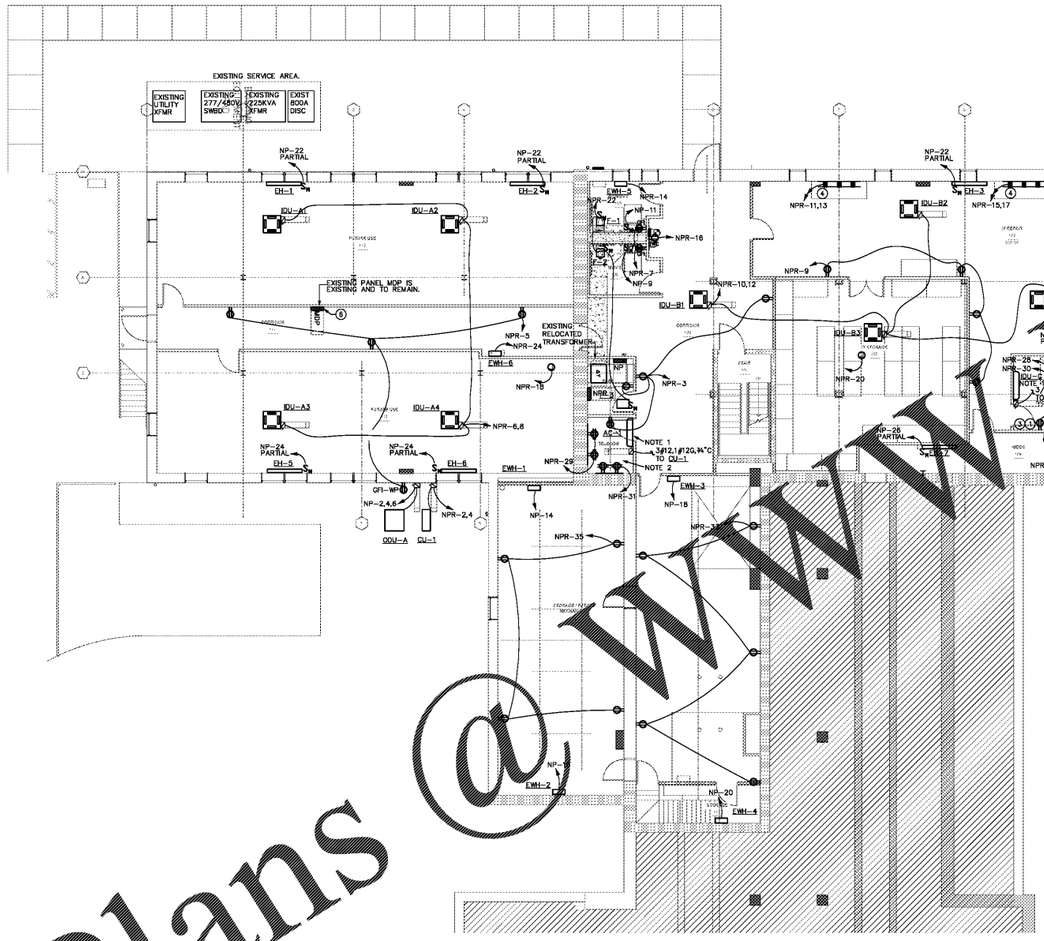


GROUND FLOOR PLAN - POWER

1/8" = 1'-0"

GENERAL NOTES:

1. INDOOR SPLIT SYSTEM IS TO BE POWERED FROM OUTDOOR UNIT PER MANUFACTURER'S INSTRUCTIONS.
2. EXTEND ALL EXISTING CONDUITS, LOCATED AT EXISTING TELEPHONE BOARD LOCATION, TO NEW LOCATION OF TELEPHONE BOARDS (TELCOM 108) RELOCATE EXISTING FIRE ALARM EXTENDER/NAC TO TELECOM 108.
3. PROVIDE 2" EC WITH PULL STRING FROM TELECOM ROOM 108 TO RADIO EQUIPMENT ROOM 115.
4. PROVIDE 2" EC WITH PULL STRING FROM PLAN EAST WALL OF RADIO EQUIPMENT ROOM TO RADIO TOWER. IF POSSIBLE, ROUTE THROUGH EXISTING WINDOW OPENING WHILE MAINTAINING 18" CLEARANCE FROM OTHER TRADES PIPING/DUCTWORK.

KEYED NOTES: (X)

1. NEMA 5-20 RECEPTACLE.
2. L5-20 TWISTLOCK RECEPTACLE MOUNTED AT CEILING. FINAL CONNECTION BY OWNER. VERIFY EXACT LOCATION WITH OWNER PRIOR TO INSTALL.
3. PER TOC CODE, THIS CIRCUIT SHALL BE CONNECTED TO A PANEL BEHIND LOCKED DOORS OR ON LOCKED BREAKERS.
4. TWO CHANNEL SURFACE RACEWAY WITH BARRIER FOR POWER AND DATA (WIREMOLD 4000 SERIES OR EQUAL). VERIFY MOUNTING HEIGHT WITH WORKSTATIONS PROVIDED BY OWNER.
5. E.C. TO COORDINATE GROUNDING REQUIREMENTS WITH RADIO EQUIPMENT MANUFACTURER. RADIO EQUIPMENT GROUND SHALL BE TIED INTO ELECTRICAL SYSTEM / BUILDING GROUND AS REQUIRED. EXISTING GROUNDING FROM RADIO TOWER SHALL BE RECONNECTED/REBONDED AT NEW RADIO EQUIPMENT LOCATION.
6. PROVIDE 4" EC WITH PULL STRING FROM EXISTING "MDP" TO 2ND FLOOR (LOCATION DETERMINED BY ARCHITECT), CAP OFF 12" AFF.

DUCTLESS SPLIT SYSTEMS (HEAT PUMP + COOLING ONLY)

INDOOR UNIT						OUTDOOR UNIT						
SYMBOL	ELECTRICAL DATA MCA	FUSE	VOLTAGE	DISCONNECT		SYMBOL	COMPRESSOR RLA	ELECTRICAL DATA MCA	FUSE	VOLTAGE	DISCONNECT
AC-1	0.18	–	208V-1ø	30/FPN-2P		CU-1	5.87	7.9	15	208V-1ø	30/FPN-2P-33R
IDU-A1	0.6	15	208V-1ø	30/FPN-2P		ODU-A	–	12.3	20	460V-3ø	30/FPN-2P-33R
IDU-A2	0.6	15	208V-1ø	30/FPN-2P							
IDU-A3	0.6	15	208V-1ø	30/FPN-2P							
IDU-A4	0.6	15	208V-1ø	30/FPN-2P							
IDU-B1	1.5	15	208V-1ø	30/FPN-2P		ODU-B	–	20.6	25	460V-3ø	30/FPN-2P-33R
IDU-B2	0.3	15	208V-1ø	30/FPN-2P							
IDU-B3	1.5	15	208V-1ø	30/FPN-2P							
IDU-B4	0.3	15	208V-1ø	30/FPN-2P							
IDU-C	0.3	–	208V-1ø	30/FPN-2P		ODU-C	–	13.7	20	208V-1ø	30/FPN-2P-33R

FAN SCHEDULE

SYMBOL	LOCATION	ELECTRICAL DATA WATTS	H.P.	VOLTAGE	DISCONNECT
F-1	BATHROOM	50	–	120V-1ø	MOTOR RATED SWITCH
F-2	BATHROOM	80	–	120V-1ø	MOTOR RATED SWITCH
F-3	L-3 ELECT RM	NO	1/4	120V-1ø	MOTOR RATED SWITCH

ELECTRIC WALL/UNIT HEATER SCHEDULE

SYMBOL	LOCATION	KW	MOTOR R.P.M.	AMPS	VOLTAGE	DISCONNECT
EWH-1	STORAGE-110	(3.0)	600	14.4	277/1/60	MOTOR RATED TOGGLE SWITCH
EWH-2	STORAGE-110	(3.0)	600	14.4	277/1/60	MOTOR RATED TOGGLE SWITCH
EWH-3	STORAGE-100	(3.0)	600	14.4	277/1/60	MOTOR RATED TOGGLE SWITCH
EWH-4	STORAGE-100	(3.0)	600	14.4	277/1/60	MOTOR RATED TOGGLE SWITCH
EWH-5	TOILET	(.75)	1060	12.5	120/1/60	MOTOR RATED TOGGLE SWITCH

BASE BOARD ELECTRIC HEATER

EH-1,2,3,4,5,6,7

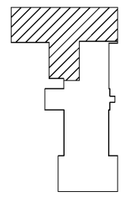
1.0 KW, 277/1/60, 3.6 A
DISCONNECT: MOTOR RATED TOGGLE SWITCH

RATED WALL LEGEND

1 HOUR FIRE BARRIER

2 HOUR FIRE BARRIER

REFER TO ARCHITECTURAL DRAWINGS FOR COMPLETE WALL CONSTRUCTION AND RATING INFORMATION.



KEY PLAN

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WESTERN CAROLINA UNIVERSITY

MOORE HALL GROUND FLOOR RENOVATION

CULLOWHEE, NC

SHEET ISSUE:

NO.	DATE	DESCRIPTION	BY
1	03/07/18	ISSUED FOR BID	

PRINCIPAL IN CHARGE: LR
PROJECT ARCHITECT: AFR
DRAWN BY:

SHEET TITLE:

GROUND FLOOR RENOVATION PLAN - POWER

SHEET NO. E202

PROJ. NO. 017384

AGENCY REVIEW ID. 17-17742-01A

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