

STRUCTURAL TEST AND INSPECTIONS REPORT

FIELD REPORT NO: 10

Project: **53 Danforth Street**
Portland, ME 04101

Contractor: **Wright-Ryan Construction**
10 Danforth Street
Portland, ME 04101

Client: **Archetype**
48 Union Wharf
Portland, ME 04101

Date: **12/22/08**
Temperature/ Weather: **Sunny, 20F**

Present At Site: Larry Ross - Wright Ryan
Bill Doherty - Constructive Services

Work in Progress / Observations:

- 10.1 We were assigned to the above stated project to witness the post tensioning of the tendons at the 2nd level structural slab.
- 10.2 The measurements of the elongated tendons are presented with notes included. Item 9.4 was previously completed.
- 10.3 The tendon mark numbers were remarked in this report different from the shop drawings to prevent any discrepancies when recording the measurements.

Action Required / Items to Verify

000941
40 A 13
DEC 22 2008

Blair Budka

FIELD REPRESENTATIVE

Linus J. Dabrila

REVIEWED BY

POST TENSIONING FIELD RECORD		BARKER STEEL LLC								
Customer Name: ARCHETYPE		Project Name: 53 DAN FORTH PORTLAND		Contract Number:						
Area: 2ND FLOOR SLAB		Drawing Number: ME		Strand Size: 1/2"						
Overstressed Gauge Pressure: 5400		Jack Ram Travel _____ inches		Jack Number: 1952						
		Ram Area 628		Sq. In. Load 33,000 lbs						
Location	Mark	Stressing Length	Type	Computed Total Elongation		Actual Elongation				
				Maximum	Minimum	1st	2nd	Total		
LINE K	A			1 1/8	1 1/4		x	3/4	1 1/8	
	B						x	1"		
	2A							x		3/4"
	B							x		3/4
	C							x		3/4
	3A							x		3/4
	B							x		3/4
	C							x		5/8
	4A				2 1/8	3 1/4				2 7/8
	B									2 7/8
	C									2 7/8
	5A				3	3 1/2				3 1/2
	B									3
	C									3 1/2
	6A									3
	B									3
	C									3
	7A				4 1/8	4 5/8				4 1/2
B								4 1/2		
8A								4 1/4		
B								4 1/4		
C								4 1/2		
9A								4 1/2		
B								4 1/4		
C								4 1/2		
10A								4 1/2		
B								4 1/2		
11A				3 7/8	4 1/2			3 7/8		
B								4 1/2		
12A								4 1/4		
B								4 1/2		
C								4 1/2		
13A								4 1/2		
B								4 1/2		
C								4 1/2		

TYPE NOTE: MF denotes ONE end stressing
MM denotes TWO end stressing

Computed By: _____

REMARKS: _____

Date: **12-22-08**

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POST TENSIONING FIELD RECORD				BARKER STEEL LLC				
Customer Name:		Project Name:		Contract Number:				
Area:		Drawing Number:		Strand Size:				
Overstressed Gauge Pressure:		Jack Ram Travel		Inches				
Jack Number:		Ram Area		Sq. In.				
Location	Mark	Stressing Length	Type	Computed Total Elongation		Actual Elongation		
				Maximum	Minimum	1st	2nd	Total
	13A			3 7/8	4 1/2			4
	B							4
	C							3 7/8
	14A							4 1/8
	B							4 5/8
	C							4 3/8
	15A							4 1/8
	B							4
	C							4 1/4
	16A							4 1/8
	B							4
	C							4 1/4
	17A							4
	B							4
	C							4 1/8
	18A							4
	B							4 1/4
	C							4 1/4
	19A							4 1/4
	B							4 3/8
	C							4 1/2
	20A							4 1/4
	B							4 1/4
	C							4 1/8
	21A							4
	B							4
	C							3 7/8
	22A							4 1/8
	B							3 1/8
	23A			6 7/8	7 7/8			7"
	B							7 1/4
	24A							7
	B							7
	C							7 1/8

TYPE NOTE: MF denotes ONE end stressing
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REMARKS:

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13A 21

POST TENSIONING FIELD RECORD				BARKER STEEL LLC				
Customer Name:		Project Name:		Contract Number:				
Area:		Drawing Number:		Strand Size:				
Overstressed Gauge Pressure:		Jack Ram Travel:		Inches				
Jack Number:		Ram Area:		Sq. in.				
Location	Mark	Stressing Length	Type	Computed Total Elongation		Actual Elongation		
				Maximum	Minimum	1st	2nd	Total
11ice k	24A			6 7/8	7 7/8			7
	B							7 1/8
	C							7
	25A							7 3/8
	B							7
	C							7
	26A							7
	B							7 1/8
	27A			2 5/8	3			2 5/8
	B							2 5/8
	28A							2 5/8
	B							2 5/8
	C							2 5/8
	29A			7	8 1/8			7
	B							7 1/4
	30A							7 1/4
	B							7 1/2
	31A			5 3/4	4 5/8			6
	B							6
	C							6 1/8
	D							6 1/8
	32A							6
	B							6
	C							6 1/8
	D							5 7/8
	33A							4
	B							6
	C							6
	D							6
	34A			7 1/8	8 1/4			7 1/4
	B							7 1/4
	35A							7 1/2
	B							7 1/2
	C							7 3/4

TYPE NOTE: MF denotes ONE end stressing
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POST TENSIONING FIELD RECORD				BARKER STEEL LLC				
Customer Name:		Project Name:		Contract Number:				
Area:		Drawing Number:		Strand Size:				
Overstressed Gauge Pressure:		Jack Ram Travel:		Inches				
Jack Number:		Ram Area:		Sq. In.				
Location	Mark	Stressing Length	Type	Computed Total Elongation		Actual Elongation		
				Maximum	Minimum	1st	2nd	Total
Line 1	36A			7 1/8	8 1/4			7 1/4
	B							7 1/4
	C							7 1/2
	37A							7 1/2
	B							7 1/4
	C							7 1/2
	38A							7 1/2
	B							7 1/4
	C							7 3/4
	39A							7 1/4
	B							7 1/2
	C							7 1/2
Line 2	40A							7 1/2
	B							7 3/4
	41A			8 1/2	9 1/8			9 1/8
	B							9 1/8
	C							9 4/8
	42A							9 1/4
	B							9 1/2
	C							9 1/2
	43A				9 3/8	10 1/8		
	B							10 1/4
	C							10
	Line 1	44A						
B								9 3/8
C								10
45A				8 5/4	10			9 1/2
B								9 1/2
C								9 1/4
46A								9
B								9 1/2
C								8 5/4
47A								8
B								9 1/4
C								9 1/4

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POST TENSIONING FIELD RECORD		BARKER STEEL LLC						
Customer Name:		Project Name:			Contract Number:			
Area:		Drawing Number:			Strand Size:			
Overstressed Gauge Pressure:		Jack Ram Travel			Inches			
Jack Number:		Ram Area			Sq. In.			
Location	Mark	Stressing Length	Type	Computed Total Elongation		Actual Elongation		
				Maximum	Minimum	1st	2nd	Total
	48A			8 3/4	10			8 3/4
	B							9
	C							9
	49A							9 1/4
	B							9 1/4
	C							9 1/4
	50A							9 1/4
	B							8 3/4
	C							9 1/4
	51A			9 1/2	10 7/8			9 1/4
	B							9
	C							9 1/4
	52A							9 1/2
	B							9 1/2
	C							9 1/2
	53A							10 1/4
	B							9 3/4
	C							9 1/2
	54A			8 1/2	9 1/4			8 5/8
	B							8 5/8
	55A							9
	B							8 1/2
	C							8 1/4
	56A							8 5/8
	B							8 3/8
	C							8 5/8
	57A							8 1/4
	B							8 5/8
	C							8 1/8
line 2	58A			4 1/8	4 3/4			4 3/8
	B							4 1/4
	C							4 1/8
	59A							4 1/8
	B							4 3/8
	C							4 3/8

← Roman.
* REVIEW
X

TYPE NOTE: MF denotes ONE end stressing
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POST TENSIONING FIELD RECORD				BARKER STEEL LLC				
Customer Name:		Project Name:		Contract Number:				
Area:		Drawing Number:		Strand Size:				
Overstressed Gauge Pressure:		Jack Ram Travel:		Inches				
Jack Number:		Ram Area:		Sq. In.				
Location	Mark	Stressing Length	Type	Computed Total Elongation		Actual Elongation		
				Maximum	Minimum	1st	2nd	Total
	60A			4 1/8	4 3/4			4 3/8
	B							4 1/8
	C							4 1/4
	61A							4 3/8
	B							4 1/2
	62A			1 3/4	2 1/8			1 7/8
	B							1 7/8
	C							1 7/8
	63A							1 7/8
	B							2
	C							2
	64A							2
	B							1 3/4
	C							1 7/8
	65A							2
	B							2
	C							2
	66A							1 7/8
	B							1 7/8
	C							2
	67A							1 7/8
	B							1 5/8
	68A							1 7/8
	B							1 7/8
Line A	69A			3 3/4	4 5/8			4 1/4
	B							4 1/8
	C							4 1/2
Line A	70A							4 1/8
	B							4 1/8
Line 9	71A			1 3/4	2			1 7/8
	B							1 3/4
	72A							1 7/8
	B							1 7/8
	73A							1 3/4
	B							1 7/8
	C							1 7/8

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POST TENSIONING FIELD RECORD		BARKER STEEL LLC						
Customer Name:		Project Name:			Contract Number:			
Area:		Drawing Number:			Strand Size:			
Overstressed Gauge Pressure: _____		Jack Ram Travel _____ inches						
Jack Number: _____		Ram Area _____ Sq. In.						
Location	Mark	Stressing Length	Type	Computed Total Elongation		Actual Elongation		
				Maximum	Minimum	1st	2nd	Total
	74A			1 3/4	2 1/8			17/8
	B							2
	C							1 3/4
	75A							1 3/4
	B							1 3/4
	C						*	1 1/2
	76A						*	1 1/2
	B						*	1 1/2
	C							1 3/4
	77A							1 3/4
	B							1 3/4
	C						*	1 7/8
1.00G-69	78A			1	1 1/4		*	3/4
	B						*	1 1/8
	C						*	3/4
	79A						*	1
	B						*	5/8
	C						*	3/4
	80A							7/8
	B							7/8
	81A			1 3/4	2 1/8			1 3/4
	B							1 3/4
	C							2
	82A							1 3/4
	B							1 3/4
	C							1 3/4
TYPE NOTE: MF denotes ONE and stressing MM denotes TWO and stressing				Computed By:				
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1 3/4
1 3/4
1 7/8
1 1/8
1 1/8
1 1/8
1
3/4
1 1/8

1E401h

* INDICATES TENDONS WERE
RESTRESSED A 2ND TIME UP TO
GAGE PRESSURE 5500psi (34,500lbs)