

Schematic Design Documents

PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT

CENTRAL LABORATORY COMPLEX

Project No. 133733

ROMP ROGER ROAD CAMPUS

Date: 23 April 2010



DRAWING INDEX

GENERAL

G-000 COVER SHEET / INDEX

ARCHITECTURAL

AS-101 ARCHITECTURAL SITE PLAN

A-101 ARCHITECTURAL COMPOSITE FLOOR PLAN LEVEL 1
 A-101A ARCHITECTURAL FLOOR PLAN LEVEL 1 - AREA A
 A-101B ARCHITECTURAL FLOOR PLAN LEVEL 1 - AREA B
 A-101C ARCHITECTURAL FLOOR PLAN LEVEL 1 - AREA C

AC-101 ARCHITECTURAL COMPOSITE REFLECTED CEILING PLAN LEVEL 1
 AC-101A ARCHITECTURAL REFLECTED CEILING PLAN LEVEL 1 - AREA A
 AC-101B ARCHITECTURAL REFLECTED CEILING PLAN LEVEL 1 - AREA B
 AC-101C ARCHITECTURAL REFLECTED CEILING PLAN LEVEL 1 - AREA C

A-201 ARCHITECTURAL BUILDING ELEVATIONS
 A-202 ARCHITECTURAL PARTIAL BUILDING ELEVATIONS

A-301 ARCHITECTURAL BUILDING SECTIONS
 A-310 ARCHITECTURAL WALL SECTIONS

A-901 ARCHITECTURAL 3D PRESENTATIONS
 A-902 ARCHITECTURAL 3D PRESENTATIONS
 A-903 ARCHITECTURAL 3D PRESENTATIONS

QL-1.1 ORGANICS LABS
 QL-1.2 MICROBIOLOGY LABS
 QL-1.3 INORGANICS LABS
 QL-1.4 INORGANICS LABS + WETT + TRAINING / R&D LABS
 QL-1.5 LAB SUPPORT (QC)

MECHANICAL

M-001 MECHANICAL SYMBOLS AND ABBREVIATIONS
 M-101 MECHANICAL COMPOSITE FLOORPLAN LEVEL 1
 M-101A MECHANICAL HVAC LEVEL 1 AREA A
 M-101B MECHANICAL HVAC LEVEL 1 AREA B
 M-101C MECHANICAL HVAC LEVEL 1 AREA C
 M-1R1 MECHANICAL COMPOSITE FLOOR PLAN ROOF LEVEL
 M-1R1B MECHANICAL HVAC ROOF LEVEL AREA B
 M-601 MECHANICAL CHILLED WATER SYSTEM FLOW DIAGRAM
 M-602 MECHANICAL CONDENSOR WATER SYSTEM FLOW DIAGRAM
 M-603 MECHANICAL HEATING HOT WATER FLOW DIAGRAM
 M-801 MECHANICAL EQUIPMENT SCHEDULES
 M-802 MECHANICAL EQUIPMENT SCHEDULES
 M-803 MECHANICAL EQUIPMENT SCHEDULES

P-001 PLUMBING SYMBOLS AND ABBREVIATIONS
 P-10U PLUMBING PIPING PLAN UNDERGROUND
 P-101 PLUMBING PIPING PLAN LEVEL 1

D-001 PROCESS SYMBOLS AND ABBREVIATIONS
 D-601 PROCESS FLOW DIAGRAM LABORATORY VACUUM SYSTEM
 D-602 PROCESS FLOW DIAGRAM LABORATORY VACUUM DISTRIBUTION
 D-603 PROCESS FLOW DIAGRAM LABORATORY WATER SYSTEM
 D-604 PROCESS FLOW DIAGRAM LABORATORY WATER DISTRIBUTION
 D-605 PROCESS FLOW DIAGRAM LABORATORY WASTE SYSTEM
 D-606 PROCESS FLOW DIAGRAM LABORATORY WASTE DISTRIBUTION
 D-607 PROCESS FLOW DIAGRAM HELIUM DISTRIBUTION
 D-608 PROCESS FLOW DIAGRAM NITROGEN DISTRIBUTION
 D-609 PROCESS FLOW DIAGRAM ARGON DISTRIBUTION
 D-801 PROCESS EQUIPMENT SCHEDULES

ELECTRICAL

E-001 ELECTRICAL SYMBOLS AND LEGENDS

EL-101 ELECTRICAL LIGHTING PLAN

EP-101 ELECTRICAL POWER PLAN

E-601 ELECTRICAL ONE LINE AND LOAD CALCULATION
 E-602 ELECTRICAL FIXTURE, FEEDER AND TRANSFORMER SCHEDULE



5210 E. Williams Circle 5th Floor



PROJECT FOR

PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT
CENTRAL LABORATORY COMPLEX
 ROMP ROGER ROAD CAMPUS



MARK	DATE	DESCRIPTION
A	04/23/10	SCHEMATIC DESIGN
PROJECT NUMBER		133733
ORIGINAL ISSUE		TBD
PROJECT MANAGER		William Wells
PROJECT DESIGNER		Angela Tana
PROJECT ARCHITECT		David Chargin
LANDSCAPE ARCHITECT		N.A.
CIVIL ENGINEER		N.A.
STRUCTURAL ENGINEER		Ron Schneider
MECHANICAL ENGINEER		Christopher Filler
ELECTRICAL ENGINEER		Alan Moore
INTERIOR DESIGNER		Heather Gardiner
EQUIPMENT PLANNER		Rick Hunter
DRAWN BY		Author

PRELIMINARY
 NOT FOR CONSTRUCTION

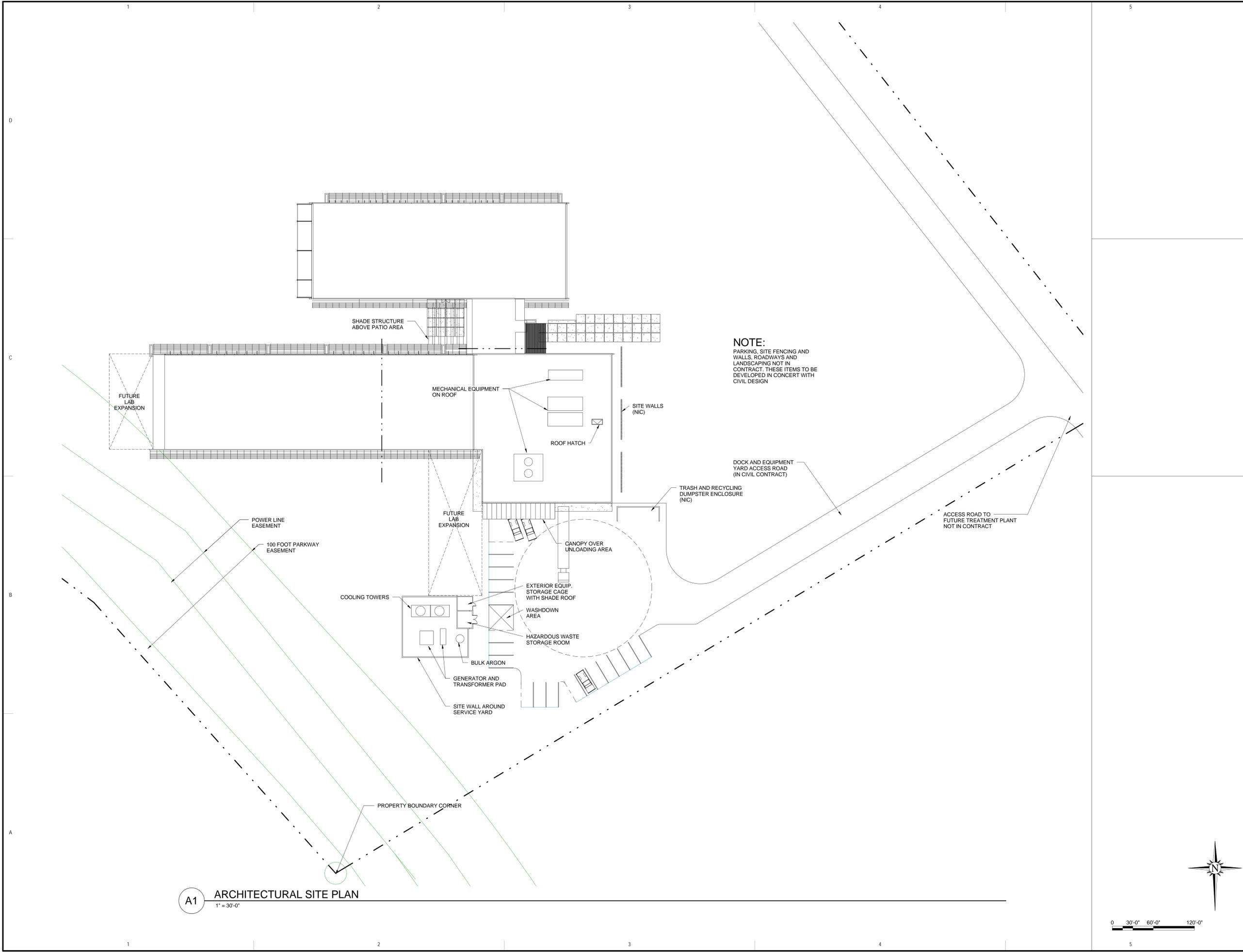
COVER SHEET

SCALE

G-000

SCHEMATIC DESIGN

C:\RVT\13733a-rompdc-bd-central-REVISION-1.dwg
4/22/2010 12:22:35 PM



NOTE:
PARKING, SITE FENCING AND WALLS, ROADWAYS AND LANDSCAPING NOT IN CONTRACT. THESE ITEMS TO BE DEVELOPED IN CONCERT WITH CIVIL DESIGN

A1 ARCHITECTURAL SITE PLAN
1" = 30'-0"



5210 E. Williams Circle 5th Floor



PROJECT FOR
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT

CENTRAL LABORATORY COMPLEX
ROMP ROGER ROAD CAMPUS



MARK	DATE	DESCRIPTION
A	04/23/10	SCHEMATIC DESIGN
PROJECT NUMBER		133733
ORIGINAL ISSUE		
PROJECT MANAGER	William Wells	
PROJECT DESIGNER	Angela Tana	
PROJECT ARCHITECT	David Chargin	
LANDSCAPE ARCHITECT	N.A.	
CIVIL ENGINEER	N.A.	
STRUCTURAL ENGINEER	Ron Schneider	
MECHANICAL ENGINEER	Christopher Filler	
ELECTRICAL ENGINEER	Alan Moore	
INTERIOR DESIGNER	Heather Gardiner	
EQUIPMENT PLANNER	Rick Hunter	
DRAWN BY	DPC	

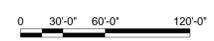
PRELIMINARY
NOT FOR CONSTRUCTION

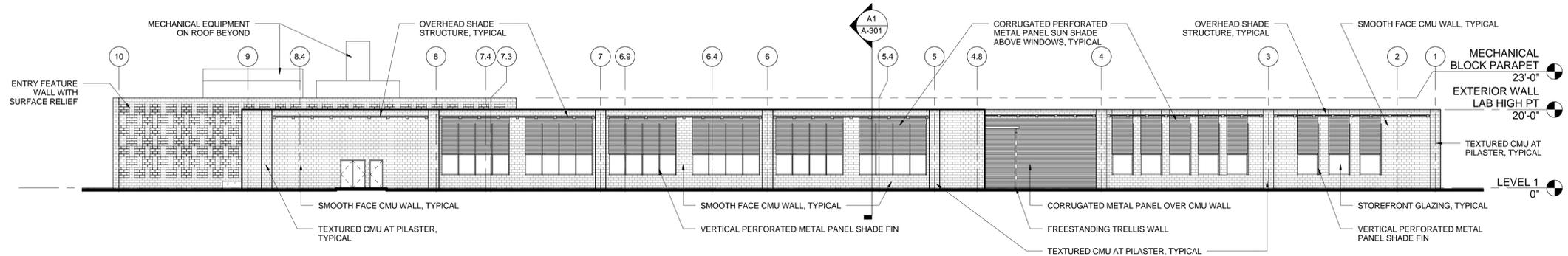
ARCHITECTURAL SITE PLAN

SCALE 1" = 30'-0"

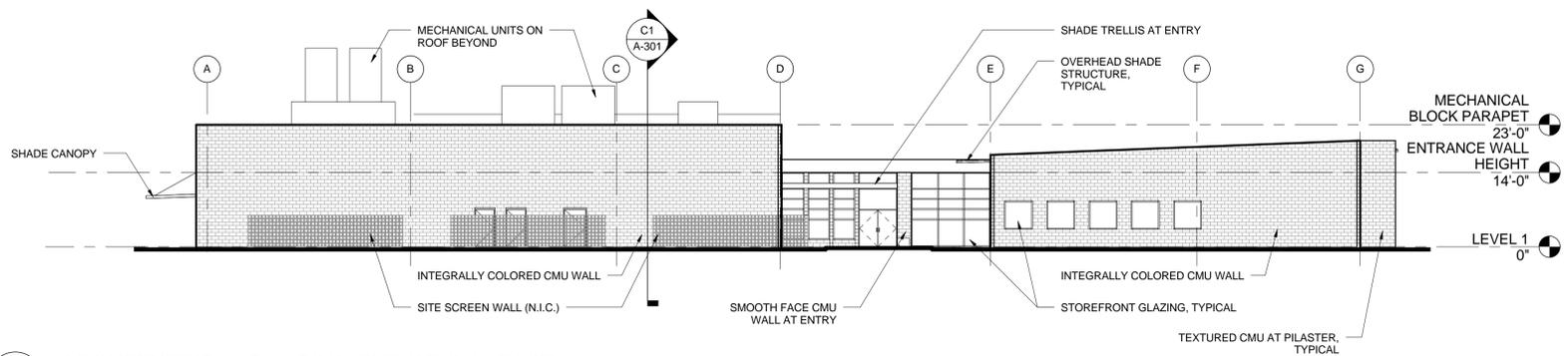
AS-101

SCHEMATIC DESIGN

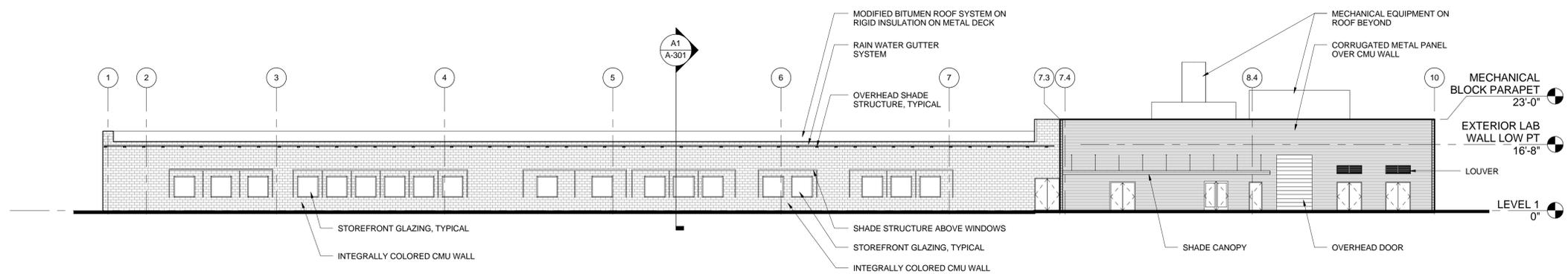




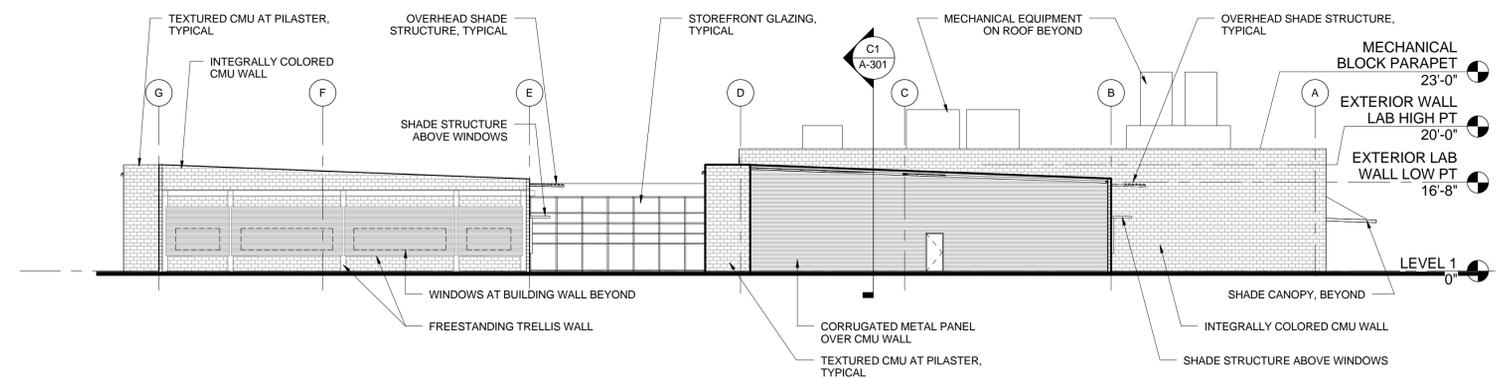
D1 ARCHITECTURAL BUILDING ELEVATION - NORTH
1/16" = 1'-0"



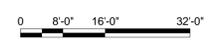
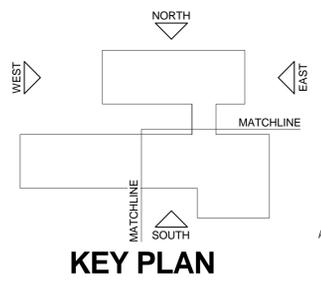
C2 ARCHITECTURAL BUILDING ELEVATION - EAST
1/16" = 1'-0"



B1 ARCHITECTURAL BUILDING ELEVATION - SOUTH
1/16" = 1'-0"



A2 ARCHITECTURAL BUILDING ELEVATION - WEST
1/16" = 1'-0"



5210 E. Williams Circle 5th Floor



PROJECT FOR
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT

CENTRAL LABORATORY COMPLEX
ROMP ROGER ROAD CAMPUS



MARK	DATE	DESCRIPTION
A	04/23/10	SCHEMATIC DESIGN
PROJECT NUMBER 133733		
ORIGINAL ISSUE 04/08/10		
PROJECT MANAGER William Walls		
PROJECT DESIGNER Angela Tana		
PROJECT ARCHITECT David Chargin		
LANDSCAPE ARCHITECT N.A.		
CIVIL ENGINEER N.A.		
STRUCTURAL ENGINEER Ron Schneider		
MECHANICAL ENGINEER Christopher Filler		
ELECTRICAL ENGINEER Alan Moore		
INTERIOR DESIGNER Heather Gardiner		
EQUIPMENT PLANNER Rick Hunter		
DRAWN BY Author		

PRELIMINARY
NOT FOR CONSTRUCTION

ARCHITECTURAL BUILDING ELEVATIONS

SCALE 1/16" = 1'-0"

A-201

SCHEMATIC DESIGN



MARK	DATE	DESCRIPTION
A	04/23/10	SCHEMATIC DESIGN
PROJECT NUMBER 133733		
ORIGINAL ISSUE 04/08/10		
PROJECT MANAGER William Walls		
PROJECT DESIGNER Angila Tana		
PROJECT ARCHITECT David Chargin		
LANDSCAPE ARCHITECT N.A.		
CIVIL ENGINEER N.A.		
STRUCTURAL ENGINEER Ron Schneider		
MECHANICAL ENGINEER Christopher Filler		
ELECTRICAL ENGINEER Alan Moore		
INTERIOR DESIGNER Heather Gardiner		
EQUIPMENT PLANNER Rick Hunter		
DRAWN BY Author		

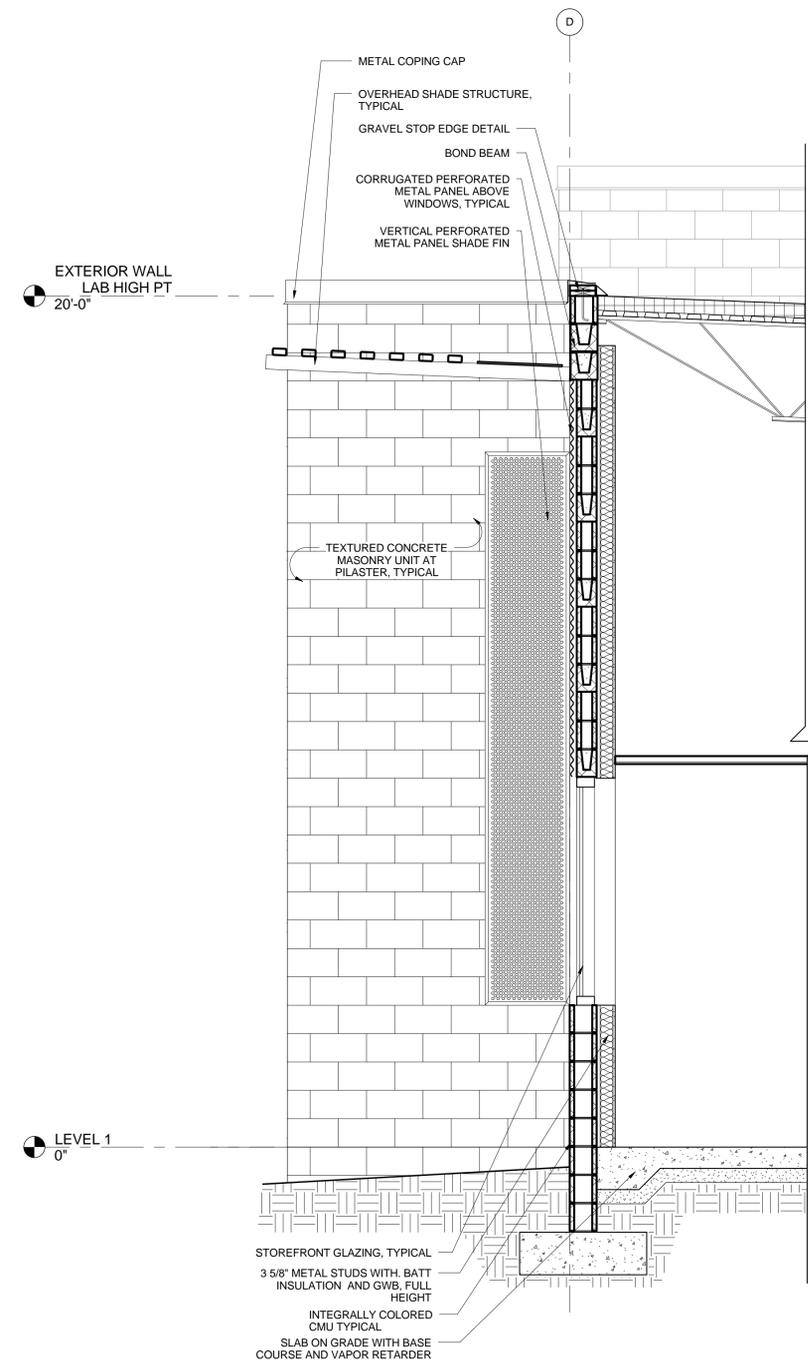
PRELIMINARY
NOT FOR CONSTRUCTION

**ARCHITECTURAL
WALL SECTIONS**

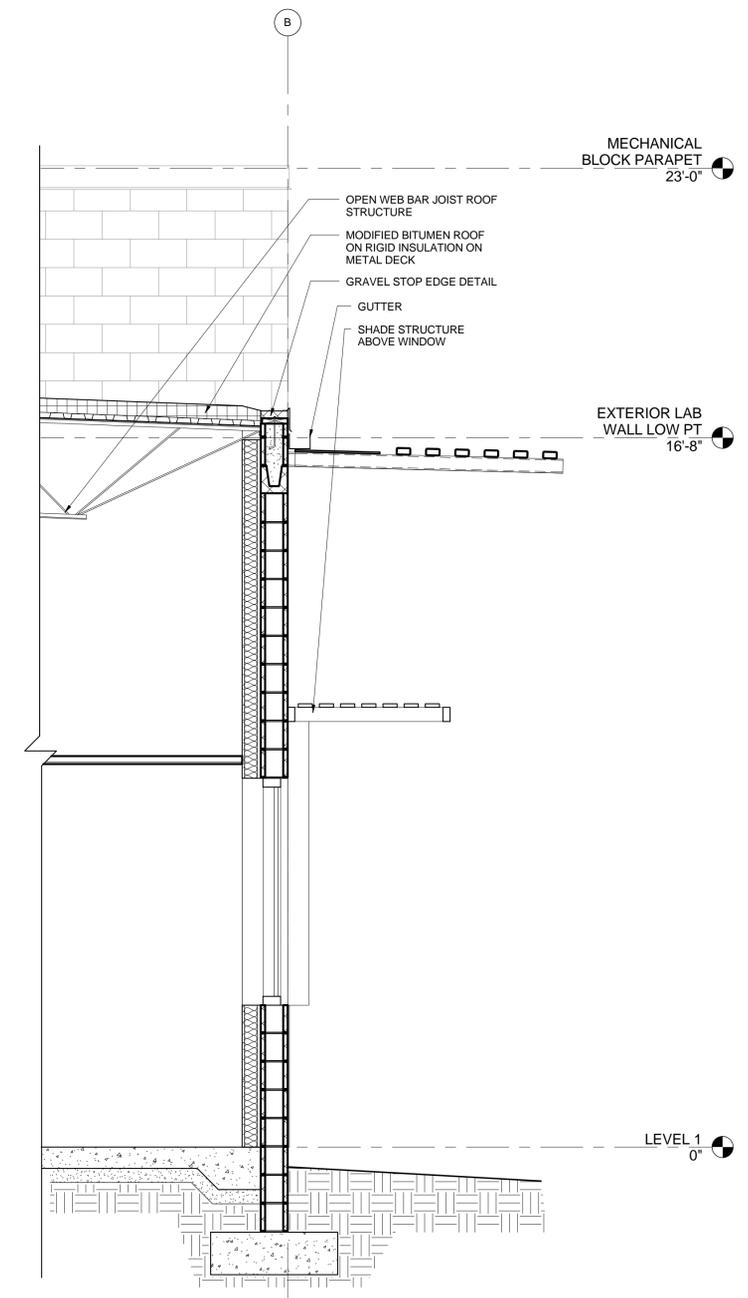
SCALE 1/2" = 1'-0"

A-310

SCHEMATIC DESIGN



A2 ARCHITECTURAL WALL SECTION A
1/2" = 1'-0"



A4 ARCHITECTURAL WALL SECTION B
1/2" = 1'-0"

