



REPORT OF STRUCTURAL STEEL INSPECTION

CLIENT: Intercontinental Developers Inc.
Attn: Mr. Richard Libardoni
1270 Soldiers Road
Boston, MA 02135-100

PROJECT: Ocean Gateway Garage
Portland, ME

DATE: February 20, 2008

REPORT #: 07-SIS-117-050

As requested, a site visit was made on this date for continuing inspection of structural steel. We were advised by the contractor that touch-up galvanizing was to begin and screen walls installed. The erector informed us that the lower levels should be complete for a final inspection.

The First and Second levels were inspected. This included moment connections, vectors, bolted connections, DT to beam welds, DT to DT welds and re-inspection of previously noted discrepancies. Remaining First floor moment connections were also tested.

All work was found to be acceptable with the exception of discrepancies noted on the enclosed punchlist (copy provided to contractor and erector). Corrective work had been performed where shop installed vectors are at the incorrect elevation. A sketch of this work is enclosed.

We noted no discrepancies which would prevent installation of screen walls. However, it would be much easier to correct perimeter discrepancies prior to installation.

Inspector; Neal J White



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REPORT #: 07-SIS-117-051

Inspected First level (ref. dwg S1.02) and Second level (ref. dwg. S1.03). This includes DT to beam, vector connections, moment connections, bolted connections and recessed DT to DT connections.

All work is acceptable with the following exceptions:

First floor

- Vector not welded near D1.9
- At recessed area near stair line A.2 vectors were shop installed at wrong elevation. I don't know if the corrective work is acceptable. I will submit a sketch with my report for the engineer to review. This occurs at all levels.
- Cut out and repair moment connection as marked at E2.1 bottom flange.
- Add 5/16 reinf. fillet at F2.1
- Misaligned vectors near A.5/2.1

Second floor

- Misaligned vectors; near A1, C2.1,
- Vectors not welded; near G1, F1.9, B.5/2.5 Also; erector should re-inspect entire area from F.5 to H between 2.1 and 3. There are at least six vectors that are not welded and one with unacceptable weld (marked red).
- DT's not welded to beam line 2.1 from G to H and adjacent to F3.
- Loose or missing bolts; F3, E3, D3 Note: at D3 bolts have ends snapped but nuts are loose.
- Add 5/16 reinf. fillet; F1.9, and top of flanges C3, D3, F3
- Cut out and repair bottom flange of moment connections as marked F1.9.
- Vectors shop installed at wrong elevation near line A.2 stair (see comments for First floor).

Note: Some locations are approximate. Also, rejected weld at F1.9 appears to be on First floor but is actually shown on Second floor plan. Any questions please call.

Neal White

ULTRASONIC TEST REPORT

Date: February 20, 2007

Report: 07-SIS-117-052

Client: John Turner Consulting, Inc.

Transducer: 70 degree 2.25 Mhz

Project: Ocean Gateway Parking Garage

Ultrasonic Unit: KB USN50

Address: Portland, ME

Test Method Standard: AWS D1.1

Fabricator: Cives Steel Company

Acceptance Standard: AWS D1.1

Description of Joint: Tee

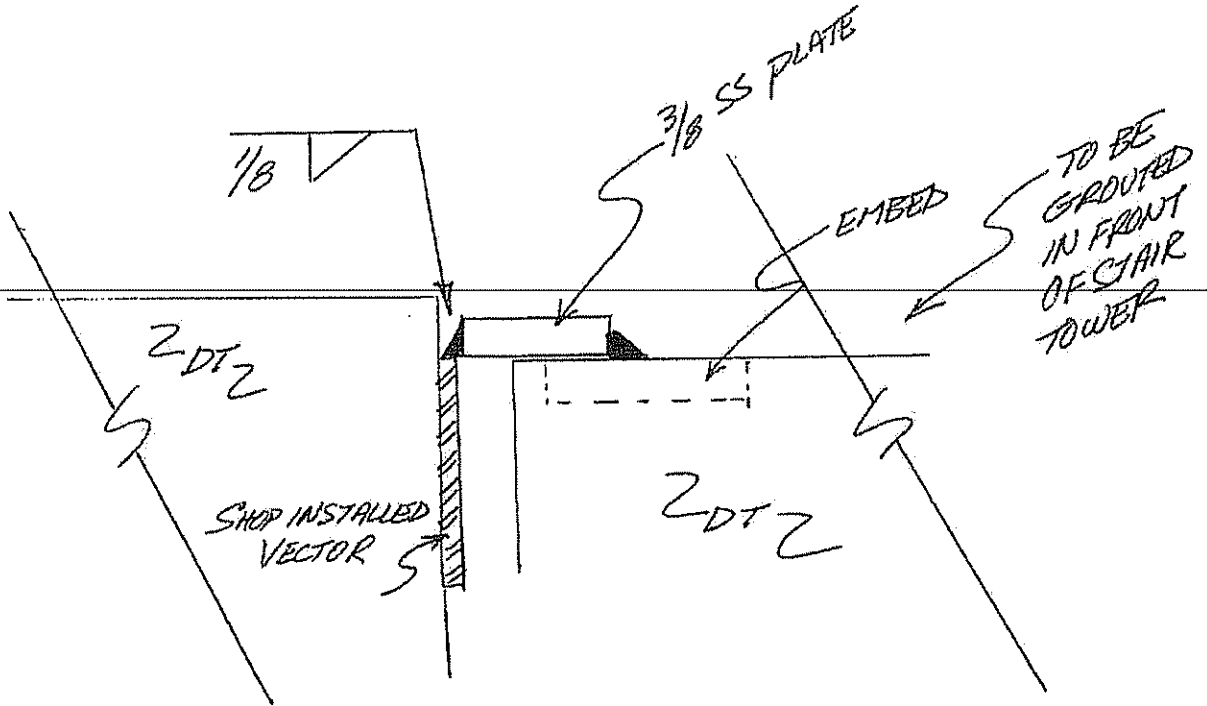
Material: A992

Weld Identification	Acceptable	Rejectable	Transducer Angle	From Face	Leg 1-2-3	Decibels				Defect			Distance		
						Indication Level A	Reference Level B	Attenuation Level C	Indication D	Length	Angular Distance (sound path)	Depth from "A" surface	"X"	"Y"	
Moment conn.s															
Second level	X														
C3E BF retest	X		70	A	1-3		50								
D2.1W BF retest	X														
First level															
C3 TF, BF	X														
C2.1 BF retest	X														
C1 TF, BF	X														

Remarks: Moment connection discrepancies reported 12/27 have been corrected.
 Discrepancy at C2.1 reported 1/24 has been corrected.

Technician: Neal White Level: II

OCEAN GATEWAY 2/20/08



TYPICAL DETAIL DT TO DT CONNECTION NEAR LINE A-2
OCCURS TWO LOCATIONS EACH LEVEL

Project: Ocean Gateway
Date: February 4, 2008
Subject: Discrepancy Punchlist

Inspected partial roof and roof (see dwg. S1.07). Inspected Fifth level south half only 2.1 to 3 from A to H (see dwg. S1.06). Unless noted this includes DT to beam, vector connections, moment connections, bolted connections and recessed DT to DT connections.

All work is acceptable with the following exceptions:

Partial roof

- Vector not welded F to G near 1.9
- Tighten HSS bumper bolts

Roof

- Misaligned vectors; E to F near 2.1, 1 to 1.9 near A, D to E near 1.9
- Vectors not welded; G to H from 2.1 to 2.3, C to D near 2.1, C2.1 to 2.7 (1/2 welded)
- Slag not removed from vector welds approx. A to C from 2.1 to 3.
- Loose or missing bolts; A.2/3, A.2/2.7, C2.1, C1.9, E1.9, C1, D1, HSS bumper
- Add 5/16 reinf. fillet; E1 (top of BF), D1.9 (top of BF)
- Welding of DT to DT is in progress at recessed areas.

Fifth floor

- 3 vectors have unacceptable welds under tent 2.3 to 2.9 (previously marked red).
- Misaligned vectors; E to F near 2.1, B to C near 2.1, C to D near 2.1
- Missing vector weld D to E near 3
- Welding of DT to DT is in progress at west recessed area. Welds are acceptable at east recessed area.
- Did not inspect bolted connections.

Also please address the situation where incorrect electrodes were used for welding DT to DT at lower level.

I have put this list together as upper levels may get covered with snow. Any questions please call.

Neal White



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CLIENT: Intercontinental Developers Inc.
Attn: Mr. Richard Libardoni
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PROJECT: Ocean Gateway Garage
Portland, ME

DATE: June 19, 2008

REPORT #: 07-SIS-117-080

As requested, a site visit was made on this date to conduct a final inspection of structural steel framing.

All outstanding discrepancies were corrected and re-inspected.

This completes structural steel inspection on this project. Inspections were conducted in accordance with the Statement of Special Inspections and verbal directive from the Structural Engineer.

All work inspected conforms to contract documents and is acceptable.

Inspector; Neal J White



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CLIENT: Intercontinental Developers Inc.
Attn: Mr. Richard Libardoni
1270 Soldiers Road
Boston, MA 02135-100

PROJECT: Ocean Gateway Garage
Portland, ME

DATE: March 11, 2008

REPORT #: 07-SIS-117-059

As requested, a site visit was made on this date to conduct a final inspection of the structural steel in the parking structure. We were advised by the Erector that all outstanding items had been corrected.

Using the discrepancy punchlists of 2/4 and 2/20 we re-inspected all items. We noted that some discrepancies had been corrected however many had not. We also began a final inspection of Third and Fourth levels and found discrepancies had not been corrected (these were marked on steel or verbally reported to ironworkers and are not on punchlists).

We requested that Erector conduct a final inspection of all levels prior to our return (see contract specifications requiring erector to provide site quality control).

A copy of the revised punchlist is enclosed.

At this time we have not inspected stair, miscellaneous steel or retail shops.

Inspector; Neal J White



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PROJECT: Ocean Gateway Garage
Portland, ME

DATE: March 11, 2008

REPORT #: 07-SIS-117-059A Pg 1 of 2

This should be a complete list of outstanding discrepancies. Please note the following:

- This is for structural work on the garage only. Miscellaneous work, retail shop and stair have not been inspected.
- Third and Fourth levels have not had a final inspection of corrective work, DT to beam welds and bolted connections. I began the inspection but noted discrepancies had not been corrected.
- All vectors have been inspected.
- Waiting for engineers approval of repaired DT to DT connection (sketch enclosed in previous report)

Partial roof

- Vector not welded F to G near 1.9

Roof

- Correct all misaligned vectors per approved procedure.
- Vector not welded C to D near 2.1, C2.1 to 2.7 (1/2 welded).
- Slag not removed from vector welds approx. A to C from 2.1 to 3.
- Add 5/15 reinf. fillet D1.9 (top of BF).

Fifth floor

- Correct all misaligned vectors per approved procedure.
- Missing vector weld D to E near 3.
- Were three unacceptable vectors corrected from 2.3 to 2.9 near line G? These are presently full of mortar.

Fourth floor (See comments above. A full final inspection was not conducted)

- Correct all misaligned vectors per approved procedure.
- Vector weld missing D2.1
- Repair previously rejected vector G to H near 1 (painted red)
- Correct any moment connections where a 5/16" reinf. is still required.

Third floor (See comments above. A full final inspection was not conducted).

- Correct misaligned vectors per approved procedure.
- Vector not welded E2.3
- At least two DT not welded to beam on line 3 from F to G (marked with white "W")
- It appears that 5/16 reinf. has not been added as previously marked on column (I accessed two locations on line 3 which had been marked and corrections had not been made).

Second floor

- Correct misaligned vectors per approved procedure.
- Vector not welded B.5/2.5
- DT's not welded to beam line 2.1 from G to H and F3 (I could not re-inspect F3 as masons tent was in the way).
- Loose or missing bolts F3, E3, D3 Note: at D3 bolts have been snapped but nuts are loose.
- Add 5/16 reinf. fillet F1.9 and top of flanges C3, D3, F3 (I could not re-inspect line 3 as masons tent was in the way).
- Cut out and repair bottom flange of moment connection as marked at F1.9.

First floor

- Correct misaligned vector per approved procedure.
- Cut out and repair moment connection as marked at E2.1 bottom flange.
- Add 5/16 reinf. fillet at F2.1.

Column splice

- Weld splice at A1

Note: None of these discrepancies are new. All have been previously marked and brought to Ironworkers attention and/or noted on previous discrepancy lists.