

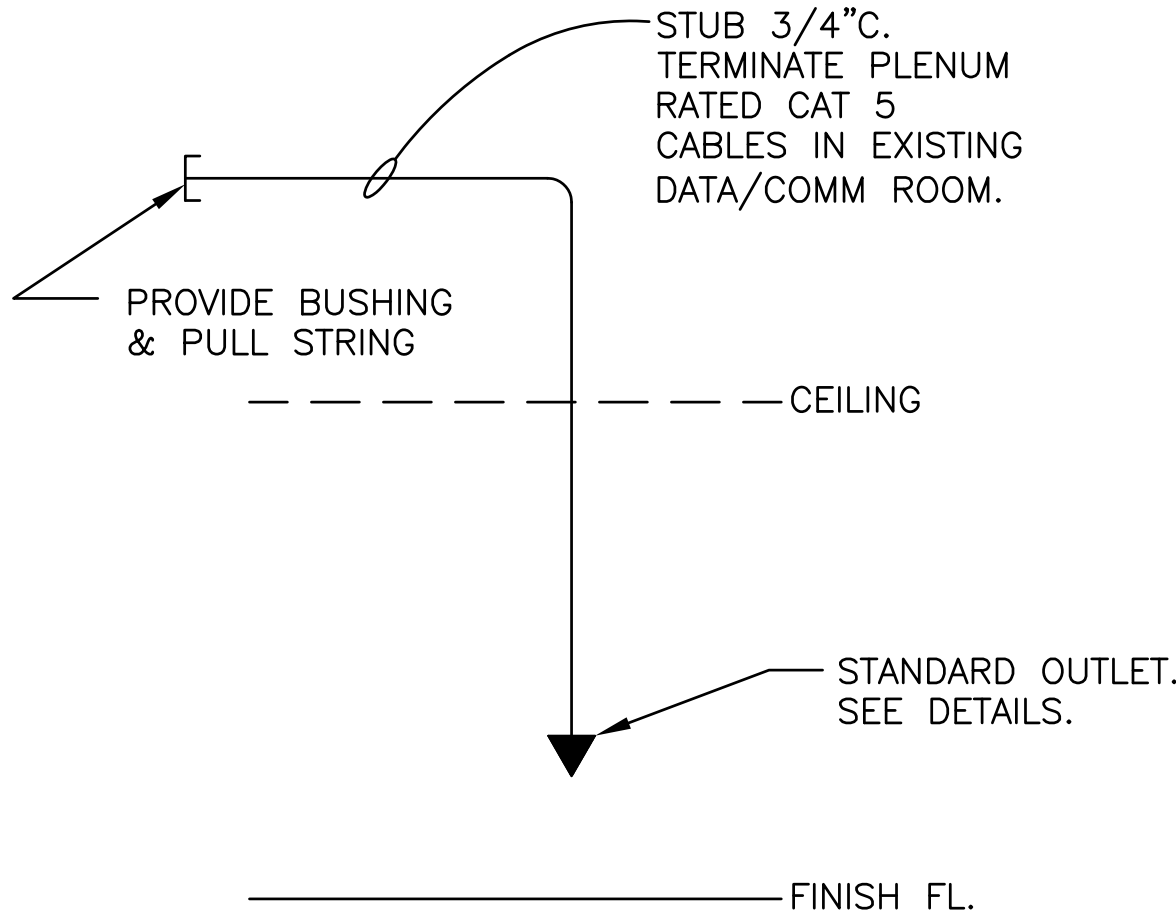
ELECTRICAL SYSTEM AND EQUIPMENT

METHOD OF COMPLIANCE:
Prescriptive ☒ Performance ☐ Energy Cost Budget ☐

Lighting schedule
lamp type required in fixture See Fixture Schedule
number of lamps in fixture See Fixture Schedule
ballast type used in the fixture See Fixture Schedule
number of ballasts in fixture See Fixture Schedule
total wattage per fixture See Fixture Schedule
total interior wattage specified vs allowed N/A - NO CHANGE IN OCCUPANCY
total exterior wattage specified vs allowed N/A
Equipment schedules with motors (not used for mechanical systems)
motor horsepower N/A
number of phases N/A
minimum efficiency N/A
motor type N/A
#of poles N/A

DESIGNER STATEMENT:
To the best of my knowledge and belief, the design of this building complies with the requirements of Chapter 8 of the 2006 North Carolina State Energy Code.

SIGNED: _____
NAME: Gregory McDowell
TITLE: Professional Engineer



TYPICAL DATA/COMM OUTLET
NTS

LIGHTING FIXTURE SCHEDULE								
MARK	TYPE	MOUNTING	MANUFACTURER CATALOG NO. 1	BALLAST QT) TYPE	LAMPS QT) TYPE	TOTAL WATTS	VOLTAGE	REMARKS
E	EMERGENCY	SURFACE	SURE-LITES CC4	-	INCLUDED	-	120	90 MINUTE BATTERY
X	EXIT	UNIVERSAL	SURE-LITES CAX7X70RW	-	LED	1.5	120	90 MINUTE BATTERY NO. OF FACES & ARROWS SHOWN.

NOTE: EQUALS BY LITHONIA & DAYBRITE WILL BE ACCEPTABLE.

EXISTING PANEL									
PANEL 2LPKK									
10,000 AMPS RMS. SYM. I.C. INTEGRATED EQUIPMENT RATING									
120/208 VOLTS, 3 PHASE, 4 WIRE, 125 AMP MAIN BREAKER (SHUNT TRIP)									
SERVES	CIR NO.	CIR LOAD	A	B	C	CIR NO.	CIR LOAD	SERVES	
SURFACE RACEWAY RECEPTS	.36	1	---	---	---	2	.36	SURFACE RACEWAY RECEPTS	
	.36	3	---	---	---	4	.36		
	.36	5	---	---	---	6	.36		
SPARE CKT (DEMO'ED RACEWAYS)	.18	7	---	---	---	8	.54	EXISTING RECEPTACLE CKT	
	.18	9	---	---	---	10	0.1	EXISTING SHUNT TRIP CONTROLS	
	.18	11	---	---	---	12		SPARE	
	.18	13	---	---	---	14		SPARE (DEMO'ED FLOOR OUTLET)	
SPARE		15	---	---	---	16			
		17	---	---	---	18			
NEW RECEPTACLES	.72	19	---	---	---	20	.36	EXISTING RECEPT CKT	
	.72	21	---	---	---	22		SPARE	
	1.3	23	---	---	---	24			
	.54	25	---	---	---	26			
SPARE		27	---	---	---	28			
		29	---	---	---	30			
SPACE		31	---	---	---	32		SPACE	
		33	---	---	---	34			
		35	---	---	---	36			
		37	---	---	---	38			
		39	---	---	---	40			
		41	---	---	---	42			
TOTAL CONNECTED LOAD: 7.2 KVA ALL BREAKERS ARE EXISTING 1P-20A									
PHASE A = 3.3 KVA = 28A									
PHASE B = 1.7 KVA = 15A									
PHASE C = 2.2 KVA = 19A									

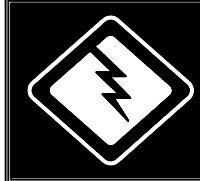
ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
---	CONDUIT
----	CONDUIT UNDERFLOOR OR UNDERGROUND
↗	ARROW INDICATES HOMERUN, TICKMARKS: NEUTRAL,PHASE,GND.
⎓	EXISTING POWER PANEL
Ⓢ	JUNCTION BOX
▼	DATA/COMM OUTLET
Ⓢ	EXISTING OR BY OTHERS
Ⓢ	LIGHT FIXTURE
Ⓢ	SINGLE POLE SWITCH , 3 WAY, 4 WAY
Ⓢ	ABOVE FINISHED FLOOR
Ⓢ	DUPLEX RECEPT , ABOVE COUNTER
Ⓢ	WEATHERPROOF , GROUND FAULT
Ⓢ	QUAD-PLEX RECEPTACLE
Ⓢ	FIRE ALARM HORN/STROBE
Ⓢ	FIRE ALARM STROBE

FIRE ALARM NOTES:

- ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 72 & THE REQUIREMENTS OF THE LOCAL AHJ.
- NEW DEVICES SHALL BE CONNECTED TO THE EXISTING ADDRESSABLE BUILDING SYSTEM.
- NEW DEVICES SHALL BE UL LISTED FOR USE WITH THE EXISTING SYSTEM.
- TEST & CERTIFY SYSTEM & UPDATE OWNER'S DOCUMENTATION.

PROJECT NO. 02390



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RECORD DRAWINGS
2/05/09

University of
North Carolina
at Wilmington

602 College Road
Wilmington, NC 28403

Dobo Hall
Computer Lab 230
Renovation



THE UNIVERSITY OF
NORTH CAROLINA
AT WILMINGTON

Project Number
0732.DOB0
Date
Feb 08
Drawn
RSG
Checked
BBW

Scale
As Noted
Drawing Title

ELECTRICAL
SCHEDULES, NOTES
AND DETAILS

Sheet Number
7 of 10
Drawing Number

E-101