



PROJECT CHANGE APPROVAL

Name of Project: Energy Technology Facility Phase 1A
(High Bay Test Modules and Site Preparation)

Location of Project: University of Alaska Fairbanks

Project Number: 2010134 ETTM

Date of Request: November 17, 2010

Project Manager: Jenny Campbell
Sr. Project Manager

Total Project Cost:	\$4,700,000
Approval Required:	Project Change Approval
Prior Approvals/Actions:	Preliminary Administrative Approval: 03/12/09 Formal Project Approval: 09/25/09 Schematic Design Approval: 02/18/10

Reference Materials

1. ETF Project Summary of Events
2. One Page Budget
3. Floor Plan Layout
4. Site Plan

Energy Technology Facility Summary of Events
(\$'s in Millions)

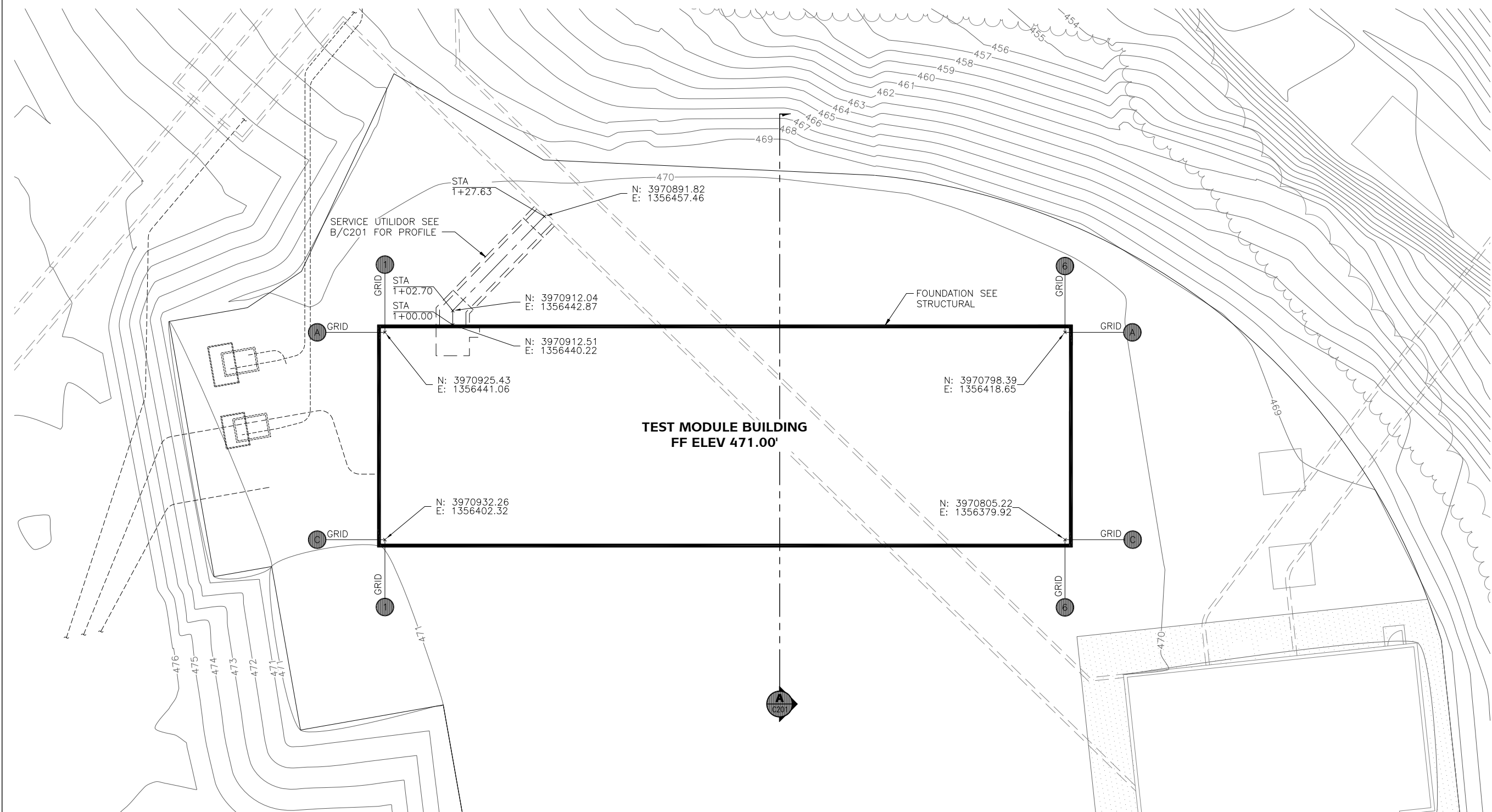
Events and Pricing	FY09	FY10			FY11	FY12	FY13
FY10 BOR Capital Budget Request	Nov. 2008						
Formal Project Agreement	March 2009						
Formal Project Approval		Sept. 2009					
Schematic Design Approval-Phase 1A, High Bay Test Modules		Feb. 2010					
State of Alaska Appropriation & BoR Acceptence		June 2010					
Phase 1A, Total Project Cost Increase Request				Dec. 2010			
Pursuing Private Giving		active	active	active	active	active	active
Phase 1A, High Bay Test Modules Complete					Dec. 2011		
Anticipate FY13 BOR Capital Budget Request							Nov. 2011
ETF Total Project Cost estimate	\$30.6	\$29.6	\$29.6	\$29.6	\$29.6 ⁺ⁱ		\$29.6 ^{+ix3}
ETF TPC funding plan							
UA Reciepts:	\$15.3	\$14.3	\$14.3	\$14.3	\$14.3		14.3 ⁺ⁱ
State Appropriations:	\$15.3	\$15.3	\$15.3	\$15.3	\$15.3		15.3 ⁺ⁱ
Phased Spending Plan: Phase 1A, High Bay Test Modules Phase 1B, Main ETF Facility - Design within FPA		\$3.0			\$4.7 \$1.0		
Phased Spending Plan by Source: UA Reciepts (ICR paid WC, Private Giving, Grants) State Appropriations		\$3.0 \$0.0			\$1.7 \$4.0		
Funding Approvals: BOR Finance Approval For Borrowing BOR Accepts State Appropriation for ETF ¹ Total		\$3.0 \$3.0	\$3.0 \$7.0	\$3.0 \$4.0 \$7.0			
ETF Estimated Completion Date	Fall 2010	Fall 2011					
Estimated Completion Date-Phase 1A, High Bay Test Modules		Mar. 2011		Dec. 2011			
Estimated Completion Date-Phase 2, Main ETF Facility		Fall 2012		Best Case Dec. 2014			

1. UAF received \$8M for UAF Engineering & Technology Project Design & Development with \$4M designated for UAF Engineering Planning & Design and \$4M for ETF Design and Development.

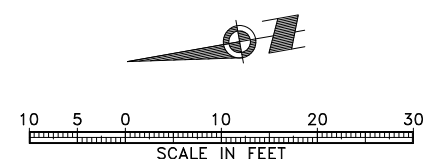
+i indicates an expected change for inflation and new estimates as design progresses and ix3 is after three years of inflation.

UNIVERSITY OF ALASKA		
Project Name: Energy Technology Facility Test Modules		
MAU: UAF		
Building: 0	Date: November 17, 2010	
Campus: UAF	Prepared By: J Campbell	
Project #: 2010134 ETTM	Account No.: 571306 - 50216, 571302 - 50216	
Total GSF Affected by Project: 5400		
PROJECT BUDGET	FPA Budget	SDA Budget
A. Professional Services		
Advance Planning, Program Development		\$0
Consultant: Design Services		\$254,186
Consultant: Construction Phase Services		\$30,000
Consul: Extra Services (List: _____)		\$55,000
Site Survey		\$0
Soils Testing & Engineering		\$0
Special Inspections		\$10,000
Plan Review Fees / Permits		\$4,000
Other		\$0
<i>Professional Services Subtotal</i>		\$353,186
B. Construction		
General Construction Contract (s)		\$3,062,138
Other Contractors (List: _____)		\$500,519
Construction Contingency		\$320,639
<i>Construction Subtotal</i>		\$3,883,296
<i>Construction Cost per GSF</i>		\$719.13
C. Building Completion Activity		
Equipment		\$0
Fixtures		\$0
Furnishings		\$0
Signage not in construction contract		\$0
Move-Out Cost/Temp. Reloc. Costs		\$0
Move-In Costs		\$0
Art		\$0
Other (List: _____)		\$0
OIT Support		\$10,000
Maintenance/Operation Support		\$0
<i>Building Completion Activity Subtotal</i>		\$10,000
D. Owner Activities & Administrative Cost		
Project Planning and Staff Support		\$191,092
Project Management		\$241,774
Misc Expenses: Advertising, Printing, Supplies		\$20,000
<i>Owner Activities & Administrative Cost Subtotal</i>		\$452,865
E. Total Project Cost		\$4,699,347
<i>Total Project Cost per GSF</i>		\$870.25
F. Total Appropriation(s)		\$4,000,000

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BUILDING LOCATION PLAN



BETTISWORTH NORTH

ARCHITECTS AND PLANNERS



212 FRONT STREET FAIRBANKS, ALASKA 99701

(907) 456-5780


WWW.BETTISWORTHNORTH.COM

ZGF

ZIMMER GUNSUL FRASCA ARCHITECTS LLP


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PDC INC. ENGINEERS

2700 Gambell Street, Suite 500, Anchorage, Alaska 99503



X-nth Inc.

San Diego - North

5570 Oberlin Dr.

San Diego, CA 92121

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Stamp

University of Alaska Fairbanks

Energy Technology

Facility Test Modules

Fairbanks, Alaska

PROJECT # 2010134 ETMM

Date: 8-10-2010

Job No: F09111.01

Drawn By: BD

Checked By: MS

Revisions

Drawing Title

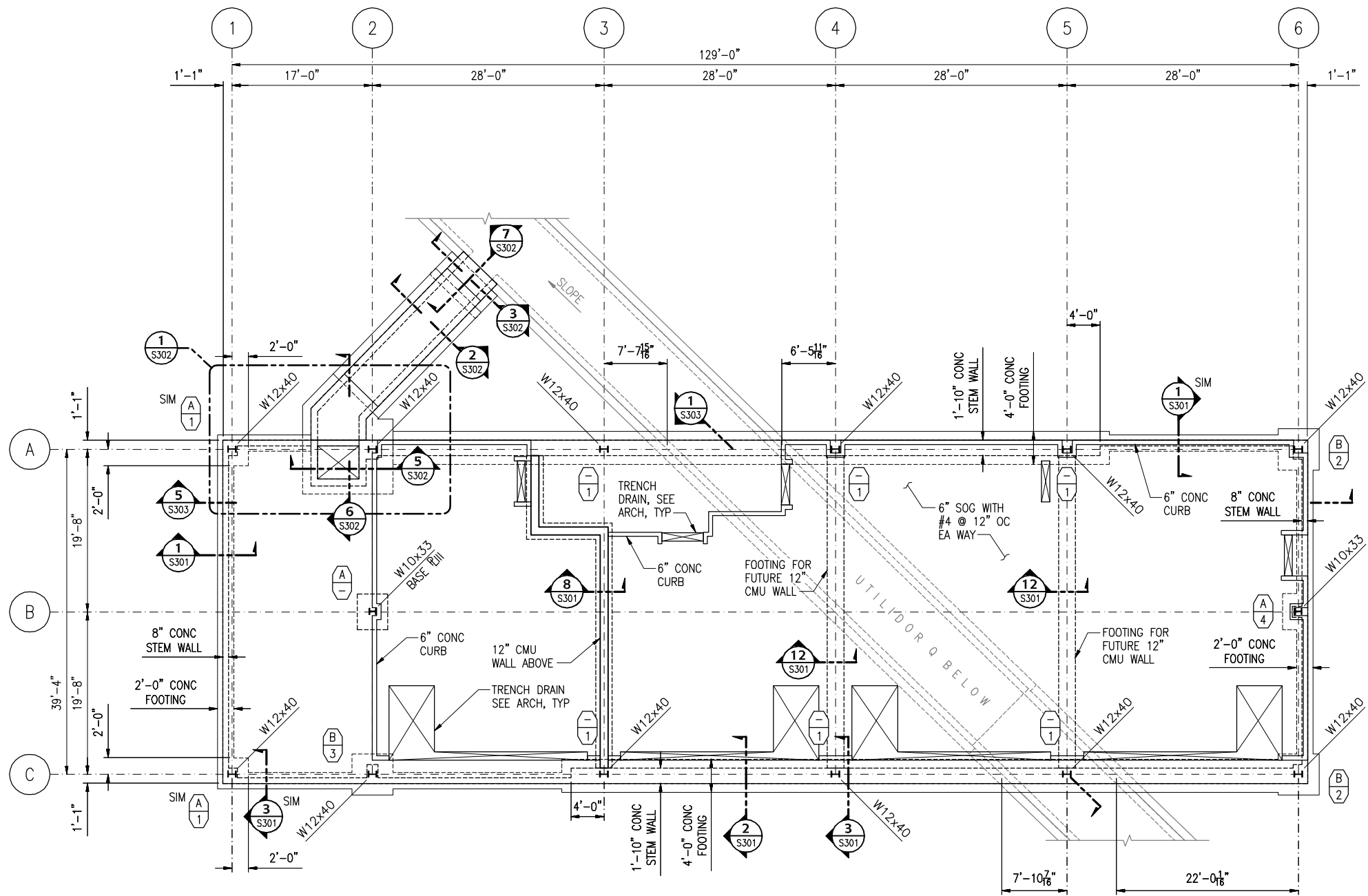
CIVIL SITE &
FOUNDATION DESIGN
FOR TEST MODULES

Drawing No.

C101

Civil, Site, & Foundation
Design For Test Modules

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SHEET NOTES

1. THESE DRAWINGS HAVE BEEN PREPARED TO SHOW THE WORK REQUIRED IN ORDER TO CONSTRUCT THE EXTERIOR FOUNDATION AND UTIL/DOR CONNECTOR THIS CONSTRUCTION SEASON (2010). THE WORK IS TO BE ACCOMPLISHED BY KIEWIT AS PART OF THE UTER PROJECT CONTRACT. THE EXTENT OF THE WORK IS TO CONSTRUCT EVERYTHING FROM THE ANCHOR BOLTS DOWN. NO SLABS ARE TO BE POURED AT THIS TIME.

FOOTING TYPE
SEE SCHEDULE

PEDESTAL TYPE
SEE SCHEDULE

PEDESTAL SCHEDULE		
MARK	DETAIL	BASE R
1	4/S301	MARK I
2	5/S301	MARK II
3	6/S301	MARK II
4	7/S301	MARK III

FOOTING SCHEDULE					
MARK	SIZE (LxW)	THICKNESS	REINFORCING		REFERENCE
			BOTTOM	TOP	
A*	3'-8"x4'-4"	1'-0"	(5) #5, EA WAY	-	-
B	5'-0"x5'-0"	1'-0"	(6) #5, EA WAY	(6) #5, EA WAY	-

* AT A 'SIM' USE DIMENSIONS SHOWN ON PLAN AND REINFORCING SHOWN IN FOOTING SCHEDULE.



Stamp

University of Alaska Fairbanks
Energy Technology
Facility Test Modules
Fairbanks, Alaska
PROJECT # 2010134 ETMM

Date: 8-10-2010
Job No: F09111.01
Drawn By: WTH/DJM
Checked By: JUL

Revisions

Drawing Title
STRUCTURAL
FOUNDATION AND SLAB
PLAN

Drawing No.

S201
Civil, Site, & Foundation
Design For Test Modules

