NATIONAL RENEWABLE ENERGY LABORATORY

THERMO–CHEM LABORATORY 101 CONVERSION

100% CONSTRUCTION DOCUMENTS

PROJECT TEAM

OWNER:

NATIONAL RENEWABLE ENERGY LABORATORY
1617 COLORADO BLVD.
GOLDEN, COLORADO 80401
303–384–7375

GENERAL CONTRACTOR:

CG CONSTRUCTION
2775 WEST HAMPDEN AVENUE UNIT 100
ENGLEWOOD, COLORADO 80110
RICK YAKISH
303–421–6434

ARCHITECT:

RUDD AND ASSOCIATES
8811 E. HAMPDEN AVENUE SUITE 206
DENVER, COLORADO 80231
MIKE RUDD
303–632–6802
303–632–6805 FAX

STRUCTURAL ENGINEER:

LT ENGINEERING, LLC
5620 ZUNI STREET
DENVER, COLORADO 80221
LESLIE TYSON
303–477–3861
720–319–0503 FAX

MECHANICAL ENGINEER:

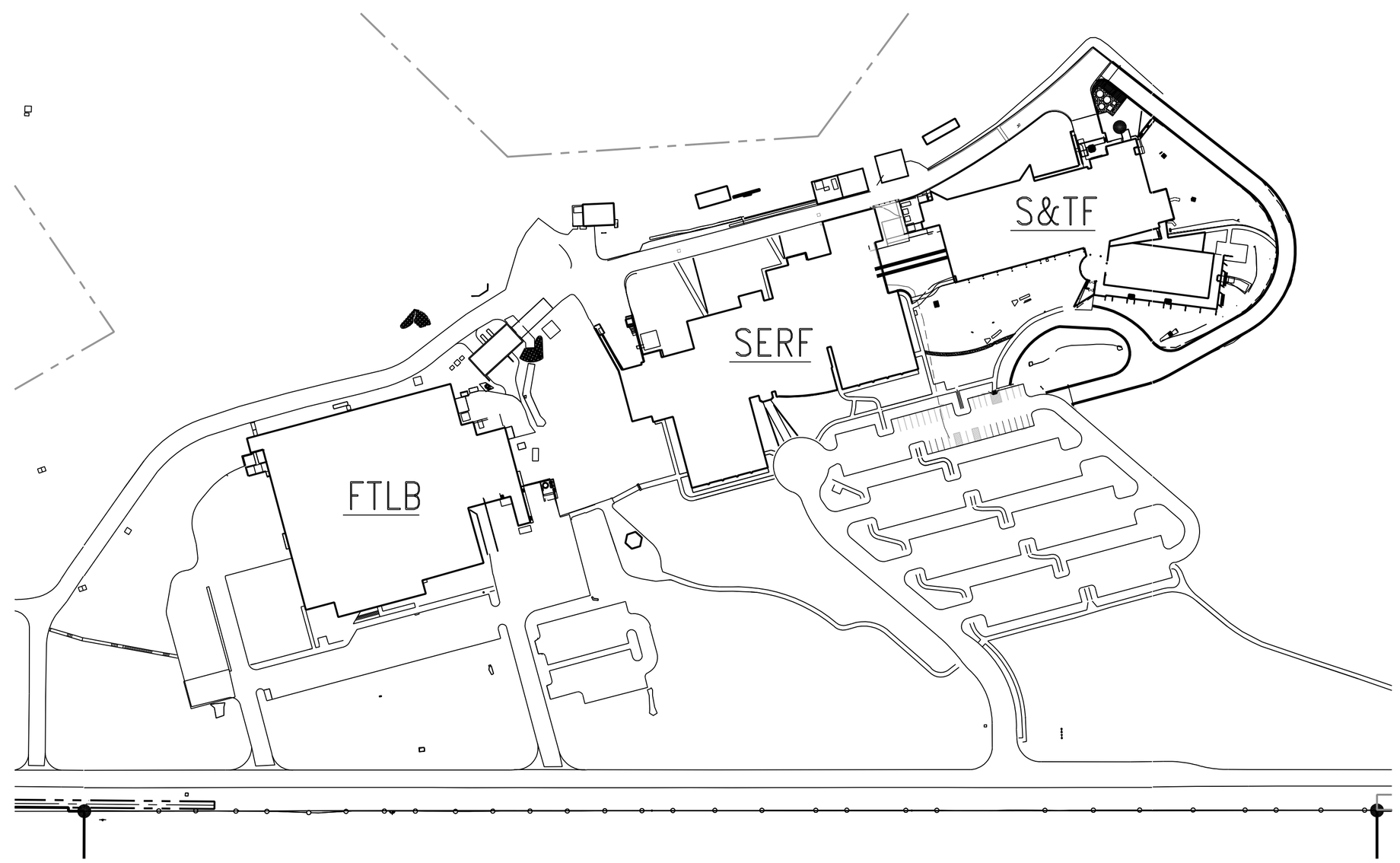
MEP ENGINEERING
3565 SOUTH YOSEMITE STREET
DENVER, COLORADO 80237
DOUG DEPPEY
303–936–1633

ELECTRICAL ENGINEER:

PRODUCTIVE ELECTRIC, INC.
2775 WEST HAMPDEN AVENUE UNIT 200
ENGLEWOOD, COLORADO 80110
BILL BRUNNER
720–946–1830

FIRE PROTECTION:

ABC FIRE PROTECTION
1660 CHAMBERS RD.
AURORA, COLORADO 80011
DUSTIN MOODY
720–262–4530



VICINITY MAP
NOT TO SCALE

SHEET INDEX

ARCHITECTURAL:

X–01	COVER SHEET
A–01	LAB 101 LOWER LEVEL
A–02	LAB 201 UPPER LEVEL
A–03	FAN LOFT AND PENTHOUSE
A–04	ROOF PLAN
A–05	BUILDING SECTION AND PENTHOUSE ELEVATIONS
A–06	BUILDING SECTION
A–07	ENLARGED DETAILS
A–08	STAIR PLAN AND SECTIONS
A–09	STAIR PLAN AND DETAILS
A–10	CABINET ELEVATIONS

STRUCTURAL:

S–00	GENERAL NOTES
S–01	LAB 101 FOUNDATION PLAN
S–02	LAB 101 MEZZANINE FRAMING PLAN
S–03	FAN LOFT AND MECH. PLATFORM FLOOR FRAMING
S–04	FAN LOFT AND MECH. PLATFORM FLOOR FRAMING
S–05	SECTIONS
S–06	SECTIONS

MECHANICAL:

MP–01	MECHANICAL COVER SHEET, LEGEND, GENERAL NOTES AND DRAWING INDEX
M–01	FIRST FLOOR HVAC / PIPING PLAN
M–02	SECOND FLOOR HVAC / PIPING PLAN
M–03	FAN LOFT AND PENTHOUSE HVAC PLAN
M–04	FAN LOFT AND PENTHOUSE HVAC PIPING PLAN
M–05	HVAC DIAGRAMS
M–06	MECHANICAL SCHEDULES AND DIAGRAM
M–07	HVAC SCHEDULES
M–08	SCHEMATIC
M–09	HVAC PIPING / POINT LIST SCHEMATIC
M–10	PENTHOUSE ELEVATION
M–11	CONTROL SEQUENCE
P–01	FIRST FLOOR PLUMBING PLAN
P–02	SECOND FLOOR PLUMBING PLAN
P–03	FAN LOFT AND PENTHOUSE PLAN
P–04	PLUMBING DIAGRAMS AND SCHEDULES

ELECTRICAL:

E–01	POWER FIRST FLOOR
E–02	POWER SECOND FLOOR
E–03	LIGHTING FIRST FLOOR
E–04	LIGHTING SECOND FLOOR
E–05	FAN LOFT POWER
E–06	FAN LOFT LIGHTING
E–07	PARTIAL ONE–LINE DIAGRAM
E–08	PARTIAL ONE–LINE DIAGRAM
E–09	SCHEDULES
E–10	SCHEDULES

NO.	REVISIONS	DATE	BY	APP'D.	BAE	NO.	REVISIONS	DATE	BY	APP'D.	BAE
0	50% CONSTRUCTION DOCUMENTS	08–12–11	MR								
1	90% CONSTRUCTION DOCUMENTS	09–29–11	MR								
2	100% CONSTRUCTION DOCUMENTS	11–3–11	MR								
3	FOR CONSTRUCTION	01–20–12	MR								

FILE INFORMATION			
USER:	DATE:	TIME:	XREF'S:
DWG. FILE:		LAYOUT:	
DWG. FOLDER:			
ACAD VERSION: 2008			
PLATFORM:			
BORDER: ZBD2234D–3.DWG	PLOT SCALE: 1:1		UNITS: INCHES/FEET
PLOT INFO.: nrel.stb			

ENGINEERING REVIEW	APPROVAL	DATE
DESIGNER		
ENGINEER		
CHECKED BY		
A/E APPROVED BY		
NREL APPROVED BY		
BLDG. AREA ENG.		

CG Construction
Building Structural Integrity

NREL
National Renewable Energy Laboratory
1617 Cole Boulevard
Golden, Colorado 80401–3393
Operated for the
U.S. Department of Energy
by Midwest Research Institute • Battelle • Bechtel

FTLB ARCH
THERMO–CHEM LABORATORY 101 CONVERSION
TASK ORDER 13
COVER

DRAWING NO. PREFIX	DRAWING NO.	REVISION NO.
FTLB–135–	X–01	0
NREL PROJECT NO.	NREL WORK ORDER NO.	A/E PROJECT NO.
EX2010034	13	

F:\NREL\FTLB-2011\Cds\100% Revisions - 01-20-12\FTLB-135_Cover.dwg LAST PLOTTED ON 01/24/2012 - 16:43 BY JUAN PASILLAS