

PROJECT NAME:

SAL1223

CUSTOMER:

TOWN OF SALISBURY

CONTRACTOR:

TOWN OF SALISBURY

MANUFACTURER:

SHEA CONCRETE PRODUCTS

PROJECT ADDRESS:

100 LAFAYETTE ROAD
SALISBURY, MA 01952

BUILDING DIMENSIONS:

12'-0" x 23'-0" x 9'-0" h

BUILDING USE:

RESTROOM/CONCESSION

EXTERIOR FINISH:

LIGHT BROOM

ROOF TYPE:

FLAT SLIGHT PITCH - 6" @ PEAK, 5" @ EDGES

FLOOR THICKNESS:

5"

WALL THICKNESS:

4"

CUSTOMER RELEASE

AS THE AUTHORIZED REPRESENTATIVE OF THE CUSTOMER/BUILDER I HAVE REVIEWED THIS DOCUMENT AND THE DRAWINGS CONTAINED IN IT. I UNDERSTAND THAT IT WAS CREATED FROM INFORMATION AND DIMENSIONS PROVIDED BY THE CUSTOMER/BUILDER AND THAT SHEA CONCRETE PRODUCTS WILL RELY ON THAT INFORMATION IN THE MANUFACTURE OF THE PROJECT.

I ACKNOWLEDGE THAT I HAVE COMPARED THIS DOCUMENT TO THE SALES ORDER/SPECIFICATIONS CONTRACT AND THAT THIS DOCUMENT SUPERSEDES THE SALES ORDER/SPECIFICATIONS CONTRACT WITH RESPECT TO THE OBJECTS AND DIMENSIONS CONTAINED HEREIN. I APPROVE THE PROJECT DEPICTED IN THE DOCUMENT FOR PRODUCTION, AND ACCEPT FULL RESPONSIBILITY FOR ANY AND ALL MEASUREMENTS, DIMENSIONS AND INFORMATION PROVIDED BY THE CUSTOMER/BUILDER. I HEREBY RELEASE AND DISCHARGE SHEA CONCRETE PRODUCTS FROM ANY AND ALL PAST, PRESENT OR FUTURE CLAIMS AND DAMAGES ARISING FROM OR RELATING TO THE ATTACHED DRAWINGS AND DEVIATIONS IN THE DRAWINGS FROM INFORMATION CUSTOMER/BUILDER PROVIDED.

☒ ASSEMBLY DRAWINGS

☒ FABRICATION DRAWINGS

SIGNATURE OF CUSTOMER/BUILDER

DATE

PRINT NAME

TITLE



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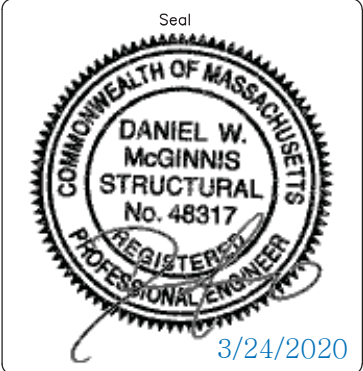
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03.20.20	REVISED A-1 PER MARKUPS	1	WCR
		2	
		3	
		4	

Project

23'-0" x 12'-0" x 9'-0" h
PARTRIDGE BROOK PARK
CONCESSION/RESTROOM
SALISBURY, MA 01952

Drawing Title

COVER SHEET

Drawn By: MAF

Scale: AS NOTED

Issue Date:

Sheet No.

3/20/2020

CRV-A



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- GENERAL NOTES:
1. SEISMIC SITE CLASS "C". EXPOSURE GROUP 1.

2. STANDARD LIVE ROOF LOAD - 60 PSF.

3. STANDARD FLOOR LIVE LOAD - 250 PSF.

4. STANDARD WIND LOADING - 130 MPH.

5. MINIMUM CONCRETE STRENGTH, 5000 PSI.

6. BUILDING CODE, MASSACHUSETTS STATE BUILDING CODE, 8TH ED.
(780 CMR) BASE UPON 2009.

ASSEMBLY DRAWINGS

SHEET INDEX

SHEET NO.	SHEET TITLE
CVR-A	COVER SHEET
A-1	FLOOR PLAN
A-2	FLOOR SLAB PLAN
A-3	ROOF SLAB PLAN
A-4	ELEVATIONS
A-5	ELEVATIONS
A-6	TYPICAL CONNECTIONS

LEGEND







ABBREVIATIONS

P.D. =PANEL DIMENSIONS

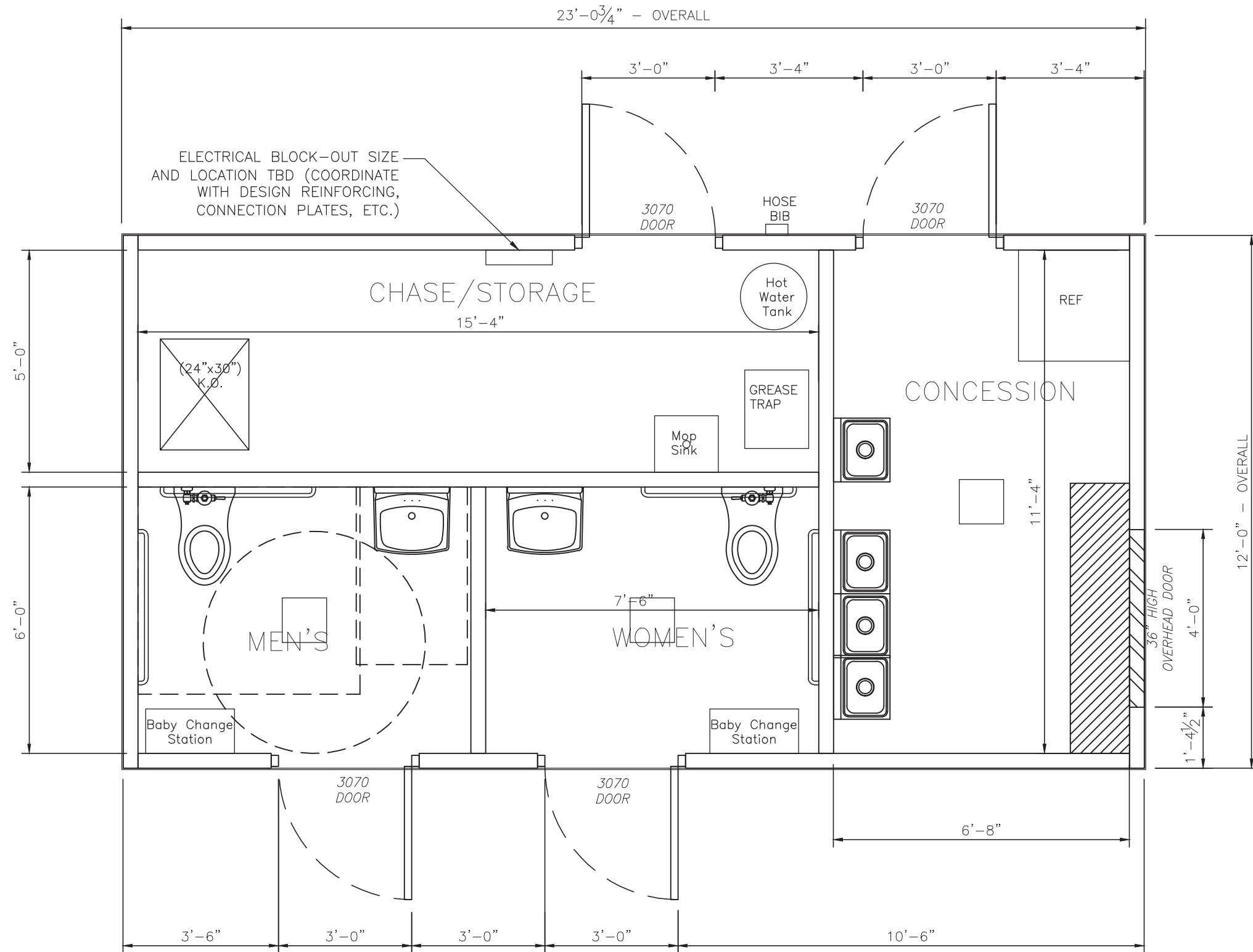
R.O. =ROUGH OPENING

M.O. =MASONRY OPENING

B.I.F. =BOTTOM IN FORM

T.I.F. =TOP IN FORM

EQ. =EQUAL



NOTES:

1. EXTERIOR CONCRETE BROOM FINISH (STAINED BY OTHERS)
2. INTERIOR SMOOTH CONCRETE FINISH (STAINED BY OTHERS).
3. ROOF - FLAT ROOF.
4. ALL ELECTRIC, PLUMBING, DOORS, PAINT/STAIN, FIXTURES SUPPLIED AND INSTALLED BY OTHERS.
5. ELECTRICAL NOT SHOWN FOR CLARITY.
6. EXTERIOR PLUMBING FIXTURES NOT SHOWN FOR CLARITY.

FLOOR PLAN

SCALE 3/8" = 1'



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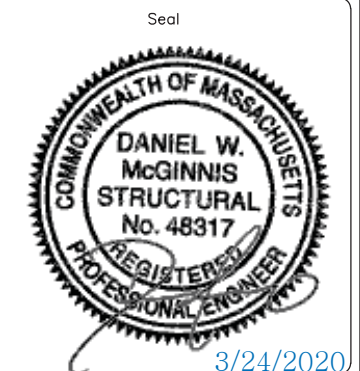
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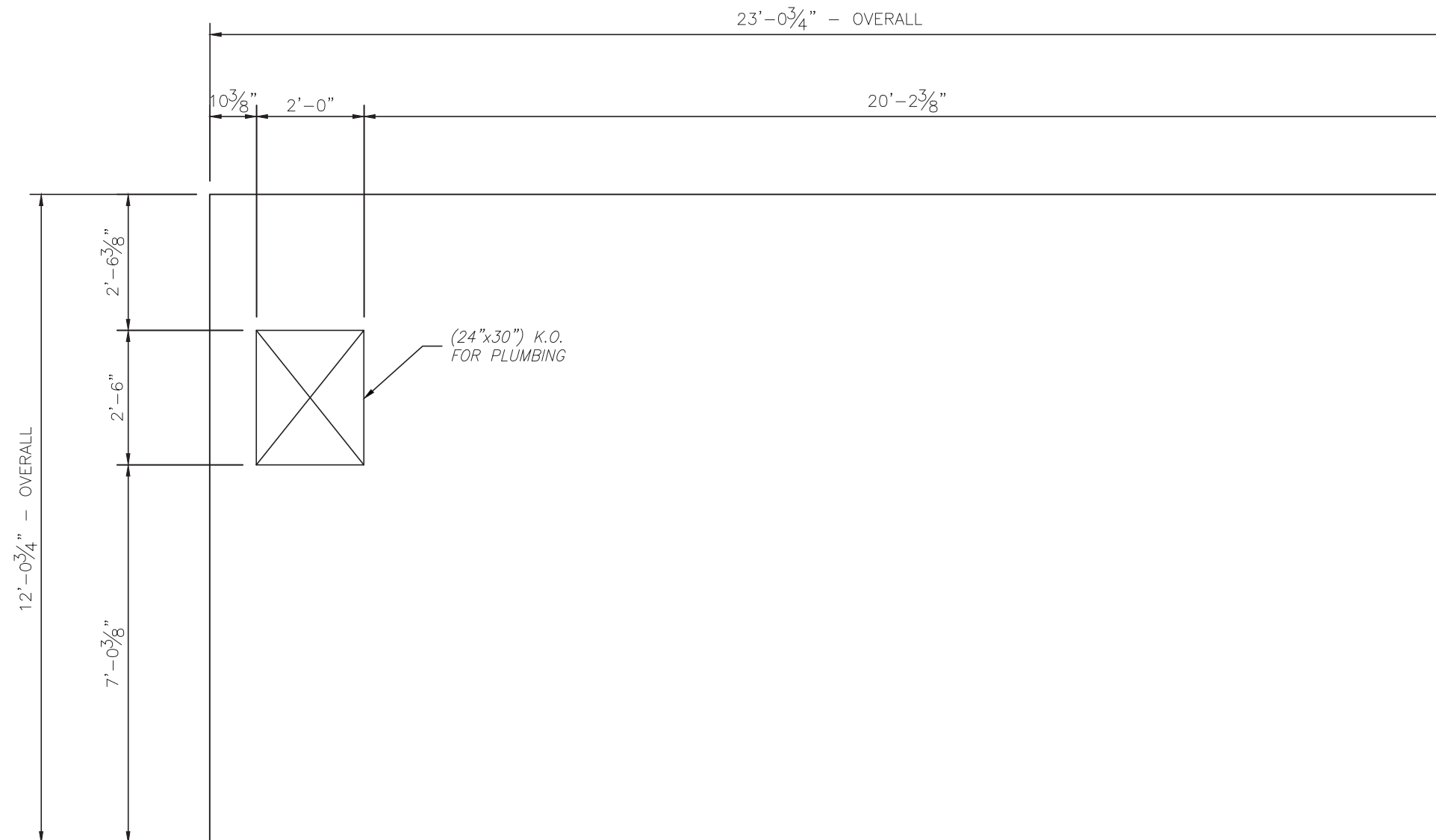
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CONCESSION/RESTROOM
SALISBURY, MA 01952

Drawing Title

FLOOR PLAN

Drawn By: MAF	Scale: AS NOTED
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FLOOR SLAB PLAN
SCALE 3/8" = 1'





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DANIEL W. MCGINNIS
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No. 48317
REGISTERED
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3/24/2020

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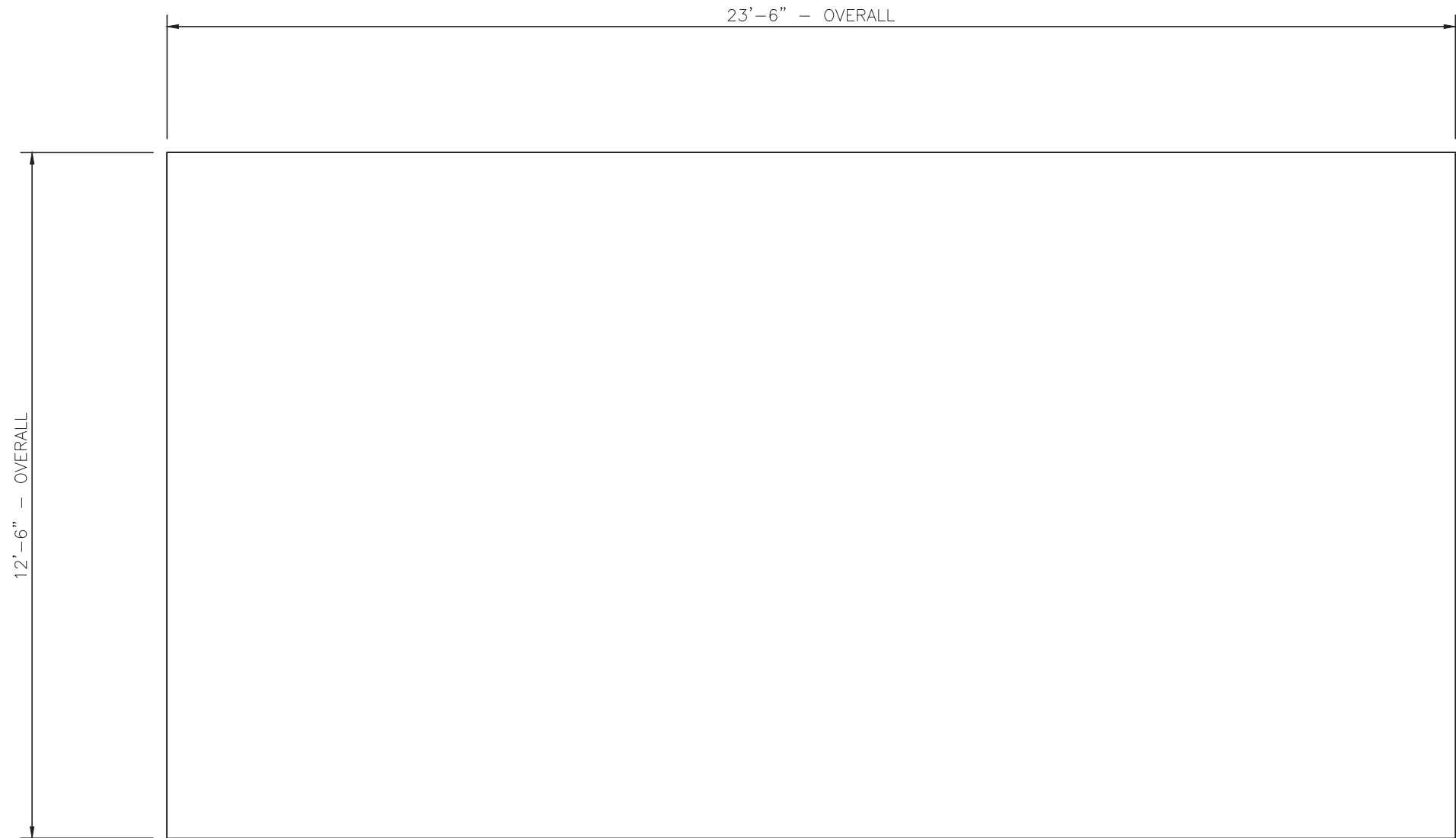
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SALISBURY, MA 01952

Drawing Title

**FLOOR SLAB
PLAN**

Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. A-2



ROOF SLAB PLAN
SCALE 3/8" = 1'





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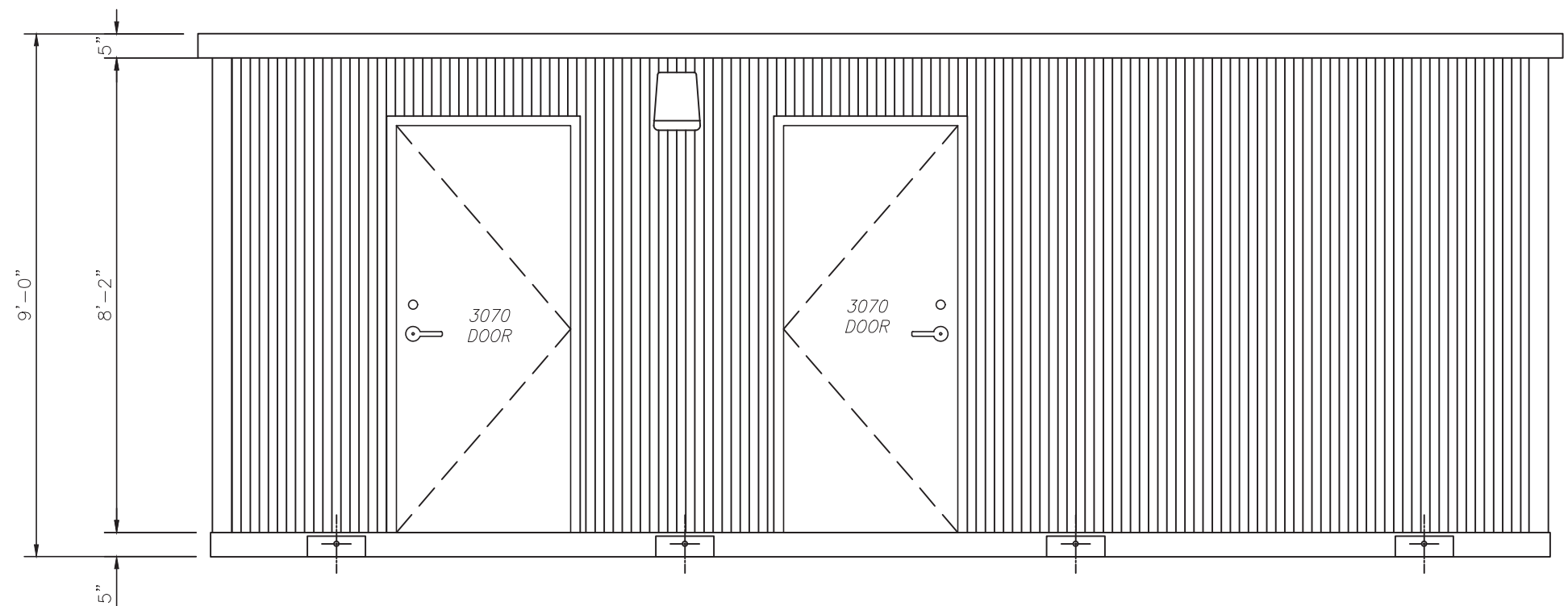
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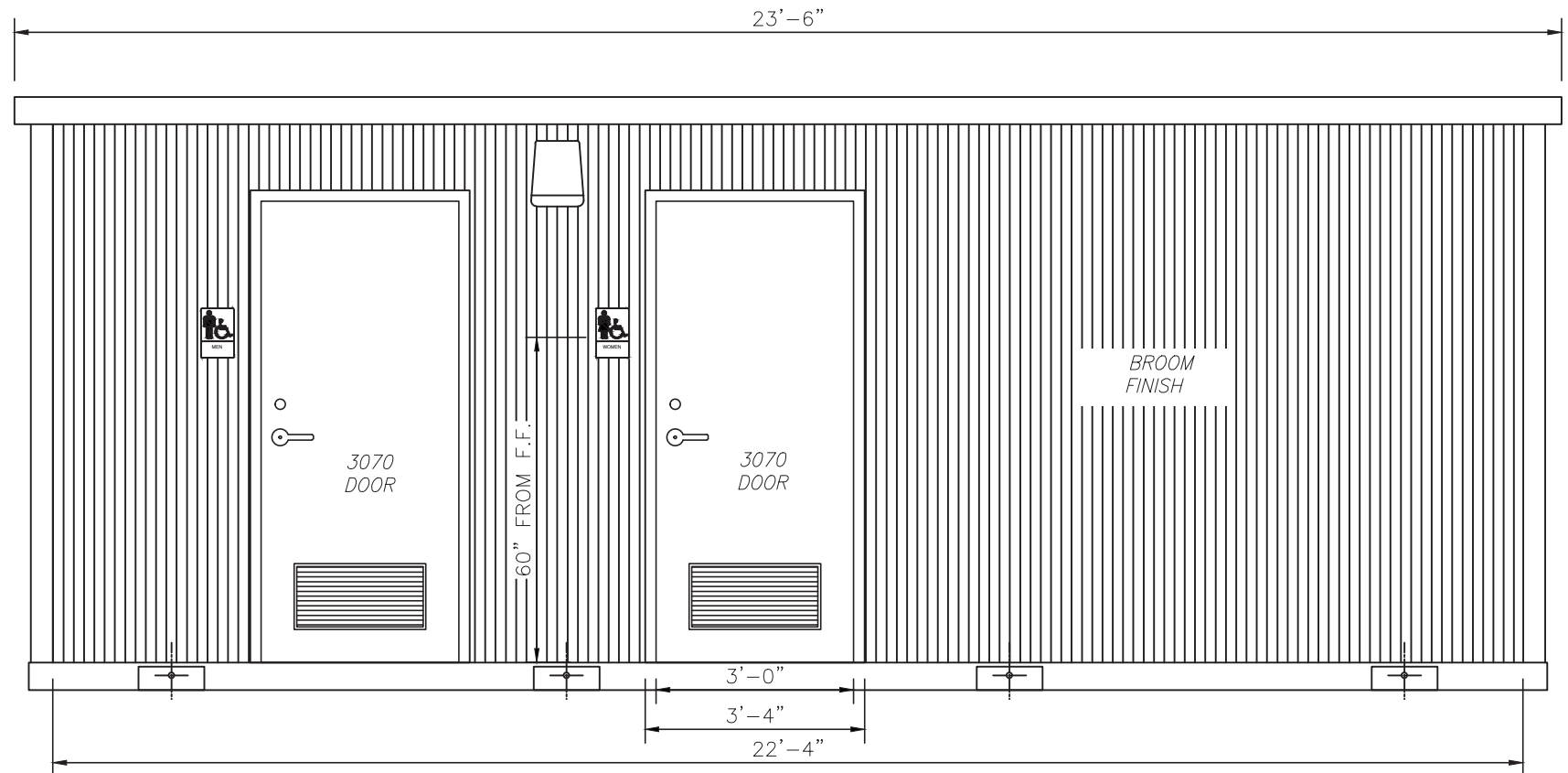
Drawing Title

**ROOF SLAB
PLAN**

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REAR ELEVATION



FRONT ELEVATION

SCALE 3/8" = 1'



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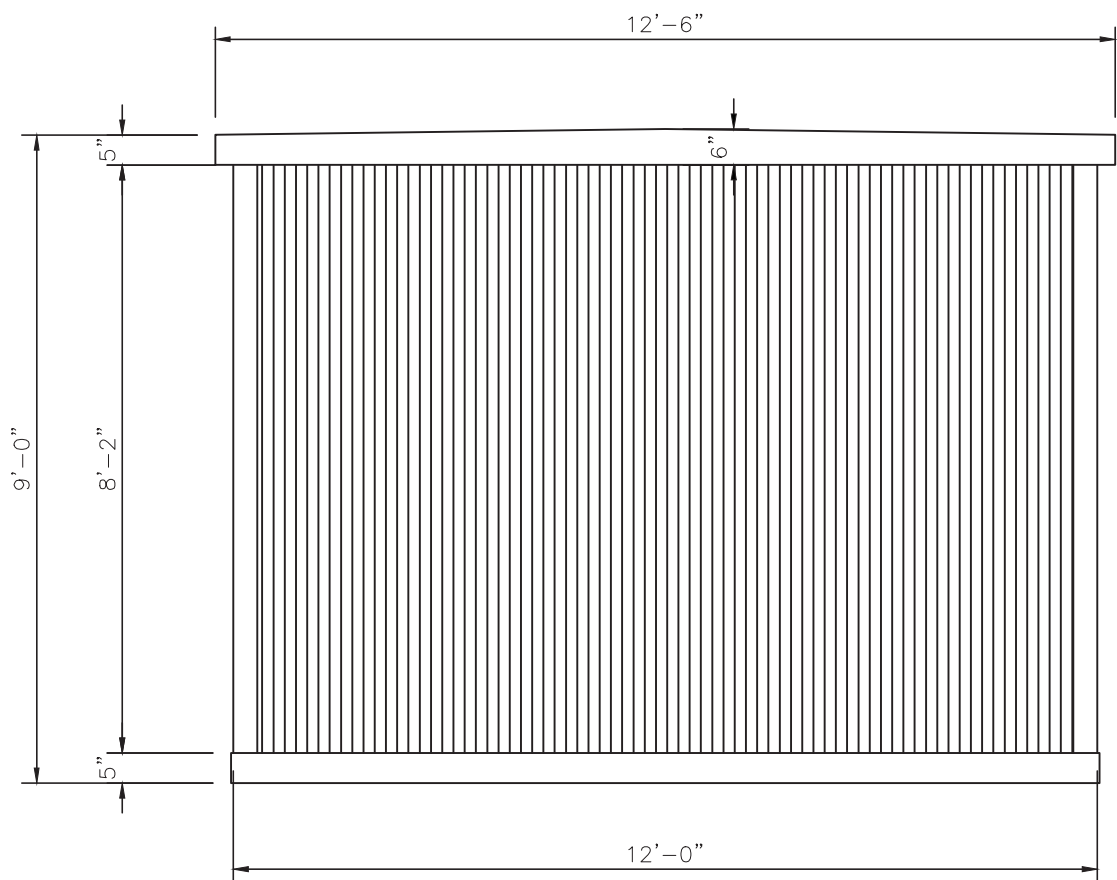
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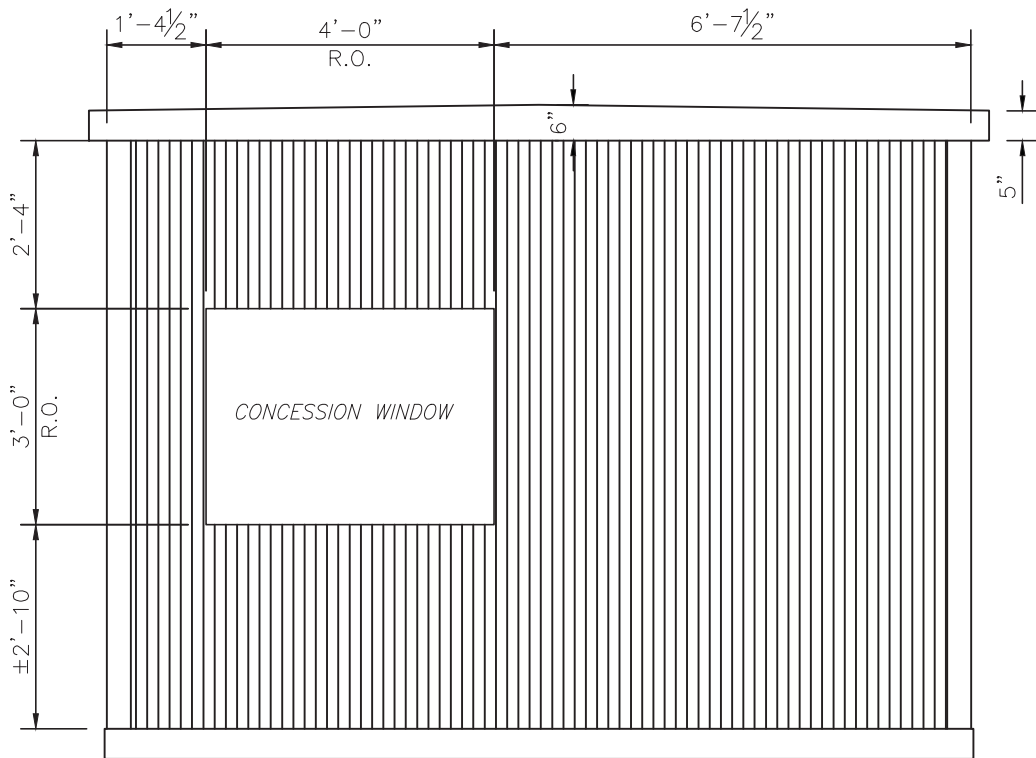
Drawing Title

ELEVATIONS

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LEFT ELEVATION



RIGHT ELEVATION

SCALE 3/8" = 1'

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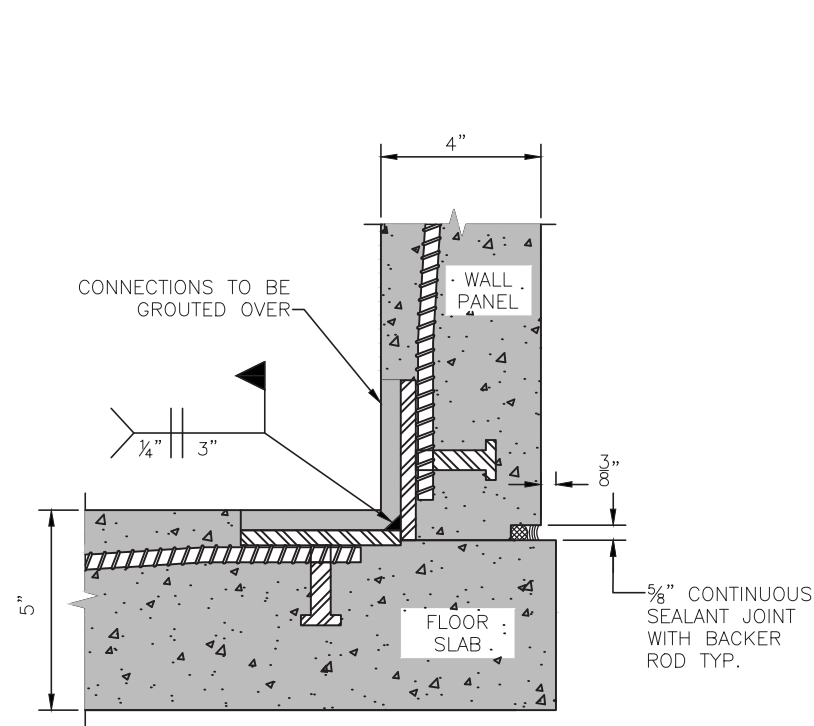
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SALISBURY, MA 01952

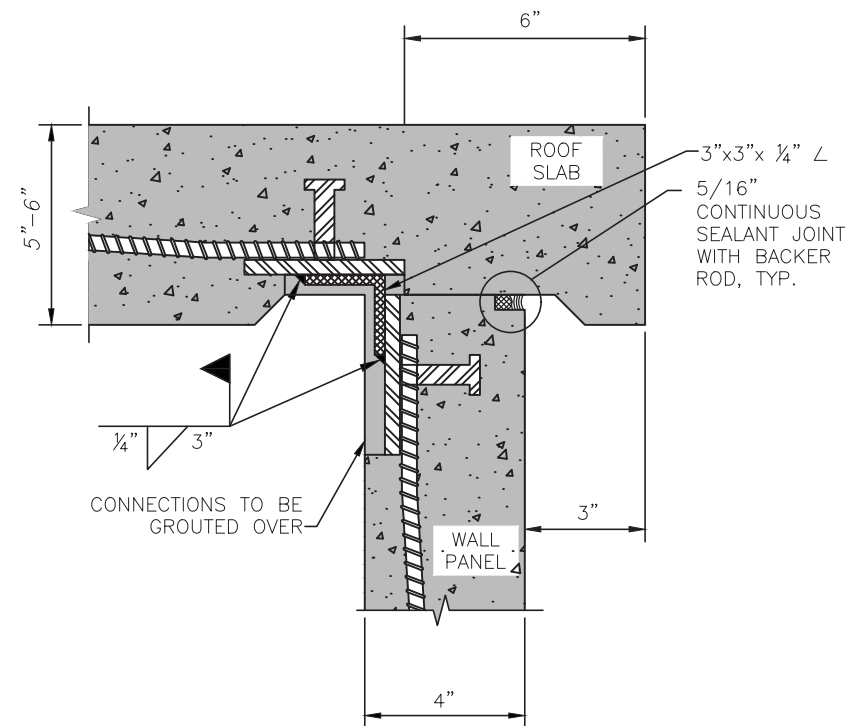
Drawing Title

ELEVATIONS

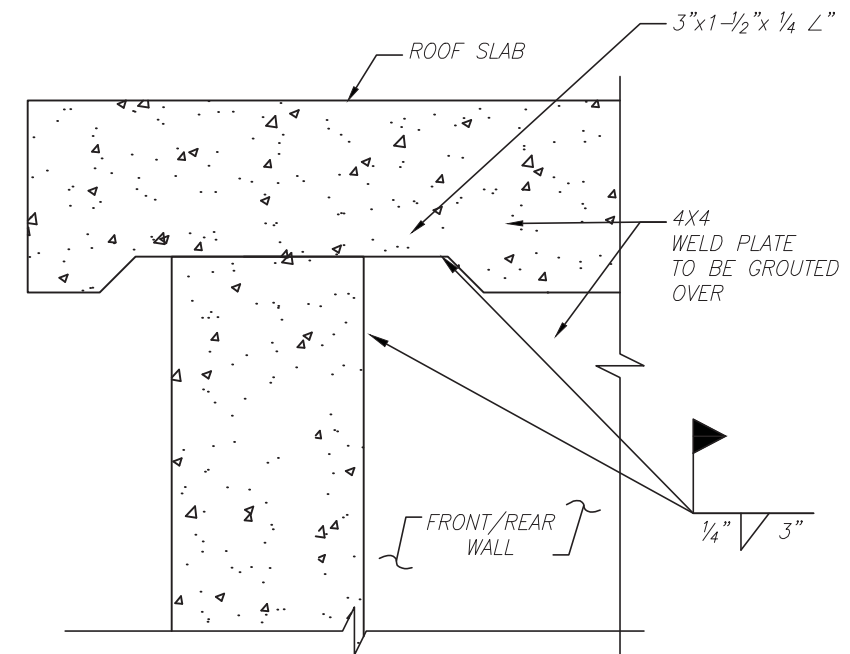
Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. A-5



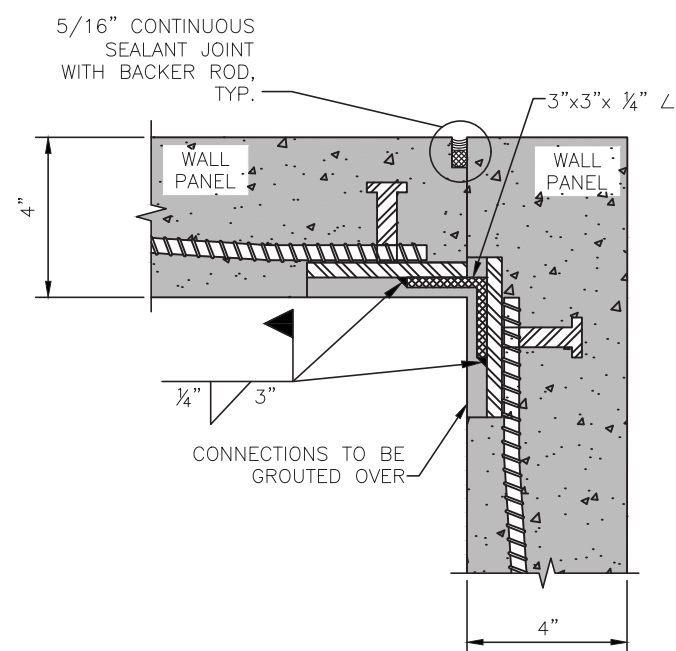
WALL TO SLAB
CONNECTION DETAIL



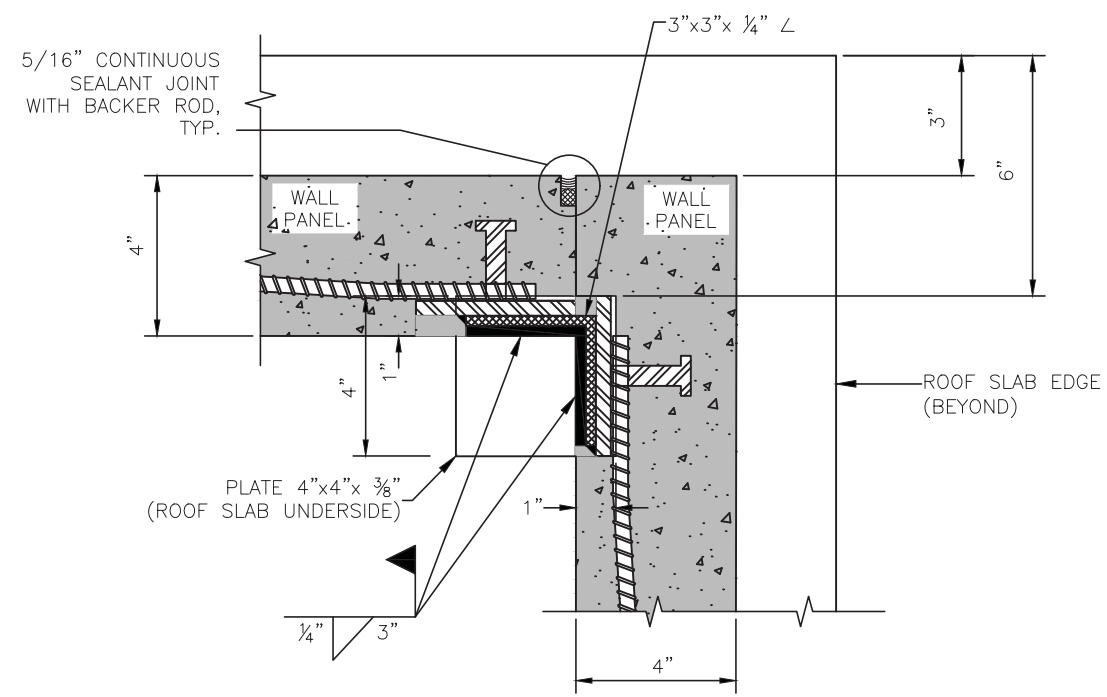
ROOF TO WALL
CONNECTION DETAIL



ROOF PICK DETAIL



WALL TO WALL
CONNECTION DETAIL



ROOF TO WALL
CONNECTION DETAIL

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DANIEL W. MCGINNIS
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3/24/2020

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Project

23'-0" x 12'-0" x 9'-0" h
PARTRIDGE BROOK PARK
CONCESSION/RESTROOM
SALISBURY, MA 01952

Drawing Title

**TYPICAL
CONNECTIONS**

Drawn By: MAF Scale: AS NOTED
Issue Date: 3/20/2020 Sheet No. **A-6**

PROJECT NAME: SAL1223

CUSTOMER: TOWN OF SALISBURY

CONTRACTOR: TOWN OF SALISBURY

MANUFACTURER: SHEA CONCRETE PRODUCTS

PROJECT ADDRESS: 100 LAFAYETTE ROAD
SALISBURY, MA 01952

BUILDING DIMENSIONS: 12'-0" x 23'-0" x 9'-0" h

BUILDING USE: RESTROOM/CONCESSION

EXTERIOR FINISH: LIGHT BROOM

ROOF TYPE: FLAT SLIGHT PITCH - 6" @ PEAK, 5" @ EDGES

FLOOR THICKNESS: 5"

WALL THICKNESS: 4"

Project: SAL1223 - TOWN OF SALISBURY RESTROOM/CONCESSION BUILDING

Date: 1/24/2020

	PANELS			OPENING			Paint SF:	Thickness:	Concrete CY:	Panel Weight:	Totals:	Notes:
	Width	Length	Height	Width	Height	Type						
RS-1	12.50	23.50					294	0.46	4.98	20,181		Roof Slab
FS-1	12.06	23.06		3.50	5.00	Drains/Chase	261	0.42	4.02	16,288		Floor Slab
											36,468	Slab Total
WP-1	12.00		8.17				98	0.33	1.21	4,902		Left Wall
WP-2	22.33		8.17	6.66	14.34	Doors	87	0.33	1.07	4,347		Front Wall
WP-3	12.00		8.17				98	0.33	1.21	4,902		Right Wall
WP-4	22.33		8.17	6.66	14.34	Doors	87	0.33	1.07	4,347		Rear Wall
WP-5	15.33		8.17				125	0.33	1.55	6,262		Interior Wall
WP6	11.33		8.17				93	0.33	1.14	4,628		Interior Wall
WP-7	5.97		8.17				49	0.33	0.60	2,438		Interior Wall
											31,825	Wall Total
											300	Doors
											68,594	Grand Total



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- GENERAL NOTES:
1. SEISMIC SITE CLASS "D". EXPOSURE GROUP 1.
2. STANDARD LIVE ROOF LOAD - 60 PSF.
3. STANDARD FLOOR LIVE LOAD - 250 PSF.
4. STANDARD WIND LOADING - 130 MPH.
5. MINIMUM CONCRETE STRENGTH, 5000 PSI.
6. 780 CMR: MASSACHUSETTS STATE BUILDING CODE. 8TH EDITION (INTERNATIONAL BUILDING CODE, 2009)

FABRICATION DRAWINGS

SHEET INDEX

SHEET NO.	SHEET TITLE
CVR-F	COVER SHEET
FS-1	FLOOR SLAB DETAIL
FS-1A	FLOOR SLAB K.O. DETAIL
FS-1 (R)	FLOOR SLAB REINFORCING
WP-1	LEFT WALL PANEL DETAIL
WP-1 (R)	LEFT WALL PANEL REINFORCING
WP-2	FRONT WALL PANEL DETAIL
WP-2 (R)	FRONT WALL PANEL REINFORCING
WP-3	RIGHT WALL PANEL DETAIL
WP-3 (R)	RIGHT WALL PANEL REINFORCING
WP-4	REAR WALL PANEL DETAIL
WP-4 (R)	REAR WALL PANEL REINFORCING
WP-5	INTERIOR WALL PANEL DETAIL
WP-5 (R)	INTERIOR WALL PANEL REINFORCING
WP-6	INTERIOR WALL PANEL DETAIL
WP-6 (R)	INTERIOR WALL PANEL REINFORCING
WP-7	INTERIOR WALL PANEL DETAIL
WP-7 (R)	INTERIOR WALL PANEL REINFORCING
RS-1	ROOF SLAB DETAIL
RS-1 (R)	ROOF SLAB REINFORCING
D-1	WELDED CONNECTIONS DETAILS
D-2	TYPICAL FLOOR EDGE REINFORCING
D-3	TYPICAL ROOF EDGE REINFORCING
D-4	TYPICAL LIFTING AND & WELDING INSERT
D-5	SILKAFLEX PRODUCT DATA
D-6	QUIKLIFT PRODUCT DATA
D-7	PT PRODUCT DATA & JACK CALIBRATION
D-8	POST TENSION INSTRUCTIONS



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Project

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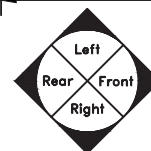
Drawing Title

COVER SHEET

Drawn By: MAF	Scale: AS NOTED
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SCALE $3/8" = 1'$



NOTE:
1. SLAB SHOWN IN FORM VIEW
(THE SLAB IS DEPICTED UPSIDE
DOWN FOR PRODUCTION PURPOSES)



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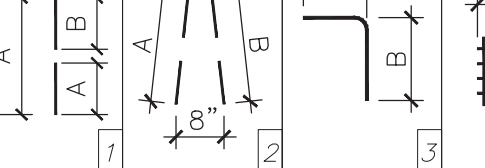
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Drawing Title

**FLOOR SLAB
DETAIL**

Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. FS-1



					
REINFORCING SCHEDULE					
MARK #	DESCRIPTION	SHAPE	DIM "A"	DIM "B"	QTY
4A	#4x 91'-3"	1	22'-9 3/4"	—	4
4B	#4x 47'-3"	1	11'-9 3/4"	—	4
4C	#4x 48'-0"	1	1'-6"	—	32
M1	WWF W4xW4	4	22'-9 3/4"	11'-9 3/4"	1
QL	4-TON QUIKLIFT ANCHORS				4
PT1	½" 270 KSI STRESS RELIEVED STRAND LENGTH: 81'-10 1/8"				1
PT2	PT WEDGE & ANCHORS				2

NOTE:
REINFORCEMENT TO HAVE
1½" CLEAR COVER FROM ALL
EDGES AND IN CENTER
OF SLAB

NOTE 1:
TRIM PLASTIC SHEATH @
BOTH ENDS OF PT CABLE TO
FIT TIGHT BETWEEN U-5
ANCHOR PLATES.

NOTE 2:
HOLD OUTSIDE PT CABLE 8"
FROM EDGE OF PANEL

NOTE 3:
REINFORCEMENT SEQUENCE

- 1) PLACE CHAIRS UNDER MESH
- 2) PLACE MESH & INSTALL MK300
- 3) INSTALL PT CABLE — HOLD CABLE @ VERTICAL CENTER OF PANEL
- 4) PLACE MK400, MK041109, MK041909 & MK031909
- 5) PLACE MK41109 OVER OTHER BARS, PT CABLE & MK300



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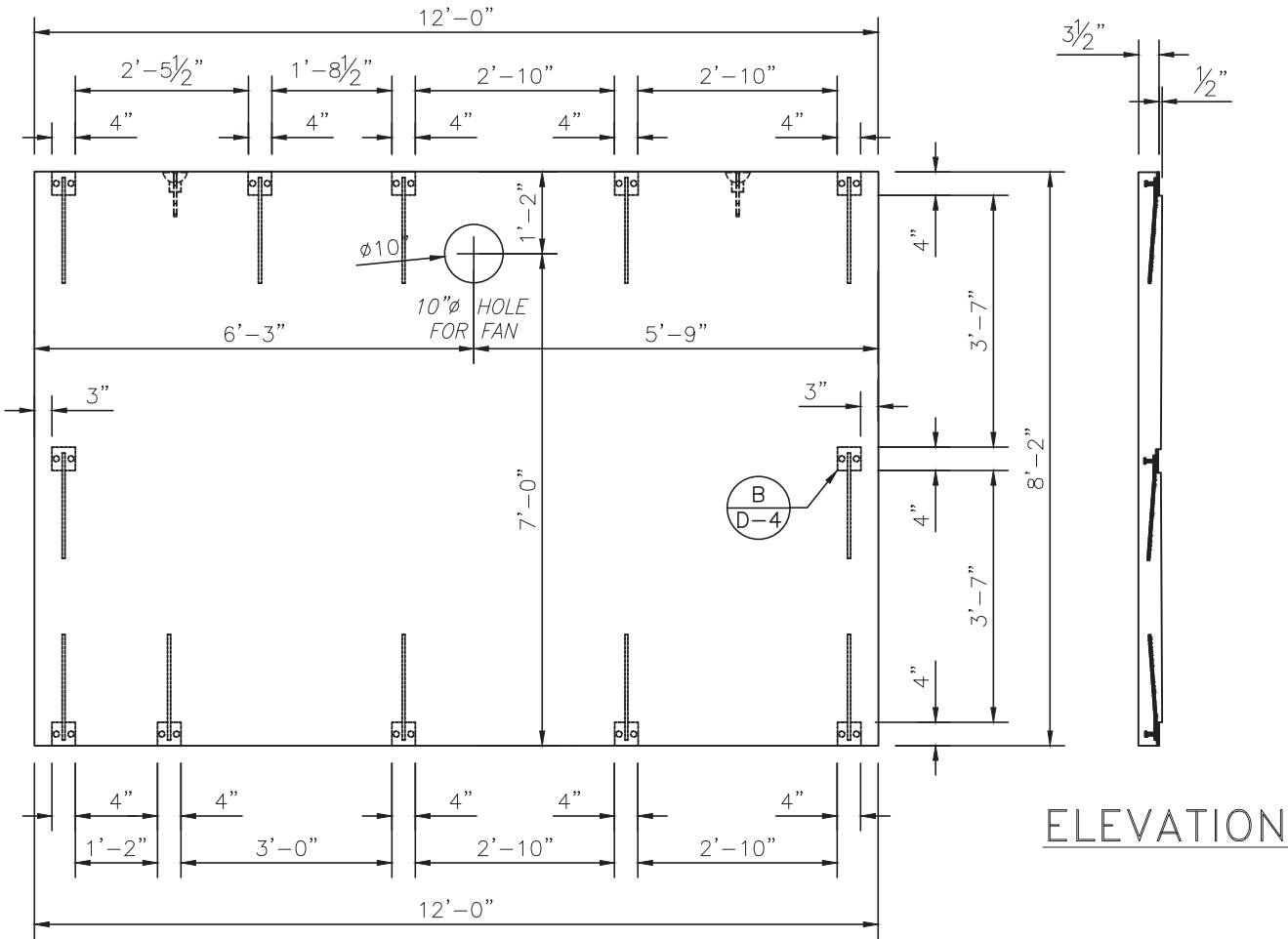
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**FLOOR SLAB
REINFORCING**

Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. FS-1 (R)

- NOTE:
1. PANEL FINISH TO BE BROOM FINISH
 2. WELDING PLATES TO BE B.I.F.
 3. PANEL DEPTH TO BE (4")



LEFT WALL PANEL DETAIL
SCALE 3/8" = 1'

ELEVATION

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COMMONWEALTH OF MASSACHUSETTS
DANIEL W. MCGINNIS
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No. 48317
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Date	Description	Rev.	By.
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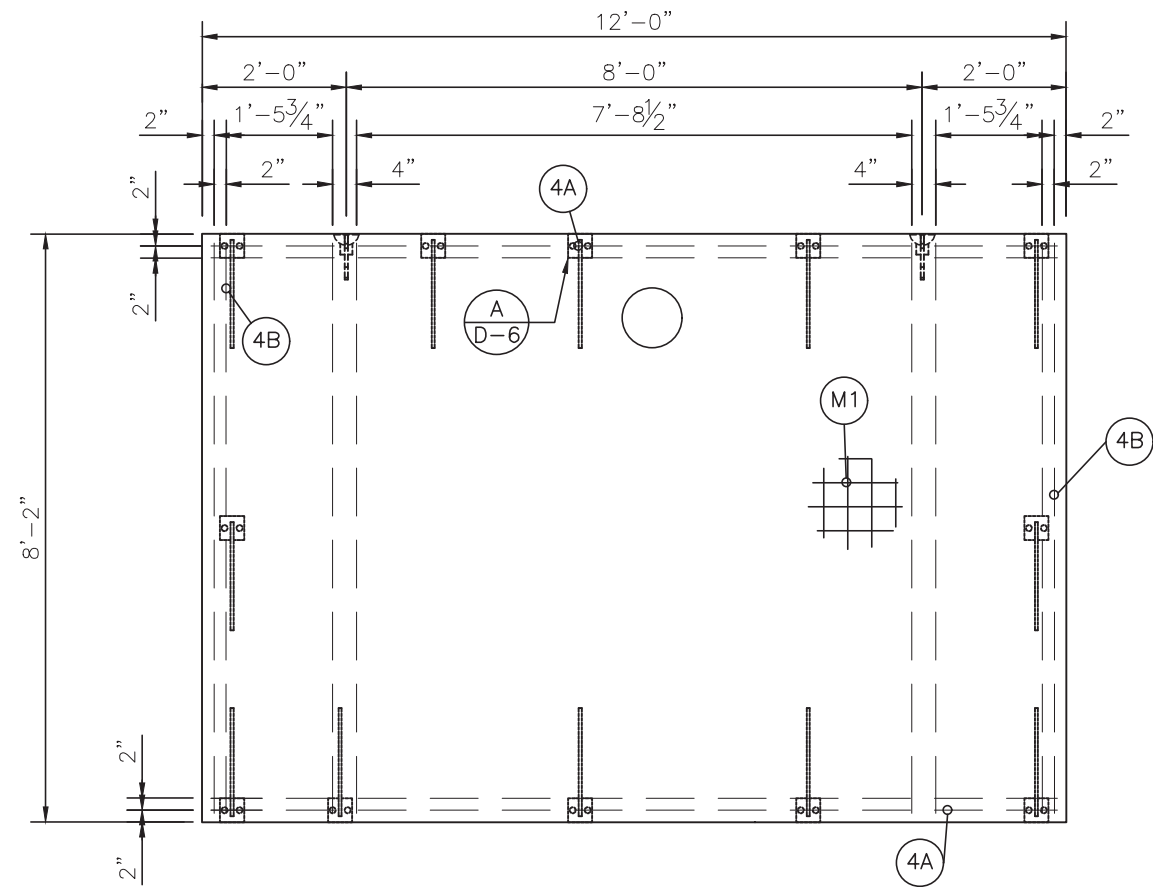
Project

23'-0" x 12'-0" x 9'-0" h
PARTRIDGE BROOK PARK
CONCESSION/RESTROOM
SALISBURY, MA 01952

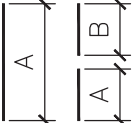
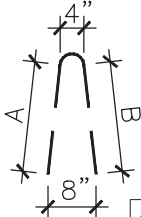
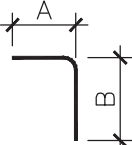
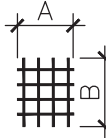
Drawing Title

**LEFT WALL
PANEL DETAIL**

Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. WP-1



LEFT WALL PANEL REINFORCING
SCALE 3/8" = 1'

					
1	2	3	4		
REINFORCING SCHEDULE					
MARK #	DESCRIPTION	SHAPE	DIM "A"	DIM "B"	QTY.
4A	#4x 47'-0"	1	11'-9"	—	4
4B	#4x 63'-4"	1	7'-11"	—	8
M1	WWF W4xW4	4	11'-9"	7'-11"	1

NOTE:
1. REINFORCEMENT TO HAVE
1 1/2" CLEAR COVER FROM ALL
EDGES AND IN CENTER
OF SLAB

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Date	Description	Rev.	By.
03.20.20	REVISED A-1 PER MARKUPS	1	WCR
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Project

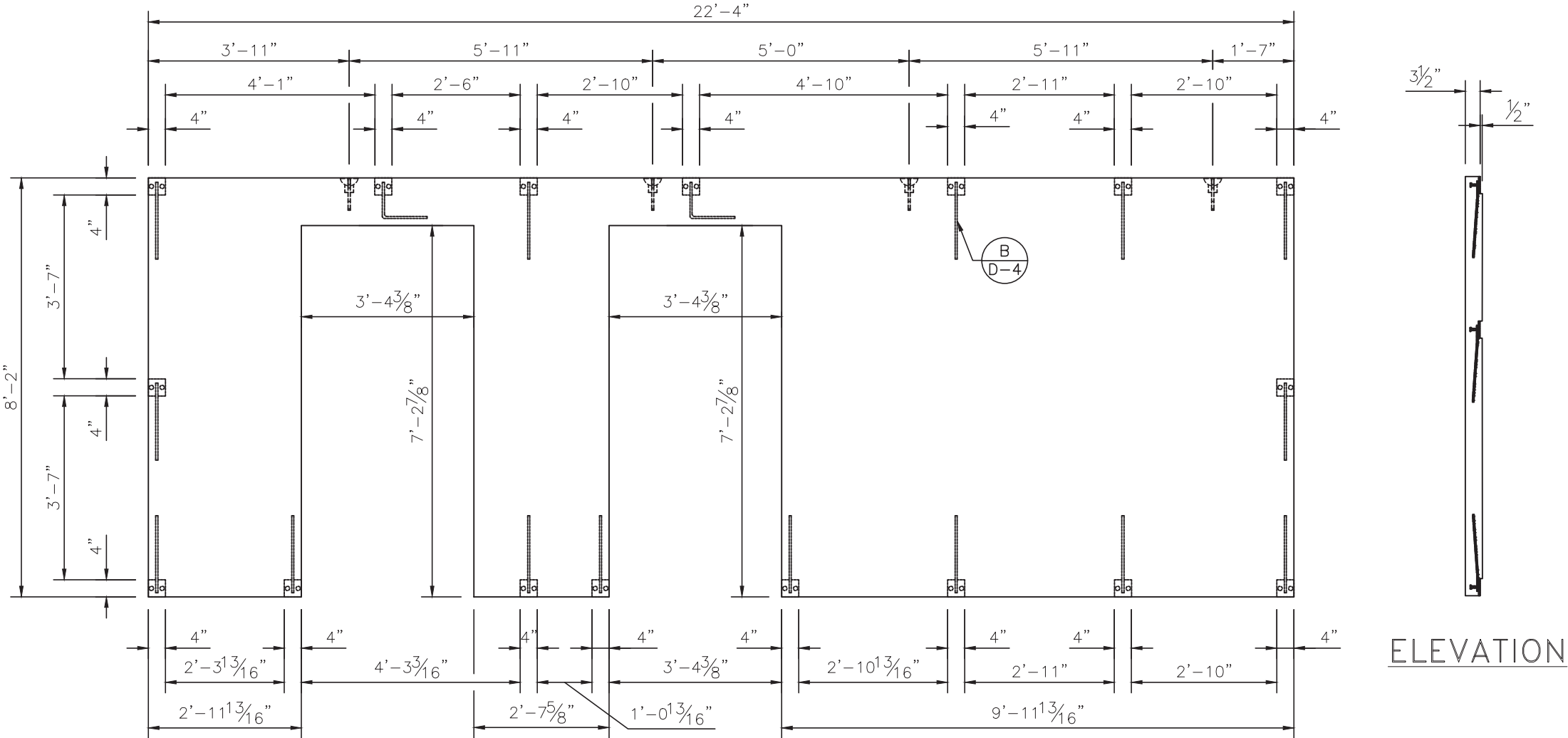
23'-0" x 12'-0" x 9'-0" h
PARTRIDGE BROOK PARK
CONCESSION/RESTROOM
SALISBURY, MA 01952

Drawing Title

LEFT WALL PANEL
REINFORCING

Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. WP-1 (R)

NOTE:
1. PANEL FINISH TO BE BRICK FINISH
2. WELDING PLATES TO BE T.I.F.
3. PANEL DEPTH TO BE (4")



FRONT WALL PANEL DETAIL
SCALE 3/8" = 1'

ELEVATION



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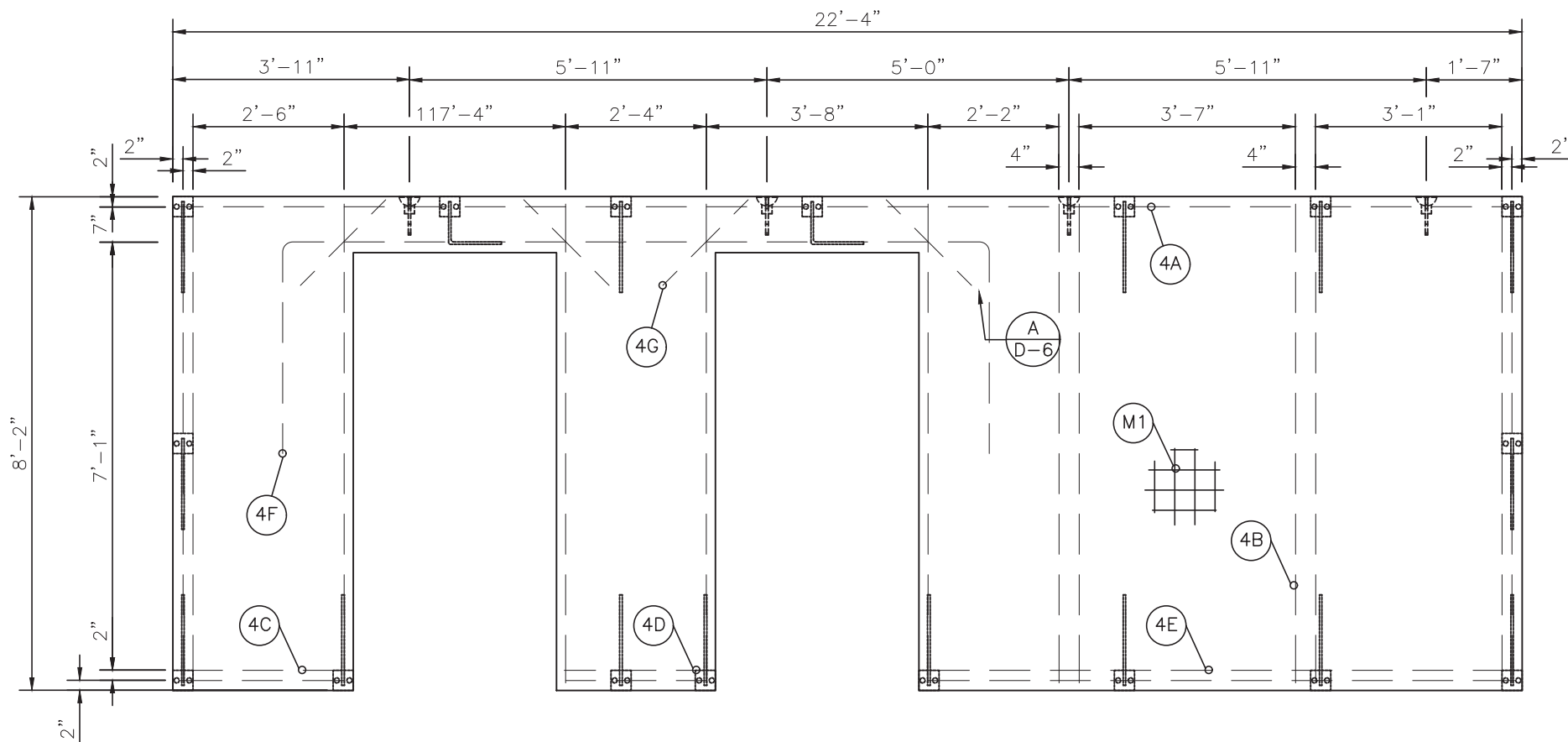
Project

23'-0" x 12'-0" x 9'-0" h
PARTRIDGE BROOK PARK
CONCESSION/RESTROOM
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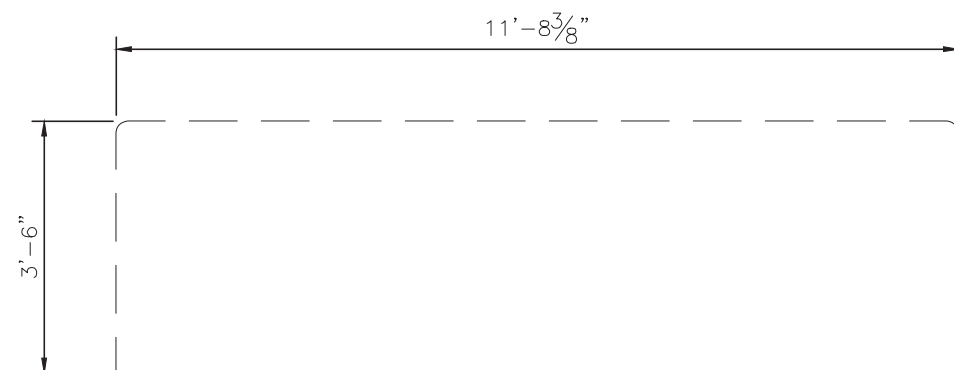
Drawing Title

**FRONT WALL
PANEL DETAIL**

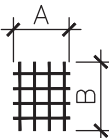
Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. WP-2



FRONT WALL PANEL REINFORCING
SCALE 3/8" = 1'



4F DETAIL

			
1	2	3	

REINFORCING SCHEDULE					
MARK #	DESCRIPTION	SHAPE	DIM "A"	DIM "B"	QTY.
4A	#4x 22'-1"	1	22'-1"	—	1
4B	#4x 95'-0"	1	7'-11"	—	12
4C	#4x 5'-5 1/2"	1	2'-8 3/4"	—	2
4D	#4x 4'-9"	1	2'-4 1/2"	—	2
4F	#4x 19'-5"	1	9'-8 1/2"	—	2
4F	#4x 18'-6 5/8"	3	SEE DETAIL	—	1
4G	#4x 8'-0"	1	2'-0"	—	4
M1	WWF W4xW4	4	22'-1"	7'-11"	1

NOTE:
1. REINFORCEMENT TO HAVE 1 1/2" CLEAR COVER FROM ALL EDGES AND IN CENTER OF SLAB

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Project

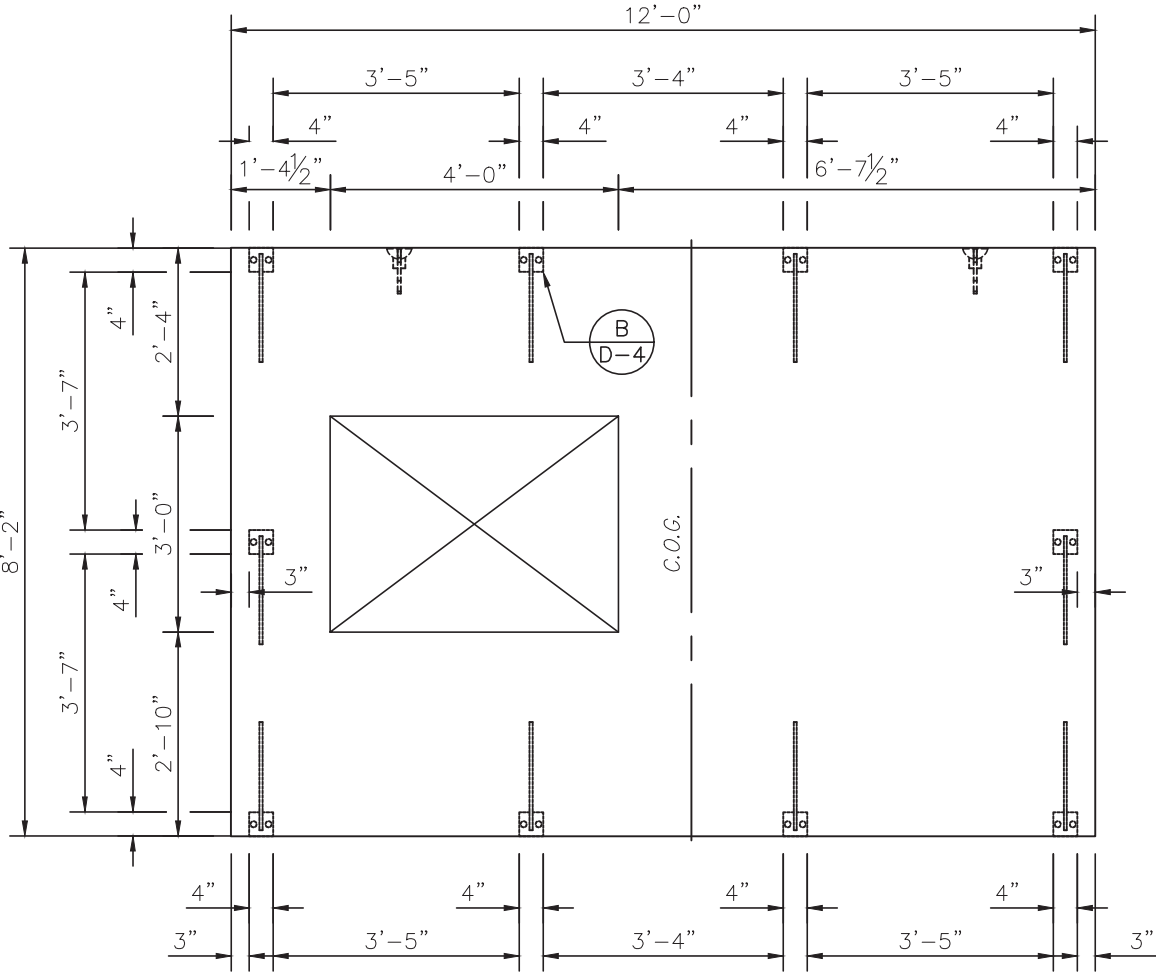
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PARTRIDGE BROOK PARK
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SALISBURY, MA 01952

Drawing Title

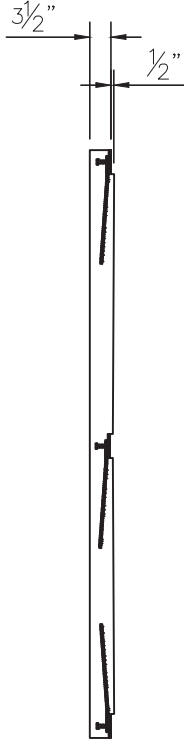
FRONT WALL PANEL
REINFORCING

Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. WP-2 (R)

NOTE:
1. PANEL FINISH TO BE BRICK FINISH
2. WELDING PLATES TO BE T.I.F.
3. PANEL DEPTH TO BE (4")



RIGHT WALL PANEL DETAIL
SCALE 3/8" = 1'



ELEVATION

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DANIEL W. MCGINNIS
STRUCTURAL
No. 48317
REGISTERED
PROFESSIONAL ENGINEER
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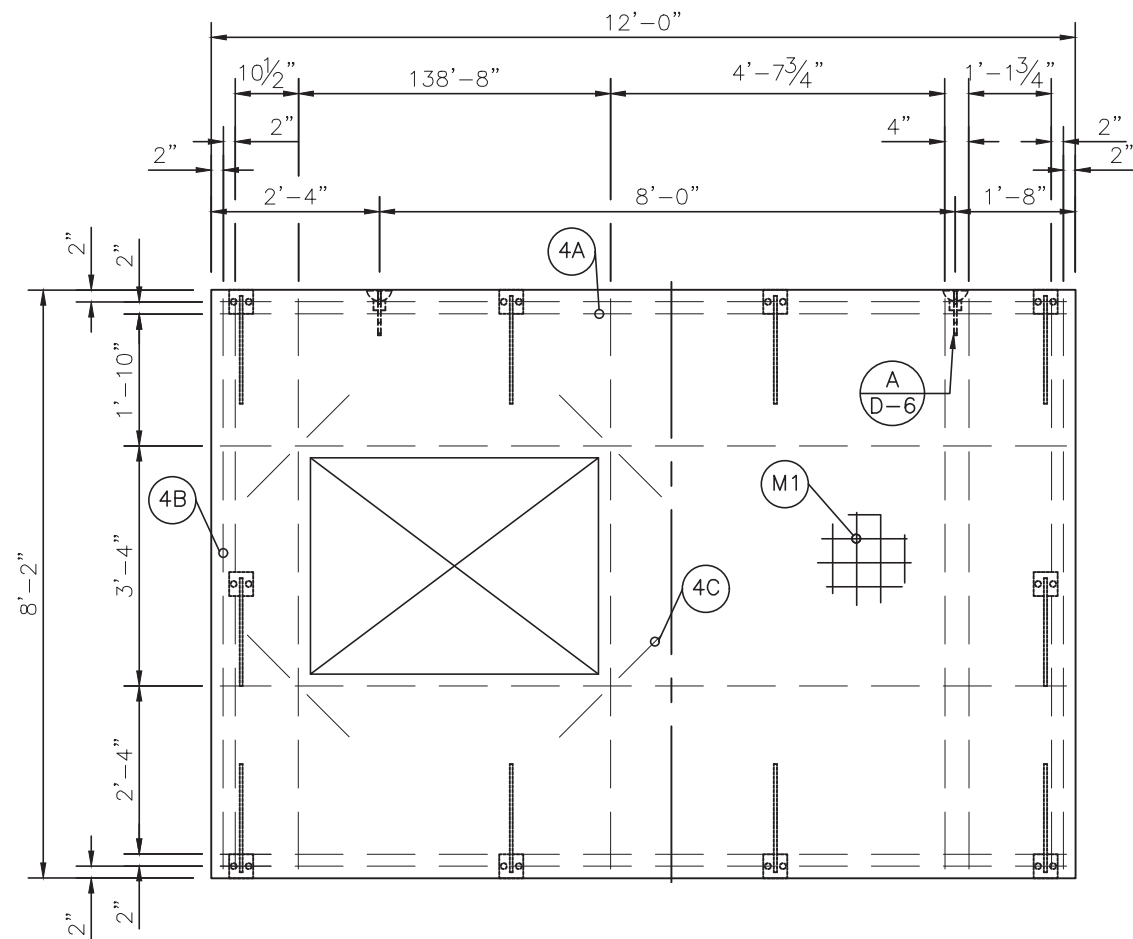
Project

23'-0" x 12'-0" x 9'-0" h
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CONCESSION/RESTROOM
SALISBURY, MA 01952

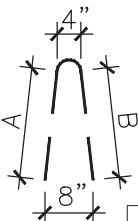
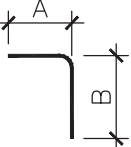
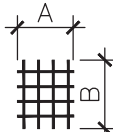
Drawing Title

**RIGHT WALL
PANEL DETAIL**

Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. WP-3



RIGHT WALL PANEL REINFORCING
SCALE 3/8" = 1'

					
1	2	3	4		
REINFORCING SCHEDULE					
MARK #	DESCRIPTION	SHAPE	DIM "A"	DIM "B"	QTY.
4A	#4x 70'-6"	1	11'-9"	—	6
4B	#4x 63'-4"	1	7'-11"	—	8
4C	#4x 8'-0"	1	2'-0"	—	4
M1	WWF W4xW4	4	11'-9"	7'-11"	1

NOTE:
1. REINFORCEMENT TO HAVE
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Project

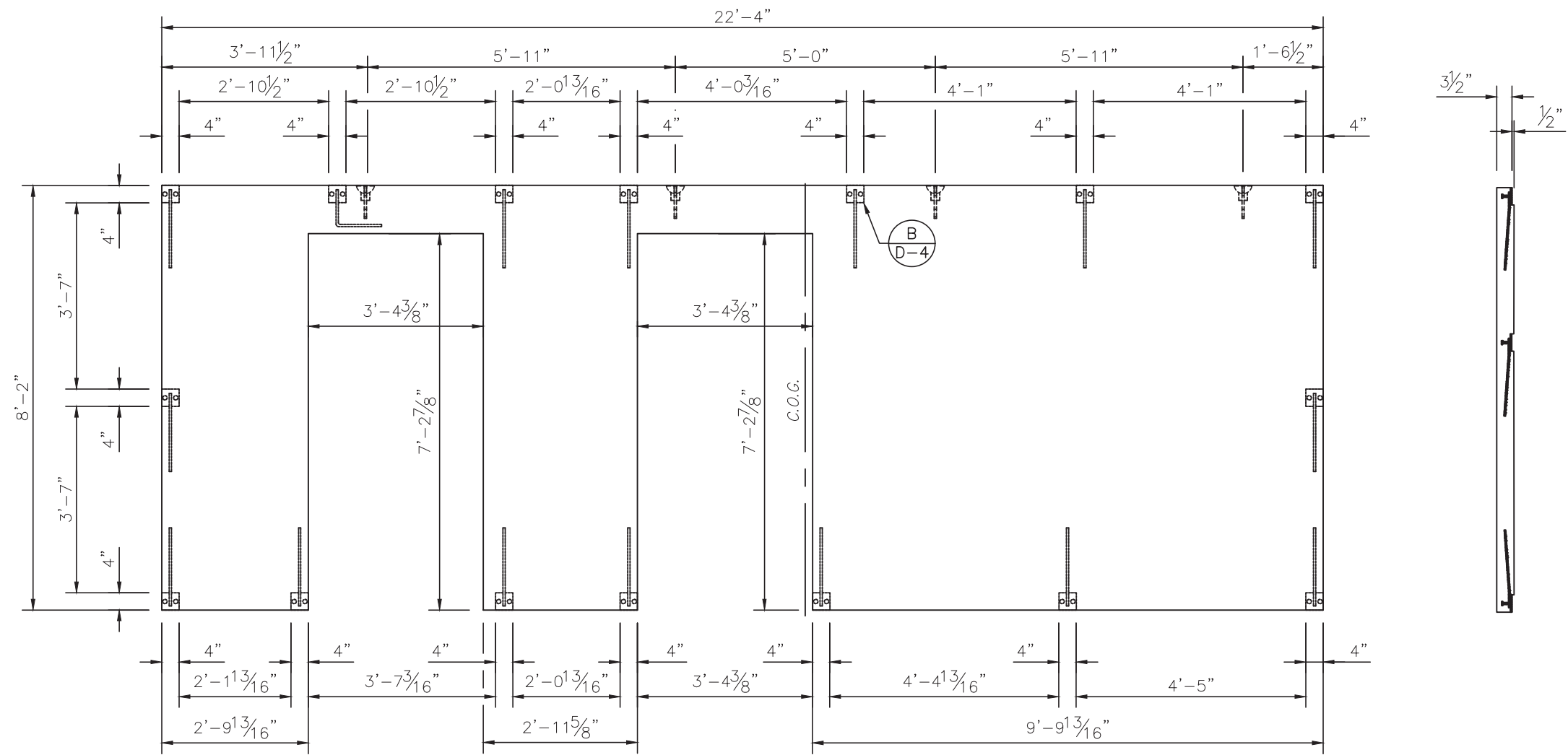
23'-0" x 12'-0" x 9'-0" h
PARTRIDGE BROOK PARK
CONCESSION/RESTROOM
SALISBURY, MA 01952

Drawing Title

RIGHT WALL PANEL REINFORCING

Drawn By: MAF Scale: AS NOTED

Issue Date: 3/20/2020 Sheet No. WP-3 (R)



BACK WALL PANEL DETAIL
SCALE 3/8" = 1'-0"

ELEVATION

NOTE:
1. PANEL FINISH TO BE BROOM FINISH
2. WELDING PLATES TO BE B.I.F.
3. PANEL DEPTH TO BE (4")



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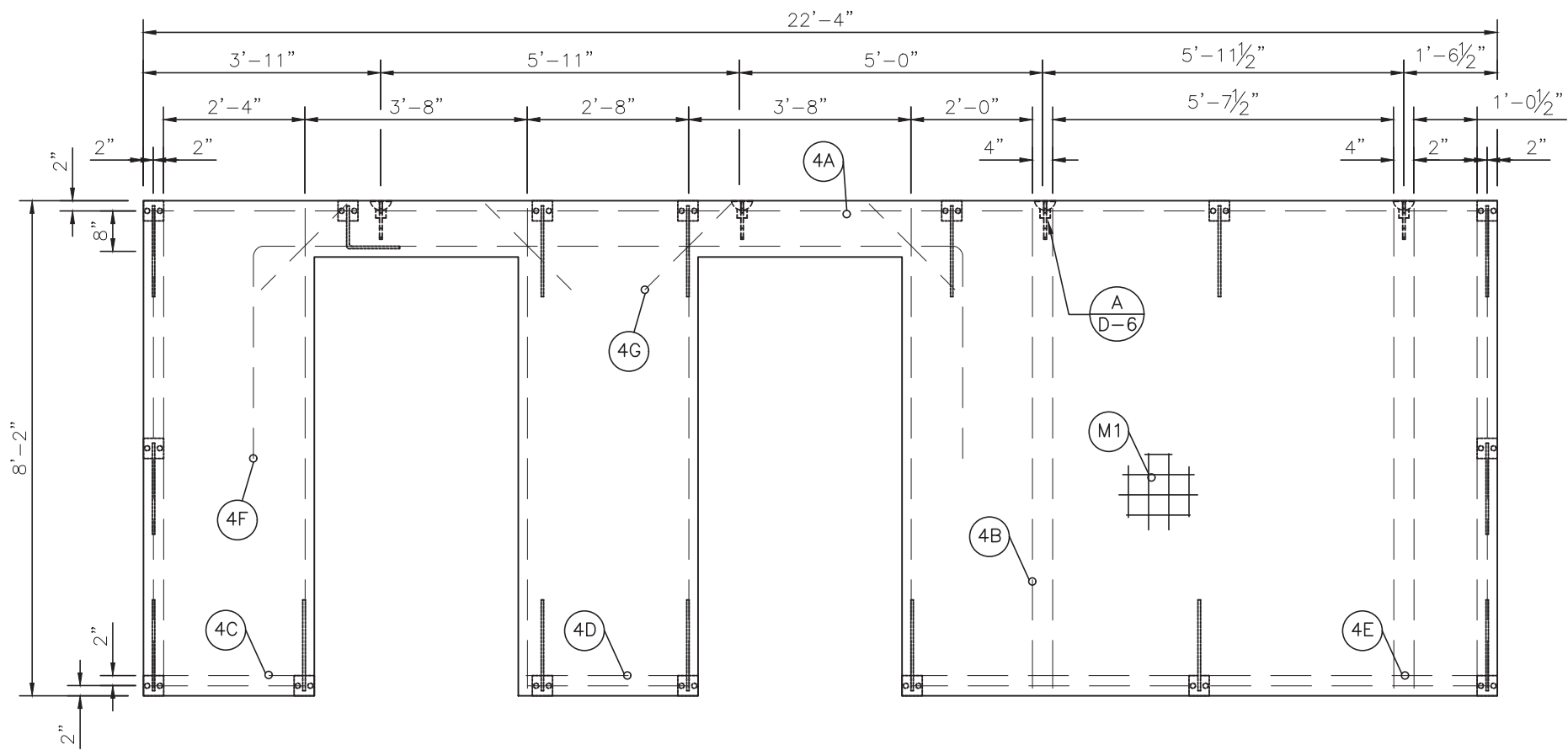
Project

23'-0" x 12'-0" x 9'-0" h
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SALISBURY, MA 01952

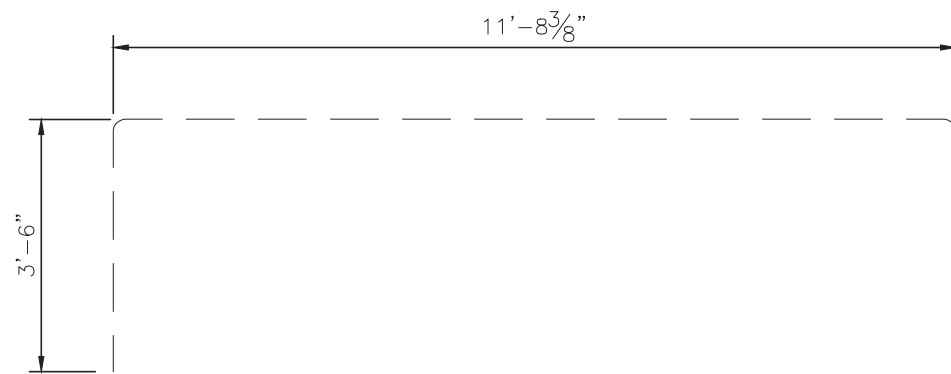
Drawing Title

**BACK WALL
PANEL DETAIL**

Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. WP-4



BACK WALL PANEL REINFORCING
SCALE 3/8" = 1'-0"



4F DETAIL

A B A 1 2 3 4					
REINFORCING SCHEDULE					
MARK #	DESCRIPTION	SHAPE	DIM "A"	DIM "B"	QTY.
4A	#4x 22'-1"	1	22'-1"	—	1
4B	#4x 95'-0"	1	7'-11"	—	12
4C	#4x 5'-1 1/2"	1	2'-6 3/4"	—	2
4D	#4x 5'-5"	1	2'-8 1/2"	—	2
4E	#4x 19'-1 1/2"	1	9'-6 3/4"	—	2
4F	#4x 18'-6 5/8"	3	SEE DETAIL	—	1
4G	#4x 8'-0"	1	2'-0"	—	4
M1	WWF W4xW4	4	7'-11"	22'-1"	1

NOTE:
1. REINFORCEMENT TO HAVE 1/2" CLEAR COVER FROM ALL EDGES AND IN CENTER OF SLAB



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Project
23'-0" x 12'-0" x 9'-0" h
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Drawing Title

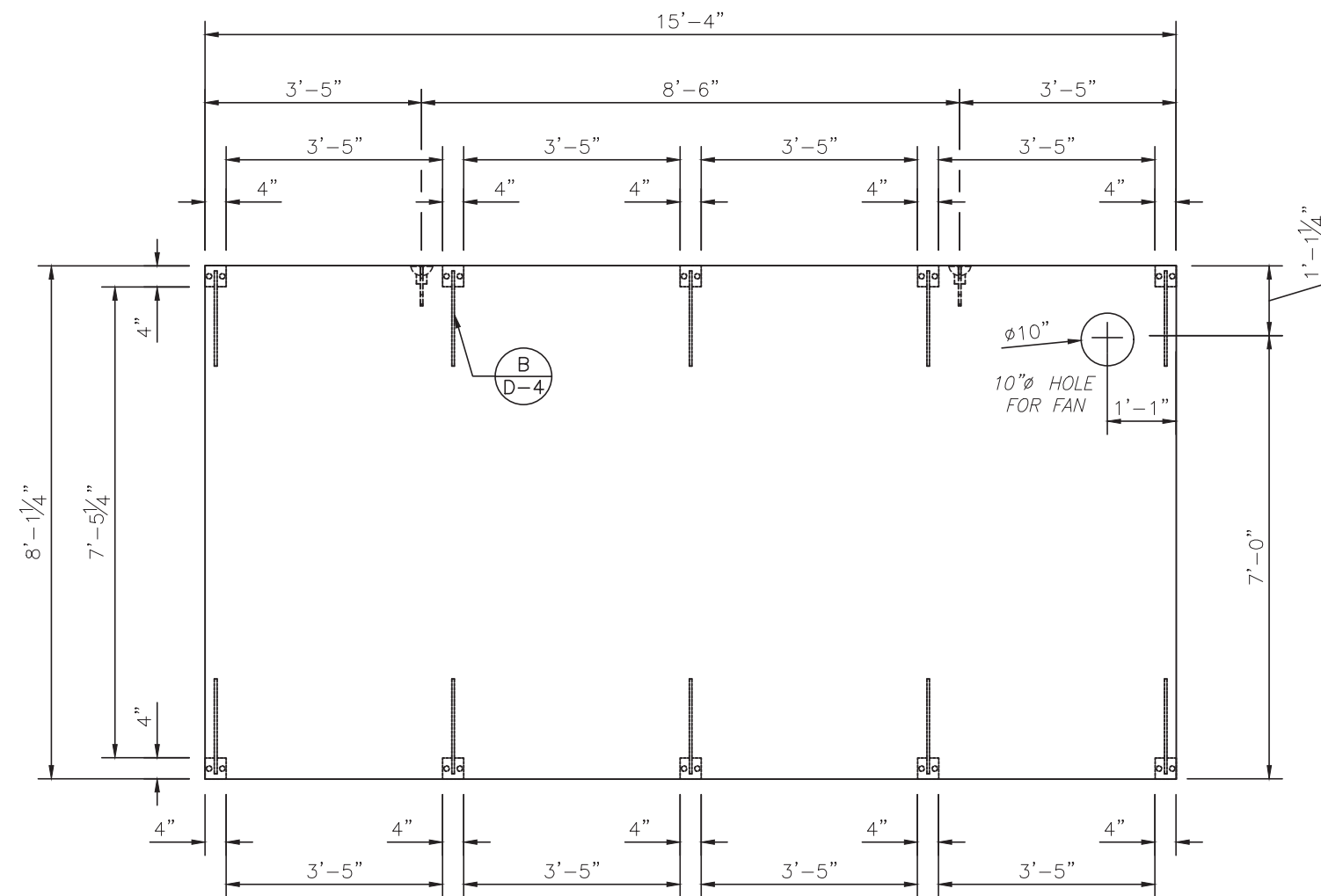
BACK WALL PANEL REINFORCING

Drawn By: MAF

Issue Date: 3/20/2020

Scale: AS NOTED

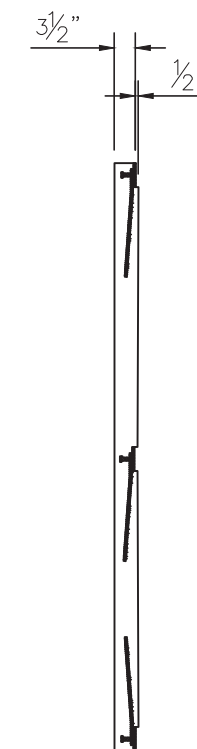
Sheet No. WP-4 (R)



INTERIOR WALL PANEL DETAIL

SCALE 3/8" = 1'

- NOTE:
1. PANEL FINISH TO BE BROOM FINISH
 2. WELDING PLATES TO BE B.I.F.
 3. PANEL DEPTH TO BE (4")



ELEVATION

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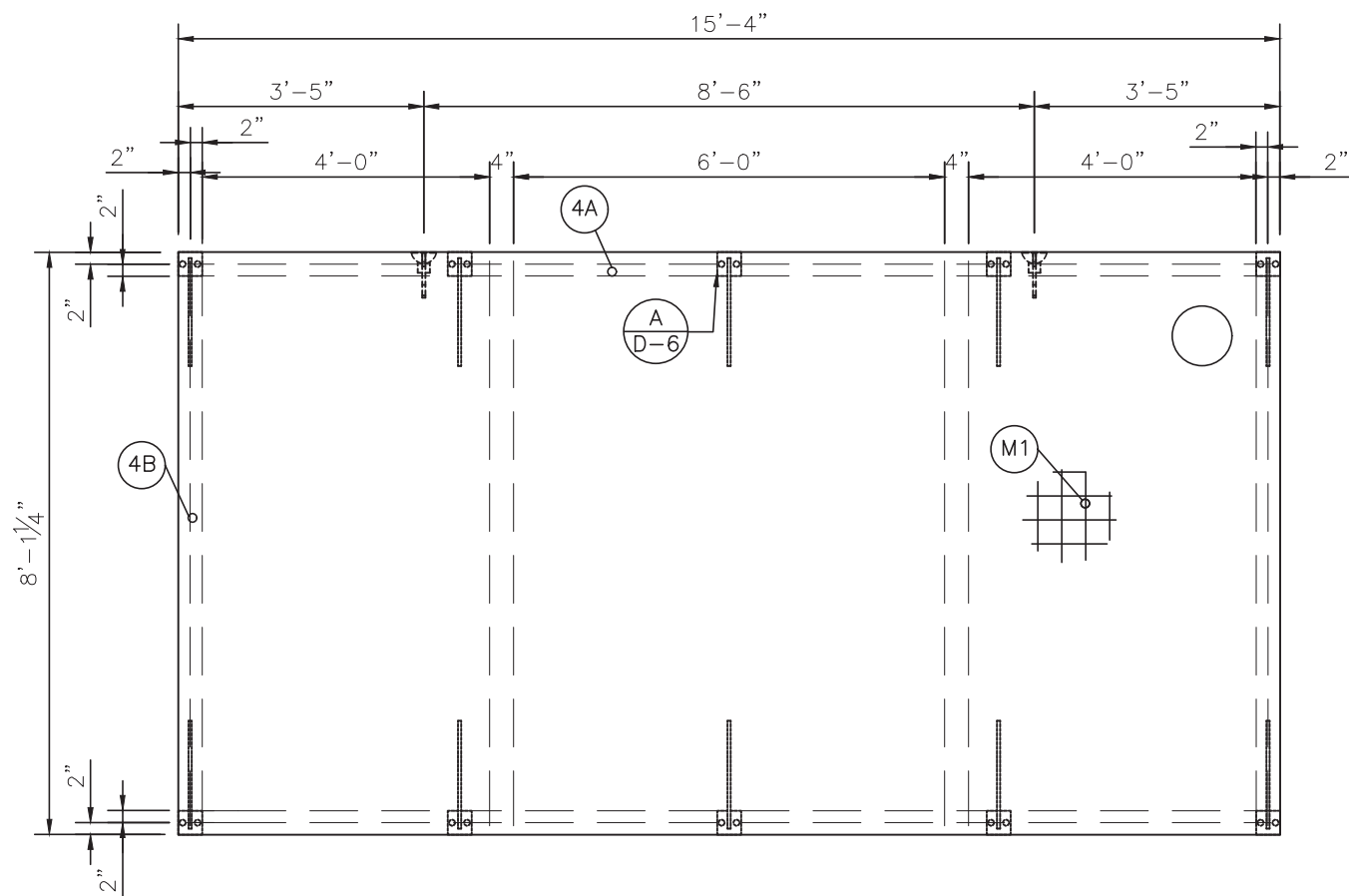
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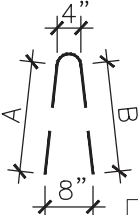
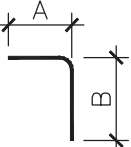
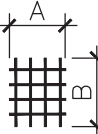
Drawing Title

**INTERIOR WALL
PANEL DETAIL**

Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. WP-5



INTERIOR WALL PANEL REINFORCING
SCALE 3/8" = 1'

					
1	2	3	4		
REINFORCING SCHEDULE					
MARK #	DESCRIPTION	SHAPE	DIM "A"	DIM "B"	QTY.
4A	#4x 60'-4"	1	15'-1"	—	4
4B	#4x 62'-10"	1	7'-10 1/4"	—	8
M1	WWF W4xW4	4	15'-1"	7'-10 1/4"	1

NOTE:
1. REINFORCEMENT TO HAVE
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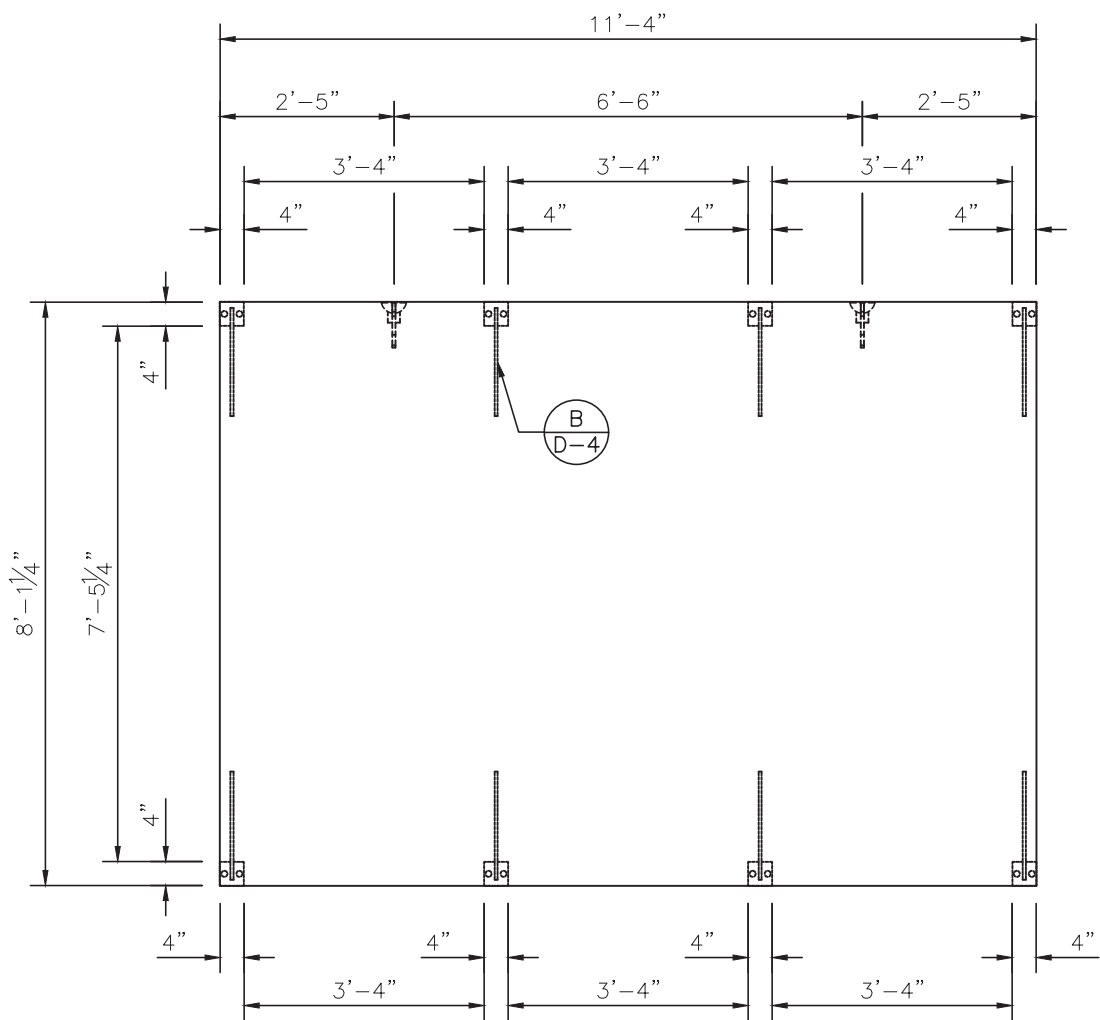
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Project
23'-0" x 12'-0" x 9'-0" h
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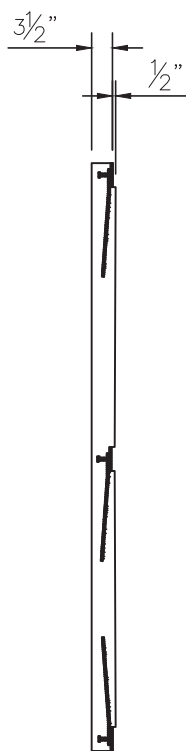
Drawing Title
INTERIOR WALL
PANEL
REINFORCING

Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. WP-5 (R)

NOTE:
1. PANEL FINISH TO BE BROOM FINISH
2. WELDING PLATES TO BE B.I.F.
3. PANEL DEPTH TO BE (4")



INTERIOR WALL PANEL DETAIL
SCALE 3/8" = 1'



ELEVATION

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		3	
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Project

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Drawing Title

INTERIOR WALL
PANEL DETAIL

Drawn By: MAF Scale: AS NOTED

Issue Date: Sheet No.

3/20/2020 **WP-6**



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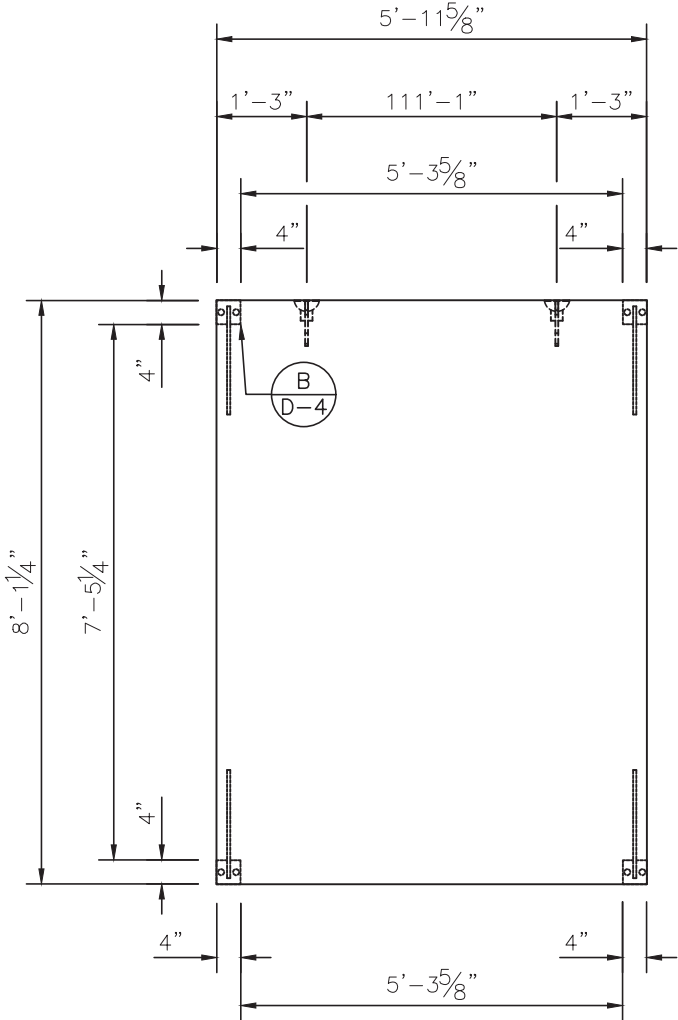
Project

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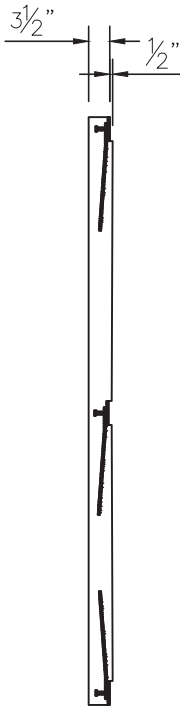
Drawing Title

**INTERIOR WALL
PANEL
REINFORCING**

Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. WP-6 (R)



INTERIOR WALL PANEL DETAIL
SCALE 3/8" = 1'



ELEVATION

NOTE:
1. PANEL FINISH TO BE BROOM FINISH
2. WELDING PLATES TO BE B.I.F.
3. PANEL DEPTH TO BE (4")

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03.20.20	REVISED A-1 PER MARKUPS	1	WCR
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Project

23'-0" x 12'-0" x 9'-0" h
PARTRIDGE BROOK PARK
CONCESSION/RESTROOM
SALISBURY, MA 01952

Drawing Title

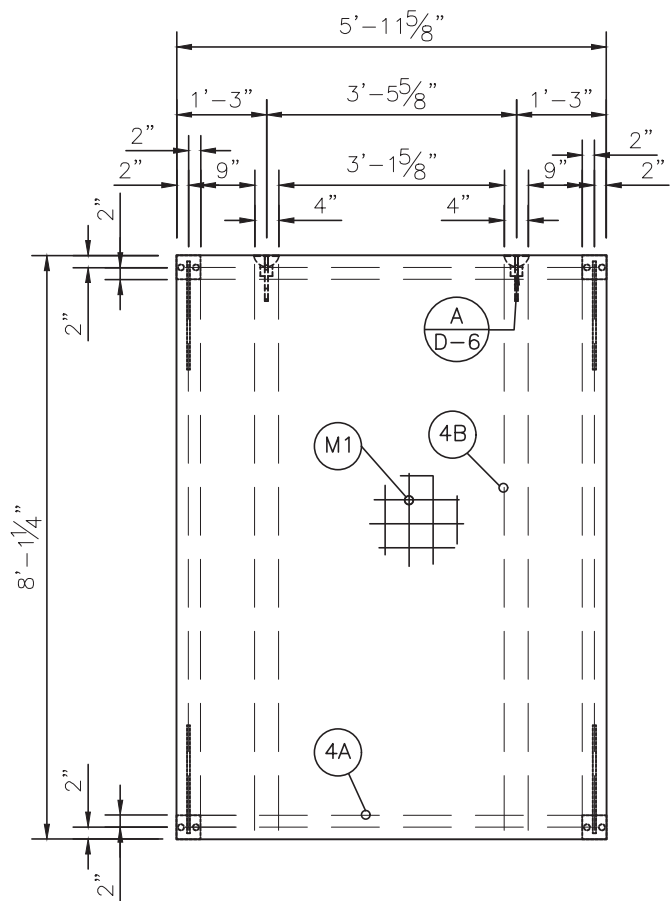
INTERIOR WALL
PANEL DETAIL

Drawn By: MAF

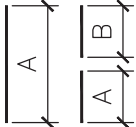
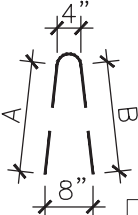
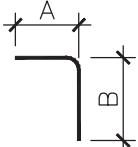
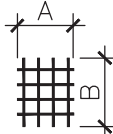
Issue Date:
3/20/2020

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Sheet No.
WP-7



INTERIOR WALL PANEL REINFORCING
SCALE 3/8" = 1'

					
1	2	3	4		
REINFORCING SCHEDULE					
MARK #	DESCRIPTION	SHAPE	DIM "A"	DIM "B"	QTY.
4A	#4x 22'-10 1/2"	1	5'-8 5/8"	—	4
4B	#4x 62'-10"	1	7'-10 1/4"	—	8
M1	WWF W4xW4	4	5'-8 5/8"	7'-10 1/4"	1

NOTE:
1. REINFORCEMENT TO HAVE 1 1/2" CLEAR COVER FROM ALL EDGES AND IN CENTER OF SLAB

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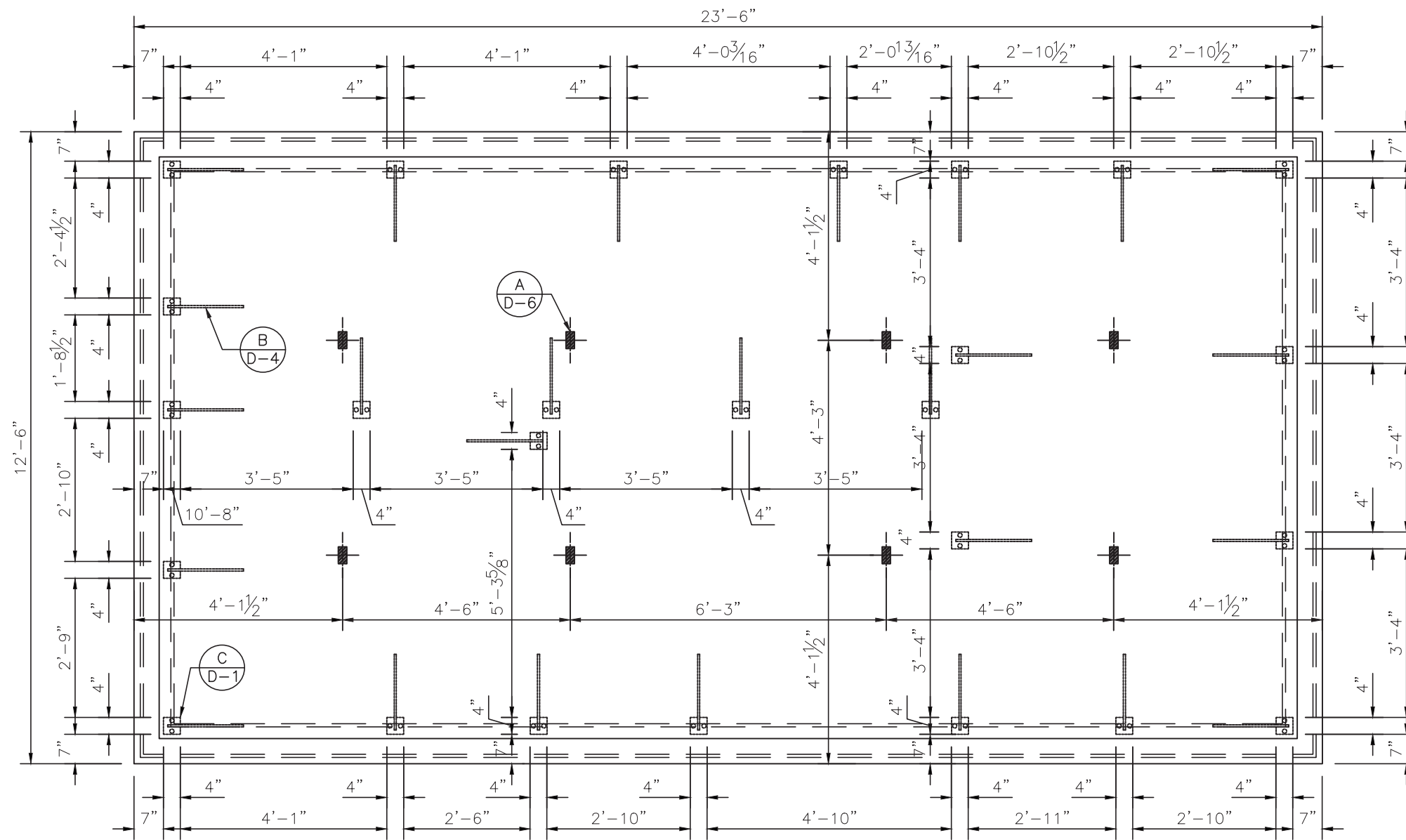
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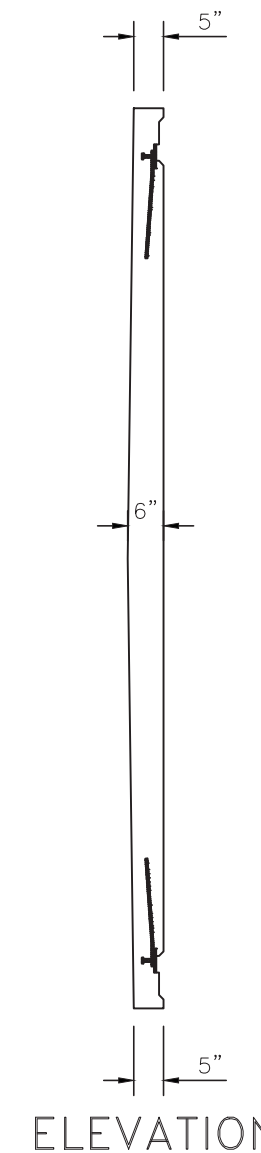
Drawing Title
INTERIOR WALL
PANEL
REINFORCING

Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. WP-7 (R)



ROOF SLAB DETAIL

SCALE $\frac{3}{8}'' = 1'$



ELEVATION



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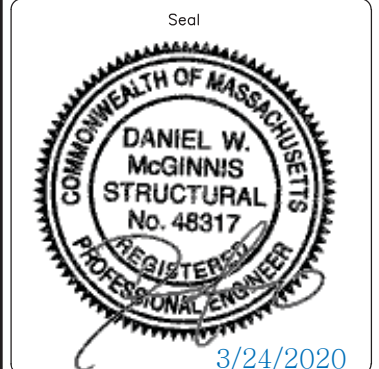
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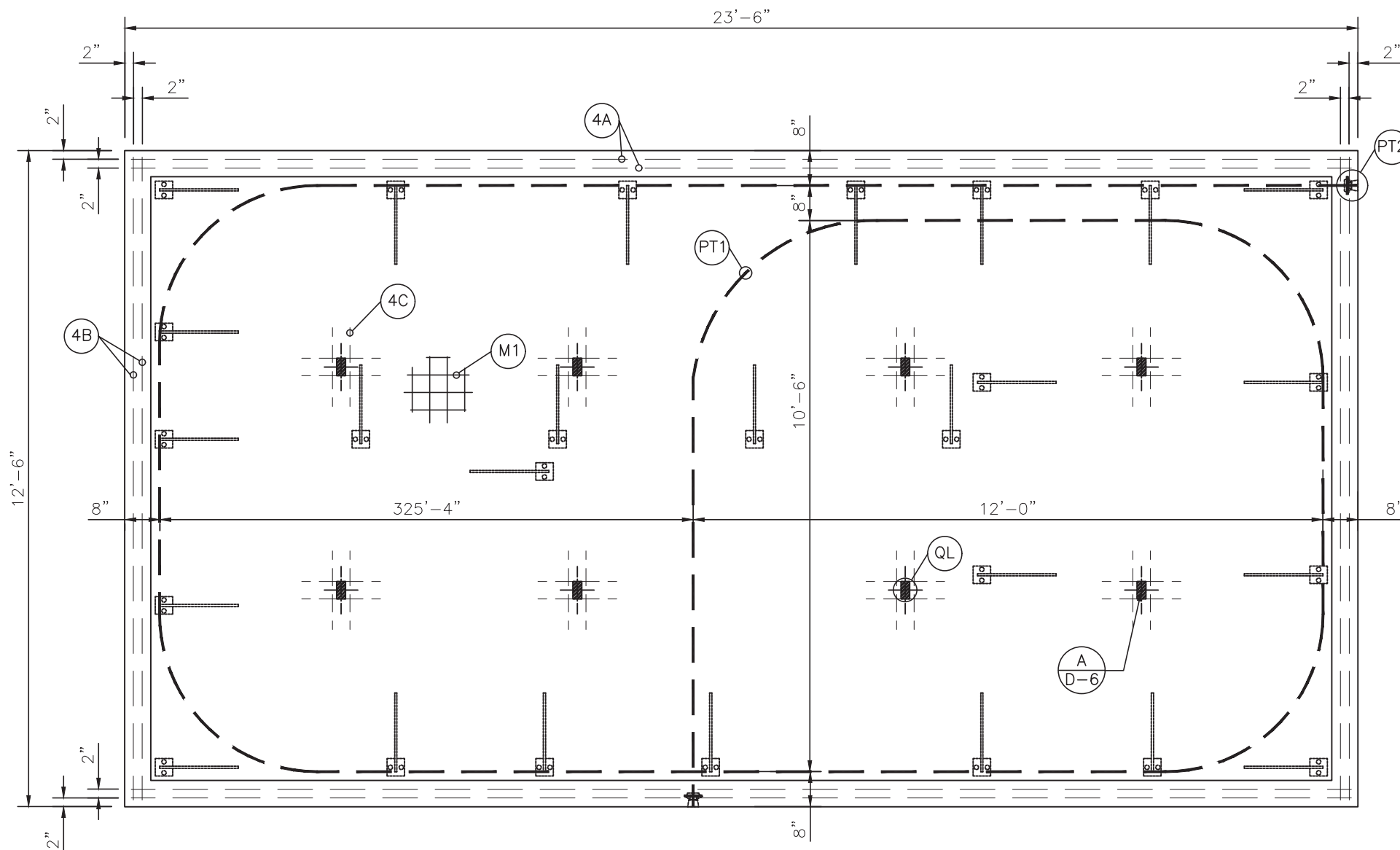
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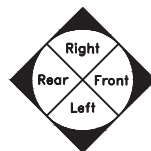
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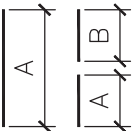
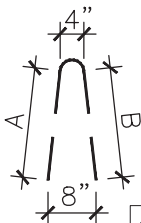
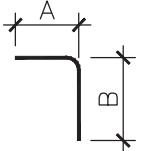
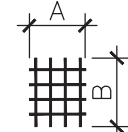
Drawing Title
**ROOF SLAB
DETAIL**

Drawn By: MAF	Scale: AS NOTED
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ROOF SLAB REINFORCING
SCALE 3/8" = 1'



					
REINFORCING SCHEDULE					
MARK #	DESCRIPTION	SHAPE	DIM "A"	DIM "B"	QTY
4A	#4x 93'-0"	1	23'-3"	—	4
4B	#4x 49'-0"	1	12'-3"	—	4
4C	#4x 24'-0"	1	1'-6"	—	32
M1	WWF W4xW4	4	23'-3"	12'-3"	1
QL	2-TON QUIKLIFT ANCHORS				8
PT1	½" 270 KSI STRESS RELIEVED STRAND LENGTH: 83'-2 3/4"				1
PT2	PT WEDGE & ANCHORS				2

NOTE:
REINFORCEMENT TO HAVE
1 1/2" CLEAR COVER FROM ALL
EDGES AND IN CENTER
OF SLAB

NOTE 1:
TRIM PLASTIC SHEATH @
BOTH ENDS OF PT CABLE TO
FIT TIGHT BETWEEN U-5
ANCHOR PLATES.

NOTE 2:
HOLD OUTSIDE PT CABLE 8"
FROM EDGE OF PANEL

NOTE 3:
REINFORCEMENT SEQUENCE
1) PLACE CHAIRS UNDER
MESH
2) PLACE MESH & INSTALL
MK300
3) INSTALL PT CABLE - HOLD
CABLE @ VERTICAL CENTER OF
PANEL
4) PLACE MK400, MK041109,
MK041909 & MK031909
5) PLACE MK41109 OVER
OTHER BARS, PT CABLE &
MK300

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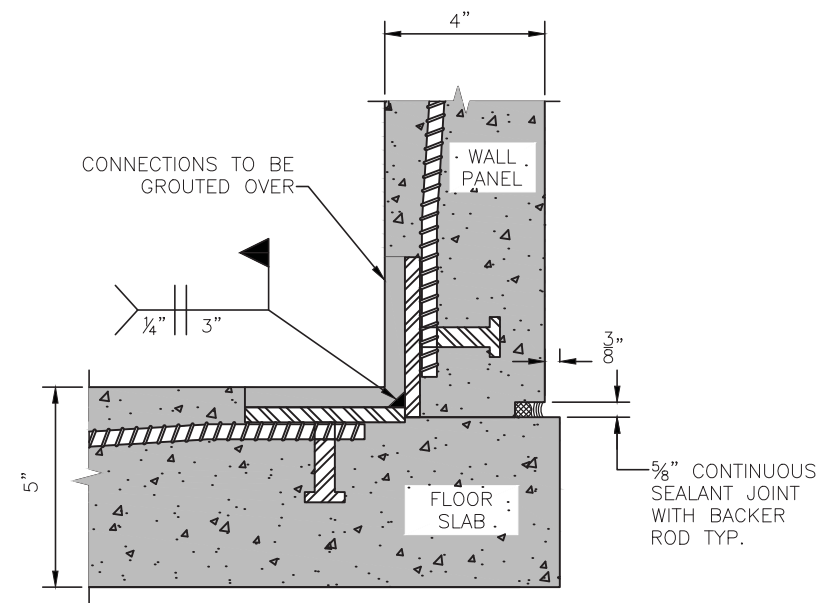
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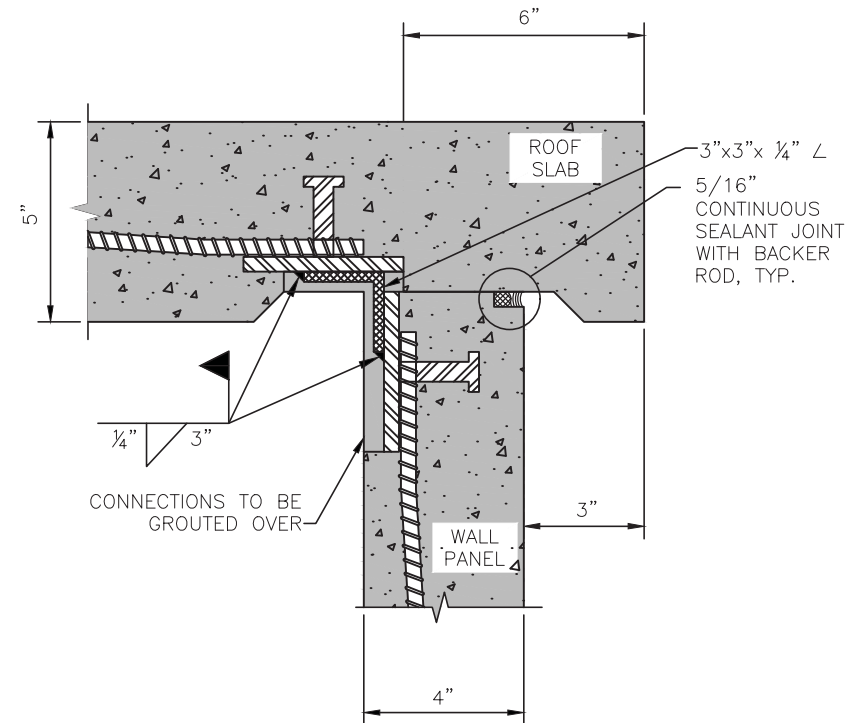
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Drawing Title
**ROOF SLAB
REINFORCING**

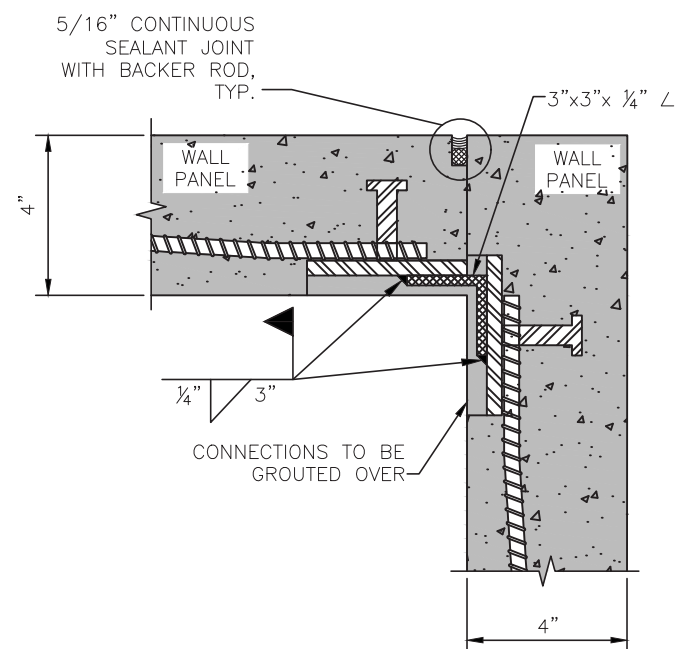
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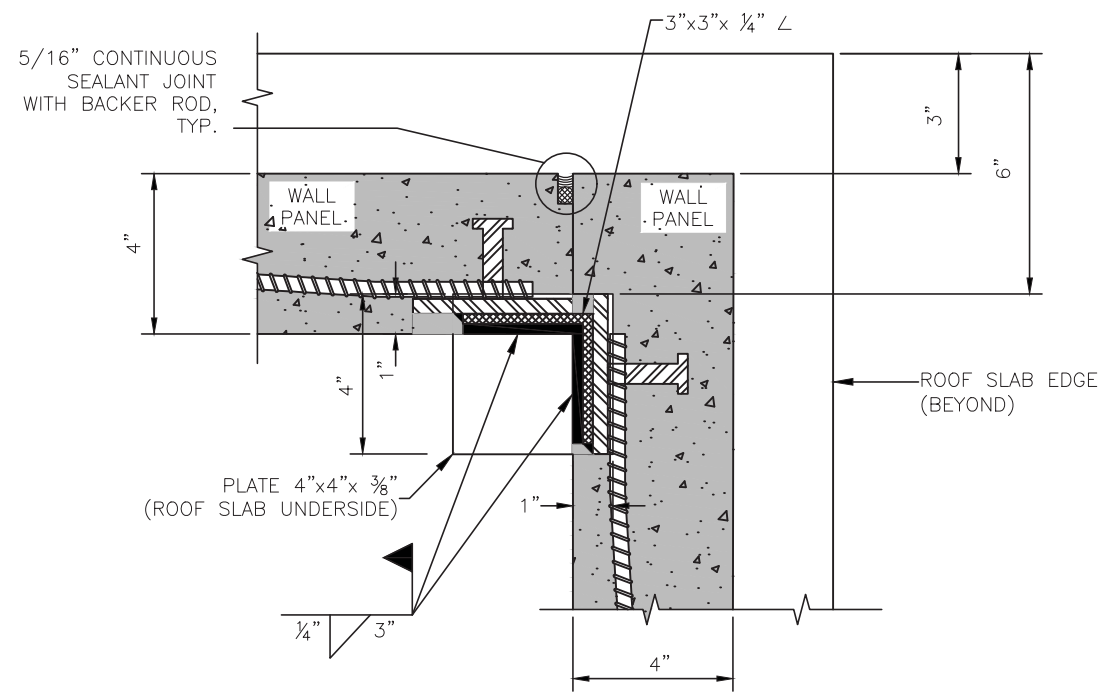
A WALL TO SLAB CONNECTION DETAIL



B 4 INCH THICK PRECAST CONCRETE WALL
ROOF TO WALL CONNECTION DETAIL



D WALL TO WALL CONNECTION DETAIL



E ROOF TO WALL CONNECTION DETAIL

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COMMONWEALTH OF MASSACHUSETTS
DANIEL W. MCGINNIS
STRUCTURAL
No. 48317
REGISTERED
PROFESSIONAL ENGINEER
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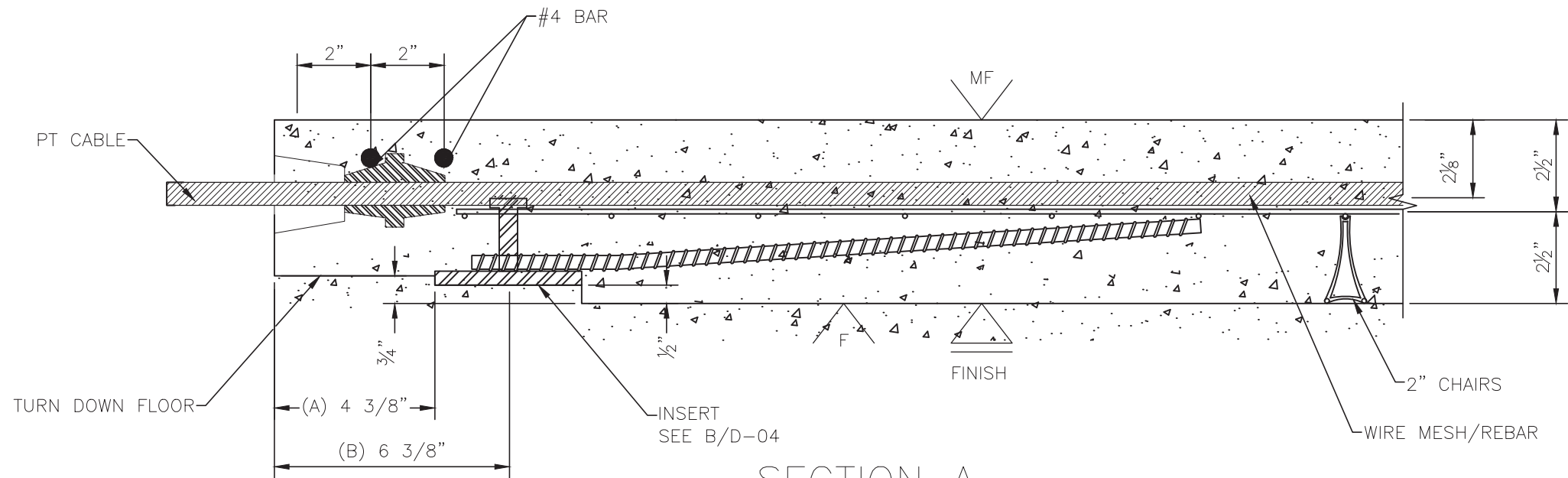
Project

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Drawing Title

**WELDED
CONNECTION
DETAILS**

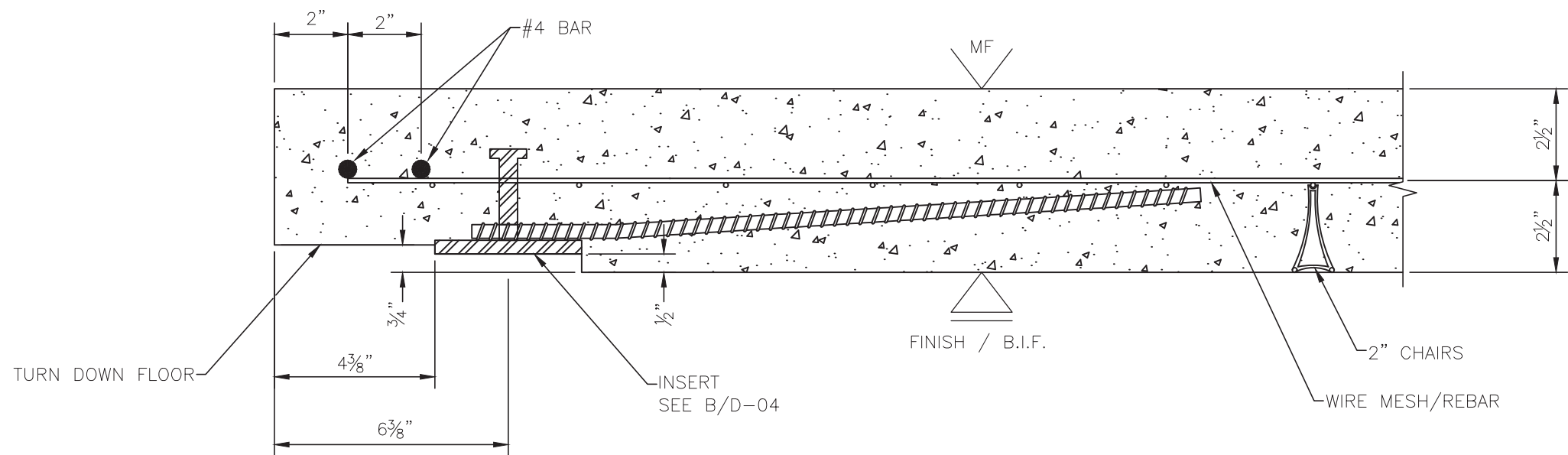
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Issue Date: 3/20/2020 Sheet No. D-1



DIMENSION	3" WALL	4" WALL
A	3 3/8"	4 3/8"
B	5 3/8"	6 3/8"

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

NOTE:
ORDER OF STEEL PLACEMENT IS RECOMMENDED BUT CAN VARY DUE TO SPECIFIC CUSTOMER REQUIREMENTS AND MAY REQUIRE ADJUSTMENT FROM PROJECT TO PROJECT TO AVOID CONFLICTS AND MAINTAIN PROPER CONCRETE COVER.



SECTION B
SCALE: 3" = 1'-0"

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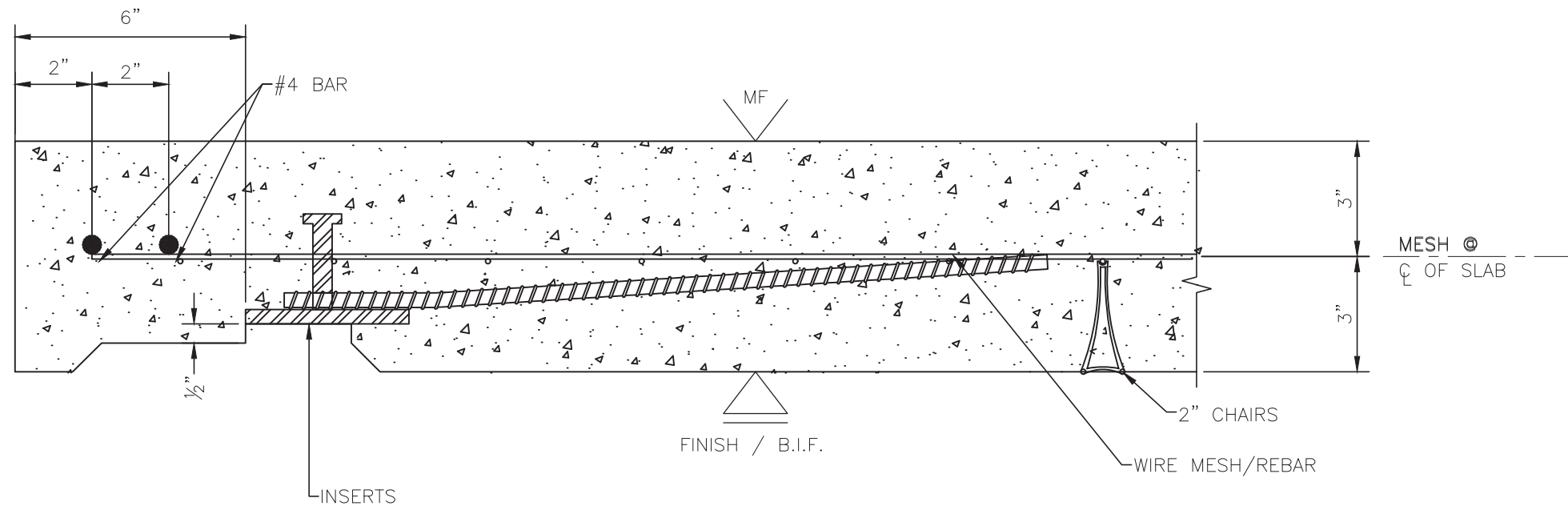
Project

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Drawing Title

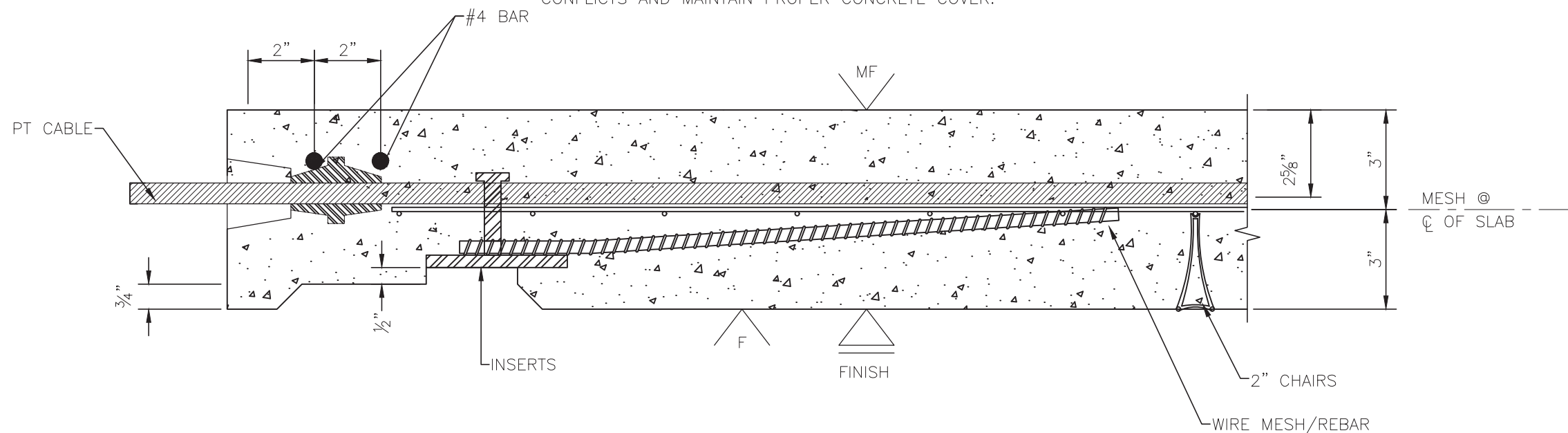
**TYPICAL
FLOOR EDGE
REINFORCING**

Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. D-2



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

NOTE:
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DETAIL B
SCALE: 3" = 1'-0"

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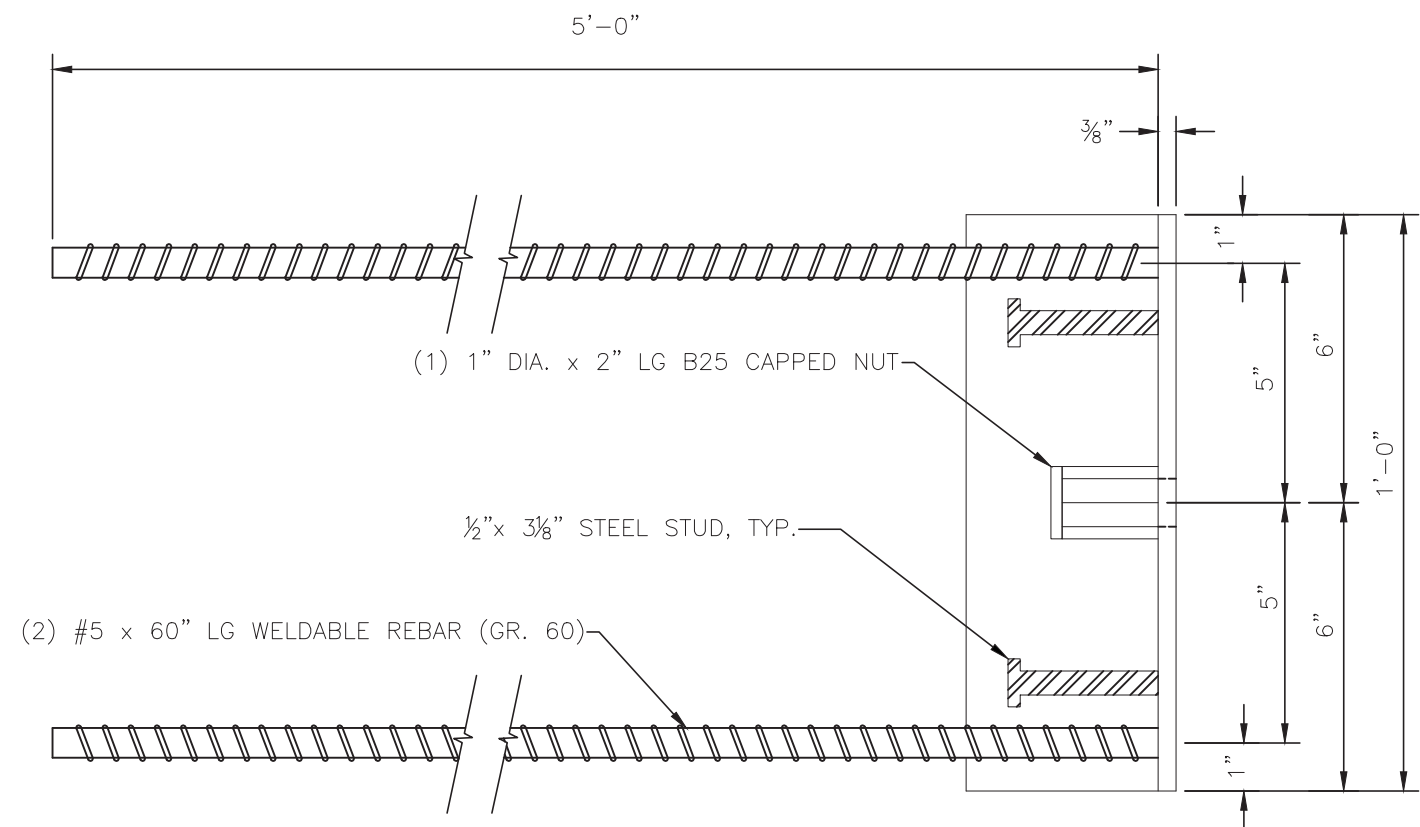
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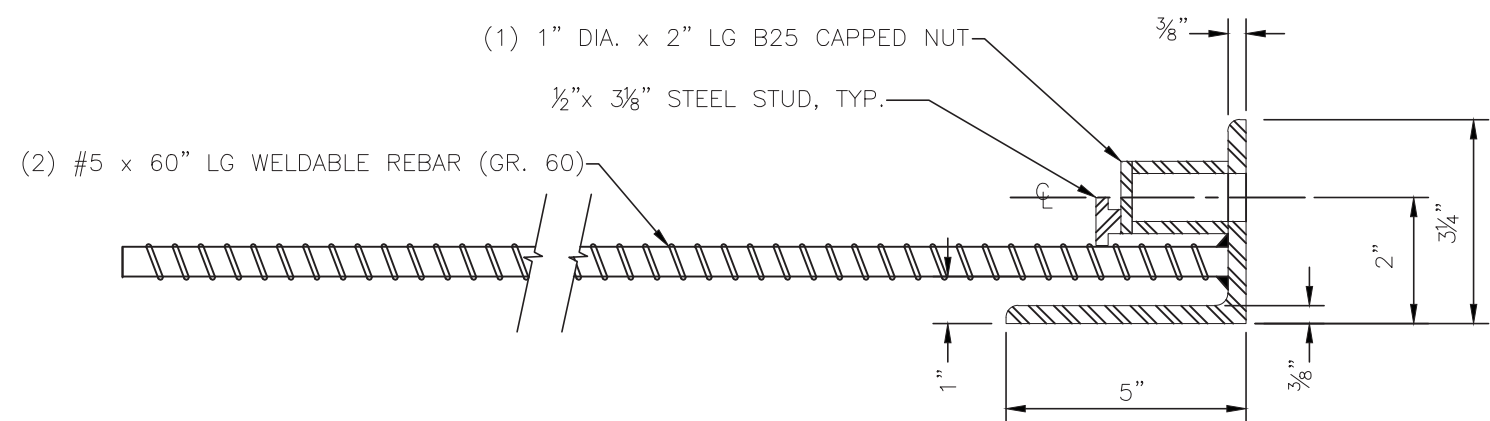
Drawing Title

**TYPICAL
ROOF EDGE
REINFORCING**

Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. D-3

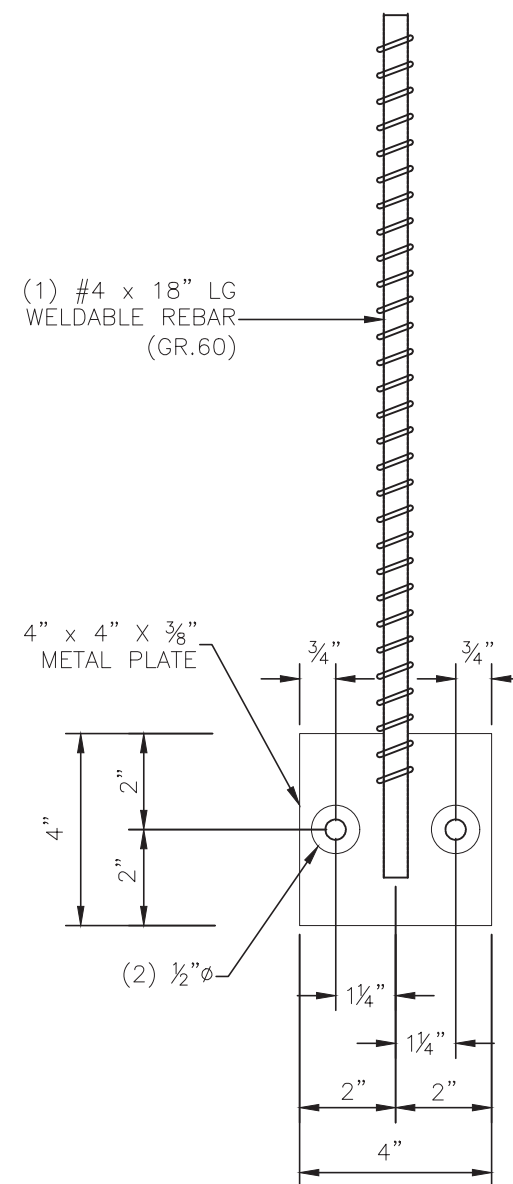


WALL LIFTING ANGLE — PLAN

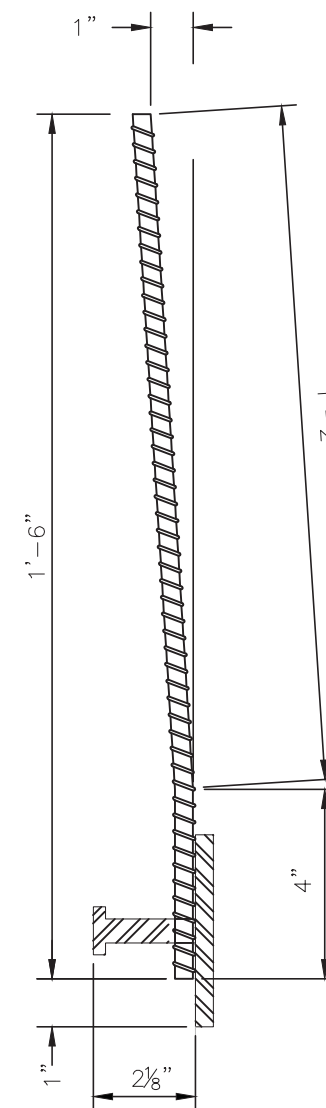


WALL LIFTING ANGLE — SECTION

A WALL LIFTING ANGLE



PLAN



SECTION

B WELDING INSERT

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**TYPICAL LIFTING
ANGLE &
WELDING INSERT**

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5.0 BUILDING PRODUCTION

5.10 STRESSING PROCEDURES FOR ROOFS AND FLOORS – MODEL 1224

1. REMOVE FORM RAILS. VERIFY CONCRETE STRENGTH WITH SCHMIDT HAMMER OR CYLINDER BREAKS. CONCRETE SHALL BE A MINIMUM OF 3,750 PSI BEFORE CABLE CAN BE STRESSED.
2. REMOVE RECESSED PLASTIC POCKET–FORMERS AT THE POST–TENSIONING ANCHOR.
3. REMOVE THE PLASTIC SHEATH FROM THE STRAND ALL THE WAY FROM THE BASE OF THE ANCHOR TO THE END OF THE STRAND. CLEAN OFF GREASE FROM EXPOSED PORTION OF CABLE. USE A SUITABLE SOLVENT. NEVER HEAT OR USE FLAME ON THE CABLE.
4. INSURE THAT THE TAPERED HOLES IN THE ANCHORS ARE CLEANED AND FREE OF ANY DEBRIS OR CEMENT PASTE, WHICH MIGHT INTERFERE WITH PROPER WEDGE SEATING.
5. INSTALL WEDGE SETS AROUND THE STRAND AT EACH ANCHOR. PRESS THE WEDGES IN WITH THE FINGERS EVENLY. TAP WEDGES IN SECURELY. MAKE SURE THE ENDS OF THE WEDGES ARE EVEN WITH EACH OTHER SO THAT THE STRESS WILL BE EVENLY DISTRIBUTED OVER THE WIRES OF THE STRAND.
6. SLIDE THE WEDGE–SETTER OVER THE CABLE AND PLACE AGAINST THE WEDGES INSTALLED IN THE CAST–IN ANCHORS (SEE DRAWING #1 ON SHEET A1.08).
7. INSTALL THE TEMPORARY REUSABLE ANCHOR ON THE STRAND. THE PLATES OF THE JACK WILL PUSH AGAINST THIS ANCHOR TO ELONGATE AND, THEREFORE, STRESS THE STRAND. SET THE TEMPORARY STRESSING ANCHOR APPROXIMATELY 5” BEYOND THE REAR OF THE WEDGE–SETTER (SEE DRAWING #1 ON A1.08).
8. INSTALL THE PLATES OF THE TWIN RAM STRESSING JACK OVER THE STRAND BETWEEN THE WEDGE–SETTER AND THE REUSABLE STRESSING ANCHOR.
9. STANDING BACK FROM THE JACK, USING A REMOTE SWITCH FOR THE PUMP, STRESS THE STRANDS UNTIL THE PUMP PRESSURE GAUGE INDICATES A PRESSURE LISTED ON THE CALIBRATION CHART OF YOUR STRESSING PUMP, THAT CORRESPONDS TO 33 K REQUIRED TENSION ON THE ½” CABLE. WHENEVER STRESSING BE SURE TO OBSERVE SAFETY PRECAUTIONS AND OPERATOR POSITIONING IN ANTICIPATION OF UNEXPECTED FAILURES. NOTE: AS A DOUBLE–CHECK TO INSURE PROPER ELONGATION OF THE STRAND, MEASURE THE DISTANCE THE JACK HAS STRETCHED THE CABLE. THIS DIMENSION SHOULD BE IN ACCORDANCE WITH THE FOLLOWING FORMULA:
LENGTH OF TOTAL CABLE X .0795 = THE LENGTH OF CABLE ELONGATION.
10. RELEASE PUMP PRESSURE SLOWLY AND REMOVE THE JACKING SYSTEM AND TEMPORARY STRESSING ANCHOR. YOUR POST RELEASE TENSION ON THE CABLE WILL BE 28.5 K.
11. REPEAT STRESSING OPERATION AT OTHER END OF CABLE. TO INSURE THAT CABLE IS FULLY TENSIONED. LINE FRICTION MAY RESULT IN LOWER STRESS OF TOTAL LENGTH OF CABLE IF THIS PROCEDURE IS NOT DONE.
12. RELEASE PUMP PRESSURE SLOWLY AND REMOVE JACK SYSTEM AND TEMPORARY ANCHOR.
13. CUT OFF STRAND TAILS AT 1” FROM THE WEDGE AND PACK THE HOLES WITH PERMANENT GROUT.

SAFETY INSTRUCTIONS:

- NOTE:
STRESSING UNITS ARE CALIBRATED AGAINST LOAD CELLS TO DETERMINE THE GAUGE PRESSURES FOR A PARTICULAR UNIT WHICH WILL PRODUCE THE DESIRED ENGINEERING FORCE. GAUGE PRESSURE VERSUS ACTUAL LOAD CALIBRATION SHOULD BE CHECKED EVERY SIX MONTHS AGAINST A LOAD CELL. THE SAMPLE TABLE ON A1.08 LISTS THE CURRENT EQUIPMENT IN SERVICE. NEVER USE EQUIPMENT WHICH HAS NOT BEEN TESTED IN THE LAST 6 MONTHS. THE QUALITY CONTROL DEPARTMENT HAS THE RESPONSIBILITY TO INSURE THE STRESSING UNIT IS CALIBRATED SEMI–ANNUALLY. SEE THE FOLLOWING SAMPLE CALIBRATION CHART A1.08. THE CALIBRATION CHART OF YOUR STRESSING JACK IS LIKELY TO VARY FROM THE SAMPLE TABLE ON A1.08.
- ROOF AND FLOOR POST–TENSIONING STRESSING SYSTEM SAFETY INSTRUCTIONS
THIS EQUIPMENT IS DESIGNED AND BUILT TO PROVIDE SAFETY DURING EQUIPMENT OPERATION. IT MUST BE OPERATED AND MAINTAINED BY PERSONNEL WHO ARE TRAINED IN AND FOLLOW SAFE PROCEDURES. SINCE THE FORCES INVOLVED IN TENDON STRESSING ARE IN THE ORDER OF 33 TO 46 KIPS, IT IS OBVIOUS THAT FAILURE FROM ANY CAUSE COULD BE DAMAGING TO PERSONNEL AND PROPERTY. ACCORDINGLY, STRESSING EQUIPMENT OPERATORS ARE EXPECTED TO OBSERVE ALL APPLICABLE SAFETY PRECAUTIONS INCLUDING THE FOLLOWING:
1. BEFORE ACTIVATING THE PUMP, VISUALLY CHECK ALL ELASTOMERIC TUBING FOR NICKS, CRACKS, OR OTHER DAMAGE AND REPAIR OR REPLACE IF REQUIRED.
2. SEE THAT ALL TUBING JOINTS ARE TIGHTLY CONNECTED.
3. BE SURE THAT PUMP IS SUPPORTED IN A STABLE MANNER AND POSITIONED TO AVOID STRAIN ON CONNECTION LINES.
4. BE SURE THAT PROTECTIVE DUNNAGE AND APPROPRIATE SAFETY BARRIERS ARE ERECTED TO PROTECT THE OPERATOR AND ANY OTHERS IN THE AREA.
5. OBSERVE THE GAUGE PRESSURE THAT WILL DEVELOP THE REQUIRED TENSILE FORCE AS MARKED ON THE TAG ATTACHED TO THE PUMP. LOCATE THIS READING ON GAUGE FACE.
6. BE CERTAIN THAT TENSIONING TWIN–RAMS ARE POSITIVELY ENGAGED AND CORRECTLY ALIGNED.
7. ACTIVATE PUMP AND OBSERVE GAUGE. IF PRESSURE DOES NOT BUILD UP PROMPTLY, CHECK SYSTEM FOR LEAKAGE AND MAKE SURE THAT ANCHORS AND WEDGES ON BOTH ENDS OF THE POLYSTRAND® TENDONS ARE PROPERLY ENGAGED. WHEN PRESSURE REACHES APPROXIMATELY 1000 PSI, STOP AND CHECK FOR ALIGNMENT. MAKE SURE THAT THE STRAND IS AT THE TOP OF THE SLOT PROVIDED IN THE TENSION JACK CYLINDER CONNECTOR PLATES.
8. CONTINUE PUMPING UNTIL FINAL PRESSURE IS ATTAINED. WHEN STRESSING LONG TENDONS, MULTIPLE STROKES AND RESETTNG THE TEMPORARY ANCHOR WILL BE REQUIRED. – – CAUTION – – PRESSURE WILL BUILD EXTREMELY FAST IF RAMS ARE FULLY EXTENDED. MONITOR RAM EXTENSION AND GAUGE READINGS CONTINUOUSLY.
9. WHEN THE CORRECT FORCE HAS BEEN APPLIED TO THE TENDON, STOP THE PUMP MOTOR AND RELEASE THE PRESSURE ON THE PACK BY OPENING THE HYDRAULIC VALVE.
10. USE CARE IN MOVING AND STORING EQUIPMENT TO INSURE THAT GAUGE AND TUBING ARE NOT DAMAGED.
11. OBSERVE SITE RULES PERTAINING TO FREQUENCY OF GAUGE CALIBRATION.



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FINAL – FOR CONSTRUCTION			
Date	Description	Rev.	By.
03.20.20	REVISED A–1 PER MARKUPS	△	WCR
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Project

**23'-0" x 12'-0" x 9'-0" h
PARTRIDGE BROOK PARK
CONCESSION/RESTROOM
SALISBURY, MA 01952**

Drawing Title

**POST TENSIONING
INSTRUCTIONS**

Drawn By: MAF	Scale: AS NOTED
Issue Date: 3/20/2020	Sheet No. D-8