

Act ID	Description	Orig Dur	Early Start	Early Finish	2009												2010												2011												2012											
					MA	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	J	A	S	O	N	D	J	F	M	A	M											
Design / Preconstruction - Airport Site																																																				
Programming / Schematic Design																																																				
1270	Schematic Design & Precon - Airport Site	200d	24AUG05 A	23AUG06 A																																																
Design Development																																																				
1260	Design Development & Precon - Airport Site	200d	24AUG06 A	23AUG07 A																																																
Design / Preconstruction - Skyco Site																																																				
Programming / Schematic Design																																																				
1000	Programming / Schematic Design	122d	01MAY09 A	31AUG09 A	■ Programming / Schematic Design																																															
1010	State Review - Submit SD to SCO	31d	31AUG09 A	01OCT09 A	■ State Review - Submit SD to SCO																																															
1020	CM Prepare and Submit SD Estimate	31d	14SEP09 A	16OCT09 A	■ CM Prepare and Submit SD Estimate																																															
Design Development																																																				
1030	100% DD Development	110d	01SEP09 A	10FEB10 A	■ 100% DD Development																																															
1040	Geotechnical Contract	46d	16OCT09 A	19NOV09 A	■ Geotechnical Contract																																															
1032	Modify Bldg Envelope Design (Fragnet)	0	20NOV09 A	07JAN10 A	■ Modify Bldg Envelope Design (Fragnet)																																															
1035	CM Prepare and Submit DD Estimate	28d	10FEB10 A	05MAR10 A	■ CM Prepare and Submit DD Estimate																																															
1060	State Review - Submit DD to SCO	30d	10FEB10 A	12MAR10 A	■ State Review - Submit DD to SCO																																															
1065	DD Brainstorming Session	0	22MAR10 A		◆ DD Brainstorming Session																																															
1067	DD Written Cost Study Analysis	14d	22MAR10 A	05APR10 A	■ DD Written Cost Study Analysis																																															
1080	CM Pro / Con Evaluation of DD Cost Studies	14d	22MAR10 A	05APR10 A	■ CM Pro / Con Evaluation of DD Cost Studies																																															
1090	Formal Presentation of DD Cost Studies	0	06APR10 A		◆ Formal Presentation of DD Cost Studies																																															
Construction Documents																																																				
1100	50% Construction Documents	35d	10FEB10 A	16APR10	■ 50% Construction Documents																																															
1110	50% CD Value Analysis Study	14d	16APR10	30APR10	■ 50% CD Value Analysis Study																																															
1120	90% Construction Documents	51d	16APR10	06JUN10	■ 90% Construction Documents																																															
1130	90% CD Value Analysis Study	14d	06JUN10	20JUN10	■ 90% CD Value Analysis Study																																															
1150	100% Construction Documents	34d	06JUN10	11JUL10	■ 100% Construction Documents																																															
1160	State Review - Submit 100% CD to SCO	60d	11JUL10	09SEP10	■ State Review - Submit 100% CD to SCO																																															
1170	Revisions to Construction Docs	14d	09SEP10	23SEP10	■ Revisions to Construction Docs																																															
1180	State Review - Final Approval	14d	23SEP10	07OCT10	■ State Review - Final Approval																																															
GMP																																																				
1190	Prepare GMP	30d	23SEP10	23OCT10	■ Prepare GMP																																															
1200	Submit GMP (on or before)	0		23OCT10	◆ Submit GMP (on or before)																																															
1210	SCO Prepare Construction Contract	30d	23OCT10	22NOV10	■ SCO Prepare Construction Contract																																															
Civil Permits																																																				
1240	Early Site Package Decision by CSI	0	30NOV09 A		◆ Early Site Package Decision by CSI																																															
1253	SCO Authorization to Proceed with Early Site	1d	30NOV09 A	19JAN10 A	■ SCO Authorization to Proceed with Early Site																																															
1050	Transfer Environmental Permits to State	30d	15DEC09 A	30MAR10 A	■ Transfer Environmental Permits to State																																															
1243	Early Site Package (Alb & Ass / CAMA)	90d	19JAN10 A	20APR10	■ Early Site Package (Alb & Ass / CAMA)																																															
1263	Submit Civil Plans to Dare Co. Planning Bd	0		15FEB10 A	◆ Submit Civil Plans to Dare Co. Planning Bd																																															

Start date	01MAY09
Finish date	20AUG12
Data date	06APR10
Run date	13APR10
Page number	1A
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**The Whiting-Turner Contracting Co.
Coastal Studies Institute**

Work Breakdown Structure

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

Act ID	Description	Orig Dur	Early Start	Early Finish	2009												2010												2011												2012											
					MA 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 J A S O N D J F M A M												MA J J A S O N D J F M A M J J A S O N D J F M A M												MA J J A S O N D J F M A M J J A S O N D J F M A M												MA J J A S O N D J F M A M J J A S O N D J F M A M											
1273	Plan Board Review of Civil Plans	0		08MAR10 A	◆ Plan Board Review of Civil Plans																																															
1283	Board of Commissioners Review of Civil Plans	0		05APR10 *	◆ Board of Commissioners Review of Civil Plans																																															
1140	Express Review - CAMA Major Permit	50d	06APR10 A	25MAY10	■ Express Review - CAMA Major Permit																																															
1250	SCO Review Early Site Package	40d	20APR10	30MAY10	■ SCO Review Early Site Package																																															
Bid & Award																																																				
1218	Early Site Package (ESP) Advertise & Bid	30d	30MAY10	29JUN10	■ Early Site Package (ESP) Advertise & Bid																																															
1219	ESP - Bulkheads & Canal Grading	100d	29JUN10	08OCT10	■ ESP - Bulkheads & Canal Grading																																															
1220	NTP / Construction Start	0	22NOV10		◆ NTP / Construction Start																																															
Construction - Sitework, Site Utilities & Marina																																																				
Sitework & Site Utilities																																																				
1280	Establish Sediment & Erosion Control	10d	22NOV10	02DEC10	■ Establish Sediment & Erosion Control																																															
1290	Clear & Grub Site	10d	02DEC10	12DEC10	■ Clear & Grub Site																																															
1300	Perform Site Grading	25d	12DEC10	07JAN11	■ Perform Site Grading																																															
1310	Bring Building Pads to Elevation	10d	13DEC10	23DEC10	■ Bring Building Pads to Elevation																																															
1330	Install Site Stormwater Piping	25d	07JAN11	01FEB11	■ Install Site Stormwater Piping																																															
1360	Install Stone Base for Site Roads	20d	07JAN11	27JAN11	■ Install Stone Base for Site Roads																																															
1400	Install Bulkheads at Canal	25d	07JAN11	01FEB11	■ Install Bulkheads at Canal																																															
1340	Install Site Sanitary Sewer Piping	25d	01FEB11	26FEB11	■ Install Site Sanitary Sewer Piping																																															
1390	Install Underground Cistern	15d	01FEB11	16FEB11	■ Install Underground Cistern																																															
1410	Install Mooring Piles and Docks	25d	01FEB11	26FEB11	■ Install Mooring Piles and Docks																																															
1320	Install Site Water Service	25d	26FEB11	23MAR11	■ Install Site Water Service																																															
1350	Install Site Wastewater Treatment Plant	60d	26FEB11	27APR11	■ Install Site Wastewater Treatment Plant																																															
1370	Install Site Hardscape	80d	27AUG11	15NOV11	■ Install Site Hardscape																																															
1420	Install Jib Crane at Dock	15d	15NOV11	30NOV11	■ Install Jib Crane																																															
1430	Install Pump Station at Dock	15d	15NOV11	30NOV11	■ Install Pump Station																																															
1440	Install Fueling Station at Dock	10d	15NOV11	25NOV11	■ Install Fueling Station																																															
1380	Install Landscaping	40d	09APR12 *	01JUN12	■ Install Landscaping																																															
Construction - Research Building																																																				
Foundations																																																				
1450	Install Compacted Aggregate Piers	30d	23DEC10	23JAN11	■ Install Compacted Aggregate Piers																																															
1460	Install Concrete Foundations & Retaining Walls	25d	23JAN11	17FEB11	■ Install Concrete Foundations & Retaining Walls																																															
Superstructure																																																				
1470	Install Slab On Grade	10d	17FEB11	27FEB11	■ Install Slab On Grade																																															
1480	Pour Concrete Superstructure	180d	27FEB11	27AUG11	■ Pour Concrete Superstructure																																															
2990	Install Masonry Walls - 1st Floor	10d	27FEB11	09MAR11	■ Install Masonry Walls - 1st Floor																																															
1482	Pour Concrete Stairs	25d	28MAY11	22JUN11	■ Pour Concrete Stairs																																															
1510	Install Misc. Metals	20d	07AUG11	27AUG11	■ Install Misc. Metals																																															
2020	Install Masonry Elevator Shaft	10d	17AUG11	27AUG11	■ Install Masonry Elevator Shaft																																															
1490	Install Masonry Walls & Parapet	20d	27AUG11	16SEP11	■ Install Masonry Walls & Parapet																																															
1500	Install Structural Steel	10d	27AUG11	06SEP11	■ Install Structural Steel																																															

Start date	01MAY09
Finish date	20AUG12
Data date	06APR10
Run date	13APR10
Page number	2A
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■	Early bar
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■	Critical bar
—	Summary bar
◆	Start milestone point
◆	Finish milestone point

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					MA 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 J A S O N D J F M A M												MA J J A S O N D J F M A M J J A S O N D J F M A M												MA 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 F M A M												
1850	Install Switchgear	25d	14FEB12	14MAR12																																																	Install
1761	Install Above Ceiling Sprinkler	20d	29FEB12	28MAR12																																																	Install
1860	Install Electrical Sub Panels & Transformers	25d	14MAR12	18APR12																																																	Inst
1880	Trim Out Electrical Room	15d	14MAR12	04APR12																																																	Trim
1762	Install Above Ceiling Tele - Data	20d	28MAR12	25APR12																																																	Ins
1776	Sprinkler Trim Out	5d	06APR12	13APR12																																																	Spr
1764	Plumbing Trim Out	21d	25APR12	24MAY12																																																	P
1766	Electric Trim Out	21d	25APR12	24MAY12																																																	E
1768	HVAC Trim Out	21d	25APR12	24MAY12																																																	H
1769	Tele - Data Trim Out	21d	25APR12	24MAY12																																																	
1786	Fire Alarm Trim Out	10d	24MAY12	07JUN12																																																	
1900	Install Data Center Racks	10d	24MAY12	07JUN12																																																	
3520	Complete Controls	21d	24MAY12	22JUN12																																																	
2150	Perform Testing Adjusting & Balancing	40d	22JUN12	20AUG12																																																	
Finishes and Fit-Out																																																					
2030	Stain / Seal Concrete	5d	27AUG11	01SEP11																																																	Stain / Seal Concrete
1916	Install Interior Metal Studs	25d	26SEP11	21OCT11																																																	Install Interior Metal
1910	Install In-Wall Insulation	10d	10JAN12	20JAN12																																																	Install In-W
2140	Install Wood Blocking	5d	10JAN12	15JAN12																																																	Install Wood
1920	Install Interior Drywall	25d	20JAN12	14FEB12																																																	Install Int
1930	Mud & Finish Interior Drywall	25d	14FEB12	14MAR12																																																	Mud &
2130	Install Ornamental Metals	10d	14FEB12	24FEB12																																																	Install O
1950	Install Acoustical Ceiling Grid	20d	29FEB12	28MAR12																																																	Install
1960	Paint Prime Coat	15d	14MAR12	04APR12																																																	Paint
1940	Install Drywall Ceilings & Finish	20d	28MAR12	25APR12																																																	Ins
2980	Install Acoustical Ceiling Tile	7d	28MAR12	06APR12																																																	Insta
2110	Install Elevators	25d	19APR12	24MAY12																																																	I
1990	Install Tile at Restrooms	10d	25APR12	09MAY12																																																	In
2000	Install Epoxy Flooring at Labs	10d	25APR12	09MAY12																																																	In
2010	Install Carpet	10d	25APR12	09MAY12																																																	In
2040	Install VCT & Rubber Base	5d	25APR12	02MAY12																																																	Ins
1970	Paint Finish Coats	15d	09MAY12	30MAY12																																																	
1980	Install Casework	20d	30MAY12	27JUN12																																																	
2050	Install Toilet Partitions	5d	30MAY12	06JUN12																																																	
2060	Install Signage	5d	30MAY12	06JUN12																																																	
2070	Install Marker Boards & Tack Boards	5d	30MAY12	06JUN12																																																	
2080	Install Projectors & Projection Screens	5d	30MAY12	06JUN12																																																	
2090	Install Window Treatment	10d	30MAY12	13JUN12																																																	
2100	Install Controlled Environmental Room	2d	30MAY12	01JUN12																																																	
2120	Install Interior Caulking	5d	20JUN12	27JUN12																																																	

Start date	01MAY09
Finish date	20AUG12
Data date	06APR10
Run date	13APR10
Page number	4A
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Work Breakdown Structure

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					MA	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	J	A	S	O	N	D	J	F	M	A	M												
Commissioning					<ul style="list-style-type: none"> ■ SD / DD Design Review of PM&E Systems ■ CD Design Review of PM&E System <ul style="list-style-type: none"> ◆ Construction Kick-Off Meeting ■ Commission Wastewater Treatment 																																																
2160	SD / DD Design Review of PM&E Systems	15d	22MAR10	A	08APR10																																																
2170	CD Design Review of PM&E System	15d	06MAY10		21MAY10																																																
2180	Construction Kick-Off Meeting	0	12DEC10																																																		
2190	Commission Wastewater Treatment Plant	5d	27APR11		02MAY11																																																
2230	Commission Thermal Envelope	10d	26OCT11		05NOV11																																																
2210	Commission Plumbing Systems	25d	24MAY12		28JUN12																																																
2220	Commission Electrical Systems	10d	24MAY12		07JUN12																																																
2200	Commission Mechanical System	30d	22JUN12		06AUG12																																																
Major Inspections					<ul style="list-style-type: none"> ◆ Underground Inspections ◆ In-Wall Inspections ◆ Building Dry-In ◆ Above Ceiling Inspections ◆ Elevator Inspections - DOL ◆ Life Safety Inspections ◆ Mechanical Systems Inspection - DOL ◆ State Construction Office Final Inspections 																																																
2260	Underground Inspections	0			03JAN11																																																
2270	In-Wall Inspections	0			30NOV11																																																
3810	Building Dry-In	0			10JAN12																																																
2280	Above Ceiling Inspections	0			28MAR12																																																
2290	Elevator Inspections - DOL	0			24MAY12																																																
2250	Life Safety Inspections	0			07JUN12																																																
2300	Mechanical Systems Inspection - DOL	0			22JUN12																																																
2310	State Construction Office Final Inspections	0			20AUG12																																																
Training, Punchlist & Completion					<ul style="list-style-type: none"> ■ Submit 																																																
2340	Submit Operation & Maintenance Manuals	35d	30JAN12		07MAR12																																																
2320	Certificate of Occupancy	0			07JUN12																																																
2350	Perform Owner Training	15d	22JUN12		16JUL12																																																
2240	Punchlist	30d	27JUN12		09AUG12																																																
2330	Project Complete	0			20AUG12																																																
Construction - Marine Service Building																																																					
Foundations					<ul style="list-style-type: none"> ■ Install Concrete Foundations ■ Install Masonry Foundations 																																																
1640	Install Concrete Foundations	21d	23DEC10		14JAN11																																																
2410	Install Masonry Foundations	14d	14JAN11		28JAN11																																																
Superstructure					<ul style="list-style-type: none"> ■ Install Concrete Superstructure ■ Install Slab on Grade ■ Install Masonry Walls ■ Install Steel Superstructure 																																																
2360	Install Concrete Superstructure	28d	14JAN11		11FEB11																																																
2370	Install Slab on Grade	10d	28JAN11		07FEB11																																																
2380	Install Masonry Walls	15d	28JAN11		12FEB11																																																
2390	Install Steel Superstructure	14d	11FEB11		25FEB11																																																
Building Envelope					<ul style="list-style-type: none"> ■ Install Exterior Metal Stud Framing ■ Install Wood Blocking at Roof ■ Install Single Ply Roofing ■ Install Exterior Sheathing (Densglass) ■ Install Exterior Air Barrier ■ Install Curtainwall Glazing 																																																
2400	Install Exterior Metal Stud Framing	21d	25FEB11		18MAR11																																																
2500	Install Wood Blocking at Roof	5d	25FEB11		02MAR11																																																
3820	Install Single Ply Roofing	21d	25FEB11		18MAR11																																																
2440	Install Exterior Sheathing (Densglass)	14d	18MAR11		01APR11																																																
2450	Install Exterior Air Barrier	14d	01APR11		15APR11																																																
2480	Install Curtainwall Glazing	14d	15APR11		29APR11																																																

Start date	01MAY09
Finish date	20AUG12
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Page number	5A
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2580	Install Drywall Ceilings	7d	13MAY11	20MAY11																																																	■ Install Drywall Ceilings
2590	Install Acoustical Ceiling Grid	7d	13MAY11	20MAY11																																																	■ Install Acoustical Ceiling Grid
2610	Paint Finish Coats	7d	20MAY11	27MAY11																																																	■ Paint Finish Coats
3830	Install Acoustical Ceiling Tile	3d	20MAY11	23MAY11																																																	■ Install Acoustical Ceiling Tile
2620	Install Casework	3d	27MAY11	30MAY11																																																	■ Install Casework
2630	Install Tile at Restrooms	5d	27MAY11	01JUN11																																																	■ Install Tile at Restrooms
2670	Install Signage	2d	27MAY11	29MAY11																																																	■ Install Signage
2910	Install Window Treatment	5d	27MAY11	01JUN11																																																	■ Install Window Treatment
2680	Install Interior Caulking	2d	30MAY11	01JUN11																																																	■ Install Interior Caulking
2660	Install Toilet Partitions	2d	01JUN11	03JUN11																																																	■ Install Toilet Partitions
Commissioning																																																					
3000	SD / DD Design Review of PM&E Systems	15d	29MAR10 A	17APR10																																																	■ SD / DD Design Review of PM&E Systems
3010	CD Design Review of PM&E System	15d	06MAY10	21MAY10																																																	■ CD Design Review of PM&E System
3070	Commission Thermal Envelope	7d	15APR11	22APR11																																																	■ Commission Thermal Envelope
3040	Commission Mechanical System	7d	20MAY11	27MAY11																																																	■ Commission Mechanical System
3050	Commission Plumbing Systems	7d	27MAY11	03JUN11																																																	■ Commission Plumbing Systems
3060	Commission Electrical Systems	7d	27MAY11	03JUN11																																																	■ Commission Electrical Systems
Major Inspections																																																					
3090	Underground Inspections	0		21JAN11																																																	◆ Underground Inspections
3100	In-Wall Inspections	0		08APR11																																																	◆ In-Wall Inspections
3840	Building Dry-In	0		29APR11																																																	◆ Building Dry-In
3110	Above Ceiling Inspections	0		20MAY11																																																	◆ Above Ceiling Inspections
3080	Life Safety Inspections	0		27MAY11																																																	◆ Life Safety Inspections
3130	Mechanical Systems Inspection - DOL	0		27MAY11																																																	◆ Mechanical Systems Inspection
3140	State Construction Office Final Inspections	0		13JUN11																																																	◆ State Construction Office Final Inspections
Training, Punchlist & Completion																																																					
3180	Submit Operation & Maintenance Manuals	35d	08APR11	13MAY11																																																	■ Submit Operation & Maintenance Manuals
3160	Certificate of Occupancy	0		27MAY11																																																	◆ Certificate of Occupancy
3190	Perform Owner Training	14d	03JUN11	17JUN11																																																	■ Perform Owner Training
3150	Punchlist	21d	13JUN11	05JUL11																																																	■ Punchlist
3170	Project Complete	0		05JUL11																																																	◆ Project Complete
Construction - Residential Buildings																																																					
Foundations																																																					
3200	Install Compacted Aggregate Piers	21d	23JAN11	13FEB11																																																	■ Install Compacted Aggregate Piers
3210	Install Concrete Foundations & Retaining Walls	28d	13FEB11	13MAR11																																																	■ Install Concrete Foundations & Retaining Walls
Superstructure																																																					
3220	Install Slab On Grade	10d	27MAR11	06APR11																																																	■ Install Slab On Grade
3230	Pour Concrete Superstructure	21d	06APR11	27APR11																																																	■ Pour Concrete Superstructure
3250	Install CMU Stair & Elevator Shaft	40d	27APR11	06JUN11																																																	■ Install CMU Stair & Elevator Shaft

Start date	01MAY09
Finish date	20AUG12
Data date	06APR10
Run date	13APR10
Page number	7A
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3270	Install Wood Superstructure	90d	27APR11	27JUL11	Install Wood Superstructure																																															
2430	Install Pan Stairs	7d	06JUN11	13JUN11	Install Pan Stairs																																															
3240	Pour Concrete Pan Stairs	7d	13JUN11	20JUN11	Pour Concrete Pan Stairs																																															
3260	Erect Structural Steel	14d	13JUL11	27JUL11	Erect Structural Steel																																															
Building Envelope					Building Envelope																																															
3380	Waterproof Elevator Pit	3d	10MAR11	13MAR11	Waterproof Elevator Pit																																															
3280	Install Exterior Sheathing	30d	27JUL11	26AUG11	Install Exterior Sheathing																																															
3350	Install Standing Seam Roofing	14d	27JUL11	10AUG11	Install Standing Seam Roofing																																															
3360	Install Single Ply Roofing	14d	27JUL11	10AUG11	Install Single Ply Roofing																																															
3370	Waterproof Exterior Elevated Floors	7d	27JUL11	03AUG11	Waterproof Exterior Elevated Floors																																															
3290	Install Exterior Air Barrier	14d	26AUG11	09SEP11	Install Exterior Air Barrier																																															
3300	Install Exterior Wood Siding	45d	09SEP11	24OCT11	Install Exterior Wood Siding																																															
3310	Install Exterior Fiber Cement Siding	45d	09SEP11	24OCT11	Install Exterior Fiber Cement Siding																																															
3320	Install Storefront Glazing	28d	09SEP11	07OCT11	Install Storefront Glazing																																															
3330	Install Exterior Caulking	14d	23SEP11	07OCT11	Install Exterior Caulking																																															
3340	Install Exterior Doors & Frames	14d	23SEP11	07OCT11	Install Exterior Doors & Frames																																															
Plumbing, Mechanical & Electrical					Plumbing, Mechanical & Electrical																																															
3600	Install Underslab Drain Waste & Vent	14d	13MAR11	27MAR11	Install Underslab Drain Waste & Vent																																															
3610	Install Underslab Water Lines	14d	13MAR11	27MAR11	Install Underslab Water Lines																																															
3620	Install Underslab Electric	14d	13MAR11	27MAR11	Install Underslab Electric																																															
3660	Install Above Ceiling Plumbing	14d	23SEP11	07OCT11	Install Above Ceiling Plumbing																																															
3680	Install Above Ceiling HVAC	14d	23SEP11	07OCT11	Install Above Ceiling HVAC																																															
3690	Install Above Ceiling Sprinkler	14d	23SEP11	07OCT11	Install Above Ceiling Sprinkler																																															
3700	Install Above Ceiling Tele - Data	14d	23SEP11	07OCT11	Install Above Ceiling Tele - Data																																															
3630	Install In-Wall Plumbing	21d	07OCT11	28OCT11	Install In-Wall Plumbing																																															
3640	Install In-Wall Electric	21d	07OCT11	28OCT11	Install In-Wall Electric																																															
3650	Install In-Wall Tele - Data	21d	07OCT11	28OCT11	Install In-Wall Tele - Data																																															
3750	Install Cistern Pumps / Valves / Treatment	14d	07OCT11	21OCT11	Install Cistern Pumps / Valves / Treatment																																															
3760	Install Switchgear	10d	07OCT11	17OCT11	Install Switchgear																																															
3770	Install Electrical Sub Panels & Transformers	21d	07OCT11	28OCT11	Install Electrical Sub Panels & Transformers																																															
3780	Trim Out Mechanical Rooms	14d	07OCT11	21OCT11	Trim Out Mechanical Rooms																																															
3790	Trim Out Electrical Room	14d	07OCT11	21OCT11	Trim Out Electrical Room																																															
3670	Install Above Ceiling Electric	14d	28OCT11	11NOV11	Install Above Ceiling Electric																																															
3740	Tele - Data Trim Out	14d	09DEC11	23DEC11	Tele - Data Trim Out																																															
3720	Electric Trim Out	14d	12DEC11	26DEC11	Electric Trim Out																																															
3710	Plumbing Trim Out	14d	16DEC11	30DEC11	Plumbing Trim Out																																															
3730	HVAC Trim Out	14d	16DEC11	30DEC11	HVAC Trim Out																																															
3850	Fire Alarm Trim Out	14d	19DEC11	03JAN12	Fire Alarm Trim Out																																															
3800	Perform Testing Adjusting & Balancing	28d	30DEC11	28JAN12	Perform Testing Adjusting & Balancing																																															
Finishes and Fit-Out					Finishes and Fit-Out																																															

Start date	01MAY09
Finish date	20AUG12
Data date	06APR10
Run date	13APR10
Page number	8A
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Coastal Studies Institute
Work Breakdown Structure

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

Act ID	Description	Orig Dur	Early Start	Early Finish	2009												2010												2011												2012											
					M A 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 J A S O N D J F M A M												M A J J A S O N D J F M A M J J A S O N D J F M A M												M A J J A S O N D J F M A M J J A S O N D J F M A M												M A J J A S O N D J F M A M J J A S O N D J F M A M											
3480	Stain / Seal Concrete	7d	06APR11	13APR11	█ Stain / Seal Concrete																																															
3410	Install Drywall Ceilings	21d	07OCT11	28OCT11	█ Install Drywall Ceilings																																															
3400	Install Interior Drywall	21d	28OCT11	18NOV11	█ Install Interior Drywall																																															
3570	Install Elevators	40d	28OCT11	07DEC11	█ Install Elevators																																															
3390	Install In-Wall Insulation	10d	08NOV11	18NOV11	█ Install In-Wall Insulation																																															
3420	Mud & Finish Interior Drywall	21d	18NOV11	09DEC11	█ Mud & Finish Interior Drywall																																															
3440	Paint Prime Coat	7d	09DEC11	16DEC11	█ Paint Prime Coat																																															
3450	Paint Finish Coats	14d	09DEC11	23DEC11	█ Paint Finish Coats																																															
3470	Install Tile at Restrooms	21d	16DEC11	07JAN12	█ Install Tile at Restrooms																																															
3510	Install Interior Caulking	7d	16DEC11	23DEC11	█ Install Interior Caulking																																															
3530	Install VCT & Rubber Base	14d	16DEC11	30DEC11	█ Install VCT & Rubber Base																																															
3460	Install Casework	7d	23DEC11	30DEC11	█ Install Casework																																															
3490	Install Toilet Partitions	7d	23DEC11	30DEC11	█ Install Toilet Partitions																																															
3500	Install Signage	3d	23DEC11	26DEC11	█ Install Signage																																															
3540	Install Window Treatment	7d	23DEC11	30DEC11	█ Install Window Treatment																																															
3550	Install Kitchen Equipemnt	7d	23DEC11	30DEC11	█ Install Kitchen Equipemnt																																															
3560	Install Laundry Equipment	7d	23DEC11	30DEC11	█ Install Laundry Equipment																																															
Commissioning																																																				
5000	SD / DD Design Review of PM&E Systems	15d	29MAR10 A	17APR10	█ SD / DD Design Review of PM&E Systems																																															
5010	CD Design Review of PM&E System	15d	06MAY10	21MAY10	█ CD Design Review of PM&E System																																															
5050	Commission Thermal Envelope	7d	09SEP11	16SEP11	█ Commission Thermal Envelope																																															
5040	Commission Electrical Systems	7d	26DEC11	03JAN12	█ Commission Electrical Systems																																															
5020	Commission Mechanical System	7d	30DEC11	07JAN12	█ Commission Mechanical System																																															
5030	Commission Plumbing Systems	7d	30DEC11	07JAN12	█ Commission Plumbing Systems																																															
Major Inspections																																																				
4110	Underground Inspections	0		27MAR11	◇ Underground Inspections																																															
4170	Building Dry-In	0		07OCT11	◇ Building Dry-In																																															
4120	In-Wall Inspections	0		28OCT11	◇ In-Wall Inspections																																															
4130	Above Ceiling Inspections	0		11NOV11	◇ Above Ceiling Inspections																																															
4140	Elevator Inspections - DOL	0		07DEC11	◇ Elevator Inspections - DOL																																															
4150	Mechanical Systems Inspection - DOL	0		30DEC11	◇ Mechanical Systems Inspection - DOL																																															
4100	Life Safety Inspections	0		03JAN12	◇ Life Safety Inspections																																															
4160	State Construction Office Final Inspections	0		28JAN12	◇ State Construction Office Final Inspections																																															
Training, Punchlist & Completion																																																				
4010	Submit Operation & Maintenance Manuals	35d	28OCT11	02DEC11	█ Submit Operation & Maintenance Manuals																																															
3590	Certificate of Occupancy	0		03JAN12	◇ Certificate of Occupancy																																															
4020	Perform Owner Training	0		07JAN12	◇ Perform Owner Training																																															
3580	Punchlist	21d	28JAN12	18FEB12	█ Punchlist																																															
4000	Project Complete	0		18FEB12	◇ Project Complete																																															

Construction - Boat Storage

Start date	01MAY09
Finish date	20AUG12
Data date	06APR10
Run date	13APR10
Page number	9A
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Coastal Studies Institute

Work Breakdown Structure

- █ Early bar
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- ◇ Start milestone point
- ◇ Finish milestone point

Act ID	Description	Orig Dur	Early Start	Early Finish	2009												2010												2011												2012			
					M	A	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	J	A	S	O	N	D	J	F	M	A	M		
Foundations																													■ Install Concrete Foundations															
2420	Install Concrete Foundations	14d	23DEC10	07JAN11																									■ Install Masonry Foundations															
2520	Install Masonry Foundations	7d	07JAN11	14JAN11																																								
Superstructure																													■ Install Masonry Walls															
2920	Install Masonry Walls	7d	14JAN11	21JAN11																									■ Install Wood Superstructure															
2930	Install Wood Superstructure	14d	21JAN11	04FEB11																									I Install Gravel Base															
2640	Install Gravel Base	3d	15FEB11	18FEB11																																								
Building Envelope																													■ Install Cedar Facade															
2940	Install Cedar Facade	14d	04FEB11	18FEB11																									■ Install Singly Ply Roofing															
2950	Install Singly Ply Roofing	14d	04FEB11	18FEB11																									■ Install Exterior Doors															
2960	Install Exterior Doors	14d	18FEB11	04MAR11																																								
Finishes and Fit-Out																																												
2970	Install Signage	2d	04MAR11	06MAR11																																					I Install Signage			

Start date	01MAY09
Finish date	20AUG12
Data date	06APR10
Run date	13APR10
Page number	10A
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