

# Monthly Report

## McKinney Aquatics & Fitness Center

McKinney, Texas

Issued Date: 04/21/2016



*The only thing better than recognizing a quality product is building one.*

# **Monthly Report**

## **McKinney Aquatics & Fitness Center**

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# CONSTRUCTION STATUS

## **April 21, 2016 – Construction Status**

### **Site Work & Utilities**

- Completed Phase 2 site parking paving
- Removal of the stock pile of soil material at the southernmost area of the site is ongoing.

### **Landscape & Hardscape**

- Sidewalk concrete has been placed in multiple locations
- Coordination of landscaping and site wall work is ongoing with a focus to being construction as soon as possible

### **Concrete & CMU**

- Interior CMU walls are complete
- Coordination is ongoing to drill and pour the slide piers issued in PR15
- Coordination is ongoing to place light pole and shade structure foundations at the outdoor pool area. Coordination with PR20 is ongoing. Once complete this work will start

### **Steel Erection**

- Detail work to complete the steel work at Area B is ongoing
- The contractor is in the process of completing the detail work at the Natatorium Trusses.
- Miscellaneous steel construction is ongoing

### **Building Envelope**

- Exterior metal framing, sheathing, and waterproofing is ongoing
- Masonry work is complete at the west elevation and ongoing at the south and east elevations

### **Doors/Frames/Hardware**

- Hollow Metal frames have been delivered and are being installed at CMU walls

### **Drywall Partitions and Ceilings**

- Interior wall framing has started. Gypsum products are not being install at this time

### **Interior Finishes**

- Preparation for tile work has started at the lower level showers

### **Elevators**

- The CMU elevator shaft walls are complete

### **Pools**

- The Outdoor Leisure Pool bottom, walls and beach entry have been placed

### **Mechanical / Plumbing / Fire Protection**

- Mechanical and plumbing sleeves are being installed in the CMU walls
- Plumbing carriers are being set and piping installation is ongoing
- The mechanical equipment and ductwork is being installed

### **Electrical / Lighting Control / Fire Alarm**

- Electrical raceways and boxes are being installed in CMU walls
- Preparation for permanent power is ongoing

### **Audio Visual / Tele/Data / Security**

- Installation of rough in boxes and conduit for low voltage work is ongoing



# DESIGN & OWNER COORDINATION ITEMS

## **April 21, 2016 - Design & Owner Coordination Items**

### **Site Work & Utilities**

- Radius trench drains at Outdoor Pool (pending RFI 143)
- AV design at Outdoor Pool (pending RFI 144)
- Final coordination and approval of PR 15
- Final coordination and approval of PR 20

### **Landscape & Hardscape**

- NA

### **Concrete & CMU**

- NA

### **Steel Erection**

- NA

### **Building Envelope**

- Construction and review of exterior mock is ongoing – Sealant Colors

### **Doors/Frames/Hardware**

- A keying meeting will be held with the Owner to finalize keying for the project

### **Drywall Partitions and Ceilings**

- NA

### **Interior Finishes**

- Interior finish samples are being submitted for review/approval by the Owner and Design Team
- Final decisions on the feature art wall and partition covering are in process – Pending PR

### **Elevators**

- NA

### **Pools**

- Final coordination and approval of PR 15
- Final coordination and approval of PR 20

### **Mechanical / Plumbing / Fire Protection**

- NA

### **Electrical / Lighting Control / Fire Alarm**

- NA

### **Audio Visual / Tele/Data / Security**

- Final coordination and approval of PR 20
- A coordination meeting with the City and the AV Consultant was held to confirm the current AV design. An additional meeting will take place once the AV Subcontractor has completed their submittals for final review.
- A coordination meeting with the City's IT Department and Design Team was held to confirm the security scope of work. A future PR is planned to capture the results of the meeting. This design is needed as soon as available to allow for proper construction coordination.



# SUBCONTRACTOR STATUS LOG

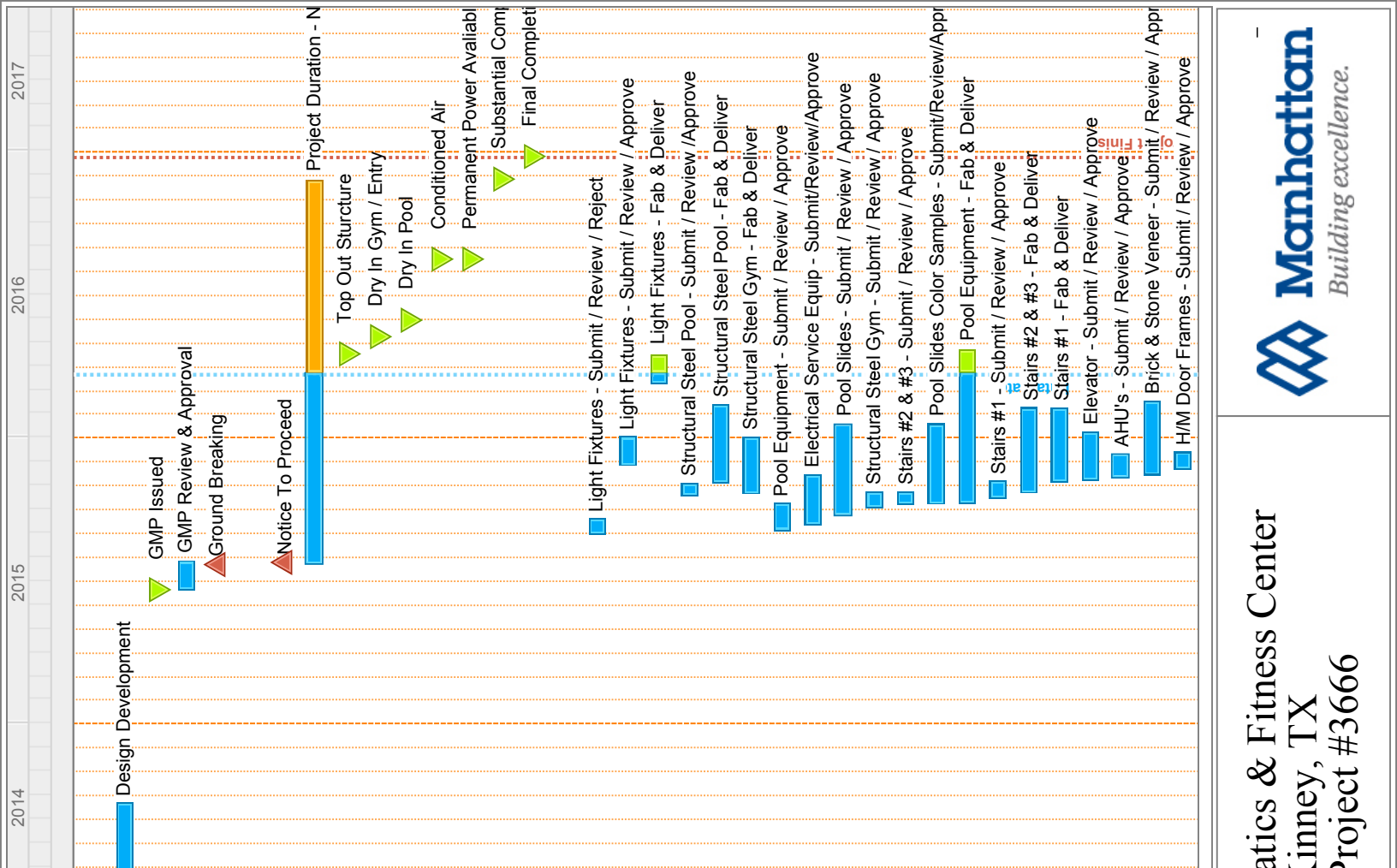
### McKinney Aquatics & Fitness Center - Contractor Award Log

Bid Package:	Scope of Work:	Awarded Contractor:	Award Notice:
2	Concrete	Kent Companies	1
3	Masonry	Skinner Masonry	3
4	Steel	Basden Steel	2
5	Specialty Metals	Viva Railings, LLC	3
6	Structural Carpentry	RM Rodgers, Inc.	4
7	Finish Carpentry	Lundy Services, LLC	2
8	Waterproofing	Chamberlin Waterproofing	3
9	Metal Louvers	OGI Architectural Metal	3
10	Roofing	Paragon Roofing	3
11	Spray Fireproofing	NA	NA
12	Doors & Hardware	Performance Door and Hardware	3
13	Overhead Doors	Overhead Door Co. of Dallas	3
14	Glass	DGB Glass, Inc.	2
15	Plaster & Stucco	NA	NA
16	Drywall	Drywall Interiors, LP	2
17	Tile	Alamo Tile & Stone	3
18	Wood Floor	Ponder Company, Inc.	3
19	Carpet & Resilient Flooring	Fabulous Floors, Inc.	3
20	Painting	Carrco Painting	3
21	Misc. Specialties	Spectrum Resources, LTD	4
22	Signs	ASI Signage Inovations	4
23	Lockers	Hollman, Inc.	4
24	Site Furnishings	InPro Fabrications	4
25	Folding Operable Partitions	Modernfold, Inc.	3
26	Appliances	PIRCH, Inc.	4
27	Athletic Equipment	John F. Clark Company	3
28	Window Treatments	AEC Corporation	3
29	Aquatic Pools, Slides & Equipment	Sunbelt Pools	1
30	Elevators	Thyssen Krupp Elevator Systems	2
31	Fire Sprinkler	Fire-Tech Protection Systems	2
32	Mechanical Plumbing & HVAC	Humphrey & Associates	1
33	Electrical	Petri Electric	1
34	Tele Data Comm	Lantek Communications	4
35	Security / CCTV	Securadyne Systems	3
36	Audio Visual	AVI/SPL	4
37	Earthwork	RPMx Construction, LLC	1
38	Pavement Markings	Stripe A Zone, Inc.	4
39	Fences & Gates	The Anchor Group, Inc.	4
40	Modular Retaining Wall	Texas - ERW Site Solutions	4
41	Landscape & Irrigation	SOI Group, Inc.	5
43	Site Utilities	Maverick Utility Construction, Inc.	1





# SCHEDULE SUMMARY



ID	Description	Orig Dur	Rem Dur	Start	Finish
<b>Pre-Construction</b>					
M1070	Design Development	60	0	06/19/14A	09/17/14A
M1390	GMP Issued	0	0		06/17/15A
M1391	GMP Review & Approval	12	0	06/18/15A	07/23/15A
M1392	Ground Breaking	0	0	07/20/15A	

<b>Project Notes &amp; Milestones</b>					
NTP	Notice To Proceed	0	0	07/23/15A	
CONDUR	Project Duration - NTP To Substantial (Cal Days)	489	247	07/23/15A	11/22/16
M1430	Top Out Structure	0	0		04/13/16
M1580	Dry In Gym / Entry	0	0		05/05/16
M1680	Dry In Pool	0	0		05/26/16
M1780	Conditioned Air	0	0		08/12/16
M1880	Permanent Power Available	0	0		08/12/16
M1360	Substantial Completion	0	0		11/22/16
M1380	Final Completion	0	0		12/21/16

<b>Submittals &amp; Procurement</b>					
P-1600	Light Fixtures - Submit / Review / Reject	15	0	08/28/15A	09/15/15A
P-1620	Light Fixtures - Submit / Review / Approve	15	0	11/24/15A	12/29/15A
P-1650	Light Fixtures - Fab & Deliver	50	20	03/07/16A	04/15/16
P-1100	Structural Steel Pool - Submit / Review / Approve	15	0	10/16/15A	10/30/15A
P-1150	Structural Steel Pool - Fab & Deliver	30	0	11/02/15A	02/08/16A
P-1050	Structural Steel Gym - Fab & Deliver	30	0	10/19/15A	12/28/15A
P-1300	Pool Equipment - Submit / Review / Approve	15	0	09/02/15A	10/05/15A
P-2200	Electrical Service Equip - Submit/Review/Approve	15	0	09/09/15A	11/10/15A
P-1900	Pool Slides - Submit / Review / Approve	15	0	09/23/15A	01/14/16A
P-1000	Structural Steel Gym - Submit / Review / Approve	15	0	10/01/15A	10/19/15A
P-1700	Stairs #2 & #3 - Submit / Review / Approve	15	0	10/05/15A	10/19/15A
P-2500	Pool Slides Color Samples - Submit/Review/Approve	15	0	10/06/15A	01/14/16A
P-1350	Pool Equipment - Fab & Deliver	60	22	10/06/15A	04/19/16
P-2400	Stairs #1 - Submit / Review / Approve	15	0	10/13/15A	11/02/15A
P-1750	Stairs #2 & #3 - Fab & Deliver	30	0	10/20/15A	02/04/16A
P-2450	Stairs #1 - Fab & Deliver	30	0	11/03/15A	02/04/16A
P-1500	Elevator - Submit / Review / Approve	15	0	11/05/15A	01/04/16A
P-1400	AHU's - Submit / Review / Approve	15	0	11/10/15A	12/07/15A
P-2100	Brick & Stone Veneer - Submit / Review / Approve	15	0	11/12/15A	02/12/16A
P-2300	H/M Door Frames - Submit / Review / Approve	15	0	11/19/15A	12/09/15A

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# McKinney Aquatics & Fitness Center

## McKinney, TX

### MCC Project #3666





2014 2015 2016 2017

ID	Description	Orig Dur	Rem Dur	Start	Finish
P-1950	Pool Slides - Fab & Deliver	60	35	11/23/15A	05/06/16
P-1800	Gym Flooring - Submit / Review / Approve	15	0	12/10/15A	01/05/16A
P-2350	H/M Door Frames - Fab & Deliver	20	0	12/11/15A	02/08/16A
P-1450	AHU's - Fab & Deliver	60	36	12/14/15A	05/09/16
P-1200	Curtainwall - Submit / Review / Approve	15	0	12/29/15A	01/08/16A
P-1210	Interior Storefront - Submit / Review / Approve	15	0	01/07/16A	02/02/16A
P-2000	Operable Partitions - Submit / Review / Approve	15	0	01/13/16A	02/08/16A
P-1220	Interior Storefront - Fab & Deliver	30	7	02/03/16A	03/29/16
P-1250	Curtainwall - Fab & Deliver	70	11	02/03/16A	04/04/16
M1610	Brick & Stone Veneer - Fab & Deliver	40	20	02/15/16A	04/15/16
P-2250	Electrical Service Equipment - Fab & Deliver	30	40	02/22/16A	05/13/16
P-1850	Gym Flooring - Fab & Deliver	30	7	03/21/16	03/29/16
P-2050	Operable Partitions - Fab & Deliver	30	26	03/21/16	04/25/16
P-1550	Elevator - Fab & Deliver	112	108	03/21/16	08/19/16
<b>Mobilization</b>					
M100	Mobilization & Trailer Setup	5	0	08/10/15A	08/14/15A
M110	Temp Utilities & Fencing	5	0	08/17/15A	08/21/15A
M120	Install SWPPP	10	0	08/17/15A	08/21/15A
<b>Foundation</b>					
<b>Level 1</b>					
<b>Sitework</b>					
M1850	FRP Grade Beam @ Entry Wall	5	0	11/30/15A	12/08/15A
M1860	FRP Wall @ Entry	5	0	12/08/15A	12/15/15A
M1790	FRP Grade Beams @ Service Yard	5	0	12/31/15A	01/05/16A
M1840	FRP Wall @ Service Yard	5	0	01/04/16A	01/12/16A
M2390	FRP Service Yard SOG	5	0	02/16/16A	03/10/16A
<b>Pool Area</b>					
M1000	Excavate to Subgrade	10	0	08/24/15A	09/10/15A
M1010	Drilled Piers (37)	7	0	09/14/15A	09/18/15A
M1021	Excavate Pool & Pits	5	0	09/21/15A	09/30/15A
M1020	FRP Pier Caps & Grade Beams	12	0	09/23/15A	10/15/15A
M1030	FRP Pump Pit & Backfill	2	0	09/28/15A	10/01/15A
M1060	Misc. MEP Underground Pit	5	0	09/30/15A	10/12/15A
M1031	FRP Pool Pit Slab on Grade	2	0	10/05/15A	10/13/15A
M1055	Waterproofing	2	0	10/12/15A	10/12/15A
M1040	Competition Pool Structure Complete	35	0	10/12/15A	12/10/15A

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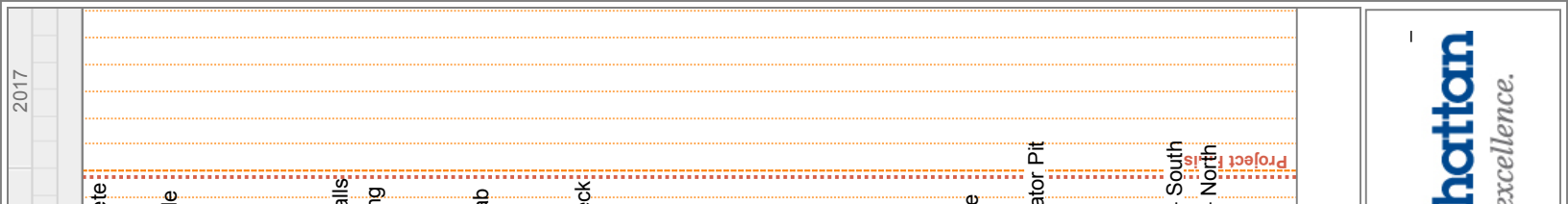
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## McKinney, TX

### MCC Project #3666



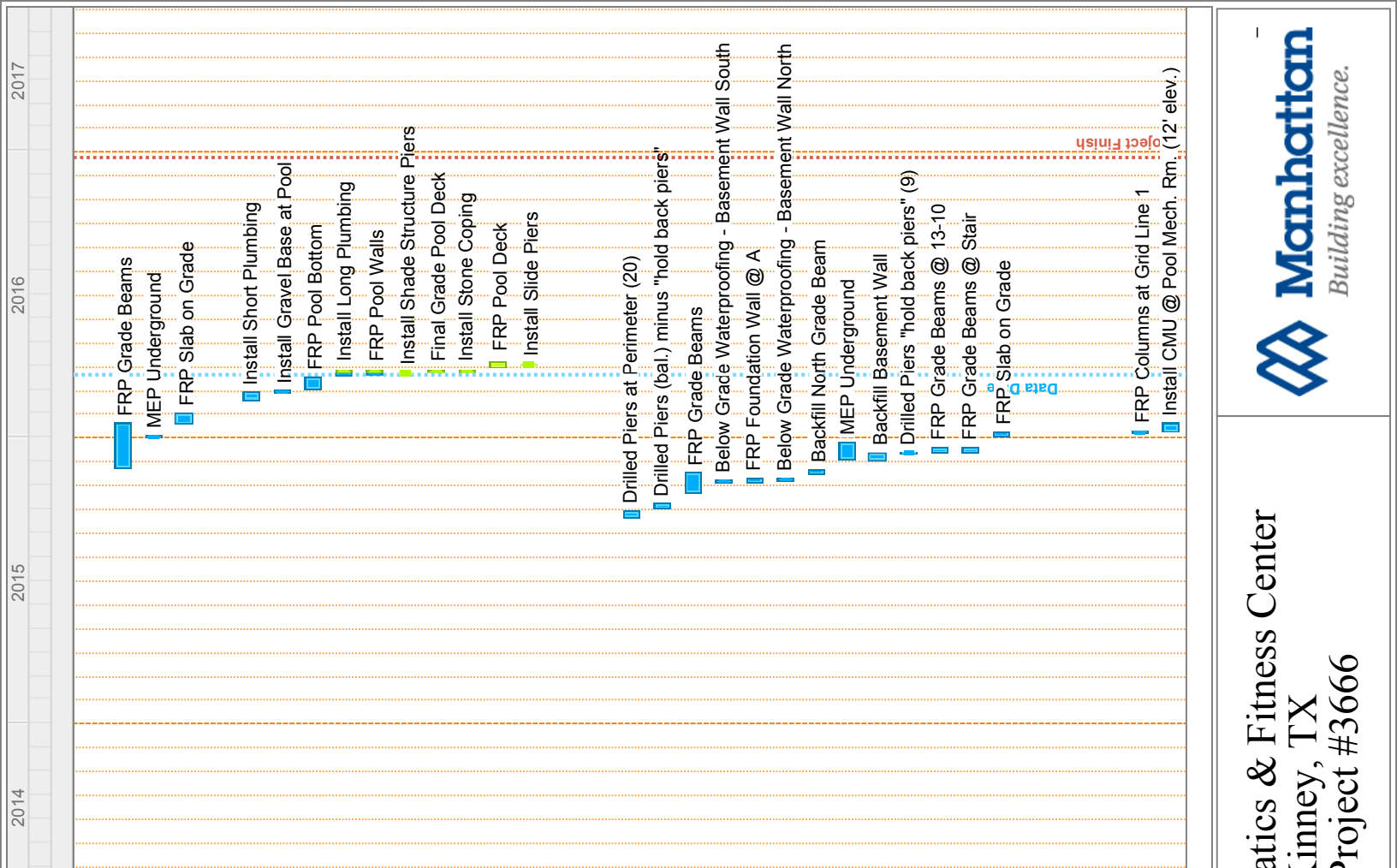
ID	Description	Orig Dur	Rem Dur	Start	Finish
M1240	Leisure Pool Structure Complete	47	0	10/12/15A	12/21/15A
M1035	Pool Mech. Rm. Piping	5	0	10/14/15A	10/21/15A
M1036	FRP Pool Mech. Rm. Slab on Grade	5	0	10/21/15A	11/04/15A
M1050	Pour Competition Pool Walls	1	0	12/10/15A	12/10/15A
M1090	Strip Competition Pool Walls	2	0	12/14/15A	12/23/15A
M1170	Pour Leisure Pool Walls	1	0	12/15/15A	12/15/15A
M1180	Strip Leisure Pool Walls	3	0	12/16/15A	12/18/15A
M1160	Backfill Competition Pool Walls	5	0	12/21/15A	01/19/16A
M1150	Install Competition Pool Piping	5	0	12/24/15A	01/08/16A
M1190	Install Leisure Pool Piping	5	0	01/04/16A	01/19/16A
M1200	Backfill Leisure Pool Walls	5	0	01/04/16A	01/20/16A
M2280	FRP Thickened Trench Slab	5	0	01/20/16A	01/29/16A
M2320	Grade at Pool SOG	4	0	01/22/16A	02/08/16A
M2290	Install Trench Drain	5	0	01/27/16A	02/10/16A
M2340	FRP Competition Pool Deck	5	0	02/01/16A	02/09/16A
M2345	FRP Leisure Pool Deck	5	0	02/01/16A	02/12/16A
<b>Entry Area</b>					
M1080	Excavate to Subgrade	10	0	08/24/15A	09/04/15A
M1100	Drilled Piers (basement ret. wall)	3	0	09/16/15A	09/18/15A
M1101	Drilled Piers (Bal.)	3	0	09/16/15A	09/18/15A
M1110	MEP Underground	5	0	10/01/15A	10/07/15A
M1105	FRP Pier Caps & Grade Beams	5	0	10/01/15A	10/15/15A
M1120	FRP Elevator Pit	2	0	10/20/15A	10/22/15A
M1141	FRP Basement Wall - North	5	0	10/21/15A	10/29/15A
M1340	FRP Pier Cap @ AH-6	1	0	10/22/15A	10/28/15A
M1121	FRP Elevator Pit Slab on Grade	2	0	10/22/15A	12/17/15A
M1270	Strip Wall - South	2	0	10/23/15A	10/27/15A
M1131	Below Grade Waterproofing - Elevator Pit	1	0	11/02/15A	11/06/15A
M1151	Backfill Elevator Pit	1	0	11/03/15A	11/05/15A
M1310	Strip Wall - North	1	0	11/03/15A	11/05/15A
M1370	FRP Grade Beam 5-6	3	0	11/09/15A	11/13/15A
M1140	Elec. Rough-in @ Slab on Grade - South	2	0	11/12/15A	11/13/15A
M1540	Elec. Rough-in @ Slab on Grade - North	2	0	11/13/15A	11/13/15A
M1130	FRP Slab on Grade - North	4	0	11/23/15A	11/25/15A
M1590	Install Shoring	2	0	11/30/15A	12/02/15A



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# McKinney Aquatics & Fitness Center McKinney, TX MCC Project #3666





ID	Description	Orig Dur	Rem Dur	Start	Finish
<b>Bath House</b>					
M1550	FRP Grade Beams	4	0	11/20/15A	01/15/16A
M1560	MEP Underground	2	0	12/29/15A	12/30/15A
M1570	FRP Slab on Grade	3	0	01/18/16A	01/28/16A
<b>Outdoor Pool Area</b>					
M2325	Install Short Plumbing	8	0	02/15/16A	02/24/16A
M2327	Install Gravel Base at Pool	5	0	02/24/16A	02/26/16A
M2328	FRP Pool Bottom	5	0	02/29/16A	03/14/16A
M2331	Install Long Plumbing	4	4	03/17/16A	03/24/16
M2329	FRP Pool Walls	5	4	03/18/16A	03/24/16
M2338	Install Shade Structure Piers	1	1	03/21/16	03/21/16
M2332	Final Grade Pool Deck	4	4	03/21/16	03/24/16
M2335	Install Stone Coping	5	5	03/21/16	03/25/16
M2333	FRP Pool Deck	8	8	03/28/16	04/06/16
M2337	Install Slide Piers	1	1	04/01/16	04/01/16
<b>Level 2</b>					
<b>Gym Area</b>					
M1195	Drilled Piers at Perimeter (20)	4	0	09/18/15A	09/25/15A
M1205	Drilled Piers (bal.) minus "hold back piers"	2	0	09/30/15A	10/05/15A
M1220	FRP Grade Beams	7	0	10/19/15A	11/13/15A
M1225	Below Grade Waterproofing - Basement Wall South	2	0	11/02/15A	11/04/15A
M1245	FRP Foundation Wall @ A	4	0	11/02/15A	11/06/15A
M1235	Below Grade Waterproofing - Basement Wall North	2	0	11/04/15A	11/06/15A
M1230	Backfill North Grade Beam	2	0	11/13/15A	11/17/15A
M1210	MEP Underground	5	0	12/01/15A	12/21/15A
M1226	Backfill Basement Wall	3	0	12/02/15A	12/08/15A
M1206	Drilled Piers "hold back piers" (9)	2	0	12/09/15A	12/09/15A
M1216	FRP Grade Beams @ 13-10	4	0	12/10/15A	12/15/15A
M1236	FRP Grade Beams @ Stair	4	0	12/10/15A	12/15/15A
M1250	FRP Slab on Grade	5	0	12/31/15A	01/04/16A
<b>Building Structure</b>					
<b>Level 1</b>					
<b>Pool Area</b>					
M1259	FRP Columns at Grid Line 1	2	0	01/04/16A	01/05/16A
M1280	Install CMU @ Pool Mech. Rm. (12' elev.)	5	0	01/06/16A	01/15/16A

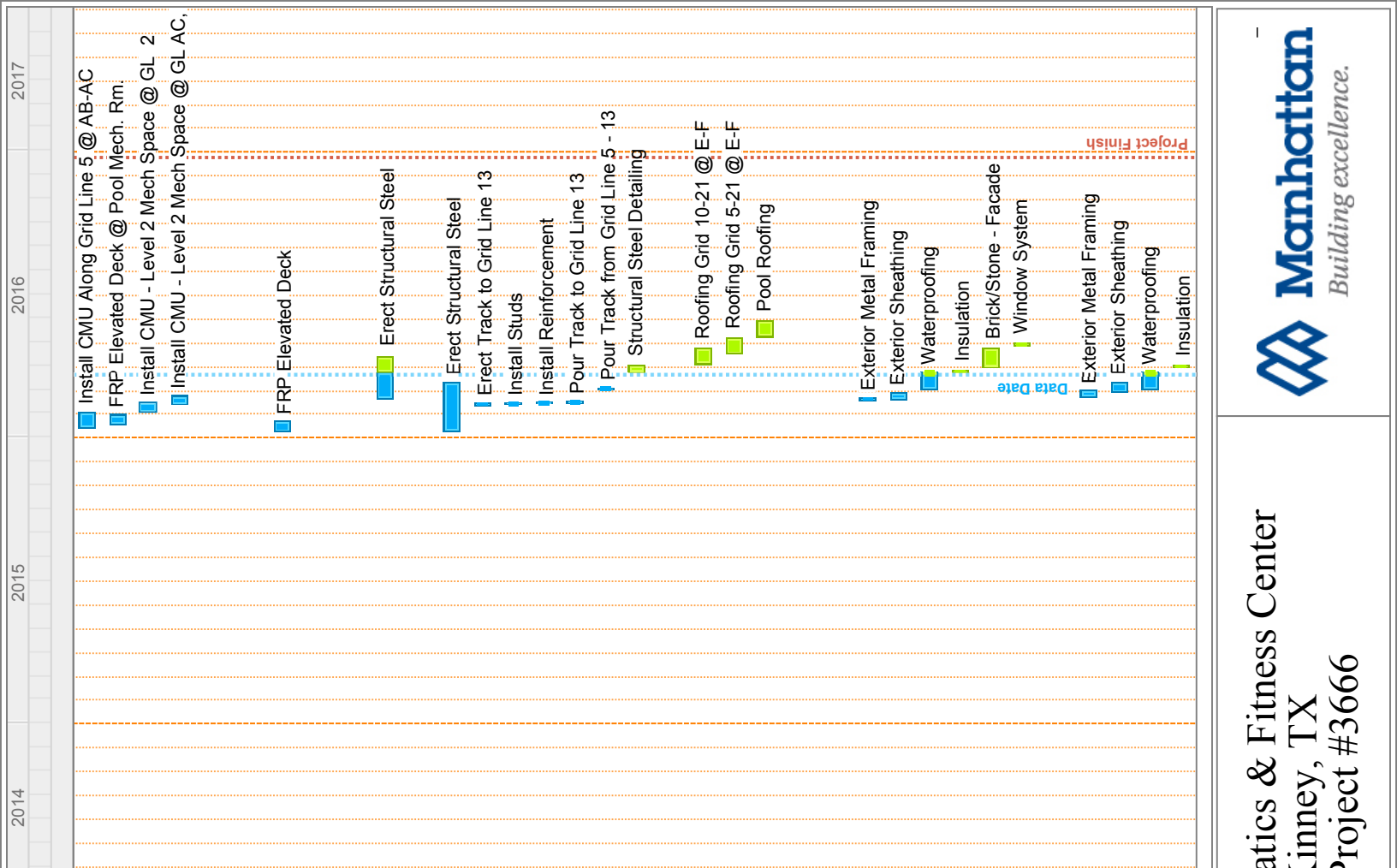
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# McKinney Aquatics & Fitness Center

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### MCC Project #3666





ID	Description	Orig Dur	Rem Dur	Start	Finish
M1260	Install CMU Along Grid Line 5 @ AB-AC	10	0	01/11/16A	01/29/16A
M1285	FRP Elevated Deck @ Pool Mech. Rm.	5	0	01/15/16A	01/26/16A
M1290	Install CMU - Level 2 Mech Space @ GL 2	7	0	02/02/16A	02/11/16A
M1292	Install CMU - Level 2 Mech Space @ GL AC, AG & :	7	0	02/10/16A	02/19/16A
<b>Level 2</b>					
<b>Entry Area</b>					
M1295	FRP Elevated Deck	8	0	01/06/16A	01/18/16A
<b>Level 3</b>					
<b>Pool Area</b>					
M1330	Erect Structural Steel	40	18	02/17/16A	04/13/16
<b>Gym Area</b>					
M1320	Erect Structural Steel	30	0	01/06/16A	03/07/16A
M1322	Erect Track to Grid Line 13	3	0	02/08/16A	02/10/16A
M1323	Install Studs	1	0	02/10/16A	02/10/16A
M1324	Install Reinforcement	1	0	02/11/16A	02/11/16A
M1327	Pour Track to Grid Line 13	1	0	02/12/16A	02/12/16A
M1328	Pour Track from Grid Line 5 - 13	1	0	02/29/16A	02/29/16A
M1321	Structural Steel Detailing	10	10	03/21/16	04/01/16
<b>Enclosure / Roofing</b>					
ERG-1000	Roofing Grid 10-21 @ E-F	15	15	04/01/16	04/21/16
ERG-2000	Roofing Grid 5-21 @ E-F	15	15	04/15/16	05/05/16
ERP-1000	Pool Roofing	15	15	05/06/16	05/26/16
<b>Exterior Facade</b>					
<b>South Elevation Level 2 Grid 10-21</b>					
FSL2-1000	Exterior Metal Framing	3	0	02/15/16A	02/17/16A
FSL2-1100	Exterior Sheathing	3	0	02/16/16A	02/23/16A
FSL2-1200	Waterproofing	8	1	02/29/16A	03/21/16
FSL2-1400	Insulation	5	5	03/21/16	03/25/16
FSL2-1500	Brick/Stone - Facade	20	20	03/28/16	04/22/16
FSL2-1300	Window System	5	5	04/25/16	04/29/16
<b>South Elevation Level 3 Grid 10-21</b>					
FSL3-1000	Exterior Metal Framing	3	0	02/19/16A	02/26/16A
FSL3-1100	Exterior Sheathing	3	0	02/25/16A	03/07/16A
FSL3-1200	Waterproofing	5	1	02/29/16A	03/21/16
FSL3-1400	Insulation	5	5	03/28/16	04/01/16

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## McKinney, TX

### MCC Project #3666



ID	Description	Orig Dur	Rem Dur	Start	Finish
FSL3-1500	Brick/Stone - Facade	20	20	04/01/16	04/28/16
FSL3-1300	Window System	5	5	04/29/16	05/05/16
<b>East Elevation Grid A-F</b>					
FE-1000	Exterior Metal Framing	5	0	02/25/16A	03/02/16A
FE-1100	Exterior Sheathing	3	0	03/01/16A	03/03/16A
FE-1200	Waterproofing	5	1	03/03/16A	03/21/16
FE-1400	Insulation	5	5	04/05/16	04/11/16
FE-1500	Brick/Stone - Facade	15	15	04/11/16	04/29/16
FE-1300	Window System / Curtainwall	5	5	05/02/16	05/06/16
<b>North Elevation Grid 20-13</b>					
FN-1000	Exterior Metal Framing	5	0	03/04/16A	03/10/16A
FN-1100	Exterior Sheathing	6	0	03/08/16A	03/14/16A
FN-1200	Waterproofing	2	2	03/21/16	03/22/16
FN-1400	Insulation	5	5	04/11/16	04/15/16
FN-1500	Brick/Stone - Facade	20	20	04/18/16	05/13/16
FN-1300	Window System / Curtainwall	5	5	05/16/16	05/20/16
<b>North Elevation Grid 13-7</b>					
FN-2000	Exterior Metal Framing	5	0	03/14/16A	03/18/16A
FN-2100	Exterior Sheathing	5	0	03/17/16A	03/22/16
FN-2200	Waterproofing	5	5	03/21/16	03/25/16
FN-2400	Insulation	5	5	04/18/16	04/22/16
FN-2500	Brick/Stone - Facade	15	15	04/25/16	05/13/16
FN-2300	Window System / Curtainwall	5	5	05/16/16	05/20/16
<b>North Elevation Grid 7-5</b>					
FN-3000	Exterior Metal Framing	4	4	03/24/16	03/29/16
FN-3100	Exterior Sheathing	3	3	03/28/16	03/30/16
FN-3200	Waterproofing	3	3	03/30/16	04/01/16
FN-3400	Insulation	5	5	03/30/16	04/05/16
FN-3500	Brick/Stone - Facade	10	10	04/18/16	04/29/16
FN-3300	Window System / Curtainwall	5	5	05/02/16	05/06/16
<b>West Elevation AC.2 - AH.2</b>					
FW-1000	Exterior Metal Framing	4	4	03/31/16	04/05/16
FW-1100	Exterior Sheathing	4	4	04/04/16	04/07/16
FW-1200	Waterproofing	4	4	04/06/16	04/11/16
FW-1400	Insulation	4	4	04/08/16	04/13/16
FW-1500	Brick/Stone - Facade	10	10	04/18/16	04/29/16

Start Date: 06/19/14  
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# McKinney Aquatics & Fitness Center McKinney, TX MCC Project #3666



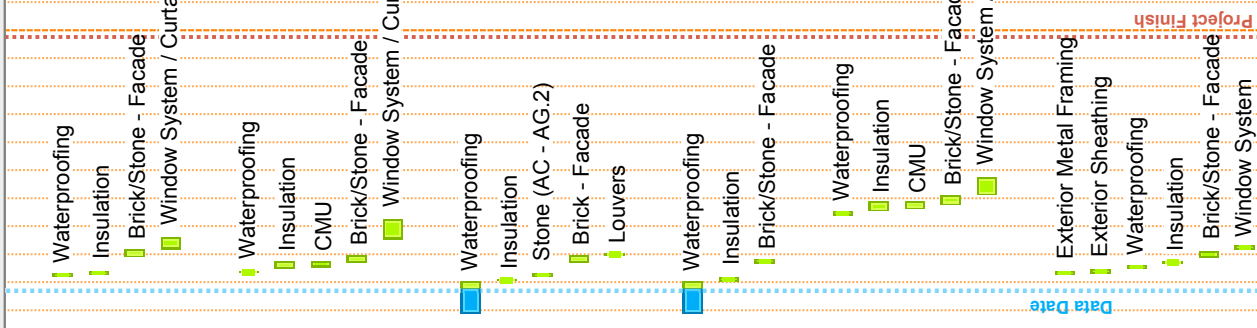
ID	Description	Orig Dur	Rem Dur	Start	Finish
<b>East Elevation AA-AC</b>					
FE-2200	Waterproofing	4	4	04/04/16	04/07/16
FE-2400	Insulation	4	4	04/06/16	04/11/16
FE-2500	Brick/Stone - Facade	7	7	04/26/16	05/04/16
FE-2300	Window System / Curtainwall	10	10	05/05/16	05/18/16
<b>North Elevation Grid 5-2 &amp; West AA-AB</b>					
FN-5200	Waterproofing	2	2	04/08/16	04/11/16
FN-5400	Insulation	7	7	04/12/16	04/20/16
FN-5600	CMU	5	5	04/14/16	04/20/16
FN-5500	Brick/Stone - Facade	7	7	04/19/16	04/27/16
FN-5300	Window System / Curtainwall	15	15	05/16/16	06/06/16
<b>West Elevation AB-AH Level 1</b>					
FW-2200	Waterproofing	2	8	02/23/16A	03/30/16
FW-2400	Insulation	2	2	03/31/16	04/01/16
FW-2410	Stone (AC - AG.2)	5	5	04/04/16	04/08/16
FW-2500	Brick - Facade	7	7	04/18/16	04/26/16
FW-2600	Louvers	2	2	04/27/16	04/28/16
<b>West Elevation AC.1-AG.2</b>					
FW-3200	Waterproofing	3	8	02/23/16A	03/30/16
FW-3400	Insulation	5	3	03/31/16	04/04/16
FW-3500	Brick/Stone - Facade	5	5	04/18/16	04/22/16
<b>South Elevation 2-5 &amp; West AH-AJ</b>					
FS-1200	Waterproofing	3	3	06/10/16	06/14/16
FS-1400	Insulation	7	7	06/15/16	06/23/16
FS-1600	CMU	5	5	06/17/16	06/23/16
FS-1500	Brick/Stone - Facade	7	7	06/22/16	06/30/16
FS-1300	Window System / Curtainwall	15	15	07/01/16	07/22/16
<b>South Elevation 5.1-5.9</b>					
FS-2000	Exterior Metal Framing	4	4	04/06/16	04/11/16
FS-2100	Exterior Sheathing	4	4	04/08/16	04/13/16
FS-2200	Waterproofing	4	4	04/12/16	04/15/16
FS-2400	Insulation	2	2	04/18/16	04/19/16
FS-2500	Brick/Stone - Facade	6	6	04/25/16	05/02/16
FS-2300	Window System	4	4	05/03/16	05/06/16

Start Date: 06/19/14  
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McKinney Aquatics & Fitness Center  
 McKinney, TX  
 MCC Project #3666

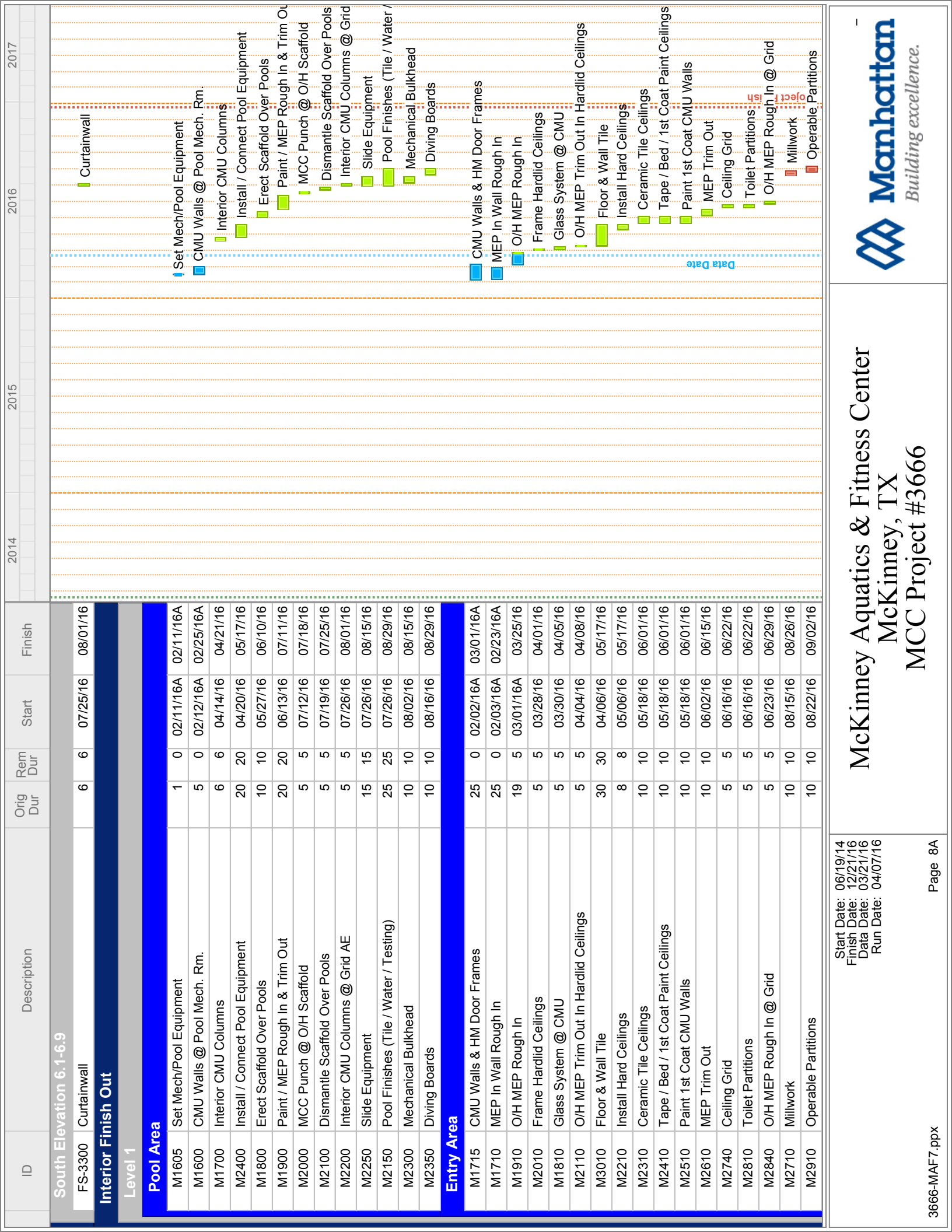


2017	2016	2015	2014
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Project Finish





2017  
2016  
2015  
2014

ID	Description	Orig Dur	Rem Dur	Start	Finish
<b>South Elevation 6.1-6.9</b>					
FS-3300	Curtainwall	6	6	07/25/16	08/01/16

**Interior Finish Out**  
**Level 1**

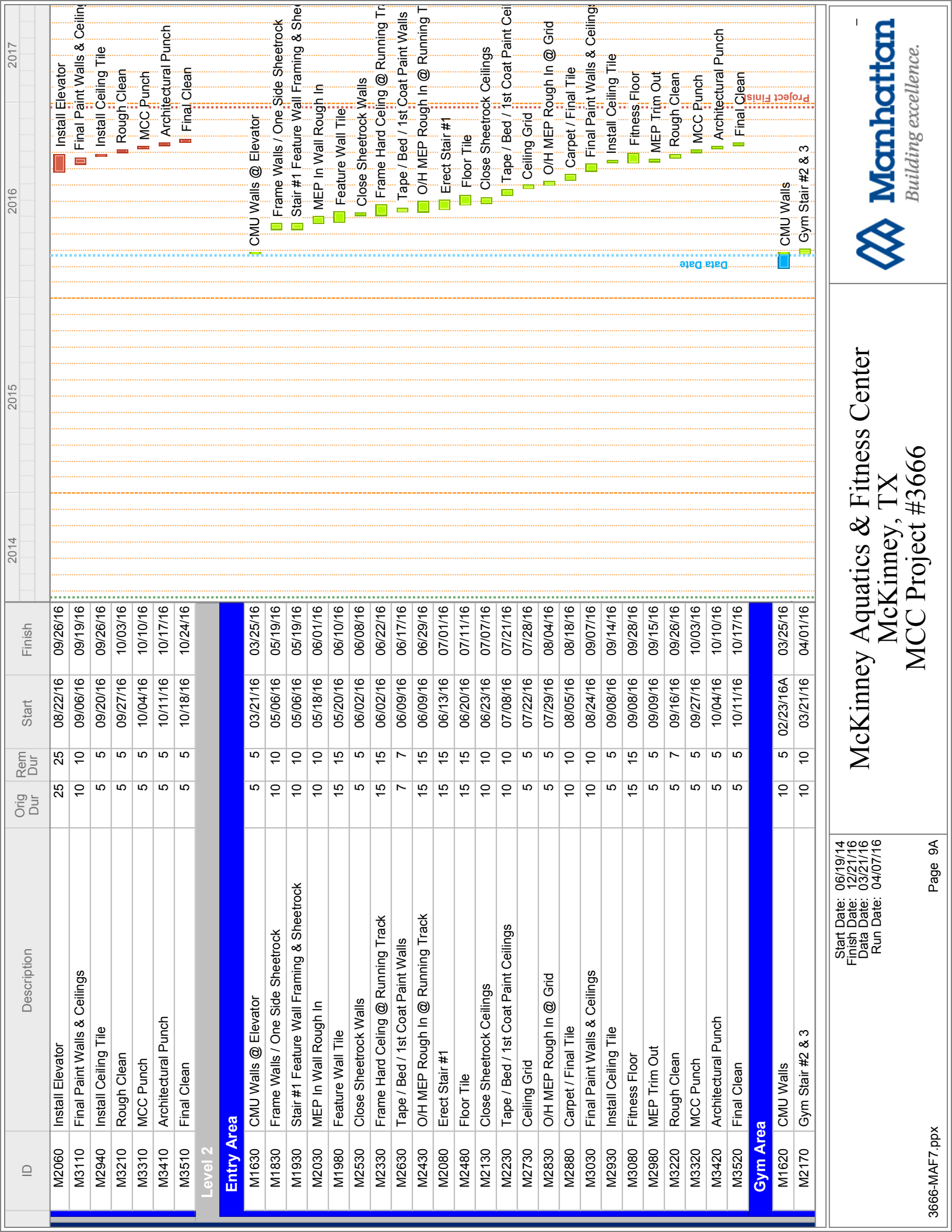
<b>Pool Area</b>					
ID	Description	Orig Dur	Rem Dur	Start	Finish
M1605	Set Mech/Pool Equipment	1	0	02/11/16A	02/11/16A
M1600	CMU Walls @ Pool Mech. Rm.	5	0	02/12/16A	02/25/16A
M1700	Interior CMU Columns	6	6	04/14/16	04/21/16
M2400	Install / Connect Pool Equipment	20	20	04/20/16	05/17/16
M1800	Erect Scaffold Over Pools	10	10	05/27/16	06/10/16
M1900	Paint / MEP Rough In & Trim Out	20	20	06/13/16	07/11/16
M2000	MCC Punch @ O/H Scaffold	5	5	07/12/16	07/18/16
M2100	Dismantle Scaffold Over Pools	5	5	07/19/16	07/25/16
M2200	Interior CMU Columns @ Grid AE	5	5	07/26/16	08/01/16
M2250	Slide Equipment	15	15	07/26/16	08/15/16
M2150	Pool Finishes (Tile / Water / Testing)	25	25	07/26/16	08/29/16
M2300	Mechanical Bulkhead	10	10	08/02/16	08/15/16
M2350	Diving Boards	10	10	08/16/16	08/29/16

<b>Entry Area</b>					
ID	Description	Orig Dur	Rem Dur	Start	Finish
M1715	CMU Walls & HM Door Frames	25	0	02/02/16A	03/01/16A
M1710	MEP In Wall Rough In	25	0	02/03/16A	02/23/16A
M1910	O/H MEP Rough In	19	5	03/01/16A	03/25/16
M2010	Frame Hardlid Ceilings	5	5	03/28/16	04/01/16
M1810	Glass System @ CMU	5	5	03/30/16	04/05/16
M2110	O/H MEP Trim Out In Hardlid Ceilings	5	5	04/04/16	04/08/16
M3010	Floor & Wall Tile	30	30	04/06/16	05/17/16
M2210	Install Hard Ceilings	8	8	05/06/16	05/17/16
M2310	Ceramic Tile Ceilings	10	10	05/18/16	06/01/16
M2410	Tape / Bed / 1st Coat Paint Ceilings	10	10	05/18/16	06/01/16
M2510	Paint 1st Coat CMU Walls	10	10	05/18/16	06/01/16
M2610	MEP Trim Out	10	10	06/02/16	06/15/16
M2740	Ceiling Grid	5	5	06/16/16	06/22/16
M2810	Toilet Partitions	5	5	06/16/16	06/22/16
M2840	O/H MEP Rough In @ Grid	5	5	06/23/16	06/29/16
M2710	Millwork	10	10	08/15/16	08/26/16
M2910	Operable Partitions	10	10	08/22/16	09/02/16

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**McKinney Aquatics & Fitness Center**  
**McKinney, TX**  
**MCC Project #3666**





Start Date: 06/19/14  
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# McKinney Aquatics & Fitness Center

## McKinney, TX

### MCC Project #3666



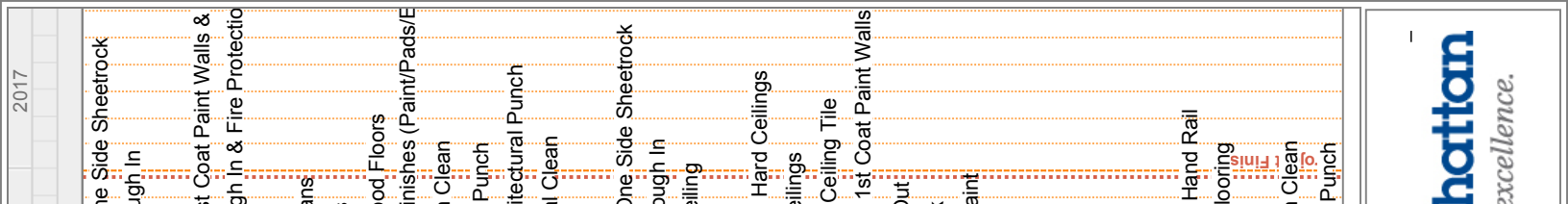
ID	Description	Orig Dur	Rem Dur	Start	Finish
M1670	Frame Walls / One Side Sheetrock	5	5	05/06/16	05/12/16
M1720	MEP In Wall Rough In	5	5	05/13/16	05/19/16
M1770	Close Walls	5	5	05/20/16	05/26/16
M2020	Tape / Bed / 1st Coat Paint Walls & CMU	5	5	05/27/16	06/03/16
M1820	O/H MEP Rough In & Fire Protection	7	7	05/27/16	06/07/16
M1870	Paint O/H	10	10	06/08/16	06/21/16
M1970	Install Big Fans	5	5	06/22/16	06/28/16
M1920	Install Lights	7	7	06/22/16	06/30/16
M2070	Install Wood Floors	20	20	07/01/16	07/29/16
M2120	Gym Finishes (Paint/Pads/Equipment Etc)	20	20	08/01/16	08/26/16
M3230	Rough Clean	5	5	08/29/16	09/02/16
M3330	MCC Punch	5	5	09/06/16	09/12/16
M3430	Architectural Punch	5	5	09/13/16	09/19/16
M3530	Final Clean	5	5	09/20/16	09/26/16
<b>Entry Area Restroom</b>					
M3570	Frame Walls / One Side Sheetrock	5	5	05/20/16	05/26/16
M3620	MEP In Wall Rough In	5	5	05/24/16	05/31/16
M3670	Frame Hard Ceiling	2	2	05/27/16	05/31/16
M3720	Close Walls	2	2	06/01/16	06/02/16
M3770	MEP Rough In Hard Ceilings	3	3	06/03/16	06/07/16
M3820	Close Hard Ceilings	2	2	06/08/16	06/09/16
M3870	Floor / Wall / Ceiling Tile	10	10	06/10/16	06/23/16
M3920	Tape / Bed / 1st Coat Paint Walls & Ceilings	3	3	06/24/16	06/28/16
M3970	MEP Trim Out	5	5	06/29/16	07/06/16
M4020	Millwork	5	5	08/15/16	08/19/16
M4070	Final Paint	2	2	08/22/16	08/23/16
<b>Level 3</b>					
<b>Gym Area</b>					
M3730	CMU Walls	5	5	03/28/16	04/01/16
M3580	Fitness Flooring	10	10	05/06/16	05/19/16
M3830	Paint CMU	2	2	06/22/16	06/23/16
M3780	SS Track Hand Rail	25	25	06/24/16	07/29/16
M3630	Track Flooring	15	15	08/01/16	08/19/16
M3680	Carpet	5	5	08/22/16	08/26/16
M3240	Rough Clean	5	5	08/29/16	09/02/16
M3340	MCC Punch	5	5	09/06/16	09/12/16

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# McKinney Aquatics & Fitness Center

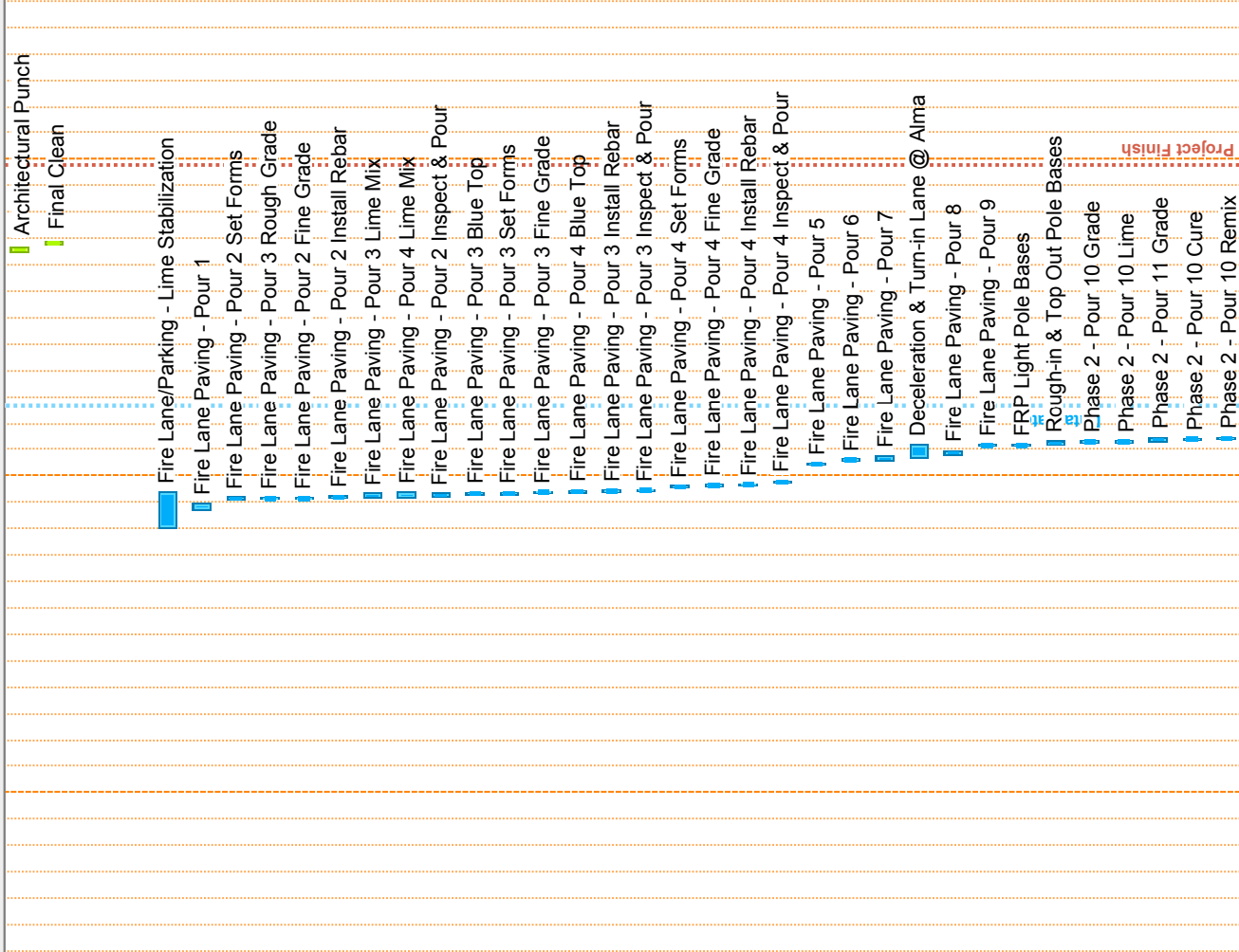
## McKinney, TX

### MCC Project #3666



ID	Description	Orig Dur	Rem Dur	Start	Finish
M3440	Architectural Punch	5	5	09/13/16	09/19/16
M3540	Final Clean	5	5	09/20/16	09/26/16
<b>Parking Areas &amp; Landscape</b>					
<b>Pavement</b>					
M1520	Fire Lane/Parking - Lime Stabilization	30	0	10/29/15A	12/08/15A
M1760	Fire Lane Paving - Pour 1	5	0	11/19/15A	11/25/15A
M1740	Fire Lane Paving - Pour 2 Set Forms	1	0	12/01/15A	12/03/15A
M1750	Fire Lane Paving - Pour 3 Rough Grade	1	0	12/02/15A	12/02/15A
M1940	Fire Lane Paving - Pour 2 Fine Grade	1	0	12/02/15A	12/02/15A
M1950	Fire Lane Paving - Pour 2 Install Rebar	1	0	12/03/15A	12/04/15A
M1890	Fire Lane Paving - Pour 3 Lime Mix	3	0	12/03/15A	12/07/15A
M2160	Fire Lane Paving - Pour 4 Lime Mix	4	0	12/03/15A	12/08/15A
M1960	Fire Lane Paving - Pour 2 Inspect & Pour	1	0	12/04/15A	12/07/15A
M1990	Fire Lane Paving - Pour 3 Blue Top	2	0	12/07/15A	12/08/15A
M2040	Fire Lane Paving - Pour 3 Set Forms	2	0	12/07/15A	12/08/15A
M2050	Fire Lane Paving - Pour 3 Fine Grade	1	0	12/09/15A	12/09/15A
M1530	Fire Lane Paving - Pour 4 Blue Top	2	0	12/09/15A	12/10/15A
M2090	Fire Lane Paving - Pour 3 Install Rebar	1	0	12/10/15A	12/10/15A
M2140	Fire Lane Paving - Pour 3 Inspect & Pour	1	0	12/11/15A	12/11/15A
M1640	Fire Lane Paving - Pour 4 Set Forms	3	0	12/15/15A	12/16/15A
M1650	Fire Lane Paving - Pour 4 Fine Grade	1	0	12/17/15A	12/17/15A
M1660	Fire Lane Paving - Pour 4 Install Rebar	1	0	12/18/15A	12/18/15A
M1690	Fire Lane Paving - Pour 4 Inspect & Pour	1	0	12/21/15A	12/21/15A
M2180	Fire Lane Paving - Pour 5	1	0	01/11/16A	01/11/16A
M2190	Fire Lane Paving - Pour 6	1	0	01/15/16A	01/15/16A
M2220	Fire Lane Paving - Pour 7	1	0	01/15/16A	01/19/16A
M2270	Deceleration & Turn-in Lane @ Alma	10	0	01/18/16A	02/01/16A
M2240	Fire Lane Paving - Pour 8	1	0	01/22/16A	01/25/16A
M2260	Fire Lane Paving - Pour 9	1	0	02/01/16A	02/01/16A
M2370	FRP Light Pole Bases	1	0	02/01/16A	02/01/16A
M2380	Rough-in & Top Out Pole Bases	4	0	02/02/16A	02/05/16A
M2360	Phase 2 - Pour 10 Grade	1	0	02/05/16A	02/05/16A
M2365	Phase 2 - Pour 10 Lime	1	0	02/05/16A	02/05/16A
M2377	Phase 2 - Pour 11 Grade	3	0	02/06/16A	02/09/16A
M2367	Phase 2 - Pour 10 Cure	1	0	02/08/16A	02/08/16A
M2368	Phase 2 - Pour 10 Remix	1	0	02/09/16A	02/09/16A

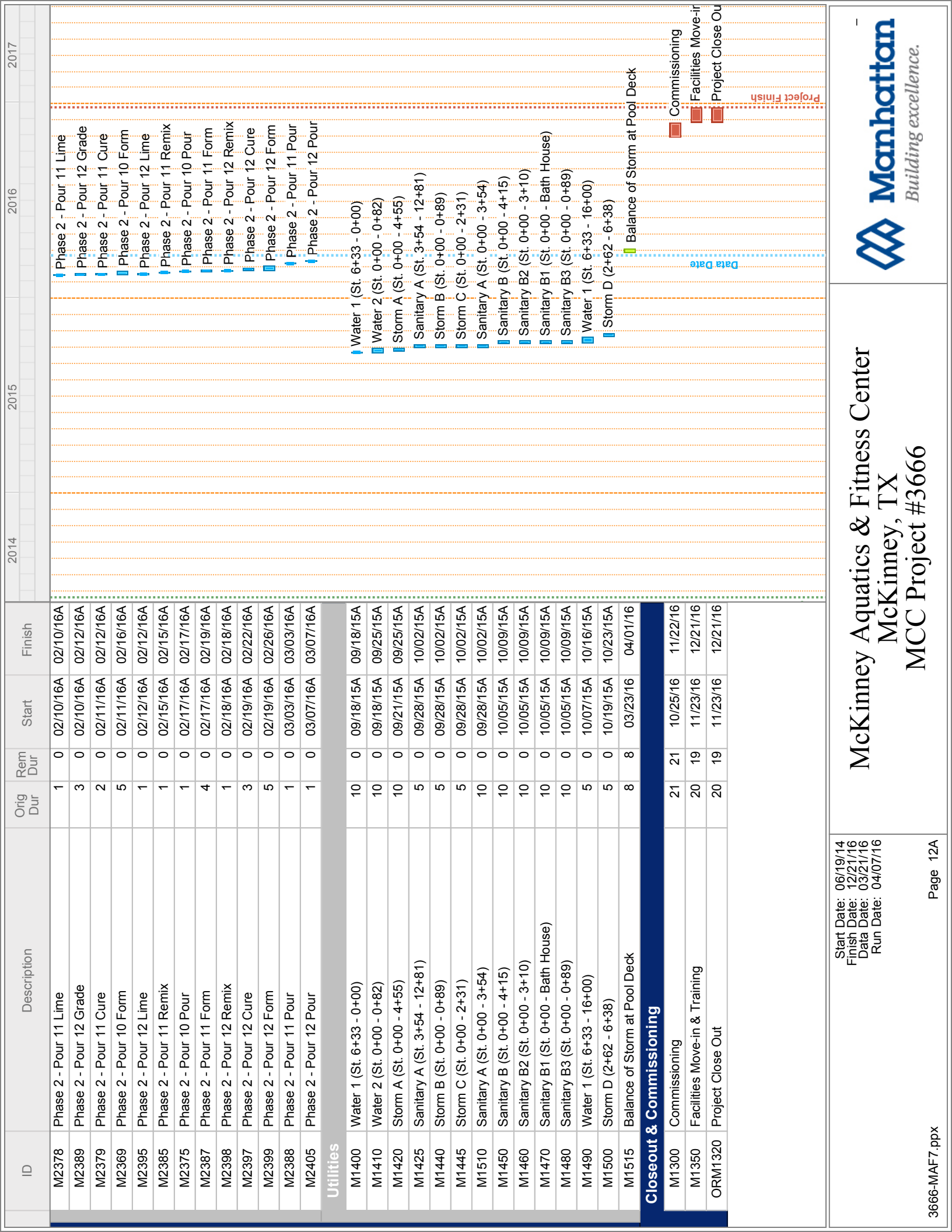
2017  
2016  
2015  
2014



Start Date: 06/19/14  
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# McKinney Aquatics & Fitness Center McKinney, TX MCC Project #3666





ID	Description	Orig Dur	Rem Dur	Start	Finish
M2378	Phase 2 - Pour 11 Lime	1	0	02/10/16A	02/10/16A
M2389	Phase 2 - Pour 12 Grade	3	0	02/10/16A	02/12/16A
M2379	Phase 2 - Pour 11 Cure	2	0	02/11/16A	02/12/16A
M2369	Phase 2 - Pour 10 Form	5	0	02/11/16A	02/16/16A
M2395	Phase 2 - Pour 12 Lime	1	0	02/12/16A	02/12/16A
M2385	Phase 2 - Pour 11 Remix	1	0	02/15/16A	02/15/16A
M2375	Phase 2 - Pour 10 Pour	1	0	02/17/16A	02/17/16A
M2387	Phase 2 - Pour 11 Form	4	0	02/17/16A	02/19/16A
M2398	Phase 2 - Pour 12 Remix	1	0	02/18/16A	02/18/16A
M2397	Phase 2 - Pour 12 Cure	3	0	02/19/16A	02/22/16A
M2399	Phase 2 - Pour 12 Form	5	0	02/19/16A	02/26/16A
M2388	Phase 2 - Pour 11 Pour	1	0	03/03/16A	03/03/16A
M2405	Phase 2 - Pour 12 Pour	1	0	03/07/16A	03/07/16A

**Utilities**

M1400	Water 1 (St. 6+33 - 0+00)	10	0	09/18/15A	09/18/15A
M1410	Water 2 (St. 0+00 - 0+82)	10	0	09/18/15A	09/25/15A
M1420	Storm A (St. 0+00 - 4+55)	10	0	09/21/15A	09/25/15A
M1425	Sanitary A (St. 3+54 - 12+81)	5	0	09/28/15A	10/02/15A
M1440	Storm B (St. 0+00 - 0+89)	5	0	09/28/15A	10/02/15A
M1445	Storm C (St. 0+00 - 2+31)	5	0	09/28/15A	10/02/15A
M1510	Sanitary A (St. 0+00 - 3+54)	10	0	09/28/15A	10/02/15A
M1450	Sanitary B (St. 0+00 - 4+15)	10	0	10/05/15A	10/09/15A
M1460	Sanitary B2 (St. 0+00 - 3+10)	10	0	10/05/15A	10/09/15A
M1470	Sanitary B1 (St. 0+00 - Bath House)	10	0	10/05/15A	10/09/15A
M1480	Sanitary B3 (St. 0+00 - 0+89)	10	0	10/05/15A	10/09/15A
M1490	Water 1 (St. 6+33 - 16+00)	5	0	10/07/15A	10/16/15A
M1500	Storm D (2+62 - 6+38)	5	0	10/19/15A	10/23/15A
M1515	Balance of Storm at Pool Deck	8	8	03/23/16	04/01/16

**Closeout & Commissioning**

M1300	Commissioning	21	21	10/25/16	11/22/16
M1350	Facilities Move-in & Training	20	19	11/23/16	12/21/16
ORM1320	Project Close Out	20	19	11/23/16	12/21/16

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**McKinney Aquatics & Fitness Center**  
 McKinney, TX  
 MCC Project #3666





# BUDGET & CASH FLOW

# SINE CURVE PROJECTION

**Analysis Date:** 04/20/16  
**Duration (Months):** 18  
**Total Amount (\$):** \$31,279,905  
**Sine Curve Option:** 3

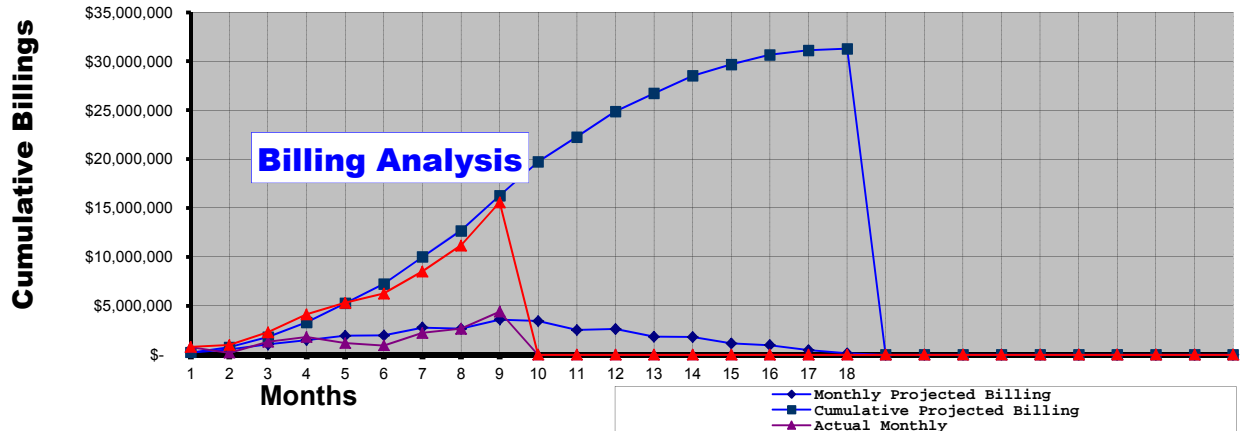
**BILLING SINE CURVE OPTIONS**

- Curve 1 = Project with a Fast Start
- Curve 2 = Project with a Moderately Quick Start
- Curve 3 = Project with a Typical Sine Curve
- Curve 4 = Project with a Moderately Slow Start
- Curve 5 = Project with a Very Slow Start
- Curve 6 = Project with a Straightline Billing Structure

[Cell] = Calculated cell (no input required)

SINE PROJECTIONS			ACTUALS			DELTA
Month Number	Estimated Current Application	Cumulative Application	Date of Payments	Actual Application	Cumulative Application	Variance
0	\$ -	\$ -		\$ 18,000	\$ 18,000	\$18,000
1	\$ 225,215	\$ 225,215	08/28/15	\$ 779,309	\$ 797,309	\$572,094
2	\$ 531,758	\$ 756,974	10/13/15	\$ 191,191	\$ 988,500	\$231,526
3	\$ 1,051,005	\$ 1,807,979	10/30/15	\$ 1,321,243	\$ 2,309,743	\$501,764
4	\$ 1,501,435	\$ 3,309,414	11/13/15	\$ 1,816,694	\$ 4,126,437	\$817,023
5	\$ 1,951,866	\$ 5,261,280	12/18/15	\$ 1,189,211	\$ 5,315,648	\$54,368
6	\$ 1,970,634	\$ 7,231,914	01/15/16	\$ 950,923	\$ 6,266,571	(\$965,343)
7	\$ 2,777,656	\$ 10,009,570	02/19/16	\$ 2,244,161	\$ 8,510,732	(\$1,498,838)
8	\$ 2,658,792	\$ 12,668,362	03/25/16	\$ 2,655,666	\$ 11,166,398	(\$1,501,964)
9	\$ 3,590,933	\$ 16,259,295		\$ 4,411,304	\$ 15,577,702	(\$681,593)
10	\$ 3,453,302	\$ 19,712,596				
11	\$ 2,533,672	\$ 22,246,268				
12	\$ 2,627,512	\$ 24,873,780				
13	\$ 1,845,514	\$ 26,719,295				
14	\$ 1,801,723	\$ 28,521,017				
15	\$ 1,157,356	\$ 29,678,374				
16	\$ 975,933	\$ 30,654,307				
17	\$ 469,199	\$ 31,123,505				
18	\$ 156,400	\$ 31,279,905				

Current Variance (681,593)





# WEATHER



**McKinney Aquatics and Fitness Center**

3003 Alma Road  
McKinney, TX 75070

Tel: Fax:

**Manhattan Construction Company**

Project # 3666

Date	Temperature			Precip	Cumulative Precipitation	Lost Workday	Conditions
	Low	Median	High				
3/12/2016	55		71	0.00	44.10		Partly Cloudy, Windy(20 mph)
3/13/2016	54		77	0.00	44.10		Clear, Windy(32 mph)
3/14/2016	50		87	0.00	44.10		Clear, Windy(30 mph)
3/15/2016	57		80	0.00	44.10		Clear, Windy(31 mph)
3/16/2016	45		75	0.00	44.10		Clear, Windy(20 mph)
3/17/2016	49		62	0.38	44.48	Y	Cloudy, Windy(26 mph)
3/18/2016	45		61	0.00	44.48		Cloudy, Windy(33 mph)
3/19/2016	39		59	0.00	44.48		Clear, Windy(33 mph)
3/20/2016	35		54	0.00	44.48		Clear, Windy(29 mph)
3/21/2016	32		64	0.00	44.48		Clear, Windy(29 mph)
3/22/2016	48		73	0.00	44.48		Clear, Windy(42 mph)
3/23/2016	59		79	0.39	44.87	Y	Partly Cloudy, Windy(42 mph)
3/24/2016	43		62	0.00	44.87		Clear, Windy(36 mph)
3/25/2016	35		67	0.00	44.87		Clear, Windy(25 mph)
3/26/2016	49		73	0.00	44.87		Clear, Windy(30 mph)
3/27/2016	43		62	0.00	44.87		Clear, Windy(33 mph)
3/28/2016	34		68	0.00	44.87		Clear
3/29/2016	48		72	0.00	44.87		Partly Cloudy, Windy(29 mph)
3/30/2016	63		76	0.23	45.10	Y	Cloudy, Windy(43 mph)
3/31/2016	56		74	0.00	45.10		Clear, Windy(26 mph)
4/1/2016	47		64	0.00	45.10		Clear, Windy(29 mph)
4/2/2016	41		67	0.00	45.10		Clear, Windy(24 mph)
4/3/2016	40		75	0.00	45.10		Clear, Windy(24 mph)
4/4/2016	46		83	0.00	45.10		Clear
4/5/2016	50		84	0.00	45.10		Clear, Windy(30 mph)
4/6/2016	52		77	0.00	45.10		Clear, Windy(42 mph)
4/7/2016	46		84	0.00	45.10		Clear, Windy(28 mph)
4/8/2016	50		71	0.00	45.10		Clear, Windy(24 mph)
4/9/2016	47		68	0.01	45.11		Partly Cloudy, Windy(31 mph)
4/10/2016	60		75	0.00	45.11		Cloudy, Windy(36 mph)
4/11/2016	58		78	1.87	46.98	Y	Cloudy, Windy(32 mph)
4/12/2016	52		67	0.03	47.01		Partly Cloudy, Windy(21 mph)
4/13/2016	51		59	0.33	47.34	Y	Cloudy
4/14/2016	55		71	0.00	47.34		Partly Cloudy
4/15/2016	51		72	0.00	47.34		Partly Cloudy, Windy(21 mph)
4/16/2016	61		77	0.00	47.34		Cloudy, Windy(30 mph)
4/17/2016	61		69	2.11	49.45	Y	Cloudy, Windy(36 mph)
4/18/2016	62		74	1.04	50.49	Y	Partly Cloudy, Windy(30 mph)
4/19/2016	63		76	0.01	50.50		Cloudy



# PHOTOGRAPHS





