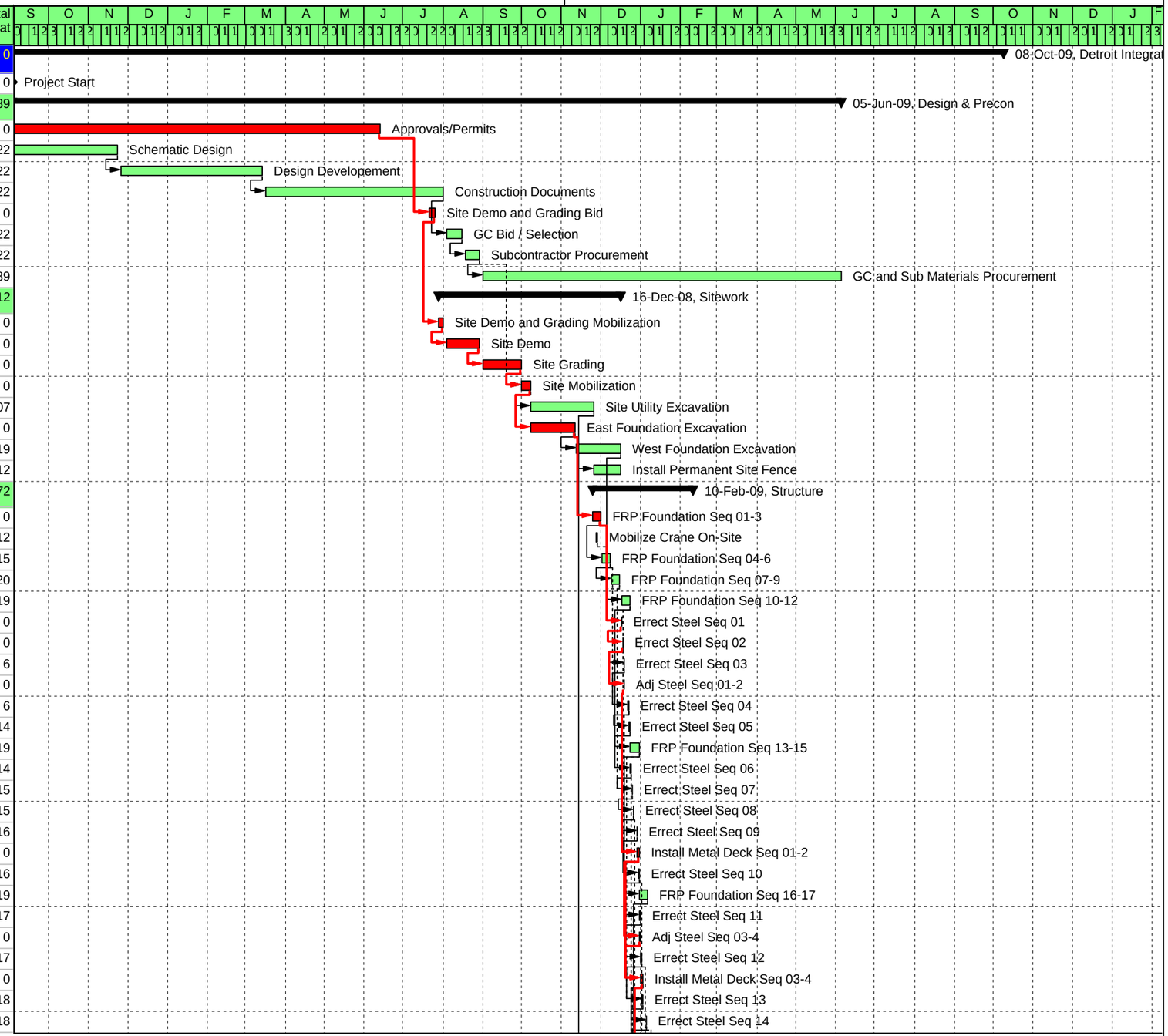
Appendix F: Precast Project Schedule

DITC | Classic WBS Layout | 21-Mar-09 17:36

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
Detroit Integrated Transportation ...		549	03-Sep-07	08-Oct-09	0
A100	Project Start	0	03-Sep-07		0
Design & Precon		460	03-Sep-07	05-Jun-09	89
A101	Approvals/Permits	205	03-Sep-07	13-Jun-08	0
A102	Schematic Design	60	03-Sep-07	23-Nov-07	22
A103	Design Developement	80	26-Nov-07	14-Mar-08	22
A104	Construction Documents	100	17-Mar-08	01-Aug-08	22
A105	Site Demo and Grading Bid	5	21-Jul-08	25-Jul-08	0
A106	GC Bid / Selection	10	04-Aug-08	15-Aug-08	22
A107	Subcontractor Procurement	10	18-Aug-08	29-Aug-08	22
A108	GC and Sub Materials Procurement	200	01-Sep-08	05-Jun-09	89
Sitework		102	28-Jul-08	16-Dec-08	212
C100	Site Demo and Grading Mobilization	5	28-Jul-08	01-Aug-08	0
C101	Site Demo	20	04-Aug-08	29-Aug-08	0
C102	Site Grading	22	01-Sep-08	30-Sep-08	0
C103	Site Mobilization	5	01-Oct-08	07-Oct-08	0
C104	Site Utility Excavation	35	08-Oct-08	25-Nov-08	207
C105	East Foundation Excavation	25	08-Oct-08	11-Nov-08	0
C106	West Foundation Excavation	25	12-Nov-08	16-Dec-08	19
C107	Install Permanent Site Fence	15	26-Nov-08	16-Dec-08	212
Structure		56	25-Nov-08	10-Feb-09	172
S100	FRP Foundation Seq 01-3	5	25-Nov-08	01-Dec-08	0
S103	Mobilize Crane On-Site	2	27-Nov-08*	28-Nov-08	12
S101	FRP Foundation Seq 04-6	5	02-Dec-08	08-Dec-08	15
S102	FRP Foundation Seq 07-9	5	09-Dec-08	15-Dec-08	20
S104	FRP Foundation Seq 10-12	5	17-Dec-08	23-Dec-08	19
S105	Errect Steel Seq 01	1	17-Dec-08	17-Dec-08	0
S106	Errect Steel Seq 02	1	18-Dec-08	18-Dec-08	0
S107	Errect Steel Seq 03	1	19-Dec-08	19-Dec-08	6
S108	Adj Steel Seq 01-2	1	19-Dec-08	19-Dec-08	0
S109	Errect Steel Seq 04	1	22-Dec-08	22-Dec-08	6
S111	Errect Steel Seq 05	1	23-Dec-08	23-Dec-08	14
S112	FRP Foundation Seq 13-15	5	24-Dec-08	30-Dec-08	19
S113	Errect Steel Seq 06	1	24-Dec-08	24-Dec-08	14
S115	Errect Steel Seq 07	1	25-Dec-08	25-Dec-08	15
S117	Errect Steel Seq 08	1	26-Dec-08	26-Dec-08	15
S118	Errect Steel Seq 09	1	29-Dec-08	29-Dec-08	16
S110	Install Metal Deck Seq 01-2	2	29-Dec-08	30-Dec-08	0
S120	Errect Steel Seq 10	1	30-Dec-08	30-Dec-08	16
S122	FRP Foundation Seq 16-17	5	31-Dec-08	06-Jan-09	19
S123	Errect Steel Seq 11	1	31-Dec-08	31-Dec-08	17
S114	Adj Steel Seq 03-4	1	31-Dec-08	31-Dec-08	0
S124	Errect Steel Seq 12	1	01-Jan-09	01-Jan-09	17
S116	Install Metal Deck Seq 03-4	2	01-Jan-09	02-Jan-09	0
S126	Errect Steel Seq 13	1	02-Jan-09	02-Jan-09	18
S128	Errect Steel Seq 14	1	05-Jan-09	05-Jan-09	18



Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

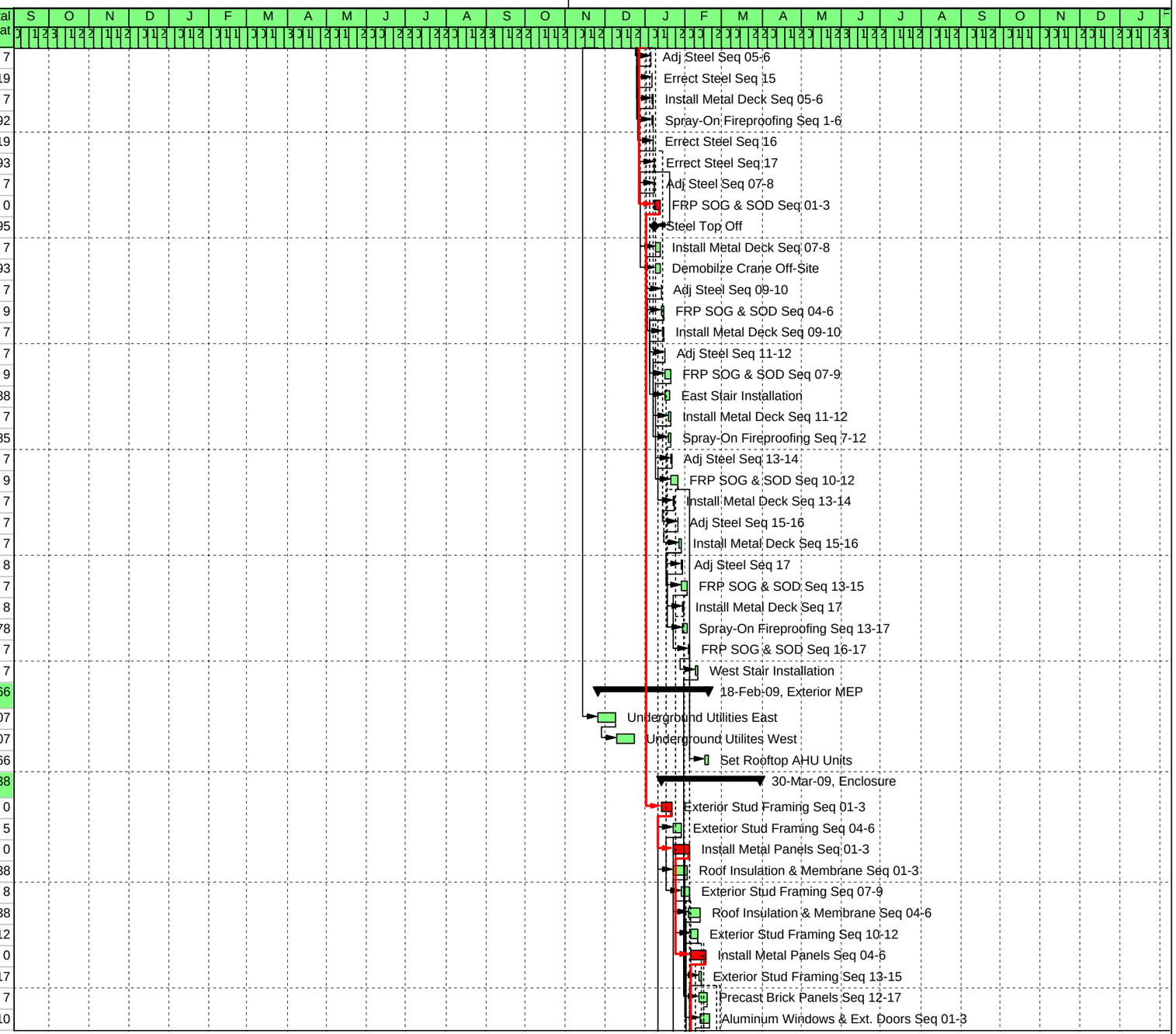
Shane Goodman - Thesis Report

TASK filter: All Activities

© Primavera Systems, Inc.

DITC | Classic WBS Layout | 21-Mar-09 17:36

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
S119	Adj Steel Seq 05-6	1	05-Jan-09	05-Jan-09	7
S129	Errect Steel Seq 15	1	06-Jan-09	06-Jan-09	19
S121	Install Metal Deck Seq 05-6	2	06-Jan-09	07-Jan-09	7
S150	Spray-On Fireproofing Seq 1-6	2	06-Jan-09	07-Jan-09	192
S131	Errect Steel Seq 16	1	07-Jan-09	07-Jan-09	19
S133	Errect Steel Seq 17	1	08-Jan-09	08-Jan-09	193
S125	Adj Steel Seq 07-8	1	08-Jan-09	08-Jan-09	7
S141	FRP SOG & SOD Seq 01-3	3	08-Jan-09	12-Jan-09	0
S134	Steel Top Off	0		08-Jan-09	195
S127	Install Metal Deck Seq 07-8	2	09-Jan-09	12-Jan-09	7
S136	Demobilze Crane Off-Site	2	09-Jan-09	12-Jan-09	193
S130	Adj Steel Seq 09-10	1	13-Jan-09	13-Jan-09	7
S144	FRP SOG & SOD Seq 04-6	3	13-Jan-09	15-Jan-09	9
S132	Install Metal Deck Seq 09-10	2	14-Jan-09	15-Jan-09	7
S135	Adj Steel Seq 11-12	1	16-Jan-09	16-Jan-09	7
S146	FRP SOG & SOD Seq 07-9	3	16-Jan-09	20-Jan-09	9
S147	East Stair Installation	2	16-Jan-09	19-Jan-09	188
S137	Install Metal Deck Seq 11-12	2	19-Jan-09	20-Jan-09	7
S152	Spray-On Fireproofing Seq 7-12	2	19-Jan-09	20-Jan-09	185
S138	Adj Steel Seq 13-14	1	21-Jan-09	21-Jan-09	7
S148	FRP SOG & SOD Seq 10-12	4	21-Jan-09	26-Jan-09	9
S139	Install Metal Deck Seq 13-14	2	22-Jan-09	23-Jan-09	7
S140	Adj Steel Seq 15-16	1	26-Jan-09	26-Jan-09	7
S142	Install Metal Deck Seq 15-16	2	27-Jan-09	28-Jan-09	7
S143	Adj Steel Seq 17	1	29-Jan-09	29-Jan-09	8
S149	FRP SOG & SOD Seq 13-15	3	29-Jan-09	02-Feb-09	7
S145	Install Metal Deck Seq 17	1	30-Jan-09	30-Jan-09	8
S153	Spray-On Fireproofing Seq 13-17	2	30-Jan-09	02-Feb-09	178
S151	FRP SOG & SOD Seq 16-17	2	03-Feb-09	04-Feb-09	7
S154	West Stair Installation	2	09-Feb-09	10-Feb-09	7
Exterior MEP		61	26-Nov-08	18-Feb-09	166
M100	Underground Utilities East	10	26-Nov-08	09-Dec-08	207
M101	Underground Utilites West	10	10-Dec-08	23-Dec-08	207
M102	Set Rooftop AHU Units	3	16-Feb-09	18-Feb-09	166
Enclosure		55	13-Jan-09	30-Mar-09	138
F100	Exterior Stud Framing Seq 01-3	7	13-Jan-09	21-Jan-09	0
F101	Exterior Stud Framing Seq 04-6	5	22-Jan-09	28-Jan-09	5
F104	Install Metal Panels Seq 01-3	10	22-Jan-09	04-Feb-09	0
F102	Roof Insulation & Membrane Seq 01-3	8	22-Jan-09	02-Feb-09	138
F103	Exterior Stud Framing Seq 07-9	5	29-Jan-09	04-Feb-09	8
F105	Roof Insulation & Membrane Seq 04-6	8	03-Feb-09	12-Feb-09	138
F106	Exterior Stud Framing Seq 10-12	4	05-Feb-09	10-Feb-09	12
F108	Install Metal Panels Seq 04-6	8	05-Feb-09	16-Feb-09	0
F107	Exterior Stud Framing Seq 13-15	3	11-Feb-09	13-Feb-09	17
F129	Precast Brick Panels Seq 12-17	5	11-Feb-09	17-Feb-09	7
F117	Aluminum Windows & Ext. Doors Seq 0...	6	12-Feb-09	19-Feb-09	10



Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

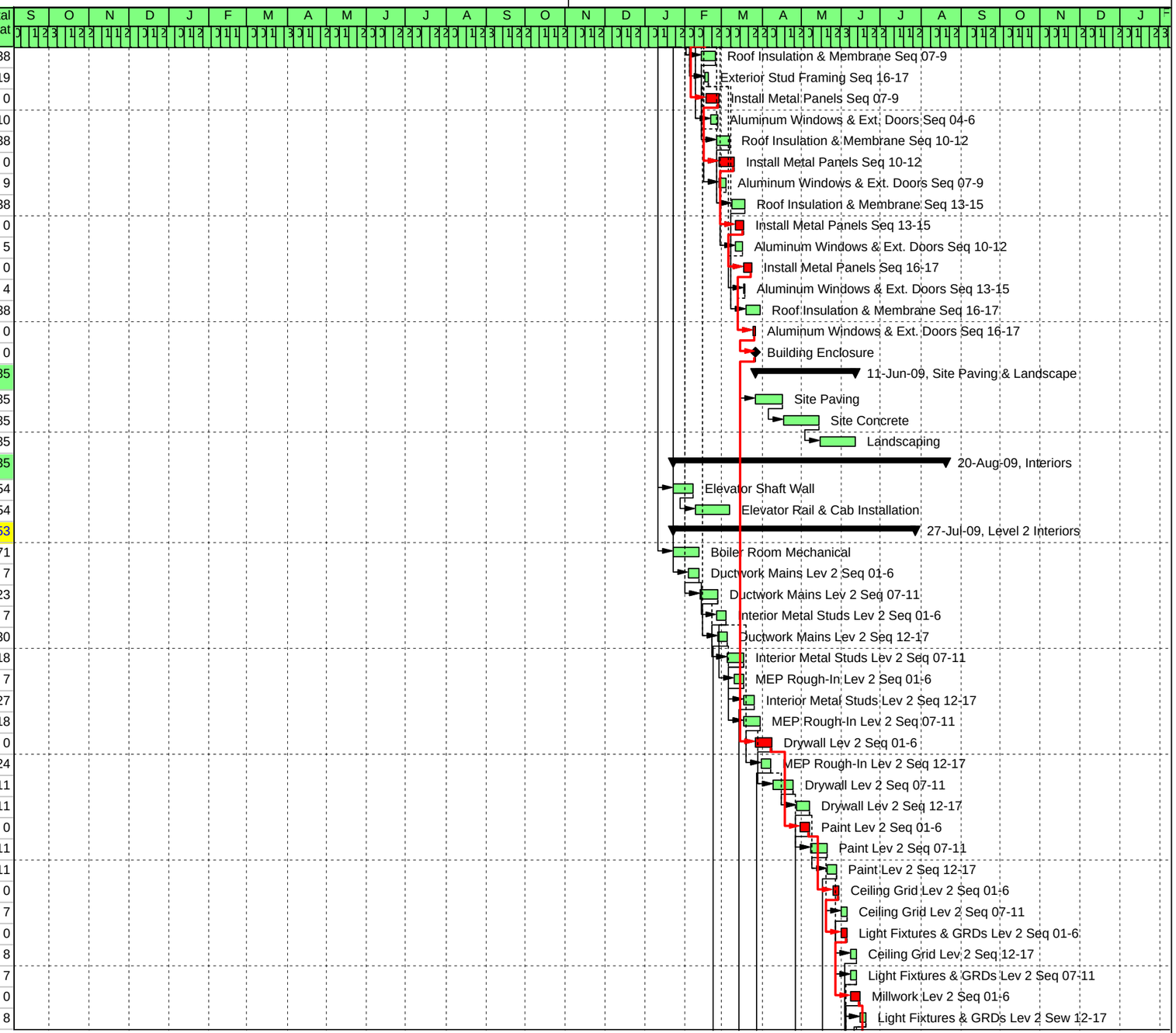
Shane Goodman - Thesis Report

TASK filter: All Activities

© Primavera Systems, Inc.

DITC | Classic WBS Layout | 21-Mar-09 17:36

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
F110	Roof Insulation & Membrane Seq 07-9	8	13-Feb-09	24-Feb-09	138
F112	Exterior Stud Framing Seq 16-17	3	16-Feb-09	18-Feb-09	19
F113	Install Metal Panels Seq 07-9	8	17-Feb-09	26-Feb-09	0
F119	Aluminum Windows & Ext. Doors Seq 0...	4	20-Feb-09	25-Feb-09	10
F114	Roof Insulation & Membrane Seq 10-12	8	25-Feb-09	06-Mar-09	138
F116	Install Metal Panels Seq 10-12	8	27-Feb-09	10-Mar-09	0
F122	Aluminum Windows & Ext. Doors Seq 0...	4	27-Feb-09	04-Mar-09	9
F118	Roof Insulation & Membrane Seq 13-15	8	09-Mar-09	18-Mar-09	138
F120	Install Metal Panels Seq 13-15	5	11-Mar-09	17-Mar-09	0
F124	Aluminum Windows & Ext. Doors Seq 1...	4	11-Mar-09	16-Mar-09	5
F123	Install Metal Panels Seq 16-17	5	18-Mar-09	24-Mar-09	0
F125	Aluminum Windows & Ext. Doors Seq 1...	1	18-Mar-09	18-Mar-09	4
F121	Roof Insulation & Membrane Seq 16-17	8	19-Mar-09	30-Mar-09	138
F126	Aluminum Windows & Ext. Doors Seq 1...	2	25-Mar-09	26-Mar-09	0
F127	Building Enclosure	0		26-Mar-09	0
Site Paving & Landscape		55	27-Mar-09	11-Jun-09	85
C108	Site Paving	15	27-Mar-09	16-Apr-09	85
C109	Site Concrete	20	17-Apr-09	14-May-09	85
C110	Landscaping	20	15-May-09	11-Jun-09	85
Interiors		151	22-Jan-09	20-Aug-09	35
I100	Elevator Shaft Wall	12	22-Jan-09	06-Feb-09	154
I101	Elevator Rail & Cab Installation	20	09-Feb-09	06-Mar-09	154
Level 2 Interiors		133	22-Jan-09	27-Jul-09	53
I102	Boiler Room Mechanical	15	22-Jan-09	11-Feb-09	171
I103	Ductwork Mains Lev 2 Seq 01-6	7	03-Feb-09	11-Feb-09	7
I104	Ductwork Mains Lev 2 Seq 07-11	10	12-Feb-09	25-Feb-09	23
I106	Interior Metal Studs Lev 2 Seq 01-6	6	25-Feb-09	04-Mar-09	7
I105	Ductwork Mains Lev 2 Seq 12-17	6	26-Feb-09	05-Mar-09	30
I107	Interior Metal Studs Lev 2 Seq 07-11	9	05-Mar-09	17-Mar-09	18
I108	MEP Rough-In Lev 2 Seq 01-6	6	10-Mar-09	17-Mar-09	7
I109	Interior Metal Studs Lev 2 Seq 12-17	6	18-Mar-09	25-Mar-09	27
I110	MEP Rough-In Lev 2 Seq 07-11	9	18-Mar-09	30-Mar-09	18
I112	Drywall Lev 2 Seq 01-6	9	27-Mar-09	08-Apr-09	0
I111	MEP Rough-In Lev 2 Seq 12-17	6	31-Mar-09	07-Apr-09	24
I113	Drywall Lev 2 Seq 07-11	12	09-Apr-09	24-Apr-09	11
I115	Drywall Lev 2 Seq 12-17	9	27-Apr-09	07-May-09	11
I114	Paint Lev 2 Seq 01-6	6	30-Apr-09	07-May-09	0
I116	Paint Lev 2 Seq 07-11	9	08-May-09	20-May-09	11
I118	Paint Lev 2 Seq 12-17	6	21-May-09	28-May-09	11
I117	Ceiling Grid Lev 2 Seq 01-6	5	25-May-09	29-May-09	0
I119	Ceiling Grid Lev 2 Seq 07-11	5	01-Jun-09	05-Jun-09	7
I120	Light Fixtures & GRDs Lev 2 Seq 01-6	5	01-Jun-09	05-Jun-09	0
I121	Ceiling Grid Lev 2 Seq 12-17	5	08-Jun-09	12-Jun-09	8
I122	Light Fixtures & GRDs Lev 2 Seq 07-11	5	08-Jun-09	12-Jun-09	7
I123	Millwork Lev 2 Seq 01-6	6	08-Jun-09	15-Jun-09	0
I124	Light Fixtures & GRDs Lev 2 Sew 12-17	5	15-Jun-09	19-Jun-09	8



Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

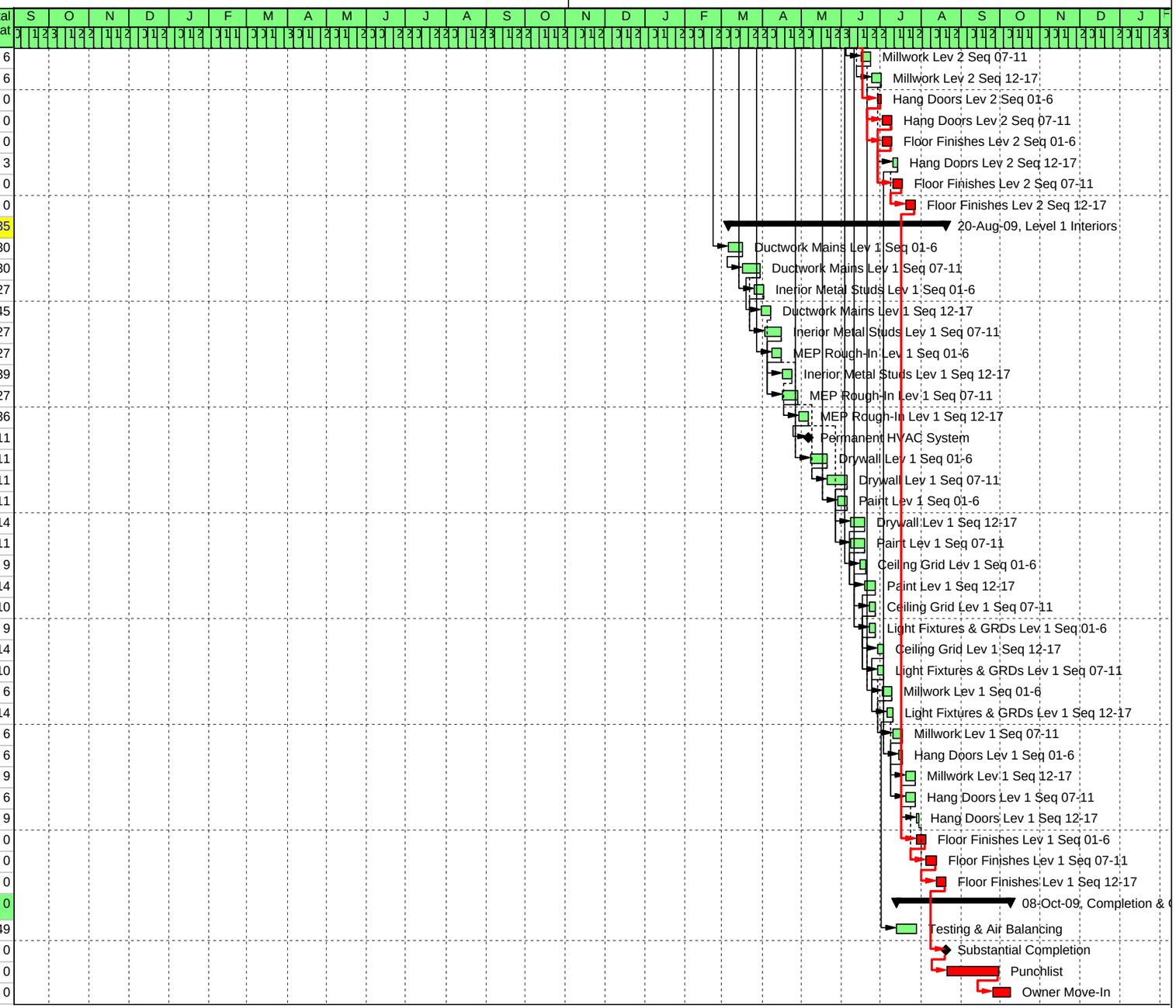
Shane Goodman - Thesis Report

TASK filter: All Activities

© Primavera Systems, Inc.

DITC | Classic WBS Layout | 21-Mar-09 17:36

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
I125	Millwork Lev 2 Seq 07-11	6	16-Jun-09	23-Jun-09	6
I126	Millwork Lev 2 Seq 12-17	6	24-Jun-09	01-Jul-09	6
I127	Hang Doors Lev 2 Seq 01-6	3	29-Jun-09	01-Jul-09	0
I128	Hang Doors Lev 2 Seq 07-11	6	02-Jul-09	09-Jul-09	0
I129	Floor Finishes Lev 2 Seq 01-6	6	02-Jul-09	09-Jul-09	0
I130	Hang Doors Lev 2 Seq 12-17	3	10-Jul-09	14-Jul-09	3
I131	Floor Finishes Lev 2 Seq 07-11	6	10-Jul-09	17-Jul-09	0
I132	Floor Finishes Lev 2 Seq 12-17	6	20-Jul-09	27-Jul-09	0
Level 1 Interiors		120	06-Mar-09	20-Aug-09	35
I133	Ductwork Mains Lev 1 Seq 01-6	7	06-Mar-09	16-Mar-09	30
I134	Ductwork Mains Lev 1 Seq 07-11	10	17-Mar-09	30-Mar-09	30
I135	Inerior Metal Studs Lev 1 Seq 01-6	6	26-Mar-09	02-Apr-09	27
I136	Ductwork Mains Lev 1 Seq 12-17	6	31-Mar-09	07-Apr-09	45
I137	Inerior Metal Studs Lev 1 Seq 07-11	9	03-Apr-09	15-Apr-09	27
I138	MEP Rough-In Lev 1 Seq 01-6	6	08-Apr-09	15-Apr-09	27
I139	Inerior Metal Studs Lev 1 Seq 12-17	6	16-Apr-09	23-Apr-09	39
I140	MEP Rough-In Lev 1 Seq 07-11	9	16-Apr-09	28-Apr-09	27
I141	MEP Rough-In Lev 1 Seq 12-17	6	29-Apr-09	06-May-09	36
I142	Permanent HVAC System	0		06-May-09	111
I143	Drywall Lev 1 Seq 01-6	9	08-May-09	20-May-09	11
I144	Drywall Lev 1 Seq 07-11	12	21-May-09	05-Jun-09	11
I145	Paint Lev 1 Seq 01-6	6	29-May-09	05-Jun-09	11
I146	Drywall Lev 1 Seq 12-17	9	08-Jun-09	18-Jun-09	14
I147	Paint Lev 1 Seq 07-11	9	08-Jun-09	18-Jun-09	11
I148	Ceiling Grid Lev 1 Seq 01-6	5	15-Jun-09	19-Jun-09	9
I149	Paint Lev 1 Seq 12-17	6	19-Jun-09	26-Jun-09	14
I150	Ceiling Grid Lev 1 Seq 07-11	5	22-Jun-09	26-Jun-09	10
I151	Light Fixtures & GRDs Lev 1 Seq 01-6	5	22-Jun-09	26-Jun-09	9
I152	Ceiling Grid Lev 1 Seq 12-17	5	29-Jun-09	03-Jul-09	14
I153	Light Fixtures & GRDs Lev 1 Seq 07-11	5	29-Jun-09	03-Jul-09	10
I154	Millwork Lev 1 Seq 01-6	6	02-Jul-09	09-Jul-09	6
I155	Light Fixtures & GRDs Lev 1 Seq 12-17	5	06-Jul-09	10-Jul-09	14
I156	Millwork Lev 1 Seq 07-11	6	10-Jul-09	17-Jul-09	6
I157	Hang Doors Lev 1 Seq 01-6	3	15-Jul-09	17-Jul-09	6
I158	Millwork Lev 1 Seq 12-17	6	20-Jul-09	27-Jul-09	9
I159	Hang Doors Lev 1 Seq 07-11	6	20-Jul-09	27-Jul-09	6
I160	Hang Doors Lev 1 Seq 12-17	3	28-Jul-09	30-Jul-09	9
I161	Floor Finishes Lev 1 Seq 01-6	6	28-Jul-09	04-Aug-09	0
I162	Floor Finishes Lev 1 Seq 07-11	6	05-Aug-09	12-Aug-09	0
I163	Floor Finishes Lev 1 Seq 12-17	6	13-Aug-09	20-Aug-09	0
Completion & Closeout		64	13-Jul-09	08-Oct-09	0
A109	Testing & Air Balancing	12	13-Jul-09	28-Jul-09	49
A110	Substantial Completion	0		20-Aug-09	0
A111	Punchlist	28	21-Aug-09	29-Sep-09	0
A112	Owner Move-In	10	25-Sep-09	08-Oct-09	0



Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

Shane Goodman - Thesis Report

TASK filter: All Activities

© Primavera Systems, Inc.