



Turner Construction Company
10100 North Central Expressway
Suite 600
Dallas, TX 75231
Phone: (214) 721-8400
Fax: (214) 721-8493

June 1, 2015

Mr. Bill Burke
Collin County Building Projects Manager
4600 Community Avenue
McKinney, TX 75071

RE: Collin County Courthouse Addition
Owner Project #R0508003.00
Turner Project #1692600

Subject: PCO #101 – RACO Frame Cost Impacts

Dear Bill:

Section 08121 of the specifications for Interior Aluminum Door Frames lists the "Acceptable Manufacturers and Products" that could be used on this project. Only RACO is listed as an acceptable manufacturer. No other manufacturers are listed as an approved equal or as acceptable. Actually this was surprising in that we expected at least three manufacturers to be listed to provide Collin County with competitive pricing for this item. But only RACO is listed.

Section 1600-3.01 provides for the requirements of substitution procedures. Section 1600-3.01.A states that "The Contractor is required to provide all documentation and research required for qualifying substitute materials as being equal or superior to the products specified. This puts a heavy burden creates an arduous process for the Contractor. If the Owner and Designer thought other aluminum frame manufacturers were acceptable, they should have been listed. Turner selected the only apparent manufacturer approved by the Owner and Architect.

Fabrication and delivery of the aluminum and all door frames was delayed by Owner changes to the hardware and security system.. Originally the schedule showed that hollow metal frames were needed on site on December 29, 2010 and the RACO frames were needed on site on May 2, 2011 (after first coat of paint). Approval of the final changes was made on 05/11/2011. This included expediting costs for the frames because it was recognized that the hardware and security changes were delaying the installation of frames and ultimately construction.

Coincidentally our frame and hardware supplier was notified on 05/11/2011 that RACO was no longer in business. We then changed to Versatrac as a supplier of the aluminum frames. To expedite the delivery of the aluminum frames were shipped in stock length material and field

cut to fit. The RACO frames would have been delivered pre-cut and ready to assemble. Extra labor costs were a result of working overtime to install the aluminum frames since installation was behind schedule and to field cut the stock material.

We are asking that a total of **Forty Nine Thousand, Seven Hundred Thirty dollars (\$49,730)** be approved for having to change to a different aluminum frame manufacturer. (\$33,128 + \$16,602) This is the total of purchasing the Versatrac frames in lieu of the RACO frames and the additional installation costs to make up for time lost. If the hardware and security systems not changed, the aluminum frames would have been on site in May, 2011.

Please do not hesitate to call if you have any questions.

Sincerely,

Matt Nail

Matthew Nail
Project Executive
Turner Construction

cc: Sara Hoglund
Greg Mersch



Turner Construction Company
2001 N. Lamar, Suite 100
Dallas, TX 75202
Phone: (214) 721-8400
Fax: (214) 721-8493

April 17, 2013

Mr. Bill Burke
Collin County
4600 Community Ave.
McKinney, TX 75071

RE: **Collin County Courthouse Addition**
Owner Project #R0508003.00
Turner Project #1692600

SUBJ: PCO #101 R1 – RACO Fame Cost Impact.

Dear Mr. Burke:

We have finalized the required quotations for PCO #101 R1 – RACO Frame Cost Impact.

We have reviewed the scope of work and have verified that all extra work items are in compliance with our contract agreement. Attached is a detailed itemization of the extra costs. Total amount of this request is **Thirty Three Thousand One Hundred Twenty Eight dollars (\$33,128)**.

If you have any questions regarding this Change Order Request, please call me at your earliest convenience. This pricing is valid for (5) days, after which, we reserve the right to re-evaluate.

As noted before in previous correspondence, the specifications noted the manufacturer to be RACO, while allowing for the potential of a substitution request prior to bid. At that time, such request would require complete engineering costs and design to be picked up by a subcontractor since PGAL designed the Contract Documents to RACO. Due to this impact, no bidder's alternates could be properly evaluated, so the determination was made to carry RACO as the base bid. Once construction began, this scope of work received numerous delays for approval due to the base Hardware never fully being coordinated, associated RFI's being resolved, PR #11 resolution, and color selections being determined. These factors all contributed to the delay of the release for these frames. Once released in late April 2011, RACO was now out of business and Turner was forced to find an Alternative. At that time, market costs increased due to RACO customers flocking to other vendors. The substitution request was approved with the faster shipping vendor and noted to not be a cost savings. Once formal submittals were approved for the new vendor, costs were finalized and resulted in the attached increase.

Please review and acknowledge your approval in the space below. Once approval is achieved, we will expect this PCO to be included in a forthcoming Change Order.

Best Regards,

J. Leos

John Leos

Approved by:

Collin County

Date

PGAL

Date

cc: Brad Harris & Sara Hoglund- Collin County
Brian Nicodemus- PGAL
Matt Nail & Kevin Karagias- TCCo

Leos, John - (TEXAS)

From: John Kennedy [johnk@americandirectco.com]
Sent: Wednesday, June 08, 2011 5:42 PM
To: Leos, John - (TEXAS)
Subject: FW: 106724 Collin County Courthouse cost impact swap to Versatrac frames.
Attachments: quote Versatrac 5.16.11.pdf; 106724 06.01.11 Swap to Versatrac frames proposal.pdf

John please be advised of the circumstances that led up to the additional costs for the aluminum frames on this project:

Initially when we first bid this project to Turner we had offered a deduct to use an alternate manufacturer, in this case it was Frameworks. During negotiations we were informed by Turner that we had to use Raco as the aluminum interior door frame manufacturer even though they were more expensive. We were provided a contract and the amount of \$74,327.00 was issued for the interior aluminum frames.

We proceeded and submitted the Raco frames and subsequently received approval for the Raco frame product data. We later received the approval on the custom paint color on 4/26 and shortly after we issued the purchase order to Raco to begin fabrication of the interior aluminum frames.

On 5/11 we were informed that Raco were no longer in business and their entire operation had closed effective immediately. We made several calls to other aluminum frame manufacturers and the only company capable of fulfilling the order in the requested timeframe was Versatrac. Our original value alternate manufacturer Frameworks were quoting a 16-week lead-time to get the frames manufactured and shipped which would put frames on site around the first week of September.

We submitted the substitution request to swap out the frame manufacturer to Versatrac and indicated that there would be no cost savings to the owner. At the time of the substitution request we had not received the quote back from Versatrac so we did not know the full financial impact of the swap

Upon receiving the quote from Versatrac we spent some time verifying the product, quantity and then negotiating the pricing before we sent the change order request to you for the swap in manufacturer. Please see the attached copy of the new quote from Versatrac showing the cost for providing the aluminum frames on the Collin County Courthouse project without any discernable negative impact to the construction schedule.

I am also re-attaching our change order quote to you in which you can clearly see American Direct is not claiming any mark up, overhead or profit for this change.

Please let me know if there are any additional questions I can answer for you.



John Kennedy

Senior Account Manager
Supply Chain Integration

American Direct

Main. 800-593-5310

Office. 913-563-5803

Cell. 913-328-2819

Fax. 913-677-5576

johnk@AmericanDirectCo.com

6/17/2011



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

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

AD Job #: 106724.08
 Customer: Turner Construction
 Project: Collin County Courthouse
 Location: McKinney, TX

American Direct		American Direct		Customer		Description of Changes		Tax is not included in totals below!!				
Change Date	Change Number	Customer C.O. Number				HM Doors & Frames	Wood Doors & Frames	Finish Hardware	Total Amount			
6/1/2011					Swap frame manufacturers	\$29,123.00			\$29,123.00			
					Changes to aluminum frame manufacturers							
					Raco. Original frame manufacturer							
					Per Raco contract value							
					Remove all frames from this manufacturer due to Raco going out of business as	(\$74,327.00)			(\$74,327.00)			
					Versatrac. New approved frame manufacturer							
					Per Versatrac quote dated 5/16/11							
					Swap all aluminum frames to this manufacturer per substitution request approval	\$103,450.00			\$103,450.00			
					These changes have been incorporated into the project at this time.							
					Versatrac frame are on order.							
Prices EXCLUDE all applicable taxes.						Totals	\$29,123.00	\$0.00	\$0.00	\$29,123.00	\$0.00	\$0.00
						Material Status	???	???	???	???	???	???

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.

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.

Material Status Legend:

PA = Pending approval
 PO = Pending order
 PD = Pending delivery
 OS = On site

Authorized Signature _____
 Printed Name & Title: _____
 Date _____



7967 Blankenship • P. O. Box 55228 • Houston, TX 77255 • (800) 395-2014 • (713) 681-8231 • FAX: (713) 681-6198

May 12, 2011
May 16, 2011

Page 1 of 2
QUOTE # 11-1150V
Revision #1

American Direct
ATTN: John Kennedy
johnk@americandirectco.com

Phone # 913/563-5803
Fax # 913/677-5576

PROJECT NAME: COLLIN COUNTY COURTHOUSE – McKinney, TX

INTERIOR ALUMINUM FRAMES:

The following frames to be VERSATRAC Freestanding with attached segmented studs, pre finished in CUSTOM COLOR: PPG UC70123F Duranar Sunstorm Arcadia Silver, prepped for three 4-1/2" standard weight hinges and 4-7/8" ASA strike. All frames furnished for 4-7/8" wall thickness.

The following frames to be VERSATRAC Snap-In with wood backer studs for glass transom frames, pre finished in CUSTOM COLOR: PPB UC70123F Duranar Sunstorm Arcadia Silver, prepped for three 4-1/2" standard weight hinges and 4-7/8" ASA strike. All frames furnished for 4-7/8" wall thickness.

VERSATRAC interior aluminum glazing extrusions for the construction of glass transoms and sidelights, pre finished in CUSTOM COLOR: PPB UC70123F Duranar Sunstorm Arcadia Silver, furnished in uncut stock lengths for field fabrication. All material furnished for 1/4" glass and 4-7/8" wall thickness.

We find a total of: LOWER LEVEL:

- 1 ea. 3070 Single Frame – Type F1
- 5 ea. 3070 Single Glass Transom (3'0" x 1'10") Frames – Type F2
- 159 ea. 30707 Single Glass Transom (3'0" x 1'10") / Sidelight (1'6" x 9'0") Frames with 1 Horizontal Mullion – Type F4

LEVEL 1:

- 12 ea. 3070 Single Glass Transom (3'0" x 1'10") Frames – Type F2
- 89 ea. 3070 Single Glass Transom (3'0" x 1'10") / Sidelight (1'6" x 9'0") Frames with 1 Horizontal Mullion – Type F4

LUMP SUM FOR THE ABOVE: \$ 103,450.00

versatracTM

INTERIOR FRAMES

7967 Blankenship • P. O. Box 55228 • Houston, TX 77255 • (800) 395-2014 • (713) 681-8231 • FAX: (713) 681-6198

Page 2 of 2
QUOTE # 11-1150V

NOTE: The above pricing is F.O.B. jobsite- tailgate delivery – sales tax not included.

NOTE: The above quotation is valid for sixty days for shipment within ninety days.

NOTE: The above pricing excludes glass and glazing, field measurement, job erection, installation and finish hardware.

NOTE: Estimator has not seen plans, specifications, or hardware schedule. Price based on emailed or faxed information only.

Please call if you have any questions.

Sincerely,

Melba McBride



Turner Construction Company
2001 N. Lamar, Suite 100
Dallas, TX 75202
Phone: (214) 721-8400
Fax: (214) 721-8493

8/23/11

Mr. Bill Burke
Collin County
4600 Community Ave.
McKinney, TX 75071

RE: **Collin County Courthouse Addition**
Owner Project #R0508003.00
Turner Project #1692600

SUBJ: PCO #144 – Additional Installation Costs Associated with RACO Frame Issues.

Dear Mr. Burke:

We have finalized the required quotations for PCO #144 – Additional Installation Costs Associated with RACO Frame Issues.

We have reviewed the scope of work and have verified that all extra work items are in compliance with our contract agreement. Attached is a detailed itemization of the extra costs. Total amount of this request is **Sixteen Thousand Six Hundred Two dollars (\$16,602)**.

If you have any questions regarding this Change Order Request, please call me at your earliest convenience. This pricing is valid for (5) days, after which, we reserve the right to re-evaluate.

Please review and acknowledge your approval in the space below. Once approval is achieved, we will expect this PCO to be included in a forthcoming Change Order.

Best Regards,

J. Leos

John Leos

Approved by:

Collin County

Date

PGAL

Date

cc: Brad Harris & Sara Hoglund- Collin County
Brian Nicodemus- PGAL
Matt Nail & Kevin Karagias- TCCo

PCO # 144

BARBER SPECIALTIES, INC.

2412 Elizabeth Lane Seagoville, Texas 75159 Ph. 972-287-5100 / Fax 972-287-5111

COLLIN COUNTY COURTHOUSE ADDITION & RENOVATIONS

1. PCO TITLE: Premium Time for three Saturdays	2. Number	T-013
3. Change Order Requested By: Turner	4. Date	12-Aug-11
5. Owner and/or Architect-Engineer Change Order Request Number		
6. Material		\$ -
7. Equipment		\$ -
8. Sub-contractor		
	9. Material and Equipment Sub-Total	\$ -
	10. Sales Tax @ 0.00%	\$ -
11. Labor 367.00	Manhours @ \$9.88 / Hour	\$ 3,625.96
12. Labor Insurance & Taxes	35.00%	\$ 1,269.09
13. Estimation/Planning 0	Manhours @ \$ 55.00 / Hour	\$ -
14. Tool Replacement	0.00% of Labor	\$ -
15. Overtime Inefficiency	0.00% of Labor	\$ -
	16. Labor Sub-Total	\$ 4,895.05
17. Equipment Rental		
Scissor Lift 0.00	Hours @ 4.50 / Hour	\$ -
Lull 0.00	Months @ 1,850.00 / Month	\$ -
Trash 0.00	Hours @ 15.00 / Hour	\$ -
Hoisting 0.00	Hours @ 100.00 / Hour	\$ -
	18. Equipment Rental Sub-Total	\$ -
	19. CHANGE ORDER SUB-TOTAL COSTS	\$ 4,895.05
	20. Overhead 10.00%	\$ 489.50
	21. Sub-Total	\$ 5,384.55
	22. Margin 5.00%	\$ 269.23
	23. Sub-Total	\$ 5,653.78
	24. (Credits)	\$ -
	25. Sub-Total	5,653.78
30. This Proposal May Be Withdrawn By us	26. Special Insurance	\$ -
If Not Accepted Within 30 Days	27. Bond Premium 0.0%	\$ -
	28. TOTAL PRICE OF CHANGE	\$ 5,653.78
	28. TOTAL PRICE OF CHANGE	\$ 5,654.00
31. Time Extension Required of 0 Days	29. Cost if this change Order is not accepted	\$ -
32. Submitted By Brandon Barber		
33. Approved By		

Narrative: Premium time for three Saturdays 7-23-11 / 7-30-11 & 8-6-11 per directive from Turner Superintendent to expedite installation of Aluminum door frames, doors & hdwr.



Acoustical Ceilings · Drywall · Metal Stud Framing · Fire Rated Ceiling Systems · Integrated Ceiling systems · Metal Lath · Plaster & Stucco · Insulation Work · Structural Metal Framing



COLLIN COUNTY COURTHOUSE ADDITION & RENOVATIONS

Description	c o d e	Quantity	Unit of measure	Material	Material	Sub- Contractors	Labor Hrs
					-	-	-
	m				-	-	-
	m				-	-	-
	m				-	-	-
	m				-	-	-
	m				-	-	-
				-	-	-	-
Labor:					-	-	-
10 men x 9 hrs (7-23-11)		90.00	mnhrs		-	-	90
18 men x 8 hrs (7-30-11)		144.00	mnhrs		-	-	144
10 men x 8 hrs (8-6-11)		80.00	mnhrs		-	-	80
			mnhrs		-	-	-
			mnhrs		-	-	-
		-			-	-	-
		-			-	-	-
		-			-	-	-
Supervision (17% of Labor)		53.00	mn hrs		-	-	53
		-			-	-	-
TOTALS					-	-	367.00

BARBER SPECIALTIES, INC.

2412 Elizabeth Lane Seagoville, Texas 75159 Ph. 972-287-5100 / Fax 972-287-5111

COLLIN COUNTY COURTHOUSE ADDITION & RENOVATIONS

1. PCO TITLE: Additional Labor for Versatrak door frames		2. Number T-014	
3. Change Order Requested By: Turner		4. Date 12-Aug-11	
5. Owner and/or Architect-Engineer Change Order Request Number			
6. Material		\$	-
7. Equipment		\$	-
8. Sub-contractor			
9. Material and Equipment Sub-Total		\$	-
10. Sales Tax @ 0.00%		\$	-
11. Labor	276.00	Manhours @ \$19.75 / Hour	\$ 5,451.00
12. Labor Insurance & Taxes		35.00%	\$ 1,907.85
13. Estimation/Planning	0	Manhours @ \$ 55.00 / Hour	\$ -
14. Tool Replacement		7.00% of Labor	\$ 381.57
15. Overtime Inefficiency		0.00% of Labor	\$ -
16. Labor Sub-Total			\$ 7,740.42
17. Equipment Rental			
Scissor Lift	0.00	Hours @ 4.50 / Hour	\$ -
Lull	0.00	Months @ 1,850.00 / Month	\$ -
Trash	0.00	Hours @ 15.00 / Hour	\$ -
Hoisting	0.00	Hours @ 100.00 / Hour	\$ -
18. Equipment Rental Sub-Total			\$ -
19. CHANGE ORDER SUB-TOTAL COSTS			\$ 7,740.42
20. Overhead 10.00%			\$ 774.04
21. Sub-Total			\$ 8,514.46
22. Margin 5.00%			\$ 425.72
23. Sub-Total			\$ 8,940.19
24. (Credits)			\$ -
25. Sub-Total			8,940.19
26. Special Insurance			\$ -
27. Bond Premium 0.0%			\$ -
28. TOTAL PRICE OF CHANGE			8,940.19
28. TOTAL PRICE OF CHANGE			\$ 8,941.00
30. This Proposal May Be Withdrawn By us			
If Not Accepted Within 30 Days			
31. Time Extension Required of 8 Days			
32. Submitted By <u>Brandon Barber</u>			
33. Approved By _____			
		29. Cost if this change Order is not accepted	\$ -

Narrative: Additional labor required to cut & install Versatrak door frames in lieu of Raco frames. Raco door frames and sidelights would have come to the site pre-cut and ready to assemble. The Versatrak that replaced the Raco system came in stock length material that we had to field cut. Thus additional labor was required at each opening with a sidelight. The single door units without sidelights required no additional labor.



Acoustical Ceilings · Drywall · Metal Stud Framing · Fire Rated Ceiling Systems ·
Integrated Ceiling systems ·
Metal Lath · Plaster & Stucco · Insulation Work · Structural Metal Framing



COLLIN COUNTY COURTHOUSE ADDITION & RENOVATIONS

Description	c o d e	Quantity	Unit of measure	Material	Material	Sub- Contractors	Labor Hrs
					-	-	-
	m				-	-	-
	m				-	-	-
	m				-	-	-
	m				-	-	-
	m				-	-	-
				-	-	-	-
Labor:	l				-	-	-
236 Type F4 frames @ 1 HR ea.	l	236.00	mnhrs		-	-	236
	l		mnhrs		-	-	-
	l		mnhrs		-	-	-
	l		mnhrs		-	-	-
	l		mnhrs		-	-	-
		-			-	-	-
		-			-	-	-
		-			-	-	-
Supervision (17% of Labor)	l	40.00	mn hrs		-	-	40
		-			-	-	-
TOTALS					-	-	276.00



Turner Construction Company
2001 N. Lamar, Suite 100
Dallas, TX 75202
Phone: (214) 721-8400
Fax: (214) 721-8493

4/29/11

Mr. Bill Burke
Collin County
4600 Community Ave.
McKinney, TX 75071

RE: **Collin County Courthouse Addition**
Owner Project #R0508003.00
Turner Project #1692600

SUBJ: PCO #054 R3 – PR #11R2 – Security & Manual Hardware Revisions.

Dear Mr. Burke:

We have finalized the required quotations for PCO #054 R3 – PR #11R2 – Security & Manual Hardware Revisions.

We have reviewed the scope of work and have verified that all extra work items are in compliance with our contract agreement. Attached is a detailed itemization of the extra costs. Total amount of this request is **Thirty Nine Thousand Eight Hundred Fifteen dollars (\$39,815)**.

If you have any questions regarding this Change Order Request, please call me at your earliest convenience.

Please review and acknowledge your approval in the space below. Once approval is achieved, we will expect this PCO to be included in a forthcoming Change Order.

Best Regards,

J. Leos

John Leos

Approved by:



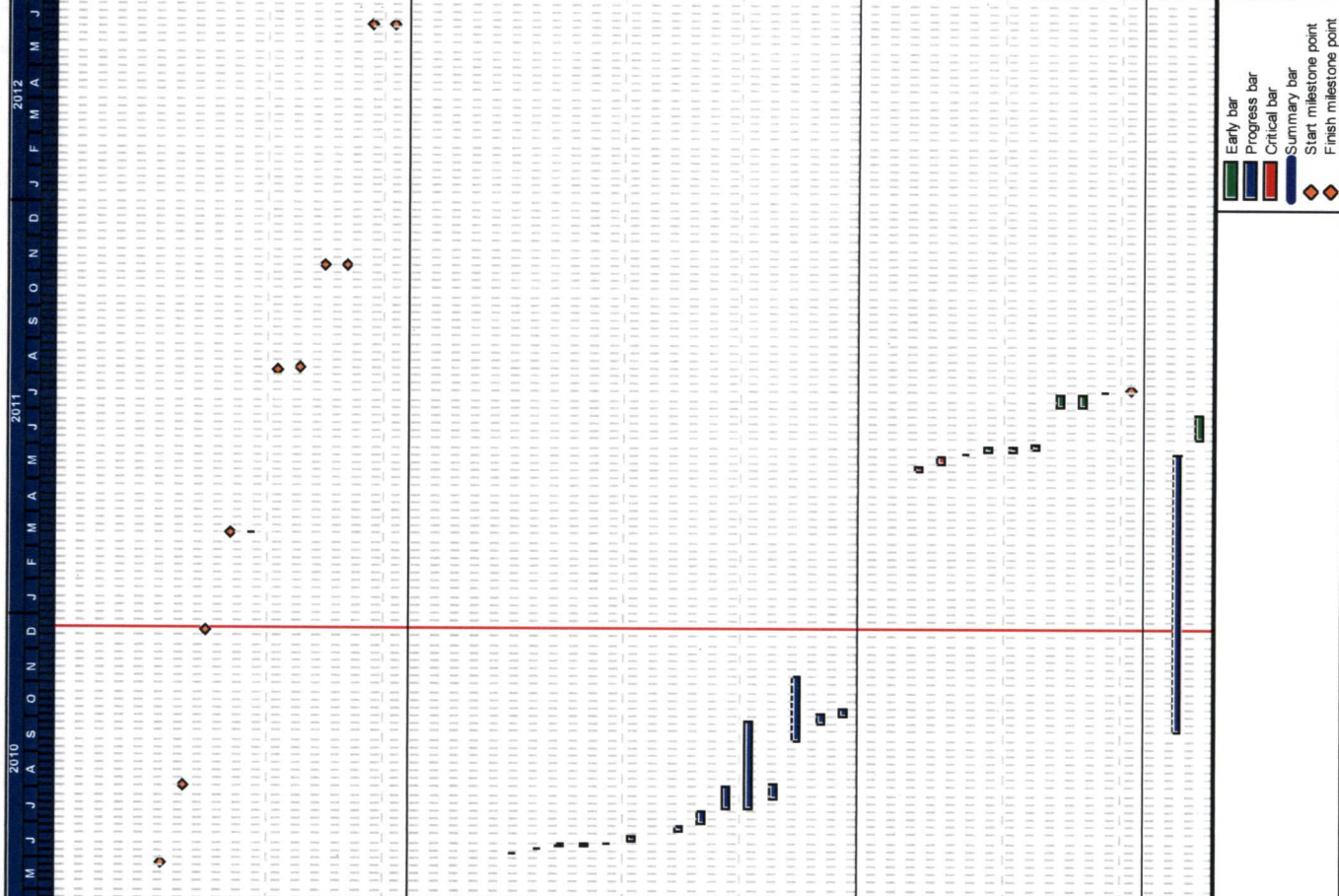
Collin County

5/11/11
Date

PGAL

Date

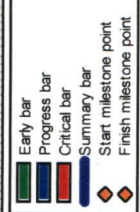
cc: Brad Harris & Sara Hoglund- Collin County
Brian Nicodemus- PGAL
Matt Nail, Suhel Rahman, & Ronnie Holcomb- TCCo



Act ID	Description	Orig Dur	Rem Dur	Early Start	Early Finish	%
KEY MILESTONES						
PROJECT MILESTONE						
PWOPM00000	Notice to Proceed	0	0	26MAY10 A		100
PWOPM01050	Start Foundations - Pier Drilling	0	0	02AUG10 A		100
PWOPM01000	Concrete Structure Complete	0	0		17DEC10	0
PWOPM01040	Building Dry-In	0	0		14MAR11	0
PWOPM05500	Conditioned Air Available	1	1	15MAR11		0
PWOPM09200	Substantial Completion - New Addition	0	0	08AUG11		0
PWOPM09300	Start Move to New Addition	0	0		07NOV11	0
PWOPM09400	Move Complete-Ready for Existing Building Renova	0	0	08NOV11		0
PWOPM09410	Start Renovation - Existing Building	0	0		06JUN12	0
PWOPM09500	Substantial Completion - Renovation	0	0		06JUN12	0
PWOPM09500	Final Project Completion	0	0		06JUN12	0
ADDITION						
SITEWORK						
PROJECT WIDE						
SITE PREPARATION						
PWGSW00000	Field Mobilization	7	0	05JUN10 A	05JUN10 A	100
PWGSW01070	Install Construction Entrance	4	0	06JUN10 A	11JUN10 A	100
PWGSW01100	Install SWPPP	5	0	11JUN10 A	14JUN10 A	100
PWGSW01110	Install Construction Fence/Gates	7	0	11JUN10 A	14JUN10 A	100
PWGSW01060	Site Survey/Field Engineering	5	0	14JUN10 A	15JUN10 A	100
PWGSW00020	Clear / Grub Site	5	0	16JUN10 A	22JUN10 A	100
PWGSW01120	Set Trailer/Install Utilities for Trailer	12	0	21JUN10 A	22JUN10 A	100
PWGSW01000	Earthwork / Rough Grade Site	20	0	24JUN10 A	01JUL10 A	100
PWGSW01080	Grade Building Crawl Space	10	0	02JUL10 A	14JUL10 A	100
PWGSW01020	Underground Plumbing	15	0	15JUL10 A	04AUG10 A	100
PWGSW01090	Grade Fire Lane & Parking Lots	20	0	15JUL10 A	30SEP10 A	100
PWGSW01030	Underground Electrical	10	0	22JUL10 A	06AUG10 A	100
PWGSW01010	Underground (Storm Sewer/Sanitary...)	25	0	13SEP10 A	09NOV10 A	100
PWGSW01130	Lime Stabilization	7	0	27SEP10 A	08OCT10 A	100
PWGSW01040	Final Blue Topping	5	0	04OCT10 A	11OCT10 A	100
PAVING & LANDSCAPING						
PSGSW02000	Pave Parking Area - Initial 4" Base	2	0	12OCT10 A	13OCT10 A	100
PWGSW01150	Seed Sloped Areas	5	5	10MAY11	16MAY11	0
PWGSW01140	Temp Irrigation	5	5	17MAY11	23MAY11	0
PSGSW02020	Pave Areas - Final	2	2	24MAY11	25MAY11	0
PSGSW02010	Stripe Parking Area	5	5	26MAY11	01JUN11	0
PSGSW02100	Site Fence	5	5	26MAY11	01JUN11	0
PSGSW02040	Irrigation	5	5	30MAY11	03JUN11	0
PSGSW02050	Plant Trees	10	10	05JUL11	18JUL11	0
PSGSW02070	Landscape Planting	10	10	05JUL11	18JUL11	0
PSGSW02080	Remaining Seeding / Sod	2	2	19JUL11	20JUL11	0
PSGSW02800	Site Work Complete	0	0		20JUL11	0
HARDSCAPE						
PSGSW02120	Lighting	15	4	20SEP10 A	27MAY11	75
PSGSW02030	Hardscape/Sidewalks	20	20	06JUN11	01JUL11	0

Start date 26APR10
 Finish date 06JUN12
 Data date 20DEC10
 Run date 20DEC10
 Page number 1A
 © Primavera Systems, Inc.

Act ID	Description	Qty/Dur	Rem Dur	Early Start	Early Finish	%
STRUCTURE						
PROJECT WIDE						
LOWER LEVEL						
PW0FN03040	Exterior Wall Mock-up	20	11	25OCT10 A	03JAN11	45
PW0FN03050	West Wall Mud Slab Repair	10	1	18DEC10 A	20DEC10	90
BUILDING A						
LEVEL 1						
AA00103040	Columns to Level 1: Area A	3	0	13OCT10 A	15OCT10 A	100
AA00103060	Lay Deck Level 1: Area A	5	0	18OCT10 A	19OCT10 A	100
AA00103070	Shoring Level 1: Area A	2	0	18OCT10 A	19OCT10 A	100
AA00103020	MEP - In Slab Rough-In Level 1: Area A	6	0	19OCT10 A	20OCT10 A	100
AA00103050	FRP Deck Level 1: Area A	12	0	19OCT10 A	22OCT10 A	100
AA00103080	Strip Tables Level 1: Area A	2	0	25OCT10 A	27OCT10 A	100
AA00103090	Reshore Level 1: Area A	2	0	27OCT10 A	28OCT10 A	100
LOWER LEVEL						
AA0FN03000	Layout Lower Level: Area A	2	0	02AUG10 A	02AUG10 A	100
AA0FN03010	Drill Piers: Area A	4	0	06AUG10 A	09AUG10 A	100
AA0FN03050	Plumbing Lower Level: Area A	2	0	10AUG10 A	12AUG10 A	100
AA0FN03030	FRP Columns to Lower Level: Area A	2	0	13AUG10 A	10SEP10 A	100
AA0FN03060	FRP Gradebeam - Lower Level: Area A	4	0	13AUG10 A	10SEP10 A	100
AA0FN03120	Fine Grate	2	0	13SEP10 A	14SEP10 A	100
AA0FN03140	Termite Treatment	1	0	17SEP10 A	17SEP10 A	100
AA0FN03130	Mud Slab: Area A	3	0	18SEP10 A	21SEP10 A	100
AA0FN03080	Shoring Lower Level Slab: Area A	2	0	22SEP10 A	23SEP10 A	100
AA0FN03150	Lay Pan Deck Lower Level: Area A	5	0	23SEP10 A	25SEP10 A	100
AA0FN03070	MEP Lower Level: Area A	6	0	24SEP10 A	25DEC10 A	100
AA0FN03090	FRP Deck Lower Level: Area A	10	0	27SEP10 A	29SEP10 A	100
AA0FN03200	Strip Tables - Lower Level: Area A	3	0	01OCT10 A	08OCT10 A	100
AA0FN03110	Reshore Lower Level: Area A	2	0	13OCT10 A	14OCT10 A	100
PENTHOUSE						
AA0PH03010	Columns to Penthouse: Area A	3	0	27OCT10 A	29OCT10 A	100
AA0PH03030	Shoring Penthouse: Area A	2	0	30OCT10 A	05NOV10 A	100
AA0PH03040	Lay Deck PH: Area A	5	0	03NOV10 A	06NOV10 A	100
AA0PH03020	MEP - In Slab Rough-in PH: Area A	6	0	05NOV10 A	08NOV10 A	100
AA0PH03050	FRP Deck PH: Area A	12	0	08NOV10 A	11NOV10 A	100
AA0PH03080	Strip Tables: Level PH: Area A	2	0	15NOV10 A	17NOV10 A	100
AA0PH03090	Reshore Level PH: Area A	2	0	18NOV10 A	19NOV10 A	100
AA0PH03060	Structural CMU Exterior Walls PH: Area A	10	5	01DEC10 A	24DEC10	50
AA0PH03070	Structural Steel PH: Area A	10	10	27DEC10 *	07JAN11	0
BUILDING C						
LEVEL 1						
AC00103000	Columns to Level 1: Area C	3	0	15OCT10 A	16OCT10 A	100
AC00103010	Shoring Level 1: Area C	2	0	18OCT10 A	19OCT10 A	100
AC00103020	Lay Deck Level 1: Area C	5	0	19OCT10 A	22OCT10 A	100
AC00103040	MEP - In Slab Rough-In Level 1: Area C	6	0	21OCT10 A	28OCT10 A	100
AC00103030	FRP Deck Level 1: Area C	10	0	27OCT10 A	04NOV10 A	100
AC00103050	Strip Tables Level 1: Area C	2	0	05NOV10 A	09NOV10 A	100
AC00103060	Reshore Level 1: Area C	2	0	09NOV10 A	11NOV10 A	100
AC00103070	Stair - LL to L1	4	0	17NOV10 A	09DEC10 A	100



Start date	26APR10
Finish date	06JUN12
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Act ID	Description	Orig Dur	Rom Dur	Early Start	Early Finish	%
LOWER LEVEL						
AC0F N03000	Layout Lower Level: Area C	2	0	02AUG10 A	02AUG10 A	100
AC0F N03010	Drill Piers: Area C	4	0	02AUG10 A	05AUG10 A	100
AC0F N03020	FRP Columns to Lower Level: Area C	2	0	06AUG10 A	09AUG10 A	100
AC0F N03030	Plumbing Lower Level: Area C	2	0	09AUG10 A	10AUG10 A	100
AC0F N03210	Remove Metal Panels: Lower Level Area C	3	0	23AUG10 A	25AUG10 A	100
AC0F N03040	FRP Gradebeam - Lower Level: Area C	4	0	23AUG10 A	03SEP10 A	100
AC0F N03060	Fine Grade: Area C	2	0	07SEP10 A	09SEP10 A	100
AC0F N03220	Water Proof: Lower Level: Area C	1	0	07SEP10 A	10SEP10 A	100
AC0F N03070	Termite Treatment: Area C	1	0	17SEP10 A	17SEP10 A	100
AC0F N03080	Mud Slab: Area C	3	0	21SEP10 A	22SEP10 A	100
AC0F N03090	Shoring Lower Level Slab: Area C	2	0	27SEP10 A	29SEP10 A	100
AC0F N03120	In Slab MEP Lower Level: Area C	6	0	28SEP10 A	01OCT10 A	100
AC0F N03100	Lay Pan Deck Lower Level: Area C	5	0	28SEP10 A	04OCT10 A	100
AC0F N03110	FRP Deck Lower Level: Area C	10	0	28SEP10 A	08OCT10 A	100
AC0F N03130	Strip Tables Lower Level: Area C	2	0	11OCT10 A	12OCT10 A	100
AC0F N03140	Reshore Lower Level: Area C	2	0	12OCT10 A	14OCT10 A	100
PENTHOUSE						
AC0PH03020	Shoring Penthouse: Area C	2	0	29OCT10 A	01NOV10 A	100
AC0PH03000	Columns to Penthouse: Area C	3	0	02NOV10 A	03NOV10 A	100
AC0PH03030	Lay Deck PH: Area C	5	0	02NOV10 A	05NOV10 A	100
AC0PH03050	MEP - In Slab Rough-in PH: Area C	6	0	04NOV10 A	09NOV10 A	100
AC0PH03040	FRP Deck PH: Area C	8	0	11NOV10 A	13NOV10 A	100
AC0PH03070	Strip Tables: Level PH: Area C	2	0	15NOV10 A	16NOV10 A	100
AC0PH03080	Reshore Level PH: Area C	2	0	16NOV10 A	17NOV10 A	100
AC0PH03090	Structural CMU Exterior Walls PH: Area C	7	4	02DEC10 A	23DEC10	40
AC0PH03060	Structural Steel PH: Area C	10	10	24DEC10 *	06JAN11	0
BUILDING D						
LEVEL 1						
AD00103000	Columns to Level 1: Area D	3	0	05NOV10 A	09NOV10 A	100
AD00103010	Shoring Level 1: Area D	2	0	10NOV10 A	12NOV10 A	100
AD00103020	Lay Deck Level 1: Area D	5	0	11NOV10 A	17NOV10 A	100
AD00103040	MEP - In Slab Rough-in Level 1: Area D	6	0	16NOV10 A	22NOV10 A	100
AD00103030	FRP Deck Level 1: Area D	12	0	17NOV10 A	30NOV10 A	100
AD00103050	Strip Tables Level 1: Area D	2	0	02DEC10 A	03DEC10 A	100
AD00103060	Reshore Level 1: Area D	2	0	03DEC10 A	04DEC10 A	100
LOWER LEVEL						
AD0F N03000	Layout Lower Level: Area D	2	0	02AUG10 A	02AUG10 A	100
AD0F N03010	Drill Piers: Area D	4	0	12AUG10 A	13AUG10 A	100
AD0F N03020	FRP Columns to Lower Level: Area D	2	0	16AUG10 A	17AUG10 A	100
AD0F N03030	Plumbing Lower Level: Area D	2	0	19AUG10 A	20AUG10 A	100
AD0F N03210	Remove Metal Panels: Lower Level Area D	3	0	23AUG10 A	25AUG10 A	100
AD0F N03220	Water Proof: Lower Level Area D	1	0	07SEP10 A	10SEP10 A	100
AD0F N03040	FRP Gradebeam - Lower Level: Area D	4	0	17SEP10 A	20SEP10 A	100
AD0F N03060	Fine Grade: Area D	2	0	20SEP10 A	21SEP10 A	100
AD0F N03070	Termite Treatment: Area D	1	0	30SEP10 A	30SEP10 A	100
AD0F N03080	Mud Slab: Area D	3	0	01OCT10 A	01OCT10 A	100
AD0F N03090	Shoring Lower Level Slab: Area D	2	0	04OCT10 A	05OCT10 A	100
PWF0 N03150	Prep for Escalator: Equipment	4	0	04OCT10 A	06OCT10 A	100

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Act ID	Description	Orig Dur	Rem Dur	Early Start	Early Finish	%
ABOP-H05150	Exterior Metal Panels: North Elevation Area B	5	5	24MAR11	30MAR11	0
INTERIOR FRAMING & ROUGH-IN						
BUILDING A						
LEVEL 1						
AA0207000	Layout and Top Track: Area A	6	6	28DEC10	04JAN11	0
AA0207010	Frame Walls: Area A	10	10	11JAN11	24JAN11	0
AA0207020	Install Door Frames: Area A	5	5	25JAN11	31JAN11	0
AA0207030	Above Ceiling Mechanical Rough in: Area A	5	5	01FEB11	07FEB11	0
AA0207040	Above Ceiling Plumbing Rough in: Area A	5	5	03FEB11	09FEB11	0
AA0207050	Above Ceiling Electrical Rough in: Area A	5	5	07FEB11	11FEB11	0
AA0207060	Above Ceiling Data Rough in: Area A	7	7	09FEB11	17FEB11	0
AA0207070	In Wall Rough In Plumbing: Area A	2	2	10FEB11	11FEB11	0
AA0207080	In Wall Rough In Electrical: Area A	2	2	11FEB11	14FEB11	0
AA0207090	In Wall Rough In Data: Area A	2	2	14FEB11	15FEB11	0
AA0207100	Above ceiling Fire Sprinkler Piping: Area A	10	10	18FEB11	03MAR11	0
AA0207110	Drywall one side: Area A	15	15	04MAR11	24MAR11	0
AA0207120	Insulation + Drywall second side: Area A	10	10	25MAR11	07APR11	0
AA0207130	Tape / Bed / Prime Walls: Area A	15	15	08APR11	28APR11	0
AA0207140	Prep for paint: Area A	5	5	29APR11	05MAY11	0
LOWER LEVEL						
AA0107050	Above Ceiling Mechanical Rough in: Area A	5	4	02DEC10 A	21JAN11	20
AA0107000	Layout and Top Track: Area A	6	6	20DEC10	27DEC10	0
AA0107010	Frame Walls: Area A	10	10	28DEC10	10JAN11	0
AA0107020	Install Door Frames: Area A	5	5	11JAN11	17JAN11	0
AA0107120	Above Ceiling Plumbing Rough in: Area A	5	5	18JAN11	24JAN11	0
AA0107110	Above Ceiling Electrical Rough in: Area A	5	5	20JAN11	26JAN11	0
AA0107040	Above Ceiling Data Rough In: Area A	7	7	24JAN11	01FEB11	0
AA0107140	In Wall Rough In Plumbing: Area A	2	2	25JAN11	26JAN11	0
AA0107150	In Wall Rough In Electrical: Area A	2	2	26JAN11	27JAN11	0
AA0107160	In Wall Rough In Data: Area A	2	2	27JAN11	28JAN11	0
AA0107060	Above ceiling Fire Sprinkler Piping: Area A	10	10	02FEB11	15FEB11	0
AA0107070	Drywall one side: Area A	15	15	16FEB11	08MAR11	0
AA0107080	Insulation + Drywall second side: Area A	10	10	09MAR11	22MAR11	0
AA0107090	Tape / Bed / Prime Walls: Area A	15	15	23MAR11	12APR11	0
AA0107100	Prep for paint: Area A	5	5	13APR11	19APR11	0
PENTHOUSE						
AA0PH07000	Layout and Top Track: Area A	6	6	25JAN11	01FEB11	0
AA0PH07010	Frame Walls: Area A	10	10	02FEB11	15FEB11	0
AA0PH07020	Install Door Frames: Area A	5	5	16FEB11	22FEB11	0
AA0PH07030	Above Ceiling Mechanical Rough in: Area A	5	5	23FEB11	01MART11	0
AA0PH07040	Above Ceiling Plumbing Rough in: Area A	5	5	25FEB11	03MART11	0
AA0PH07050	Above Ceiling Electrical Rough in: Area A	5	5	01MART11	07MART11	0
AA0PH07060	Above Ceiling Data Rough In: Area A	7	7	03MART11	11MART11	0
AA0PH07070	In Wall Rough In Plumbing: Area A	2	2	04MART11	07MART11	0
AA0PH07080	In Wall Rough In Electrical: Area A	2	2	07MART11	08MART11	0
AA0PH07090	In Wall Rough In Data: Area A	2	2	08MART11	09MART11	0
AA0PH07100	Above ceiling Fire Sprinkler Piping: Area A	10	10	14MART11	25MART11	0
AA0PH07110	Drywall one side: Area A	15	15	28MART11	15APR11	0
AA0PH07120	Insulation + Drywall second side: Area A	10	10	18APR11	29APR11	0

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Legend:

- Early bar
- Progress bar
- Critical bar
- Summary bar
- Start milestone point
- Finish milestone point

Act ID	Description	Qty	Run Dur	Early Start	Early Finish	%
AAOP-H07130	Tape / Bed / Prime Walls: Area A	15	15	02MAY11	20MAY11	0
AAOP-H07140	Prep for paint: Area A	5	5	23MAY11	27MAY11	0
BUILDING C						
LEVEL 1						
AC00207000	Layout and Top Track Area C	4	4	24DEC10	29DEC10	0
AC00207010	Frame Walls: Area C	8	8	05JAN11	14JAN11	0
AC00207020	Above Ceiling Mechanical Rough in: Area C	5	5	07JAN11	13JAN11	0
AC00207030	Install Door Frames: Area C	5	5	10JAN11	14JAN11	0
AC00207040	Above Ceiling Plumbing Rough in: Area C	5	5	11JAN11	17JAN11	0
AC00207050	Above Ceiling Electrical Rough in: Area C	5	5	13JAN11	19JAN11	0
AC00207060	Above Ceiling Data Rough in: Area C	5	5	17JAN11	21JAN11	0
AC00207070	In Wall Rough In Plumbing: Area C	7	7	18JAN11	26JAN11	0
AC00207080	In Wall Rough In Electrical: Area C	7	7	19JAN11	27JAN11	0
AC00207090	Above ceiling Fire Sprinkler Piping: Area C	7	7	24JAN11	01FEB11	0
AC00207100	In Wall Rough In Data: Area C	3	3	25JAN11	27JAN11	0
AC00207110	Drywall one side: Area C	7	7	02FEB11	10FEB11	0
AC00207120	Insulation + Drywall second side: Area C	10	10	11FEB11	24FEB11	0
AC00207130	Tape / Bed / Prime Walls: Area C	7	7	25FEB11	07MAR11	0
AC00207140	Prep for paint: Area C	4	4	08MAR11	11MAR11	0
LOWER LEVEL						
AC00107050	Above Ceiling Mechanical Rough in: Area C	5	4	01DEC10 A	31DEC10	25
AC00107000	Layout and Top Track Area C	4	4	20DEC10	23DEC10	0
AC00107010	Frame Walls: Area C	8	8	24DEC10	04JAN11	0
AC00107020	Above Ceiling Plumbing Rough in: Area C	5	5	28DEC10	03JAN11	0
AC00107030	Install Door Frames: Area C	5	5	29DEC10	04JAN11	0
AC00107040	Above Ceiling Electrical Rough in: Area C	5	5	30DEC10	05JAN11	0
AC00107140	Above Ceiling Data Rough In: Area C	5	5	03JAN11	07JAN11	0
AC00107150	In Wall Rough In Plumbing: Area C	7	7	04JAN11	12JAN11	0
AC00107160	In Wall Rough In Electrical: Area C	7	7	05JAN11	13JAN11	0
AC00107060	Above ceiling Fire Sprinkler Piping: Area C	7	7	10JAN11	18JAN11	0
AC00107070	In Wall Rough In Data: Area C	3	3	11JAN11	13JAN11	0
AC00107080	Drywall one side: Area C	7	7	17FEB11	25FEB11	0
AC00107090	Insulation + Drywall second side: Area C	10	10	28FEB11	11MAR11	0
AC00107100	Tape / Bed / Prime Walls: Area C	7	7	14MAR11	22MAR11	0
AC00107110	Prep for paint: Area C	4	4	23MAR11	28MAR11	0
PENTHOUSE						
AC0PH07000	Layout and Top Track Area C	4	4	17JAN11	20JAN11	0
AC0PH07010	Frame Walls: Area C	8	8	21JAN11	01FEB11	0
AC0PH07020	Above Ceiling Mechanical Rough in: Area C	5	5	25JAN11	31JAN11	0
AC0PH07030	Install Door Frames: Area C	5	5	26JAN11	01FEB11	0
AC0PH07040	Above Ceiling Plumbing Rough in: Area C	5	5	27JAN11	02FEB11	0
AC0PH07050	Above Ceiling Electrical Rough in: Area C	5	5	31JAN11	04FEB11	0
AC0PH07060	Above Ceiling Data Rough In: Area C	5	5	02FEB11	08FEB11	0
AC0PH07070	In Wall Rough In Plumbing: Area C	7	7	09FEB11	11FEB11	0
AC0PH07080	In Wall Rough In Electrical: Area C	7	7	04FEB11	14FEB11	0
AC0PH07090	Above ceiling Fire Sprinkler Piping: Area C	7	7	09FEB11	17FEB11	0
AC0PH07100	In Wall Rough In Data: Area C	3	3	10FEB11	14FEB11	0
AC0PH07110	Drywall one side: Area C	7	7	18FEB11	28FEB11	0
AC0PH07120	Insulation + Drywall second side: Area C	10	10	01MAR11	14MAR11	0

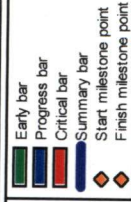
Start date: 26APR10
 Finish date: 06JUN12
 Data date: 20DEC10
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Act ID	Description	Orig Dur	Rem Dur	Early Start	Early Finish	%
ACOPH07140	Tape / Bed / Prime Walls: Area A	15	15	15MAR11	04APR11	0
ACOPH07150	Prep for paint: Area A	5	5	05APR11	11APR11	0
BUILDING D						
LEVEL 1						
AD00207000	Layout and Top Track Area D	6	6	28DEC10	04JAN11	0
AD00207010	Frame Walls: Area D	10	10	13JAN11	26JAN11	0
AD00207020	Install Door Frames: Area D	5	5	27JAN11	02FEB11	0
AD00207030	Above Ceiling Mechanical Rough in: Area D	5	5	03FEB11	08FEB11	0
AD00207040	Above Ceiling Plumbing Rough in: Area D	5	5	07FEB11	11FEB11	0
AD00207050	Above Ceiling Electrical Rough in: Area D	5	5	08FEB11	15FEB11	0
AD00207060	Above Ceiling Data Rough in: Area D	7	7	11FEB11	21FEB11	0
AD00207070	In Wall Rough In Plumbing: Area D	2	2	14FEB11	15FEB11	0
AD00207080	In Wall Rough In Electrical: Area D	2	2	15FEB11	16FEB11	0
AD00207090	In Wall Rough In Data: Area D	2	2	16FEB11	17FEB11	0
AD00207100	Above ceiling Fire Sprinkler Piping: Area D	10	10	22FEB11	07MAR11	0
AD00207110	Drywall one side: Area D	15	15	08MAR11	28MAR11	0
AD00207120	Insulation + Drywall second side: Area D	10	10	29MAR11	11APR11	0
AD00207130	Tape / Bed / Prime Walls: Area D	15	15	12APR11	02MAY11	0
AD00207140	Prep for paint: Area D	5	5	03MAY11	09MAY11	0
LOWER LEVEL						
AD00107000	Layout and Top Track Area D	6	6	20DEC10	27DEC10	0
AD00107010	Frame Walls: Area D	10	10	30DEC10	12JAN11	0
AD00107020	Install Door Frames: Area D	5	5	13JAN11	19JAN11	0
AD00107050	Above Ceiling Mechanical Rough in: Area D	5	5	20JAN11	26JAN11	0
AD00107120	Above Ceiling Plumbing Rough in: Area D	5	5	24JAN11	28JAN11	0
AD00107110	Above Ceiling Electrical Rough in: Area D	5	5	26JAN11	01FEB11	0
AD00107040	Above Ceiling Data Rough in: Area D	7	7	28JAN11	07FEB11	0
AD00107140	In Wall Rough In Plumbing: Area D	2	2	31JAN11	01FEB11	0
AD00107150	In Wall Rough In Electrical: Area D	2	2	01FEB11	02FEB11	0
AD00107160	In Wall Rough In Data: Area D	2	2	02FEB11	03FEB11	0
AD00107060	Above ceiling Fire Sprinkler Piping: Area D	10	10	08FEB11	21FEB11	0
AD00107070	Drywall one side: Area D	15	15	22FEB11	14MAR11	0
AD00107080	Insulation + Drywall second side: Area D	10	10	15MAR11	28MAR11	0
AD00107090	Tape / Bed / Prime Walls: Area D	15	15	29MAR11	18APR11	0
AD00107100	Prep for paint: Area D	5	5	19APR11	25APR11	0
VENTHOUSE						
AD0P-H07000	Layout and Top Track Area D	6	6	05JAN11	12JAN11	0
AD0P-H07010	Frame Walls: Area D	10	10	27JAN11	09FEB11	0
AD0P-H07020	Install Door Frames: Area D	5	5	10FEB11	16FEB11	0
AD0P-H07030	Above Ceiling Mechanical Rough in: Area D	5	5	17FEB11	23FEB11	0
AD0P-H07040	Above Ceiling Plumbing Rough in: Area D	5	5	21FEB11	25FEB11	0
AD0P-H07050	Above Ceiling Electrical Rough in: Area D	5	5	23FEB11	01MAR11	0
AD0P-H07060	Above Ceiling Data Rough in: Area D	7	7	25FEB11	07MAR11	0
AD0P-H07070	In Wall Rough In Plumbing: Area D	2	2	28FEB11	01MAR11	0
AD0P-H07080	In Wall Rough In Electrical: Area D	2	2	01MAR11	02MAR11	0
AD0P-H07090	In Wall Rough In Data: Area D	2	2	02MAR11	03MAR11	0
AD0P-H07100	Above ceiling Fire Sprinkler Piping: Area D	10	10	08MAR11	21MAR11	0
AD0P-H07110	Drywall one side: Area D	15	15	22MAR11	11APR11	0
AD0P-H07120	Insulation + Drywall second side: Area D	10	10	12APR11	25APR11	0

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█ Early bar
█ Progress bar
█ Critical bar
█ Summary bar
◆ Start milestone point
◆ Finish milestone point

Act ID	Description	Orig Dur	Rem Dur	Early Start	Early Finish	%
AD0PH07130	Tape / Bed / Prime Walls: Area D	15	5	28APR11	16MAY11	0
AD0PH07140	Prep for paint: Area D	5	5	17MAY11	23MAY11	0
BUILDING B						
LEVEL 1						
AB00207000	Layout and Top Track Area B	6	6	28DEC10	04JAN11	0
AB00207010	Frame Walls: Area B	10	10	11JAN11	24JAN11	0
AB00207020	Install Door Frames: Area B	5	5	25JAN11	31JAN11	0
AB00207030	Above Ceiling Mechanical Rough in: Area B	5	5	01FEB11	07FEB11	0
AB00207040	Above Ceiling Plumbing Rough in: Area B	5	5	03FEB11	09FEB11	0
AB00207050	Above Ceiling Electrical Rough in: Area B	5	5	07FEB11	11FEB11	0
AB00207060	Above Ceiling Data Rough in: Area B	7	7	09FEB11	17FEB11	0
AB00207070	In Wall Rough In Plumbing: Area B	2	2	10FEB11	11FEB11	0
AB00207080	In Wall Rough In Electrical: Area B	2	2	14FEB11	15FEB11	0
AB00207090	In Wall Rough In Delta: Area B	2	2	14FEB11	15FEB11	0
AB00207100	Above ceiling Fire Sprinkler Piping: Area B	10	10	18FEB11	03MAR11	0
AB00207110	Drywall one side: Area B	15	15	04MAR11	24MAR11	0
AB00207120	Insulation + Drywall second side: Area B	10	10	25MAR11	07APR11	0
AB00207130	Tape / Bed / Prime Walls: Area B	15	15	08APR11	28APR11	0
AB00207140	Prep for paint: Area B	5	5	29APR11	05MAY11	0
LOWER LEVEL						
AB00107000	Layout and Top Track Area B	6	6	20DEC10	27DEC10	0
AB00107010	Frame Walls: Area B	10	10	28DEC10	10JAN11	0
AB00107020	Install Door Frames: Area B	5	5	11JAN11	17JAN11	0
AB00107050	Above Ceiling Mechanical Rough in: Area B	5	5	18JAN11	24JAN11	0
AB00107120	Above Ceiling Plumbing Rough in: Area B	5	5	20JAN11	26JAN11	0
AB00107110	Above Ceiling Electrical Rough in: Area B	5	5	24JAN11	28JAN11	0
AB00107040	Above Ceiling Data Rough In: Area B	7	7	26JAN11	03FEB11	0
AB00107140	In Wall Rough In Plumbing: Area B	2	2	27JAN11	28JAN11	0
AB00107150	In Wall Rough In Electrical: Area B	2	2	28JAN11	31JAN11	0
AB00107160	In Wall Rough In Delta: Area B	2	2	31JAN11	01FEB11	0
AB00107060	Above ceiling Fire Sprinkler Piping: Area B	10	10	04FEB11	17FEB11	0
AB00107070	Drywall one side: Area B	15	15	18FEB11	10MAR11	0
AB00107080	Insulation + Drywall second side: Area B	10	10	11MAR11	24MAR11	0
AB00107090	Tape / Bed / Prime Walls: Area B	15	15	25MAR11	14APR11	0
AB00107100	Prep for paint: Area B	5	5	15APR11	21APR11	0
BENT HOUSE						
AB0P-H07000	Layout and Top Track Area B	6	6	05JAN11	12JAN11	0
AB0P-H07010	Frame Walls: Area B	10	10	25JAN11	07FEB11	0
AB0P-H07020	Install Door Frames: Area B	5	5	08FEB11	14FEB11	0
AB0P-H07030	Above Ceiling Mechanical Rough in: Area B	5	5	15FEB11	21FEB11	0
AB0P-H07040	Above Ceiling Plumbing Rough in: Area B	5	5	17FEB11	23FEB11	0
AB0P-H07050	Above Ceiling Electrical Rough in: Area B	5	5	21FEB11	25FEB11	0
AB0P-H07060	Above Ceiling Data Rough In: Area B	7	7	23FEB11	03MAR11	0
AB0P-H07070	In Wall Rough In Plumbing: Area B	2	2	24FEB11	25FEB11	0
AB0P-H07080	In Wall Rough In Electrical: Area B	2	2	25FEB11	28FEB11	0
AB0P-H07090	In Wall Rough In Delta: Area B	2	2	28FEB11	01MAR11	0
AB0P-H07200	Above ceiling Fire Sprinkler Piping: Area B	10	10	04MAR11	17MAR11	0
AB0P-H07110	Drywall one side: Area B	15	15	18MAR11	07APR11	0
AB0P-H07120	Insulation + Drywall second side: Area B	10	10	08APR11	21APR11	0



Act ID	Description	Orig Dur	Rem Dur	Early Start	Early Finish	%
ABOPH07130	Tape / Bed / Prime Walls: Area B	15	15	22APR11	12MAY11	0
ABOPH07140	Prep for paint: Area B	5	5	13MAY11	19MAY11	0
FINISHES & CEILING						
BUILDING A						
LEVEL 1						
AA00208630	Tape/Bed/Walls & Ceilings	10	10	08APR11	21APR11	0
AA00208640	First Coat Paint walls & ceilings	4	4	22APR11	27APR11	0
AA00208650	Install Wall Tile	3	3	28APR11	02MAY11	0
AA00208660	Set Electrical/Mech Fixtures & Trim	2	2	03MAY11	04MAY11	0
AA00208670	Set Plumbing Fixtures/Misc Fittings	2	2	05MAY11	06MAY11	0
AA00208680	First Coat Paint walls & ceilings	3	3	06MAY11	10MAY11	0
AA00208690	First Coat Paint walls & ceilings	5	5	06MAY11	12MAY11	0
AA00208700	First Coat Paint walls & ceilings	5	5	06MAY11	12MAY11	0
AA00208710	First Coat Paint walls & ceilings	4	4	06MAY11	12MAY11	0
AA00208720	Install Sinks/Counter tops	2	2	11MAY11	12MAY11	0
AA00208730	Install Doors/Hardware	2	2	13MAY11	16MAY11	0
AA00208740	Ceiling Grid	2	2	13MAY11	16MAY11	0
AA00208750	Toilet Partition/Doors	2	2	13MAY11	16MAY11	0
AA00208760	Install Doors/Hardware	5	5	13MAY11	19MAY11	0
AA00208770	Install Doors/Hardware	5	5	13MAY11	19MAY11	0
AA00208780	Install Doors/Hardware	5	5	13MAY11	19MAY11	0
AA00208790	Set Elec/Mech Fixtures & Trim	1	1	17MAY11	17MAY11	0
AA00208800	Final Coat Paint	3	3	17MAY11	19MAY11	0
AA00208810	Wood Trim	1	1	18MAY11	18MAY11	0
AA00208820	Milwork	2	2	19MAY11	20MAY11	0
AA00208830	Install Flooring	3	3	20MAY11	24MAY11	0
AA00208840	Ceiling Grid	5	5	20MAY11	26MAY11	0
AA00208850	Ceiling Grid	5	5	20MAY11	26MAY11	0
AA00208860	Install Lights	1	1	23MAY11	23MAY11	0
AA00208870	Set Plumbing Fixtures	1	1	24MAY11	24MAY11	0
AA00208880	Install Counter Tops	2	2	25MAY11	26MAY11	0
AA00208890	Accessories & Specialty Items	1	1	27MAY11	27MAY11	0
AA00208900	Set Elec/Mech Fixtures & Trim	2	2	27MAY11	30MAY11	0
AA00208910	Set Elec/Mech Fixtures & Trim	2	2	27MAY11	30MAY11	0
AA00208920	Set Elec/Mech Fixtures & Trim	2	2	27MAY11	30MAY11	0
AA00208930	Final Coat Paint	2	2	30MAY11	31MAY11	0
AA00208940	Wood Trim	2	2	31MAY11	01JUN11	0
AA00208950	Wood Trim	2	2	31MAY11	01JUN11	0
AA00208960	Wood Trim	2	2	31MAY11	01JUN11	0
AA00208970	Install Flooring/Carpet	2	2	01JUN11	02JUN11	0
AA00208980	Milwork	5	5	02JUN11	08JUN11	0
AA00208990	Milwork	5	5	02JUN11	08JUN11	0
AA00209000	Milwork	5	5	02JUN11	08JUN11	0
AA00209010	Install Lights	3	3	08JUN11	13JUN11	0
AA00209020	Install Lights	3	3	08JUN11	13JUN11	0
AA00209030	Install Lights	3	3	08JUN11	13JUN11	0
AA00209040	Set Plumbing Fixtures	3	3	14JUN11	16JUN11	0
AA00209050	Set Plumbing Fixtures	3	3	14JUN11	16JUN11	0

2010 2011 2012

M J J A S O N D J F M A M J J A S O N D J F M A M J

Early bar

Progress bar

Critical bar

Summary bar

Start milestone point

Finish milestone point

Start date 26APR10

Finish date 06JUN12

Data date 20DEC10

Run date 20DEC10

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Act ID	Description	Orig Dur	Rem Dur	Early Start	Early Finish	%
AA00209030	Owner/AE Walk thru and Punch List	1	1	25JUL11	25JUL11	0
AA00209040	Work off Punch list	5	5	01AUG11	01AUG11	0
AA00209050	Back check Punch list	1	1	02AUG11	02AUG11	0
AA00209060	Acceptance Review	1	1	03AUG11	03AUG11	0
LOWER LEVEL						
AA00109010	Turner work to complete list	2	2	27JUN11	28JUN11	0
AA00109020	Completion of work to complete list	5	5	29JUN11	06JUL11	0
AA00109030	Owner/AE Walk thru and Punch List	1	1	07JUL11	07JUL11	0
AA00109040	Work off Punch list	5	5	08JUL11	14JUL11	0
AA00109050	Back check Punch list	1	1	15JUL11	15JUL11	0
AA00109060	Acceptance Review	1	1	18JUL11	18JUL11	0
BUILDING C						
LEVEL 1						
AC00209000	Turner work to complete list	2	2	23MAY11	24MAY11	0
AC00209010	Completion of work to complete list	5	5	25MAY11	31MAY11	0
AC00209020	Owner/AE Walk thru and Punch List	1	1	01JUN11	01JUN11	0
AC00209030	Work off Punch list	5	5	02JUN11	08JUN11	0
AC00209040	Back check Punch list	1	1	08JUN11	08JUN11	0
AC00209050	Acceptance Review	1	1	10JUN11	10JUN11	0
LOWER LEVEL						
AC00109000	Turner work to complete list	2	2	07JUN11	08JUN11	0
AC00109010	Completion of work to complete list	5	5	08JUN11	15JUN11	0
AC00109020	Owner/AE Walk thru and Punch List	1	1	16JUN11	16JUN11	0
AC00109030	Work off Punch list	5	5	17JUN11	23JUN11	0
AC00109040	Back check Punch list	1	1	24JUN11	24JUN11	0
AC00109050	Acceptance Review	1	1	27JUN11	27JUN11	0
BUILDING D						
LEVEL 1						
AD00209000	Turner work to complete list	2	2	18JUL11	18JUL11	0
AD00209010	Completion of work to complete list	5	5	20JUL11	26JUL11	0
AD00209020	Owner/AE Walk thru and Punch List	1	1	27JUL11	27JUL11	0
AD00209030	Work off Punch list	5	5	28JUL11	03AUG11	0
AD00209040	Back check Punch list	1	1	04AUG11	04AUG11	0
AD00209050	Acceptance Review	1	1	05AUG11	05AUG11	0
LOWER LEVEL						
AD00109000	Turner work to complete list	2	2	13JUL11	14JUL11	0
AD00109010	Completion of work to complete list	5	5	15JUL11	21JUL11	0
AD00109020	Owner/AE Walk thru and Punch List	1	1	22JUL11	22JUL11	0
AD00109030	Work off Punch list	5	5	25JUL11	29JUL11	0
AD00109040	Back check Punch list	1	1	01AUG11	01AUG11	0
AD00109050	Acceptance Review	1	1	02AUG11	02AUG11	0
BUILDING B						
LEVEL 1						
AB00209000	Turner work to complete list	2	2	14JUL11	15JUL11	0
AB00209010	Completion of work to complete list	5	5	18JUL11	22JUL11	0
AB00209020	Owner/AE Walk thru and Punch List	1	1	25JUL11	25JUL11	0
AB00209030	Work off Punch list	5	5	26JUL11	01AUG11	0
AB00209040	Back check Punch list	1	1	02AUG11	02AUG11	0
AB00209050	Acceptance Review	1	1	03AUG11	03AUG11	0

Start date 26APR10
 Finish date 06JUN12
 Data date 20DEC10
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Early bar
 Progress bar
 Critical bar
 Summary bar
 Start milestone point
 Finish milestone point

Act ID	Description	Orig Dur	Rem Dur	Early Start	Early Finish	%
LOWER LEVEL						
AB00109000	Turner work to complete list	2	2	28JUN11	30JUN11	0
AB00109010	Completion of work to complete list	5	5	01JUL11	08JUL11	0
AB00109020	Owner/AE Walk thru and Punch List	1	1	11JUL11	11JUL11	0
AB00109030	Work off Punch list	5	5	12JUL11	18JUL11	0
AB00109040	Back check Punch list	1	1	18JUL11	19JUL11	0
AB00109050	Acceptance Review	1	1	20JUL11	20JUL11	0
MOVE-IN						
Owner Move-In						
PROJECT WIDE						
PW00W0000C	Owner Move	65	65	08AUG11	07NOV11	0
RENOVATION						
DEMOLITION						
BUILDING A						
LEVEL 3						
RA00DM07200	Demolition Area A - Level 3	7	7	08NOV11	16NOV11	0
LEVEL 2						
RA00DM07100	Demolition Area A - Level 2	7	7	17NOV11	25NOV11	0
LEVEL 1						
RA00DM07000	Demolition Area A - Level 1	7	7	28NOV11	06DEC11	0
BUILDING C						
LEVEL 3						
RC00DM07200	Demolition Area C - Level 3	7	7	28NOV11	06DEC11	0
LEVEL 2						
RC00DM07100	Demolition Area C - Level 2	7	7	07DEC11	15DEC11	0
LEVEL 1						
RC00DM07000	Demolition Area C - Level 1	7	7	16DEC11	26DEC11	0
BUILDING D						
LEVEL 3						
RD00DM07200	Demolition Area D - Level 3	7	7	07DEC11	15DEC11	0
LEVEL 2						
RD00DM07100	Demolition Area D - Level 2	7	7	16DEC11	26DEC11	0
LEVEL 1						
RD00DM07000	Demolition Area D - Level 1	7	7	27DEC11	04JAN12	0
BUILDING B						
LEVEL 3						
RB00DM07200	Demolition Area B - Level 3	7	7	17NOV11	25NOV11	0
LEVEL 2						
RB00DM07100	Demolition Area B - Level 2	7	7	28NOV11	06DEC11	0
LEVEL 1						
RB00DM07000	Demolition Area B - Level 1	7	7	07DEC11	15DEC11	0
INTERIOR FRAMING & ROUGH-IN						
BUILDING A						
LEVEL 3						
RA00307010	Drywall - One Side	8	8	17NOV11	28NOV11	0
RA00307020	MEP Rough In	15	15	24NOV11	14DEC11	0
RA00307030	Floor Cores	4	4	09DEC11	14DEC11	0
RA00307050	2nd side GWB	8	8	15DEC11	26DEC11	0

2010: M J J A S O N D J J F M A M J J A S O N D J J F M A M J

2011: M J J A S O N D J J F M A M J J A S O N D J J F M A M J

2012: M J J A S O N D J J F M A M J

Early bar
 Progress bar
 Critical bar
 Summary bar
 Start milestone point
 Finish milestone point

Start date: 26APR10

Finish date: 06JUN12

Data date: 20DEC10

Run date: 20DEC10

Page number: 21A

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