

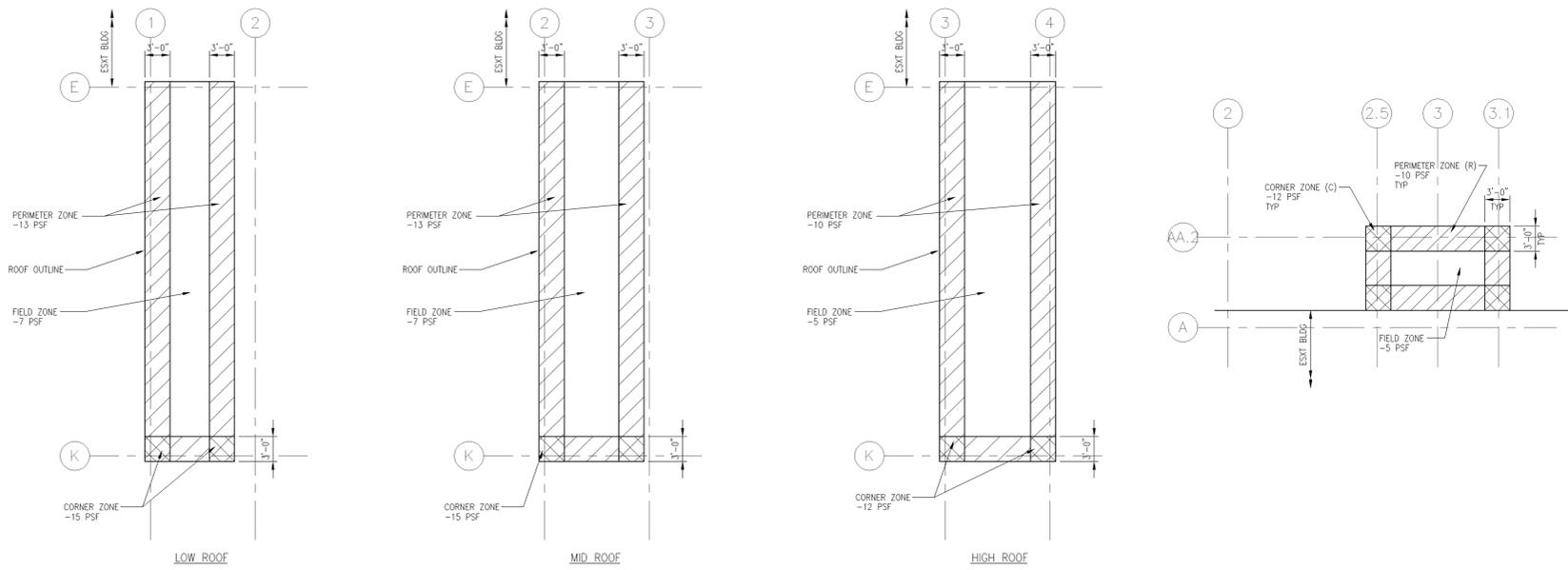
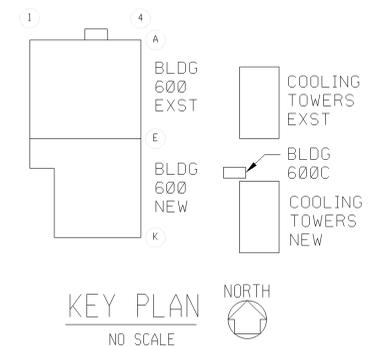
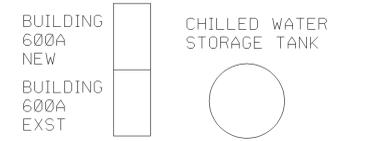
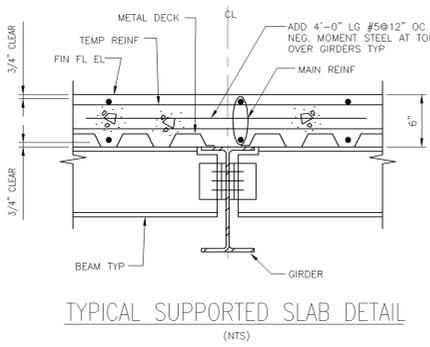
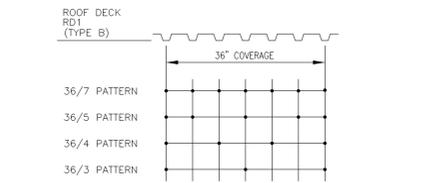
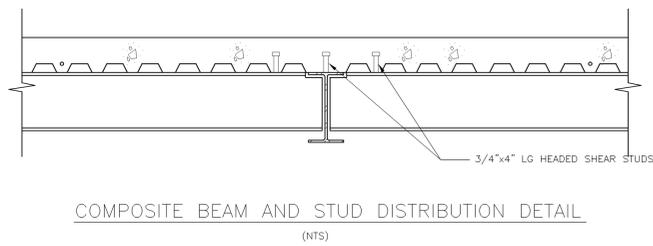
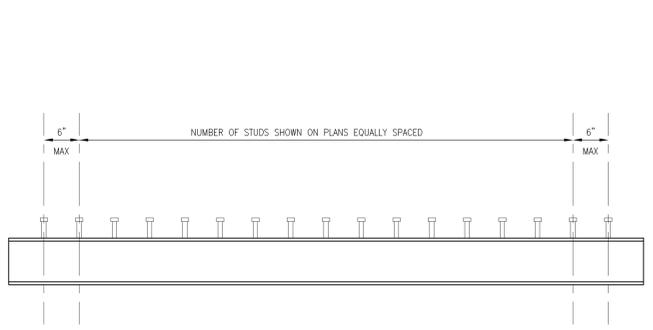
Date (mm dd yyyy)	Issued For	Rev.
12-07-2007	TITLE II DESIGN 30% REVIEW SUBMITTAL	C
03-28-2008	TITLE II DESIGN 60% REVIEW SUBMITTAL	D
07-31-2008	TITLE II DESIGN 90% REVIEW SUBMITTAL	E
08-25-2008	TITLE II DESIGN 100% OWNER REVIEW	F
02-19-2009	TITLE II CONSTRUCTION BID ISSUE	0

METAL ROOF DECK SCHEDULE													
MARK	METAL DECK					ATTACHMENT						MINIMUM DIAPHRAGM SHEAR CAPACITY	REMARKS
						SUPPORTS PERPENDICULAR TO FLUTES		SUPPORTS PARALLEL TO FLUTES		SIDE LAPS			
	PROFILE	DEPTH	TYPE	GAGE	FINISH	FASTENERS	PATTERN	FASTENERS	SPACING	FASTENERS	SPACING		
RD1		1 1/2"	B	18	GALV (G90)	5/8" DIA WELD	36/5	5/8" DIA WELD	12"	#10 TEK SCREWS	24"	418 PLF	

- NOTES:
1. USE THIS SCHEDULE WITH TYPICAL METAL ROOF DECK DETAILS
  2. ALTERNATE SUPPORT FASTENERS CAN BE SCREWS OR POWER DRIVEN FASTENERS
  3. ALTERNATE SIDE LAP FASTENERS CAN BE SCREWS OR BUTTON PUNCH
  4. REFER TO TYPICAL DECK FASTENING PATTERN DIAGRAMS
  5. ROOF ASSEMBLIES AND METAL DECK ATTACHMENT SHALL COMPLY WITH FACTORY MUTUAL PROPERTY LOSS PREVENTION DATA SHEETS 1-28.
  6. ROOF SYSTEMS AND ROOF DECK, SHALL BE MECHANICALLY FASTENED TO MEET 1-60 WIND STORM CLASSIFICATION, 1-90 AT ROOF PERIMETER STRIPS AND 1-135 AT ROOF CORNER AREAS PER FM 1-28, 1-29 AND 1-29S

SUPPORTED SLAB ON METAL DECK SCHEDULE															
MARK	METAL DECK					ATTACHMENT				CONCRETE SLAB			REINFORCING	REMARKS	
						SUPPORT PERPENDICULAR TO FLUTE		SUPPORT PARALLEL TO FLUTE		SIDE LAPS		TOTAL DEPTH			TYPE
	PROFILE	DEPTH	TYPE	GAGE	FINISH	FASTENERS	PATTERN	FASTENERS	SPACING	FASTENERS	SPACING				
FD1		1 1/2"	C	18	GALV (G60)	MECH FASTENERS	36/4	MECH FASTENERS	12"	#10 TEK SCREWS	24"	6"	NW	#6@12 T&B MAIN #3@12 T&B T&S	OPERATING FLOOR AND MEZZANINE LEVEL FLOOR SLAB

NOTE:  
USE THIS SCHEDULE WITH TYPICAL METAL FLOOR DECK AND SUPPORTED SLAB DETAILS



This drawing has been prepared solely for the use of Brookhaven National Laboratory and there are no representations of any kind made by Giffels Partnership to any party with whom Giffels Partnership has not entered into a contract.

This drawing shall not be used for construction purposes until the seal and signature of the responsible registrant appears on the drawing and proper permit forms and related fees are transmitted by the Owner, Owner's Agent or Contractor to the Authority Having Jurisdiction.

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Approved By: J. KUSSRO  
Project Manager: G. KAPLAN  
Project Engineer/Architect: S. MUDAPPA  
Project No.: SF070003

JOB NO.	SHEET NO.	REVISION	DATE	DWG.	APPR.	QA
<b>BROOKHAVEN NATIONAL LABORATORY</b>						
UNDER CONTRACT WITH <b>UNITED STATES DEPARTMENT OF ENERGY</b> PLANT ENGINEERING DIVISION UPTON, NEW YORK 11973						
JOB TITLE CENTRAL CHILLED WATER FACILITY PHASE II			DWG. TITLE BLDG 600 METAL DECK SCHEDULE			
SCALE	AS NOTED	DATE	ACCT. NO.	SHEET OF		
ESHD RISK LEVEL	APPR. BY	WK	BLDG. NO.	SS-602		
PATH:						