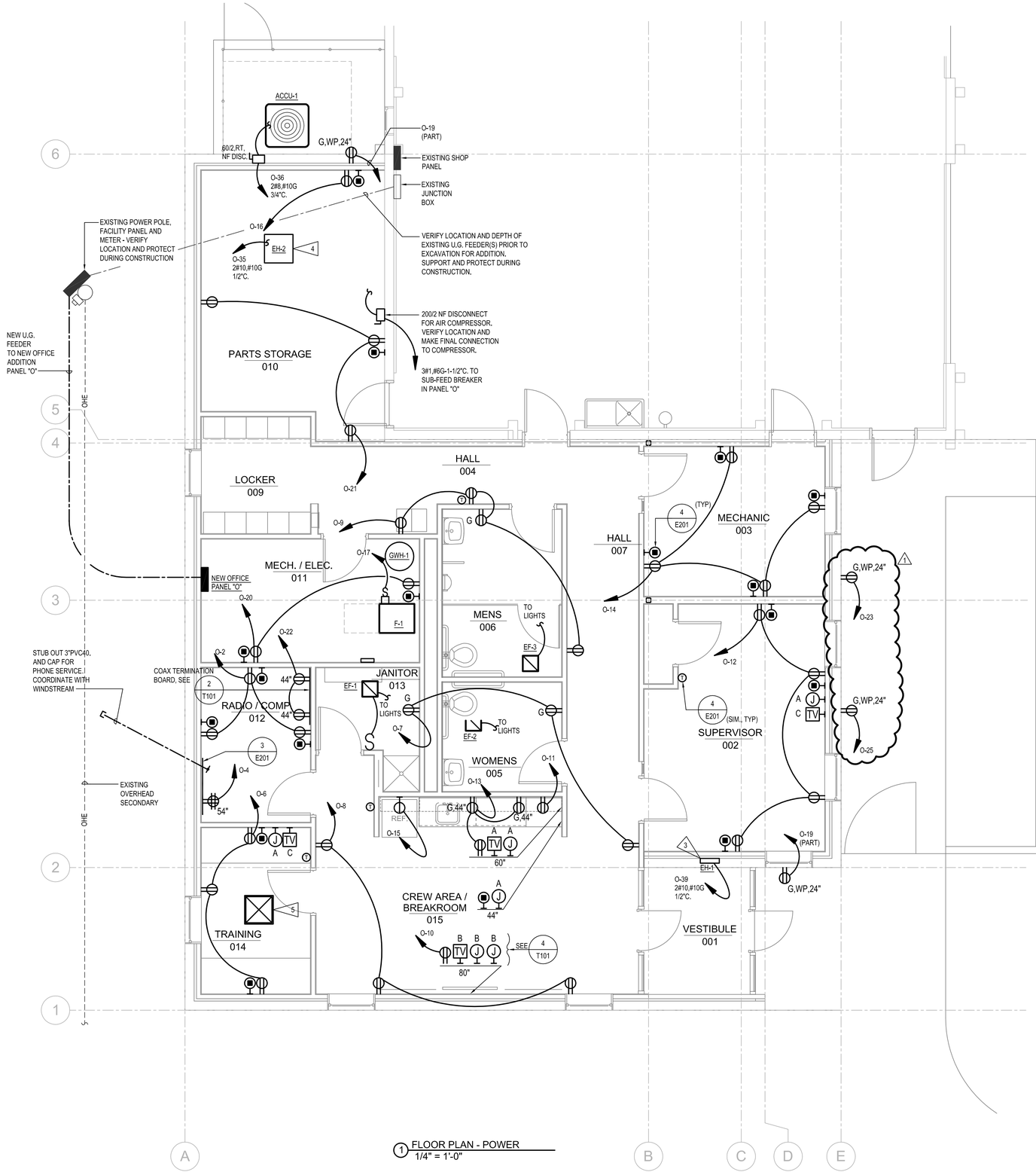
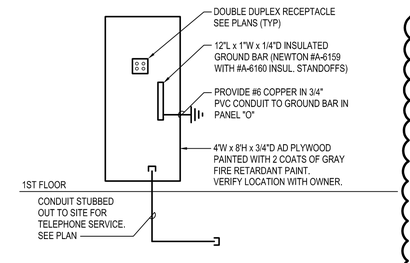


1 FLOOR PLAN - POWER
1/4" = 1'-0"



3 COMMUNICATIONS BOARD DETAIL
NO SCALE

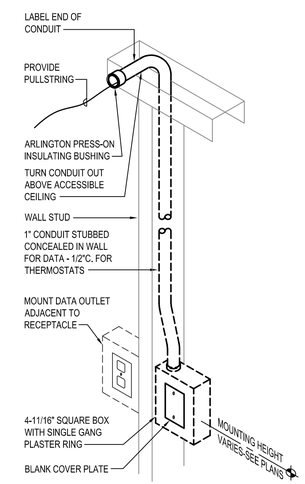
NEW LIGHTING PANEL SCHEDULE

LIGHTING PANEL:	**O (NOTE 1)**	VOLTAGE:	**240/120V**
RATING:	**200A**	PHASE:	**1**
MOUNTING:	**SURFACE**	WIRE:	**3**
TYPE:	**MLO W/ GND. BAR**	A.I.C. RATING:	**SERIES**

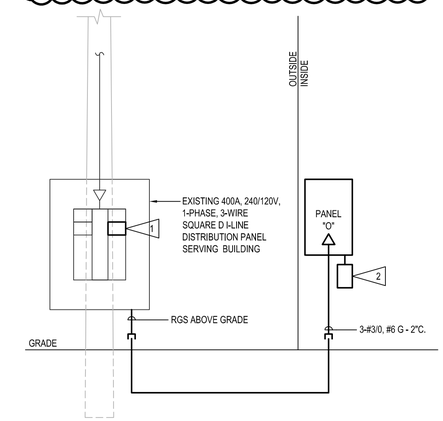
DESCRIPTION	O/C	CKT.		O/C	DESCRIPTION
LTG - HALLWAY/PARTS	20/1	1	2	20/1	REC - RADIO
LTG - RESTROOMS/OFFICES	20/1	3	4	20/1	REC - PHONE BOARD
LTG - BREAK ROOM	20/1	5	6	20/1	REC - TRAINING
REC - RESTROOMS	20/1	7	8	20/1	REC - BREAK ROOM
REC - HALLWAY	20/1	9	10	20/1	REC - TV
REC - CE MACHINE	20/1	11	12	20/1	REC - SUPERVISOR
REC - BREAK COUNTER	20/1	13	14	20/1	REC - MECHANIC
REC - REFRIGERATOR	20/1	15	16	20/1	REC - PARTS STORAGE
FURNACE F-1	20/1	17	18	20/1	LTG - EXTERIOR
REC - EXTERIOR	20/1	19	20	20/1	REC - MECH / ELEC
REC - PARTS STORAGE	20/1	21	22	20/1	REC - RADIO BOARD
REC - EXTERIOR	20/1	23	24	20/1	SPARE
REC - EXTERIOR	20/1	25	26	20/1	SPARE
SPARE	20/1	27	28	20/1	SPARE
SPARE	20/1	29	30	20/1	SPARE
SPACE		31	32		SPACE
SPACE		33	34		SPACE
EH-2	30/2	35	36	30/2	ACCU-1
		37	38		
EH-1	30/2	39	40	30/2	SPD
		41	42		

1

NOTES:
1. PROVIDE (125/2) SUB-FEED BREAKER TO SERVE NEW 10HP AIR COMPRESSOR.



4 COMMUNICATIONS ROUGH-IN
NO SCALE



2 PARTIAL POWER RISER DIAGRAM
NO SCALE

LOW VOLTAGE ROUGH-IN SCHEDULE		
SYMBOL	ROUGH-IN	DESCRIPTION
O A	4-11/16 SQUARE	1" CONDUIT TO ABOVE ACCESSIBLE CEILING
O B	4-11/16 SQUARE	1" CONDUIT TO ABOVE ACCESSIBLE CEILING
M A	4-11/16 SQUARE	1" CONDUIT TO ABOVE ACCESSIBLE CEILING
M B	4-11/16 SQUARE	1" CONDUIT TO ABOVE ACCESSIBLE CEILING
M C	4-11/16 SQUARE	1" CONDUIT TO ABOVE ACCESSIBLE CEILING

GENERAL NOTES

1. MINIMUM SIZE FOR BRANCH CIRCUIT CONDUITS SHALL BE 1/2." MINIMUM DATA/COMMUNICATIONS CONDUIT SIZE SHALL BE 1." SEE DRAWINGS FOR AREAS WHERE LARGER CONDUITS ARE REQUIRED.
2. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT.
3. PROVIDE A GREEN INSULATED GROUND WIRE IN ALL LIGHTING AND POWER BRANCH CIRCUITS.

FLAG NOTES

1. PROVIDE NEW 200/2 BREAKER IN EXISTING SQUARE D I-LINE PANELBOARD TO SERVE NEW OFFICE PANEL "O".
2. PROVIDE A SURGE PROTECTIVE DEVICE (SPD) AT LIGHTING PANEL FOR SURGE PROTECTION OF OFFICE ADDITION. CONNECT TO 30/2 BREAKER WITH #10 WIRE. CONDUCTORS SHALL BE AS SHORT AS POSSIBLE WITH A MINIMUM NUMBER OF BENDS.
3. 4.5KW COMMERCIAL GRADE ELECTRIC WALL HEATER, 240V, 1-PHASE. PROVIDE WITH SURFACE MOUNTING KIT, INTEGRAL DISCONNECT AND THERMOSTAT.
4. 4.5KW COMMERCIAL GRADE ELECTRIC CEILING HEATER, 240V, 1-PHASE. PROVIDE WITH SURFACE MOUNTING KIT, INTEGRAL DISCONNECT AND THERMOSTAT. MAINTAIN RECOMMENDED CLEARANCES.
5. PROVIDE 110V CONNECTION TO 120/24V POWER SUPPLY ON MECHANICAL VAV DIFFUSER FROM ROOM RECEPTACLE CIRCUIT.

MEI PROJECT NO.: 13296

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NEBRASKA DEPARTMENT OF ROADS

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	ISSUE	DATE	DESCRIPTION
1		2-24-14	ADDENDUM #1

NDOR BUILDING NO: 11304
NDOR PROJECT NO: AFE K-100

FLOOR PLAN POWER

JOB NUMBER: 2013-044

DATE: 1.31.14

E-201