



DAILY FIELD REPORT

Date: 12/2/10
Project: 62 Cumberland Ave 3-Unit
Project #: 14472
Site Contacts: Mike White - Island Carpentry
Purpose of Visit: Rebar inspection and concrete testing services.

Work Activities:

Onsite to complete steel reinforcement inspection for foundation walls not yet completed on 12-1-10. Reinforcement placement was being performed up to, and during the concrete placement by Mid-Maine Foundations at the time of inspection. The following identified issues were inspected prior to the scheduled concrete placement:

- 1) Upper horizontal reinforcement in all foundation walls
- 2) Bondout in foundation wall at Line A, Line 9 to Line 11 (see H4/S3.1)
- 3) Break in horizontal reinforcement for control joint at Lines A and 7 (see E1/S3.0)
- 4) All vertical reinforcement at wall corners and at ends of walls (see C3/S3.0)
- 5) All #4 bent bars to connect top of wall to slabs (see E8/S3.0)
- 6) Verify piers at garage entrances reworked to include 4 horizontal stirrups and 4-inch clearance off footers (see E8/S3.0 and C4/S3.1)
- 7) All anchor bolts

- All bar sizes were consistent with plans and specifications.
- Steel did not meet clearance specifications in all areas.
 - Endwall at line 11 at line C.9
- Spacing of reinforcement met requirements
- There were several areas where lap/splice lengths did not meet the minimum requirements of specifications:
 - Line 3.5 to 4 at line A
 - Line 4.5 at line D
 - Line 3 at line A.4
 - Line 1 at line C.9
 - Line 11 at line C.9
- There were several instances of steel reinforcement not placed according to specifications at all corners and an endwall.
- There was an excess of form release oil used inside the forms, which is shown in the attached pictures as the blue colored pools on the footings.

Please refer to the observation records attached with this report for more detailed inspection reports.

Portal to Portal

Leave:	<u>9:00</u>	<u>Expenses</u>	
Return:	<u>16:30</u>	Mileage:	<u>12</u>
TOTAL:	<u>7.5</u>	Density Gauge:	<u> </u>
		Other:	<u> </u>

Signed: Matthew Gilman

cc:

Reviewed: Darrell A. Gilman, CMT Manager
Date: 12/8/10



Project Name: 62 Cumberland Avenue, 3-Unit
Project Number: 14472
Contractor: Mid-Maine foundations

Date: 12/2/2010
Ref. Plan No.: S2.0
Approval Date: 11/15/2010

SKETCH OF INSPECTED AREA



Foundation Type: Footing Wall Pier Other: _____

Location: Line 1 at Line C.9

Bar sizes consistent with plans and specifications.: Vertical Horizontal
Describe: _____ Va. #4's, Hz. #4's

Steel meets min./max. clearance requirements of specifications.: Forms Subgrade
Describe: _____

Spacing of steel meets min./max. requirements of specifications.: Vertical Horizontal
Describe: _____

Lap/Splice length meet minimum requirements of specifications.: Vertical Horizontal
Describe: _____ Hz. Lap and setup inconsistent w/ plans

Comments:

Vertical bar placed at interior of corner, inconsistent with C3/S3.0
Missing upper and lower horizontal interior and exterior bar laps.

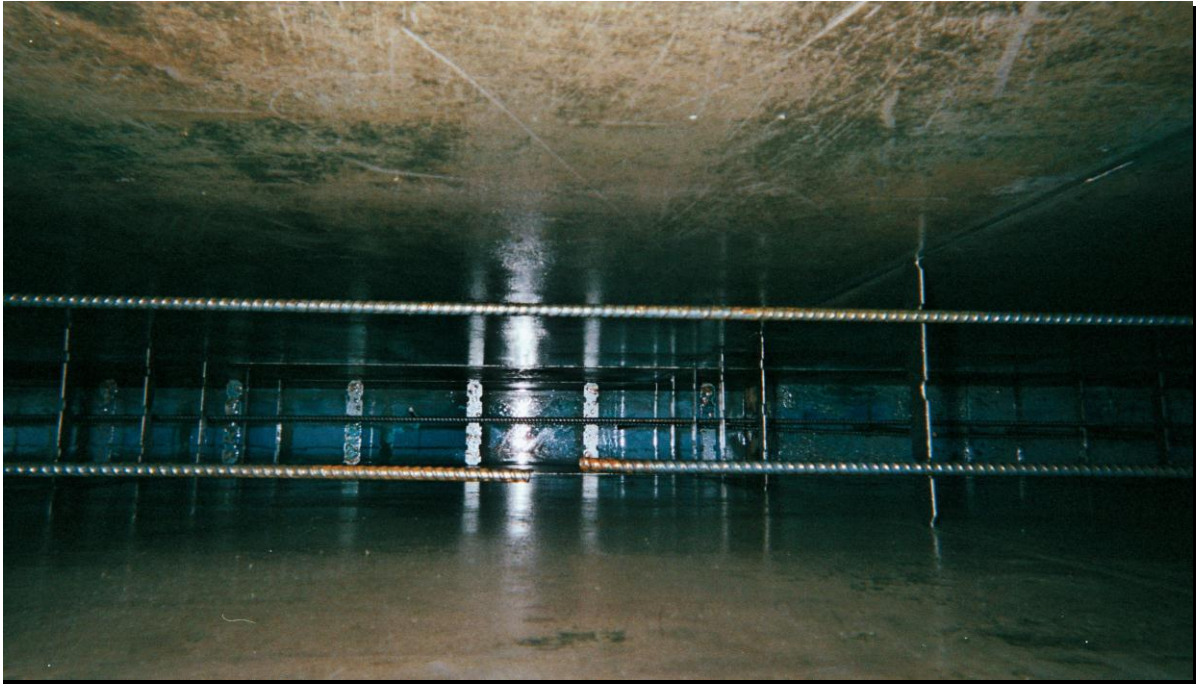
Technician Signature: Matthew Gilman



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SKETCH OF INSPECTED AREA



Foundation Type: Footing Wall Pier Other: _____

Location: 30 feet from line 11 at line A along line A

Bar sizes consistent with plans and specifications.: Vertical Horizontal
Describe: _____ Hz. #4's

Steel meets min./max. clearance requirements of specifications.: Forms Subgrade
Describe: _____

Spacing of steel meets min./max. requirements of specifications.: Vertical Horizontal
Describe: _____

Lap/Splice length meet minimum requirements of specifications.: Vertical Horizontal
Describe: _____

Comments:

2 inch gap cut out of exterior horizontal bar per E1/S3.0 (Control joint)

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SKETCH OF INSPECTED AREA



Foundation Type: Footing Wall Pier Other: _____

Location: Line 3 at line A.4

Bar sizes consistent with plans and specifications.: Vertical Horizontal
Describe: _____ Hz. #4's

Steel meets min./max. clearance requirements of specifications.: Forms Subgrade
Describe: _____

Spacing of steel meets min./max. requirements of specifications.: Vertical Horizontal
Describe: _____

Lap/Splice length meet minimum requirements of specifications.: Vertical Horizontal
Describe: _____

Comments:

Lower bars around corner inconsistent with plan.
Lower bar not tied to vertical reinforcement.

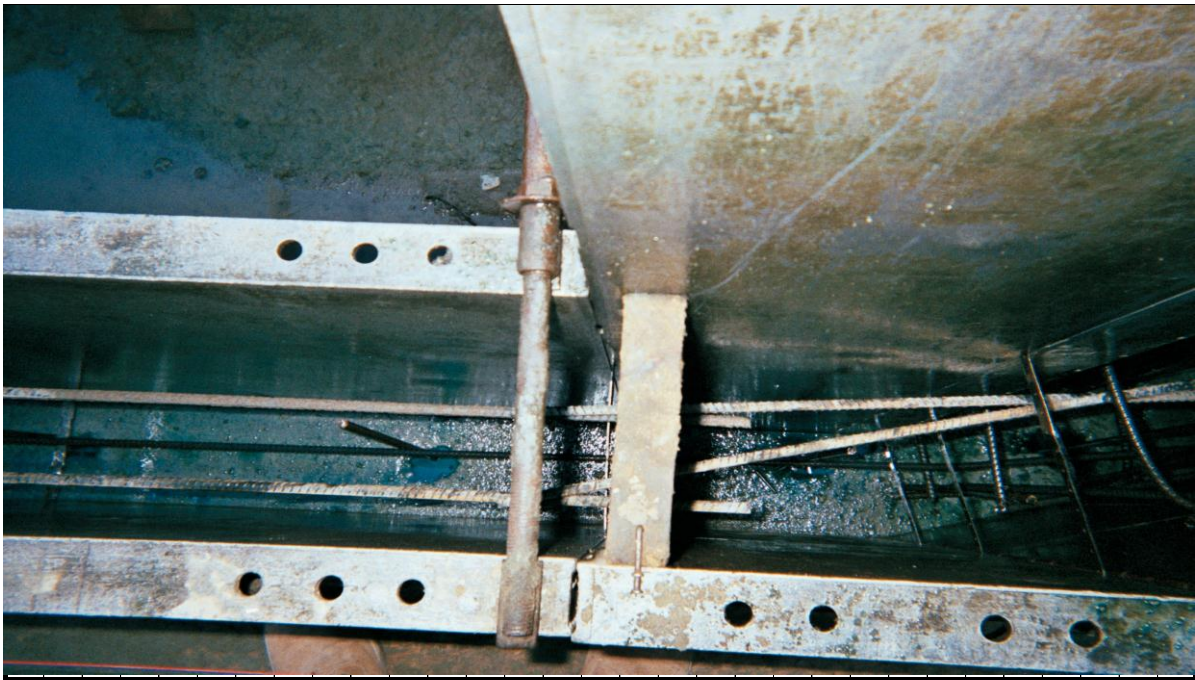
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SKETCH OF INSPECTED AREA



Foundation Type: Footing Wall Pier Other: _____

Location: Line 4.5 at line D off of Pier

Bar sizes consistent with plans and specifications.: Vertical Horizontal
Describe: Va. #4 and Hz. #4

Steel meets min./max. clearance requirements of specifications.: Forms Subgrade
Describe:

Spacing of steel meets min./max. requirements of specifications.: Vertical Horizontal
Describe:

Lap/Splice length meet minimum requirements of specifications.: Vertical Horizontal
Describe: Hz lap approximately 6 to 8 inches

Comments:

Horizontal lap inconsistent with plan. E.9/S1.0

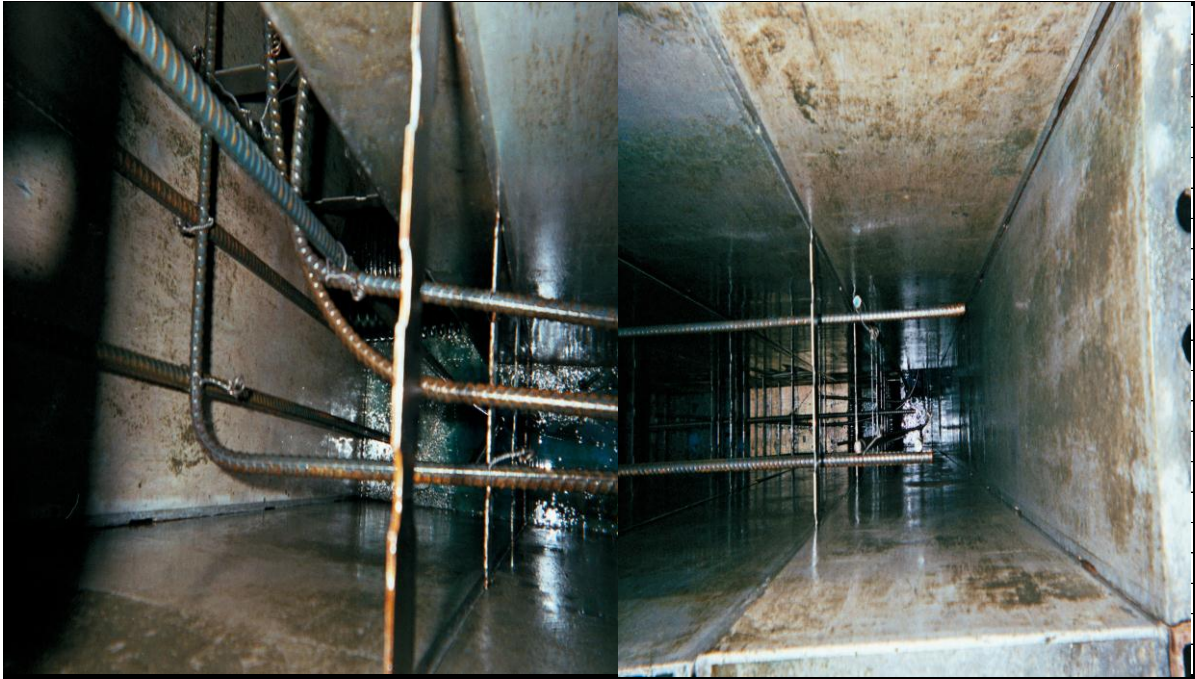
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SKETCH OF INSPECTED AREA



Foundation Type: Footing Wall Pier Other: _____

Location: Line 3 at line A

Bar sizes consistent with plans and specifications.: Vertical Horizontal
Describe: _____ Va. #4 and Hz. #4

Steel meets min./max. clearance requirements of specifications.: Forms Subgrade
Describe: _____

Spacing of steel meets min./max. requirements of specifications.: Vertical Horizontal
Describe: _____

Lap/Splice length meet minimum requirements of specifications.: Vertical Horizontal
Describe: _____

Comments:

Upper endwall horizontal and lower horizontal and vertical corner bars placement inconsistent with C3/S3.0

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Foundation Type: Footing Wall Pier Other: _____

Location: Line 3.5 to 4 at line A

Bar sizes consistent with plans and specifications.: Vertical Horizontal
Describe: _____ Hz. #4

Steel meets min./max. clearance requirements of specifications.: Forms Subgrade
Describe: _____

Spacing of steel meets min./max. requirements of specifications.: Vertical Horizontal
Describe: _____

Lap/Splice length meet minimum requirements of specifications.: Vertical Horizontal
Describe: _____ No lap/connection to running upper Hz. Bars

Comments:

No lap as per E.9/S1.0

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SKETCH OF INSPECTED AREA



Foundation Type: Footing Wall Pier Other: _____

Location: Line 11 at line A corner

Bar sizes consistent with plans and specifications.: Vertical Horizontal
Describe: _____ Hz. #4 Va. #4

Steel meets min./max. clearance requirements of specifications.: Forms Subgrade
Describe: _____

Spacing of steel meets min./max. requirements of specifications.: Vertical Horizontal
Describe: _____

Lap/Splice length meet minimum requirements of specifications.: Vertical Horizontal
Describe: _____

Comments:

Corner vertical and horizontal bars placement inconsistent with plan. C3/S3.0

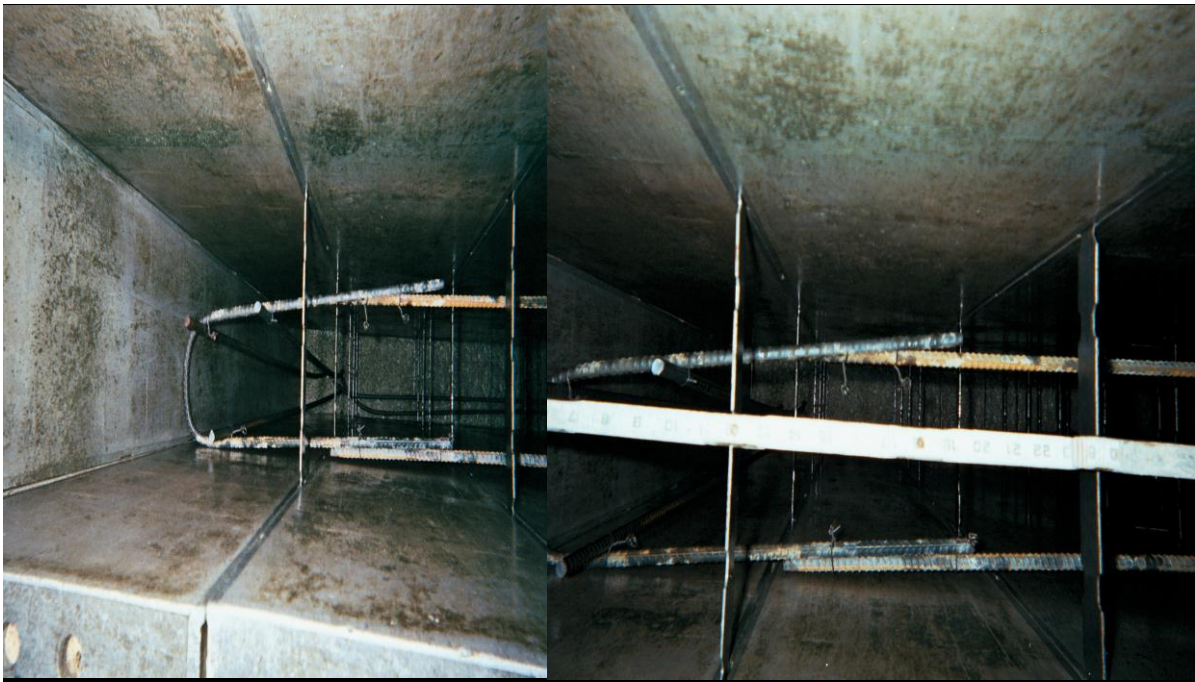
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SKETCH OF INSPECTED AREA



Foundation Type: Footing Wall Pier Other: _____

Location: Line 11 at line C.9 endwall

Bar sizes consistent with plans and specifications.: Vertical Horizontal
Describe: _____ Hz. #4 Va. #4

Steel meets min./max. clearance requirements of specifications.: Forms Subgrade
Describe: _____ Bars were hand-positioned during placement away from forms.

Spacing of steel meets min./max. requirements of specifications.: Vertical Horizontal
Describe: _____

Lap/Splice length meet minimum requirements of specifications.: Vertical Horizontal
Describe: _____ Hz. lap approx. 6 in.

Comments:

Endwall vertical and horizontal bars placement inconsistent with plan. C3/S3.0
Upper horizontal bars did not meet lap requirement per E.9/S1.0 (Ruler in picture overexposed due to flash.)
Bars at endwall were held away from forms during placement. Exterior upper horizontal bar did not meet clearance specification.

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SKETCH OF INSPECTED AREA



Foundation Type: Footing Wall Pier Other: _____

Location: Piers, Type 2 and 3 along line D

Bar sizes consistent with plans and specifications.: Vertical Horizontal
Describe: _____ Hz. #4 Va. #4

Steel meets min./max. clearance requirements of specifications.: Forms Subgrade
Describe: _____

Spacing of steel meets min./max. requirements of specifications.: Vertical Horizontal
Describe: _____

Lap/Splice length meet minimum requirements of specifications.: Vertical Horizontal
Describe: _____

Comments:

Example of piers along line D.
Pictures shown before placement of upper horizontal reinforcement.

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SKETCH OF INSPECTED AREA



Foundation Type: Footing Wall Pier Other: _____

Location: Line 9 to 11 at line A

Bar sizes consistent with plans and specifications.: Vertical Horizontal
Describe: _____ Hz. #4 Va. #4

Steel meets min./max. clearance requirements of specifications.: Forms Subgrade
Describe: _____

Spacing of steel meets min./max. requirements of specifications.: Vertical Horizontal
Describe: _____

Lap/Splice length meet minimum requirements of specifications.: Vertical Horizontal
Describe: _____

Comments:

Showing horizontal reinforcement bars setup at bondout. H4/S3.1

Technician Signature: Matthew Gilman