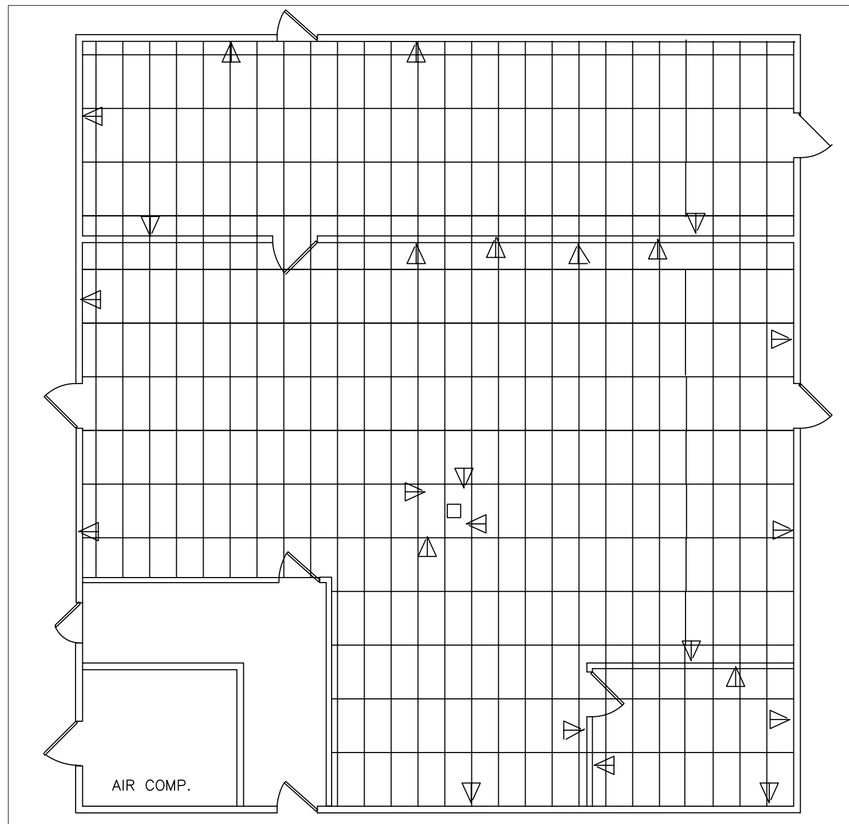
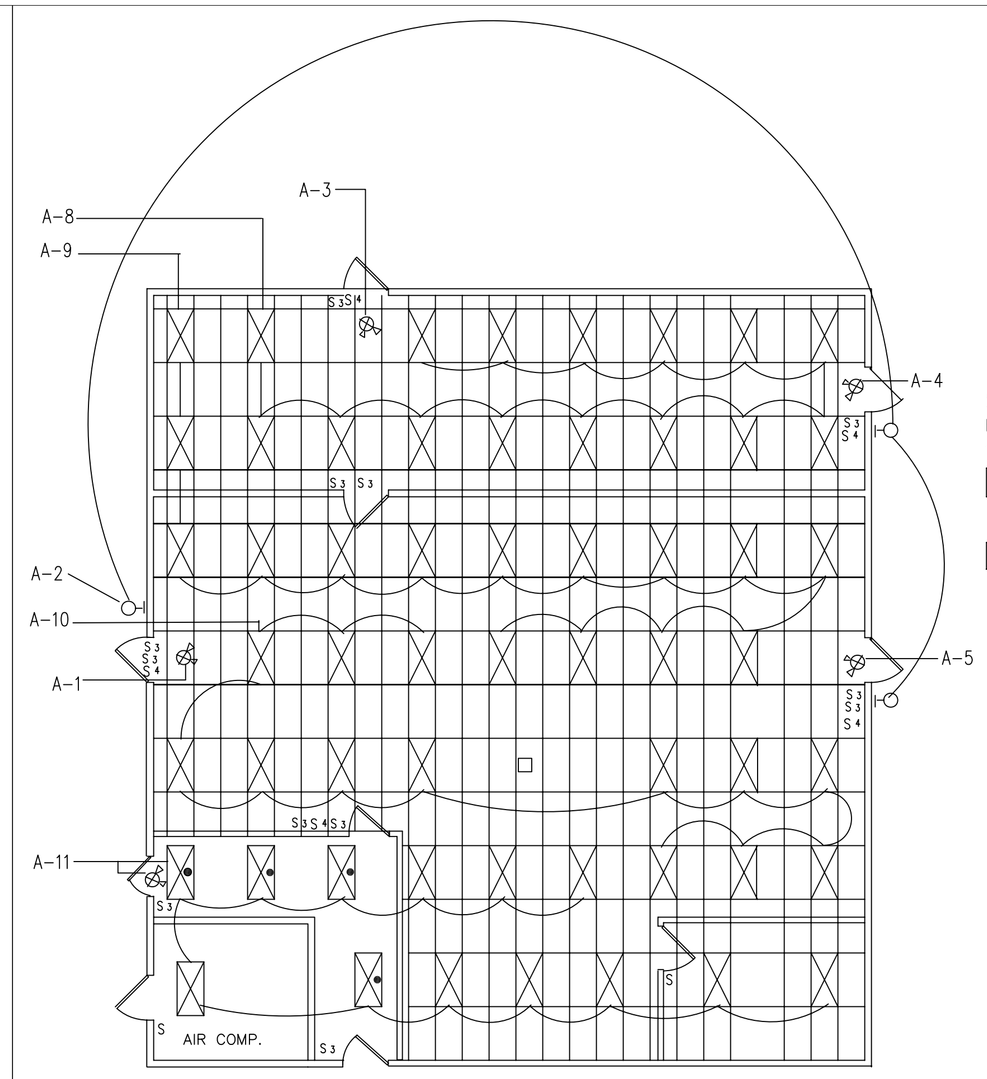


△ –combination data/tele. cable outlet
Electrical contractor to install single gang outlet box at each data/tele. cable outlet, 16" A.F.F., and install 3/4" electric metallic tubing (EMT) from box to above ceiling grid for future.

Telephone/data layout

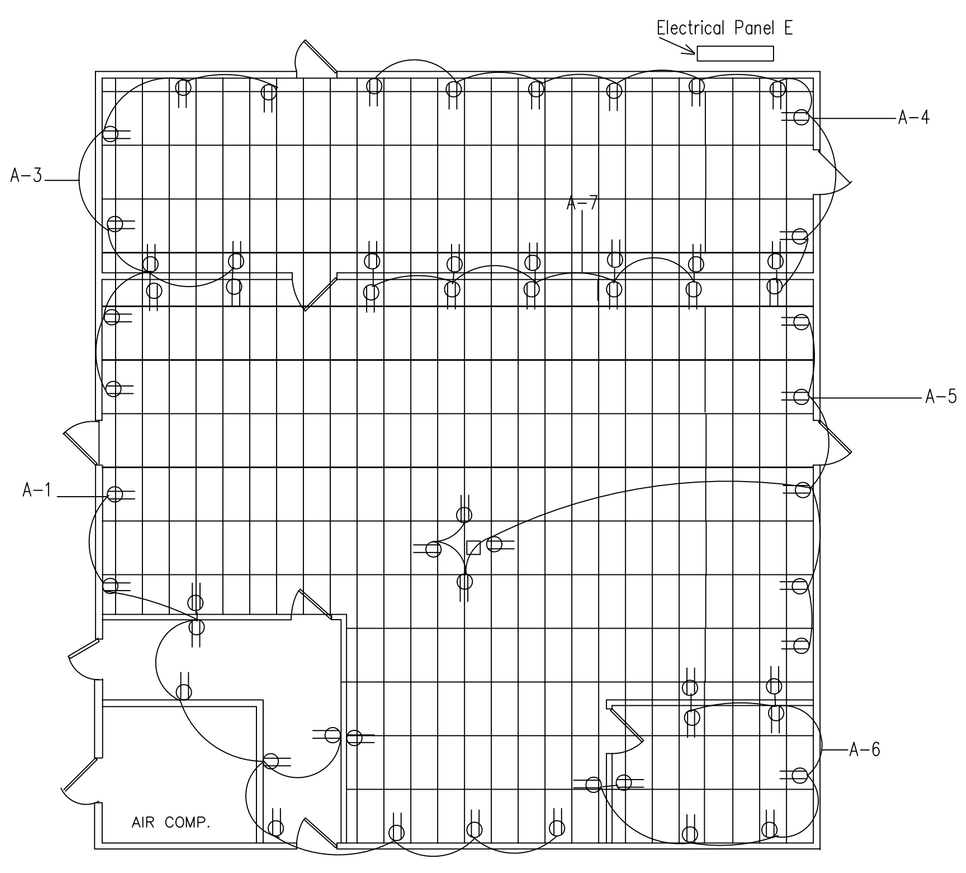
Scale: 1/8"=1'-0"



S–single pole switch
S_4–4–way switch
S_3–3–way switch
–HID light fixture
Emergency exit light
2x4 lay–in fluorescent troffer
Note: switches to be installed 48" AFF
2x4 surface mounted fluorescent troffer

Lighting Plan

Scale: 1/8"=1'-0"



–duplex receptacle, 120v, 20A
distribution panel
3 phase, 120/208V, 225A, 4W, 3R

Receptacle Plan

Scale: 1/8"=1'-0"

PANEL A2 SCHEDULE

VOLTAGE: 120/208 | MOUNTING OUTDOOR | LOCATION: BUILDING #2096
AMP: 225 | 3 PHASE 4 WIRE | AIC:

#	LOAD DESCRIPTION	BKR/P	LOAD	PH	LOAD	BKR/P	LOAD DESCRIPTION	#
1	INSTRUMENT.VAN PEDESTAL	60/3	2000	A	2000	60/3	INSTRUMENT.VAN PEDESTAL	2
3	INSTRUMENT.VAN PEDESTAL	60/3	2000	B	2000	60/3	INSTRUMENT.VAN PEDESTAL	4
5	INSTRUMENT.VAN PEDESTAL	60/3	2000	C	2000	60/3	INSTRUMENT.VAN PEDESTAL	6
7	INSTRUMENT.VAN PEDESTAL	60/3	2000	A	2000	60/3	INSTRUMENT.VAN PEDESTAL	8
9	INSTRUMENT.VAN PEDESTAL	60/3	2000	B	2000	60/3	INSTRUMENT.VAN PEDESTAL	10
11	INSTRUMENT.VAN PEDESTAL	60/3	2000	C	2000	60/3	INSTRUMENT.VAN PEDESTAL	12
13				A				14
15				B				16
17				C				18
19				A				20
21				B				22
23				C				24

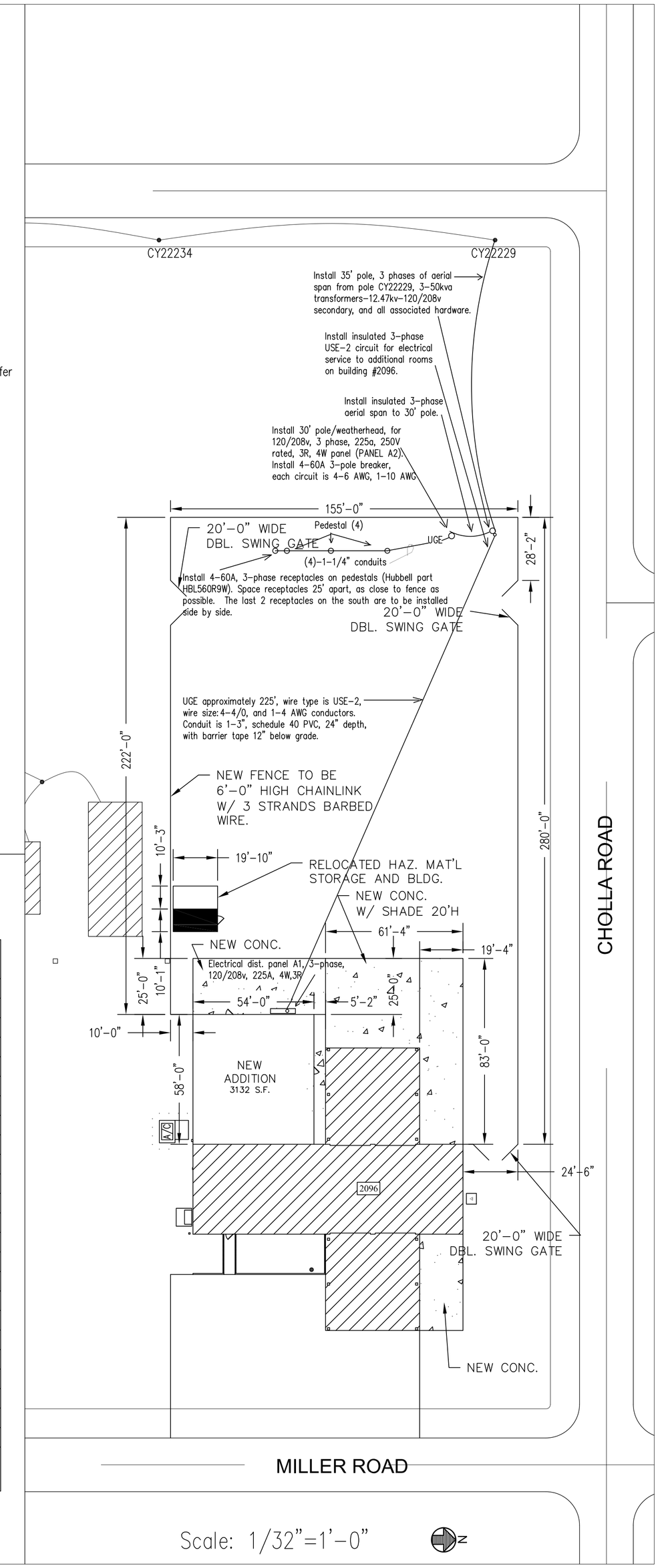
A PHASE LOAD (VA): 8000 CONNECTED VA: 24000
B PHASE LOAD (VA): 8000 DEMAND VA:
C PHASE LOAD (VA): 8000 DEMAND AMPS: 199.99
NOTES: PENDING VAN INFORMATION ON LOAD REQUIREMENTS

PANEL A1 SCHEDULE

VOLTAGE: 120/240 | MOUNTING: | LOCATION: BUILDING #2096
AMP: 200 | SINGLE PHASE 3 WIRE | AIC

#	LOAD DESCRIPTION	BKR/P	LOAD	PH	LOAD	BKR/P	LOAD DESCRIPTION	#
1	MAIN WORK AREA	20	1800	A	525	20	EXTERIOR LIGHTS	2
3	CONFERENCE ROOM	20	1800	B	1620	20	CONFERENCE ROOM	4
5	MAIN WORK AREA	20	1620	C	1620	20	OFFICE	6
7	MAIN WORK AREA/CONF.RM.	20	1800	A	1800	20	LIGHT–CONFERENCE ROOM	8
9	LIGHT–CONF.RM./MAIN	20	1800	B	1560	20	LIGHT–MAIN WORK AREA	10
11	LIGHTS–OFFICE	20	1560	C	PENDING	20/2	FAN COIL UNIT 2	12
13	FAN COIL UNIT 1	20/2	PENDING	A	PENDING	20/2	FAN COIL UNIT 2	14
15	FAN COIL UNIT 1	20/2	PENDING	B	PENDING	20/2	FAN COIL UNIT 3	16
17	HVAC COMPRESSOR	100/3	PENDING	C	PENDING	20/2	FAN COIL UNIT 3	18
19	HVAC COMPRESSOR	100/3	PENDING	A	PENDING	30/2	AIR COMPRESSOR	20
21	HVAC COMPRESSOR	100/3	PENDING	B	PENDING	30/2	AIR COMPRESSOR	22
23	FIRE SYSTEM FLOW BELL	20	PENDING	C	PENDING	20	SOLDERING EXHAUST FAN	24

PHASE A (VA): 3765 CONNECTED VA: 10485
PHASE B (VA): 4080 DEMAND VA:
DEMAND AMPS: 87.372
NOTES: RECEPTACLE LOAD SET TO MINIMUM.



Scale: 1/32"=1'-0"

PROJECT NUMBER: 2830	DRAWN BY:	ENGINEERING:	ENVIORNMENT:	USER:
DESIGNED BY: J.FILSINGER	DATE DRAWN: 25 MAY 2005	FIRE:	SAFETY:	PM:
CHECKED BY:	M PLANNING:	PW RESOURCE:	SECURITY:	COMMUNICATIONS:
APPROVED BY:			DATE:	REAL PROPERTY: YUMA TEST CENTER:

SYMBOL	DESCRIPTION	DATE	CHKD

U.S. ARMY YUMA PROVING GROUND
DIRECTORATE OF PUBLIC WORKS

ADDITION TO BUILDING 2096
ELECTRICAL
PLAN, DETAILS, PANELS

SHEET REFERENCE NUMBER:
E1
SHEET 7 OF 7