

2111 Pacific, Suite 100 Tacoma, Washington 98402

CHANGE ORDER

Project: Woodland High School Project No.: 1119.00-12
 Architect: McGranahan Architects Change Order No.: 3
 Contractor: Skanska USA Building, Inc. Date: March 12, 2014

Per the General Conditions of the Contract for Construction, this change order shall constitute full settlement for all known, estimated or foreseeable costs and time adjustments, including all delay and impact costs and direct and indirect damages, including consequential damages, regardless of cause, related to this change.

Plans and/or Specifications shall be changed as follows (refer to attachments for back-up information):

Reference	Amount
CCD 004 Add Bentonite Under Elevator Pit	\$1,199.00
CCD 008 COP 011 4" CMU at Veneer Starter Course	(\$4,113.00)
COP 003 Delta 4 Changes	(\$3,426.00)
COP 004 PUD Service Changes	\$0.00
COP 008 Change Extent of Perforated Roof Deck	\$0.00
COP 012 Change Door 1401CB	(\$2,326.00)
COP 014 Change Cross-Vent Blocking to 1 1/2" Thick	\$4,976.00
COP 015 Change Plumbing at Culinary Arts Hand Sinks	(\$611.00)
COR 022 Nutter Geogrid Costs	\$6,512.00
COR 023 Delete 10 Dilution Tanks	(\$1,143.00)
COR 027 RFI#52 Roof Drain Connection	\$4,711.00
COR 032 RFI#67 1/8" Slope for Plumbing	(\$1,736.00)
COR 034 Detailing Costs for Bent Plate at Canopy	\$2,346.00
COR 035 Change Duct Routing at Hoist Beam RFI#093	\$1,356.00
COR 040 Oil Water Separator Elevation	\$4,411.00
Total Change Order amount	Add \$12,156.00

Original Contract Amount: \$43,538,000.00 Original Date of Substantial Completion: July 6, 2015
 Previously Authorized Change Orders: \$24,107.92 Previously Authorized Change Orders: _____
 Current Contract Amount: \$43,562,107.92 Current Date of Substantial Completion: _____
 The Contract Time Will be : _____
 Contract Amount will be: Increased / Decreased / Unchanged by 0 Calendar Days.
 by this Change Order in the amount of: \$12,156.00
 The Revised Contract Amount as a result of this Change Order therefor is: \$43,574,263.92
 The date of Substantial Completion as a result of this Change Order, therefore, is: July 6, 2015

APPROVALS:

 Architect: McGranahan Architects Date: March 13, 2014


 Woodland Public Schools Date: 3-18-14


 Contractor: Skanska Date: 3-18-2014



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 024

Date: 1/30/2014

To: Steve Broback
McGranahan Architects
2111 Pacific Avenue, Suite 100
Tacoma, WA 98402

From: Trevor Wyckoff
Skanska USA Building Inc.
222 SW Columbia Street, Suite 300
Portland, OR 97201

Description	Category	Status
CCD#004 - Elevator Pit Waterproofing		Submitted

Reference	Required By	Days Req	Amt Req
	2/6/2014	0 \$	1,199

Notes

This Change Order Request is for the additional costs to supply and install bentonite waterproofing on the underside of the elevator pit slab in accordance with CCD#004 dated 1/29/2014.

CE No	Date	Reference	Amt Prop	Days Req	Category	Reason


Description	Notes
0059	1/30/2014
CCD#004 - Elevator Pit Waterproofing	\$ 1,199 0 Owner

Item No	Item Description	Amt Prop	Reference
0001	Added Bentonite Under the Elevator Pit Slab	\$ 1,100	
0003	GC/CM Bond	\$ 11	
0004	Subcontractor Subguard Bond	\$ 11	
0005	Skanska Fee	\$ 66	
0006	General Liability Insurance	\$ 11	

Submitted By:

Signature

Name


Trevor Wyckoff

Date

3-5-2014

2111 Pacific, Suite 100 Tacoma, Washington 98402

CONSTRUCTION CHANGE DIRECTIVE: 004

Woodland High School

Date: 1/28/2014

Revised:

To: Skanska

CONTRACT MODIFICATION:

In order to expedite the Work and avoid delays, the Contractor is hereby directed to make the following change(s) in this Contract:

1. In addition to the bentonite waterproofing shown at the sides of the elevator pit, install bentonite waterproofing under the pit and sump as well.
2. Install per manufacturer's requirements and in compliance with warranty requirements.
3. Lap under-slab bentonite over vertical bentonite per the manufacturer's requirements.
4. Protect bentonite placed in excavations from becoming water saturated.

Reference: Section 07 17 13

Attachments: None

PROPOSED CONTRACT ADJUSTMENTS:

The Contract Sum or Guaranteed Maximum Price will be adjusted on following basis:

- Lump Sum (increase) (decrease) of: \$ 1,199
- As provided in Article 7 of the General Conditions or,
- As follows: Time and Materials:

The Contract Time will:

- Remain unchanged;
- (increase) (decrease) by days or;
- be adjusted as provided in Article 8 of the General Conditions.

When issued by the Architect and approved by the Owner, this document shall serve as authorization to proceed with the Work as described above. The Contractor shall proceed IMMEDIATELY. When the actual adjustments to the Contract Sum and/or Contract Time are agreed to by the Architect, Owner and Contractor, this Work shall be added to the Contract by Change Order.

Issued By:  _____
 McGranahan Architects

Date: 1/28/2014 _____

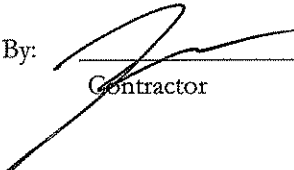
Approved By: _____
 Woodland School District No. 404

Date: _____

2111 Pacific, Suite 100 Tacoma, Washington 98402

Date: 29 January, 2014
To: Skanska

*Signature below indicates the Contractor's acknowledgement of the direction to proceed with the Work immediately.
The Contractor (agrees) (disagrees) with the proposed method of adjustment in the Contract Sum and Contract Time.*

Accepted By:  _____
Contractor

Date: 3-5-2014

2111 Pacific, Suite 100 Tacoma, Washington 98402

CONSTRUCTION CHANGE DIRECTIVE: 004

Woodland High School

Date: 1/28/2014

Revised:

To: Skanska

CONTRACT MODIFICATION:

In order to expedite the Work and avoid delays, the Contractor is hereby directed to make the following change(s) in this Contract:

1. In addition to the bentonite waterproofing shown at the sides of the elevator pit, install bentonite waterproofing under the pit and sump as well.
2. Install per manufacturer's requirements and in compliance with warranty requirements.
3. Lap under-slab bentonite over vertical bentonite per the manufacturer's requirements.
4. Protect bentonite placed in excavations from becoming water saturated.

Reference: Section 07 17 13

Attachments: None

PROPOSED CONTRACT ADJUSTMENTS:

The Contract Sum or Guaranteed Maximum Price will be adjusted on following basis:

- Lump Sum (increase) (decrease) of: ~~\$241,08~~ \$1,189.00 2/14/2014
- As provided in Article 7 of the General Conditions or,
- As follows: Time and Materials:

The Contract Time will:

- Remain unchanged;
- (increase) (decrease) by days or;
- be adjusted as provided in Article 8 of the General Conditions.

When issued by the Architect and approved by the Owner, this document shall serve as authorization to proceed with the Work as described above. The Contractor shall proceed IMMEDIATELY. When the actual adjustments to the Contract Sum and/or Contract Time are agreed to by the Architect, Owner and Contractor, this Work shall be added to the Contract by Change Order.

Issued By: _____
McGranahan Architects

Date: 1/28/2014

Approved By: _____
Woodland School District No. 404

Date: January 29, 2014

McGRANAHAN architects

253
383 3084
253
383 3097

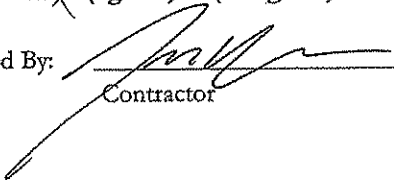
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F

2111 Pacific, Suite 100 Tacoma, Washington 98402

Date: 29 January, 2014
To: Skanska

*Signature below indicates the Contractor's acknowledgement of the direction to proceed with the Work immediately.
The Contractor (agrees) (disagrees) with the proposed method of adjustment in the Contract Sum and Contract Time.*

Accepted By:


Contractor

Date:

1/30/2014



Change Order Request

Skanska USA Building Inc.
4113074-000 - Woodland High School

4113074-000 Woodland High School
Change Order Request: 024 Date: 1/30/2014

To: Michael Green
Woodland School District No. 404
800 Third Street
Woodland, WA 98674

From: Trevor Wyckoff
Skanska USA Building Inc.
222 SW Columbia Street, Suite 300
Portland, OR 97201
Tel: Fax:

Description **Status**

CCD#004 - Elevator Pit Waterproofing Submitted

Reference **Required By** **Amt Req** **Days Req**

2/6/2014 \$ 2,411.08 0

Notes

This Change Order Request is for the additional costs to supply and install bentonite waterproofing on the underside of the elevator pit slab in accordance with CCD#004 dated 1/29/2014. The costs for the change include the costs for the waterproofing as well as the cost for an out of sequence concrete pump. Skanska had initially planned to pour the slab for the elevator pit on Tuesday the 4th along with foundations. This would have allowed Skanska to use the same pump. Now, however, it may not be possible to have the bentontine installed prior to the pour, which would require us to have a separate pour causing us to pay for a separate mobilization for the concrete pump. The cost for the additional pump are included within the Change Order Request. If Skanska can coordinate the pouring of the pit slab with the foundation, then the additional pump cost could be credited as it would be unnecessary.

CI No **Date** **Description** **CI Category** **Days Req**

0059 1/30/2014 CCD#004 - Elevator Pit Waterproofing Owner 0

Item No **Company** **Item Description** **Amt Prop**

0001	Sawtooth Caulking	Added Bentonite Under the Elevator Pit Slab	\$1,100.00
	Skanska USA Building Inc.	Additional Concrete Pump for Out of Sequence Pour	\$1,130.00
0003		GC/CM Bond	\$22.30 11
0004		Subcontractor Subguard Bond	\$22.30 11
0005		Skanska Fee	\$136.48 07

Total: \$2,411.08

\$1,189 TW

Submitted By:	Architect/Design Approval By:	Owner Approval By:
Signature	Signature	Signature
Name Trevor Wyckoff	Name	Name
Date	Date	Date

Sawtooth Caulking Change Order Breakdown

Project: Woodland HS

Date: 1/30/2014

General Contractor : Skanska

Description: Add WP under the elevator pit slab

RFI: 68

LABOR COSTS

*Costs based on journeyman workers.

<u>7</u> Hrs.	WP Rate	\$47.00	<u>\$329.00</u>
			<u>\$0.00</u>
			<u>\$0.00</u>
			<u>\$0.00</u>
			<u>\$0.00</u>
			<u>\$0.00</u>
			<u>\$0.00</u>
			<u>\$0.00</u>
		Labor Subtotal	<u>\$47.00</u>
		Labor Markup	<u>\$7.05</u>
		Total Labor Rate	<u>\$54.05</u>
			<u>\$329.00</u>
			<u>\$49.35</u>
			<u>\$378.35</u>

MATERIAL COSTS

a. material costs	<u>\$545.00</u>		
b. freight costs (itemized)	<u>\$0.00</u>		
c. markup of 10%	<u>\$54.50</u>		
		2. Material Costs	<u>\$599.50</u>

EQUIPMENT COSTS

a. boomlift/scissor lift	<u>\$0.00</u>		
b. mobilization cost	<u>\$75.00</u>		
c. tools and small equipment	<u>\$36.00</u>		
d. markup of 10%	<u>\$11.10</u>		
		3. Equipment Costs	<u>\$122.10</u>

TOTAL COST (1 thru 3):	\$1,100
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Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 038 Date: 2/23/2014

To: Steve Broback McGranahan Architects 2111 Pacific Avenue, Suite 100 Tacoma, WA 98402	From: Trevor Wyckoff Skanska USA Building Inc. 222 SW Columbia Street, Suite 300 Portland, OR 97201
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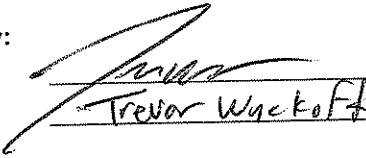
Description	Category	Status
COP#011 - Brick Veneer Revision (Including RFI#110)		Submitted

Reference	Required By	Days Req	Amt Req
	3/2/2014	0(\$	4,113)

Notes
 This Change Order Request is for the credit to eliminate the 6" cmu veneer and cmu footing dowels and utilize a 4" cmu veneer and veneer ties in accordance with COP#011. This would eliminate the rebar dowel for the cmu veneer at these locations.

CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
Description		Notes				
0075	2/20/2014		(\$ 4,113)	0		
COP#011 - Brick Veneer Revision						

Item No	Item Description	Amt Prop	Reference
0001	Utilize 4" veneer in lieu of 6" veneer - B&B	(\$ 2,685)	
0002	Eliminate rebar dowels - R2M2	(\$ 1,552)	
0003	Cut Off Existing Dowels - Skanska Concrete	\$ 244	
0004	General Liability Insurance	(\$ 40)	
0005	GC P&P Bond	(\$ 40)	
0006	Subcontractor Subguard Bond	(\$ 40)	

Submitted By: _____
 Signature:  _____
 Name: Trevor Wyckoff _____
 Date: 3-7-2014 _____

2111 Pacific, Suite 100 Tacoma, Washington 98402

CHANGE ORDER PROPOSAL: 011

Woodland High School
Date: February 19, 2014
To: Trevor Wyckoff, Skanska

PROPOSED CONTRACT MODIFICATION:

Please submit an itemized proposal for changes in the Contract Time and Contract Sum for the following proposed modifications to the Contract Documents (This document is not a Change Order, Field Authorization or direction to proceed with the work described herein):

- 1. Provide 4" CMU for the below grade veneer starter courses in lieu of the 6" CMU shown.

Reference: 1&12/S9.2; 2,3&11/ S9.3; A5.11

Attachments: None

PROPOSED CONTRACT ADJUSTMENTS:

The proposed change to the Contract Sum or Guaranteed Maximum Price for all work described above is:

- (increase) (decrease) of \$ 4,113 (Washington State Sales Tax not included) or,
- The Contract Sum shall remain unchanged.

The proposed change to the Contract Time for all work described above is:

- (increase) (decrease) of _____ days or;
- The Contract Time will remain unchanged.

The foregoing amount includes all direct and indirect costs for material, labor and supplies related to this change and to the effect of this change on the remainder of the Project. All other provisions of the Contract remain in full force and effect. The Contractor agrees to be bound by this proposal for ninety (90) days after this date.

Submitted by: [Signature]
General Contractor

Date: 3-7-2014

We have examined the foregoing proposal, negotiated with the Contractor where necessary, and find it to be reasonable.

Approved By: _____
McGranahan Architects

Date: _____

The Owner hereby accepts the foregoing proposal. This document when fully signed constitutes the conditions upon which a Change Order will be issued.

Accepted By: _____
Woodland School District No. 404

Date: _____



COP Subcontractor Breakdown Summary

PROJECT NAME: Woodland High School

R2M2 C/O No. 5

Project No. 13-118

Date: 3/3/2014

GENERAL CONTRACTOR: Skanska

EMAILED / FAXED TO: Franke, David (David.Franke@skanska.com)

SUBCONTRACTOR: R2M2 Rebar & Stressing, Inc.

SUBMITTED BY: Dylan

1. CRAFT LABOR COSTS

- a. craft labor costs from breakdown *Carried over from Breakdown
DIRECT LABOR SUBTOTAL
- b. travel (if applicable, itemize)

Cost
-\$1,552.34
-\$1,552.34
\$0.00
1. CRAFT LABOR COSTS -\$1,552.34

2. MATERIALS COSTS

- a. material costs
- b. freight costs (itemize)
- c. placing accessories, small tools and safety items

\$0.00
\$0.00
\$0.00
2. MATERIAL COSTS \$0.00

3. EQUIPMENT COSTS

- a. owned equipment (per spec approved source)
- b. rental equipment (per invoices attached)

\$0.00
\$0.00
3. EQUIPMENT COSTS \$0.00

4. OVERHEAD & PROFIT

- a. NTE 15% portion of 1,2,3, & 4

SUBTOTAL 1,2 & 3 -\$1,552.34
4. OVERHEAD & PROFIT \$0.00

TOTAL COST 1 THRU 4 -\$1,552.00

COP Cost Breakdown

Division	Description	Quantity	Unit	Ironworker		Material		Equipment	
				Unit	Cost	Unit	Costs	Unit	Costs
3200	Ironworker	-18.5	m/h	\$83.91	-\$1,552.34				
	Ironworker (OT)		m/h	\$113.25	\$0.00				
	Ironworkers (DT)		m/h	\$142.49	\$0.00				
	Ironworker OT Premium		m/h	\$29.34	\$0.00				
	Material:								
	Detailing/Cost Assesment		hr			\$65.00	\$0.00		
	Rebar		lbs			\$0.65	\$0.00		
	Placing Accessories, Sma	0	hr			\$11.04	\$0.00		
	Freight					\$0.00	\$0.00		
	Equipment:								
								\$0.00	\$0.00
								\$0.00	\$0.00
								\$0.00	\$0.00
	Total Cost of Work				-\$1,552.34		\$0.00		\$0.00

Description of work

RFI#110; labor deduct for removal of cmu footing dowels per 1/S9.2.

SKANSKA

CHANGE ORDER REQUEST

COR#038- COP#0111 Brick Veneer Revisions

Description	Rate (\$)		Labor (hrs)		Labor (\$)	Material (\$)	Equip (\$)	Total (\$)
	Regular Rate	Overtime Rate	Regular Rate	Overtime Rate				
Labor								
Set/Strip								
Foreman (Working Carp)	\$ 77.00	\$107.80	0	0	\$ -			\$ -
Layout Foreman	\$ 82.00	\$114.80	0	0	\$ -			\$ -
Journeyman Carpenter	\$ 68.00	\$ 95.20	0	0	\$ -			\$ -
Foreman (Working Laborer)	\$ 63.00	\$ 88.20	0	0	\$ -			\$ -
Laborer	\$ 53.00	\$ 74.20	4	0	\$ 212			\$ 212
	Rate		Quantity		Labor (\$)	Material (\$)	Equip (\$)	Total (\$)
Material								
Other								
subtotals				0	\$ 212	\$ -	\$ -	\$ 212

Mark Up (15%) \$ 32

Totals \$ 244



Attention: Trevor/David
Firm: Skanska

Order Date: 3/7/14
Work Date: TBD

Project: Woodland High School
RE: COP #11 - Change All Exterior 6" CMU to 4" CMU

CHANGE ORDER REQUEST

Labor	Hours	Rate	Sub-Total
Foreman:			
	-10	\$68.61	-\$686.10
Bricklayers:			
	-8	\$64.34	-\$514.72
	-8	\$64.34	-\$514.72
Hodcarriers:			
	-8	\$53.38	-\$427.04
	0	\$53.38	\$0.00
Apprentice:			
	-8	\$51.82	-\$414.56
Material & Equipment	Quantity	Cost	Sub-Total
6x8x16 Smooth Mesa Buff CMU	-850	\$2.18	-\$1,853.00
6x8x16 Ground Mesa Buff CMU	-483	\$3.03	-\$1,463.49
6x4x16 Smooth Mesa Buff Half-High CMU	-850	\$2.18	-\$1,853.00
6x4x16 Ground Mesa Buff Half High CMU	-483	\$3.28	-\$1,584.24
Grout (Cubic Yard)	-22	\$125.00	-\$2,750.00
Mortar (bags)	0	\$5.65	\$0.00
4x4x16 Smooth Mesa Buff Half-High CMU	850	\$1.65	\$1,402.50
4x4x16 Smooth Mesa Buff Half-High CMU	483	\$3.15	\$1,521.45
4x8x16 Smooth Mesa Buff CMU	850	\$1.65	\$1,402.50
4x8x16 Ground Mesa Buff CMU	483	\$2.90	\$1,400.70
HDG Veneer Ties & Wire at changed 4" Veneer	890	\$4.10	\$3,649.00
		Sub-Total:	-\$2,684.72
		Bond Increase:	\$0.00
		10% Overhead:	\$0.00
		5% Profit:	\$0.00
		TOTAL:	-\$2,685

Note(s):

COP #11 Is the result of changing all exterior 6" Veneer CMU to 4" Veneer CMU. This results in grout reduction but also in ties/wire adding. But it does make for faster install per unit and makes a large labor reduction.

Duration of this project will now require this many extra days:		0
B&B Tile and Masonry, Corp.	Date: 2/27/14	GC: _____ Date: _____
Nathan Storey	Acknowledged by: _____	
*** Change order work will only be completed once change order has been accepted and signed by a General Contractor representative.***		
*** Change order work is subject to rescheduling by B&B independent of main project schedule.***		

Wyckoff, Trevor

From: B&B Tile and Masonry <BBTM@brickandblock.net>
Sent: Friday, March 07, 2014 8:44 AM
To: Wyckoff, Trevor
Subject: Re: WHS RFI#110 - Dowels for Masonry Veneer Starter Course
Attachments: B&B - Woodland HS COR - COP11 Revised Sheet1.pdf

Hi Trevor,

Please see revised COR for COP#11

I've revised the grout quantity to what David has calculated. We don't necessarily agree with that quantity in our field and estimating experience. All our calculations for solid grout in 6" CMU is 140 SqFt of CMU to 1 CuYd of masonry grout. Please consider this in the future.

But for now we very badly need to order veneer CMU in order to make schedule immediately. Please let us know which direction we are taking ASAP.

Thank you,
Nathan Storey
B&B Tile and Masonry Corp.
360-944-9873

On Mar 6, 2014, at 5:30 PM, Wyckoff, Trevor <Trevor.Wyckoff@skanska.com> wrote:

Nathan,
Does this make sense to you? They are calculating a credit of 22CY because of the bond beam. Please let me know.

Trevor Wyckoff
Sr. Project Manager
Skanska USA Building
Operations
www.skanska.com
222 SW Columbia Street, Suite 300
Portland, OR 97201, United States
Direct +1 503 382 0916
Main +1 503 382 0900
Mobile +1 503 320 4633

From: David Aronson [<mailto:davida@kramer-gehlen.com>]
Sent: Wednesday, March 05, 2014 3:49 PM
To: Wyckoff, Trevor; Steve Broback
Subject: RE: WHS RFI#110 - Dowels for Masonry Veneer Starter Course

I know why we are off. The table you are using does not assume a bond beam for area of grout. The footnotes at the bottom of the table give it away. The top course of block being removed is a continuous bond beam course.

I am using is NCMA TEK 14-1A. The table gives section properties for block, no grout, solid grout, grout at 16" oc...etc. So the determination of voided area was based on the different in area between a solid grouted block and a block with no grout.

--David

From: Wyckoff, Trevor [<mailto:Trevor.Wyckoff@skanska.com>]
Sent: Wednesday, March 05, 2014 3:04 PM
To: Steve Broback
Cc: David Aronson
Subject: RE: WHS RFI#110 - Dowels for Masonry Veneer Starter Course

<http://www.masonryinstitute.org/pdf/309.pdf>

Here is a link to the calculator. This shows for a 6" block, in a 100SF area, to calculate .93CY. If B&B's 1777 is accurate, then $1777/100 = 17.77 * .93 = 16.53\text{CY}$.

I'll double check the LF with them.

Trevor Wyckoff
Sr. Project Manager
Skanska USA Building
Operations
www.skanska.com
222 SW Columbia Street, Suite 300
Portland, OR 97201, United States
Direct +1 503 382 0916
Main +1 503 382 0900
Mobile +1 503 320 4633

From: Steve Broback [<mailto:steve.broback@mcgranahan.com>]
Sent: Wednesday, March 05, 2014 2:55 PM
To: Wyckoff, Trevor
Cc: David Aronson
Subject: RE: WHS RFI#110 - Dowels for Masonry Veneer Starter Course

Sounds good Trevor.

Steve Broback
Associate
<image001.jpg>
2111 Pacific Avenue, Suite 100 Tacoma, WA 98402
T: 253.383.3084
F: 253.383.3097
www.mcgranahan.com

From: Wyckoff, Trevor [<mailto:Trevor.Wyckoff@skanska.com>]
Sent: Wednesday, March 05, 2014 2:46 PM
To: David Aronson
Cc: Steve Broback
Subject: RE: WHS RFI#110 - Dowels for Masonry Veneer Starter Course

Ok, so there are two differences. One is that David has 2,000LF and B&B included 1,777LF. The other is that David figures 1CY grout = 90SF and Mutual Materials calculates 1CY=114SF.

We can solve this easily, I think. If Mutual Materials sends me their calculation of grout in that block, will that work on the CY? I can review the LF with B&B and we can confirm theirs or Davids.

Sound ok?

Trevor Wyckoff
Sr. Project Manager
Skanska USA Building
Operations
www.skanska.com
222 SW Columbia Street, Suite 300
Portland, OR 97201, United States
Direct +1 503 382 0916
Main +1 503 382 0900
Mobile +1 503 320 4633

From: David Aronson [<mailto:davida@kramer-gehlen.com>]
Sent: Wednesday, March 05, 2014 2:31 PM
To: Wyckoff, Trevor
Cc: Steve Broback
Subject: RE: WHS RFI#110 - Dowels for Masonry Veneer Starter Course

Trevor,

See attachment for my calc's on the grout.

--David

From: Steve Broback [<mailto:steve.broback@mcgranahan.com>]
Sent: Wednesday, March 05, 2014 2:17 PM
To: David Aronson
Subject: FW: WHS RFI#110 - Dowels for Masonry Veneer Starter Course

David - Could you chat with Trevor about the grout?
Steve

Steve Broback
Associate
<image001.jpg>
2111 Pacific Avenue, Suite 100 Tacoma, WA 98402
T: 253.383.3084
F: 253.383.3097
www.mcgranahan.com

From: Wyckoff, Trevor [<mailto:Trevor.Wyckoff@skanska.com>]
Sent: Wednesday, March 05, 2014 1:43 PM
To: Steve Broback
Cc: Kelley Wilson; Jensen, Brandon; Franke, David
Subject: RE: WHS RFI#110 - Dowels for Masonry Veneer Starter Course

I think he and I just need to compare how the grout quantity was calculated. If it is a difference in the SF of CMU or if it is a difference in the volume that fits in the block.

Trevor Wyckoff
Sr. Project Manager
Skanska USA Building
Operations
www.skanska.com
222 SW Columbia Street, Suite 300
Portland, OR 97201, United States
Direct +1 503 382 0916
Main +1 503 382 0900
Mobile +1 503 320 4633

From: Steve Broback [<mailto:steve.broback@mcgranahan.com>]
Sent: Wednesday, March 05, 2014 1:26 PM
To: Wyckoff, Trevor
Cc: Kelley Wilson; Jensen, Brandon; Franke, David
Subject: FW: WHS RFI#110 - Dowels for Masonry Veneer Starter Course

Trevor - See below from David. Do you agree?
Steve

Steve Broback
Associate
<[image001.jpg](#)>
2111 Pacific Avenue, Suite 100 Tacoma, WA 98402
T: 253.383.3084
F: 253.383.3097
www.mcgranahan.com

From: David Aronson [<mailto:davida@kramer-gehlen.com>]
Sent: Wednesday, March 05, 2014 1:24 PM
To: Steve Broback
Cc: Ryan Musgrove
Subject: RE: WHS RFI#110 - Dowels for Masonry Veneer Starter Course

I went back through my number again and found a couple of corrections.

The grout height I used was 18" instead of 12" in my back of envelop calculations so the updated volume of grout I get is 22 cu yds based on a 12" height.

Trevor's length for the reinforcing bar dowel is correct provided that the dowel length was based on the typical footing depth. So the 1600 lbs is agreed.

--David

From: Steve Broback [<mailto:steve.broback@mcgranahan.com>]
Sent: Wednesday, March 05, 2014 11:40 AM
To: David Aronson
Subject: FW: WHS RFI#110 - Dowels for Masonry Veneer Starter Course

David - Could you please look at Trevor's response? I will review as well.
Thanks,
Steve

Steve Broback
Associate
<image001.jpg>
2111 Pacific Avenue, Suite 100 Tacoma, WA 98402
T: 253.383.3084
F: 253.383.3097
www.mcgranahan.com

From: Wyckoff, Trevor [<mailto:Trevor.Wyckoff@skanska.com>]
Sent: Tuesday, March 04, 2014 9:39 AM
To: Steve Broback
Cc: Kelley Wilson; Franke, David; Jensen, Brandon; Woodland High School Resource
Subject: RE: WHS RFI#110 - Dowels for Masonry Veneer Starter Course

Steve,
I am not sure how your consultant is calculating their estimate. I quickly calculated 1777 lf based on the B&B estimate of blocks, I called Mutual Materials, and according to them, 100 sf of 6"x8"x16" CMU can be grouted with 37 bags. 42 bags is roughly 1CY of material. So, this application will require 657 bags. Divide that by 42 bags to get CY, and there is 15.65CY of grout. B&B credited 16CY, David calculated 34CY.

Also, the #4 dowels are (I think) 2'-5" long. At .668lbs/ft. that is 1.6lb's each or if there are 1000 dowels, a total of 1600lbs. If we were to use David's price of \$.50/lb it should be a credit of \$800. It looks like when he calculated the \$2,226 credit, he used \$1.00/lb??

Can you have David review his quantities and make sure that he's figuring it correctly. If I am wrong, let me know. I have not had time yet to discuss with B&B.

Also, regarding the note below, R2M2 did credit the dowel installation labor, they credited \$1,552, some of the dowels are obviously already installed in all the footings that have been poured to date. B&B did credit labor, they place the horizontal bar.

Trevor Wyckoff
Sr. Project Manager
Skanska USA Building
Operations
www.skanska.com
222 SW Columbia Street, Suite 300
Portland, OR 97201, United States
Direct +1 503 382 0916
Main +1 503 382 0900
Mobile +1 503 320 4633

From: Steve Broback [mailto:steve.broback@mcgranahan.com]
Sent: Tuesday, March 04, 2014 7:22 AM
To: Wyckoff, Trevor
Cc: Kelley Wilson; Franke, David; Jensen, Brandon
Subject: FW: WHS RFI#110 - Dowels for Masonry Veneer Starter Course

Trevor - See comments from David Aronson below. Please review with B & B Masonry.
Steve

Steve Broback
Associate
<image001.jpg>
2111 Pacific Avenue, Suite 100 Tacoma, WA 98402
T: 253.383.3084
F: 253.383.3097
www.mcgranahan.com

From: David Aronson [mailto:davida@kramer-gehlen.com]
Sent: Monday, March 03, 2014 4:36 PM
To: Steve Broback
Subject: RE: WHS RFI#110 - Dowels for Masonry Veneer Starter Course

Subtract:

6" block –

The solid grout is being deleted along with labor of installation [Grout \$125 cu yd material @ 34 cu yds = \$4,167.00 ---
Labor saving for installation ???]

#4 Dowels at 24" oc is being deleted along with labor of installation [Rebar \$0.50/lbs @1000 dowels at 2.22# each =
\$2,226.00 – Labor for installation ???]

1-#4 horizontal around entire perimeter is being deleted along with labor of installation. [Rebar \$0.50/lbs @ 2000 ft is
1336 # = \$668.00 --- labor minimal]

Add:

4" CMU ground face below grade –

One row of brick veneer ties at 24" oc. [1000 anchors @ \$1/anchor = \$1,000 material ---Labor \$65/hr x 60 second for
installation x 1000 = \$1,083 = \$2,100.00]

So in my mind we should be looking at a credit of greater than \$5,000.00 since I did not quantify labor on grout or
dowels. I also suspect that there is a couple of pump truck saving for the grout as well.

Hope that helps,

David

David M. Aronson, P.E., S.E.

Associate Principal

Kramer Gehlen & Associates, Inc.

Consulting Structural Engineers

400 Columbia Street, Suite 240, Vancouver, WA 98660-3413

Vancouver ph.: 360-693-1621

Portland ph.: 503-289-2661

Fax: 360-696-1572

www.kga.cc

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Request for Information 0110

Detailed, RFIs Grouped by RFI Number

Woodland High School Project # 4113074-000 Skanska USA Building Inc.
Tel: Fax:

RFI #: 0110 Date Created: 2/19/2014

Answer Company	Answered By	Author Company	Authored By
McGranahan Architects 2111 Pacific Avenue, Suite 100 Tacoma, WA 98402	Steve Broback	Skanska USA Building Inc. 222 SW Columbia Street, Suite 300 Portland, OR 97201	Brandon Jensen

Co-Respondent Author RFI Number

Subject	Discipline	Category
Dowels for Masonry Veneer Starter Course	Structural	

Cc: Company Name Contact Name Copies Notes

Question Date Required: 2/21/2014

Reference Detail 3/S9.3:

After the perimeter footings were raised up 1 foot, there is now only 1'-0" of 6" CMU block which then transitions to CMU Veneer in lieu of 2'-0" previously. In lieu of installing #4 dowels @ 18" OC as shown on detail 3/S9.3, please confirm that masonry clips can be installed tying this starter course of 6" CMU back to the stem wall.

Suggestion

Answer Date Answered:



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 038 Date: 2/23/2014

To: Steve Broback, McGranahan Architects, 2111 Pacific Avenue, Suite 100, Tacoma, WA 98402
From: Trevor Wyckoff, Skanska USA Building Inc., 222 SW Columbia Street, Suite 300, Portland, OR 97201

Description: COP#011 - Brick Veneer Revision (Including RFI#110) Category: Status: Submitted

Reference: Required By: 8/2/2014 Days Req: 0(\$) Amt Req: 3,543

Notes: This Change Order Request is for the credit to eliminate the 6" cmu veneer and cmu footing dowels and utilize a 4" cmu veneer and veneer ties in accordance with COP#011 and also RFI#110.

Table with columns: CE No, Date, Reference, Amt Prop, Days Req, Category, Reason. Row 1: 0075, 2/20/2014, COP#011 - Brick Veneer Revision, (\$ 3,543), 0

Table with columns: Item No, Item Description, Amt Prop, Reference. Rows: 0001 Utilize 4" veneer in lieu of 6" veneer - B&B (\$ 2,235); 0002 Eliminate rebar dowels - R2M2 (\$ 1,552); 0003 Cut Off Existing Dowels - Skanska Concrete \$ 244

Submitted By: [Signature] Date: 3-3-2014
Name: Trevor Wyckoff

2111 Pacific, Suite 100 Tacoma, Washington 98402

CHANGE ORDER PROPOSAL: 011

Woodland High School

Date: February 19, 2014

To: Trevor Wyckoff, Skanska

PROPOSED CONTRACT MODIFICATION:

Please submit an itemized proposal for changes in the Contract Time and Contract Sum for the following proposed modifications to the Contract Documents (This document is not a Change Order, Field Authorization or direction to proceed with the work described herein):

1. Provide 4" CMU for the below grade veneer starter courses in lieu of the 6" CMU shown.

Reference: 1&12/S9.2; 2,3&11/ S9.3; A5.11

Attachments: None

PROPOSED CONTRACT ADJUSTMENTS:

The proposed change to the Contract Sum or Guaranteed Maximum Price for all work described above is:

- (increase) (decrease) of: \$ 3,543 (Washington State Sales Tax not included) or,
- The Contract Sum shall remain unchanged.

The proposed change to the Contract Time for all work described above is:

- (increase) (decrease) of _____ days or;
- The Contract Time will remain unchanged.

The foregoing amount includes all direct and indirect costs for material, labor and supplies related to this change and to the effect of this change on the remainder of the Project. All other provisions of the Contract remain in full force and effect. The Contractor agrees to be bound by this proposal for ~~ninety (90) days~~ ^{ten (10) days} after this date.

Submitted by: _____
General Contractor

Date: 3-3-2014

We have examined the foregoing proposal, negotiated with the Contractor where necessary, and find it to be reasonable.

Approved By: _____
McGranahan Architects

Date: _____

The Owner hereby accepts the foregoing proposal. This document when fully signed constitutes the conditions upon which a Change Order will be issued.

Accepted By: _____
Woodland School District No. 404

Date: _____



Attention: Trevor/David
Firm: Skanska

Order Date: 2/27/14
Work Date: TBD

Project: Woodland High School
RE: COP #11 - Change All Exterior 6" CMU to 4" CMU

CHANGE ORDER REQUEST

Labor	Hours	Rate	Sub-Total
Foreman:			
	-10	\$68.61	-\$686.10
Bricklayers:			
	-8	\$64.34	-\$514.72
	-8	\$64.34	-\$514.72
Hodcarriers:			
	-8	\$53.38	-\$427.04
	0	\$53.38	\$0.00
Apprentice:			
	-8	\$51.82	-\$414.56
Material & Equipment	Quantity	Cost	Sub-Total
6x8x16 Smooth Mesa Buff CMU	-850	\$2.18	-\$1,853.00
6x8x16 Ground Mesa Buff CMU	-483	\$3.03	-\$1,463.49
6x4x16 Smooth Mesa Buff Half-High CMU	-850	\$2.18	-\$1,853.00
6x4x16 Ground Mesa Buff Half High CMU	-483	\$3.28	-\$1,584.24
Grout (Cubic Yard)	-16	\$125.00	-\$2,000.00
Mortar (bags)	0	\$5.65	\$0.00
4x4x16 Smooth Mesa Buff Half-High CMU	850	\$1.65	\$1,402.50
4x4x16 Smooth Mesa Buff Half-High CMU	483	\$3.15	\$1,521.45
4x8x16 Smooth Mesa Buff CMU	850	\$1.65	\$1,402.50
4x8x16 Ground Mesa Buff CMU	483	\$2.90	\$1,400.70
HDG Veneer Ties & Wire at changed 4" Veneer	890	\$4.10	\$3,649.00
		Sub-Total:	-\$1,934.72
		Bond Increase:	\$0.00
		10% Overhead:	-\$193.47
		5% Profit:	-\$106.41
		TOTAL:	-\$2,235

> 1185sf
592sf
1777sf

Note(s):

COP #11 is the result of changing all exterior 6" Veneer CMU to 4" Veneer CMU. This results in grout reduction but also in ties/wire adding. But it does make for faster install per unit and makes a large labor reduction.

Duration of this project will now require this many extra days:		0
B&B Tile and Masonry, Corp.	Date: 2/27/14	GC: _____ Date: _____
Nathan Storey		Acknowledged by: _____
*** Change order work will only be completed once change order has been accepted and signed by a General Contractor representative.***		
*** Change order work is subject to rescheduling by B&B independent of main project schedule.***		



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 004 **Date: 1/16/2014**

To: Michael Green Woodland School District No. 404 800 Third Street Woodland, WA 98674	From: Trevor Wyckoff Skanska USA Building Inc. 222 SW Columbia Street, Suite 300 Portland, OR 97201
--	---

Description	Category	Status
COP#003 - Delta 4 Changes	Owner	Submitted

Reference	Required By	Days Req	Amt Req
	1/23/2014	0(\$	3,426)

Notes
 This Change Order Request is for the costs to provide site revisions in accordance with COP#003 dated December 30, 2013. This COR replaces the previously issued COR and eliminates the costs for the vault change. This only includes the credit for the trash racks that were deleted.

CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
Description						Notes
0016	1/2/2014		(\$ 3,426)	0	Owner	Architect/Consultant Directive
COP#003 - Delta 4 Changes						McGranahan Issued COP#003 for the Delta 4 Changes which were included within the conformed set of documents. Reference the COP#003 for entire scope of changes.

Item No	Item Description	Amt Prop	Reference
0001	Tapani Deduct for Trash Racks	(\$ 3,327)	
0002	General Liability Insurance	(\$ 33)	
0003	GC Bond	(\$ 33)	
0004	Subcontractor Subguard Bond	(\$ 33)	

Submitted By:

Signature _____

Name _____ **Date** _____



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 004 Date: 1/16/2014

To: Michael Green Woodland School District No. 404 800 Third Street Woodland, WA 98674 From: Trevor Wyckoff Skanska USA Building Inc. 222 SW Columbia Street, Suite 300 Portland, OR 97201

Table with 3 columns: Description, Category, Status. Row 1: COP#003 - Delta 4 Changes, Owner, Submitted

Table with 4 columns: Reference, Required By, Days Req, Amt Req. Row 1: (blank), 1/23/2014, 0(\$), 3,327

Notes: This Change Order Request is for the costs to provide site revisions in accordance with COP#003 dated December 30, 2013. This COR replaces the previously issued COR and eliminates the costs for the vault change. This only includes the credit for the trash racks that were deleted.

Table with 7 columns: CE No, Date, Reference, Amt Prop, Days Req, Category, Reason. Row 1: 0016, 1/2/2014, COP#003 - Delta 4 Changes, (\$ 3,327), 0, Owner, Architect/Consultant Directive. Notes: McGranahan Issued COP#003 for the Delta 4 Changes which were included within the conformed set of documents. Reference the COP#003 for entire scope of changes.

Table with 4 columns: Item No, Item Description, Amt Prop, Reference. Row 1: 0001, Tapani Deduct for Trash Racks, (\$ 3,327)

Submitted Approved By: Signature: Trevor Wyckoff Date: 2/10/14

2111 Pacific, Suite 100 Tacoma, Washington 98402

CHANGE ORDER PROPOSAL: 003

Woodland High School

Date: December 30th, 2013

To: Trevor Wyckoff, Skanska

PROPOSED CONTRACT MODIFICATION:

Please submit an itemized proposal for changes in the Contract Time and Contract Sum for the following proposed modifications to the Contract Documents (This document is not a Change Order, Field Authorization or direction to proceed with the work described herein):

- 1. Make changes to the work identified in Volume 1 Drawings by a "Delta 4" designation.
- 2. Delete trash rack per CSK-023,

Reference: C5.02, C5.03, C5.08, C5.09, C5.10, C7.01, C7.02, C9.02, C9.08

Attachments: C5.02, C5.03, C5.08, C5.09, C5.10, C7.01, C7.02, C9.02, C9.08 and CSK-023

PROPOSED CONTRACT ADJUSTMENTS:

The proposed change to the Contract Sum or Guaranteed Maximum Price for all work described above is:

- (increase) (decrease) of : \$ 3,327.00 (Washington State Sales Tax not included) or,
- The Contract Sum shall remain unchanged.

The proposed change to the Contract Time for all work described above is:

- (increase) (decrease) of _____ days or;
- The Contract Time will remain unchanged.

The foregoing amount includes all direct and indirect costs for material, labor and supplies related to this change and to the effect of this change on the remainder of the Project. All other provisions of the Contract remain in full force and effect. The Contractor agrees to be bound by this proposal for ninety (90) days after this date.

Submitted by: _____
General Contractor

Date: 2/10/14

We have examined the foregoing proposal, negotiated with the Contractor where necessary, and find it to be reasonable.

Approved By: _____
McGranahan Architects

Date: _____

The Owner hereby accepts the foregoing proposal. This document when fully signed constitutes the conditions upon which a Change Order will be issued.

Accepted By: _____
Woodland School District No. 404

Date: _____

REGISTERED ARCHITECTS
WOODLAND CONSULTING ARCHITECTS
ARCHITECTURAL ENGINEERS
REGISTERED ENGINEERS
REGISTERED PROFESSIONAL ENGINEERS
REGISTERED PROFESSIONAL LAND SURVEYORS
REGISTERED PROFESSIONAL SURVEYORS
REGISTERED PROFESSIONAL ENGINEERS
REGISTERED PROFESSIONAL ARCHITECTS



EXPIRES 12/31/18

WOODLAND CONSULTING ARCHITECTS
11551
WOODLAND SCHOOL DISTRICT
INDIANAPOLIS, IN
WOODLAND, IN

STORM DRAINAGE PLAN

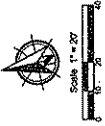
PROJECT NO. 1112009

APPROVED FOR SUBMITTAL
11/07/15

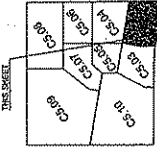
DATE OF DESIGN: 11/07/15
DATE OF PERMIT: 11/07/15
DATE OF FINAL REVIEW: 11/07/15
DATE OF FINAL REVIEW: 11/07/15

PROJECT NO. 1112009
SUBDIVISION NO. 206-311
TL 506540102

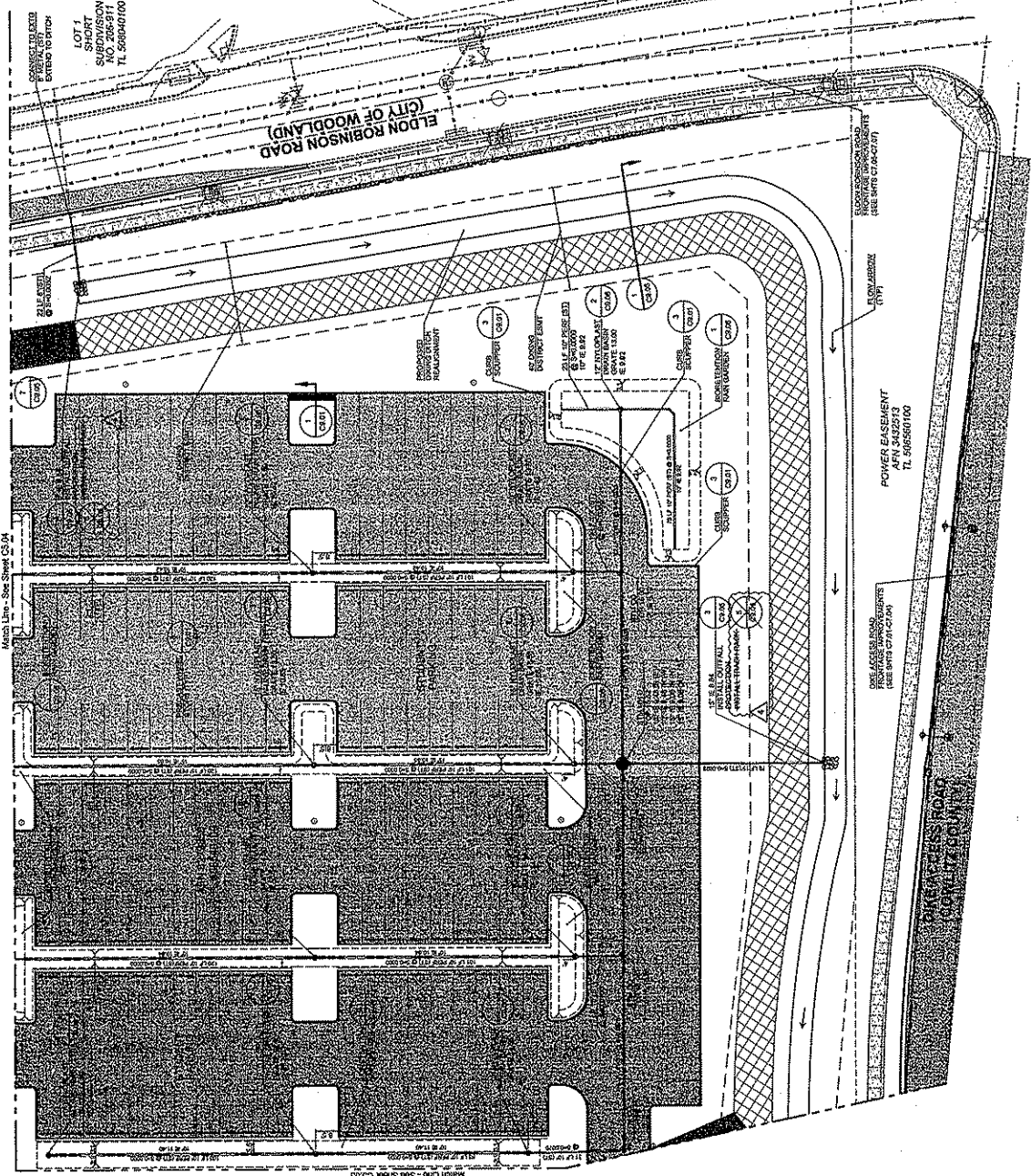
C5.02



SEE SHEET TO BE PREVIOUS TO THIS SET FOR THE EXISTING STORM DRAINAGE SYSTEM UNLESS OTHERWISE NOTED



LOT 2
SUBDIVISION
NO. 206-311
TL 506540102



Architect:
 MCDONNAN ARCHITECTS
 1000 N. 10TH ST.
 MILWAUKEE, WI 53233

Structural Engineer:
 MURRAY ASSOCIATES
 1000 N. 10TH ST.
 MILWAUKEE, WI 53233

Mechanical Engineer:
 MURRAY ASSOCIATES
 1000 N. 10TH ST.
 MILWAUKEE, WI 53233

Electrical Engineer:
 MURRAY ASSOCIATES
 1000 N. 10TH ST.
 MILWAUKEE, WI 53233

Landscaper:
 MURRAY ASSOCIATES
 1000 N. 10TH ST.
 MILWAUKEE, WI 53233



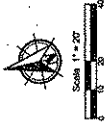
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 WOODWARD HARBOR
 CIVIL
 WOODWARD HARBOUR
 WOODWARD HARBOUR
 WOODWARD HARBOUR

**STORM
 DRAINAGE
 PLAN**

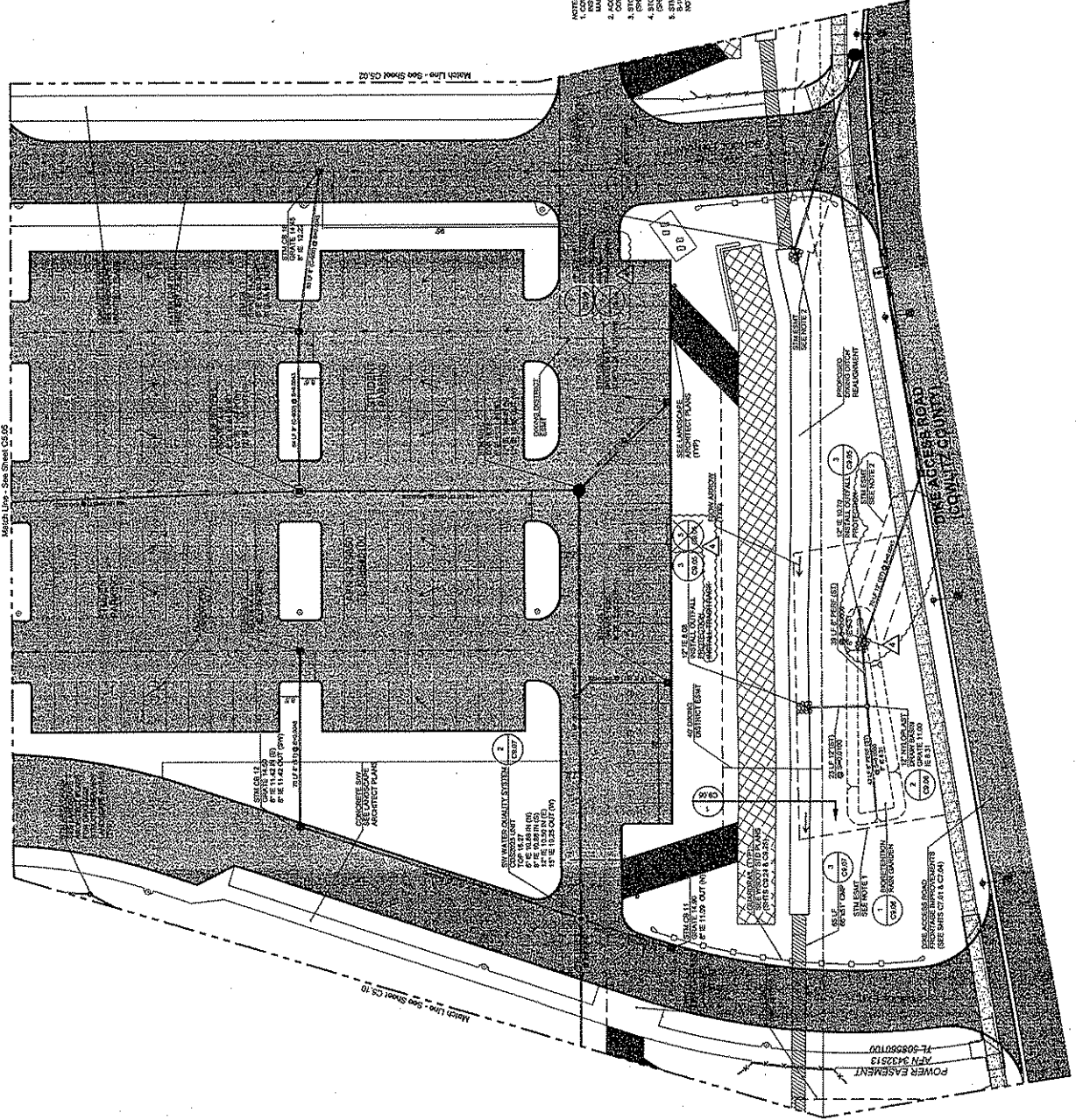
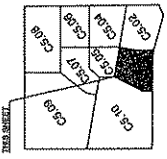
Project No. 110500

DATE: 10/20/10
 10/20/10
 10/20/10
 10/20/10
 10/20/10
 10/20/10

Sheet No. C5.03



1. LOCALITY ADDRESS INDENTATION FOR INSPECTION ONLY. FACILITIES TO BE MAINTAINED BY THE USER.
2. ACCESS AND MAINTENANCE EASEMENT TO CONVEY PROPERTY.
3. SEE PLAN FOR ALL DIMENSIONS AND NOTES. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
4. STORMWATER TO BE PER C.O.W. 310.010 TO 310.015 UNLESS OTHERWISE NOTED.
5. SEE PLAN FOR ALL DIMENSIONS AND NOTES. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.



ORIGINAL SHEET BY: JLM
 DATE: 10/20/10
 10/20/10

MEASUREMENTS

ARCHITECT
 MCDONNAN ARCHITECTS
 CIVIL ENGINEER
 HOLDEN GROUP
 STRUCTURAL DESIGN
 MERRILL ASSOCIATES
 MECHANICAL ENGINEER
 HANSEN GARDEN ASSOCIATES
 ELECTRICAL ENGINEER
 MCE ENGINEERS
 MECHANICAL ENGINEER
 HALLMARK ASSOCIATES
 LAND SERVICE
 HALLMARK ASSOCIATES



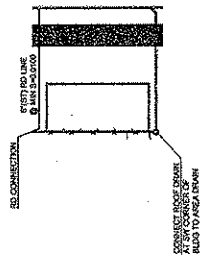
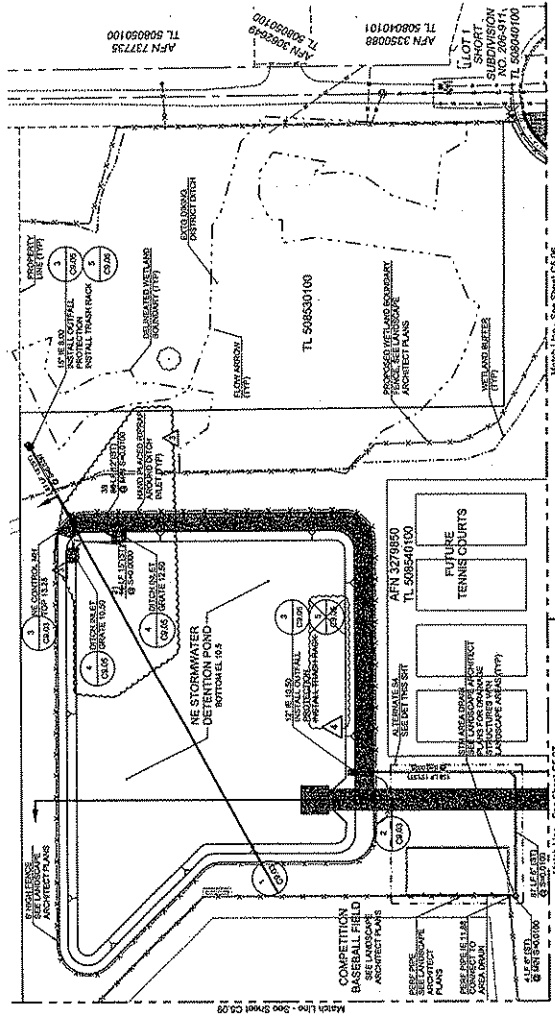
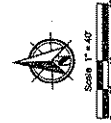
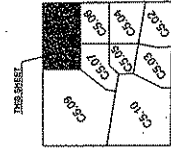
PROJECT
 WOODLAND HIGH SCHOOL
 11111
 WOODLAND SCHOOL DISTRICT
 FORTITUDE
 WOODLAND VA

PROJECT NO. 111020
STORM DRAINAGE PLAN

REVISIONS
 APPROVED FOR THE PROJECT
 DATE
 REVISIONS
 DATE
 REVISIONS
 DATE
 REVISIONS
 DATE

DRAWN BY
 CHECKED BY
 DATE

C5.08



Alternate S4 Detail

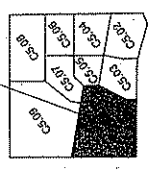
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- ENGINEER: MCGRAW-HILL ENGINEERS
- LANDSCAPE ARCHITECT: LANDSCAPE ARCHITECTS
- PLANNING: PLANNING ASSOCIATES
- SCAPE ARCHITECT: SCAPES ASSOCIATES
- ENVIRONMENTAL ENGINEER: ENVIRONMENTAL ENGINEERS
- TRUCK ENGINEER: TRUCK ENGINEERS
- TRUCK ASSOCIATES: TRUCK ASSOCIATES
- TRUCK ASSOCIATES: TRUCK ASSOCIATES



WOODLAND DISTRICT
WOODLAND SCHOOL DISTRICT
WOODLAND, VA

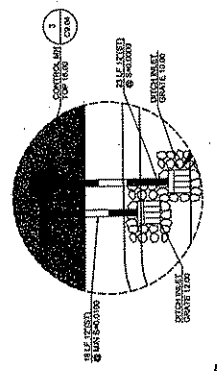
STORM DRAINAGE PLAN

NOTES:
1. THIS PLAN IS A PART OF THE SUBMITTAL FOR THE DEVELOPMENT OF THE PROJECT AND IS TO BE MAINTAINED BY THE DEVELOPER.
2. THE DEVELOPER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE LOCAL AND STATE AGENCIES.
3. THE DEVELOPER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE LOCAL AND STATE AGENCIES.

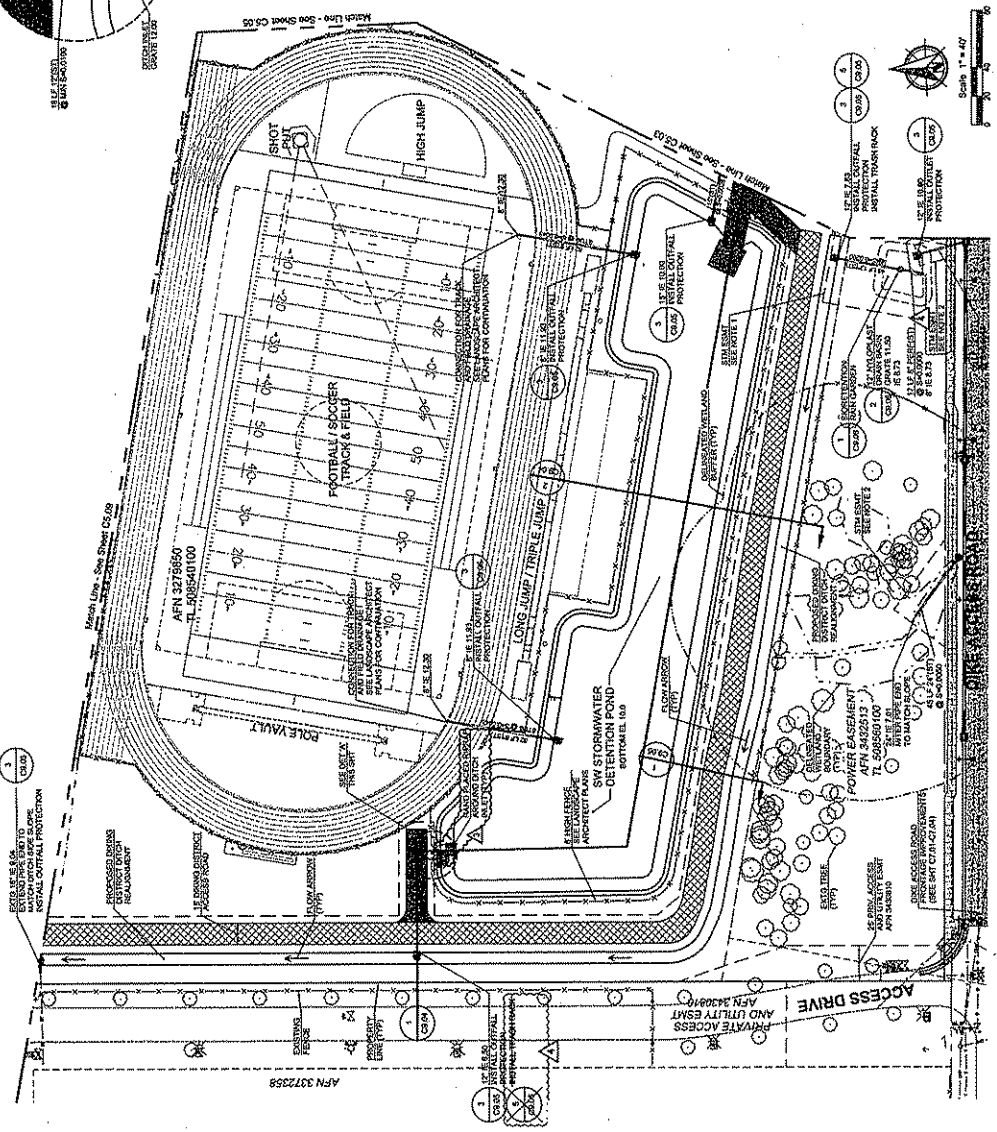


DATE: 02/13/13
DRAWN BY: J. S. HARRIS
CHECKED BY: J. S. HARRIS
APPROVED BY: J. S. HARRIS
PROJECT NO: 130713

C5.10



Detail 'A'



- ARCHITECT, MODERMAN ARCHITECTS
- CIVIL ENGINEER, CIVIL ENGINEER, HOEDERER GROUP
- LANDSCAPE ARCHITECT, KUPASE ASSOCIATES
- ECOLOGICAL ENGINEER, KRAMER DAMEN ASSOCIATES
- MECHANICAL ENGINEER, RIZE ENGINEERS
- ANALYTICAL ENGINEER, RIZE ENGINEERS
- LAND SERVICES, HALLADAY ASSOCIATES



PROJECT, WOODLAND HORTICULTURE
 OWNER, WOODLAND SCHOOL DISTRICT
 DESIGNER, WOODLAND HORTICULTURE

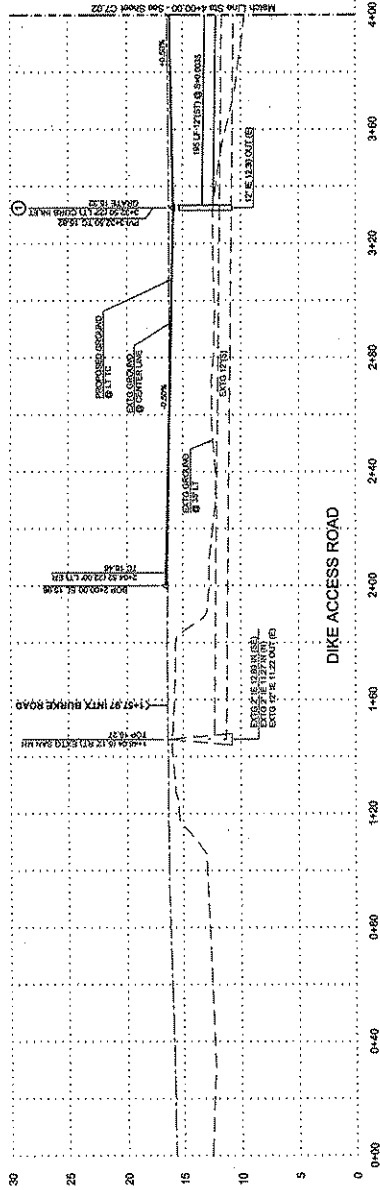
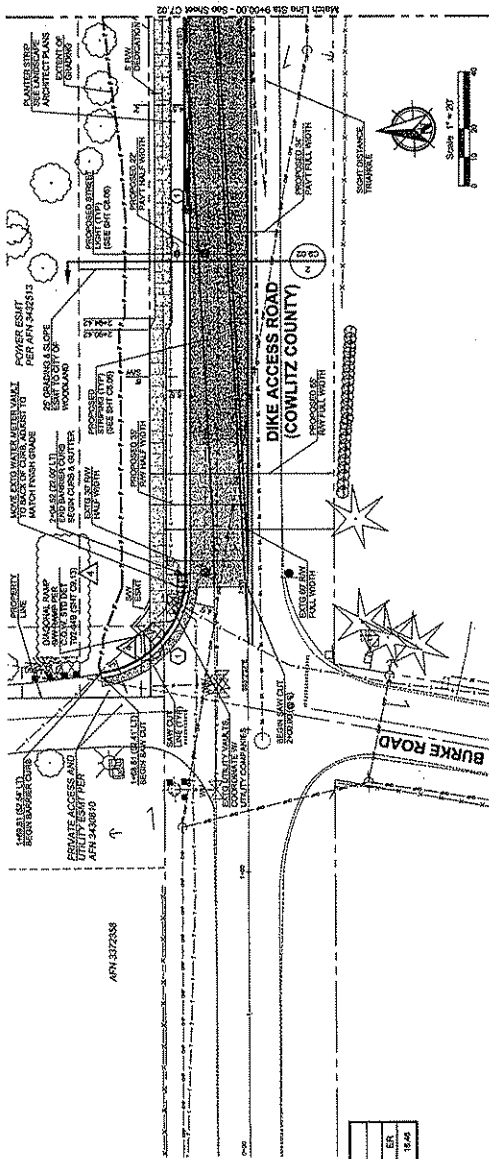
PAPER NO. 111530
DIKE ACCESS ROAD
PLAN/PROFILE
 STA 0+00-4+00

DATE, 11/21/15
 DRAWN BY, [Signature]

CHECKED BY, [Signature]
 DATE, 11/21/15

SCALE, 1" = 20'
 DATE, 11/21/15

C7.01



EXISTING LINDTYPE LEGEND

---	EXISTING CENTERLINE
---	EXISTING SIDEWALK
---	EXISTING STORM SEWER PIPE
---	EXISTING WATER PIPE
---	EXISTING GAS 12" LINE
---	EXISTING GAS 18" LINE
---	EXISTING OVERHEAD POWER LINE
---	EXISTING TELEPHONE LINE

Curb Return Data

DATA	R	L	TO ELEVATION (ELEVATION)
1	5.00	5.00	15.00
2	5.00	5.00	15.00
3	5.00	5.00	15.00

- NOTES:
- SEE SHEET C7.02 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.03 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.04 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.05 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.06 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.07 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.08 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.09 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.10 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.11 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.12 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.13 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.14 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.15 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.16 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.17 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.18 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.19 FOR COWLITZ COUNTY STAKING
 - SEE SHEET C7.20 FOR COWLITZ COUNTY STAKING

ARCHITECT
 MCGONNAGHY ARCHITECTS
 11011 EASTERN AVE.
 HOUSTON, TEXAS 77036

ENGINEER
 MANNING JAMES HARRIS & ASSOCIATES
 11011 EASTERN AVE., SUITE 1000
 HOUSTON, TEXAS 77036

CONSULTANT ENGINEER
 MANNING JAMES HARRIS & ASSOCIATES
 11011 EASTERN AVE., SUITE 1000
 HOUSTON, TEXAS 77036

DATE: 08/11/11
 PROJECT: DIKE ACCESS ROAD
 SHEET: C7.02



OWNER
 WOODLAND ROAD DISTRICT
 11011 EASTERN AVE., SUITE 1000
 HOUSTON, TEXAS 77036

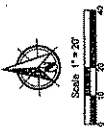
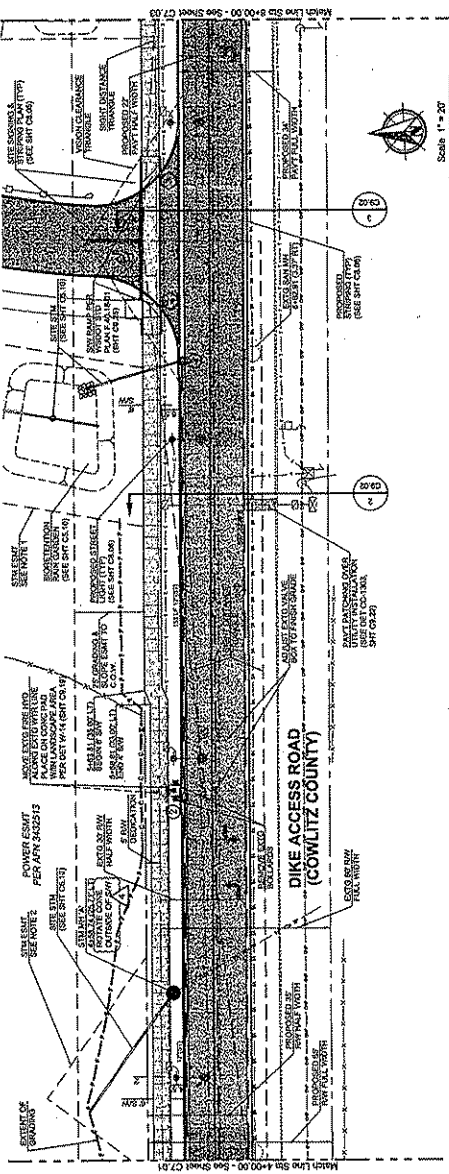
PROJECT
 DIKE ACCESS ROAD
 PLAN/PROFILE
 STA 4+00-8+00

DATE
 08/11/11

DESIGNED BY
 MANNING JAMES HARRIS & ASSOCIATES
 11011 EASTERN AVE., SUITE 1000
 HOUSTON, TEXAS 77036

CHECKED BY
 MANNING JAMES HARRIS & ASSOCIATES
 11011 EASTERN AVE., SUITE 1000
 HOUSTON, TEXAS 77036

SCALE
 C7.02

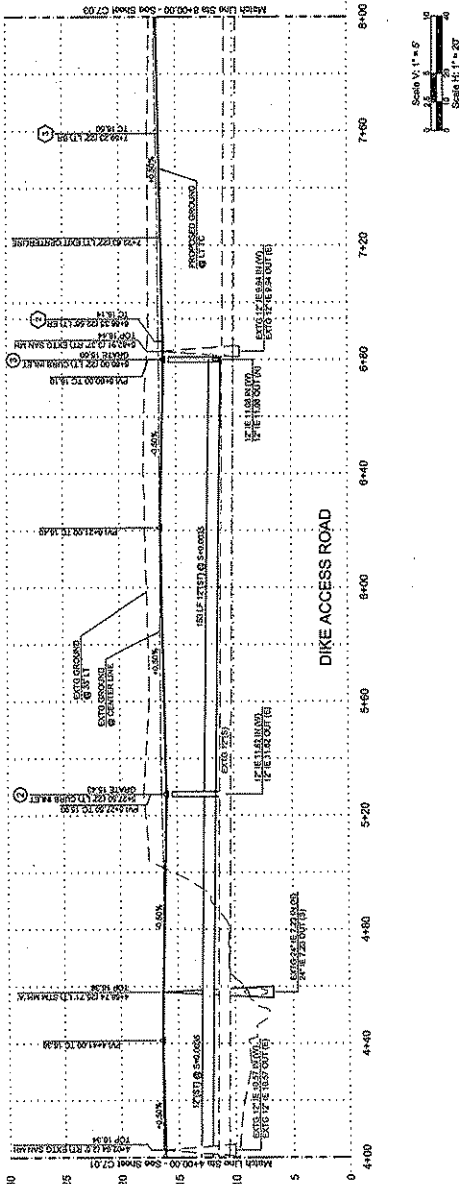


Ex'g. Linetype Legend

Ex'g Sanitary Sewer Pipe
 Ex'g Storm Sewer Pipe
 Ex'g Gas 12" Dia
 Ex'g Gas 18" Dia
 Ex'g Gas 24" Dia
 Ex'g Gas 30" Dia
 Ex'g Gas 36" Dia
 Ex'g Gas 42" Dia
 Ex'g Gas 48" Dia
 Ex'g Gas 54" Dia
 Ex'g Gas 60" Dia
 Ex'g Gas 66" Dia
 Ex'g Gas 72" Dia
 Ex'g Gas 78" Dia
 Ex'g Gas 84" Dia
 Ex'g Gas 90" Dia
 Ex'g Gas 96" Dia
 Ex'g Gas 102" Dia
 Ex'g Gas 108" Dia
 Ex'g Gas 114" Dia
 Ex'g Gas 120" Dia
 Ex'g Gas 126" Dia
 Ex'g Gas 132" Dia
 Ex'g Gas 138" Dia
 Ex'g Gas 144" Dia
 Ex'g Gas 150" Dia
 Ex'g Gas 156" Dia
 Ex'g Gas 162" Dia
 Ex'g Gas 168" Dia
 Ex'g Gas 174" Dia
 Ex'g Gas 180" Dia
 Ex'g Gas 186" Dia
 Ex'g Gas 192" Dia
 Ex'g Gas 198" Dia
 Ex'g Gas 204" Dia
 Ex'g Gas 210" Dia
 Ex'g Gas 216" Dia
 Ex'g Gas 222" Dia
 Ex'g Gas 228" Dia
 Ex'g Gas 234" Dia
 Ex'g Gas 240" Dia
 Ex'g Gas 246" Dia
 Ex'g Gas 252" Dia
 Ex'g Gas 258" Dia
 Ex'g Gas 264" Dia
 Ex'g Gas 270" Dia
 Ex'g Gas 276" Dia
 Ex'g Gas 282" Dia
 Ex'g Gas 288" Dia
 Ex'g Gas 294" Dia
 Ex'g Gas 300" Dia

Cure Return Data

Station	Cure	Return	Days	Notes
4+00	1	1	1	10.0000
4+40	1	1	1	10.0000
4+80	1	1	1	10.0000
5+20	1	1	1	10.0000
5+60	1	1	1	10.0000
6+00	1	1	1	10.0000
6+40	1	1	1	10.0000
6+80	1	1	1	10.0000
7+20	1	1	1	10.0000
7+60	1	1	1	10.0000
8+00	1	1	1	10.0000



NOTES:
 1. SEE SHEET C7.01 FOR COWLITZ COUNTY STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION.
 2. ACCESS AND MAINTENANCE EASEMENT TO COWLITZ COUNTY.
 3. SEE SHEET C7.01 FOR COWLITZ COUNTY STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION.
 4. OVERHEAD DIMENSIONS PER PLANS.
 5. COWLITZ COUNTY PERMITS PER PLAN.
 6. COWLITZ COUNTY PERMITS PER PLAN.

ARCHITECT:
 MCDONNAMY ARCHITECTS
 CIVIL ENGINEER:
 HOUDENY GROUP
 LANDSCAPE DESIGN:
 MORGAN ASSOCIATES
 STRUCTURAL ENGINEER:
 KRUMER SANKER ASSOCIATES
 MECHANICAL ENGINEER:
 SUE ENGINEERS
 ELECTRICAL ENGINEER:
 SUE ENGINEERS
 TRAFFIC SERVICE:
 HALLINAN ASSOCIATES



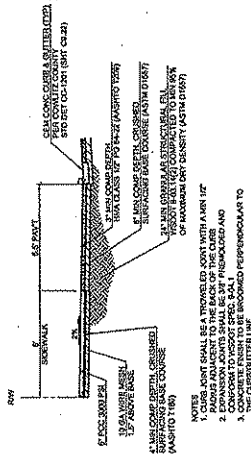
PROJECT:
 WOODLAND HIGH SCHOOL
 CITY:
 WOODLAND SCHOOL DISTRICT
 LOCATION:
 WOODLAND, MO.

PROJECT: 114209
**STREET
 DETAILS**

DATE: 11/17/14
 11/17/14
 11/17/14

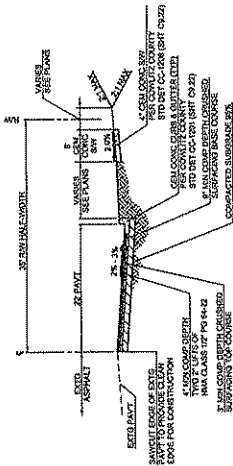
DRAWN BY:
 PROJECT MANAGER:
 CHECKED BY:
 DATE: 11/17/14

C9.02



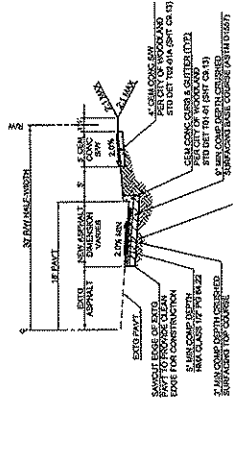
**Dike Access Road Approach
 Typical Section**

NOTES:
 1. PAVEMENT SHALL BE A MINIMUM 4" THICK WITH A MIN. 1% SLOPE ADJACENT TO THE BACK OF THE CURB.
 2. PAVEMENT SHALL BE A MINIMUM 4" THICK WITH A MIN. 1% SLOPE ADJACENT TO THE BACK OF THE CURB.
 3. CONCRETE SHALL BE 2800 PSI (SHT 04-11) AND SHALL BE COMPACTED TO THE PROPOSED FINISH ELEVATION.



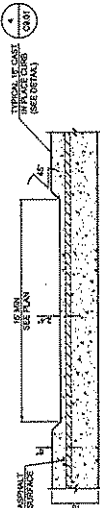
**Dike Access Road Frontage
 Typical Half-Street Section**

NOTES:
 1. PAVEMENT SHALL BE A MINIMUM 4" THICK WITH A MIN. 1% SLOPE ADJACENT TO THE BACK OF THE CURB.
 2. PAVEMENT SHALL BE A MINIMUM 4" THICK WITH A MIN. 1% SLOPE ADJACENT TO THE BACK OF THE CURB.
 3. CONCRETE SHALL BE 2800 PSI (SHT 04-11) AND SHALL BE COMPACTED TO THE PROPOSED FINISH ELEVATION.

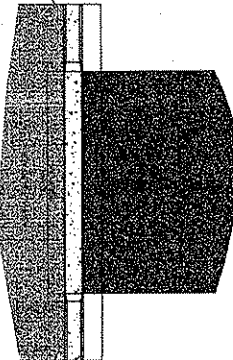


**Eldon Robinson Road Frontage
 Typical Half-Street Section**

NOTES:
 1. PAVEMENT SHALL BE A MINIMUM 4" THICK WITH A MIN. 1% SLOPE ADJACENT TO THE BACK OF THE CURB.
 2. PAVEMENT SHALL BE A MINIMUM 4" THICK WITH A MIN. 1% SLOPE ADJACENT TO THE BACK OF THE CURB.
 3. CONCRETE SHALL BE 2800 PSI (SHT 04-11) AND SHALL BE COMPACTED TO THE PROPOSED FINISH ELEVATION.



Diking District Curb Cut



Diking District Curb Cut



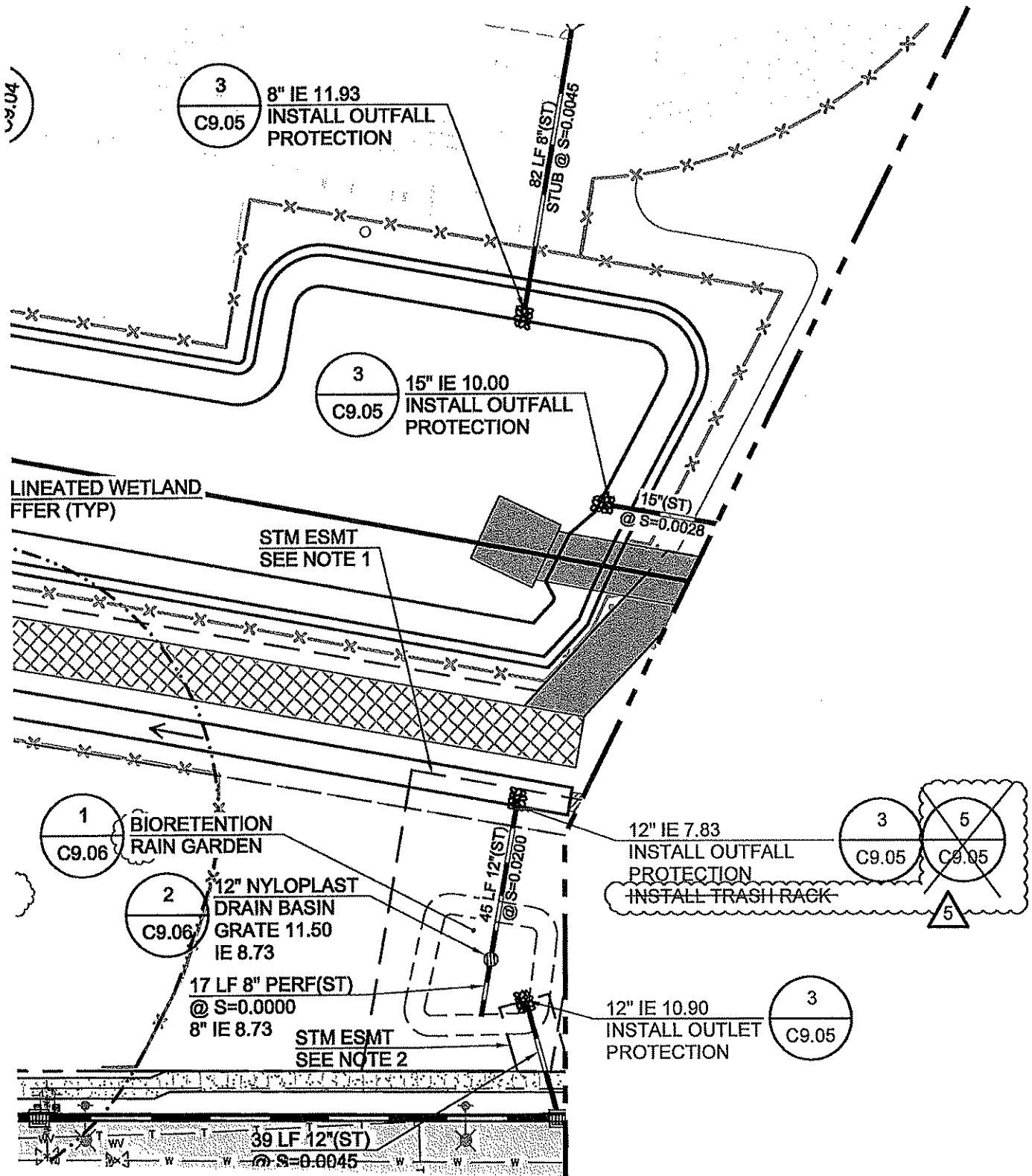
**On-site Auto Drive Aisles
 and Parking Typical Section**

NOTES:
 1. PAVEMENT SHALL BE A MINIMUM 4" THICK WITH A MIN. 1% SLOPE ADJACENT TO THE BACK OF THE CURB.
 2. PAVEMENT SHALL BE A MINIMUM 4" THICK WITH A MIN. 1% SLOPE ADJACENT TO THE BACK OF THE CURB.
 3. CONCRETE SHALL BE 2800 PSI (SHT 04-11) AND SHALL BE COMPACTED TO THE PROPOSED FINISH ELEVATION.



**On-site Parking Areas
 Typical Section**

NOTES:
 1. PAVEMENT SHALL BE A MINIMUM 4" THICK WITH A MIN. 1% SLOPE ADJACENT TO THE BACK OF THE CURB.
 2. PAVEMENT SHALL BE A MINIMUM 4" THICK WITH A MIN. 1% SLOPE ADJACENT TO THE BACK OF THE CURB.
 3. CONCRETE SHALL BE 2800 PSI (SHT 04-11) AND SHALL BE COMPACTED TO THE PROPOSED FINISH ELEVATION.



WOODLAND HIGH SCHOOL

1119.000

McGRANAHAN architects

TITLE:	STORM DRAINAGE PLAN
REFERENCE:	C5.10
SCALE:	1"=40'
ISSUED FOR:	AGENCY REQUESTED REVISION
DATE:	DECEMBER 19, 2013

CSK-023

REVISED:	MPW
DRAWN BY:	JBA

253
F 383 3087
253
T 383 3084



P.O. Box 1900
 Battle Ground, WA 98604
 Main Office (360) 687-1148
 Main Office (Fax) 687-6748

Change Order Request

Project Name: Woodland High School Date: 1/8/2013
 Contract No: Job# 4113074-00 Subcontract No. 001
 TUI Job No. 141209
 TUI No. 4
 Owner No. 1
 General No. 1

Description: Delta 4 Drawing Changes & Delete Trash Rack per CSK-023 Revised

Labor		Unit Rate	Hours	Unit	Total
Trash Rack Install	Laborer	\$ 45.98	-18	HR	\$ (827.64)
		\$ -	0		\$ -
		\$ -	0		\$ -
					Labor Sub Total \$ (827.64)
					Mark-Up \$ (124.15)
					Small Tools \$ -
					Total Labor Hours -18

Equipment		Unit Rate	Hours	Unit	Total
		\$ -	0		\$ -
		\$ -	0		\$ -
		\$ -	0		\$ -
					Equipment Sub Total \$ -
					Mark-Up \$ -

Material		Unit Rate	Quantity	Unit	Total
Trash Rack Install	8" Trash Rack	\$ 163.52	-3	EA	\$ (490.56)
Trash Rack Install	12" Trash Rack	\$ 224.71	-4	EA	\$ (898.84)
Trash Rack Install	15" Trash Rack	\$ 300.12	-1	EA	\$ (300.12)
Trash Rack Install	18" Trash Rack	\$ 375.73	-1	EA	\$ (375.73)
		\$ -	0		\$ -
Pump Station	Concrete Wetwell - Old Castle	\$ -	-1	EA	\$ -
Pump Station	Romtec Hatch	\$ -	-1	EA	\$ -
Pump Station	AK Industries Fiberglass Basin	\$ -	1	EA	\$ -
		\$ -	0		\$ -
		\$ -	0		\$ -
		\$ -	0		\$ -
		\$ -	0		\$ -
		\$ -	0		\$ -
		\$ -	0		\$ -
		\$ -	0		\$ -
		\$ -	0		\$ -
		\$ -	0		\$ -
		\$ -	0		\$ -
		\$ -	0		\$ -
					Material Sub Total \$ (2,065.25)
					Mark-Up \$ (309.79)

Sub Contractors		Unit Rate	Quantity	Unit	Total
		\$ -	0		\$ -
		\$ -	0		\$ -
		\$ -	0		\$ -
		\$ -	0		\$ -
					Sub Contractors Sub Total \$ -
					Mark-Up \$ -

Misc		Unit Rate	Quantity	Unit	Total
		\$ -	0		\$ -
		\$ -	0		\$ -
		\$ -	0		\$ -
		\$ -	0		\$ -
					Misc. Total \$ -
					Mark-Up \$ -

Exclusions

This Change increases the time to complete the project by:	<u>0</u> Day(s)	Total Cost \$	(2,892.89)
We reserve the right to claim cost and/or schedule impacts at later date	<u>0%</u>	Overhead \$	-
	<u>\$ -</u>	Sub Total \$	(3,326.82)
	<u>0.00%</u>	General Liability Insurance \$	-
		Bond \$	-
		Total Amount \$	(3,326.82)

NOTE: THIS CHANGE ORDER REQUEST SHALL BE ACCEPTED AS APPROVED AND INCORPORATED INTO THE CONTRACT UNLESS WE RECEIVE A WRITTEN RESPONSE FROM YOU STATING OTHERWISE WITHIN 48 HOURS (WE WOULD PREFER THIS CHANGE ORDER REQUEST FORM TO BE SIGNED AND RETURNED).

Prepared by: [Signature] Accepted by: _____
 Date: 2/10/14 Date: _____



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 036

Date: 2/23/2014

To: Steve Broback
McGranahan Architects
2111 Pacific Avenue, Suite 100
Tacoma, WA 98402

From: Trevor Wyckoff
Skanska USA Building Inc.
222 SW Columbia Street, Suite 300
Portland, OR 97201

Description	Category	Status
COP#008 Perforated Roof Deck		Notified

Reference	Required By	Days Req	Amt Req
	3/2/2014	0 \$	0

Notes

This Change Order Request is for a zero dollar change for the steel roof decking revisions associated with COP#008. The \$0 change is provided with the understanding that the acoustical roof decking at the building perimeters will not be located outside the building envelope, but will be constructed as indicated within the Northstar shop drawings.

CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
Description						Notes
0073	2/17/2014		\$ 0	0		
COP#008 Perforated Roof Deck						
Item No	Item Description	Amt Prop	Reference			
0001	Decking Revisions per COP#008	\$ 0				

Submitted By:

Signature

Name

Date

3-3-14

2111 Pacific, Suite 100 Tacoma, Washington 98402

CHANGE ORDER PROPOSAL: 008

Woodland High School

Date: February 07, 2014

To: Trevor Wyckoff, Skanska

PROPOSED CONTRACT MODIFICATION:

Please submit an itemized proposal for changes in the Contract Time and Contract Sum for the following proposed modifications to the Contract Documents (This document is not a Change Order, Field Authorization or direction to proceed with the work described herein):

Make the following changes to the extent of the perforated roof deck:

- 1. Revise the extent of perforated roof deck at the Commons per SSK-SSK-077.
- 2. Provide perforated roof deck above Culinary Arts Lab 1601 per SSK-SSK-078.
- 3. Provide perforated roof deck north of grid 7 at the Wrestling/ Fitness area per SSK-SSK-079.

Reference: S4.12, S4.16, S4.16

Attachments: SSK-077, SSK-078 and SSK-079

PROPOSED CONTRACT ADJUSTMENTS:

The proposed change to the Contract Sum or Guaranteed Maximum Price for all work described above is:

- (increase) (decrease) of : \$ _____ (Washington State Sales Tax not included) or,
- The Contract Sum shall remain unchanged.

The proposed change to the Contract Time for all work described above is:

- (increase) (decrease) of _____ days or;
- The Contract Time will remain unchanged.

The foregoing amount includes all direct and indirect costs for material, labor and supplies related to this change and to the effect of this change on the remainder of the Project. All other provisions of the Contract remain in full force and effect. The Contractor agrees to be bound by this proposal for ninety (90) days after this date.

Submitted by: [Signature]
General Contractor

Date: 3-3-14

We have examined the foregoing proposal, negotiated with the Contractor where necessary, and find it to be reasonable.

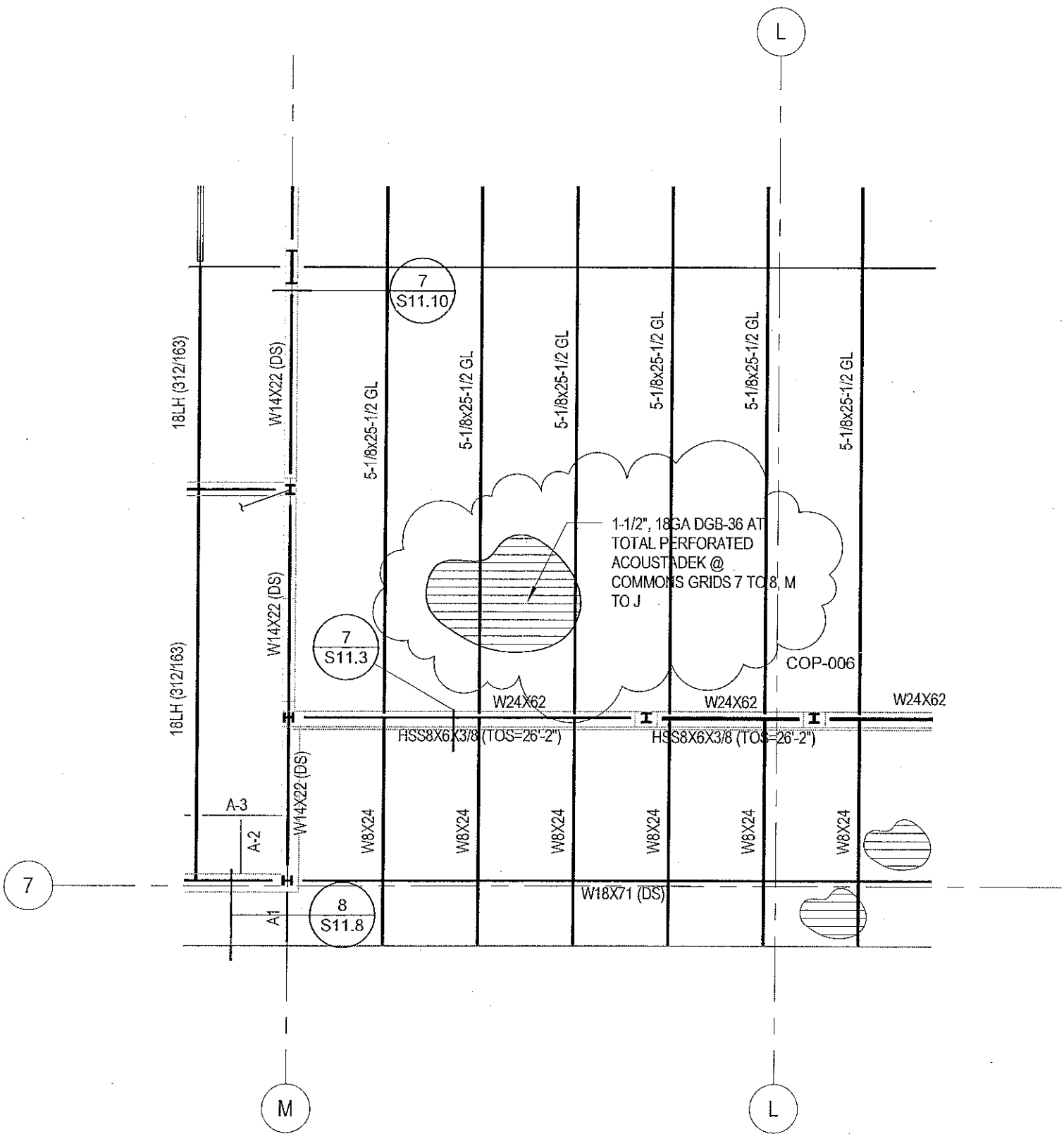
Approved By: _____
McGranahan Architects

Date: _____

The Owner hereby accepts the foregoing proposal. This document when fully signed constitutes the conditions upon which a Change Order will be issued.

Accepted By: _____
Woodland School District No. 404

Date: _____



WOODLAND HIGH SCHOOL

1119.000

McGRANAHAN architects

F 253
383 3097
T 253
383 3084

TITLE: PARTIAL ROOF FRAMING PLAN - COMMONS

REFERENCE: S4.12

SCALE: 1/8" = 1'-0"

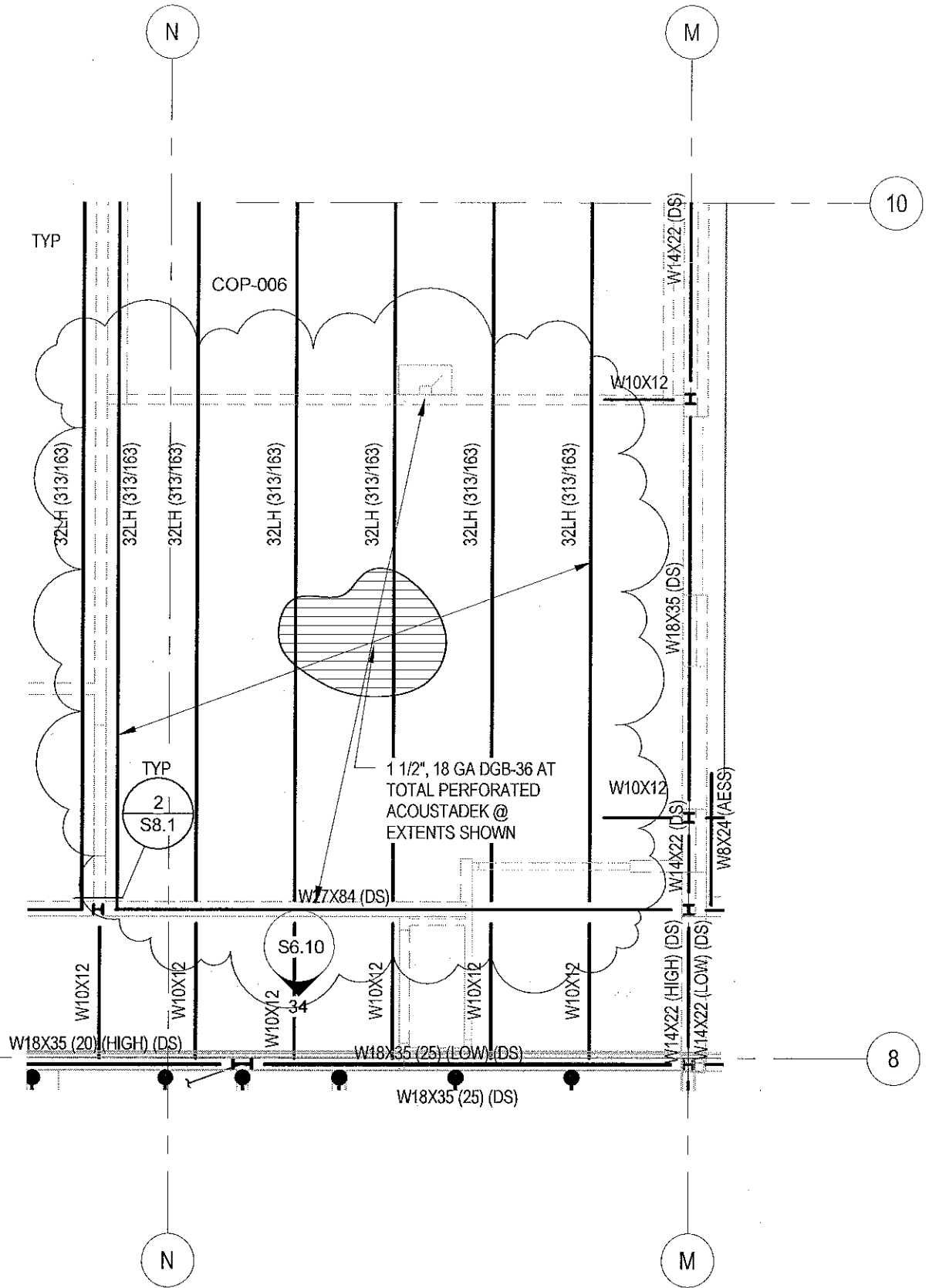
ISSUED FOR: COP-006

DATE: 02.06.14

SSK-077

REVISED: RRM

DRAWN BY: CCC



WOODLAND HIGH SCHOOL

1119.000

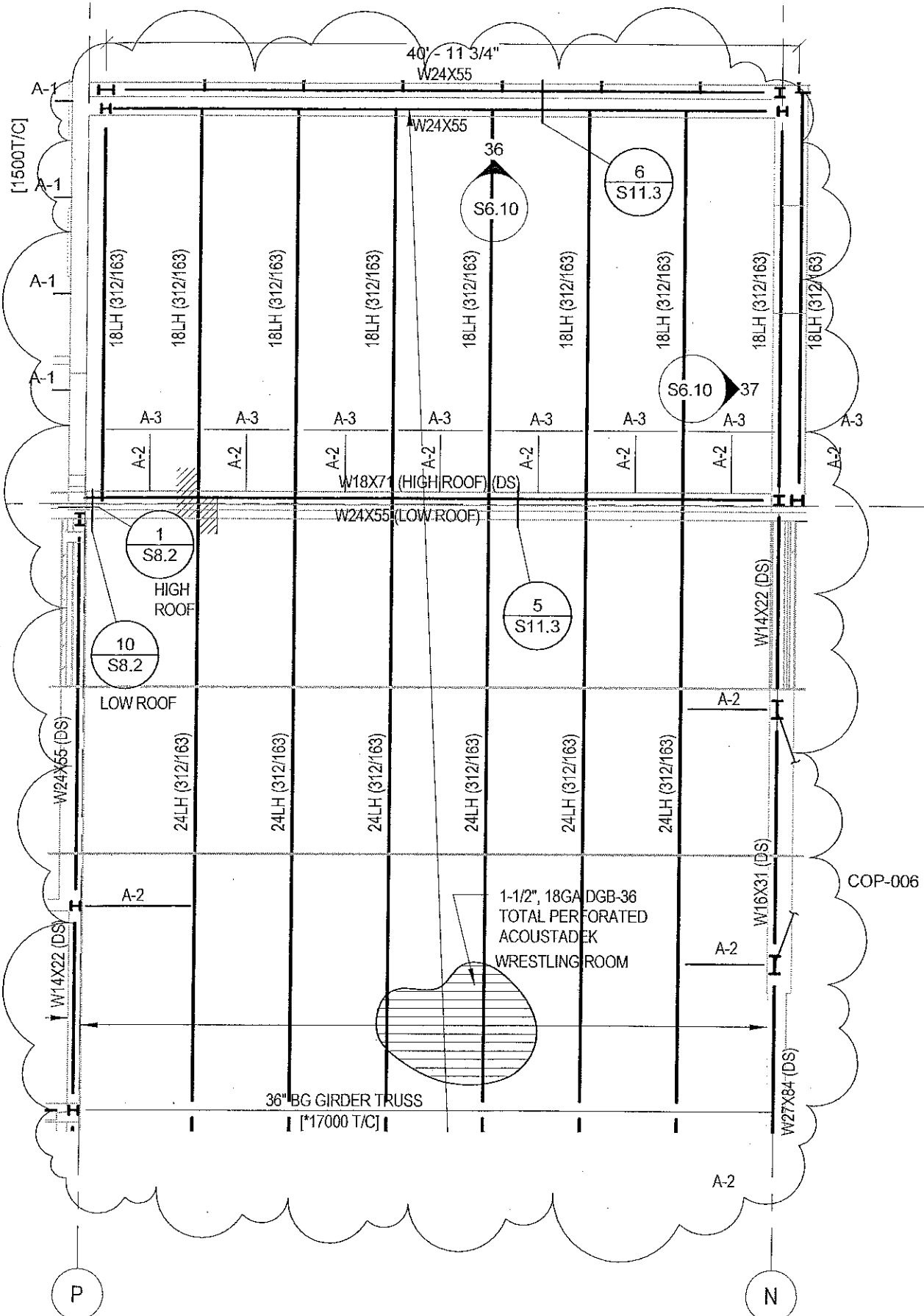
McGRANAHAN architects

TITLE: PARTIAL ROOF FRAMING PLAN - GYM- N
 REFERENCE: S4.15
 SCALE: 1/8" = 1'-0"
 ISSUED FOR: COP-006
 DATE: 02.06.14

SSK-078

REVISED: RRM
 DRAWN BY: CCC

253
 F 383 3097
 253
 T 383 3084



WOODLAND HIGH SCHOOL

1119.000

McGRANAHAN architects

TITLE:	PARTIAL ROOF FRAMING PLAN - GYM- S
REFERENCE:	S4.16
SCALE:	1/8" = 1'-0"
ISSUED FOR:	COP-006
DATE:	02.06.14

SSK-079

REVISED:	RRM
DRAWN BY:	CCC

F	253	383 3097
T	253	383 3084



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 039

Date: 2/23/2014

To: Steve Broback
McGranahan Architects
2111 Pacific Avenue, Suite 100
Tacoma, WA 98402

From: Trevor Wyckoff
Skanska USA Building Inc.
222 SW Columbia Street, Suite 300
Portland, OR 97201

Description	Category	Status
COP#012 - Door Frame 1401CB Revision		Submitted

Reference	Required By	Days Req	Amt Req
	3/2/2014	0(\$	2,326)

Notes
This Change Order Request is for the credit to modify the door type at door 1401CB in accordance with COP#012.

GE No	Date	Reference	Amt Prop	Days Req	Category	Reason

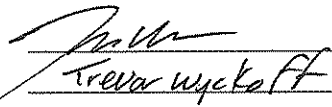
Description	Notes
0076	2/20/2014 (\$ 2,326) 0
COP#012 - Door Frame 1401CB Revision	

Item No	Item Description	Amt Prop	Reference
0001	Door Revision - COP#012	(\$ 769)	
0002	Glass Reduction - COP#012	(\$ 1,488)	
0003	General Liability Insurance	(\$ 23)	
0004	Subcontract Subguard Bond	(\$ 23)	
0005	GC P&P Bond	(\$ 23)	

Submitted By:

Signature

Name


Trevor Wyckoff

3-7-14
Date

2111 Pacific, Suite 100 Tacoma, Washington 98402

CHANGE ORDER PROPOSAL: 012

Woodland High School
Date: February 19, 2014
To: Trevor Wyckoff, Skanska

PROPOSED CONTRACT MODIFICATION:

Please submit an itemized proposal for changes in the Contract Time and Contract Sum for the following proposed modifications to the Contract Documents (This document is not a Change Order, Field Authorization or direction to proceed with the work described herein):

- 1. Change frame at door 1401CB from Type 15 to Type 2.
- 2. Change door from Type A to Type B.

Reference: A10.00

Attachments: ASK-108

PROPOSED CONTRACT ADJUSTMENTS:

The proposed change to the Contract Sum or Guaranteed Maximum Price for all work described above is:

- (increase) (decrease) of \$ 2,326 (Washington State Sales Tax not included) or,
- The Contract Sum shall remain unchanged.

The proposed change to the Contract Time for all work described above is:

- (increase) (decrease) of _____ days or;
- The Contract Time will remain unchanged.

The foregoing amount includes all direct and indirect costs for material, labor and supplies related to this change and to the effect of this change on the remainder of the Project. All other provisions of the Contract remain in full force and effect. The Contractor agrees to be bound by this proposal for ninety (90) days after this date.

Submitted by: [Signature]
General Contractor

Date: 3-7-2014

We have examined the foregoing proposal, negotiated with the Contractor where necessary, and find it to be reasonable.

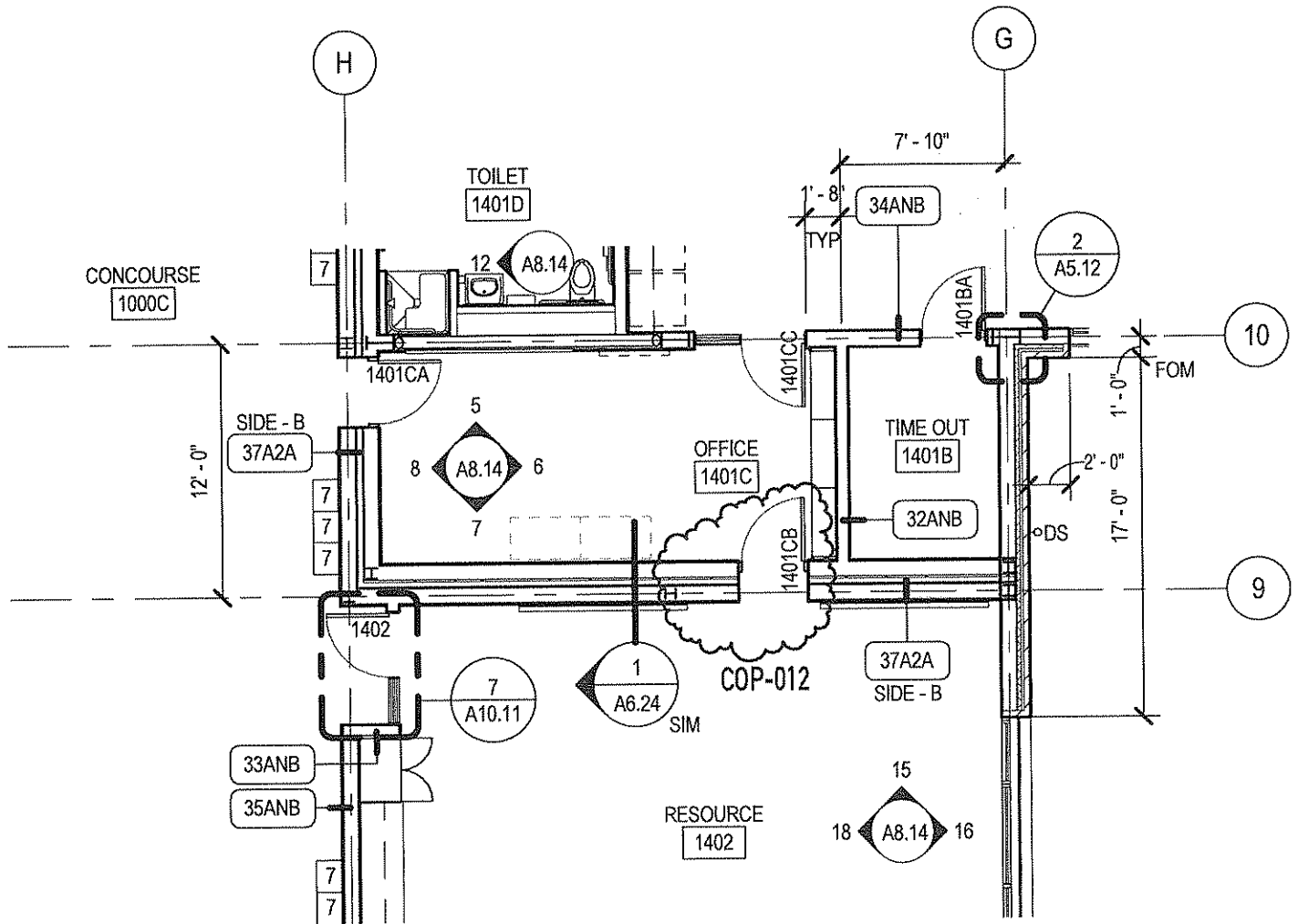
Approved By: _____
McGranahan Architects

Date: _____

The Owner hereby accepts the foregoing proposal. This document when fully signed constitutes the conditions upon which a Change Order will be issued.

Accepted By: _____
Woodland School District No. 404

Date: _____



WOODLAND HIGH SCHOOL

1119.000

McGRANAHAN architects

TITLE: PARTIAL FIRST FLOOR PLAN

REFERENCE: A2.13

SCALE: 1/8" = 1'-0"

ISSUED FOR: COP-012

DATE: 02/19/14

ASK-108

REVISED: MJR

DRAWN BY: MJR

253
F 383 3097
253
T 383 3084



CHANGE ORDER PROPOSAL #3

Woodland HS

Date: 03.07.14

To: SKANSKA
 Attn: Trevor Wyckoff
 Phone: 503-320-4633
 Fax:
 E-Mail: trevor.wyckoff@skanska.com

STG Project #:
 Project: Woodland HS
 Location: Woodland, WA
 Project Manager: Will Sullivan
 email: wills@southtownglass.com
 Phone: 503-983-8348

South Town Glass is pleased to offer our Change Order Request for the referenced project: This proposal is limited to the proposed changes noted below.

Per COP #12, dated 02/2/14. Change framing and door at 1401CB from frame Type 15 to Type 2. Change door type from Type A to Type B.

This change reduces the quantity & square footage of fire rated glazing.

	Cost	M/U	Extension
Materials	\$ (1,488.00)	-	\$ (1,488.00)
Labor	\$ -	-	\$ -
Miscellaneous	\$ -	-	\$ -
		NET INCREASE	\$ (1,488.00)
		Small tools 5%	\$ -
		PROFIT/OVERHEAD 16%	\$ -

TOTAL CHANGE ORDER VALUE \$ (1,488.00) EACH



American Direct – Kansas City
 11000 Lakeview Avenue
 Lenexa, KS 66219

Phone (800)593-5310
 (913)677-5588
 Fax (913)677-5576

AD Job #: 118241.08
 Customer: WPI

Project: Woodland High School
 Location: Weeband, WA

American Direct Change Date	American Direct Change Number	Customer C.O. Number	Description of Changes	HM Doors & Frames	Wood Doors & Frames	Finish Hardware	Total Amount
2/26/2014	2		COP #012	-\$882.64	\$113.89	\$0.00	-\$768.75
			Deduct 1 (ea) frame elevation 15a	-\$1,568.47			
			add 1 (ea) frame elevation 2	\$685.83			
			deduct 1 (ea) WD type A		-\$573.48		
			add 1 (ea) WD type B		\$687.37		
			This change order includes the items listed above. Any additionally requested items shall require an equitable increase in contract.				
			Freight is included				
Prices EXCLUDE all applicable taxes.							

Tax is not included in totals below!!!

Please attach a signed authorization for American Direct to order this material and in turn a statement that company will pay for it as part of this total project included in your Contract / P.O.. This material cannot be released for shipment prior to receipt of this authorization. A faxed copy is sufficient for release.

Notes:

Above pricing is based on current material status for this project.
 Should status of material change prior to approval, this proposal will expire.
 Written authorization is required prior to implementation of any changes.

Authorized Signature _____
 Printed Name & Title: _____
 Date _____



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 042 **Date: 3/7/2014**

To: Steve Broback McGranahan Architects 2111 Pacific Avenue, Suite 100 Tacoma, WA 98402	From: Trevor Wyckoff Skanska USA Building Inc. 222 SW Columbia Street, Suite 300 Portland, OR 97201
---	---

Description	Category	Status
COP#014 - Cross Vent Block Size		Submitted

Reference	Required By	Days Req	Amt Req
	3/14/2014	0	\$ 4,976

Notes
 This Change Order Request is for the additional costs associated with the change in roof cross vent block size in accordance with COP#014 dated 3.6.2014.

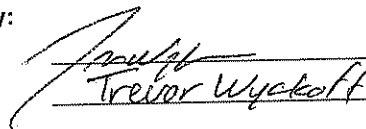
CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
0084	3/7/2014		\$ 4,976	0		
COP#014 - Cross Vent Block Size						

Item No	Item Description	Amt Prop	Reference
0001	Roof Toppers shall supply and install 1 1/2" vent blocking in accordance with COP#014 dated March 6, 2014.	\$ 4,564	
0002	General Liability Insurance	\$ 46	
0003	GC P&P Bond	\$ 46	
0004	Subcontractor Subguard Bond	\$ 46	
0005	Skanska Fee	\$ 274	

Submitted By:

Signature

Name


 Trevor Wyckoff

3-7-2014

Date

2111 Pacific, Suite 100 Tacoma, Washington 98402

CHANGE ORDER PROPOSAL: 014

Woodland High School

Date: March 6, 2014

To: Trevor Wyckoff, Skanska

PROPOSED CONTRACT MODIFICATION:

Please submit an itemized proposal for changes in the Contract Time and Contract Sum for the following proposed modifications to the Contract Documents (This document is not a Change Order, Field Authorization or direction to proceed with the work described herein):

Increase vent block height from 1" to 1 1/2". The increase will provide better ventilation. The flashings and copings are currently sized to accommodate 1 1/2" blocking so no change is required to these components..

Reference: Section 07 31 13

Attachments: None

PROPOSED CONTRACT ADJUSTMENTS:

The proposed change to the Contract Sum or Guaranteed Maximum Price for all work described above is:

- (increase) (decrease) of : \$ 4,976 (Washington State Sales Tax not included) or,
- The Contract Sum shall remain unchanged.

The proposed change to the Contract Time for all work described above is:

- (increase) (decrease) of _____ days or;
- The Contract Time will remain unchanged.

The foregoing amount includes all direct and indirect costs for material, labor and supplies related to this change and to the effect of this change on the remainder of the Project. All other provisions of the Contract remain in full force and effect. The Contractor agrees to be bound by this proposal for ~~ninety (90)~~ days after this date. 45 days

Submitted by: [Signature]
General Contractor

Date: 3-7-2014

We have examined the foregoing proposal, negotiated with the Contractor where necessary, and find it to be reasonable.

Approved By: _____
McGranahan Architects

Date: _____

The Owner hereby accepts the foregoing proposal. This document when fully signed constitutes the conditions upon which a Change Order will be issued.

Accepted By: _____
Woodland School District No. 404

Date: _____



ROOF TOPPERS

5709 N.E. 88th Street · Vancouver, WA 98665

To: Skanska
Project Name: Woodland High School
Project Number:
From: Barry Schlecht
COP #: 1
Date: 3/7/2014

Description of Proposed Work:
Change vent space from 1" to 1.5" on vented insulation

Labor Hr	Labor \$	Materials	Equipment	Subcontractor	Total	Additional Days
Insulation		\$3,150.00	0		\$3,150.00	0
Fastners		\$819.00			\$819.00	
Subtotal					\$3,969.00	0
Roof Toppers' Markup (15%)					\$595.35	
Total					\$4,564.35	0



PORTLAND ALLIED BUILDING PRODUCTS CORP.
 PHONE # 503-256-5544 FAX # 503-256-5784
MALARKEY SHINGLES PROJECT BID SHEET

Contractor Name	_____	Revised Date	_____
Contact Name	_____	Original Bid Date	_____
Project Name	Woodland High School	Project Bid Date	October 9, 2013
Project Size	900 squares	Quote Time	_____
Project Location	Woodland Washington	Delivery	Direct
Good Thru	See Dates below	Pitch	_____
Quoted by	Kim	Type	_____
General Contractor	_____	PB OR PN	_____
Project Notes	Pricing is FOB job site fork unload		

NOTES	DESCRIPTION	PACKAGING	UNIT	SELL
Thru May 2014	273 Legacy SBS AB Shingles		Per SQ	\$ 104.80
Thru May 2014	225 SBS Hip & Ridge		Per Bndl	\$ 38.25
Thru May 2014	401 Arctic Seal Ice & water Shield	39"x66" long	Per Roll	\$ 64.75
Thru May 2014	Malarkey Synthetic Underlayment	10 square roll	Per Roll	\$ 124.75
Thru May 2014	Malarkey Smart Start Starter	72' per bndl	Per Bndl	\$ 24.15
				\$ -
Thru May 2014	4.2" R-15.0 Cool Vent with 5/8" CDX 4'x8'	10 pcs per pallet	Per SQ	\$ 231.10
Thru May 2014	2.6" R-15.0 Poly Iso 4'x8'	18 pcs per pallet	Per SQ	\$ 84.10
				\$ -
Thru May 2014	8" SIP Fasteners		Per Thousand	\$ 349.45
				\$ -
Thru Dec 2013	Carlisle WIP 300HT Underlayment for Metal Roof	3'x75' roll	Per Roll	\$ 95.00
	Henry's PE 200 HT Underlayment	3'x65' roll	Per Roll	\$ 139.05
Thru May 2014	Georgia Pacific 1/4" Primed Dens Deck 4'x8'	42 pcs per pallet	Per SQ	\$ 44.80
				\$ -
Thru May 2014	4.7" R-15.0 Cool Vent With 5/8" CDX 4x8	10 pcs per pallet	Per SQ	\$ 234.25
				\$ -
Thru May 2014	8-1/2" SIP Fastener		Per Thousand	\$ 363.55
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -

Screws + \$14.10 per 1000
 \$ 3.15 per SQ





Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 045 Date: 3/11/2014

To: Steve Broback, McGranahan Architects, 2111 Pacific Avenue, Suite 100, Tacoma, WA 98402
From: Trevor Wyckoff, Skanska USA Building Inc., 222 SW Columbia Street, Suite 300, Portland, OR 97201

Table with 3 columns: Description, Category, Status. Row: COP#015 - Delete Hot Water to PK-101, Submitted

Table with 4 columns: Reference, Required By, Days Req, Amt Req. Row: 3/18/2014, 0(\$), 611

Notes: This Change Order Request is for the credit to eliminate the hot water piping shown to four sink PK-101 locations, in accordance with Change Order Proposal #015 dated March 6, 2014.

Table with 7 columns: CE No, Date, Reference, Amt Prop, Days Req, Category, Reason

Table with 2 columns: Description, Notes

Table with 7 columns: CE No, Date, Reference, Amt Prop, Days Req, Category, Reason. Row: 0085, 3/11/2014, (\$ 611), 0, COP#015 - Delete Hot Water to PK-101

Table with 4 columns: Item No, Item Description, Amt Prop, Reference. Rows: 0001 (Delete hot water piping...), 0002 (General Liability Insurance), 0003 (GC P&P Bond), 0004 (Subcontractor Subguard Bond)

Submitted By:

Signature

Name

Handwritten signature of Trevor Wyckoff

3-11-2014

Date

2111 Pacific, Suite 100 Tacoma, Washington 98402

CHANGE ORDER PROPOSAL: 015

Woodland High School

Date: March 6, 2014

To: Trevor Wyckoff, Skanska

PROPOSED CONTRACT MODIFICATION:

Please submit an itemized proposal for changes in the Contract Time and Contract Sum for the following proposed modifications to the Contract Documents (This document is not a Change Order, Field Authorization or direction to proceed with the work described herein):

The hand sink (fixture PK-101) has an integral water heater and only requires a 1/2" cold water connection. The 1/2" hot water connection as shown on the plumbing fixture schedule (sheet M0.02) and the enlarged kitchen plan (sheet M2.47) is not needed. Provide a credit to the owner for the labor and materials associated with the installation of this piping. This occurs at four locations.

Reference: M2.47

Attachments: None

PROPOSED CONTRACT ADJUSTMENTS:

The proposed change to the Contract Sum or Guaranteed Maximum Price for all work described above is:

(increase) ~~(decrease)~~ of: \$ 611.00 (Washington State Sales Tax not included) or,


The Contract Sum shall remain unchanged.

The proposed change to the Contract Time for all work described above is:

(increase) (decrease) of _____ days or;

The Contract Time will remain unchanged.

The foregoing amount includes all direct and indirect costs for material, labor and supplies related to this change and to the effect of this change on the remainder of the Project. All other provisions of the Contract remain in full force and effect. The Contractor agrees to be bound by this proposal for ninety (90) days after this date.

Submitted by: 
General Contractor

Date: 3-11-2014

We have examined the foregoing proposal, negotiated with the Contractor where necessary, and find it to be reasonable.

Approved By: _____
McGranahan Architects

Date: _____

The Owner hereby accepts the foregoing proposal. This document when fully signed constitutes the conditions upon which a Change Order will be issued.

Accepted By: _____
Woodland School District No. 404

Date: _____

Eagle Harbor Associates LLC

PAGE #1

CHANGE ORDER PROPOSAL-----# **EH-09** DATE----- 03/10/14 REVISION # 1
 CHANGE ORDER - RFI - ASI - EWO ----# **COP 015** PROJECT-- **Woodland High School** JOB #1304
 DESCRIPTION-----**Delete Hot water to PK-101**
 LOCATION-----

LABOR -

description	rate	hour	=	subtotal	TOTAL
a. plumber/fitter, s.t.	\$62.57	-7	=	-\$437.99	
b. plumber/fitter, s.t. Foreman	\$66.76	0	=	\$0.00	
c. plumber/fitter, o.t.	\$93.85	0	=	\$0.00	
d. plumber/fitter, o.t. Foreman	\$100.14	0	=	\$0.00	
e. as-builts	\$66.76	1	=	\$66.76	
f. cordination	\$66.76	0	=	\$0.00	
g. Driver		0	=	\$0.00	
0 total hours		0			
subtotal labor-----				-\$371.23	-\$371.23

ALLOWANCE FOR LABOR BURDEN @----- 18.00% ----- \$-66.82
 (includes labor tax, industrial insurance, employment insurance, payroll portion of general liability.)
 SUB-TOTAL LABOR ----- **-\$438.05**

ALLOWANCE FOR SAFETY @----- 0.00% ----- \$0.00

ALLOWANCE FOR SMALL TOOLS @----- 0.00% ----- \$0.00

TOTAL LABOR----- **-\$438.05**

MATERIAL - PAGE #2, MATERIAL BREAKDOWN BALANCE FORWARD

balance forward----- = **-\$155.00**

subtotal material----- -\$155.00 ----- \$-155.00

ALLOWANCE FOR FRT. & HDLG. ON MAT. ----- 0.00% ----- \$0.00

TOTAL MATERIAL----- **-\$155.00**

EQUIPMENT -

description	duration	rate	unit	=		
a.	0			=	\$0.00	
b.				=	\$0.00	
c.				=	\$0.00	
TOTAL EQUIPMENT ----					\$0.00	\$0.00

SUBTOTAL EAGLE HARBOR ASSOCIATES DIRECT COSTS - \$-593.05

OVERHEAD ON EHA WORK @----- 0.00% ----- \$0.00

TOTAL Eagle Harbor Associates LLC PORTION ----- **-\$593.05**

SUBCONTRACTOR WORK --

a.			=		
b.			=	\$0.00	
c.			=	\$0.00	

0 subtotal subcontractor -- \$0.00 ----- \$0.00

EHA, OVERHEAD/PROFIT - SUBCONTRACT WORK - 12.00% ----- \$0.00

TOTAL SUBCONTRACTOR----- **\$0.00**

Insurance @ 0.8% ----- \$0.00

Bond Premium @ 1% ----- \$0.00

TIME EXTENSION IN CALENDAR DAY'S ----- **0**

REMARKS -- TOTAL DUE THIS PROPOSAL----- **-\$593.05**

- a. EXCLUSIONS PER SUBCONTRACT
- b.
- c.

MATERIAL -

description	quantity	cost / unit	unit	=	subtotal
a. Deduct			lf	=	\$0.00
b. 1/2" pex pipe	-60	\$0.40	lf	=	-\$24.00
c. 2-1/2"x1/2" copper t	-1	\$21.00	ea	=	-\$21.00
d. 1-1/2"x1/2" pex tee	-1	\$10.00	ea	=	-\$10.00
e. 1"x1/2" pex tee	-2	\$4.00	ea	=	-\$8.00
f. 1/2" pex 90's	-8	\$1.50	ea	=	-\$12.00
g. misc hangers	-8	\$10.00	ea	=	-\$80.00
h.			ea	=	\$0.00
i.			lf	=	\$0.00
j.			lf	=	\$0.00
k.			lf	=	\$0.00
l.			ea	=	\$0.00
m.			ea	=	\$0.00
n.			ea	=	\$0.00
o.			ea	=	\$0.00
p.			ea	=	\$0.00
q.			ea	=	\$0.00
r.			ea	=	\$0.00
s.			ea	=	\$0.00
t.		\$0.00	ea	=	\$0.00
u.		\$0.00	0	=	\$0.00
v. 0		\$0.00	0	=	\$0.00
w. 0		\$0.00	0	=	\$0.00
x. 0		\$0.00	0	=	\$0.00
y. 0		\$0.00	0	=	\$0.00
z. 0		\$0.00	0	=	\$0.00
aa. 0		\$0.00	0	=	\$0.00
bb. 0		\$0.00	0	=	\$0.00
cc. 0		\$0.00	0	=	\$0.00
dd. 0		\$0.00	0	=	\$0.00
ee. 0		\$0.00	0	=	\$0.00
ff. 0		\$0.00	0	=	\$0.00
gg. 0		\$0.00	0	=	\$0.00
hh. 0		\$0.00	0	=	\$0.00
ii. 0		\$0.00	0	=	\$0.00
jj. 0		\$0.00	0	=	\$0.00
kk. 0		\$0.00	0	=	\$0.00
ll. 0		\$0.00	0	=	\$0.00
mm. 0		\$0.00	0	=	\$0.00
nn. 0		\$0.00	0	=	\$0.00
oo. 0		\$0.00	0	=	\$0.00
pp. 0		\$0.00	0	=	\$0.00
qq. 0		\$0.00	0	=	\$0.00
rr. 0		\$0.00	0	=	\$0.00
ss. 0		\$0.00	0	=	\$0.00
tt. 0		\$0.00	0	=	\$0.00
uu. 0		\$0.00	0	=	\$0.00
vv. 0		\$0.00	0	=	\$0.00
ww. 0		\$0.00	0	=	\$0.00
xx. 0		\$0.00	0	=	\$0.00
yy. 0		\$0.00	0	=	\$0.00
zz. 0		\$0.00	0	=	\$0.00

SUBTOTAL MATERIAL - (balance carried forward to page #1)----- **-\$155.00**

REMARKS -

a.

b.

c.



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 022 **Date: 2/13/2014**

To: Steve Broback McGranahan Architects 2111 Pacific Avenue, Suite 100 Tacoma, WA 98402	From: Trevor Wycckoff Skanska USA Building Inc. 222 SW Columbia Street, Suite 300 Portland, OR 97201
---	--

Description	Category	Status
Nutter Geogrid Repair Impacts		Submitted

Reference	Required By	Days Req	Amt Req
	2/20/2014	0 \$	6,512

Notes
 This Change Order Request is for the additional costs incurred by Skanska concrete due to the Phase 1 Contractor, Nutter remobilizing to the project site and repairing geogrid. The costs incurred were due to Saturday work, relocating materials so that Nutter could access geogrid repairs, and re-laying out foundations which were previously laid out by Skanska but excavated through by Nutter as they repaired their geogrid.

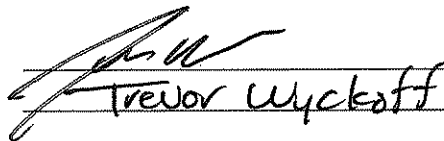
CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
0035	1/23/2014		\$ 6,512	0	Owner	
Nutter Geogrid Repair Impacts						

Item No	Item Description	Amt Prop	Reference
0001	Cast-in-Place Concrete - Skanska Concrete	\$ 6,325	
0002	GC Bond	\$ 63	
0003	Subcontractor Subguard Bond	\$ 63	
0004	Skanska Fee	\$ 0	
0005	General Liability Insurance	\$ 61	

Submitted By:

Signature

Name


 Trevor Wycckoff

3-5-2014

Date



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 022

Date: 2/13/2014

To: Steve Broback
McGranahan Architects
2111 Pacific Avenue, Suite 100
Tacoma, WA 98402

From: Trevor Wyckoff
Skanska USA Building Inc.
222 SW Columbia Street, Suite 300
Portland, OR 97201

Description	Category	Status
Nutter Geogrid Repair Impacts		Notified

Reference	Required By	Days Req	Amt Req
	2/20/2014	0	\$ 6,838

Notes
 This Change Order Request is for the additional costs incurred by Skanska concrete due to the Phase 1 Contractor, Nutter remobilizing to the project site and repairing geogrid. The costs incurred were due to Saturday work, relocating materials so that Nutter could access geogrid repairs, and re-laying out foundations which were previously laid out by Skanska but excavated through by Nutter as they repaired their geogrid.

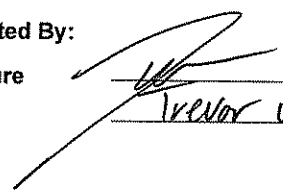
CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
0035	1/23/2014		\$ 6,838	0	Owner	
Nutter Geogrid Repair Impacts						

Item No	Item Description	Amt Prop	Reference
0001	Concrete Foundation Layout - Skanska Concrete	\$ 6,325	
0002	GC Bond	\$ 63	
0003	Subguard	\$ 63	
0004	Skanska Fee	\$ 387	

Submitted By:

Signature

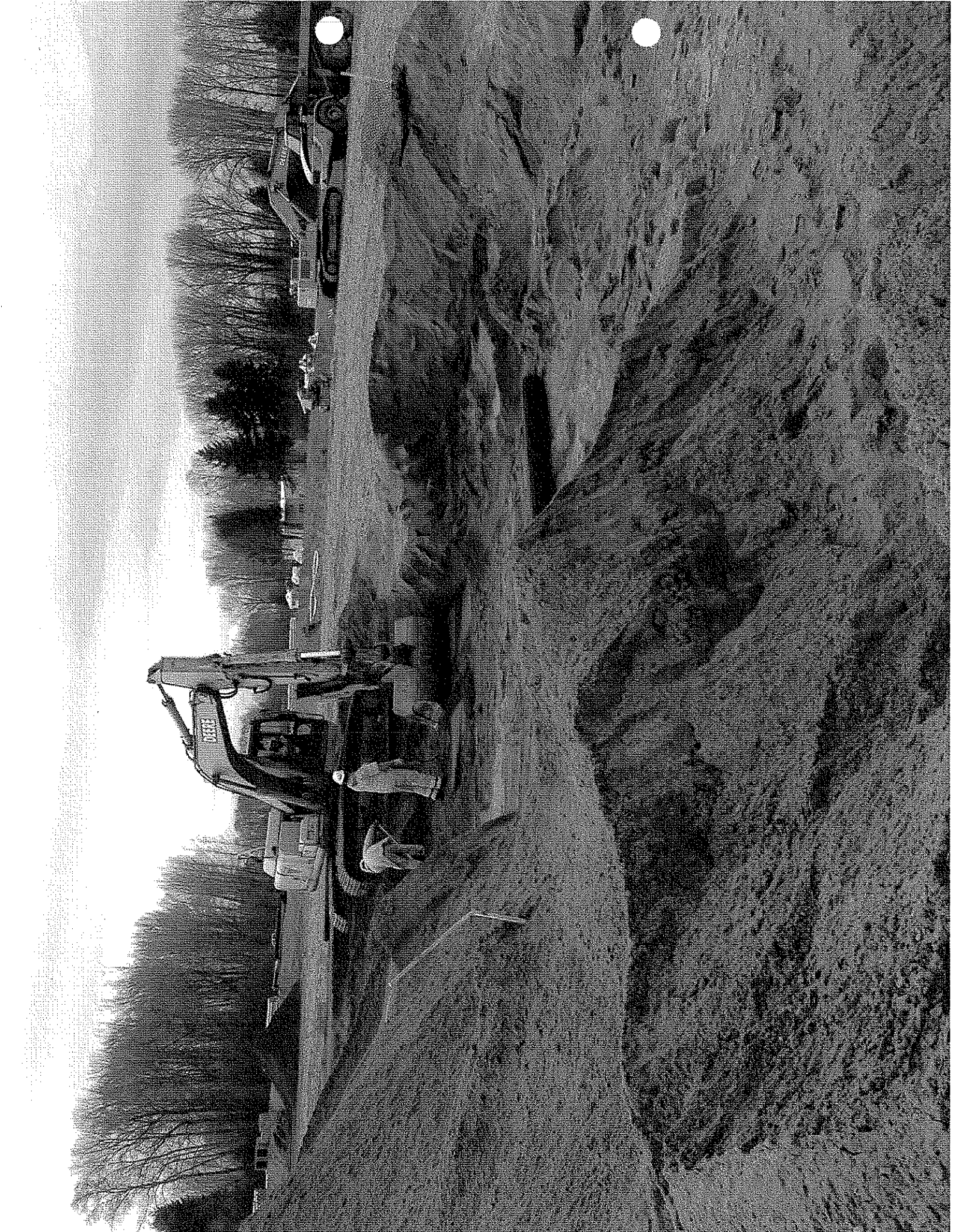
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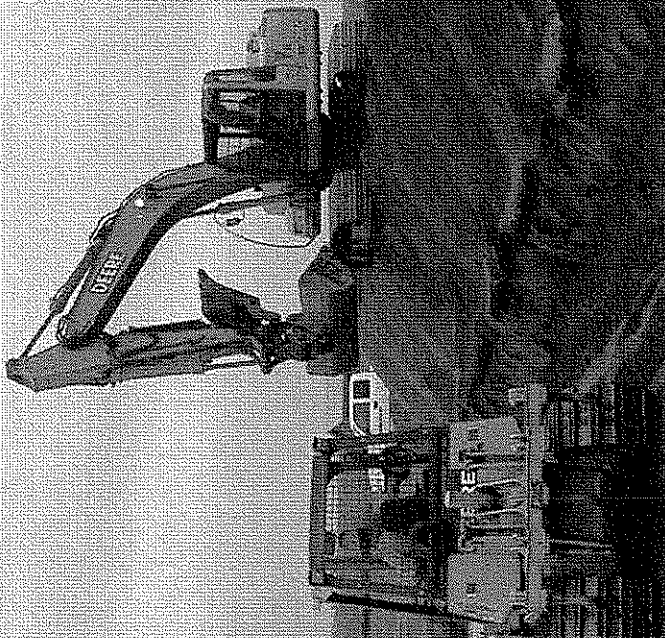

 Trevor Wyckoff

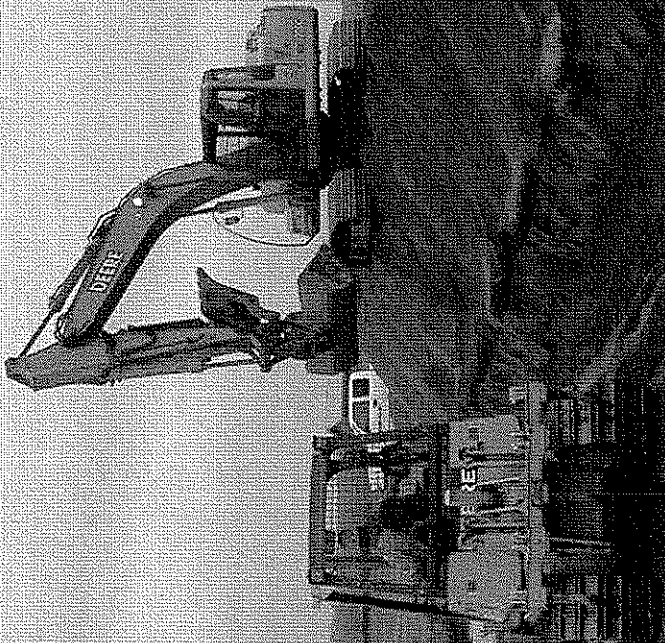
2/13/2014
 Date

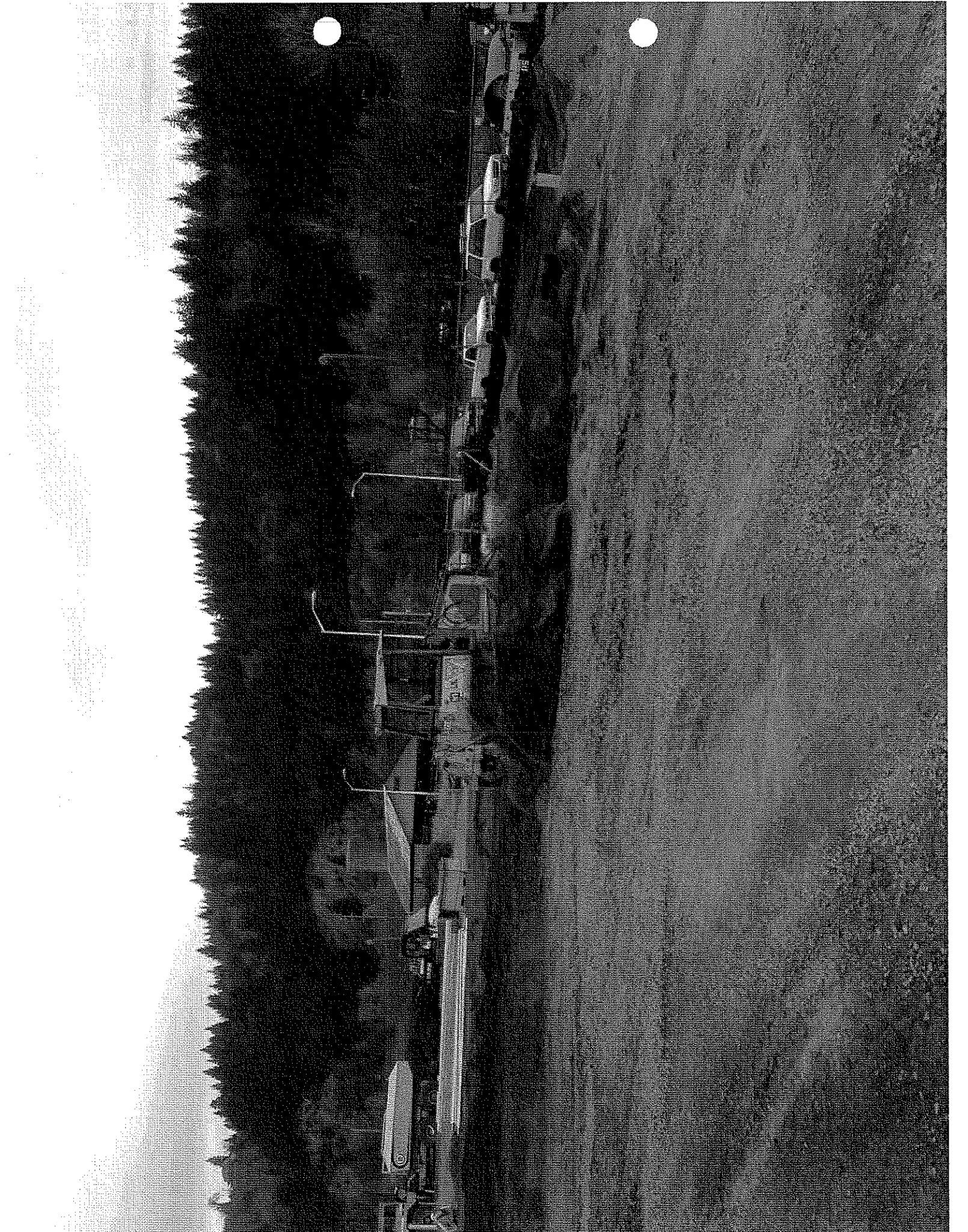


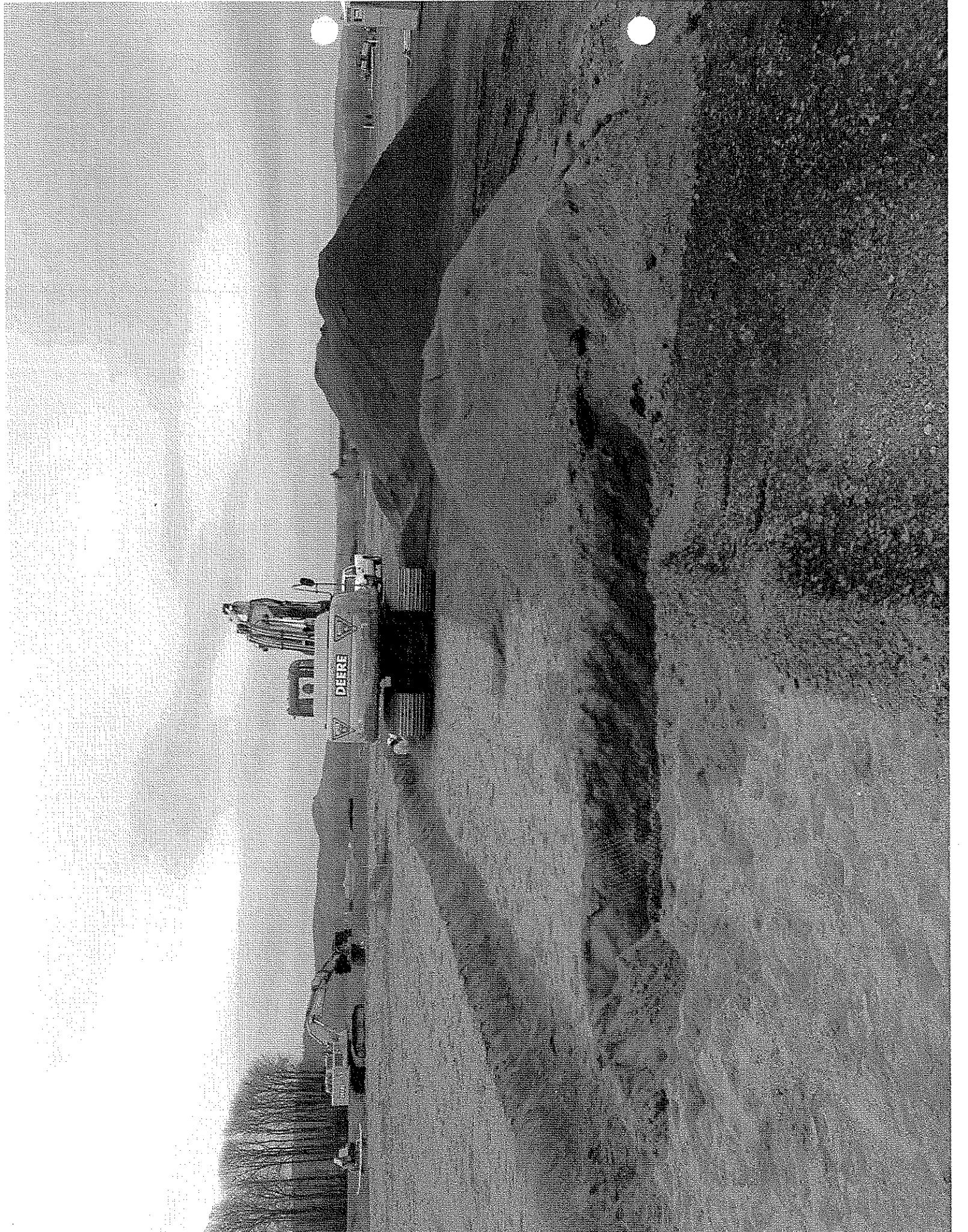
01/24/2014 10:42











COR#022- Nutter Geogrid Repair Impacts
SKANSKA USA BUILDING, INC.
Woodland High School
February 3, 2014

Skanska Concrete Direct Costs	Rate	Hours/Units	Costs
Concrete Assistant Super/General Foreman - Through 2/12/2014	\$78.00	3.5	\$273
Concrete Assistant Super/General Foreman - Remaining Projected	\$78.00	2	\$156
Concrete Layout Foreman - Through 2/12/2014	\$82.00	14	\$1,148
Concrete Layout Foreman - Remaining Projected	\$82.00	24	\$1,968
Concrete Carpenter Foreman - Through 2/12/2014	\$77.00	2	\$154
Concrete Carpenter Foreman - Remaining Projected	\$77.00	6	\$462
Concrete Carpenter Foreman - Overtime Rate	\$110.11	8	\$881
LEICA Total Station	\$64.50	1	\$65
Paint	\$16.25	14	\$228
Forklift	\$8.00	12	\$96
	\$17.50	4	\$70
	Direct Skanska Concrete Costs		\$5,500
	Skanska Concrete Mark Up (15%)		\$825
	Total Direct Skanska Concrete Costs		\$6,325



EXTRA WORK TRACKING

Skanska USA Inc.

WOODLAND HS
1500 Dike Access Rd
Woodland, WA 98674

CE # _____

Date 2-12-14

Project 4113074

Project No. Woodland HS

Issue No. _____

Description of work to be performed:

Re-layout flags on the east side of commons area due to disturbed ground from Netter Geogrid repairs in cartyard area.

Reference (RFI, DWG, SPEC, ETC.): _____

Employee Name	Craft	Straight Time Hours	Time & 1/2 Hours	Double Time Hours	Premium Time Only
<u>Steve Taylor</u>	<u>LAYOUT</u>	<u>6</u>			
<u>Curtis Huston</u>	<u>FOREMAN</u>	<u>2</u>			
<u>DAVID BLAKE</u>	<u>GEN FOREMAN</u>	<u>1.5</u>			

MATERIAL DESCRIPTION	QUANTITY
<u>ROBOT LEXIA TOTAL STATION</u>	<u>6</u>

EQUIPMENT	HOURS

The Above Record is complete and correct.

[Signature]
Submitted By: Skanska USA Building Inc.

GEN FOREMAN
Title

2-12-14
Date

Acceptance of Work By: G.C. Representative

Title

Date

Craft Designation: CF (Carpenter Foreman) C (Carpenter) LF (Labor Foreman) L (Laborer) IF (Ironworker Foreman) I (Ironworker) OPR (Operator)



EXTRA WORK TRACKING

Skanska USA Inc.

WOODLAND HS
1500 Dike Access Rd
Woodland, WA 98674

CE # _____

Date 1-29-14

Project WOODLANDHS

Project No. 4113074

Issue No. _____

Description of work to be performed:

Move material on south side of north classroom wing so that nutter could finish rocking where they had disturbed the rock TAPANE put down.

Reference (RFI, DWG, SPEC, ETC.): _____

Employee Name	Craft	Straight Time Hours	Time & 1/2 Hours	Double Time Hours	Premium Time Only
<u>Vince Liddiecoat</u>	<u>CARP.</u>	<u>1</u>			

MATERIAL DESCRIPTION	QUANTITY
<u>FORKLIFT</u>	<u>1HR</u>

EQUIPMENT	HOURS
<u>FORKLIFT</u>	

The Above Record is complete and correct.

Submitted By: Skanska USA Building Inc.

GEN FOREMAN
Title

1-29-14
Date

Acceptance of Work By: G.C. Representative

Title

Date

Craft Designation: CF (Carpenter Foreman) C (Carpenter) LF (Labor Foreman) L (Laborer) IF (Ironworker Foreman) I (Ironworker) OPR (Operator)

CE# 035

SKANSKA

EXTRA WORK TRACKING

Skanska USA Inc.

WOODLAND HS
1500 Dike Access Rd
Woodland, WA 98674

CE # _____

Date 1-27-14

Project Woodland H.S.

Project No. 4113074

Issue No. _____

Description of work to be performed: ~~Ref~~ Re layout footings on south side of east side of north classroom wing due to loss of layout from Nutter GEO GRID FIX. Also includes orientation of 2 Nutter employees.

Reference (RFI, DWG, SPEC, ETC.): _____

Employee Name	Craft	Straight Time Hours	Time & 1/2 Hours	Double Time Hours	Premium Time Only
Steve Taylor	Carpenter	5			
David Blake	CF	1			

MATERIAL DESCRIPTION	QUANTITY
Upside down paint	6

EQUIPMENT	HOURS
Leica Total station.	5

The Above Record is complete and correct.

David Blake
Submitted By: Skanska USA Building Inc.

Carp Foreman
Title

1-27-14
Date

Acceptance of Work By: G.C. Representative

_____ Title

_____ Date

Craft Designation: CF (Carpenter Foreman) C (Carpenter) LF (Labor Foreman) L (Laborer) IF (Ironworker Foreman) I (Ironworker) OPR (Operator)

CE # 035

SKANSKA

EXTRA WORK TRACKING

Skanska USA Inc.
 WOODLAND HS
 1500 Dike Access Rd
 Woodland, WA 98674

CE # _____
 Date 1-25-14
 Project Woodland HS
 Project No. 4113094
 Issue No. _____

Description of work to be performed: SATURDAY SUPERVISION OF NOTTER ON-SITE DUE TO GEO GRAD REPAIR ISSUES. Includes MOVING OF MATERIAL ALONG NORTH SIDE OF SOUTH CLASSROOM WING.

Reference (RFI, DWG, SPEC, ETC.): _____

Employee Name	Craft	Straight Time Hours	Time & 1/2 Hours	Double Time Hours	Premium Time Only
CURTIS HUSTON	FOREMAN		3		
MATERIAL DESCRIPTION		QUANTITY			
EQUIPMENT		HOURS			
FORKLIFT BK REACH		3			

The Above Record is complete and correct.

Dale Blair
 Submitted By: Skanska USA Building Inc.

FOREMAN
 Title

1-25-14
 Date

Acceptance of Work By: G.C. Representative

Title

Date

Craft Designation: CF (Carpenter Foreman) C (Carpenter) LF (Labor Foreman) L (Laborer) IF (Ironworker Foreman) I (Ironworker) OPR (Operator)



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 023

Date: 2/4/2014

To: Steve Broback
McGranahan Architects
2111 Pacific Avenue, Suite 100
Tacoma, WA 98402

From: Trevor Wyckoff
Skanska USA Building Inc.
222 SW Columbia Street, Suite 300
Portland, OR 97201

Description	Category	Status
RFI#054 Dilution Tank for P-9	Owner	Submitted

Reference	Required By	Days Req	Amt Req
	2/11/2014	0(\$	1,143)

Notes

This Change Order Request is for the credit for ~~seven~~ dilution tanks which are not necessary, per RFI#054.

ten

CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
-------	------	-----------	----------	----------	----------	--------

Description	Notes
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0058	1/28/2014	(\$	1,143)	0	Owner	Architect/Consultant Directive
------	-----------	-----	--------	---	-------	--------------------------------

RFI#054 Dilution tank for P-9 (EHA 03)

Item No	Item Description	Amt Prop	Reference
0001	Eagle Harbor - Plumbing Revisions	(\$	1,110)
0002	General Liability Insurance	(\$	11)
0003	GC Bond	(\$	11)
0004	Subcontractor Subguard Bond	(\$	11)

Submitted By:

Signature

Name

Trevor Wyckoff
Trevor Wyckoff

3-5-2014

Date

Eagle Harbor Associates LLC

CHANGE ORDER PROPOSAL # **EH-05** DATE 02/25/14 REVISION # 1
 CHANGE ORDER - RFI - ASI - EWO # **RFI-054** PROJECT **Woodland High School** JOB #1304
 DESCRIPTION **Dilution tank clarification**
 LOCATION

LABOR -

description	rate	hour	=	subtotal	TOTAL
a. plumber/fitter, s.t.	\$62.57	0	=	\$0.00	
b. plumber/fitter, s.t. Foreman	\$66.76	0	=	\$0.00	
c. plumber/fitter, o.t.	\$93.85	0	=	\$0.00	
d. plumber/fitter, o.t. Foreman	\$100.14	0	=	\$0.00	
e. as-builts	\$66.76	0	=	\$0.00	
f. cordination	\$66.76	0	=	\$0.00	
g. Driver		0	=	\$0.00	
0 total hours		0			
subtotal labor-----				\$0.00	\$0.00

ALLOWANCE FOR LABOR BURDEN @-----	18.00%	\$0.00
(includes labor tax, industrial insurance, employment insurance, payroll portion of general liability.)		
SUB-TOTAL LABOR -----		\$0.00
ALLOWANCE FOR SAFETY @-----	0.00%	\$0.00
ALLOWANCE FOR SMALL TOOLS @-----	0.00%	\$0.00
TOTAL LABOR-----		\$0.00

MATERIAL - PAGE #2, MATERIAL BREAKDOWN BALANCE FORWARD		
balance forward-----	=	-\$1,110.00
subtotal material-----		-\$1,110.00
ALLOWANCE FOR FRT. & HDLG. ON MAT. -----	0.00%	\$0.00
TOTAL MATERIAL-----		-\$1,110.00

EQUIPMENT -				
description	duration	rate	unit	=
a.	0			\$0.00
b.				\$0.00
c.				\$0.00
TOTAL EQUIPMENT ----				\$0.00

SUBTOTAL EAGLE HARBOR ASSOCIATES DIRECT COSTS -		-\$1,110.00
OVERHEAD ON EHA WORK @-----	0.00%	\$0.00
TOTAL Eagle Harbor Associates LLC PORTION -----		-\$1,110.00

SUBCONTRACTOR WORK --				
a.				\$0.00
b.				\$0.00
c.				\$0.00
0 subtotal subcontractor --				\$0.00
EHA, OVERHEAD/PROFIT - SUBCONTRACT WORK -	12.00%	\$0.00		
TOTAL SUBCONTRACTOR-----		\$0.00		

Insurance @ 0.8% \$0.00
 Bond Premium @ 1% \$0.00

TIME EXTENSION IN CALENDAR DAY'S -----	0	
REMARKS --	TOTAL DUE THIS PROPOSAL-----	
a. EXCLUSIONS PER SUBCONTRACT	-\$1,110.00	
b.		
c.		

MATERIAL -

description	quantity	cost / unit	unit	=	subtotal
a. Deduct			lf	=	\$0.00
b. Dilution traps	-10	\$166.00	ea	=	-\$1,660.00
c. Add			ea	=	\$0.00
d. Acid resistant Traps	10	\$55.00	ea	=	\$550.00
e.			ea	=	\$0.00
f.			ea	=	\$0.00
g.			ea	=	\$0.00
h.			ea	=	\$0.00
i.			lf	=	\$0.00
j.			lf	=	\$0.00
k.			lf	=	\$0.00
l.			ea	=	\$0.00
m.			ea	=	\$0.00
n.			ea	=	\$0.00
o.			ea	=	\$0.00
p.			ea	=	\$0.00
q.			ea	=	\$0.00
r.			ea	=	\$0.00
s.			ea	=	\$0.00
t.		\$0.00	ea	=	\$0.00
u.		\$0.00	0	=	\$0.00
v. 0		\$0.00	0	=	\$0.00
w. 0		\$0.00	0	=	\$0.00
x. 0		\$0.00	0	=	\$0.00
y. 0		\$0.00	0	=	\$0.00
z. 0		\$0.00	0	=	\$0.00
aa. 0		\$0.00	0	=	\$0.00
bb. 0		\$0.00	0	=	\$0.00
cc. 0		\$0.00	0	=	\$0.00
dd. 0		\$0.00	0	=	\$0.00
ee. 0		\$0.00	0	=	\$0.00
ff. 0		\$0.00	0	=	\$0.00
gg. 0		\$0.00	0	=	\$0.00
hh. 0		\$0.00	0	=	\$0.00
ii. 0		\$0.00	0	=	\$0.00
jj. 0		\$0.00	0	=	\$0.00
kk. 0		\$0.00	0	=	\$0.00
ll. 0		\$0.00	0	=	\$0.00
mm. 0		\$0.00	0	=	\$0.00
nn. 0		\$0.00	0	=	\$0.00
oo 0		\$0.00	0	=	\$0.00
pp. 0		\$0.00	0	=	\$0.00
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rr. 0		\$0.00	0	=	\$0.00
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uu. 0		\$0.00	0	=	\$0.00
vv. 0		\$0.00	0	=	\$0.00
ww. 0		\$0.00	0	=	\$0.00
xx. 0		\$0.00	0	=	\$0.00
yy. 0		\$0.00	0	=	\$0.00
zz. 0		\$0.00	0	=	\$0.00

SUBTOTAL MATERIAL - (balance carried forward to page #1)----- **-\$1,110.00**

REMARKS -

a.

b.

c.



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 023 Date: 2/4/2014

To: Steve Broback, McGranahan Architects, 2111 Pacific Avenue, Suite 100, Tacoma, WA 98402
From: Trevor Wyckoff, Skanska USA Building Inc., 222 SW Columbia Street, Suite 300, Portland, OR 97201

Table with 3 columns: Description, Category, Status. Row: RFI#054 Dilution Tank for P-9, Owner, Submitted

Table with 4 columns: Reference, Required By, Days Req, Amt Req. Row: , 2/11/2014, 0(\$, 777)

Notes: This Change Order Request is for the credit for seven dilution tanks which are not necessary, per RFI#054.

Table with 7 columns: CE No, Date, Reference, Amt Prop, Days Req, Category, Reason. Row: 0058, 1/28/2014, (\$ 777), 0, Owner, Architect/Consultant Directive

Table with 3 columns: Item No, Item Description, Amt Prop Reference. Row: 0001, Eagle Harbor - Plumbing Revisions, (\$ 777)

Submitted By:

Signature

Name

Handwritten signature of Trevor Wyckoff

2-4-2014
Date

Detailed, RFIs Grouped by RFI Number

Woodland High School

Project # 4113074-000
Tel: Fax:

Skanska USA Building Inc.

RFI #: 0054

Date Created: 1/17/2014

Answer Company	Answered By	Author Company	Authored By
McGranahan Architects 2111 Pacific Avenue, Suite 100 Tacoma, WA 98402	Steve Broback	Skanska USA Building Inc. 222 SW Columbia Street, Suite 300 Portland, OR 97201	David Franke

Co-Respondent	Author RFI Number
	EHA-03

Subject	Discipline	Category
Dilution tank for P-9 (EHA 03)	Plumbing	

Cc: Company Name	Contact Name	Copies	Notes
------------------	--------------	--------	-------

Question Date Required: 1/24/2014

Reference sheet M0.02 plumbing fixture schedule:

Please confirm that the P-9 duel faucet science sinks do not require a point of use dilution tank.

Suggestion

Answer Date Answered:

The dilution tanks are only required at the P-9, P-9B and P-9C sinks in CHEMISTRY LAB 2401, CHEMISTRY LAB 2402, and CHEMISTRY PREP 2401A, refer to construction note 1 on sheets M2.22 and M2.23. The remaining P-9, P-9B and P-9C sinks do not require dilution tanks.

John Justice, BCE Engineers, 01/17/2014

CHANGE ORDER PROPOSAL-----# **EH-05** DATE----- 01/28/14 REVISION #
 CHANGE ORDER - RFI - ASI - EWO-----# **RFI-054** PROJECT-- **Woodland High School** JOB #1304
 DESCRIPTION----- **Dilution tank clarification**
 LOCATION-----

LABOR -

description	rate	hour	=	subtotal	TOTAL
a. plumber/fitter, s.t.	\$62.57	0	=	\$0.00	
b. plumber/fitter, s.t. Foreman	\$66.76	0	=	\$0.00	
c. plumber/fitter, o.t.	\$93.85	0	=	\$0.00	
d. plumber/fitter, o.t. Foreman	\$100.14	0	=	\$0.00	
e. as-builts	\$66.76	0	=	\$0.00	
f. cordination	\$66.76	0	=	\$0.00	
g. Driver		0	=	\$0.00	
0 total hours		0			
subtotal labor-----				\$0.00	\$0.00

ALLOWANCE FOR LABOR BURDEN @----- 18.00% \$0.00
 (includes labor tax, industrial insurance, employment insurance, payroll portion of general liability.)
 SUB-TOTAL LABOR ----- **\$0.00**
 ALLOWANCE FOR SAFETY @----- 0.00% \$0.00
 ALLOWANCE FOR SMALL TOOLS @----- 0.00% \$0.00
 TOTAL LABOR----- **\$0.00**

MATERIAL - PAGE #2, MATERIAL BREAKDOWN BALANCE FORWARD

balance forward----- = **-\$777.00**
 subtotal material----- -\$777.00 -\$777.00
 ALLOWANCE FOR FRT. & HDLG. ON MAT. ----- 0.00% \$0.00
 TOTAL MATERIAL----- **-\$777.00**

EQUIPMENT -

description	duration	rate	unit	=	subtotal	TOTAL
a.	0			=	\$0.00	
b.				=	\$0.00	
c.				=	\$0.00	
TOTAL EQUIPMENT ----					\$0.00	\$0.00

SUBTOTAL EAGLE HARBOR ASSOCIATES DIRECT COSTS - -\$777.00
 OVERHEAD ON EHA WORK @----- 0.00% \$0.00
 TOTAL Eagle Harbor Associates LLC PORTION ----- **-\$777.00**

SUBCONTRACTOR WORK --

a.				=		
b.				=	\$0.00	
c.				=	\$0.00	
0 subtotal subcontractor --					\$0.00	\$0.00
EHA, OVERHEAD/PROFIT - SUBCONTRACT WORK -				12.00%		\$0.00
TOTAL SUBCONTRACTOR-----						\$0.00

Insurance @ 0.8% \$0.00
 Bond Premium @ 1% \$0.00

TIME EXTENSION IN CALENDAR DAY'S ----- **0**
 REMARKS -- TOTAL DUE THIS PROPOSAL----- **-\$777.00**

- a. EXCLUSIONS PER SUBCONTRACT
- b.
- c.

CHANGE ORDER PROPOSAL-----# **EH-05** 0 DATE ----- 01/28/14 REVISION # 0
CHANGE ORDER - RFI - ASI - EWO ---# **RFI-054** 0 PROJECT-- **Woodland High School** JOB #1303
DESCRIPTION----- **Dilution tank clarification**
LOCATION-----

MATERIAL -		quantity	cost / unit	unit	=	subtotal
a.	Deduct			lf	=	\$0.00
b.	Dilution traps	-7	\$166.00	ea	=	-\$1,162.00
c.	Add			ea	=	\$0.00
d.	Acid resistant Traps	7	\$55.00	ea	=	\$385.00
e.				ea	=	\$0.00
f.				ea	=	\$0.00
g.				ea	=	\$0.00
h.				ea	=	\$0.00
i.				lf	=	\$0.00
j.				lf	=	\$0.00
k.				lf	=	\$0.00
l.				ea	=	\$0.00
m.				ea	=	\$0.00
n.				ea	=	\$0.00
o.				ea	=	\$0.00
p.				ea	=	\$0.00
q.				ea	=	\$0.00
r.				ea	=	\$0.00
s.				ea	=	\$0.00
t.			\$0.00	ea	=	\$0.00
u.			\$0.00	0	=	\$0.00
v.	0		\$0.00	0	=	\$0.00
w.	0		\$0.00	0	=	\$0.00
x.	0		\$0.00	0	=	\$0.00
y.	0		\$0.00	0	=	\$0.00
z.	0		\$0.00	0	=	\$0.00
aa.	0		\$0.00	0	=	\$0.00
bb.	0		\$0.00	0	=	\$0.00
cc.	0		\$0.00	0	=	\$0.00
dd.	0		\$0.00	0	=	\$0.00
ee.	0		\$0.00	0	=	\$0.00
ff.	0		\$0.00	0	=	\$0.00
gg.	0		\$0.00	0	=	\$0.00
hh.	0		\$0.00	0	=	\$0.00
ii.	0		\$0.00	0	=	\$0.00
jj.	0		\$0.00	0	=	\$0.00
kk.	0		\$0.00	0	=	\$0.00
ll.	0		\$0.00	0	=	\$0.00
mm.	0		\$0.00	0	=	\$0.00
nn.	0		\$0.00	0	=	\$0.00
oo.	0		\$0.00	0	=	\$0.00
pp.	0		\$0.00	0	=	\$0.00
qq.	0		\$0.00	0	=	\$0.00
rr.	0		\$0.00	0	=	\$0.00
ss.	0		\$0.00	0	=	\$0.00
tt.	0		\$0.00	0	=	\$0.00
uu.	0		\$0.00	0	=	\$0.00
vv.	0		\$0.00	0	=	\$0.00
ww.	0		\$0.00	0	=	\$0.00
xx.	0		\$0.00	0	=	\$0.00
yy.	0		\$0.00	0	=	\$0.00
zz.	0		\$0.00	0	=	\$0.00

SUBTOTAL MATERIAL - (balance carried forward to page #1)----- **-\$777.00**

REMARKS -
a.
b.
c.



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 027 **Date: 2/3/2014**

To: Steve Broback McGranahan Architects 2111 Pacific Avenue, Suite 100 Tacoma, WA 98402	From: Trevor Wyckoff Skanska USA Building Inc. 222 SW Columbia Street, Suite 300 Portland, OR 97201
--	--

Description	Category	Status
RFI#052 Roof Drain Connection - Rev1		Submitted

Reference	Required By	Days Req	Amt Req
	2/10/2014	0 \$	4,711

Notes

This Change Order Request is for the additional costs associated with the roof drain connection work required by the response to RFI#052. The design documents show a 4" downspout from the building, but did not show the transitions required to go from the storm drain laterals to the downspout. The work required by the RFI response reducers, couplers and bends not previously indicated in the design documents.

There are 66 rain drain locations. Tapani completes this type of work with a three person crew. They have included costs for an additional 10 minutes per each rain drain location for their three person crew plus the added bends and reducer. The excavator, loader and crew truck are costs to the work because they are a part of the crew time to complete the work.

This Change Order Request specifically excludes the additional labor and equipment time associated with excavating through the geogrid for these utilities. Those costs are being tracked and will be submitted with CCD#005 pricing.

CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
Description		Notes				


0063	2/3/2014		\$ 4,711	0		
RFI#052 Roof Drain Connection						

Item No	Item Description	Amt Prop	Reference
0001	Tapani - provide roof drain connections in accordance with RFI#052.	\$ 4,321	
0002	GC Bond	\$ 43	
0003	Subcontractor Subguard Bond	\$ 43	
0004	Skanska Fee	\$ 260	
0005	General Liability Insurance	\$ 44	

Submitted By:

Signature

Name



 Trevor Wyckoff

3-5-2014

 Date



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 027

Date: 2/3/2014

To: Steve Broback
McGranahan Architects
2111 Pacific Avenue, Suite 100
Tacoma, WA 98402

From: Trevor Wyckoff
Skanska USA Building Inc.
222 SW Columbia Street, Suite 300
Portland, OR 97201

Description	Category	Status
RFI#052 Roof Drain Connection - Rev1		Submitted

Reference	Required By	Days Req	Amt Req
	2/10/2014	0 \$	4,671

Notes

This Change Order Request is for the additional costs associated with the roof drain connection work required by the response to RFI#052. The design documents show a 4" downspout from the building, but did not show the transitions required to go from the storm drain laterals to the downspout. The work required by the RFI response reducers, couplers and bends not previously indicated in the design documents.

There are 66 rain drain locations. Tapani completes this type of work with a three person crew. They have included costs for an additional 10 minutes per each rain drain location for their three person crew plus the added bends and reducer. The excavator, loader and crew truck are costs to the work because they are a part of the crew time to complete the work.

This Change Order Request specifically excludes the additional labor and equipment time associated with excavating through the geogrid for these utilities. Those costs are being tracked and will be submitted with CCD#005 pricing.

CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
-------	------	-----------	----------	----------	----------	--------

Description	Notes
-------------	-------

0063	2/3/2014		\$ 4,671	0		
RFI#052 Roof Drain Connection						

Item No	Item Description	Amt Prop	Reference
0001	Tapani - provide roof drain connections in accordance with RFI#052.	\$ 4,321	
0002	GC Bond	\$ 43	
0003	Subcontractor Subguard Bond	\$ 43	
0004	Skanska Fee	\$ 264	

al

Submitted By:

Signature

Name

Trevor Wyckoff

2/24/14

Date



Request for Information 0052

Detailed, RFIs Grouped by RFI Number

Woodland High School Project # 4113074-000 Skanska USA Building Inc.
Tel: Fax:

RFI #: 0052 Date Created: 1/16/2014

Table with 4 columns: Answer Company, Answered By, Author Company, Authored By. Includes McGranahan Architects and Skanska USA Building Inc.

Co-Respondent Author RFI Number

Subject: Roof Drain Connection Discipline: Civil Category:

Cc: Company Name Contact Name Copies Notes

Question Date Required: 1/23/2014

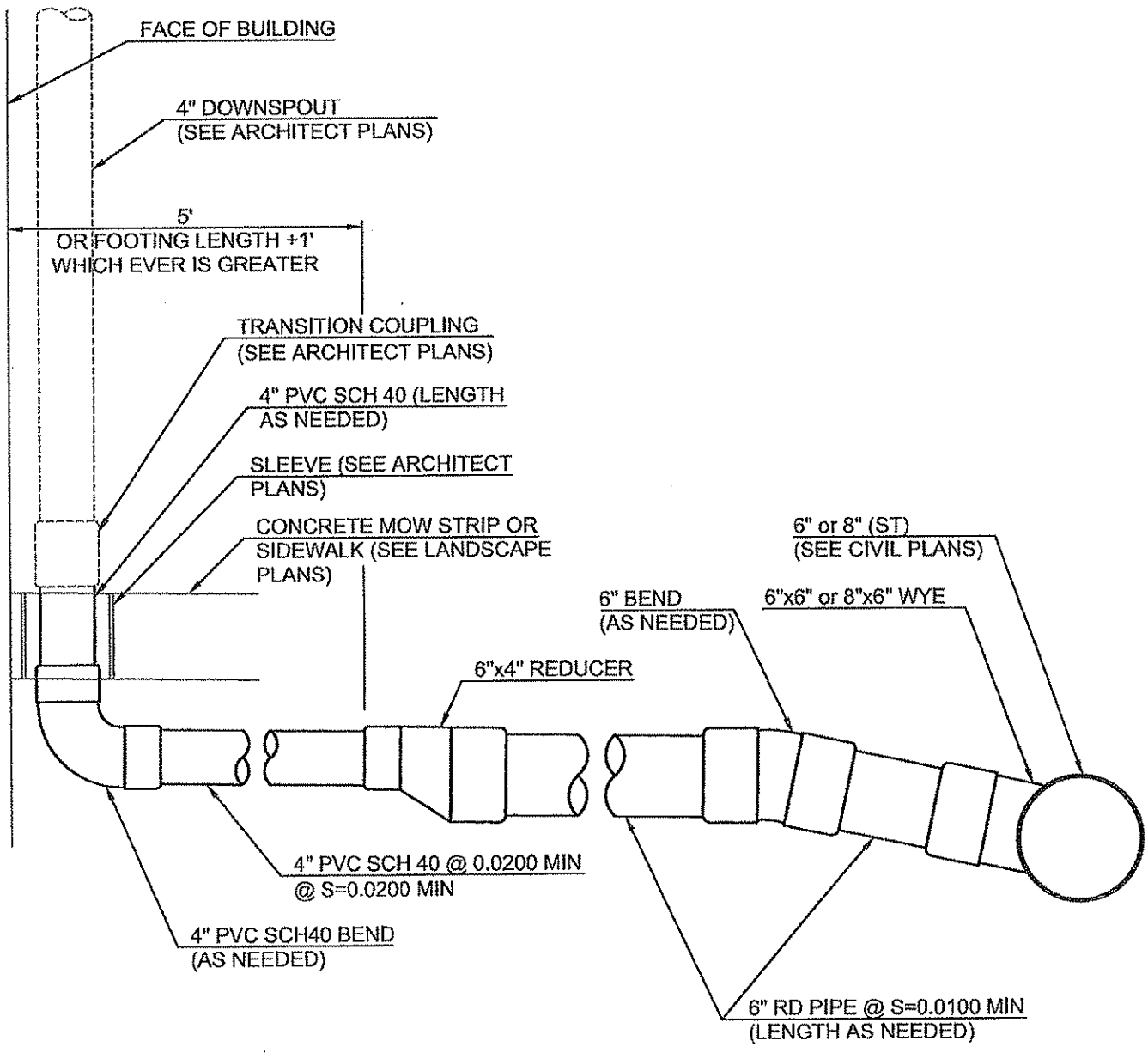
Reference Civil C5.04-C5.07: Please provide a detail for the roof drain connections (RD Connection) referenced on the civil plans. Also, please confirm pipe size from the 6" and 8" laterals to the connection.

Suggestion

Answer Date Answered:

HDJ- Response: The attached sketch CSK-32 details (clarifies) the RD connection, pipe sizes and types. Maureen White, P.E. HDJ DESIGN GROUP, PLLC 1/28/14

Section 07 71 23 requires a galvanized pipe fabrication to cover the connection
Section 07 71 23 requires a downspout cap fabricated from steel plate and steel pipe (and galvanized) to be provided at the connection of the downspout to the tightline. Revised sheet A5.11 issued for CCD-003R1 shows a modified connection for this.
Steve Broback
1/29/14



NOTES:

1. WHEN A MINIMUM COVER OF 18" CANNOT BE OBTAINED, PVC SCH 40 PIPE IS REQUIRED
2. SCH 40 PIPE JOINTS TO BE SOLVENT CEMENTED PER PLUMBING CODE.

WOODLAND HIGH SCHOOL

1119.000

McGRANAHAN architects

TITLE: ROOF DOWNSPOUT CONNECTION - CLARIFICATION

REFERENCE: N/A

SCALE: N/A

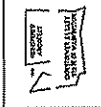
ISSUED FOR: RFI #052

CSK-032

REVISED: MPW

	253
F	383 3097
	253
T	383 3084

FOUNDATION DETAIL
 1. FOUNDATION
 2. EXTERIOR WALL
 3. INTERIOR WALL
 4. FINISH
 5. INSULATION
 6. AIR BARRIER
 7. WEATHER RESISTIVE BARRIER
 8. VENTILATED AIR SPACE
 9. EXTERIOR FINISH
 10. EXTERIOR SOIL

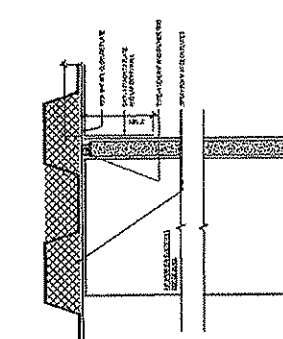


FOUNDATION DETAIL
 1. FOUNDATION
 2. EXTERIOR WALL
 3. INTERIOR WALL
 4. FINISH
 5. INSULATION
 6. AIR BARRIER
 7. WEATHER RESISTIVE BARRIER
 8. VENTILATED AIR SPACE
 9. EXTERIOR FINISH
 10. EXTERIOR SOIL

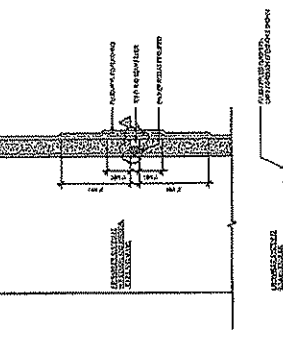
EXTERIOR
 DETAILS

FOUNDATION DETAIL
 1. FOUNDATION
 2. EXTERIOR WALL
 3. INTERIOR WALL
 4. FINISH
 5. INSULATION
 6. AIR BARRIER
 7. WEATHER RESISTIVE BARRIER
 8. VENTILATED AIR SPACE
 9. EXTERIOR FINISH
 10. EXTERIOR SOIL

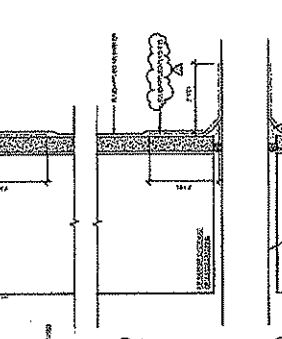
FOUNDATION DETAIL
 1. FOUNDATION
 2. EXTERIOR WALL
 3. INTERIOR WALL
 4. FINISH
 5. INSULATION
 6. AIR BARRIER
 7. WEATHER RESISTIVE BARRIER
 8. VENTILATED AIR SPACE
 9. EXTERIOR FINISH
 10. EXTERIOR SOIL



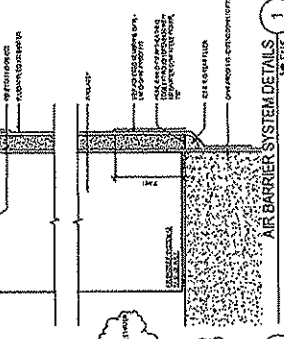
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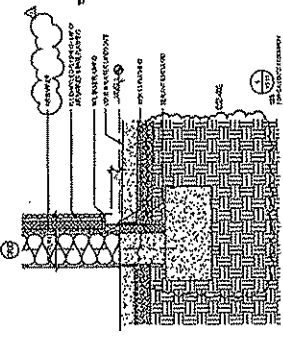
FOUNDATION DETAIL 2



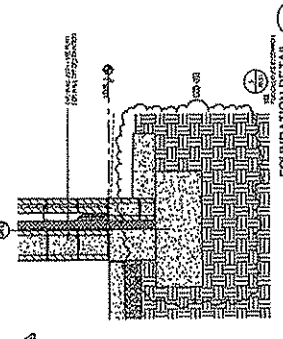
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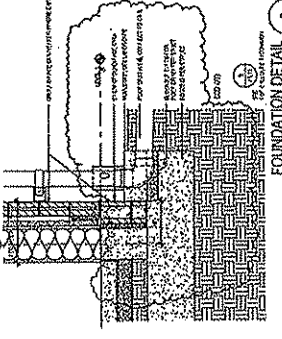
FOUNDATION DETAIL 4



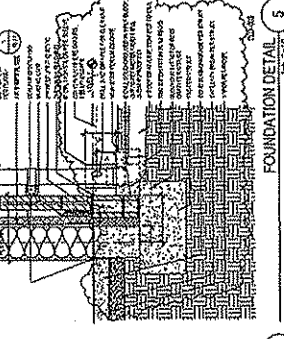
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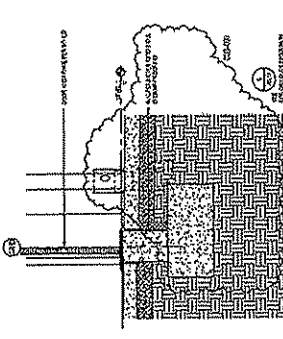
FOUNDATION DETAIL 6



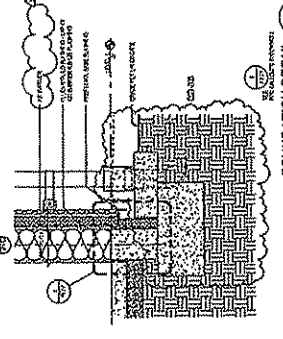
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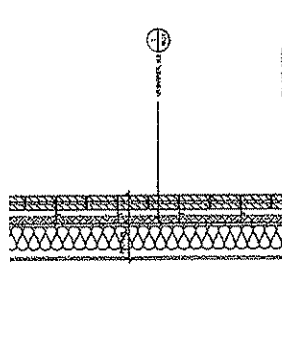
FOUNDATION DETAIL 8



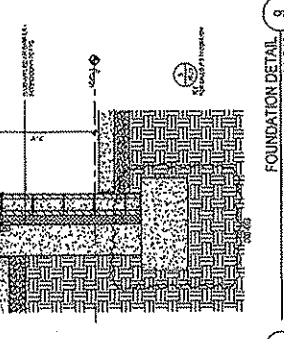
FOUNDATION DETAIL 9



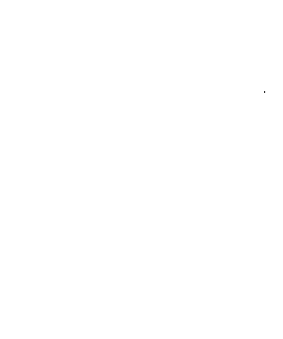
FOUNDATION DETAIL 10



FOUNDATION DETAIL 11



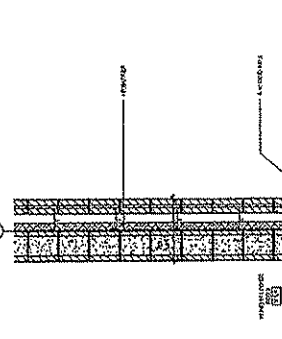
FOUNDATION DETAIL 12



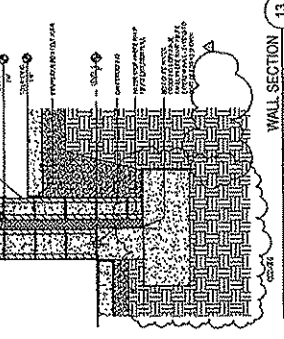
FOUNDATION DETAIL 13



FOUNDATION DETAIL 14



FOUNDATION DETAIL 15



FOUNDATION DETAIL 16



FOUNDATION DETAIL 17



FOUNDATION DETAIL 18



FOUNDATION DETAIL 19



FOUNDATION DETAIL 20



TAPANI UNDERGROUND, INC.

P.O. Box 1900
 Battle Ground, WA 98604
 Main Office (360) 687-1148
 Main Office (Fax) 687-6748

Change Order Request

Project Name: Woodland High School Date: 2/5/2014
 Contract No: Job# 4113074-00 Subcontract No. 001
 TUI Job No. 141209
 TUI No. 8
 Owner No. 1
 General No. 1

Description: Cost Impacts from RFI 0052 Rain Drain Connections

Labor	Unit Rate	Hours	Unit	Total
Foreman	\$ 62.66	11	HR	\$ 689.26
Operator	\$ 61.43	5.5	HR	\$ 337.87
Pipelayer	\$ 51.56	11	HR	\$ 567.16
Laborer	\$ 45.98	5.5	HR	\$ 252.89
	\$ -	0		\$ -

Labor Sub Total \$ 1,847.18
 Markup 15% \$ 277.08
 Small Tools 0% \$ -
 Total Labor Hours 33

Equipment	Unit Rate	Hours	Unit	Total
16-19 Ton Excavator	\$ 61.70	11	HR	\$ 678.70
130-160 HP Loader	\$ 55.96	10	HR	\$ 559.60
Crew Truck	\$ 12.00	11	HR	\$ 132.00
	\$ -	0		\$ -

Equipment Sub Total \$ 1,370.30
 Markup 15% \$ 205.55

Material	Unit Rate	Quantity	Unit	Total
6" X 4" REDUCER	\$ 8.18	66	EA	\$ 539.88
	\$ -	0		\$ -
	\$ -	0		\$ -
	\$ -	0		\$ -
	\$ -	0		\$ -

Material Sub Total \$ 539.88
 Markup 15% \$ 80.98

Sub Contractors	Unit Rate	Quantity	Unit	Total
	\$ -	0		\$ -
	\$ -	0		\$ -
	\$ -	0		\$ -
	\$ -	0		\$ -

Sub Contractors Sub Total \$ -
 Markup 0% \$ -

Misc	Unit Rate	Quantity	Unit	Total
	\$ -	0		\$ -
	\$ -	0		\$ -
	\$ -	0		\$ -
	\$ -	0		\$ -

Misc. Total \$ -
 Markup 0% \$ -

Exclusions
 10 Min Additional Minutes of Crew Time Per Connection for Added Fitting / Cutting of different size pipes.

This Change increases the time to complete the project by: 0 Day(s)
 We reserve the right to claim cost and/or schedule impacts at later date

	Total Cost \$	3,757.36
	Overhead \$	-
	Sub Total \$	4,320.98
	General Liability Insurance \$	-
	Bond \$	-
	Total Amount \$	4,320.98

NOTE: THIS CHANGE ORDER REQUEST SHALL BE ACCEPTED AS APPROVED AND INCORPORATED INTO THE CONTRACT UNLESS WE RECEIVE A WRITTEN RESPONSE FROM YOU STATING OTHERWISE WITHIN 48 HOURS (WE WOULD PREFER THIS CHANGE ORDER REQUEST FORM TO BE SIGNED AND RETURNED).

Prepared by: [Signature] Accepted by: _____
 Date: 2/11/14 Date: _____



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 027 Date: 2/3/2014

To: Steve Broback
McGrath Architects
2111 Pacific Avenue, Suite 100
Tacoma, WA 98402

From: Trevor Wyckoff
Skanska USA Building Inc.
222 SW Columbia Street, Suite 300
Portland, OR 97201

Description	Category	Status
RFI#052 Roof Drain Connection		Submitted

Reference	Required By	Days Req	Amt Req
	2/10/2014	0 \$	24,952

Notes

This Change Order Request is for the additional costs associated with the roof drain connection work required by the response to RFI#052. The design documents show a 4" downspout from the building, but did not show the transitions required to go from the storm drain laterals to the downspout. The work required by the RFI response reducers, couplers and bends not previously indicated in the design documents.

This work is complicated due to the fact that several of these rain drain laterals must be installed through geogrid that occurs up to 10' outside the building perimeter. Also, with the raising of the building foundations, there is less room to make the transitions to the downspouts, which makes this work more difficult and time consuming.

There are 66 rain drain locations. Tapani completes this type of work with a three person crew. They have included costs for an hour per each rain drain location for their three person crew plus the added bends and reducer.

This change order request does not include the costs related to CCD#003R1 shown on sheet A5.11. Any costs associated with that sheet will be included within the pricing for CCD#003R1.

CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
0063	2/3/2014		\$ 24,952	0		
RFI#052 Roof Drain Connection						
Item No	Item Description		Amt Prop	Reference		
0001	Tapani/- provide roof drain connections in accordance with RFI#052.	\$	23,078			
0002	GC/CM Bond	\$	231			
0003	Subguard	\$	231			
0004	Skanska Fee	\$	1,412			

Submitted By: Trevor Wyckoff
 Signature: [Signature]
 Name: Trevor Wyckoff
 Date: 2-13-2014

SEE
REVISION
2/24/14



P.O. Box 1900
 Battle Ground, WA 98604
 Main Office (360) 687-1148
 Main Office (Fax) 687-6748

Change Order Request

Project Name: Woodland High School Date: 2/5/2014
 Contract No: Job# 4113074-00 Subcontract No. 001
 TUI Job No.: 141209
 TUI No.: 8
 Owner No.: 1
 General No.: 1

Description: Cost Impacts from RF1 0052 Rain Drain Connections

Labor	Unit Rate	Hours	Unit	Total
Foreman	\$ 02.66	66	HR	\$ 4,135.56
Operator	\$ 61.43	33	HR	\$ 2,027.19
Pipelayer	\$ 51.58	66	HR	\$ 3,402.98
Laborer	\$ 45.98	33	HR	\$ 1,517.34
	\$ -	0		\$ -

Labor Sub-Total \$ 11,083.05
 Markup 15% \$ 1,662.46
 Small Tools 0% \$ -
Total Labor Hours 198

Equipment	Unit Rate	Hours	Unit	Total
10-19 Ton Excavator	\$ 61.70	66	HR	\$ 4,072.20
130-160 HP Loader	\$ 55.98	33	HR	\$ 1,848.66
Crew Truck	\$ 12.00	66	HR	\$ 792.00
	\$ -	0		\$ -

Equipment Sub-Total \$ 6,710.86
 Markup 13% \$ 1,005.63

Material	Unit Rate	Quantity	Unit	Total
6" 45 Bend	\$ 12.26	132	EA	\$ 1,618.32
0" x 4" Reducer	\$ 8.18	66	EA	\$ 539.88
Glue	\$ 61.17	1	EA	\$ 61.17
Primer	\$ 54.53	1	EA	\$ 54.53
	\$ -	0		\$ -

Material Sub-Total \$ 2,273.90
 Markup 15% \$ 341.09

Sub Contractors	Unit Rate	Quantity	Unit	Total
	\$ -	0		\$ -
	\$ -	0		\$ -
	\$ -	0		\$ -
	\$ -	0		\$ -

Sub Contractors Sub-Total \$ -
 Markup 0% \$ -

Misc	Unit Rate	Quantity	Unit	Total
	\$ -	0		\$ -
	\$ -	0		\$ -
	\$ -	0		\$ -
	\$ -	0		\$ -

Misc. Total \$ -
 Markup 0% \$ -

Exclusions

This Change increases the time to complete the project by: Day(s)
 We reserve the right to claim cost and/or schedule impacts at later date

<input type="text" value="0%"/>	General Liability Insurance	\$ -
<input type="text" value="0.00%"/>	Bond	\$ -
	Total Amount	\$ 23,076.00

SEE
 2/24
 REVISION

NOTE: THIS CHANGE ORDER REQUEST SHALL BE ACCEPTED AS APPROVED AND INCORPORATED INTO THE CONTRACT UNLESS WE RECEIVE A WRITTEN RESPONSE FROM YOU STATING OTHERWISE WITHIN 48 HOURS (WE WOULD PREFER THIS CHANGE ORDER REQUEST FORM TO BE SIGNED AND RETURNED).

Prepared by: [Signature] Accepted by: _____
 Date: 2/5/14 Date: _____



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 032 **Date: 2/10/2014**

To: Steve Broback McGranahan Architects 2111 Pacific Avenue, Suite 100 Tacoma, WA 98402	From: Trevor Wyckoff Skanska USA Building Inc. 222 SW Columbia Street, Suite 300 Portland, OR 97201
---	---

Description	Category	Status
RFI#067 - Raise Piping above Geogrid		Submitted

Reference	Required By	Days Req	Amt Req
	2/20/2014	0(\$	1,736)

Notes
 This Change Order Request is for the credit to change the sanitary piping in accordance with the design direction provided in RFI#067 dated 2/6/2014. This pipe and slope revision was generated as a way to save the district on costs related to geogrid repair, which would have otherwise been completed on Time and Materials. The revision raises the sanitary piping, thus reducing the excavation through the geogrid and repair of the geogrid.

CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
Description	Notes					
0069	2/10/2014		(\$ 1,736)	0	Owner	Architect/Consultant Directive

RFI#067 - Raise Piping above Geogrid

Item No	Item Description	Amt Prop	Reference
0001	Plumbing	(\$ 1,688)	
0002	General Liability Insurance	(\$ 16)	
0003	GC Bond	(\$ 16)	
0004	Subcontractor Subguard Bond	(\$ 16)	

Submitted By:

Signature

Name

Trevor Wyckoff

 Trevor Wyckoff

3-5-2014

Date



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 032 **Date: 2/10/2014**

To: Steve Broback McGranahan Architects 2111 Pacific Avenue, Suite 100 Tacoma, WA 98401	From: Trevor Wyckoff Skanska USA Building Inc. 222 SW Columbia Street, Suite 300 Portland, OR 97201
---	---

Description	Category	Status
RFI#067 - Raise Piping above Geogrid		Submitted

Reference	Required By	Days Req	Amt Req
	2/20/2014	0(\$)	1,688)

Notes
 This Change Order Request is for the credit to change the sanitary piping in accordance with the design direction provided in RFI#067 dated 2/6/2014. This pipe and slope revision was generated as a way to save the district on costs related to geogrid repair, which would have otherwise been completed on Time and Materials. The revision raises the sanitary piping, thus reducing the excavation through the geogrid and repair of the geogrid.

CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
Description	Notes					
0069	2/10/2014		(\$ 1,688)	0	Owner	Architect/Consultant Directive
RFI#067 - Raise Piping above Geogrid						

Item No	Item Description	Amt Prop	Reference
0001	Plumbing	(\$ 1,688)	

Submitted By:

Signature

Name

[Handwritten Signature]
 Trevor Wyckoff

2/10/14
 Date

Detailed, RFIs Grouped by RFI Number

Woodland High School Project # 4113074-000 Skanska USA Building Inc.
Tel: Fax:

RFI #: 0067 Date Created: 1/23/2014

Answer Company	Answered By	Author Company	Authored By
McGranahan Architects 2111 Pacific Avenue, Suite 100 Tacoma, WA 98402	Steve Broback	Skanska USA Building Inc. 222 SW Columbia Street, Suite 300 Portland, OR 97201	Dana Johnson

Co-Respondent	Author RFI Number
	EHA-07

Subject	Discipline	Category
Plumbing below geogrid	Mechanical	

Cc: Company Name	Contact Name	Copies	Notes
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Question Date Required: 1/30/2014

Please clarify the following Mechanical question in regards to plumbing below geogrid.
Question#01: Plan page M2.01. Is it acceptable to install the 4" under slab waste line in the south classroom wing parallel with grid line 2 between grids C and H and from grid line 2 south to where it exits the building at 1/8" per foot grade, rather than the specified 1/4 " per foot? Doing this will keep all of the under slab plumbing above the lower level of Geogrid material.

Suggestion

Answer Date Answered:

Confirmed, this is acceptable and a variance has been approved by the AHJ to install the pipe shown clouded in sketch MSK-080 at 1/8"/ft. grade. The contractor may use ABS or PVC DWV pipe for the pipe sloped at 1/8"/ft. per the following specifications:

ABS PIPE AND FITTINGS

Solid-Wall ABS Pipe: ASTM D 2661, Schedule 40.

ABS Socket Fittings: ASTM D 2661, made to ASTM D 3311, drain, waste, and vent patterns.

Solvent Cement: ASTM D 2235.

PVC PIPE AND FITTINGS

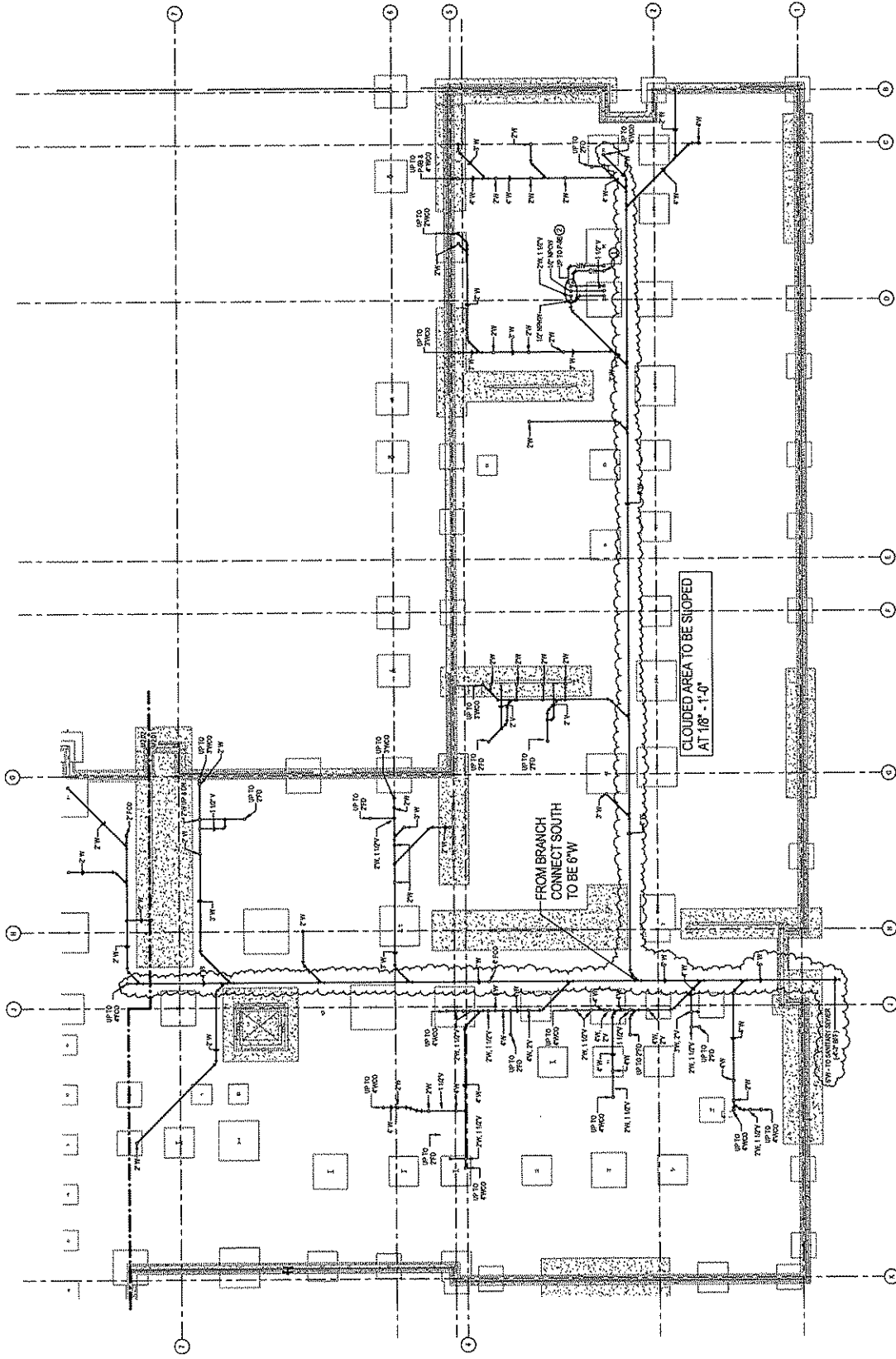
Solid-Wall PVC Pipe: ASTM D 2665, drain, waste, and vent.

PVC Socket Fittings: ASTM D 2665, made to ASTM D 3311, drain, waste, and vent patterns and to fit Schedule 40 pipe.

Adhesive Primer: ASTM F 656.

Solvent Cement: ASTM D 2564.

John Justice, BCE Engineers 02/06/2014



253
F 383 3097
253
T 383 3084

1119.000 McGRANAHAN architects

MSK - 080

REVISED: BMP
DRAWN BY: BC

WOODLAND HIGH SCHOOL

TITLE: LEVEL 0 - PLUMBING - CLASSROOM SOUTH

REFERENCE: 1 / M2.01

SCALE: 1/8" = 1'-0"

ISSUED FOR: RFI - 0067

DATE: 02/06/14

CHANGE ORDER PROPOSAL # **EH-08** DATE 02/10/14 REVISION #
 CHANGE ORDER - RFI - ASI - EWO # **RFI-067** PROJECT **Woodland High School** JOB #1304
 DESCRIPTION **Raise piping above Geogrid**
 LOCATION

LABOR -

description	rate	hour	=	subtotal	TOTAL
a. plumber/fitter, s.t.	\$62.57	0	=	\$0.00	
b. plumber/fitter, s.t. Foreman	\$66.76	0	=	\$0.00	
c. plumber/fitter, o.t.	\$93.85	0	=	\$0.00	
d. plumber/fitter, o.t. Foreman	\$100.14	0	=	\$0.00	
e. as-builts	\$66.76	1	=	\$66.76	
f. cordination	\$66.76	1	=	\$66.76	
g. Driver		0	=	\$0.00	
0 total hours		0			
subtotal labor				\$133.52	\$133.52

ALLOWANCE FOR LABOR BURDEN @	18.00%	\$24.03
<small>(includes labor tax, industrial insurance, employment insurance, payroll portion of general liability.)</small>		
SUB-TOTAL LABOR		\$157.55
ALLOWANCE FOR SAFETY @	0.00%	\$0.00
ALLOWANCE FOR SMALL TOOLS @	0.00%	\$0.00
TOTAL LABOR		\$157.55

MATERIAL - PAGE #2, MATERIAL BREAKDOWN BALANCE FORWARD		
balance forward	=	-\$1,846.00
subtotal material		-\$1,846.00
ALLOWANCE FOR FRT. & HDLG. ON MAT.	0.00%	\$0.00
TOTAL MATERIAL		-\$1,846.00

EQUIPMENT -				
description	duration	rate	unit	=
a.	0			\$0.00
b.				\$0.00
c.				\$0.00
TOTAL EQUIPMENT				\$0.00

SUBTOTAL EAGLE HARBOR ASSOCIATES DIRECT COSTS -		-\$1,688.45
OVERHEAD ON EHA WORK @	0.00%	\$0.00
TOTAL Eagle Harbor Associates LLC PORTION		-\$1,688.45

SUBCONTRACTOR WORK --				
a.				\$0.00
b.				\$0.00
c.				\$0.00
0 subtotal subcontractor --				\$0.00
EHA, OVERHEAD/PROFIT - SUBCONTRACT WORK -	12.00%	\$0.00		\$0.00
TOTAL SUBCONTRACTOR				\$0.00

Insurance @ 0.8% \$0.00
 Bond Premium @ 1% \$0.00

TIME EXTENSION IN CALENDAR DAY'S	0	
REMARKS --	TOTAL DUE THIS PROPOSAL	
a. EXCLUSIONS PER SUBCONTRACT	-\$1,688.45	
b.		
c.		

CHANGE ORDER PROPOSAL-----# **EH-08** 0 DATE ----- 02/10/14 REVISION # **0**
CHANGE ORDER - RFI - ASI - EWO -----# **RFI-067** 0 PROJECT-- **Woodland High School** **JOB #1303**
DESCRIPTION----- **Raise piping above Geogrid**
LOCATION-----

MATERIAL -

description	quantity	cost / unit	unit	=	subtotal
a. Deduct			lf	=	\$0.00
b. 4" no hub pipe	-320	\$9.00	lf	=	-\$2,880.00
c. 4" fittings	-18	\$15.00	ea	=	-\$270.00
d. 4" couplings	-52	\$13.00	ea	=	-\$676.00
e. ADD			ea	=	\$0.00
f. 6" PVC	40	\$5.00	lf	=	\$200.00
g. 4" PVC	280	\$4.00	lf	=	\$1,120.00
h. 3" PVC	10	\$3.00	lf	=	\$30.00
i. 2" PVC	10	\$2.00	lf	=	\$20.00
j. 4" PVC fittings	15	\$13.00	ea	=	\$195.00
k. Transition couplings	19	\$20.00	ea	=	\$380.00
l. Glue and Primer	1	\$35.00	ea	=	\$35.00
m.			ea	=	\$0.00
n.			ea	=	\$0.00
o.			ea	=	\$0.00
p.			ea	=	\$0.00
q.			ea	=	\$0.00
r.			ea	=	\$0.00
s.			ea	=	\$0.00
t.		\$0.00	ea	=	\$0.00
u.		\$0.00	0	=	\$0.00
v. 0		\$0.00	0	=	\$0.00
w. 0		\$0.00	0	=	\$0.00
x. 0		\$0.00	0	=	\$0.00
y. 0		\$0.00	0	=	\$0.00
z. 0		\$0.00	0	=	\$0.00
aa. 0		\$0.00	0	=	\$0.00
bb. 0		\$0.00	0	=	\$0.00
cc. 0		\$0.00	0	=	\$0.00
dd. 0		\$0.00	0	=	\$0.00
ee. 0		\$0.00	0	=	\$0.00
ff. 0		\$0.00	0	=	\$0.00
gg. 0		\$0.00	0	=	\$0.00
hh. 0		\$0.00	0	=	\$0.00
ii. 0		\$0.00	0	=	\$0.00
jj. 0		\$0.00	0	=	\$0.00
kk. 0		\$0.00	0	=	\$0.00
ll. 0		\$0.00	0	=	\$0.00
mm. 0		\$0.00	0	=	\$0.00
nn. 0		\$0.00	0	=	\$0.00
oo. 0		\$0.00	0	=	\$0.00
pp. 0		\$0.00	0	=	\$0.00
qq. 0		\$0.00	0	=	\$0.00
rr. 0		\$0.00	0	=	\$0.00
ss. 0		\$0.00	0	=	\$0.00
tt. 0		\$0.00	0	=	\$0.00
uu. 0		\$0.00	0	=	\$0.00
vv. 0		\$0.00	0	=	\$0.00
ww. 0		\$0.00	0	=	\$0.00
xx. 0		\$0.00	0	=	\$0.00
yy. 0		\$0.00	0	=	\$0.00
zz. 0		\$0.00	0	=	\$0.00

SUBTOTAL MATERIAL - (balance carried forward to page #1) ----- \$-1,846.00

REMARKS -

a.

b.

c.



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 034

Date: 2/19/2014

To: Steve Broback
McGranahan Architects
2111 Pacific Avenue, Suite 100
Tacoma, WA 98402

From: Trevor Wyckoff
Skanska USA Building Inc.
222 SW Columbia Street, Suite 300
Portland, OR 97201

Description	Category	Status
RFI#097 - detailing changes at the canopy bent plate	Owner	Submitted

Reference	Required By	Days Req	Amt Req
RFI#097	2/26/2014	0 \$	2,346

Notes

This Change Order Request is for the additional costs for Yakima Steel to re-detail the bent plate at the exterior canopies per RFI#097.

The steel shop drawings followed structural sheet S2.21, which references detail S10.4/7 for the bent plate at the eave. Detail 7 shows the upper bent plate extending beyond the down turn bent plate. The shop drawings were returned, and RFI#097 confirmed to follow architectural detail on A4.12/6, which graphically shows the down turn bent plate aligned with the upper bent plate. However, the architectural note says, "bent plate assy per structural".

Currently, Yakima Steel is on hold with the redetailing required until a decision is made and direction provided. Please provide direction and response by 2/24/2014.

CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
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Description	Notes
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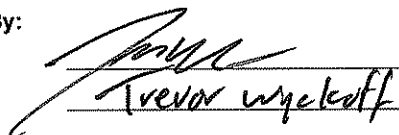
0071	2/17/2014	RFI#097	\$ 2,346	0	Owner	
RFI#097 - Detailing Changes at Canopy Bent Plate						

Item No	Item Description	Amt Prop	Reference
0001	Yakima Steel - Redetailing as required due to design change in shop drawings and RFI#097	\$ 2,151	
0002	General Liability Insurance	\$ 22	
Level 1	GC P&P Bond	\$ 22	
Level 3	Subcontractor Subguard Bond	\$ 22	
Level 4	Skanska Fee	\$ 129	

Approved By:

Signature

Name


Trevor Wyckoff

Date

3/5/2014

Skanska With CE Breakdown

Change Order Request: 034 **Date: 2/19/2014**

To: Steve Broback McGranahan Architects 2111 Pacific Avenue, Suite 100 Tacoma, WA 98402	From: Trevor Wyckoff Skanska USA Building Inc. 222 SW Columbia Street, Suite 300 Portland, OR 97201
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Description	Category	Status
RFI#097 - detailing changes at the canopy bent plate	Owner	Submitted

Reference	Required By	Days Req	Amt Req
RFI#097	2/26/2014	0 \$	2,327

Notes

This Change Order Request is for the additional costs for Yakima Steel to re-detail the bent plate at the exterior canopies per RFI#097.

The steel shop drawings followed structural sheet S2.21, which references detail S10.4/7 for the bent plate at the eave. Detail 7 shows the upper bent plate extending beyond the down turn bent plate. The shop drawings were returned, and RFI#097 confirmed to follow architectural detail on A4.12/6, which graphically shows the down turn bent plate aligned with the upper bent plate. However, the architectural note says, "bent plate assy per structural".

Currently, Yakima Steel is on hold with the redetailing required until a decision is made and direction provided. Please provide direction and response by 2/24/2014.

CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
-------	------	-----------	----------	----------	----------	--------

Description	Notes
0071 2/17/2014 RFI#097	\$ 2,327 0 Owner
RFI#097 - Detailing Changes at Canopy Bent Plate	
Item No	Item Description
0001	Yakima Steel - Redetailing as required due to design change in shop drawings and RFI#097
Level 1	GC P&P Bond
Level 3	Subcontractor Subguard Bond
Level 4	Skanska Fee

GL

Submitted By:

Signature

Name

Trevor Wyckoff

Trevor Wyckoff

2/19/2014

 Date

Date

Detailed, RFIs Grouped by RFI Number

Woodland High School

Project # 4113074-000
Tel: Fax:

Skanska USA Building Inc.

RFI #: 0097 **Date Created: 2/12/2014**

Answer Company	Answered By	Author Company	Authored By
McGranahan Architects 2111 Pacific Avenue, Suite 100 Tacoma, WA 98402	Steve Broback	Skanska USA Building Inc. 222 SW Columbia Street, Suite 300 Portland, OR 97201	David Franke

Co-Respondent	Author RFI Number
	Yakima

Subject	Discipline	Category
Bent plate detail at the canopies	Structural	

Cc: Company Name	Contact Name	Copies	Notes
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Question **Date Required: 2/19/2014**

Reference: S10.4/7, detail at canopy edge. A4.12/6 and A4.12/10.

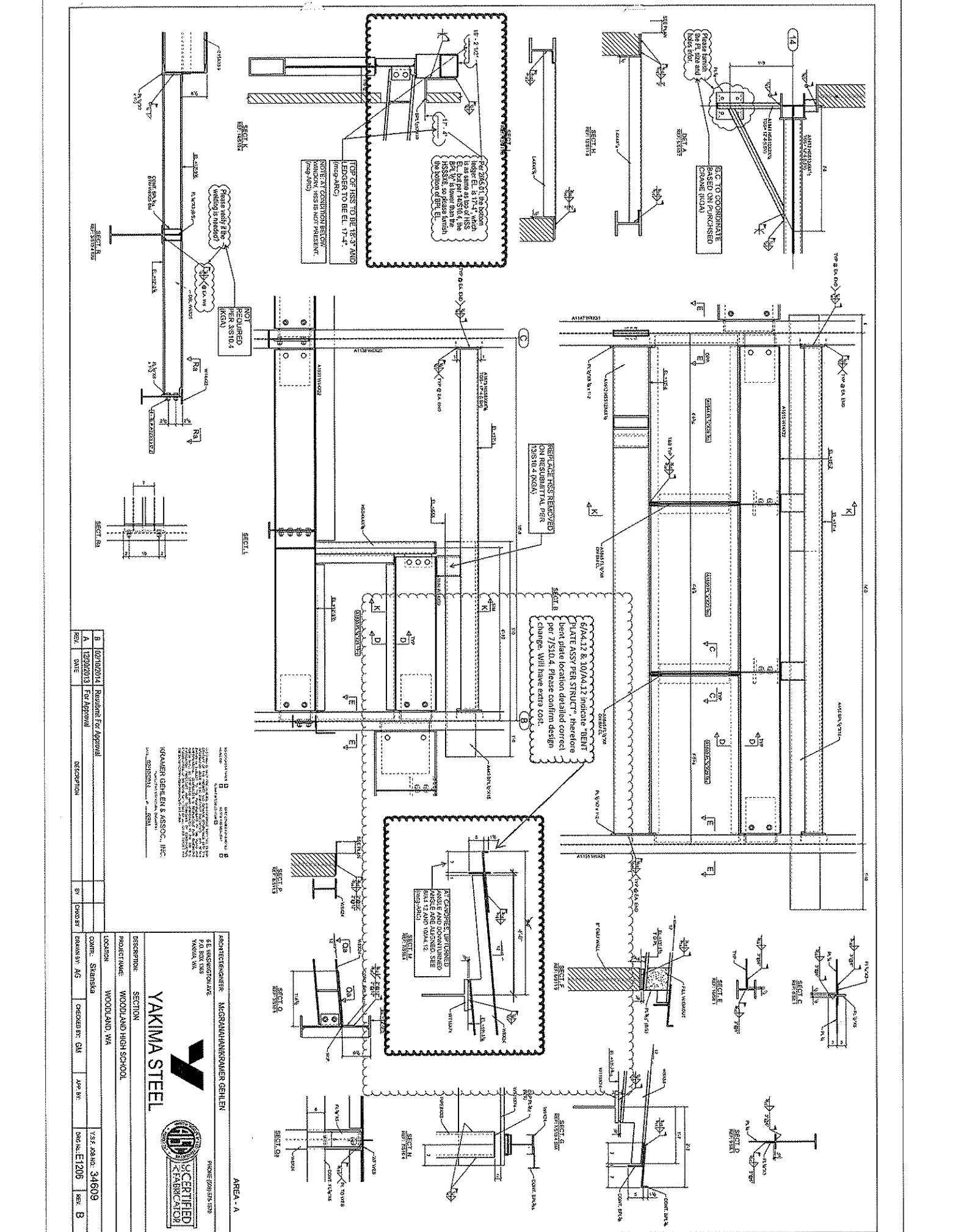
Architectural detail 6 & 10/A4.12 indicated "bent plate assy per structural", therefore the bent plate was located per detailed S10.4/7. Please confirm bent plate location.

Suggestion

Answer **Date Answered:**

The upturned and down-turned angles are aligned at 4'-0" from framing as shown on the attached shop drawing mark-up.

Steve Broback
2/13/14



REV. DATE	DESCRIPTION	BY	CHECKED
B 02/10/2014	Revised For Approval		
A 12/20/2013	For Approval		

PROJECT ENGINEER	PROJECT NAME	SECTION
MCSHAW/KRAMER GEHLEN	WOODLAND HIGH SCHOOL	WOODLAND, WA
CONTR. STRUCTURE	DESIGNED BY	CHECKED BY
KRAMER GEHLEN & ASSOC., INC.	AG	GH
1500 WEST 10TH AVENUE, SUITE 200	DATE	APP. BY
YAKIMA, WA 98904	02/10/2014	AG

PROJECT NAME	SECTION
WOODLAND HIGH SCHOOL	WOODLAND, WA
CONTR. STRUCTURE	DESIGNED BY
AG	GH
DATE	APP. BY
02/10/2014	AG



REGISTERED ENGINEER: MCSHAW/KRAMER GEHLEN
 5 E. HUNTERSTON AVE
 P.O. BOX 530
 YAKIMA, WA
 PHONE: (509) 526-1570



YAKIMA STEEL
 6 E. Washington Ave
 Yakima, WA 98903
 Phone: 509.575.1570
 Fax: 509.453.3697

19-21

Change Order Authorization

Date: 2/17/2014

To: Skanska
 Attn: David
 Job Name: WHS

Job #: 34609
 Change Order #: 6
 Attachments: None

Description:

Changes per RFI 97
 Move bent plate

DOUBT

S2.21
S10.4/7
 → shows the BENT PLATE EXTENDING BEYOND THE DOWN TURN BENT PLATE

SHOP DRAWINGS WERE RETURNED NOTING THAT ARCHIT. DETAIL 14.12/6 WHICH GRAPHICALLY SHOWS THE DOWN TURN BENT PLATE ALIGNED W/ THE BENT PLATE TURNED UP. HOWEVER, THE ARCHITECTURAL NOTE SAYS, "SEE BENT PLATE ASSY PER STRUCTURAL".

Materials	\$	-
Drawings	\$	1,870.00
Shop Labor		
Field Labor		
Delivery		
Other		
Sub-Total	\$	1,870.00
Overhead (10%)	\$	187.00
Profit (5%)	\$	94.00
Total	\$	2,151.00

22 hrs @ 85.00 per hr.

Written authorization is required prior to Yakima Steel's performance of the changes specified herein. The price for the changes specified is based on Yakima Steel's immediate receipt of a signed Change Order Authorization, so that the changes may be incorporated in the work currently in process. Delays in receiving such authorization may increase the price of the specified changes and/or delay deliveries at no cost or penalty to Yakima Steel. This authorization is not intended to replace your written Change Order. If, however, your Change Order has not been received by the periodic billing date subsequent to our performance of changes authorized, Yakima Steel is herewith authorized to invoice for amounts specified herein and such amounts shall be due and payable to Yakima Steel.

Accepted: The above prices and terms of this Changes Order Authorization are satisfactory and are hereby accepted. All work specified herein to be performed under the same terms and conditions as specified in original contract unless otherwise specified.

Approval Signature: _____
 Date of Acceptance: _____
 Print Name & Title: _____



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 035

Date: 2/23/2014

To: Steve Broback
McGranahan Architects
2111 Pacific Avenue, Suite 100
Tacoma, WA 98402

From: Trevor Wyckoff
Skanska USA Building Inc.
222 SW Columbia Street, Suite 300
Portland, OR 97201

Description	Category	Status
RFI#093 - Revised MEP routing due to steel conflicts		Submitted

Reference	Required By	Days Req	Amt Req
	3/2/2014	0 \$	1,356

Notes

This Change Order Request is for the additional costs for Capital Heating to provide detailing, labor, and material for mechanical changes in RFI#097.

During the MEP coordination, a conflict was noted in mechanical space above classroom 2407 between the ductwork and mechanical piping. This required re-design.

The additional cost includes detailing, labor, and material for dry mechanical to revise the duct work at the north and south classroom wings.

CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
Description						Notes

0072	2/19/2014	RFI#093	\$ 1,356	0	Owner	
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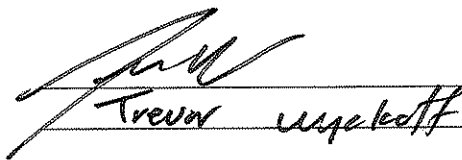
RFI#093 - Revised MEP routing due to steel conflicts

Item No	Item Description	Amt Prop	Reference
0001	Mechanical modifications	\$ 1,244	
0002	GC P&P Bond	\$ 12	
0003	Subcontractor Subguard Bond	\$ 12	
0004	General Liability Insurance	\$ 13	
0005	Project Fee	\$ 75	

Approved By:

Signature

Name


Trevor Wyckoff

Date

3-5-2014



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 035 **Date: 2/23/2014**

To: Steve Broback McGranahan Architects 2111 Pacific Avenue, Suite 100 Tacoma, WA 98402	From: Trevor Wyckoff Skanska USA Building Inc. 222 SW Columbia Street, Suite 300 Portland, OR 97201
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Description	Category	Status
RFI#093 - Revised MEP routing due to steel conflicts		Notified

Reference	Required By	Days Req	Amt Req
	3/2/2014	0	\$ 1,358

Notes
This Change Order Request is for the additional costs for Capital Heating to provide detailing, labor, and material for mechanical changes in RFI#097.

During the MEP coordination, a conflict was noted in mechanical space above classroom 2407 between the ductwork and mechanical piping. This required re-design.

The additional cost includes detailing, labor, and material for dry mechanical to revise the duct work at the north and south classroom wings.

CE No	Date	Reference	Amt Prop	Days Req	Category	Reason
Description	Notes					

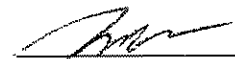
0072	2/19/2014	RFI#093	\$ 1,358	0	Owner	
RFI#093 - Revised MEP routing due to steel conflicts						

Item No	Item Description	Amt Prop	Reference
0001	Mechanical modifications	\$ 1,244	
0002	GC P&P Bond	\$ 12	
0003	Subcontractor Subguard Bond	\$ 12	
0004	General Liability Insurance	\$ 13	
0005	Project Fee	\$ 12 75	

Submitted By:

Signature

Name


 Trevor Wyckoff

3-3-14

Date

Detailed, RFIs Grouped by RFI Number

Woodland High School

Project # 4113074-000
Tel: Fax:

Skanska USA Building Inc.

RFI #: 0093 **Date Created: 2/11/2014**

Answer Company	Answered By	Author Company	Authored By
McGranahan Architects 2111 Pacific Avenue, Suite 100 Tacoma, WA 98402	Steve Broback	Skanska USA Building Inc. 222 SW Columbia Street, Suite 300 Portland, OR 97201	David Franke

Co-Respondent	Author RFI Number
	Capital

Subject	Discipline	Category
MEP clash at mechanical room 2409D and 2407	Mechanical	

Cc: Company Name	Contact Name	Copies	Notes
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Question **Date Required: 2/18/2014**

During the MEP coordination, clashes were identified between ductwork and mechanical pipe in mechanical room 2409D. It was discovered that due to the structural steel and the ceiling elevation of room 2407, there is no route for the duct below the steel.

Possible solution: Install a soffit along the east wall of classroom 2407 to accommodate the duct work entering and leaving the mechanical room 2409D. Soffit should have a finish elevation of 8'-2" to allow for the duct connection and framing, and should have a 20" clear space from the east wall of room 2407.

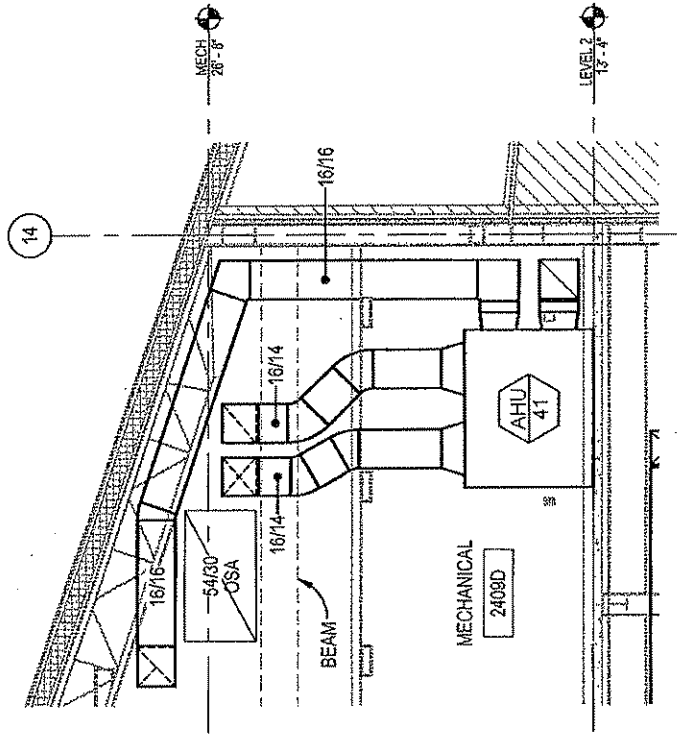
See attached sketches.

Suggestion

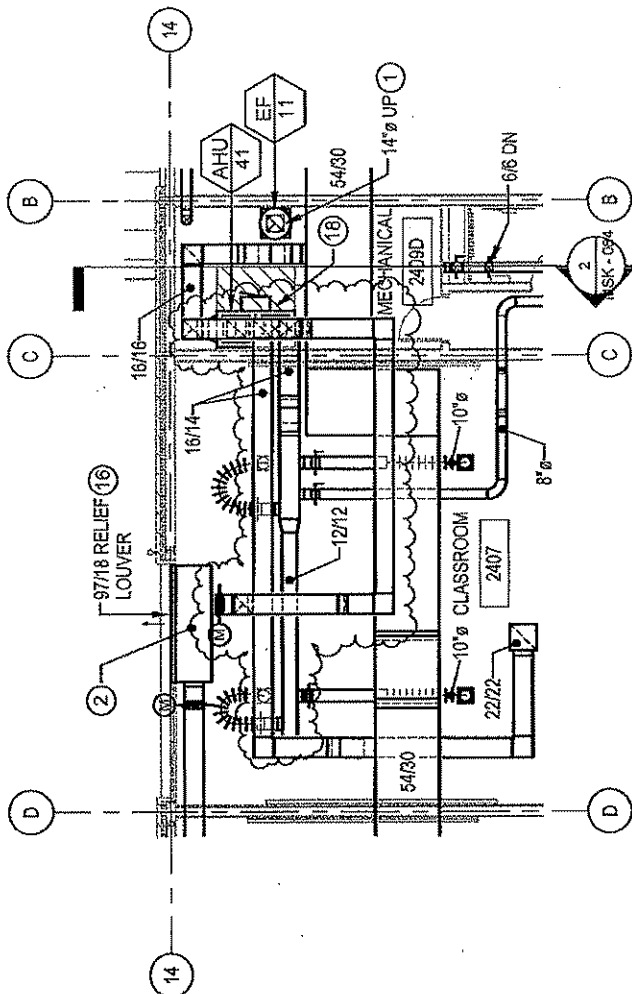
Answer **Date Answered**

Revise ductwork at AHU-41 as indicated in sketch MSK-084. The south classroom wing has a similar condition, revise ductwork at AHU-1 as indicated on sketch MSK-085.

John Justice, BCE Engineers, 02/18/2014

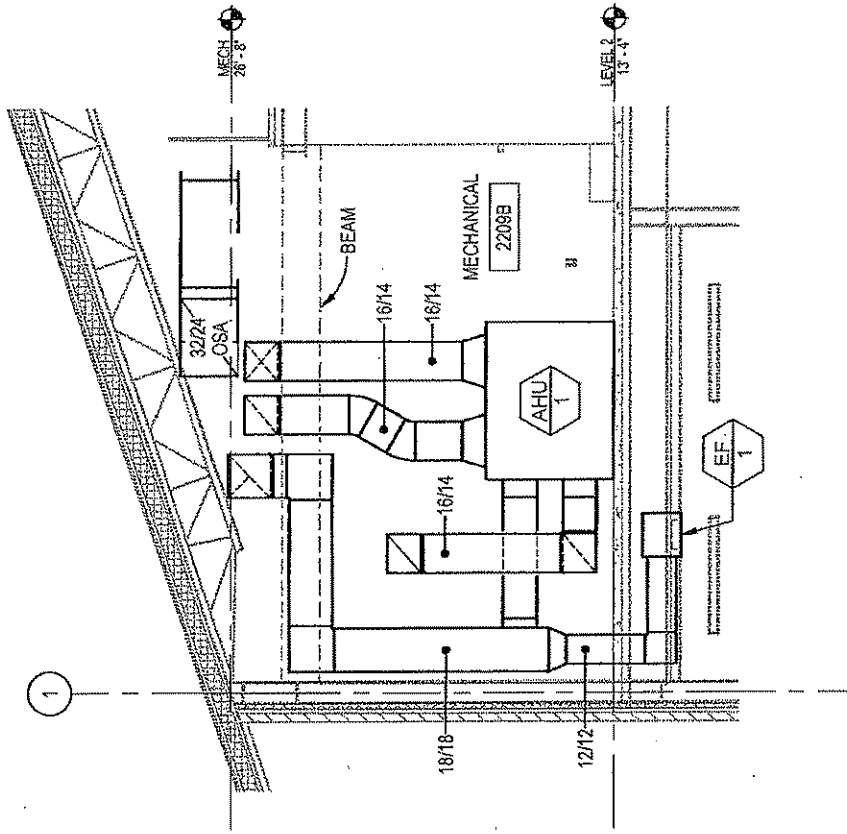


HVAC SECTION 2
Scale: 1/4" = 1'-0"

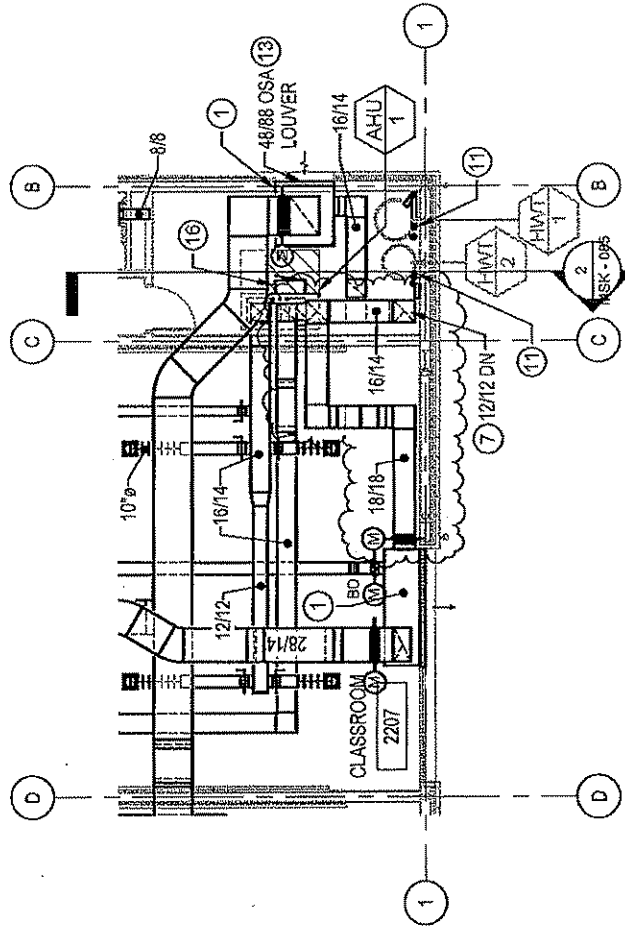


SECOND FLOOR HVAC PLAN - CLASSROOM 2407
Scale: 1/8" = 1'-0"

WOODLAND HIGH SCHOOL		1119.000	McGRANAHAN architects	311 E 343.3097 312 T 343.3084
TITLE		LEVEL 2 - HVAC PLAN - MECHANICAL 2409D DUCT REVISION		
REFERENCE	11/14/23			
SCALE	AS INDICATED			
ISSUED FOR:	RPI-084			
DATE	02/17/24			
		MSK - 084		
		REVISER:		
		DRAWN BY:	PD	



HVAC SECTION 2
Scale: 1/4" = 1'-0"



SECOND FLOOR HVAC PLAN - CLASSROOM 2207
Scale: 1/8" = 1'-0"

WOODLAND HIGH SCHOOL		1119.000	McGRANAHAN architects	119 3692 120 3692 121 3684 122 3684
TITLE: LEVEL 2 - HVAC PLAN - CLASSROOM 2207 DUCT REVISION		PROJECT NORTH		
REFERENCE: 7/14/21	MSK - 085			
SCALE: As indicated	REVISIONS:			
ISSUED FOR: RH - 0063	DRAWN BY: PD			
DATE: 02/18/14				

Wyckoff, Trevor

From: Steve Broback <steve.broback@mcgranahan.com>
Sent: Wednesday, February 19, 2014 10:16 AM
To: Franke, David
Cc: Jensen, Brandon; Wyckoff, Trevor; Kelley Wilson (kelley.wilson@esd112.org) (kelley.wilson@esd112.org)
Subject: FW: [WHS] RFI 093 / MSK-084
Attachments: MSK-084 - RFI-0093 - 20140218.pdf; MSK-085 - RFI-0093 - 20140218.pdf; WHS RFI#093 - MEP clash at mech room 2409D and 2407 - BCE Response.pdf

David - Please see the attached response to this RFI. We understand that there will be added costs for the revised ductwork routing.

Thanks,
Steve

Steve Broback
Associate
McGRANAHAN
2111 Pacific Avenue, Suite 100 Tacoma, WA 98402
T: 253.383.3084
F: 253.383.3097
www.mcgranahan.com

From: John Justice [mailto:john.justice@bceengineers.com]
Sent: Tuesday, February 18, 2014 6:18 PM
To: Mike Rafferty
Cc: Steve Broback; Dion Serra
Subject: RE: [WHS] RFI 093 / MSK-084

Mike,
It looks like we clear both the kicker and hoist beam. Here is the RFI along with the sketches for both the north and south classroom wings.
Thanks,

John Justice, P.E.
Mechanical Engineer
BCE ENGINEERS, INC.
| Ph: 253.922.0446 | Fx: 253.922.0896 |

From: Mike Rafferty [mailto:mike.rafferty@mcgranahan.com]
Sent: Tuesday, February 18, 2014 4:50 PM
To: John Justice
Cc: Steve Broback; Dion Serra
Subject: RE: [WHS] RFI 093 / MSK-084

John,
Please review Ryan's comments & confirm you clear that hoist beam. Adjust your SK where necessary.

As for the south wing potential conflict, please review and confirm whether we need to adjust your ducts there too given we have similar structure there.

Michael Rafferty, AIA, LEED AP BD+C

Project Name: Woodland HS

Owner COP No. RFI 93

Source Documents:

Date: 2/19/2014

Contractor: Capital Heating and Cooling

Contractor Ref. No.

Description: Modify GSA ducting at AHU-1 and 41 per RFI sketches

Direct Labor Costs:

a. crew (apprentices, journeymen, & laborers)	\$ 858.00
b. foreman	\$
c. lead foreman	\$
d. noncraft labor	\$
DIRECT LABOR SUBTOTAL	\$ 858.00

Labor Markups:

e. direct supervision (NTE 15% of 1a)	\$
f. safety (NTE 2% of lines 1a, b, & c)	\$

Supervision markups should be zero if foreman time is included in direct labor costs

1. CRAFT LABOR COSTS \$ 858.00

2. MATERIAL COSTS

a. material total from cost breakdown form	\$ 224.00
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2. MATERIAL COSTS \$ 224.00

3. EQUIPMENT COSTS

a. equipment total from cost breakdown form	\$
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3. EQUIPMENT COSTS \$

4. SMALL TOOLS

a. small tools (NTE 5% of 1a & b)	\$
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4. SMALL TOOLS \$

SUBTOTAL 1 thru 4 \$ 1,082.00

5. OVERHEAD & PROFIT

a. NTE 15% portion of 1, 2, 3, & 4 up to \$50,000	\$ 162.30
b. NTE 15% portion of 1, 2, 3, & 4 in excess of \$50,000	\$

5. OVERHEAD & PROFIT \$ 162.00

6. SUB-SUBCONTRACTORS

a.	\$
b.	\$
c.	\$
d.	\$
e.	\$
f.	\$

6. SUB-SUBCONTRACTORS \$

7. OVERHEAD & PROFIT ON SUB-SUBCONTRACTORS

a. NTE 8% of Line 6	\$
b. NTE 6% of Line 6 in excess of \$50,000 for each sub	\$

7. OVERHEAD & PROFIT ON SUB-SUBCONTRACTORS \$

8. INSURANCE

a. payroll driven liability insurance	0.00 % of 1	\$
b. volume driven liability insurance	0.00 % of 1-7	\$

8. INSURANCE \$

9. BOND

a. bond	0.00 % of 1-8	\$
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9. BOND \$

TOTAL COST \$ 1,244.00

Project Name: Woodland HS

Owner COP No. RFI 93

Description: Modify OSA ducting at AHU1 and 41

Date: 4/16/89.00

Contractor: Capital Heating and Cooling

Contractor Ref. No.

Description	Quantity	Unit Type	Labor		Material		Equipment		Total Cost
			Unit \$	Cost	Unit \$	Cost	Unit \$	Cost	
Duct material (refer to detail)	1		\$0.00		\$224.00	224.00			\$ 224.00
Detail labor	1		\$78.00	78.00					\$ 78.00
Fabrication of added duct/fitings	3		\$78.00	234.00					\$ 234.00
Added field labor	7		\$78.00	546.00					\$ 546.00
Labor Subtotal				858.00					
Foreman									
Lead Foreman									
Noncraft Labor									
Total Cost of Work				858.00		224.00			1,082.00



Change Order Request Form

Skanska With CE Breakdown

Change Order Request: 040 Date: 2/25/2014

To: Steve Broback, McGranahan Architects, 2111 Pacific Avenue, Suite 100, Tacoma, WA 98402
From: Trevor Wyckoff, Skanska USA Building Inc., 222 SW Columbia Street, Suite 300, Portland, OR 97201

Table with 3 columns: Description, Category, Status. Row: RFI#096 Oil Water Separator Elevation, Submitted

Table with 4 columns: Reference, Required By, Days Req, Amt Req. Row: 3/4/2014, 0 \$, 4,411

Notes: This Change Order Request is for the additional costs to supply and install additional precast concrete risers at the oil/water separator in accordance with RFI#096.

Table with 7 columns: CE No, Date, Reference, Amt Prop, Days Req, Category, Reason. Row: Description, Notes

Table with 7 columns: CE No, Date, Reference, Amt Prop, Days Req, Category, Reason. Row: 0079, 2/25/2014, \$, 4,411, 0, RFI#096 Oil Water Separator Elevation

Table with 4 columns: Item No, Item Description, Amt Prop, Reference. Rows: 0001 Supply and install additional risers, 0002 GC/CM Bond, 0003 General Liability Insurance, 0004 Subcontractor Subguard Bond, 0005 Skanska Fee

Submitted By:

Signature

Name

Handwritten signature of Trevor Wyckoff

Handwritten date 2/25/2014

Date



Request for Information 0096

Detailed, RFIs Grouped by RFI Number

Woodland High School Project # 4113074-000 Skanska USA Building Inc.
Tel: Fax:

RFI #: 0096 Date Created: 2/12/2014

Table with 4 columns: Answer Company, Answered By, Author Company, Authored By. Row 1: McGranahan Architects, Steve Broback, Skanska USA Building Inc., Brandon Jensen.

Table with 2 columns: Co-Respondent, Author RFI Number. Row 1: (blank), Tapani#013

Table with 3 columns: Subject, Discipline, Category. Row 1: Oil/Water Separator Elevation, Civil

Table with 4 columns: Cc, Company Name, Contact Name, Copies, Notes

Question Date Required: 2/19/2014

Reference RF#032 and drawing C/9.08:

The response to RF#032 lowered the invert elevation of the sanitary cleanout and connection to the storage yard drain from 14.75 to 11.60 which resulted in the oil/water separator being lowered. The seperator has been installed and is approximately 4'-6" low. Please confirm if risers are to be installed to reach finish grade.

Suggestion

Answer Date Answered:

The difference in elevation based on RFI #32 at the Oil water separator is approximately 1.5' lower than the original plans. Grade rings/riser will be necessary to make the adjustment to FG.

2/12/14
Jeff Arrowsmith



P.O. Box 1900
 Battle Ground, WA 98604
 Main Office (360) 687-1148
 Main Office (Fax) 687-6748

Change Order Request

Project Name: Woodland High School Date: 2/19/2014
 Contract No: Job# 4113074-00 Subcontract No. 001
 TUI Job No. 141209
 TUI No. 9
 Owner No. 1
 General No. 1

Description: RFI #98 - Added Risers for Oil/Water Separator

Labor	Unit Rate	Hours	Unit	Total
Foreman	\$ 62.68	3	HR	\$ 187.98
Operator	\$ 61.43	3	HR	\$ 184.29
Laborer	\$ 45.98	6	HR	\$ 275.88
	\$ -	0		\$ -
Labor Sub Total				\$ 648.15
Markup				\$ 97.22
Small Tools				\$ -
Total Labor Hours				12

Equipment	Unit Rate	Hours	Unit	Total
16-19 Ton Excavator	\$ 61.70	3	HR	\$ 185.10
Crew Truck	\$ 12.00	3	HR	\$ 36.00
	\$ -	0		\$ -
	\$ -	0		\$ -
Equipment Sub Total				\$ 221.10
Markup				\$ 33.17

Material	Unit Rate	Quantity	Unit	Total
6" Risers	\$ 442.00	6	EA	\$ 2,652.00
	\$ -	0		\$ -
	\$ -	0		\$ -
Material Sub Total				\$ 2,652.00
Markup				\$ 397.80

Sub Contractors	Unit Rate	Quantity	Unit	Total
	\$ -	0		\$ -
	\$ -	0		\$ -
	\$ -	0		\$ -
	\$ -	0		\$ -
Sub Contractors Sub Total				\$ -
Markup				\$ -

Misc	Unit Rate	Quantity	Unit	Total
	\$ -	0		\$ -
	\$ -	0		\$ -
	\$ -	0		\$ -
	\$ -	0		\$ -
Misc. Total				\$ -
Markup				\$ -

Exclusions

This Change increases the time to complete the project by: Day(s)
 We reserve the right to claim cost and/or schedule impacts of later date

Total Cost	\$	3,521.25
Overhead	\$	-
Sub Total	\$	4,049.44
General Liability Insurance	\$	-
Bond	\$	-
Total Amount	\$	4,049.44

NOTE: THIS CHANGE ORDER REQUEST SHALL BE ACCEPTED AS APPROVED AND INCORPORATED INTO THE CONTRACT UNLESS WE RECEIVE A WRITTEN RESPONSE FROM YOU STATING OTHERWISE WITHIN 48 HOURS (WE WOULD PREFER THIS CHANGE ORDER REQUEST FORM TO BE SIGNED AND RETURNED).

Prepared by: *[Signature]* Accepted by: _____
 Date: 2/19/14 Date: _____



**H.D. FOWLER
COMPANY**

Customer: BIDDING CONTRACTORS
 Estimator: Rob Forster
 Job Name: RISER FOR OIL/WTR SEPERATOR
 Location: WOODLAND,WA

Estimate: E241163
 Bid Date: 2/19/2014

Line	Qty	UoM	Description	Unit Price	Extended Price
			*** OPTION "A" ***		
			** MATERIAL IN STOCK **		
1	7	EA	25/253 6" RISER 69.5"X 34"O.D.	442.00	3,094.00
2	1	EA	25/253 12" RISER 69.5"X 34"O.D.	537.00	537.00
3	1		INBOUND FRT / BILLABLE	75.00	75.00
			Section Subtotal:		3,706.00