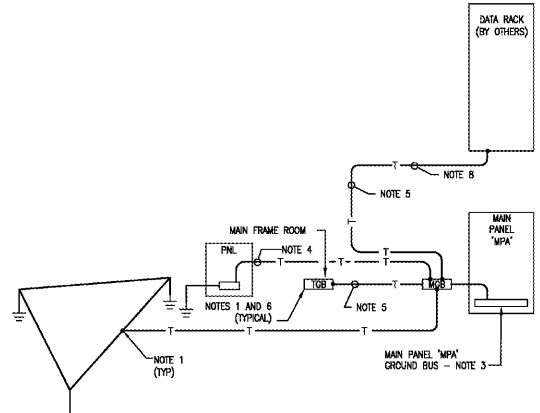
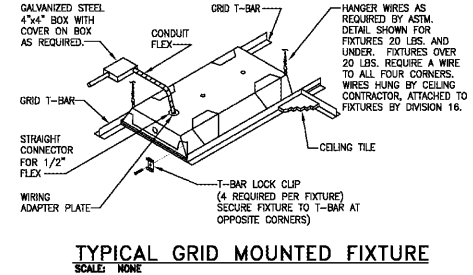


WIRING METHODS SCHEDULE & NOTES	
FEEDER/CIRCUIT TYPE	WIRING METHOD
UNDERGROUND SERVICE ENTRANCE - 5' OR MORE BEYOND BLDG	CONCRETE ENCASED SCHEDULE 40 PVC CONDUIT. MINIMUM DEPTH SHALL BE 24" BELOW GRADE.
UNDERGROUND SERVICE ENTRANCE - WITHIN 5' OR UNDER BLDG	CONCRETE ENCASED SCHEDULE 80 PVC CONDUIT. MINIMUM DEPTH SHALL BE 24" BELOW FLOOR SLAB.
UNDERGROUND FEEDER - 5' OR MORE BEYOND BLDG	CONCRETE ENCASED PVC DUCT.
UNDERGROUND FEEDER - WITHIN 5' OR UNDER BLDG	CONCRETE ENCASED PVC CONDUIT, SCHEDULE 80. MINIMUM DEPTH SHALL BE 30" BELOW BOTTOM OF FLOOR SLAB.
UNDERGROUND BRANCH CIRCUIT - 5' OR MORE BEYOND BUILDING	DIRECT BURIED PVC CONDUIT, SCHED 40. MINIMUM DEPTH SHALL BE 24" BELOW GRADE.
UNDERGROUND BRANCH CIRCUIT - WITHIN 5' OR UNDER BUILDING	DIRECT BURIED PVC CONDUIT, SCHED 40. MINIMUM DEPTH SHALL BE 18" BELOW BOTTOM OF FLOOR SLAB.
INTERIOR FEEDERS/CIRCUITS-IN FLOOR SLABS	PVC CONDUIT, SCHED 80
EXTERIOR, WET OR DAMP LOCATION FEEDERS/CIRCUITS	RGS CONDUIT
INTERIOR FEEDERS - EXPOSED	2" OR LESS: EMT, 2 1/2" OR GREATER: RGS CONDUIT - PROVIDE RGS CONDUIT WHERE EXPOSED BELOW 10' AFF, OR WHERE EXPOSED TO SEVERE PHYSICAL DAMAGE, OR WHERE REQUIRED BY NEC.
INTERIOR FEEDERS - CONCEALED IN WALL OR ABOVE CEILING	2" OR LESS: EMT, 2 1/2" OR GREATER: RGS CONDUIT - PROVIDE RGS CONDUIT WHERE EXPOSED BELOW 10' AFF, OR WHERE EXPOSED TO SEVERE PHYSICAL DAMAGE, OR WHERE REQUIRED BY NEC.
CONNECTIONS TO XFMRS, MOTORS, AND VIBRATING EQPT	LIQUIDTIGHT FLEXIBLE METAL CONDUIT, 3 FT MAXIMUM LENGTH
TELECOMMUNICATIONS GROUND SYSTEM GROUND CONDUCTORS	RGS CONDUIT BONDED TO GND CONDUCTOR AT BOTH ENDS, OR PVC SCHEDULE 40 WHERE ALLOWED BY NEC IN NON-PLENUM SPACES.
FACILITY GROUND SYSTEM GROUND CONDUCTORS SIGNAL REFERENCE GROUND SYSTEM GROUND CONDUCTORS	RGS CONDUIT BONDED TO GND CONDUCTOR AT BOTH ENDS, OR PVC SCHED 40 WHERE ALLOWED BY NEC IN NON-PLENUM SPACES.
GROUNDING ELECTRODE CONDUCTORS	RGS CONDUIT BONDED TO GND CONDUCTOR AT BOTH ENDS, OR PVC SCHED 40 WHERE ALLOWED BY NEC IN NON-PLENUM SPACES.
SIGNAL AND TELECOMMUNICATIONS WIRING	EMT, EXCEPT WHERE RGS CONDUIT IS REQUIRED BY NEC. PROVIDE 200 LB. TEST NYLON PULL LINE IN ALL TELECOMMUNICATIONS CONDUITS.
INTERIOR CIRCUITS-EXPOSED	2" OR LESS: EMT, 2 1/2" OR GREATER: RGS CONDUIT - PROVIDE RGS CONDUIT WHERE EXPOSED TO SEVERE PHYSICAL DAMAGE, OR WHERE REQUIRED BY NEC.
INTERIOR CIRCUITS - CONCEALED IN WALL OR ABOVE CEILING	2" OR LESS: EMT, 2 1/2" OR GREATER: RGS CONDUIT - PROVIDE RGS CONDUIT WHERE EXPOSED TO SEVERE PHYSICAL DAMAGE, OR WHERE REQUIRED BY NEC.
WIRING OUTSIDE OF CABLE TRAYS TO INSTRUMENTATION, SENSORS, AND PROCESS EQUIPMENT	RGS CONDUIT
UNDERGROUND FEEDERS AND BRANCH CIRCUITS ENCASED IN CONCRETE POLE FOUNDATIONS	SCHEDULE 80 PVC

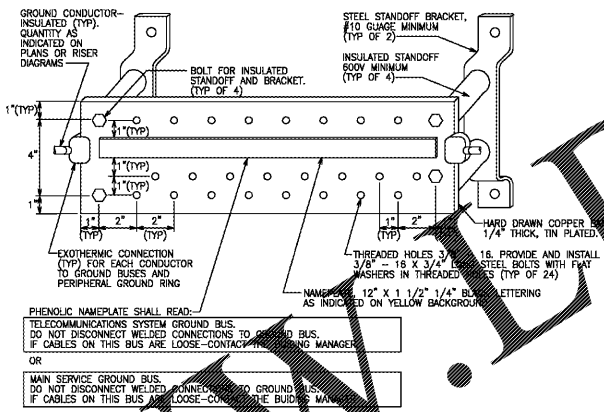


- NOTES:**
- CONNECTIONS TO TELECOMMUNICATIONS GROUND BUSES SHALL BE EXOTHERMIC TYPE.
 - SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - CONNECTIONS TO EQUIPMENT GROUND BUS SHALL BE:
 - BUS MECHANICAL COMPRESSION LUG FOR PANELBOARD.
 - COMPRESSION CRIMP LUG WITH BOLTED CONNECTION FOR SWITCHBOARDS.
 - #4 INSULATED GROUND IN 3/4" CONDUIT.
 - #1/0 INSULATED GROUND IN 1" CONDUIT.
 - SEE SHEET E1.12 SERIES PLANS FOR LOCATION. COORDINATE LOCATION WITH OTHER WORK.
 - ALL CONDUIT TYPES SHALL BE AS INDICATED ON WIRING METHODS SCHEDULE.
 - #6 INSULATED GROUND IN 3/4" CONDUIT.

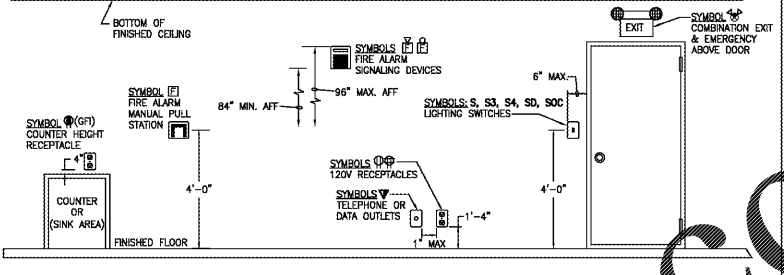
TELECOMMUNICATION SYSTEM GROUNDING DETAIL
SCALE: NONE



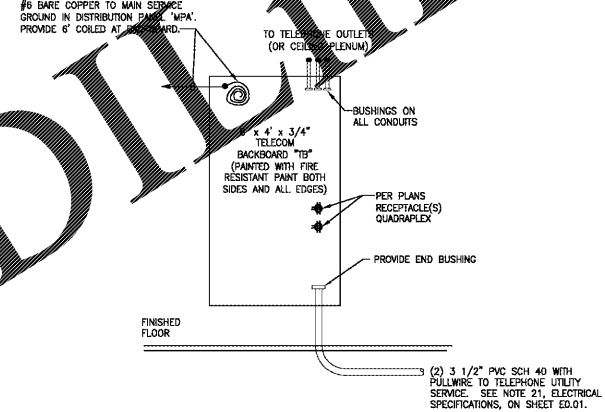
TYPICAL GRID MOUNTED FIXTURE
SCALE: NONE



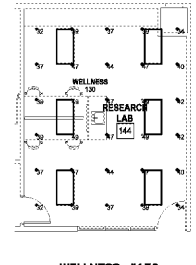
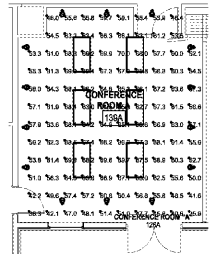
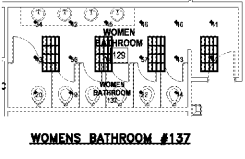
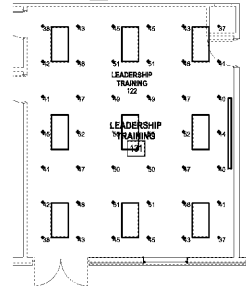
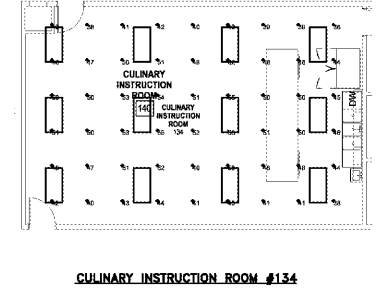
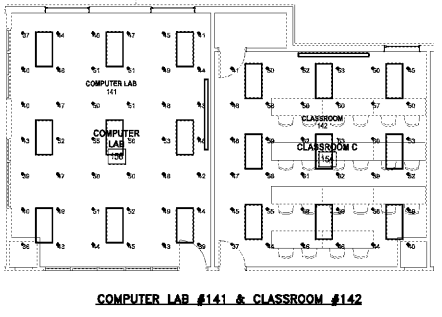
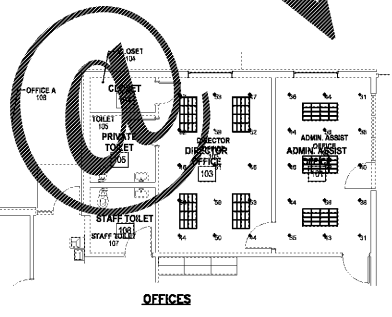
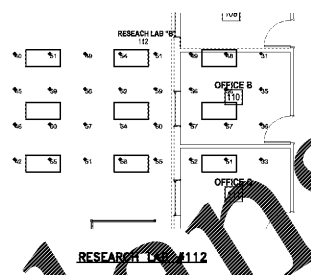
GROUND BUS "MGB" AND "TGB" DETAIL
SCALE: NONE



TYPICAL DEVICE MOUNTING HEIGHTS
SCALE: NONE



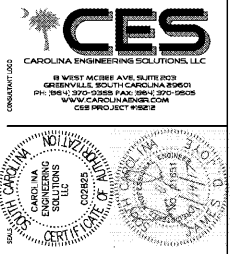
TELEPHONE SERVICE DIAGRAM
SCALE: NONE



PHOTOMETRIC PLANS
SCALE: 1/8"=1'-0"

Order Plans

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SC STATE UNIVERSITY
 CAMP HARRY G. DANIELS 1890 EXTENSION
 FACILITY CONSTRUCTION
 Agency Review ID: H24-9649-CA
 116 Camp Daniels Road, Ellenton, SC

SHEET ISSUE:	
NO.	DATE DESCRIPTION BY
BID SET	9/15/2017
PRINCIPAL IN CHARGE:	JZJ
PROJECT ENGINEER:	JZJ
DRAWN BY:	GRH
SHEET TITLE:	
PHOTOMETRIC PLANS AND ELECTRICAL DETAILS	
SHEET NO.	PROJ. NO.
	13140.00
E1.14	