

Drawing: P:\OKC\FAC\39702400\DORMIA\ASBUILT\E101GN0A Saved: 09/02/2005 11:32 By: Khalil266 DimScale: 96 (TM=1) XRefs: XTTLBLK

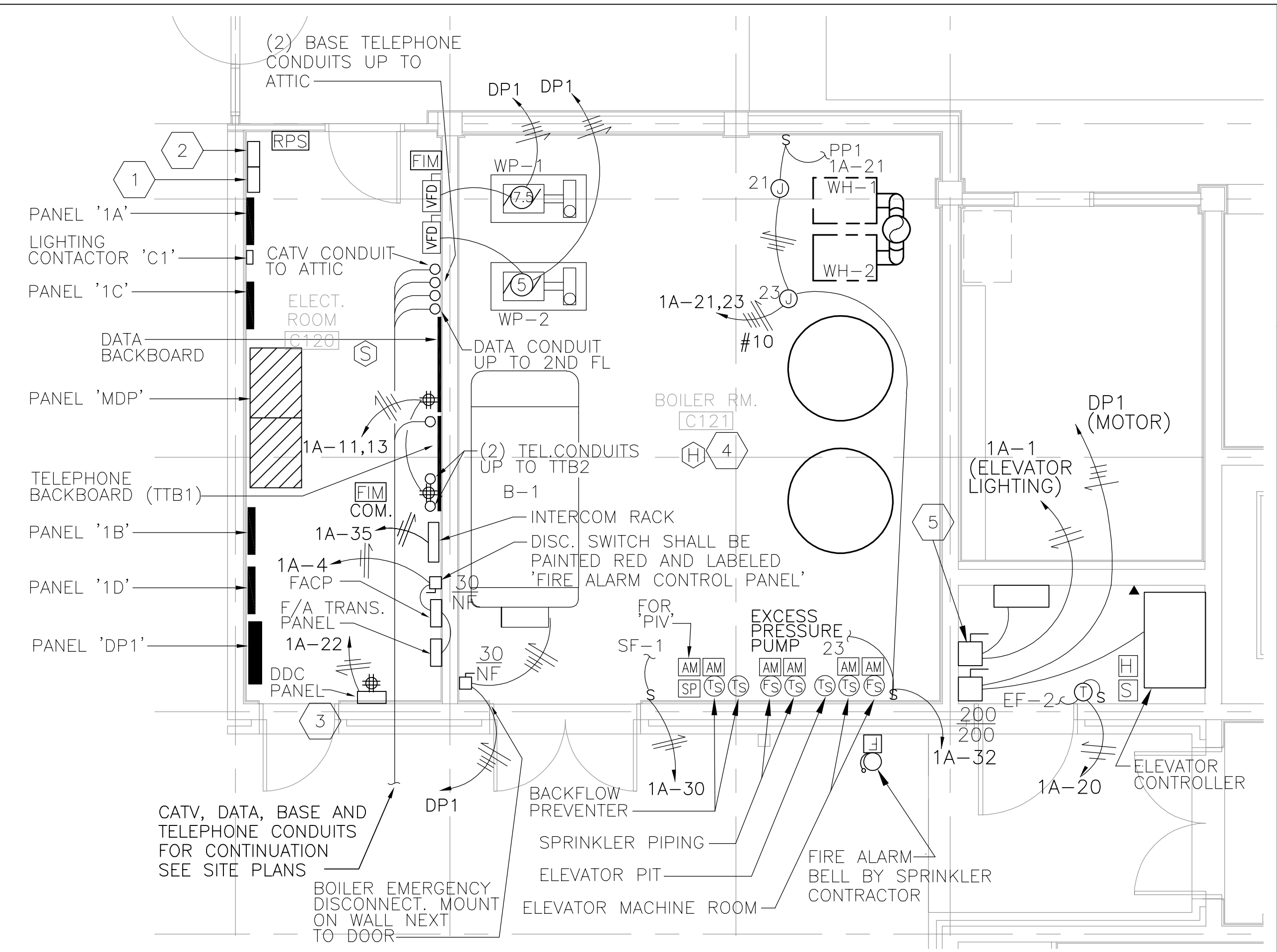
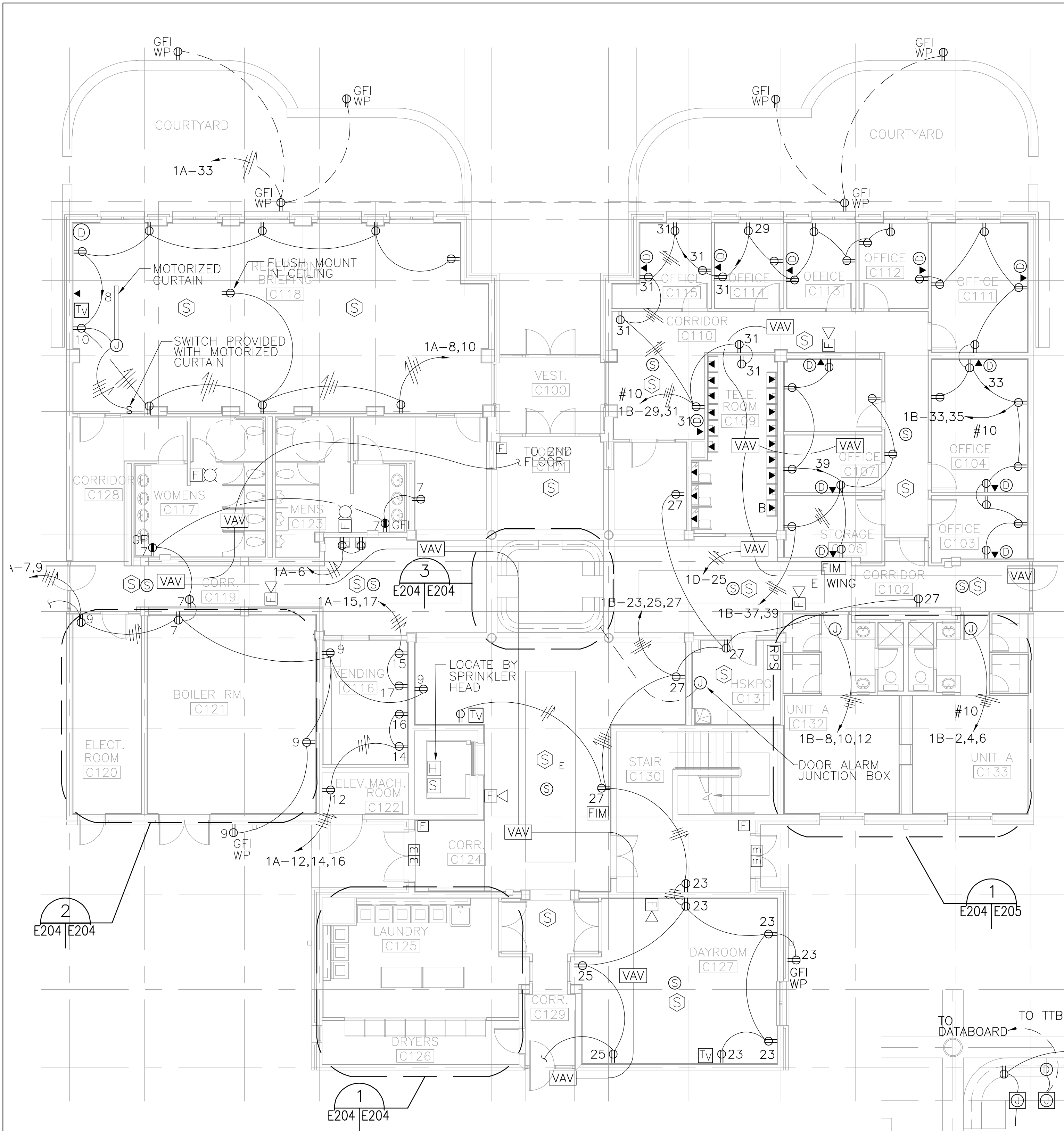
ELECTRICAL SYMBOLS - PLAN		ELECTRICAL SYMBOLS - PLAN		ELECTRICAL SYMBOLS - SCHEMATIC DIAGRAM/ SINGLE LINE DIAGRAM		
	TRANSFORMER	S	SPST, 20A-125V SWITCH		VARIABLE FREQUENCY DRIVE (BY DIV. 15)	
	NON-FUSED SWITCH, SIZE AS INDICATED	S 3	SWITCH, THREE WAY, 20A-125V		SWITCH	
	EXISTING LIGHT POLE	S 4	SWITCH, FOUR WAY, 20A-125V		MEDIUM VOLTAGE (5kv) SWITCH	
	ENCLOSED COMBINATION STARTER W/NEMA SIZE INDICATED: 30 = CIRCUIT BREAKER RATING		VARIABLE FREQUENCY DRIVE WITH DISCONNECT		KILOWATT HOUR/KILOWATT DEMAND METER	
	MOTOR STARTER, NUMBER INDICATES NEMA SIZE		DUPLEX RECEPTACLE, 15A-125V NEMA 5-15, EXCEPT AS NOTED		GROUND	
	NEW OVERHEAD ELECTRICAL LINES		DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER, 15A-125V NEMA 5-15		CIRCUIT BREAKER, 3 POLE UNLESS NOTED MCP INDICATES MOTOR CIRCUIT PROTECTOR	
	EXISTING OVERHEAD ELECTRICAL LINES		QUADRUPLEX RECEPTACLE, 15A-125V NEMA 5-15, EXCEPT AS NOTED		FUSED SWITCH, SIZE AS INDICATED 30-SWITCH RATING, 20-FUSE RATING, NF-NON-FUSED	
	EXISTING UNDER GROUND CONDUIT		SINGLE RECEPTACLE, 20A-125V NEMA 5-20	<b>FIRE ALARM SYMBOLS</b>		
	NEW UNDER GROUND CONDUIT AND WIRE		TELEPHONE BACKBOARD		FIRE ALARM STROBE LIGHT (75 CANDELA)	
	VARIABLE AIR VOLUME BOX	+12*[305]	INDICATED HEIGHT FROM FINISHED FLOOR OR GRADE TO CENTERLINE OF DEVICE		SLEEPING ROOM ALARM SOUNDER	
	PHOTOELECTRIC CELL		LINE VOLTAGE (BY DIVISION 15) THERMOSTAT		POST INDICATOR VALVE	
	CONDUIT OR CONDUCTOR - DIRECT BURIAL OR IN SLAB		BASE TELEPHONE OUTLET (1 JACK PER DEVICE PLATE)		FLOW SWITCH	
	CONDUIT OR CONDUCTOR - CONCEALED IN WALL OR CEILING		TELEPHONE OUTLET, SOUTH CENTRAL BELL (2 JACKS PER DEVICE PLATE)		TAMPER SWITCH	
	CONDUIT OR CONDUCTOR - TURNING UP		DATA OUTLET (2 DATA JACKS PER DEVICE PLATE)		DUCT SMOKE DETECTOR (ADDRESSABLE)	
	CONDUIT OR CONDUCTOR - TURNING DOWN		AIR TERMINAL		FIRE ALARM PULL STATION (ADDRESSABLE)	
	HOMERUN TO PANEL A, CIRCUITS 1 & 3		GROUND ROD (SECTIONAL TYPE) 3/4" X 10' COPPERWELD		FIRE ALARM HORN/STROBE (75 CANDELA)	
	WIRE QUANTITIES - LONG LINE INDICATE NEUTRAL CONDUCTOR, SHORT LINE INDICATE HOT (SWITCHED OR UNSWITCHED) LEG AND GROUND CONDUCTOR		LIGHTNING PROTECTION CABLE		SINGLE STATION DETECTOR	
	CONDUIT - CAPPED		MOTOR WITH HORSEPOWER INDICATED		ELEV. SHAFT/MACH. ROOM SMOKE DETECTOR (ADDRESSABLE W/AUX. CONTACT)	
	JUNCTION BOX,		FLOOR JUNCTION BOX - FLUSH MOUNT		SMOKE DETECTOR (ADDRESSABLE)	
	TV OUTLET		EXISTING TRANSFORMER		HEAT DETECTOR -200' RATED (NOT ADDRESSABLE)	
	FLUORESCENT OR HID FIXTURE - "A" INDICATES TYPE, "2" INDICATES CIRCUIT, "a" INDICATES SWITCHING CONTROL (CALL - OUTS TYP FOR ALL FIXTURES)		EXISTING POWER POLE		FIRE ALARM CONTROL PANEL	
	INCANDESCENT FIXTURE - SURFACE MTD		MAGNETIC DOOR CONTACT (ALARM)		STARTER SHOWN ON RISER FOR AHU	
	FLUORESCENT FIXTURE		SPEAKER (FLUSH MOUNT IN CEILING)		135' HEAT DETECTOR - ELEV. SHAFT/MACH. RM.(ADDRESSABLE W/AUX. CONT.)	
	FLUORESCENT FIXTURE, NIGHT LIGHT WITH BATTERY BACK-UP		DESK MOUNTED MICROPHONE		SMOKE DETECTOR-ELEVATOR LOBBY (ADDRESSABLE W/AUX. CONT.)	
	LIGHTING STANDARDS, POLE MOUNTED		DUPLEX RECEPTACLE - GROUND FAULT INTERRUPTER (INDIVIDUAL FEED)		F/A ADDRESSABLE MODULE	
	HID LIGHT FIXTURE - WALL LIGHTER - FLUSH MOUNTED IN GROUND	<b>ELECTRICAL SYMBOLS - SCHEMATIC DIAGRAM/ SINGLE LINE DIAGRAM</b>				
	EXIT LIGHT - ARROWS AS INDICATED	NORMALLY OPEN	NORMALLY CLOSED	DEVICE		FIRE ALARM CONTROL MODULE
	INDUSTRIAL FLUORESCENT FIXTURE			CONTACT		SURGE PROTECTION
	WALL MOUNTED FLUORESCENT FIXTURE			MOTOR OVERLOAD HEATERS		FAULT ISOLATOR MODULE. FLUSH MOUNTED IN WALL AT +90"[2300].
	LIGHTING CONTACTOR			SELECTOR SWITCH		FIRE ALARM REMOTE 24DC POWER SUPPLY (PROVIDE MINIMUM 3 AMP, 24V DC OUTPUT)
	POWER PANELBOARD			STARTER COIL	<b>ELECTRICAL SYMBOLS - GENERAL</b>	
	DESIGNATES CIRCUITS WITHIN A CONDUIT RUN. PROVIDE REQUIRED WIRE QUANTITIES			FUSE		CALL-OUT FOR DETAIL OR SECTION ON THE DWG'S "3" INDICATES NUMERICAL ORDER ON DETAIL DWG "E101" INDICATES DWG REFERED FROM "E201" INDICATES DETAIL DWG REFERED TO
	SHUNT TRIP DEVICE			CONTROL POWER TRANSFORMER		
	BUILDING GROUND RING CABLE			LOCKING OUT RELAY		
	MONITORING AND PROTECTIVE DEVICE			ELECTRIC OPERATOR		
				MEDIUM VOLTAGE (5kv) VACUUM BREAKER		

**ELECTRICAL ABBREVIATIONS**

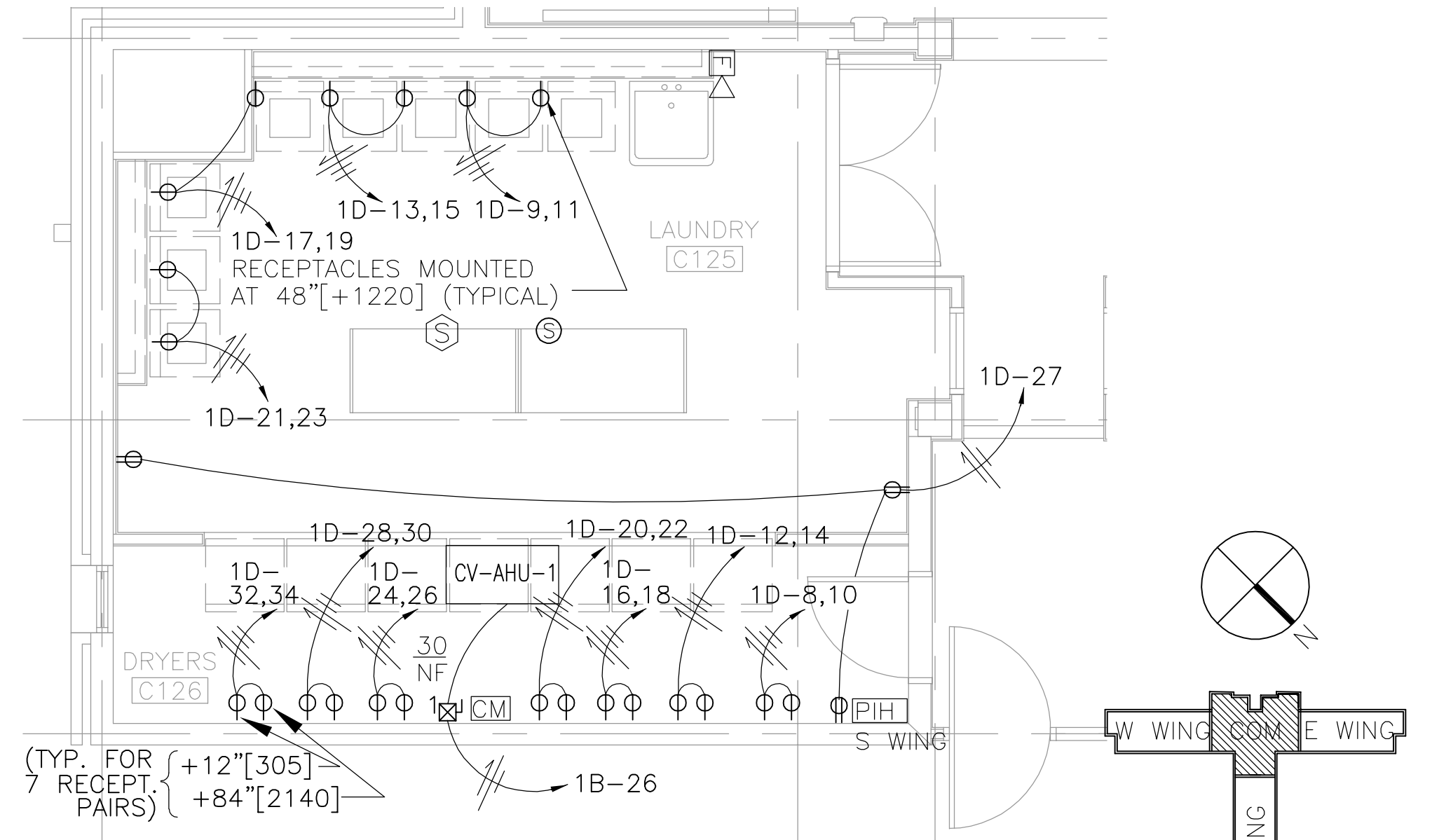
A	A	AMP
	ADA	AMERICANS WITH DISABILITIES ACT
	AFF	ABOVE FINISHED FLOOR
	AFG	ABOVE FINISHED GRADE
	ASC	AMPERE INTERRUPTING CAPACITY, SYMMETRICAL
	AT	AMP TRIP
	AWG	AMERICAN WIRE GAUGE
B	BKR	BREAKER
C	C	CONDUIT
	CATV	COMMUNITY ANTENNA TELEVISION
	CB	CIRCUIT BREAKER
	CKT	CIRCUIT
	CO	CONDUIT ONLY
D	CTRL	CONTROL
	DYC	DIRECT DIGITAL CONTROL
	DWG	DRAWING
E	EF	EXHAUST FAN
	EWC	ELECTRIC WATER COOLER
	EXST	EXISTING
F	FS	FLOW SWITCH
	FVNR	FULL VOLTAGE NON-REVERSING
G	GF1	GROUND FAULT INTERRUPTER
	G.GND	GROUND
H	HOA	HAND/OFF/AUTOMATIC
	HPS	HIGH PRESSURE SODIUM
	HZ	HERTZ
J	J-BOX	JUNCTION BOX
K	KV	KILOVOLT
	KVA	KILOVOLT-AMPERE
	KW	KILOWATT
L	LTG	LIGHTING
	MCB	MAIN CIRCUIT BREAKER
	MCP	MOTOR CIRCUIT PROTECTOR
	MTR	MOTOR
	MTS	MANUAL TRANSFER SWITCH
N	N	NEUTRAL
	NEC	NATIONAL ELECTRICAL CODE
	NFDS	NON-FUSED DISCONNECT SWITCH
	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
O	OHE	OVERHEAD ELECTRIC
	OHW	OVERHEAD WIRING
	OL	OVERLOAD
P	P	POLE
	PB	PULL BOX, PANIC BUTTON
	PNL	PANEL
	PP	POWER POLE
	PR	PAIR
	PVC	POLYVINYL CHLORIDE
	PWR	POWER
R	RECPT	RECEPTACLE
	RGS	RIGID GALVANIZED STEEL
S	SF	SUPPLY FAN
	SW	SWITCH
T	TYP	TYPICAL
U	UG	UNDERGROUND ELECTRIC
V	V	VOLT
	VAV	VARIABLE AIR VOLUME
W	W	WIRE
	WH	WATER HEATER
	WP	WEATHERPROOF

DESIGNER OF RECORD <b>THE BENHAM GROUP / BDA</b> OKLAHOMA CITY, OK. GULFPORT, MS.	DATE 23 FEB 1998
DESIGN <b>JTK</b>	DATE 23 FEB 1998
DISCIPLINE <b>ELECTRICAL</b>	DATE 23 FEB 1998
PROJECT NO. <b>FA301023R0008</b>	DATE 23 FEB 1998
PROJECT NAME <b>STUDENT DORMITORIES</b>	DATE 23 FEB 1998
PROJECT LOCATION <b>BILOXI, MS.</b>	DATE 23 FEB 1998
PROJECT DESCRIPTION <b>SYMBOLS AND ABBREVIATIONS</b>	DATE 23 FEB 1998
PROJECT NO. <b>AS-BUILT</b>	DATE 23 FEB 1998
PROJECT NO. <b>DEC 2004</b>	DATE 23 FEB 1998

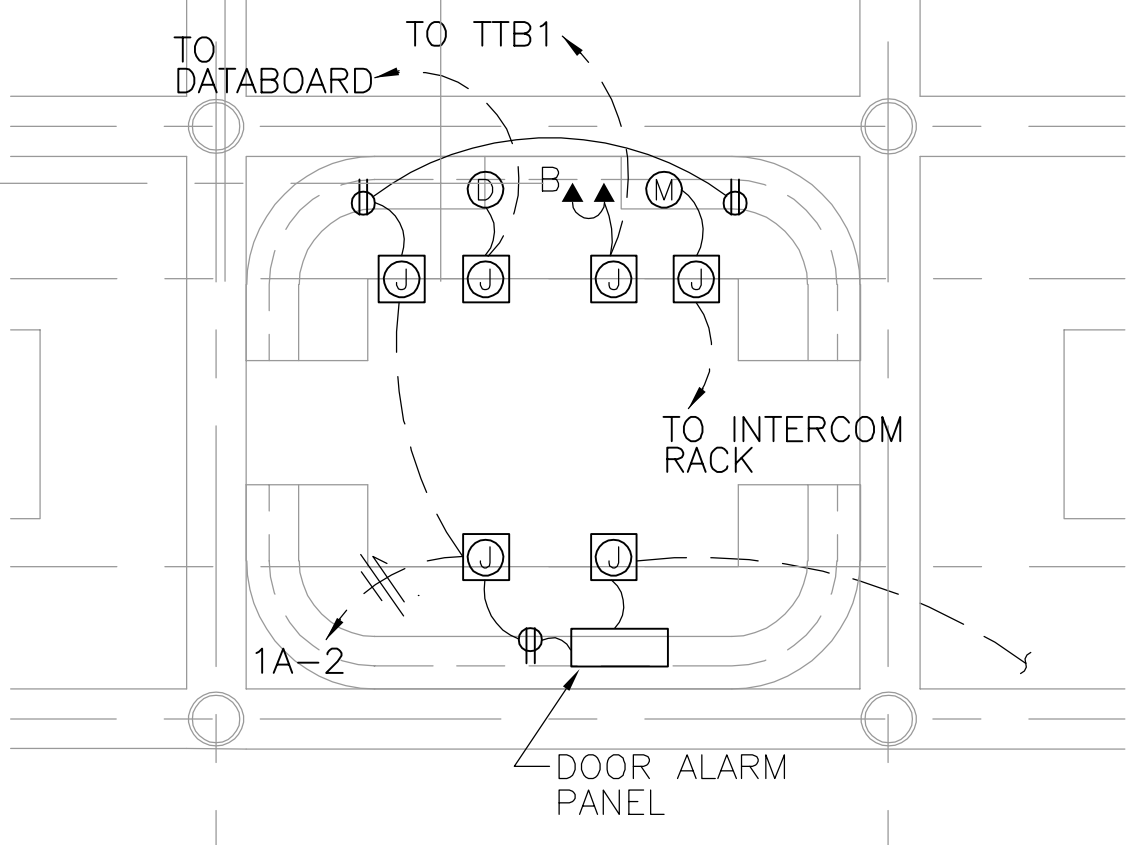
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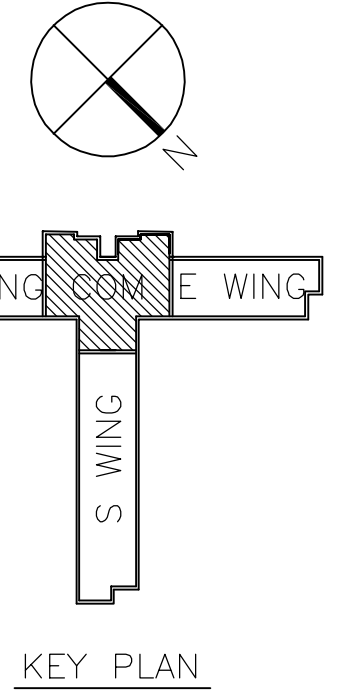
2 ENLARGED MECHANICAL ROOM PLAN  
E204/E204 SCALE: 1/4" [6] = 1'-0" [305]



1 ENLARGED LAUNDRY ROOM PLAN  
E204/E204 SCALE: 1/4" [6] = 1'-0" [305]



3 ENLARGED RECEPTION DESK PLAN  
E204/E204 SCALE: 1/4" [6] = 1'-0" [305]



**SPECIAL NOTES:**

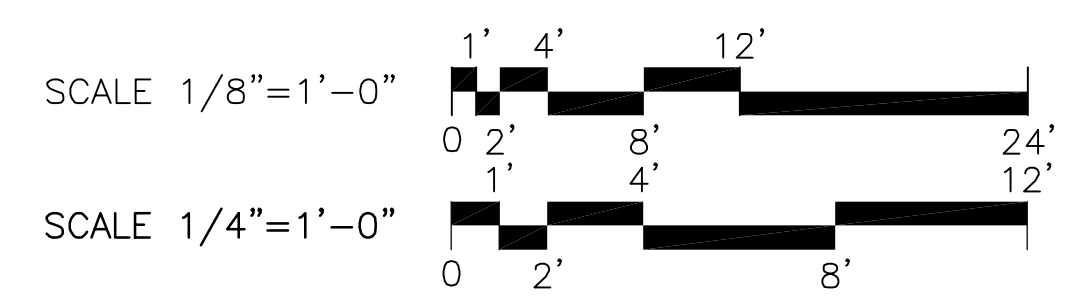
- 1 CATV ENCLOSURE. SEE DRAWING E703.
- 2 BASE TELEPHONE ENCLOSURE. SEE DRAWING E703.
- 3 ALL CONDUITS TO DDC PANEL SHALL BE INSTALLED FROM BOTTOM OF PANEL. NO CONDUITS SHALL ENTER TOP OF PANEL.
- 4 HEAT DETECTOR SHALL BE 200° FIXED TEMPERATURE ONLY.
- 5 120 VOLT, 20 AMPERE, SINGLE POLE, ENCLOSED CIRCUIT BREAKER IN NEMA 1 ENCLOSURE.

**COMMONS, FIRST FLOOR POWER PLAN**  
SCALE: 1/8" [3] = 1'-0" [305]

**GENERAL NOTES:**

- 1. FIRE ALARM DEVICE LOCATIONS SHOWN ON DRAWINGS ARE APPROXIMATE. EXACT/FINAL LOCATIONS SHALL BE COORDINATED WITH OTHER TRADES AND SHALL COMPLY WITH NFPA 72, ADA AND SPECIFICATIONS.
- 2. EXPOSED CONDUITS ARE ACCEPTABLE IN ROOMS C120, C121, C122 AND BEHIND DRYERS IN ROOM C125 ONLY. IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

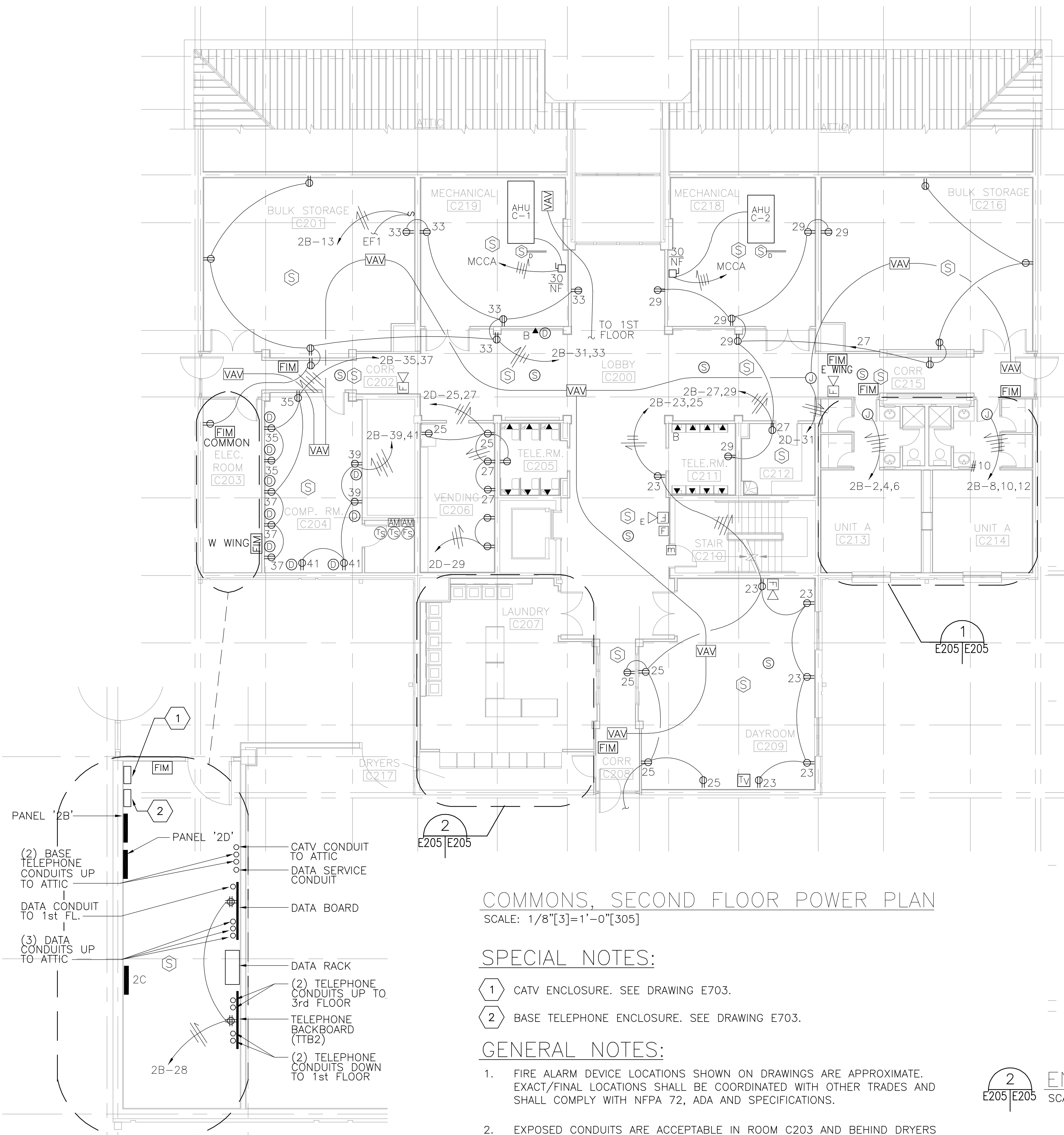
DIMENSIONS SHOWN IN BRACKETS ARE IN MILLIMETERS.



DORM "A"

DESIGNER OF RECORD <b>THE BENHAM GROUP / BDA</b> JOINT VENTURE OKLAHOMA CITY, OK. GULFPORT, MS.	PREP BY <b>SRD</b>	DATE APPROVD <b>15 APR 98</b>
ISSN <b>JTK</b>	OWNER REQUESTED CHANGES ENCIRCLED <b>SLS</b>	DATE <b>19 MAR 99</b>
DISCIPLINE <b>ELECTRICAL</b>	OWNER REQUESTED CHANGES ENCIRCLED <b>SLS</b>	DATE <b>3 SEPT 99</b>
PROJECT NO. <b>5345435</b>	DATE <b>23 FEB 1998</b>	DATE <b>DEC 2004</b>
SHEET 157 OF		AS-BUILT

Drawing: P:\OKC\FAC\39702400\DORMA\ASBUILT\E205PNOA Saved: 09/02/2005 11:31 By: Kha11266 DimScale: 48.00 (TM=1) XRefs: XTITLBLK XARBAK2C

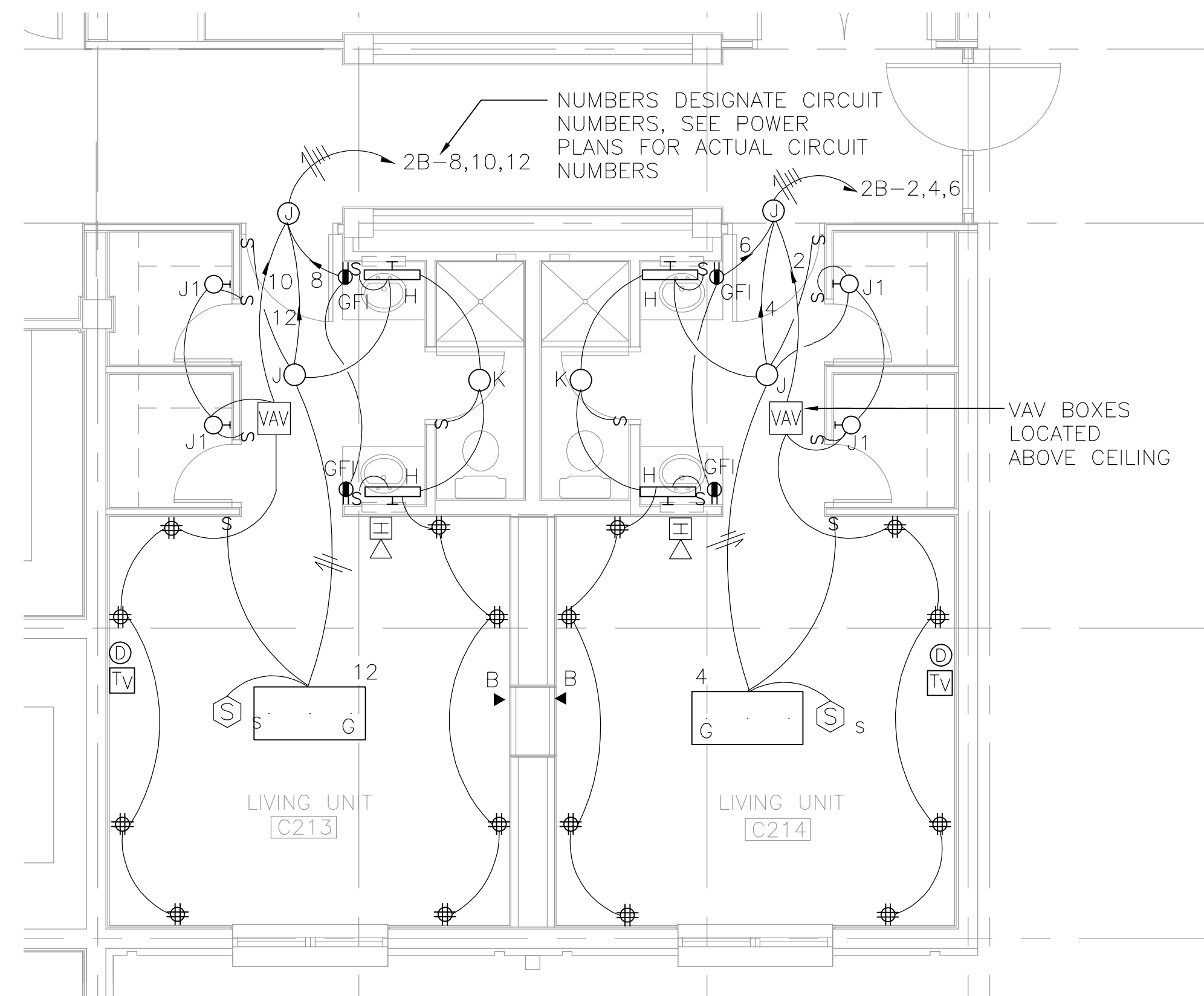


**COMMONS, SECOND FLOOR POWER PLAN**  
SCALE: 1/8" [3] = 1'-0" [305]

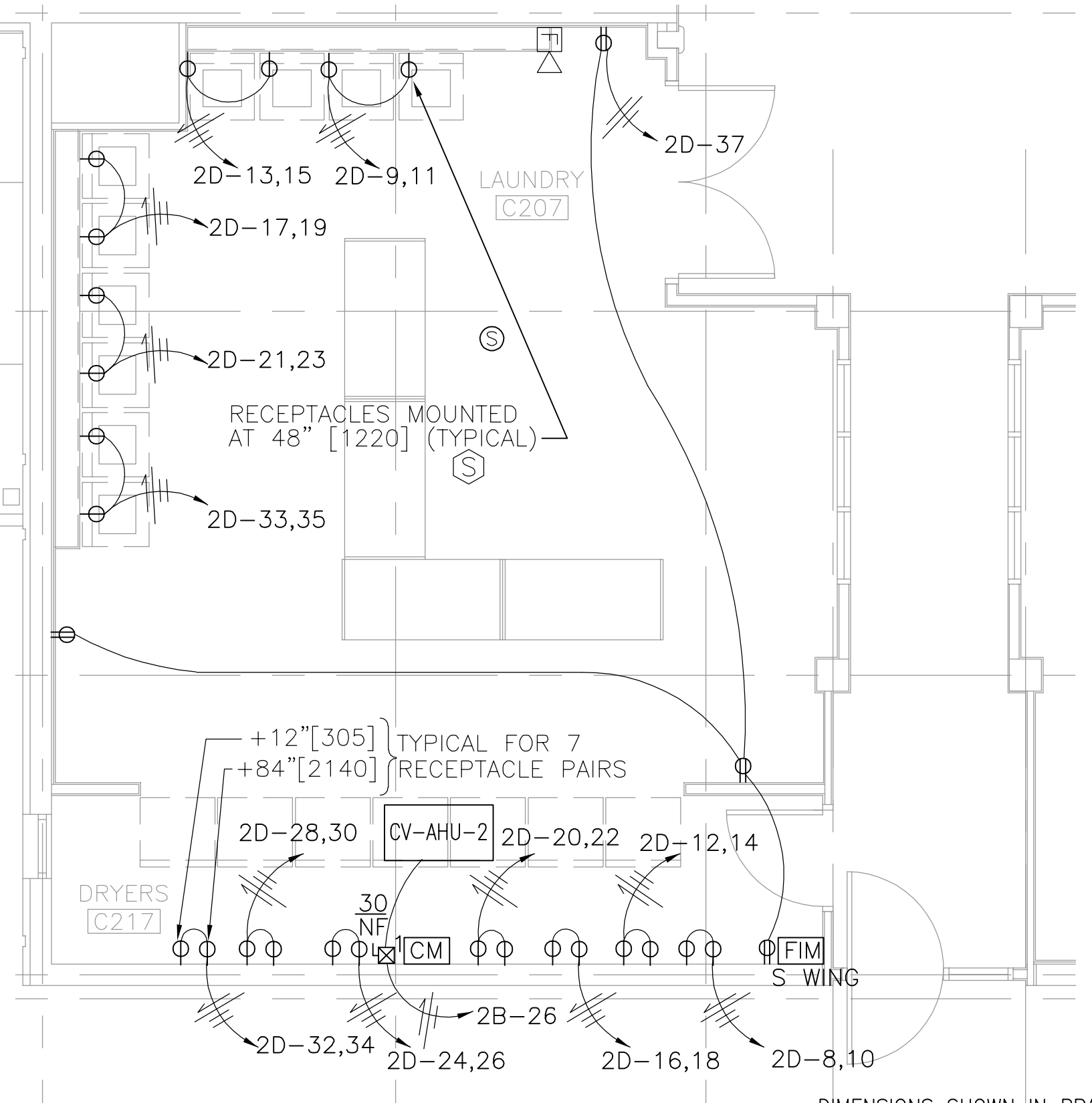
- SPECIAL NOTES:**
- 1 CATV ENCLOSURE. SEE DRAWING E703.
  - 2 BASE TELEPHONE ENCLOSURE. SEE DRAWING E703.

- GENERAL NOTES:**
1. FIRE ALARM DEVICE LOCATIONS SHOWN ON DRAWINGS ARE APPROXIMATE. EXACT/FINAL LOCATIONS SHALL BE COORDINATED WITH OTHER TRADES AND SHALL COMPLY WITH NFPA 72, ADA AND SPECIFICATIONS.
  2. EXPOSED CONDUITS ARE ACCEPTABLE IN ROOM C203 AND BEHIND DRYERS IN ROOM C207 ONLY.

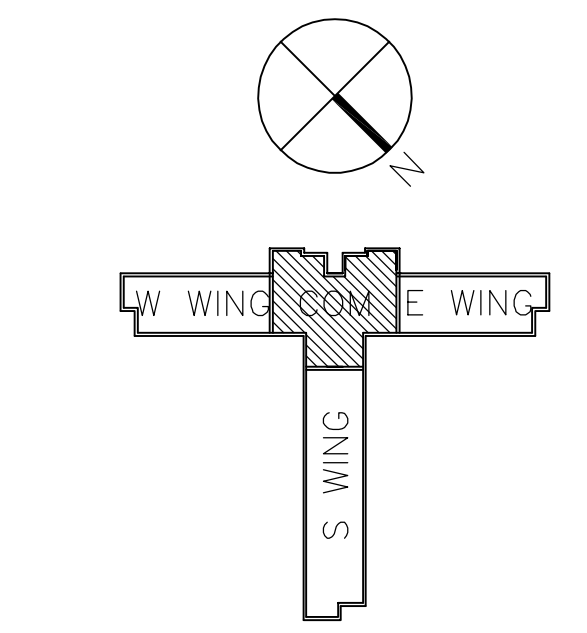
IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



**LIGHTING AND POWER PLAN - TYPICAL LIVING UNIT MODULE**  
SCALE: 1/4" [6] = 1'-0" [305]



**ENLARGED LAUNDRY ROOM PLAN**  
SCALE: 1/4" [6] = 1'-0" [305]



DIMENSIONS SHOWN IN BRACKETS ARE IN MILLIMETERS.

SCALE 1/8" = 1'-0"

SCALE 1/4" = 1'-0"

RECORD DRAWING DATE: 06091  
 CODE ID. NO.: 80091  
 DRAWING SIZE: AS NOTED  
 SPEC. NO.: 06-97-0866  
 CONSTR. CONTR. NO.: N62467-97-C-0866  
 NAVFAC DRAWING NO.: 5345436  
 SHEET 158 OF

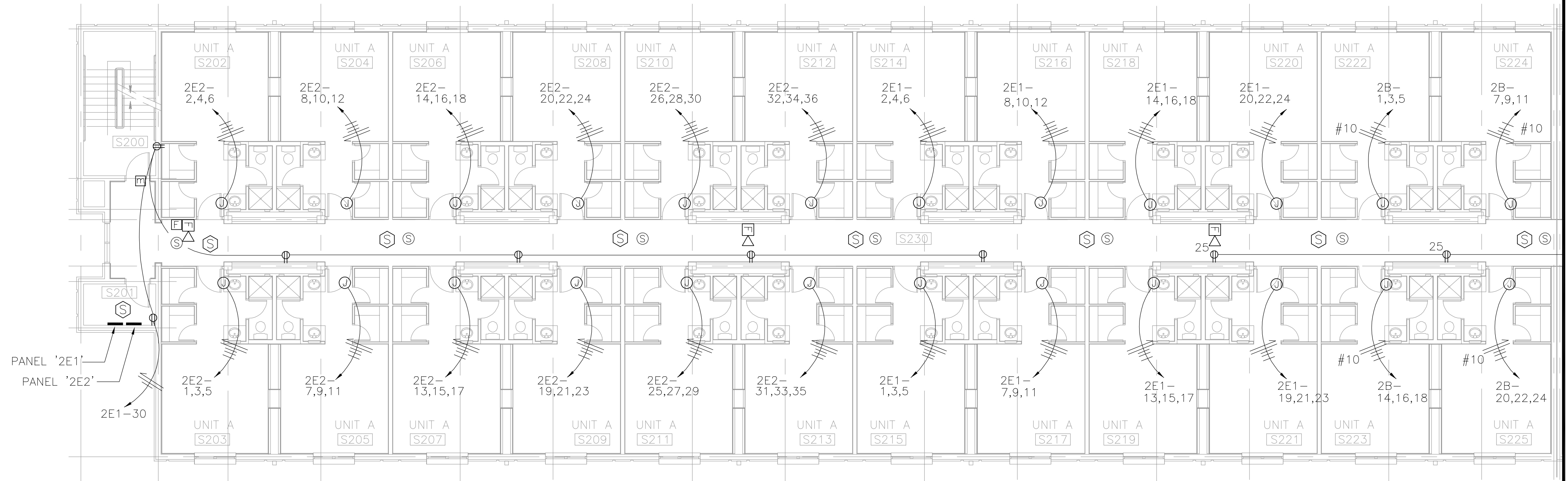
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DESIGNED BY JTK	REV. DESCRIPTION OWNER REQUESTED CHANGES ENCIRCLED	DATE 23 FEB 1998
DISCIPLINE ELECTRICAL	PROJECT NO. AS-BUILT	DATE DEC 2004
SEAL AREA SOUTHERN DIVISION CHARLESTON, S.C.	NAVAL FACILITIES ENGINEERING COMMAND	APPROVED
KEESLER AIR FORCE BASE STUDENT DORMITORIES FY-98 COMMONS, 2ND FLOOR POWER PLAN	BILOXI, MS.	
<b>E205</b>		
AS-BUILT DRAWINGS		



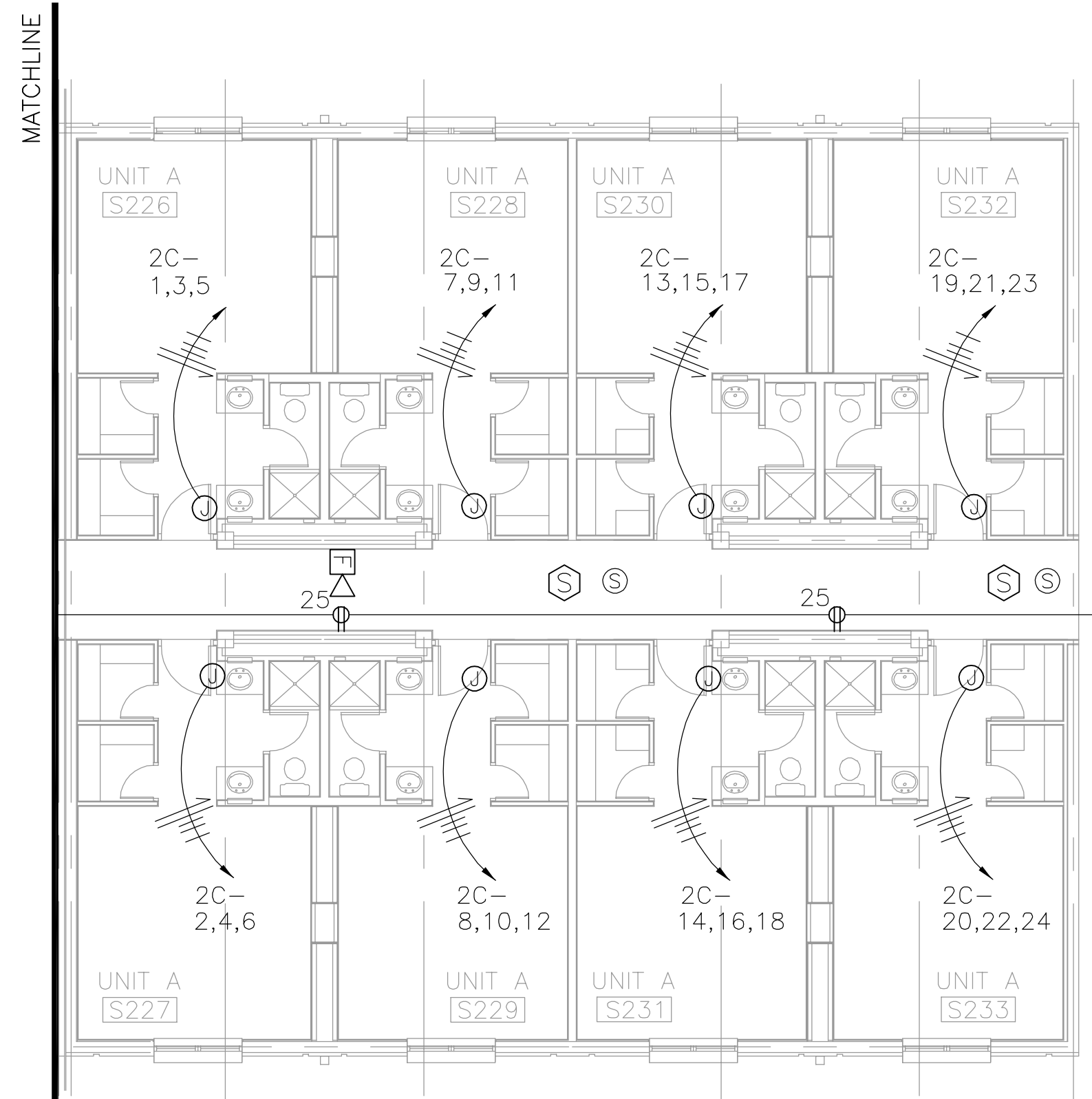




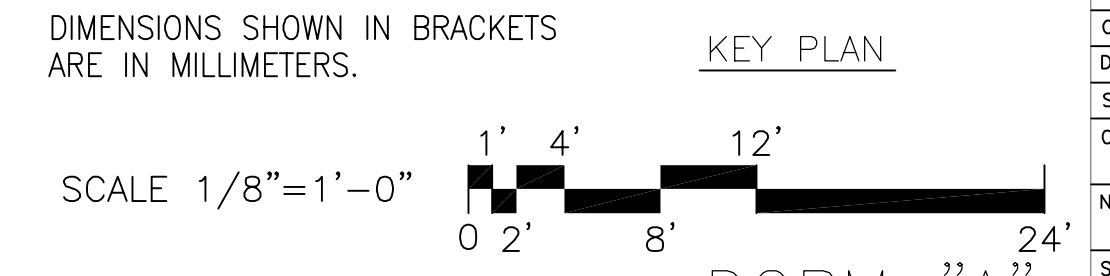
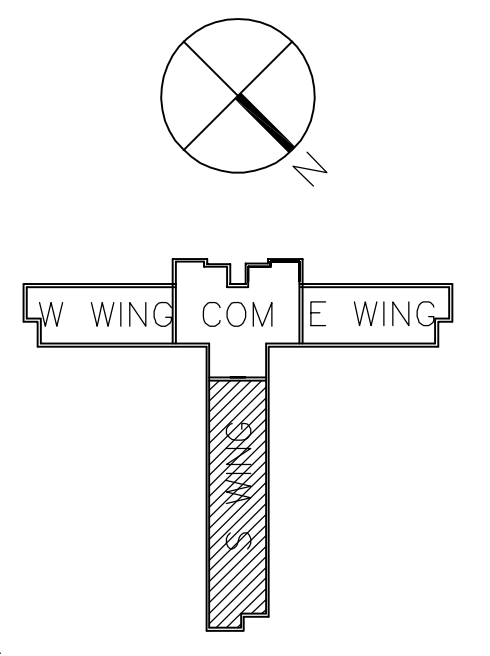
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S WING - SECOND FLOOR POWER PLAN  
SCALE: 1/8" [3] = 1'-0" [305]



- GENERAL NOTE:**
- FIRE ALARM DEVICE LOCATIONS SHOWN ON DRAWINGS ARE APPROXIMATE. EXACT/FINAL LOCATIONS SHALL BE COORDINATED WITH OTHER TRADES AND SHALL COMPLY WITH NFPA 72, ADA AND SPECIFICATIONS.
  - EXPOSED CONDUITS ARE ACCEPTABLE IN ROOM S201 ONLY. CONDUIT IN STAIRWELLS SHALL BE CONCEALED.

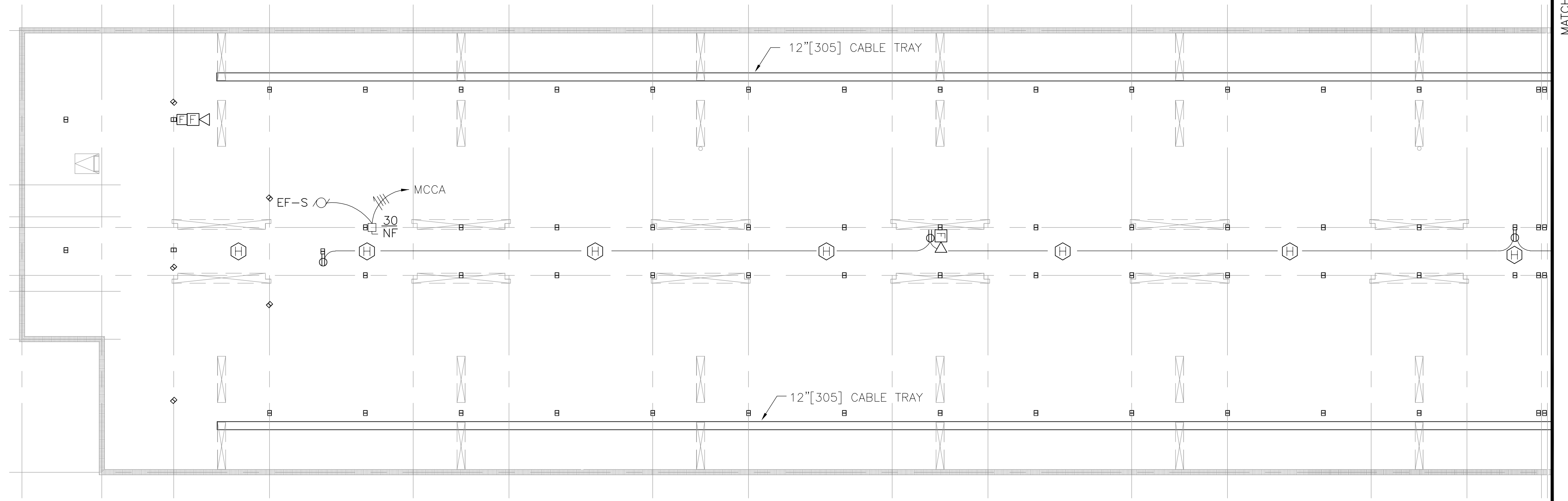
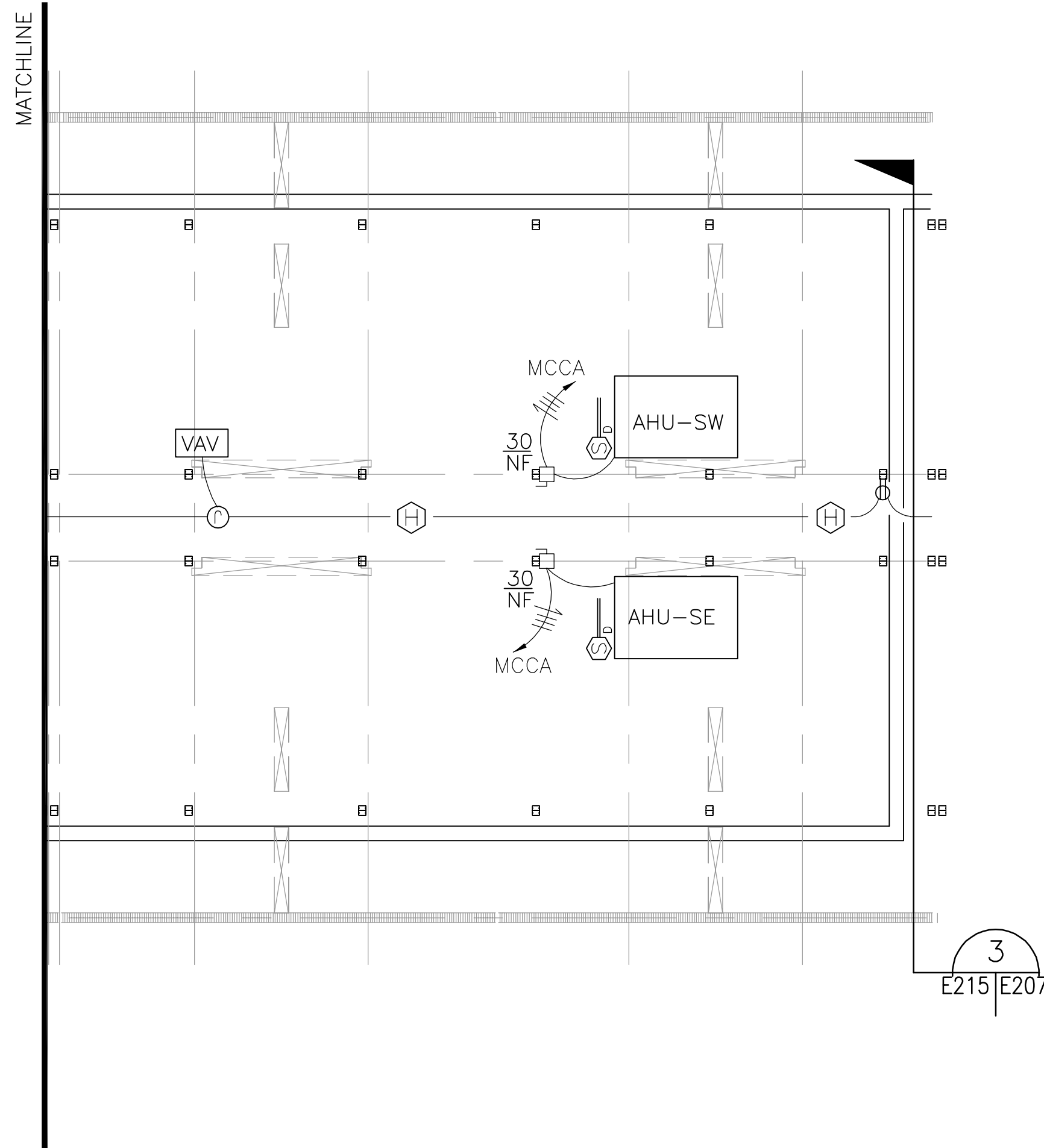


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DESIGNER OF RECORD <b>THE BENHAM GROUP / BDA</b> JOINT VENTURE OKLAHOMA CITY, OK. GULFPORT, MS.		DATE 23 FEB 1998
DISCIPLINE <b>ELECTRICAL</b>	PROJECT NO. S. HULL	DATE DEC 2004
REV. DESCRIPTION	PREP BY	DATE APPROVD
AS-BUILT		
SOUTHERN DIVISION CHARLESTON, S.C.		DATE
KEESLER AIR FORCE BASE STUDENT DORMITORIES FY-98 S WING, 2ND FLOOR POWER PLAN		DATE
RECORD DRAWING DATE		DATE
CODE ID. NO. 80091		DATE
DRAWING SIZE: 1/8" = 1'-0" D		DATE
SPEC. NO. 06-97-0866		DATE
CONSTR. CONTR. NO. N62467-97-C-0866		DATE
NAVFAC DRAWING NO. 5345444		DATE
SHEET 166 OF		DATE
E213		DATE







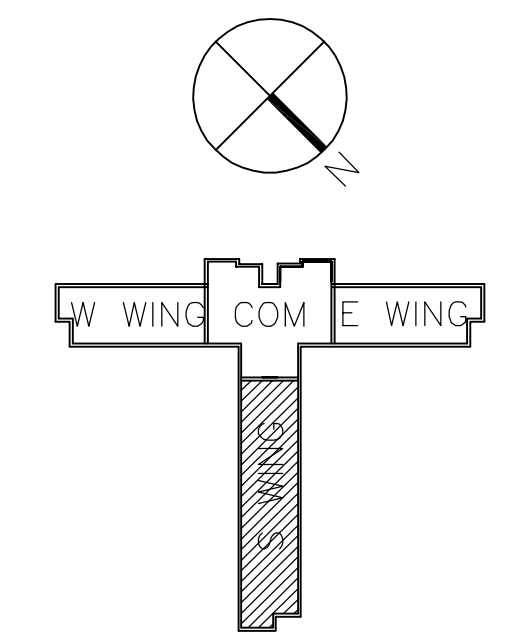
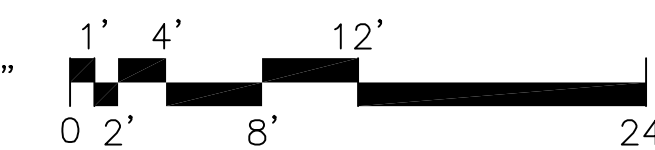
S WING - ATTIC POWER PLAN  
SCALE: 1/8" [3] = 1'-0" [305]

GENERAL NOTE:

- HEAT DETECTORS TO BE SUSPENDED AT 10'-0" [3048] A.F.F.
- FIRE ALARM DEVICE LOCATIONS SHOWN ON DRAWINGS ARE APPROXIMATE. EXACT/FINAL LOCATIONS SHALL BE COORDINATED WITH OTHER TRADES AND SHALL COMPLY WITH NFPA 72, ADA AND SPECIFICATIONS.
- EXPOSED CONDUITS ARE ACCEPTABLE IN ATTIC AREA ONLY.

DIMENSIONS SHOWN IN BRACKETS ARE IN MILLIMETERS.

SCALE 1/8" = 1'-0"



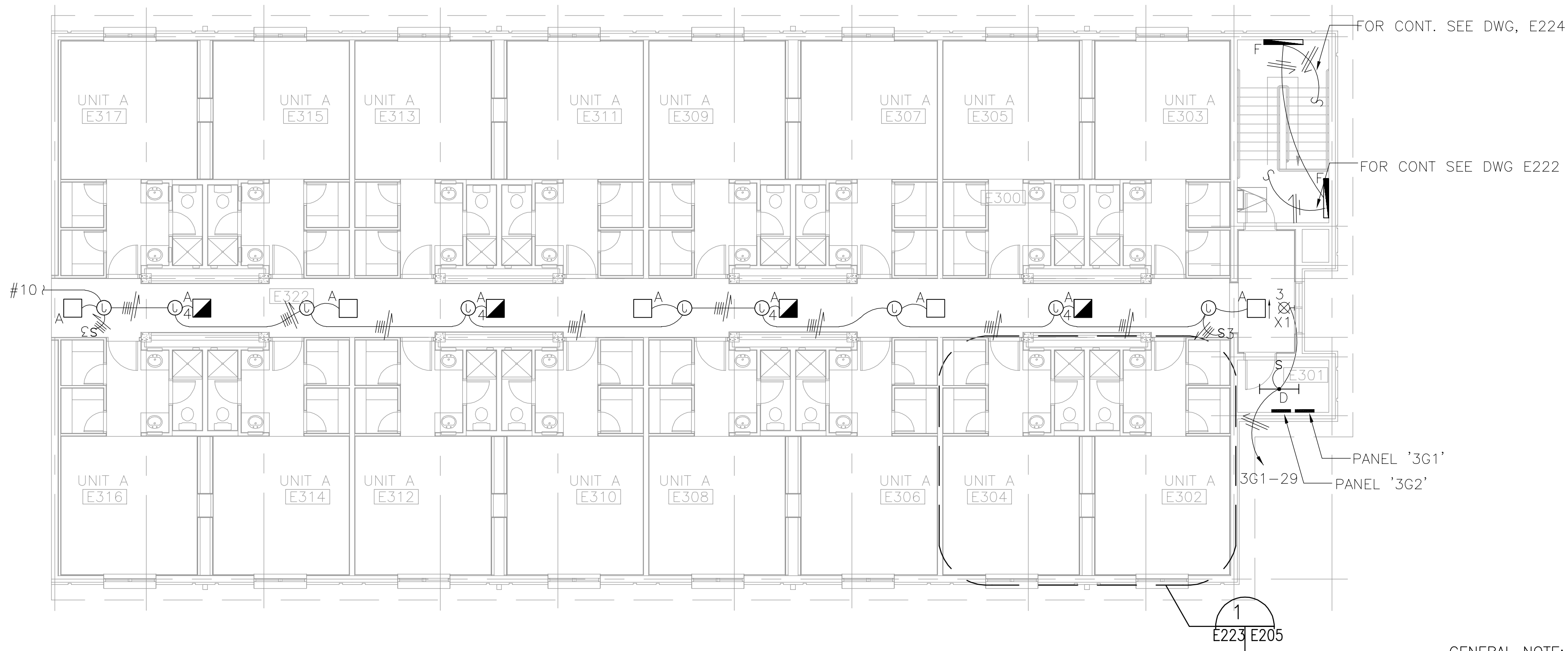
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DESIGNER OF RECORD <b>THE BENHAM GROUP / BDA</b> JOINT VENTURE OKLAHOMA CITY, OK. GULFPORT, MS.	DESIGNER OF RECORD <b>THE BENHAM GROUP / BDA</b> JOINT VENTURE OKLAHOMA CITY, OK. GULFPORT, MS.
PERSON JTK	PERSON JTK
DATE 23 FEB 1998	DATE 23 FEB 1998
DISCIPLINE ELECTRICAL	DISCIPLINE ELECTRICAL
PROJECT NO. S. HULL	PROJECT NO. S. HULL
REV. DESCRIPTION	REV. DESCRIPTION
PREP BY	PREP BY
DATE	DATE
APPROVED	APPROVED
AS-BUILT	AS-BUILT
RECORD DRAWING DATE	RECORD DRAWING DATE
CODE ID. NO. 80091	CODE ID. NO. 80091
DRAWING SIZE: 1/8" = 1'-0" D	DRAWING SIZE: 1/8" = 1'-0" D
SPEC. NO. 06-97-0866	SPEC. NO. 06-97-0866
CONSTR. CONTR. NO. N62467-97-C-0866	CONSTR. CONTR. NO. N62467-97-C-0866
NAVFAC DRAWING NO. 5345446	NAVFAC DRAWING NO. 5345446
SHEET 168 OF	SHEET 168 OF
E215	E215





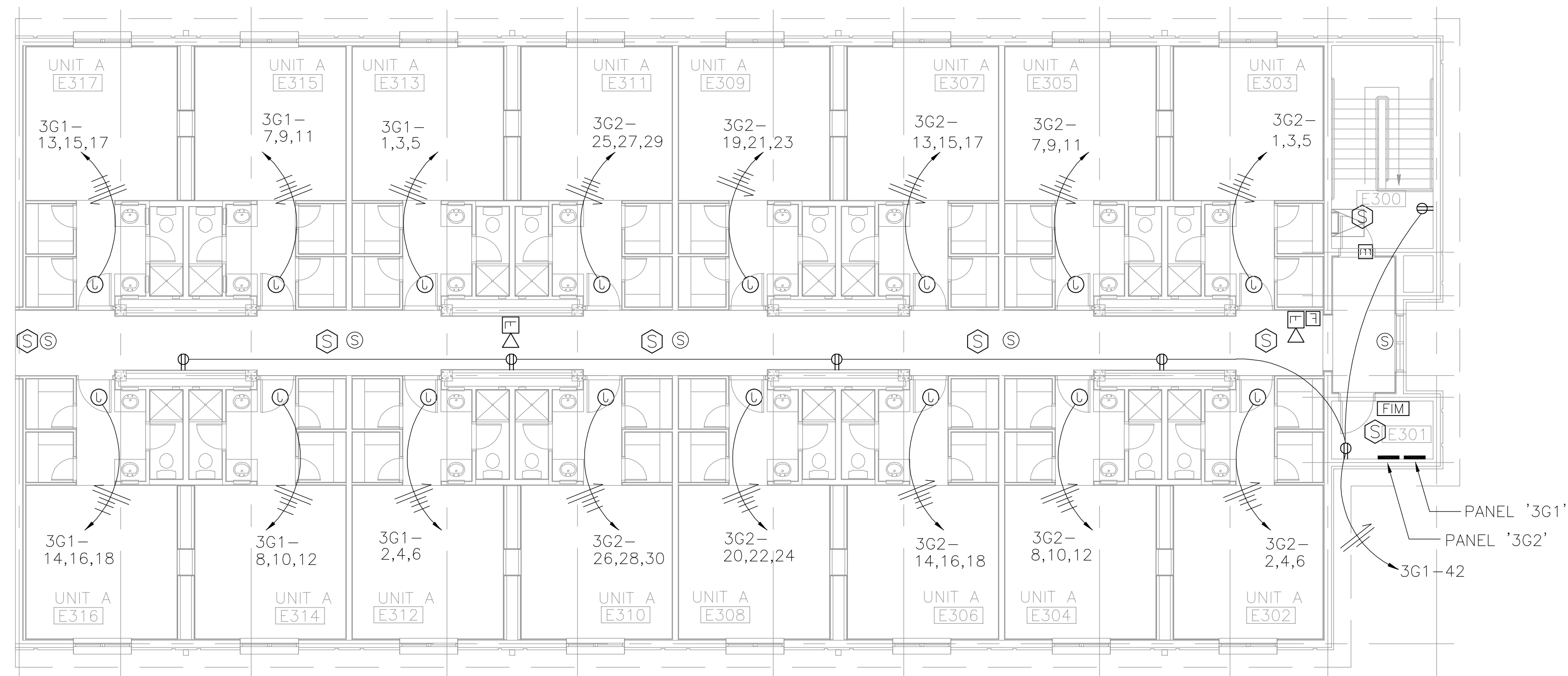
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**E WING THIRD FLOOR LIGHTING PLAN**  
SCALE: 1/8"=1'-0"[305]

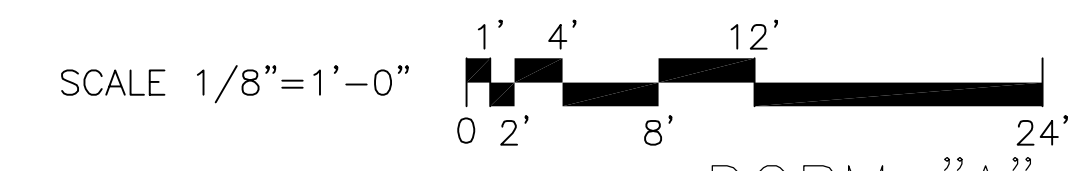
**GENERAL NOTE:**

1. FIRE ALARM DEVICE LOCATIONS SHOWN ON DRAWINGS ARE APPROXIMATE. EXACT/FINAL LOCATIONS SHALL BE COORDINATED WITH OTHER TRADES AND SHALL COMPLY WITH NFPA 72, ADA AND SPECIFICATIONS.
2. EXPOSED CONDUITS ARE ACCEPTABLE IN ROOM E301 ONLY. CONDUIT IN STAIRWELLS SHALL BE CONCEALED.



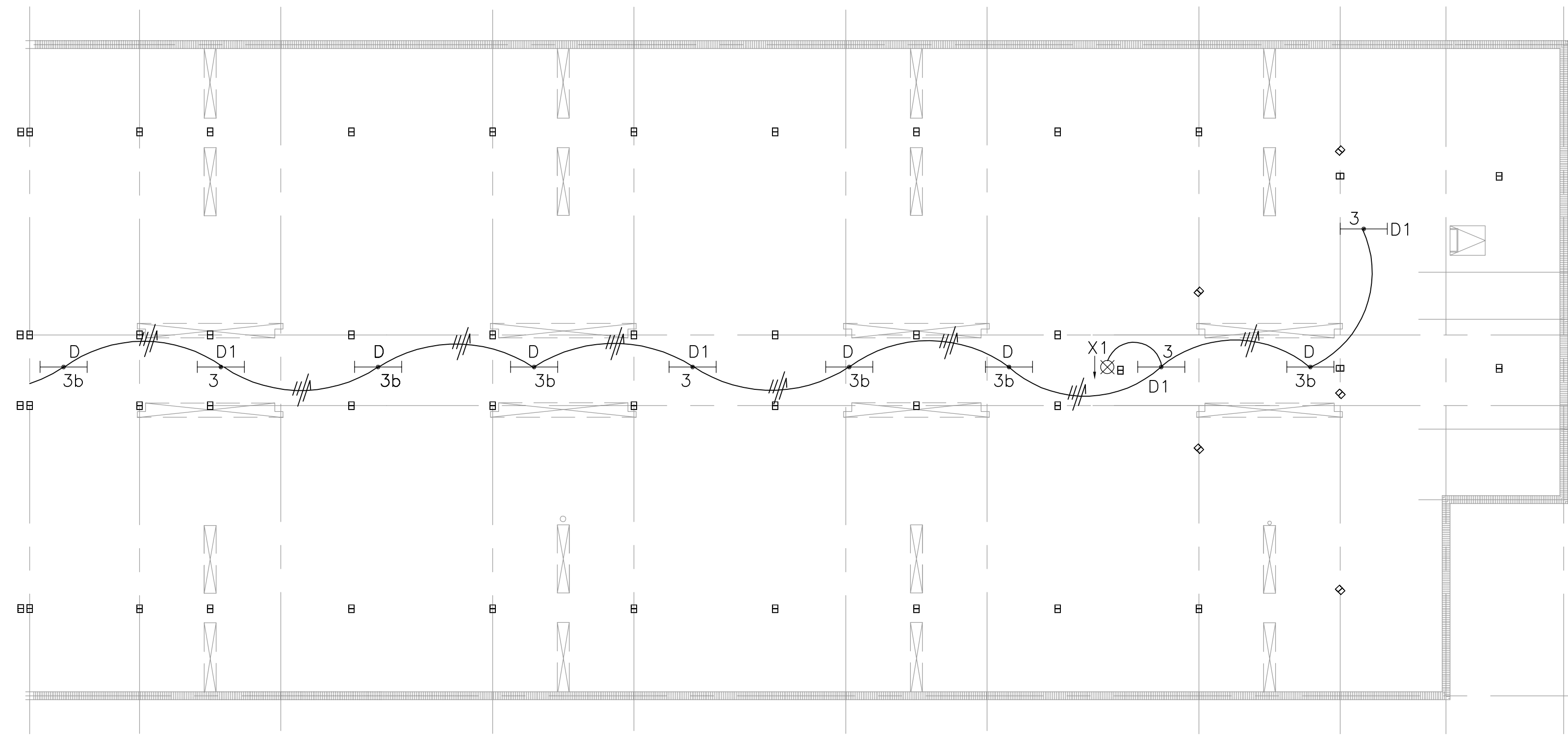
**E WING THIRD FLOOR POWER PLAN**  
SCALE: 1/8"=1'-0"[305]

DIMENSIONS SHOWN IN BRACKETS ARE IN MILLIMETERS.

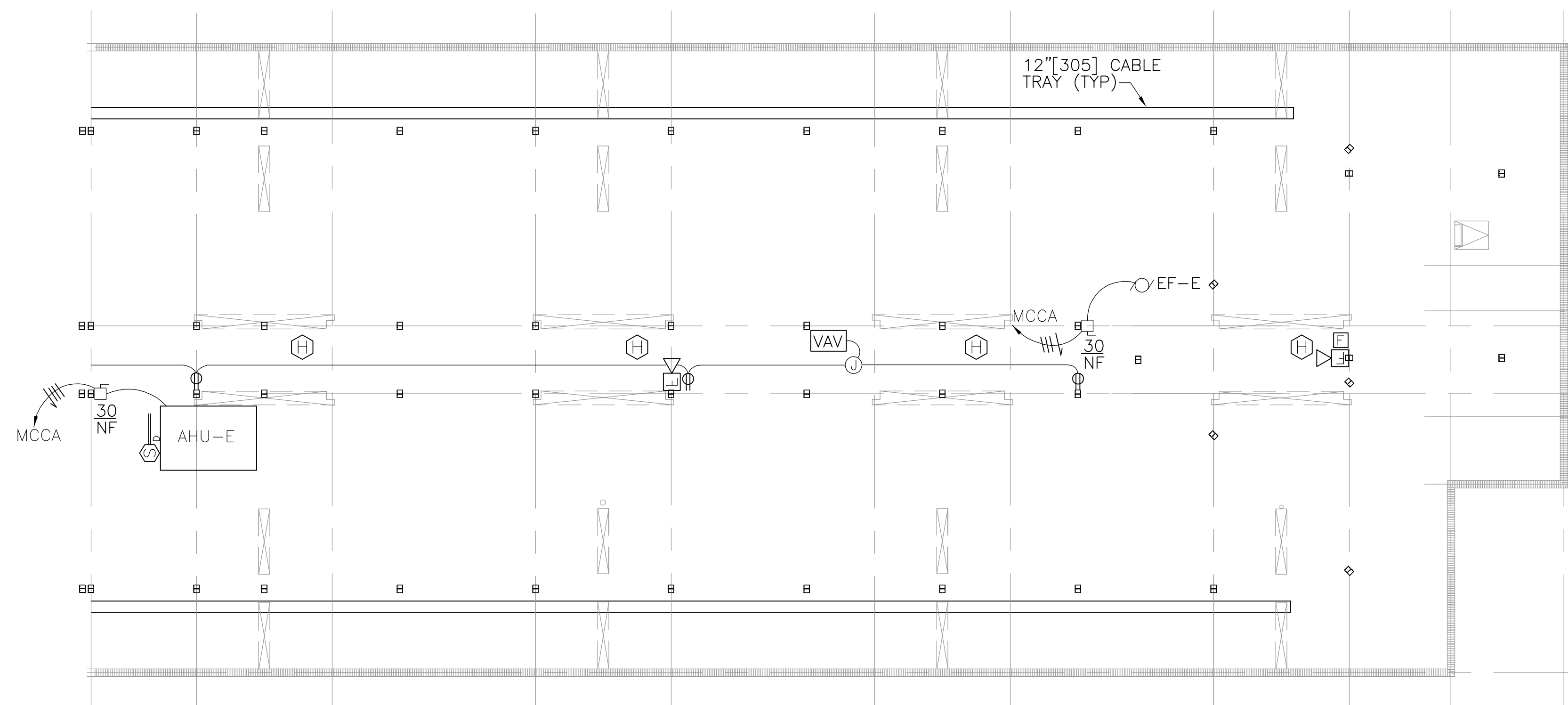


IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

DESIGNER OF RECORD <b>THE BENHAM GROUP / BDA</b> JOINT VENTURE OKLAHOMA CITY, OK. GULFPORT, MS.	PREP BY SLS	DATE APPROVD 19 MAR 99
DISCIPLINE <b>ELECTRICAL</b>	OWNER REQUESTED CHANGES ENCIRCLED	
DESIGNED BY <b>ROBERT H. KASTENS, AIA</b>	DATE 23 FEB 1998	
PROJECT NO. <b>5345454</b>	AS-BUILT	DEC 2004
DEPARTMENT OF THE NAVY SOUTHERN DIVISION CHARLESTON, S.C.	NAVAL FACILITIES ENGINEERING COMMAND	
SEAL AREA KEESLER AIR FORCE BASE STUDENT DORMITORIES FY-98 E WING, 3RD FLOOR POWER AND LIGHTING PLANS	BILOXI, MS.	
RECORD DRAWING DATE	CODE ID. NO. 80091	
	DRAWING SIZE: 1/8"=1'-0" D	
	SPEC. NO. 06-97-0866	
	CONSTRN. CONTR. NO. N62467-97-C-0866	
	NAVAFAC DRAWING NO. 5345454	
	SHEET 176 OF	
	<b>E223</b>	



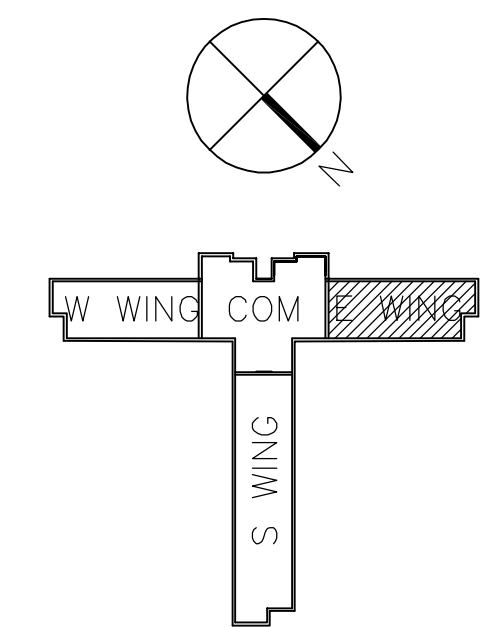
EAST WING ATTIC LIGHTING PLAN  
SCALE: 1/8" [3] = 1'-0" [305]



EAST WING ATTIC POWER PLAN  
SCALE: 1/8" [3] = 1'-0" [305]

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

- GENERAL NOTE:**
1. MOUNT HEAT DETECTORS AT UNDERSIDE OF ROOF STRUCTURE, CLEAR OF DUCTWORK, PIPING, ETC.
  2. FIRE ALARM DEVICE LOCATIONS SHOWN ON DRAWINGS ARE APPROXIMATE. EXACT/FINAL LOCATIONS SHALL BE COORDINATED WITH OTHER TRADES AND SHALL COMPLY WITH NFPA 72, ADA AND SPECIFICATIONS.
  3. EXPOSED CONDUITS ARE ACCEPTABLE IN ATTIC AREA ONLY.



KEY PLAN

DIMENSIONS SHOWN IN BRACKETS ARE IN MILLIMETERS.

DORM "A"

DESIGNER OF RECORD <b>THE BENHAM GROUP / BDA</b> OKLAHOMA CITY, OK. GULFPORT, MS.
DESIGNER <b>JTK</b>
DATE <b>23 FEB 1998</b>
DISCIPLINE <b>ELECTRICAL</b>
PROJECT NO. <b>S. HULL</b>

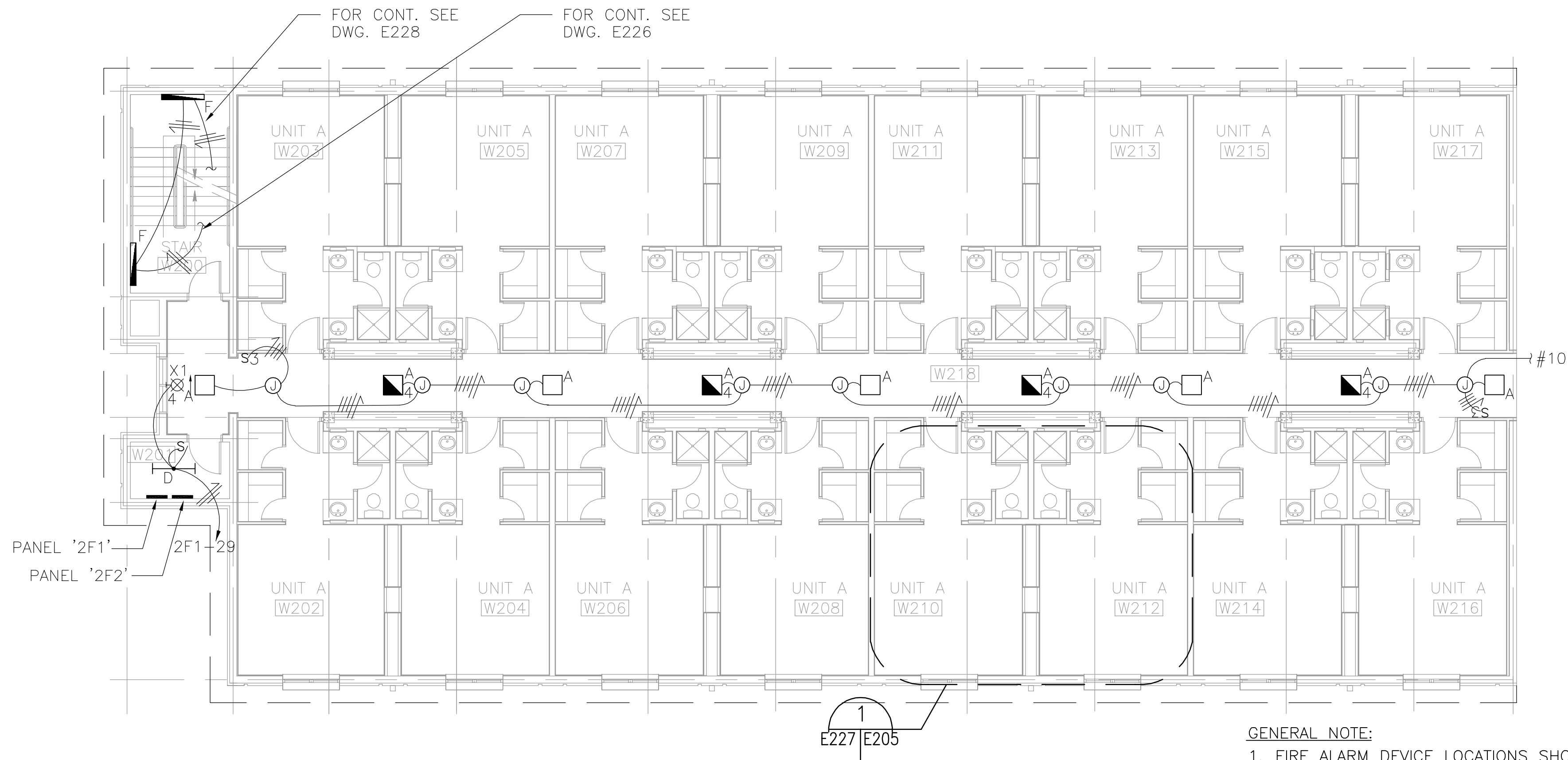
REV.	DESCRIPTION	PREP BY	DATE	APPROV
1	AS-BUILT		DEC 2004	

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON, S.C.	SOUTHERN DIVISION BILOXI, MS.
KEESLER AIR FORCE BASE STUDENT DORMITORIES FY-98 E WING, ATTIC LIGHTING AND POWER PLANS	APPROVED EFTD FOR COMMANDER, NAVFAC

RECORD DRAWING DATE	CODE ID. NO. <b>80091</b>
DRAWING SIZE: 1/8" = 1'-0" D	SPEC. NO. <b>06-97-0866</b>
CONSTRN. CONTR. NO. <b>N62467-97-C-0866</b>	NAVFAC DRAWING NO. <b>5345455</b>
SHEET <b>177</b> OF	<b>E224</b>



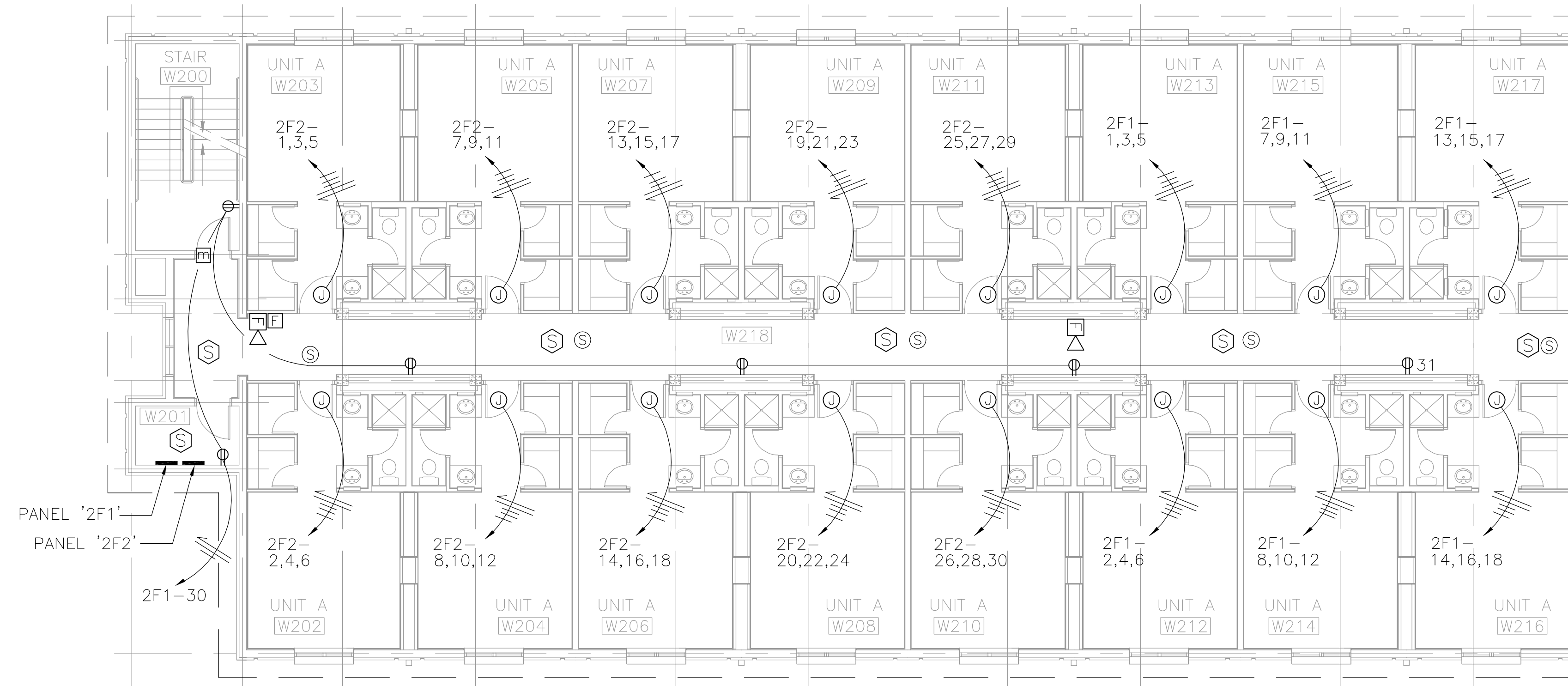
Drawing: P:\OKC\FAC\39702400\DORMA\ASBUILT\E227PNOA Saved: 09/02/2005 11:16 By: Kha11266 DimScale: 96.00 (TM=1) XRefs: XTITLBLK XARBAK2W



**W WING SECOND FLOOR LIGHTING PLAN**  
SCALE: 1/8" [3] = 1'-0" [305]

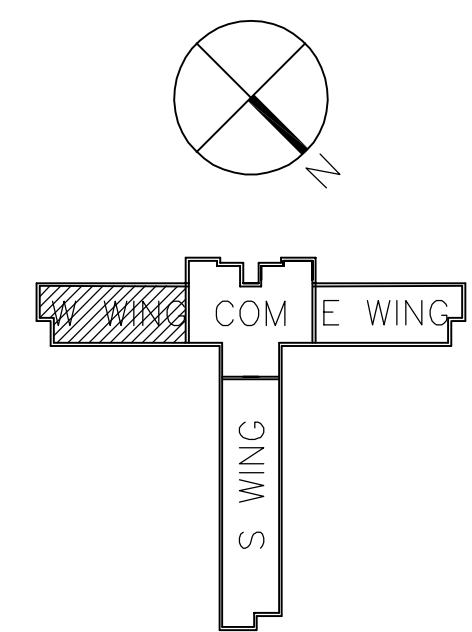
**GENERAL NOTE:**

1. FIRE ALARM DEVICE LOCATIONS SHOWN ON DRAWINGS ARE APPROXIMATE. EXACT/FINAL LOCATIONS SHALL BE COORDINATED WITH OTHER TRADES AND SHALL COMPLY WITH NFPA 72, ADA AND SPECIFICATIONS.
2. EXPOSED CONDUITS ARE ACCEPTABLE IN ROOM W201 ONLY. CONDUIT IN STAIRWELLS SHALL BE CONCEALED.

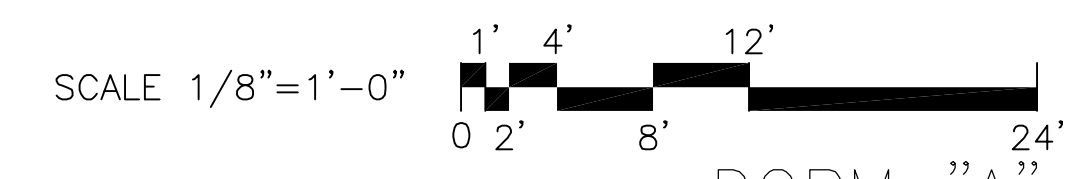


**W WING SECOND FLOOR POWER PLAN**  
SCALE: 1/8" [3] = 1'-0" [305]

IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



DIMENSIONS SHOWN IN BRACKETS ARE IN MILLIMETERS.

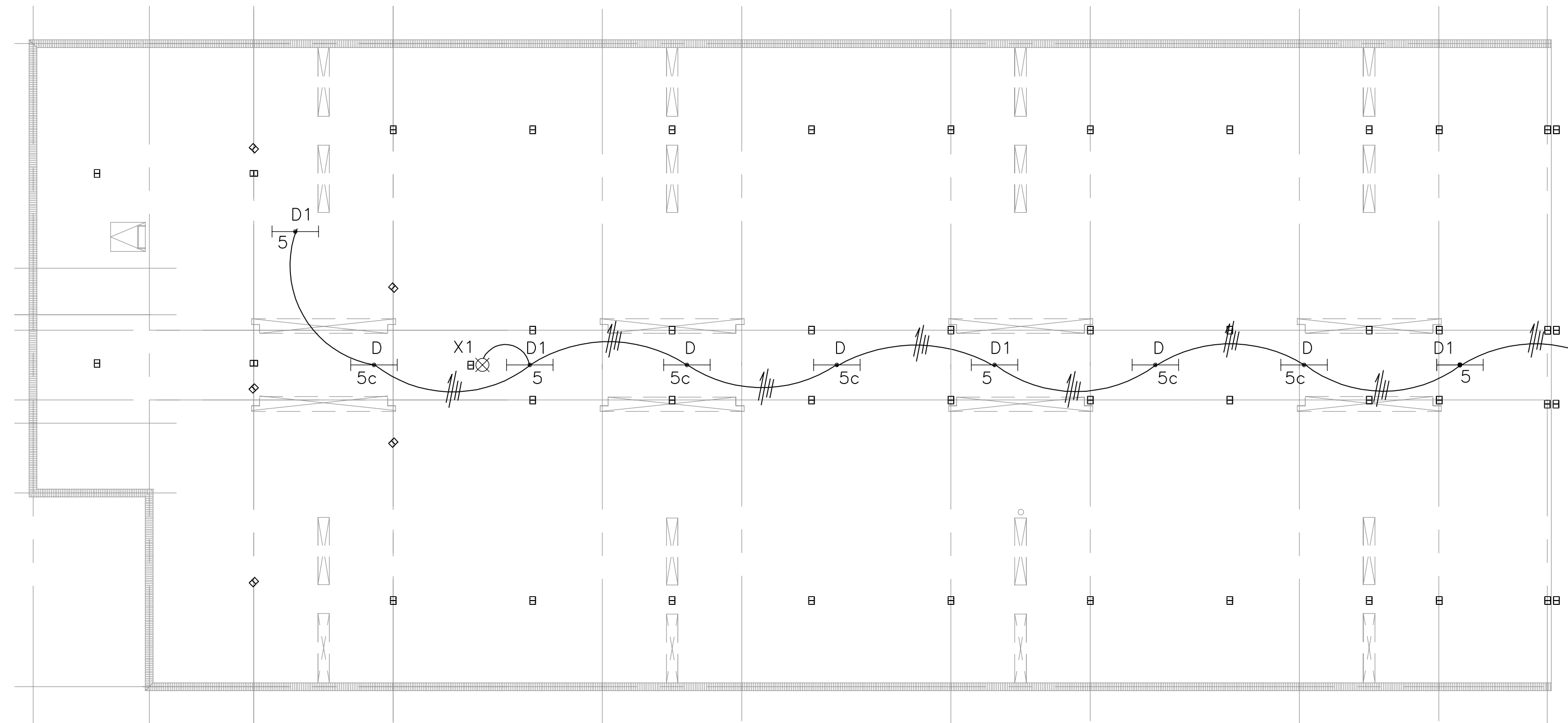


DESIGNER OF RECORD <b>THE BENHAM GROUP / BDA</b> JOINT VENTURE OKLAHOMA CITY, OK. GULFPORT, MS.		PREP BY SLS	DATE APPROVD 19 MAR 99
PERSON JTK	DATE 23 FEB 1998	REV. DESCRIPTION OWNER REQUESTED CHANGES ENCIRCLED	DISCIPLINE ELECTRICAL
DESIGNED BY ROBERT H. KASTENS, AIA	DATE 23 FEB 1998	REV. DESCRIPTION AS-BUILT	DATE DEC 2004
PROJECT NO. 5345458	PROJECT NAME KEESLER AIR FORCE BASE STUDENT DORMITORIES FY-98 W WING, 2ND FLOOR POWER AND LIGHTING PLANS	APPROVED BY SOUTHERN DIVISION CHARLESTON, S.C.	APPROVED BY BILOXI, MS.
SHEET 180 OF	RECORD DRAWING DATE	CODE ID. NO. 80091	DRAWING SIZE: 1/8"=1'-0" D
		SPEC. NO. 06-97-0866	CONSTR. CONTR. NO. N62467-97-C-0866
		NAVFAC DRAWING NO. 5345458	
			<b>E227</b>

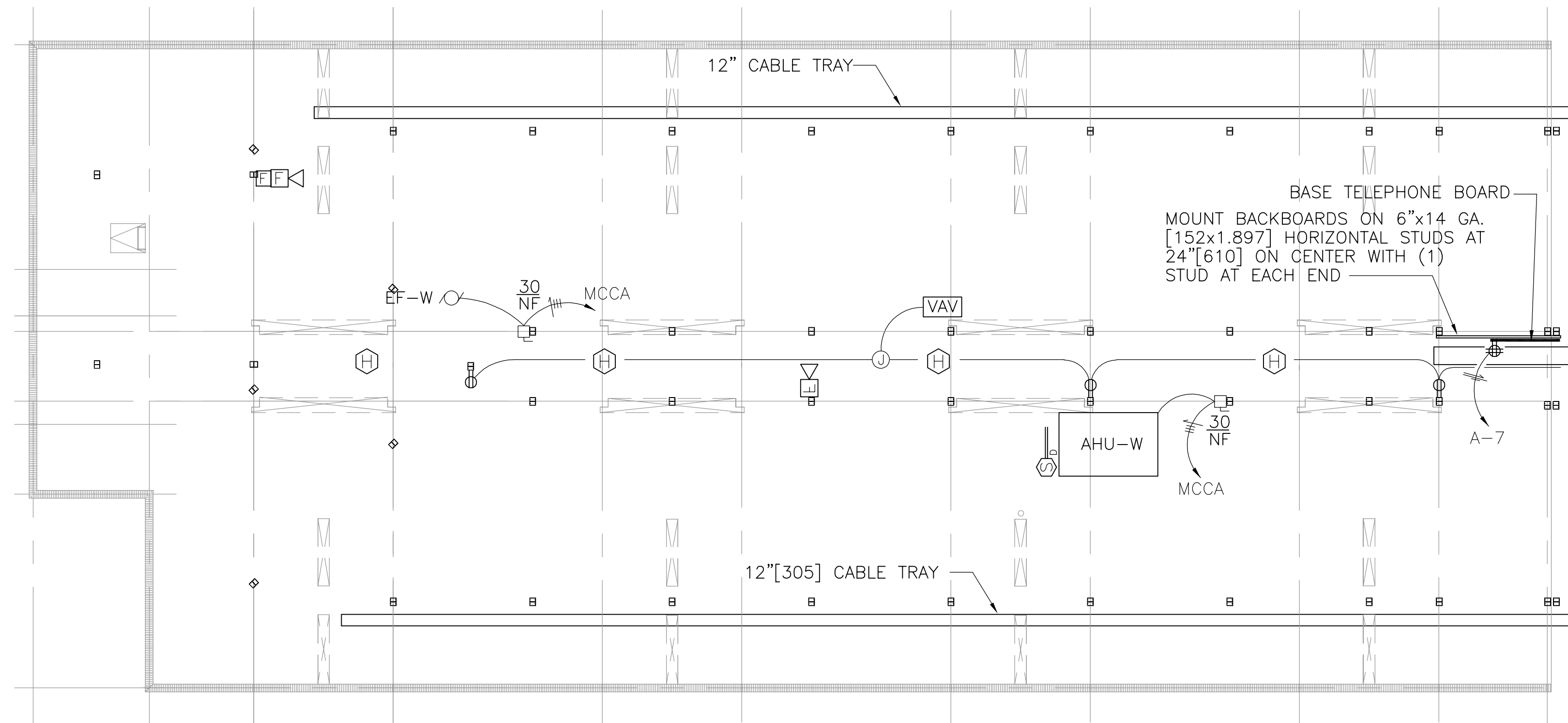




Drawing: P:\OKC\FAC\39702400\DORMA\ASBUILT\E229PNOA Saved: 09/02/2005 11:14 By: Kha1266 DimScale: 96.00 (TM=1) XRefs: XTITLBLK XARBAK3W



W WING ATTIC LIGHTING PLAN  
SCALE: 1/8"=1'-0"[305]

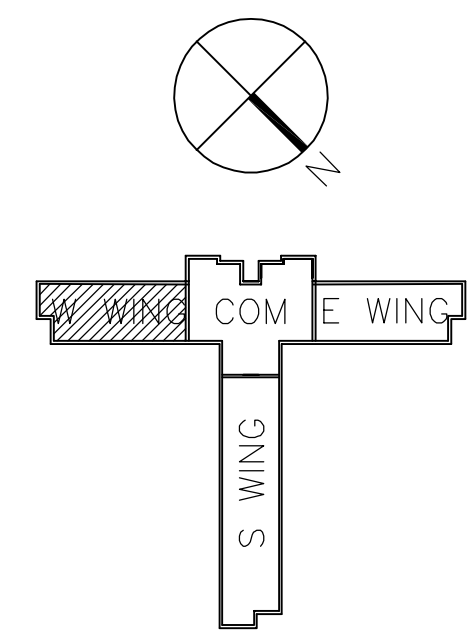


W WING ATTIC POWER PLAN  
SCALE: 1/8"=1'-0"[305]

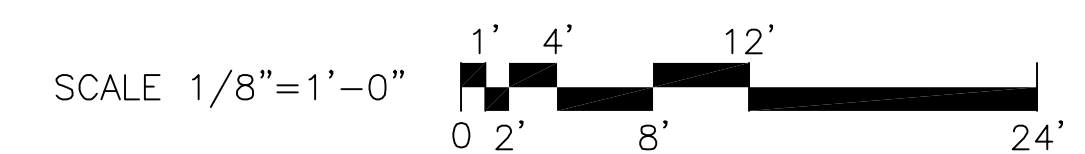
IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

GENERAL NOTES:

- HEAT DETECTORS TO BE SUSPENDED AT 10'-0"[3048] A.F.F.
- FIRE ALARM DEVICE LOCATIONS SHOWN ON DRAWINGS ARE APPROXIMATE. EXACT/FINAL LOCATIONS SHALL BE COORDINATED WITH OTHER TRADES AND SHALL COMPLY WITH NFPA 72, ADA AND SPECIFICATIONS.
- EXPOSED CONDUITS ARE ACCEPTABLE IN ATTIC AREA ONLY.



DIMENSIONS SHOWN IN BRACKETS ARE IN MILLIMETERS.



DESIGNER OF RECORD	THE BENHAM GROUP / BDA
DESIGNER	JOINT VENTURE
LOCATION	OKLAHOMA CITY, OK. GULFPORT, MS.
DATE	23 FEB 1998
DISCIPLINE	ELECTRICAL
PROJECT	AS-BUILT

REV.	DESCRIPTION	PREP BY	DATE	APPROV
1	AS-BUILT		DEC 2004	

DEPARTMENT OF THE NAVY	SOUTHERN DIVISION	NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, S.C.	CHARLESTON, S.C.	CHARLESTON, S.C.
KEESLER AIR FORCE BASE	BILOXI, MS.	
STUDENT DORMITORIES FY-98		
W WING, ATTIC POWER AND LIGHTING PLANS		
APPROVED	DATE	ETD FOR COMMANDER, NAVFAC

RECORD DRAWING DATE	
CODE ID. NO.	80091
DRAWING SIZE:	1/8"=1'-0" D
SPEC. NO.	06-97-0866
CONSTR. CONTR. NO.	N62467-97-C-0866
NAVFAC DRAWING NO.	5345460
SHEET	182 OF

E229

Drawing: P:\OKC\FAC\39702400\DORMA\ASBUILT\E401SC0A Saved: 09/02/2005 11:41 By: Khal1266 DimScale: 1.00 (TW=1) XRefs: XTITLBLK

MDP 2000A AMP BUS					COPPER BUS								
1600 AMP MAIN BREAKER					120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ								
MIN. INTERRUPTING RATING					35,000 AMPS SURFACE MOUNTED								
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	100	3	1A	10.8			2	125	3	2C	13.6		
3	-	-	-	8.9			4	-	-	-		13.6	
5	-	-	-			10	6	-	-	-			13.6
7	200	3	1B AND 1D	24.8			8	200	3	3B AND 3D	26		
9	-	-	-	23.3			10	-	-	-		26	
11	-	-	-			22.3	12	-	-	-			26.5
13	125	3	1C	17.9			14	125	3	3C AND 3C1	10.2		
15	-	-	-	16.5			16	-	-	-		10.2	
17	-	-	-			16.4	18	-	-	-			10.2
19	200	3	2B AND 2D	25			20	100	3	A	3.1		
21	-	-	-	26.2			22	-	-	-		2.4	
23	-	-	-			26	24	-	-	-			2.6
25	400	3	1E1	69			26	350	3	DP1	19.1		
27	-	-	-	67.1			28	-	-	-		19.1	
29	-	-	-			71.9	30	-	-	-			19.1
31	300	3	1F1	53.7			32	350	3	MCCA	30.4		
33	-	-	-	54.3			34	-	-	-		30.4	
35	-	-	-			59.4	36	-	-	-			30.4
37	300	3	1G1	53.7			38	100	3	SPARE			
39	-	-	-	54.3			40	-	-	-			
41	-	-	-	59.2			42	-	-	-			

TOTAL CONNECTED LOAD: A= 357.3  
B= 352.3  
C= 367.6

TOTAL KVA = 1077.2

DP1					COPPER BUS								
400 AMP MAIN LUGS ONLY					208 VOLT, 3 PHASE, 3 WIRE, 60 HZ								
MIN. INTERRUPTING RATING					35,000 AMPS SURFACE MOUNTED								
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	-	3	SPACE				2	200	3	ELEVATOR	9.4		
3	-	-	-				4	-	-	-		9.4	
5	-	-	-				6	-	-	-			9.4
7	60	3	WP2	3.9			8	60	3	WP1	3.9		
9	-	-	-			3.9	10	-	-	-		3.9	
11	-	-	-			3.9	12	-	-	-			3.9
13	20	3	B-1	0.7			14	-	-	-			
15	-	-	-			0.7	16	-	-	-			
17	-	-	-			0.7	18	-	-	-			
19	-	-	-				20	-	-	-			
21	-	-	-				22	-	-	-			
23	-	-	-				24	-	-	-			

TOTAL CONNECTED LOAD: A= 19.1  
B= 19.1  
C= 19.1

TOTAL KVA = 57.3

A					COPPER BUS								
100 AMP MAIN LUGS ONLY					120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ								
MIN. INTERRUPTING RATING					22,000 AMPS SURFACE MOUNTED								
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	LIGHTING-C401 S400	1.3			2	20	1	RECPT-C401 S400	1.0		
3	20	1	LIGHTING-C401 E400		1.0		4	20	1	RECPT-C401 W400		0.8	
5	20	1	LIGHTING-C401 W400			1.0	6	20	1	RECPT-C401 E400			0.8
7	20	1	BASE TELEPHONE BOARD	0.4			8	20	1	DATA BOARD	0.4		
9	20	1	CATV BOARD		0.4		10	20	1	SMOKE DAMPERS		0.2	
11	20	1	SPARE			0.8	12	20	1	MR-3,MR-11,MR-12,MR-13			
13	20	1	LIU-3,LIU-4,MR-5,MR-6				14	20	1	LUI-5,MR-7			
15	20	1	LIU-2,MR-4				16	20	3	MUA-3			
17	-	-	SPACE				18	-	-	-			
19	-	-	SPACE				20	-	-	-			

TOTAL CONNECTED LOAD: A= 3.1  
B= 2.4  
C= 2.6

TOTAL KVA = 8.1

1A					COPPER BUS								
100 AMP MAIN LUGS ONLY					120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ								
MIN. INTERRUPTING RATING					22,000 AMPS SURFACE MOUNTED								
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	ELEVATOR LIGHTING-C122	1			2	20	1	RECPT-C101	0.9		
3	20	1	LIGHTING-C120, C121		0.4		4	20	1	FACP/TRANSMITTER		0.8	
5	20	1	LIGHTING-C118			1.5	6	20	1	ELECT. WATER COOLER-C119			1.5
7	20	1	RECPT-C121,C119,C117,C123,C101	.9			8	20	1	RECPT-C118	1.1		
9	20	1	RECPT-C120,C121,C116,C101,S130		1.1		10	20	1	RECPT-C118		0.8	
11	20	1	TELEPHONE BOARD-C120			0.6	12	20	1	RECEPTACLE			0.2
13	20	1	DATA BOARD-C120	0.6			14	20	1	VENDING-C116	1.5		
15	20	1	VENDING-C116		1.5		16	20	1	VENDING-C116		1.5	
17	20	1	VENDING-C116			1.5	18	20	1	SHUNT TRIP POWER			0.1
19	20	1	ELEVATOR PIT LIGHTING	0.5			20	20	1	EF-2	0.5		
21	30	1	HOT WTR. HEATER CTL. WH-1		0.4		22	20	1	DDC PANEL		0.5	
23	20	1	P1			0.7	24	20	2	EXTERIOR LIGHTING			1.5
25	20	1	EXTERIOR LIGHTING	0.6			26	-	-	EXTERIOR LIGHTING	1.5		
27	20	1	EXTERIOR LIGHTING		0.7		28	20	1	LIGHTING CONTROLLER		0.1	
29	20	2	EXTERIOR LIGHTING			1.2	30	20	1	SF-1			0.7
31	-	-	-		1.2		32	20	1	IRRIGATION CONTROLLER	0.5		
33	20	1	EXTERIOR RECEPTACLE		1.1		34	20	1	SPARE			
35	20	1	INTERCOM RACK			0.5	36	20	1	SPARE			
37	30	1	HOT WTR. HEATER CTL. WH-2	0.4			38	20	1	SPARE			
39	20	1	SPARE				40	-	-	SPACE			
41	-	-	SPACE				42	-	-	SPACE			

TOTAL CONNECTED LOAD: A= 10.8  
B= 8.9  
C= 10

TOTAL KVA = 29.7

1B (FEED THRU LUGS FOR '1D')					COPPER BUS								
225 AMP MAIN LUGS ONLY					120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ								
MIN. INTERRUPTING RATING					22,000 AMPS SURFACE MOUNTED								
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. S122	1.5			2	20	1	RM. C133	0.9		
3	20	1	RM. S122		0.9		4	20	1	RM. C133		1.0	
5	20	1	RM. S122			1.0	6	20	1	RM. C133			1.5
7	20	1	RM. S124	0.9			8	20	1	RM. C132	1.5		
9	20	1	RM. S124		1.0		10	20	1	RM. C132		0.9	
11	20	1	RM. S124			1.5	12	20	1	RM. C132			1.0
13	20	1	SPARE				14	20	1	RM.S123	1.0		
15	20	1	SPARE				16	20	1	RM.S123		1.5	
17	20	1	LIGHTING-C127,C125			0.7	18	20	1	RM. S123			0.9
19	20	1	LIGHTING-C106,C107,C110	1.0			20	20	1	RM. S125	1.5		
21	20	1	LIGHTING-C103,C104,C111		1.1		22	20	1	RM. S125		0.9	
23	20	1	RECPT-C127			0.9	24	20	1	RM. S125			1.0
25	20	1	RECPT-C127,S130	0.9			26	20	1	CV-AHU-1	0.5		
27	20	1	RECPT-C129,C102,E122		1.1		28	20	1	SPARE			
29	20	1	RECPT-C114,C113,C112			0.9	30	20	1	SPARE			
31	20	1	RECPT-C110,C115	1.1			32	20	1	SPARE			
33	20	1	RECPT-C111,C104		0.9		34	-	-	SPACE			
35	20	1	RECPT-C103,C104			0.9	36	-	-	SPACE			
37	20	1	RECPT-C106,C107,C110	0.5			38	-	-	SPACE			
39	20	1	RECPT-C107		0.5		40	-	-	SPACE			
41	20	1	SPARE				42	-	-	SPACE			

TOTAL CONNECTED LOAD: A= 11.3  
B= 9.8  
C= 10.3

TOTAL KVA = 31.4

1C					COPPER BUS								
225 AMP MAIN LUGS ONLY					120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ								
MIN. INTERRUPTING RATING					22,000 AMPS SURFACE MOUNTED								
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. S126	0.9			2	20	1	RM. S127	1.0		
3	20	1	RM. S126		1.0		4	20	1	RM. S127		1.5	
5	20	1	RM. S126			1.5	6	20	1	RM. S127			0.9
7	20	1	RM. S128	1.0			8	20	1	RM. S129	1.5		
9	20	1	RM. S128		1.5		10	20	1	RM. S129		0.9	
11	20	1	RM. S128			0.9	12	20	1	RM. S129			1.0
13	20	1	RM. S130	1.5			14	20	1	RM. S131	0.9		
15	20	1	RM. S130		0.9		16	20	1	RM. S131		1.0	
17	20	1	RM. S130			1.0	18	20	1	RM. S131			1.5
19	20	1	RM. S132	0.9			20	20	1	RM. S133	1.0		
21	20	1	RM. S132		1.0		22	20	1	RM. S133		1.5	
23	20	1	RM. S132			1.5	24	20	1	RM. S133			0.9
25	30	2	VOLLEY BAL LTG.	2.3			26	30	2	BSKT. BALL LTG.	2.3		
27	-	-	-		2.3		28	-	-	-		2.3	
29	30	2	VOLLEY BAL LTG.			2.3	30	30	2	BSKT. BALL LTG.			2.3
31	-	-	-		2.3		32	-	-	-		2.3	
33	20	1	GAZEBO		0.3		34	30	2	BSKT. BALL LTG.		2.3	
35	20	1	LAWN MAINT.			0.3	36	-	-	-			2.3
37	20	1	SPARE				38	-	-	SPACE			
39	20	1	SPARE				40	-	-	SPACE			
41	20	1	SPARE				42	-	-	SPACE			

TOTAL CONNECTED LOAD: A= 17.9  
B= 16.5  
C= 16.4

TOTAL KVA = 50.8

DESIGNER OF RECORD: THE BENHAM GROUP / BDA  
JOINT VENTURE  
OKLAHOMA CITY, OK. GULFPORT, MS.

PREP BY: SRD DATE APPROVD: 15 APR 98

AMENDMENT NO. 1

OWNER REQUESTED CHANGES ENCIRCLED

Drawing: P:\OKC\FAC\39702400\DORMA\ASBUILT\E402SC0A Saved: 09/02/2005 11:41 By: Khal1266 DimScale: 1.00 (TW=1) XRefs: XITLBLK

1D COPPER BUS													
225 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ										
MIN. INTERRUPTING RATING			22,000 AMPS SURFACE MOUNTED										
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	CORRIDOR LTG.-S130	1.4			2	20	1	CORR. LTG.-C122,W118	0.5		
3	20	1	EMERG. LTG.-S130,C101		0.8		4	20	1	EMERG. LTG.-E122,W118		0.2	*
5	20	1	LIGHTING-C101			1.5	6	20	1	SPARE			
7	20	1	LTG. - C130,C210,C310	0.6			8	20	1	DRYER-C125	1.5		
9	20	1	WASHER-C125		1.5		10	20	1	DRYER-C125		1.5	
11	20	1	WASHER-C125			1.5	12	20	1	DRYER-C125			1.5
13	20	1	WASHER-C125	1.5			14	20	1	DRYER-C125	1.5		
15	20	1	WASHER-C125		1.5		16	20	1	DRYER-C125		1.5	
17	20	1	WASHER-C125			1.5	18	20	1	DRYER-C125			1.5
19	20	1	WASHER-C125	1.5			20	20	1	DRYER-C125	1.5		
21	20	1	WASHER-C125		1.5		22	20	1	DRYER-C125		1.5	
23	20	1	WASHER-C125			1.5	24	20	1	DRYER-C125			1.5
25	20	1	VAV SMOKE DAMPERS	0.5			26	20	1	DRYER-C125	1.5		
27	20	1	RECEPTACLE		0.5		28	20	1	DRYER-C125		1.5	
29	20	1	SPARE				30	20	1	DRYER-C125			1.5
31	20	1	SPARE				32	20	1	DRYER-C125	1.5		
33	20	1	SPARE				34	20	1	DRYER-C125		1.5	
35	20	1	SPARE				36	20	1	SPACE			
37	20	1	SPARE				38	-	-	SPACE			
39	-	-	SPACE				40	-	-	SPACE			
41	-	-	SPACE				42	-	-	SPACE			
TOTAL CONNECTED LOAD:				A= 13.5			TOTAL KVA = 39.0						
				B= 13.5									
				C= 12.0									

\* LOCK-ON BREAKER

1E1 COPPER BUS													
400 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ										
MIN. INTERRUPTING RATING			10,000 AMPS SURFACE MOUNTED										
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	100	3	2E1			9.8	2	100	3	3E1			9.8
3	-	-	-			8.6	4	-	-	-			8.6
5	-	-	-			10.1	6	-	-	-			10.1
7	20	1	RM. S115	0.9			8	20	1	RM. S114	0.9		
9	20	1	RM. S115		1.0		10	20	1	RM. S114		1.0	
11	20	1	RM. S115			1.5	12	20	1	RM. S114			1.5
13	20	1	RM. S117	1.0			14	20	1	RM. S116	1.0		
15	20	1	RM. S117		1.5		16	20	1	RM. S116		1.5	
17	20	1	RM. S117			0.9	18	20	1	RM. S116			0.9
19	20	1	RM. S119	1.5			20	20	1	RM. S118	1.5		
21	20	1	RM. S119		0.9		22	20	1	RM. S118		0.9	
23	20	1	RM. S119			1.0	24	20	1	RM. S118			1.0
25	20	1	RM. S121	0.9			26	20	1	RM. S120	0.9		
27	20	1	RM. S121		1.0		28	20	1	RM. S120		1.0	
29	20	1	RM. S121			1.5	30	20	1	RM. S120			1.5
31	100	3	2E2	13.6			32	100	3	3E2	13.6		
33	-	-	-			13.6	34	-	-	-			13.6
35	-	-	-			13.6	36	-	-	-			13.6
37	75	3	1E2	13.6			38	20	1	SPARE			
39	-	-	-			13.6	40	20	1	NIGHT LIGHT-S100,S101		0.3	
41	-	-	-			13.6	42	20	1	RECPT-S100,S101			1.1
TOTAL CONNECTED LOAD:				A= 69.0			TOTAL KVA = 208.0						
				B= 67.1									
				C= 71.9									

1E2 COPPER BUS													
100 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ										
MIN. INTERRUPTING RATING			10,000 AMPS SURFACE MOUNTED										
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. S103	0.9			2	20	1	RM. S102	1.5		
3	20	1	RM. S103		1.0		4	20	1	RM. S102		0.9	
5	20	1	RM. S103			1.5	6	20	1	RM. S102			1.0
7	20	1	RM. S105	1.0			8	20	1	RM. S104	0.9		
9	20	1	RM. S105		1.5		10	20	1	RM. S104		1.0	
11	20	1	RM. S105			0.9	12	20	1	RM. S104			1.5
13	20	1	RM. S107	1.5			14	20	1	RM. S106	1.0		
15	20	1	RM. S107		0.9		16	20	1	RM. S106		1.5	
17	20	1	RM. S107			1.0	18	20	1	RM. S106			0.9
19	20	1	RM. S109	0.9			20	20	1	RM. S108	1.5		
21	20	1	RM. S109		1.0		22	20	1	RM. S108		0.9	
23	20	1	RM. S109			1.5	24	20	1	RM. S108			1.0
25	20	1	RM. S111	1.0			26	20	1	RM. S110	0.9		
27	20	1	RM. S111		1.5		28	20	1	RM. S110		1.0	
29	20	1	RM. S111			0.9	30	20	1	RM. S110			1.5
31	20	1	RM. S113	1.5			32	20	1	RM. S112	1.0		
33	20	1	RM. S113		0.9		34	20	1	RM. S112		1.5	
35	20	1	RM. S113			1.0	36	20	1	RM. S112			0.9
37	20	1	SPARE				38	20	1	SPARE			
39	20	1	SPARE				40	20	1	SPARE			
41	20	1	SPARE				42	20	1	SPARE			
TOTAL CONNECTED LOAD:				A= 13.6			TOTAL KVA = 40.8						
				B= 13.6									
				C= 13.6									

1F1 COPPER BUS													
400 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ										
MIN. INTERRUPTING RATING			10,000 AMPS SURFACE MOUNTED										
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	100	3	2F1	6.8			2	100	3	3F1	6.8		
3	-	-	-			6.8	4	-	-	-			6.8
5	-	-	-			8.2	6	-	-	-			8.2
7	20	1	RM. W113	0.9			8	20	1	RM. W112	1.5		
9	20	1	RM. W113		1.0		10	20	1	RM. W112		0.9	
11	20	1	RM. W113			1.5	12	20	1	RM. W112			1.0
13	20	1	RM. W115	1.0			14	20	1	RM. W114	0.9		
15	20	1	RM. W115		1.5		16	20	1	RM. W114		1.0	
17	20	1	RM. W115			0.9	18	20	1	RM. W114			1.5
19	20	1	RM. W117	1.5			20	20	1	RM. W116	1.0		
21	20	1	RM. W117		0.9		22	20	1	RM. W116		1.5	
23	20	1	RM. W117			1.0	24	20	1	RM. W116			0.9
25	100	3	2F2	11.1			26	100	3	3F2	11.1		
27	-	-	-			11.2	28	-	-	-			11.2
29	-	-	-			11.7	30	-	-	-			11.7
31	20	1	SPARE				32	-	-	SPACE			
33	20	1	SPARE				34	-	-	SPACE			
35	20	1	SPARE				36	-	-	SPACE			
37	75	3	1F2	11.1			38	-	-	SPACE			
39	-	-	-			11.2	40	20	1	NIGHT LIGHT-W100, W101		0.3	
41	-	-	-			11.7	42	20	1	RECPT-W100, W101			1.1
TOTAL CONNECTED LOAD:				A= 53.7			TOTAL KVA = 167.4						
				B= 54.3									
				C= 59.4									

1F2 COPPER BUS													
100 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ										
MIN. INTERRUPTING RATING			10,000 AMPS SURFACE MOUNTED										
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. W103	0.9			2	20	1	RM. W102	1.5		
3	20	1	RM. W103		1.0		4	20	1	RM. W102		0.9	
5	20	1	RM. W103			1.5	6	20	1	RM. W102			1.0
7	20	1	RM. W105	1.0			8	20	1	RM. W104	0.9		
9	20	1	RM. W105		1.5		10	20	1	RM. W104		1.0	
11	20	1	RM. W105			0.9	12	20	1	RM. W104			1.5
13	20	1	RM. W107	1.5			14	20	1	RM. W106	1.0		
15	20	1	RM. W107		0.9		16	20	1	RM. W106		1.5	
17	20	1	RM. W107			1.0	18	20	1	RM. W106			0.9
19	20	1	RM. W109	0.9			20	20	1	RM. W108	1.5		
21	20	1	RM. W109		1.0		22	20	1	RM. W108		0.9	
23	20	1	RM. W109			1.5	24	20	1	RM. W108			1.0
25	20	1	RM. W111	1.0			26	20	1	RM. W110	0.9		
27	20	1	RM. W111		1.5		28	20	1	RM. W110		1.0	
29	20	1	RM. W111			0.9	30	20	1	RM. W110			1.5
TOTAL CONNECTED LOAD:				A= 11.1			TOTAL KVA = 34.0						
				B= 11.2									
				C= 11.7									

1G1 COPPER BUS									
400 AMP MAIN LUGS ONLY									

Drawing: P:\OKC\FAC\39702400\DORMA\ASBUILT\E403SC0A Saved: 09/02/2005 11:41 By: Khal1266 DimScale: 1.00 (TV=1) XRefs: XTITLBLK

1G2 COPPER BUS													
100 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ			COPPER BUS							
MIN. INTERRUPTING RATING			10,000 AMPS			SURFACE MOUNTED							
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. E103	0.9			2	20	1	RM. E102	1.5		
3	20	1	RM. E103		1.0		4	20	1	RM. E102			0.9
5	20	1	RM. E103			1.5	6	20	1	RM. E102			1.0
7	20	1	RM. E105	1.0			8	20	1	RM. E104	0.9		
9	20	1	RM. E105		1.5		10	20	1	RM. E104			1.0
11	20	1	RM. E105			0.9	12	20	1	RM. E104			1.5
13	20	1	RM. E107	1.5			14	20	1	RM. E106	1.0		
15	20	1	RM. E107		0.9		16	20	1	RM. E106			1.5
17	20	1	RM. E107			1.0	18	20	1	RM. E106			0.9
19	20	1	RM. E109	0.9			20	20	1	RM. E108	1.5		
21	20	1	RM. E109		1.0		22	20	1	RM. E108			0.9
23	20	1	RM. E109			1.5	24	20	1	RM. E108			1.0
25	20	1	RM. E111	1.0			26	20	1	RM. E110	0.9		
27	20	1	RM. E111		1.5		28	20	1	RM. E110			1.0
29	20	1	RM. E111			0.9	30	20	1	RM. E110			1.5
TOTAL CONNECTED LOAD: A= 11.1 B= 11.2 C= 11.7													
TOTAL KVA = 34.0													

2B (FEED THRU LUGS FOR '2D') COPPER BUS													
225 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ			COPPER BUS							
MIN. INTERRUPTING RATING			10,000 AMPS			SURFACE MOUNTED							
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. S222	1.5			2	20	1	RM. C213	0.9		
3	20	1	RM. S222		0.9		4	20	1	RM. C213			1.0
5	20	1	RM. S222			1.0	6	20	1	RM. C213			1.5
7	20	1	RM. S224	0.9			8	20	1	RM. C214	1.0		
9	20	1	RM. S224		1.0		10	20	1	RM. C214			1.5
11	20	1	RM. S224			1.5	12	20	1	RM. C214			0.9
13	20	1	EF1	0.7			14	20	1	RM. S223	1.5		
15	20	1	SPARE				16	20	1	RM. S223			0.9
17	20	1	LIGHTING-C201,C204,C203			1.0	18	20	1	RM. S223			1.0
19	20	1	LIGHTING-C216	0.6			20	20	1	RM. S225	0.9		
21	20	1	LIGHTING-C207,C209			1.0	22	20	1	RM. S225			1.0
23	20	1	RECPT-C200,C209			1.1	24	20	1	RM. S225			1.5
25	20	1	RECPT-C209,S230	1.1			26	20	1	CV-AHU-2	0.9		
27	20	1	RECPT-C216,E122			1.1	28	20	1	TELEPHONE BOARD-C203	0.5		
29	20	1	RECPT-C200,C211,C212			1.1	30	20	1	MR-9			
31	20	1	RECPTC201,C203,W218	1.1			32	20	1	LIU-1,MR-1			
33	20	1	RECPT-C200			0.9	34	20	1	MR-2			
35	20	1	RECPT-C204			0.5	36	-	-	SPACE			
37	20	1	RECPT-C204	0.5			38	-	-	SPACE			
39	20	1	RECPT-C204			0.4	40	-	-	SPACE			
41	20	1	RECPT-C204			0.4	42	-	-	SPACE			
TOTAL CONNECTED LOAD: A= 11.6 B= 10.2 C= 11.5													
TOTAL KVA = 33.3													

2C COPPER BUS													
225 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ			COPPER BUS							
MIN. INTERRUPTING RATING			22,000 AMPS			SURFACE MOUNTED							
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. S226	0.9			2	20	1	RM. S227	1.0		
3	20	1	RM. S226		1.0		4	20	1	RM. S227			1.5
5	20	1	RM. S226			1.5	6	20	1	RM. S227			0.9
7	20	1	RM. S228	1.0			8	20	1	RM. S229	1.5		
9	20	1	RM. S228		1.5		10	20	1	RM. S229			0.9
11	20	1	RM. S228			0.9	12	20	1	RM. S229			1.0
13	20	1	RM. S230	1.5			14	20	1	RM. S231	0.9		
15	20	1	RM. S230		0.9		16	20	1	RM. S231			1.0
17	20	1	RM. S230			1.0	18	20	1	RM. S231			1.5
19	20	1	RM. S232	0.9			20	20	1	RM. S233	1.0		
21	20	1	RM. S232		1.0		22	20	1	RM. S233			1.5
23	20	1	RM. S232			1.5	24	20	1	RM. S233			0.9
25	20	1	RM. W221	1.0			26	20	1	RM. W220	1.5		
27	20	1	RM. W221		1.5		28	20	1	RM. W220			0.9
29	20	1	RM. W221			0.9	30	20	1	RM. W220			1.0
31	20	1	RM. W219	1.5			32	20	1	RM. W218	0.9		
33	20	1	RM. W219		0.9		34	20	1	RM. W218			1.0
35	20	1	RM. W219			1.0	36	20	1	RM. W218			1.5
37	20	1	SPARE				38	-	-	SPACE			
39	20	1	SPARE				40	-	-	SPACE			
41	20	1	SPARE				42	-	-	SPACE			
TOTAL CONNECTED LOAD: A= 13.6 B= 13.6 C= 13.6													
TOTAL KVA = 40.8													

2D COPPER BUS													
225 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ			COPPER BUS							
MIN. INTERRUPTING RATING			10,000 AMPS			SURFACE MOUNTED							
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	CORRIDOR LTG.-S230	0.7			2	20	1	CORR. LTG.-E223,W218	0.5		
3	20	1	EMERG. LTG.-S230,C200		0.8		4	20	1	EMERG. LTG.-E222,C218			0.2
5	20	1	CORR. LTG.-C200,C201,C208,C215			1.0	6	20	1	SPARE			
7	20	1	SPARE				8	20	1	DRYER-C207	1.5		
9	20	1	WASHER-C207		1.5		10	20	1	DRYER-C207			1.5
11	20	1	WASHER-C207			1.5	12	20	1	DRYER-C207			1.5
13	20	1	WASHER-C207	1.5			14	20	1	DRYER-C207	1.5		
15	20	1	WASHER-C207		1.5		16	20	1	DRYER-C207			1.5
17	20	1	WASHER-C207			1.5	18	20	1	DRYER-C207			1.5
19	20	1	WASHER-C207	1.5			20	20	1	DRYER-C207	1.5		
21	20	1	WASHER-C207		1.5		22	20	1	DRYER-C207			1.5
23	20	1	WASHER-C207			1.5	24	20	1	DRYER-C207			1.5
25	20	1	RECPT-C206	0.5			26	20	1	DRYER-C207	1.5		
27	20	1	VENDING-C206		1.5		28	20	1	DRYER-C207			1.5
29	20	1	VENDING-C206			1.5	30	20	1	DRYER-C207			1.5
31	20	1	VAV, SMOKE DAMPERS	0.5			32	20	1	DRYER-C207	1.5		
33	20	1	WASHER-C207		1.5		34	20	1	DRYER-C207			1.5
35	20	1	WASHER-C207			1.5	36	-	-	SPACE			
37	20	1	RECPT-C207	0.7			38	-	-	SPACE			
39	20	1	SPARE				40	-	-	SPACE			
41	20	1	SPARE				42	-	-	SPACE			
TOTAL CONNECTED LOAD: A= 13.4 B= 16.0 C= 14.5													
TOTAL KVA = 43.9													

2E1 COPPER BUS													
100 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ			COPPER BUS							
MIN. INTERRUPTING RATING			10,000 AMPS			SURFACE MOUNTED							
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. S215	1.5			2	20	1	RM. S214	1.5		
3	20	1	RM. S215		0.9		4	20	1	RM. S214			0.9
5	20	1	RM. S215			1.0	6	20	1	RM. S214			1.0
7	20	1	RM. S217	0.9			8	20	1	RM. S216	0.9		
9	20	1	RM. S217		1.0		10	20	1	RM. S216			1.0
11	20	1	RM. S217			1.5	12	20	1	RM. S216			1.5
13	20	1	RM. S219	1.0			14	20	1	RM. S218	1.0		
15	20	1	RM. S219		1.5		16	20	1	RM. S218			1.5
17	20	1	RM. S219			0.9	18	20	1	RM. S218			0.9
19	20	1	RM. S221	1.5			20	-	-	RM. S220	1.5		
21	20	1	RM. S221		0.9		22	-	-	RM. S220			0.9
23	20	1	RM. S221			1.0	24	-	-	RM. S220			1.0
25	20	1	SPARE				26	-	-	SPARE			
27	20	1	SPARE				28	-	-	SPARE			
29	20	1	NIGHT LIGHTS-S201,STAIR S200			0.2	30	20	1	RECPT-S201,STAIR S200			1.1
TOTAL CONNECTED LOAD: A= 9.8 B= 8.6 C= 10.1													
TOTAL KVA = 28.5													

2E2 COPPER BUS													
100 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ			COPPER BUS							
MIN. INTERRUPTING RATING			10,000 AMPS			SURFACE MOUNTED							
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. S203	1.5			2	20	1	RM. S202	1.5		
3	20	1	RM. S203		0.9		4	20	1	RM. S202			0.9
5	20	1	RM. S203			1.0	6	20	1	RM. S202			1.0
7	20	1	RM. S205	0.9			8	20	1	RM. S204	0.9		
9	20	1	RM. S205		1.0		10	20	1	RM. S204			1.0
11	20	1	RM. S205			1.5	12	20	1	RM. S204			1.5
13	20												

Drawing: P:\OKC\FAC\39702400\DORMA\ASBUILT\E404SC0A Saved: 09/02/2005 11:40 By: Khalil266 DimScale: 1.00 (TW=1) XRefs: XITLBLK

2F1													
			COPPER BUS										
100 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ										
MIN. INTERRUPTING RATING			10,000 AMPS SURFACE MOUNTED										
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. W213	1.5			2	20	1	RM. W212	1.0		
3	20	1	RM. W213		0.9		4	20	1	RM. W212		1.5	
5	20	1	RM. W213			1.0	6	20	1	RM. W212			0.9
7	20	1	RM. W215	0.9			8	20	1	RM. W214	1.5		
9	20	1	RM. W215		1.0		10	20	1	RM. W214		0.9	
11	20	1	RM. W215			1.5	12	20	1	RM. W214			1.0
13	20	1	RM. W217	1.0			14	20	1	RM. W216	0.9		
15	20	1	RM. W217		1.5		16	20	1	RM. W216		1.0	
17	20	1	RM. W217			0.9	18	20	1	RM. W216			1.5
19	20	1	SPARE				20	-	-	SPACE			
21	20	1	SPARE				22	-	-	SPACE			
23	20	1	SPARE				24	-	-	SPACE			
25	20	1	SPARE				26	-	-	SPACE			
27	20	1	SPARE				28	-	-	SPACE			
29	20	1	NIGHT LIGHTS-W200,W201		0.2		30	20	1	RECPT-W200,W201		1.2	
TOTAL CONNECTED LOAD: A= 6.8 B= 6.8 C= 8.2													
TOTAL KVA = 21.8													

\* LOCK-ON BREAKER

2F2													
			COPPER BUS										
100 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ										
MIN. INTERRUPTING RATING			10,000 AMPS SURFACE MOUNTED										
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. W203	0.9			2	20	1	RM. W202	1.5		
3	20	1	RM. W203		1.0		4	20	1	RM. W202		0.9	
5	20	1	RM. W203			1.5	6	20	1	RM. W202			1.0
7	20	1	RM. W205	1.0			8	20	1	RM. W204	0.9		
9	20	1	RM. W205		1.5		10	20	1	RM. W204		1.0	
11	20	1	RM. W205			0.9	12	20	1	RM. W204			1.5
13	20	1	RM. W207	1.5			14	20	1	RM. W206	1.0		
15	20	1	RM. W207		0.9		16	20	1	RM. W206		1.5	
17	20	1	RM. W207			1.0	18	20	1	RM. W206			0.9
19	20	1	RM. W209	0.9			20	20	1	RM. W208	1.5		
21	20	1	RM. W209		1.0		22	20	1	RM. W208		0.9	
23	20	1	RM. W209			1.5	24	20	1	RM. W208			1.0
25	20	1	RM. W211	1.0			26	20	1	RM. W210	0.9		
27	20	1	RM. W211		1.5		28	20	1	RM. W210		1.0	
29	20	1	RM. W211			0.9	30	20	1	RM. W210			1.5
TOTAL CONNECTED LOAD: A= 11.1 B= 11.2 C= 11.7													
TOTAL KVA = 34.0													

2G1													
			COPPER BUS										
100 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ										
MIN. INTERRUPTING RATING			10,000 AMPS SURFACE MOUNTED										
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. E213	1.5			2	20	1	RM. E212	1.5		
3	20	1	RM. E213		0.9		4	20	1	RM. E212		0.9	
5	20	1	RM. E213			1.0	6	20	1	RM. E212			1.0
7	20	1	RM. E215	0.9			8	20	1	RM. E214	0.9		
9	20	1	RM. E215		1.0		10	20	1	RM. E214		1.0	
11	20	1	RM. E215			1.5	12	20	1	RM. E214			1.5
13	20	1	RM. E217	1.0			14	20	1	RM. E216	1.0		
15	20	1	RM. E217		1.5		16	20	1	RM. E216		1.5	
17	20	1	RM. E217			0.9	18	20	1	RM. E216			0.9
19	20	1	SPARE				20	-	-	SPACE			
21	20	1	SPARE				22	-	-	SPACE			
23	20	1	SPARE				24	-	-	SPACE			
25	20	1	SPARE				26	-	-	SPACE			
27	20	1	SPARE				28	-	-	SPACE			
29	20	1	NIGHT LIGHTS-E200, E201		0.2		30	20	1	RECPT-E200,E201		1.1	
TOTAL CONNECTED LOAD: A= 6.8 B= 6.8 C= 8.1													
TOTAL KVA = 21.7													

\* LOCK-ON BREAKER

2G2													
			COPPER BUS										
100 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ										
MIN. INTERRUPTING RATING			10,000 AMPS SURFACE MOUNTED										
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. E203	0.9			2	20	1	RM. E202	1.5		
3	20	1	RM. E203		1.0		4	20	1	RM. E202		0.9	
5	20	1	RM. E203			1.5	6	20	1	RM. E202			1.0
7	20	1	RM. E205	1.0			8	20	1	RM. E204	0.9		
9	20	1	RM. E205		1.5		10	20	1	RM. E204		1.0	
11	20	1	RM. E205		0.9		12	20	1	RM. E204			1.5
13	20	1	RM. E207	1.5			14	20	1	RM. E206	1.0		
15	20	1	RM. E207		0.9		16	20	1	RM. E206		1.5	
17	20	1	RM. E207			1.0	18	20	1	RM. E206			0.9
19	20	1	RM. E209	0.9			20	20	1	RM. E208	1.5		
21	20	1	RM. E209		1.0		22	20	1	RM. E208		0.9	
23	20	1	RM. E209		1.5		24	20	1	RM. E208			1.0
25	20	1	RM. E211	1.0			26	20	1	RM. E210	0.9		
27	20	1	RM. E211		1.5		28	20	1	RM. E210		1.0	
29	20	1	RM. E211			0.9	30	20	1	RM. E210			1.5
TOTAL CONNECTED LOAD: A= 11.1 B= 11.2 C= 11.7													
TOTAL KVA = 34.0													

3B (FEED THRU LUGS FOR '3D')													
			COPPER BUS										
225 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ										
MIN. INTERRUPTING RATING			10,000 AMPS SURFACE MOUNTED										
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. S322	1.5			2	20	1	RM. C314	1.5		
3	20	1	RM. S322		0.9		4	20	1	RM. C314		0.9	
5	20	1	RM. S322			1.0	6	20	1	RM. C314			1.0
7	20	1	RM. S324	0.9			8	20	1	RM. C313	0.9		
9	20	1	RM. S324		1.0		10	20	1	RM. C313		1.0	
11	20	1	RM. S324			1.5	12	20	1	RM. C313			1.5
13	20	1	SPARE				14	20	1	RM. S323	1.0		
15	20	1	SPARE				16	20	1	RM. S323		1.5	
17	20	1	LIGHTING-C301,C303,C304		0.7		18	20	1	RM. S323		0.9	
19	20	1	LIGHTING-C316	0.3			20	20	1	RM. S325	1.5		
21	20	1	LIGHTING-C307,C309		1.0		22	20	1	RM. S325		0.9	
23	20	1	RECEPT-C309			0.9	24	20	1	RM. S325			1.0
25	20	1	RECEPT-C309,S330	1.1			26	20	1	C319	0.9		
27	20	1	RECEPT-C315,E322		0.7		28	20	1	C319		1.0	
29	20	1	RECEPT-C300,C310,C311			1.1	30	20	1	C319			1.5
31	20	1	RECEPT-C300,C301,C302	1.1			32	20	1	CV-AHU-3	0.9		
33	20	1	TELEPHONE BOARD		0.5		34	20	1	MR-10			
35	20	1	RECEPT-C304			0.4	36			SPACE			
37	20	1	RECEPT-C304	0.5			38			SPACE			
39	20	1	RECEPT-C304		0.4		40			SPACE			
41	20	1	RECEPT-C304			0.5	42			SPACE			
TOTAL CONNECTED LOAD: A= 12.1 B= 9.8 C= 12.0													
TOTAL KVA = 33.9													

3C (FEED THRU LUGS FOR '3C1')													
			COPPER BUS										
225 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ										
MIN. INTERRUPTING RATING			22,000 AMPS SURFACE MOUNTED										
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. S326	0.9			2	20	1	RM. S327	1.0		
3	20	1	RM. S326		1.0		4	20	1	RM. S327		1.5	
5	20	1	RM. S326			1.5	6	20	1	RM. S327			0.9
7	20	1	RM. S328	1.0			8	20	1	RM. S329	1.5		
9	20	1	RM. S328		1.5		10	20	1	RM. S329		0.9	
11	20	1	RM. S328		0.9		12	20	1	RM. S329			1.0
13	20	1	RM. S330	1.5			14	20	1	RM. S331	0.9		
15	20	1	RM. S330		0.9		16	20	1	RM. S331		1.0	
17	20	1	RM. S330		1.0		18	20	1	RM. S331			1.5
19	20	1	RM. S332	0.9			20	20	1	RM. S333	1.0		
21	20	1	RM. S332		1.0		22	20	1	RM. S333		1.5	
23	20	1	RM. S332			1.5	24	20	1	RM. S333			0.9
25	20	1	SPACE				26	20	1	C318	1.5		
27	20	1	SPACE				28	20	1	C318		0.9	
29	20	1	SPACE				30	20	1	C318			1.0
31	20	1	SPACE				32	20	1	SPACE			
33	20	1	SPACE				34	20	1	SPACE			
35	20	1	SPACE				36	20	1	SPACE			
37	20	1	SPACE				38	20	1	SPACE			
39													

Drawing: P:\OKC\FAC\39702400\DORMA\ASBUILT\E405SC0A Saved: 09/02/2005 11:40 By: Khal1266 DimScale: 1.00 (TV=1) XRefs: XTITLBLK

3C1				COPPER BUS			
225 AMP MAIN LUGS ONLY				120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ			
MIN. INTERRUPTING RATING				22,000 AMPS SURFACE MOUNTED			
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			
				A	B	C	
1	20	1	SPARE				
3	20	1	SPARE				
5	20	1	SPACE				
7	20	1	SPACE				
9	20	1	SPACE				
11	20	1	SPACE				
2	20	1	SPARE				
4	20	1	SPARE				
6	20	1	SPACE				
8	20	1	SPACE				
10	20	1	SPACE				
12	20	1	SPACE				
TOTAL CONNECTED LOAD:							
				A=	0		
				B=	0		
				C=	0		
				TOTAL KVA =	0		

3D				COPPER BUS			
225 AMP MAIN LUGS ONLY				120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ			
MIN. INTERRUPTING RATING				10,000 AMPS SURFACE MOUNTED			
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			
				A	B	C	
1	20	1	CORRIDOR LTG.-S330	0.7			
3	20	1	EMERG. LTG.-S300,S330	0.8			
5	20	1	CORR. LTG.-S300,S302,S308,S315			1.0	
7	20	1	SPARE				
9	20	1	WASHER-C307		1.5		
11	20	1	WASHER-C307			1.5	
13	20	1	WASHER-C307	1.5			
15	20	1	WASHER-C307		1.5		
17	20	1	WASHER-C307			1.5	
19	20	1	WASHER-C307	1.5			
21	20	1	WASHER-C307		1.5		
23	20	1	WASHER-C307			1.5	
25	20	1	RECPT-C306	0.5			
27	20	1	VENDING-C306		1.5		
29	20	1	VENDING-C306			1.5	
31	20	1	VAV, SMOKE DAMPERS	0.5			
33	20	1	WASHER-C307		1.5		
35	20	1	WASHER-C307			1.5	
37	20	1	RECPT-C307	0.7			
39	20	1	SPARE				
41	20	1	SPARE				
2	20	1	CORR. LTG.-E322,W318	1.0			
4	20	1	EMERG. LTG.-E322,W318		0.4		
6	20	1	SPARE				
8	20	1	DRYER-C307		1.5		
10	20	1	DRYER-C307			1.5	
12	20	1	DRYER-C307			1.5	
14	20	1	DRYER-C307		1.5		
16	20	1	DRYER-C307			1.5	
18	20	1	DRYER-C307			1.5	
20	20	1	DRYER-C307		1.5		
22	20	1	DRYER-C307			1.5	
24	20	1	DRYER-C307			1.5	
26	20	1	DRYER-C307		1.5		
28	20	1	DRYER-C307			1.5	
30	20	1	DRYER-C307			1.5	
32	20	1	DRYER-C307		1.5		
34	20	1	DRYER-C307			1.5	
36	-	-	SPACE				
38	-	-	SPACE				
40	-	-	SPACE				
42	-	-	SPACE				
TOTAL CONNECTED LOAD:							
				A=	13.9		
				B=	16.2		
				C=	14.5		
				TOTAL KVA =	44.6		

\* LOCK-ON BREAKER

3E1				COPPER BUS			
100 AMP MAIN LUGS ONLY				120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ			
MIN. INTERRUPTING RATING				10,000 AMPS SURFACE MOUNTED			
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			
				A	B	C	
1	20	1	RM. S302	1.5			
3	20	1	RM. S302		0.9		
5	20	1	RM. S302			1.0	
7	20	1	RM. S304	0.9			
9	20	1	RM. S304		1.0		
11	20	1	RM. S304			1.5	
13	20	1	RM. S306	1.0			
15	20	1	RM. S306		1.5		
17	20	1	RM. S306			0.9	
19	20	1	RM. S308	1.5			
21	20	1	RM. S308		0.9		
23	20	1	RM. S308			1.0	
25	20	1	SPARE				
27	20	1	SPARE				
29	20	1	NIGHT LIGHTS-S300, S301		0.2		
2	20	1	RM. S303	1.5			
4	20	1	RM. S303			0.9	
6	20	1	RM. S303			1.0	
8	20	1	RM. S305	0.9			
10	20	1	RM. S305		1.0		
12	20	1	RM. S305			1.5	
14	20	1	RM. S307	1.0			
16	20	1	RM. S307		1.5		
18	20	1	RM. S307			0.9	
20	-	-	RM. S309	1.5			
22	-	-	RM. S309		0.9		
24	-	-	RM. S309			1.0	
26	-	-	SPARE				
28	-	-	SPARE				
30	20	1	RECPT-S300, S301			1.1	
TOTAL CONNECTED LOAD:							
				A=	9.8		
				B=	8.6		
				C=	10.1		
				TOTAL KVA =	28.5		

\* LOCK-ON BREAKER

3E2				COPPER BUS			
100 AMP MAIN LUGS ONLY				120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ			
MIN. INTERRUPTING RATING				10,000 AMPS SURFACE MOUNTED			
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			
				A	B	C	
1	20	1	RM. S310	1.5			
3	20	1	RM. S310		0.9		
5	20	1	RM. S310			1.0	
7	20	1	RM. S312	0.9			
9	20	1	RM. S312		1.0		
11	20	1	RM. S312			1.5	
13	20	1	RM. S314	1.0			
15	20	1	RM. S314		1.5		
17	20	1	RM. S314			0.9	
19	20	1	RM. S316	1.5			
21	20	1	RM. S316		0.9		
23	20	1	RM. S316			1.0	
25	20	1	RM. S318	0.9			
27	20	1	RM. S318		1.0		
29	20	1	RM. S318			1.5	
31	20	1	RM. S320	1.0			
33	20	1	RM. S320		1.5		
35	20	1	RM. S320			0.9	
37	20	1	SPARE				
39	20	1	SPARE				
41	20	1	SPARE				
2	20	1	RM. S311	1.5			
4	20	1	RM. S311			0.9	
6	20	1	RM. S311			1.0	
8	20	1	RM. S313	0.9			
10	20	1	RM. S313			1.0	
12	20	1	RM. S313			1.5	
14	20	1	RM. S315	1.0			
16	20	1	RM. S315			1.5	
18	20	1	RM. S315			0.9	
20	20	1	RM. S317	1.5			
22	20	1	RM. S317		0.9		
24	20	1	RM. S317			1.0	
26	20	1	RM. S319	0.9			
28	20	1	RM. S319			1.0	
30	20	1	RM. S319			1.5	
32	20	1	RM. S321	1.0			
34	20	1	RM. S321			1.5	
36	20	1	RM. S321			0.9	
38	20	1	SPARE				
40	20	1	SPARE				
42	20	1	SPARE				
TOTAL CONNECTED LOAD:							
				A=	13.6		
				B=	13.6		
				C=	13.6		
				TOTAL KVA =	40.8		

3F1				COPPER BUS			
100 AMP MAIN LUGS ONLY				120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ			
MIN. INTERRUPTING RATING				10,000 AMPS SURFACE MOUNTED			
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			
				A	B	C	
1	20	1	RM. W313	1.5			
3	20	1	RM. W313		0.9		
5	20	1	RM. W313			1.0	
7	20	1	RM. W315	0.9			
9	20	1	RM. W315		1.0		
11	20	1	RM. W315			1.5	
13	20	1	RM. W317	1.0			
15	20	1	RM. W317		1.5		
17	20	1	RM. W317			0.9	
19	20	1	SPARE				
21	20	1	SPARE				
23	20	1	SPARE				
25	20	1	SPARE				
27	20	1	SPARE				
29	20	1	NIGHT LIGHTS-W300, W301		0.2		
2	20	1	RM. W312	1.0			
4	20	1	RM. W312		1.5		
6	20	1	RM. W312			0.9	
8	20	1	RM. W314	1.5			
10	20	1	RM. W314		0.9		
12	20	1	RM. W314			1.0	
14	20	1	RM. W316	0.9			
16	20	1	RM. W316		1.0		
18	20	1	RM. W316			1.5	
20	-	-	SPACE				
22	-	-	SPACE				
24	-	-	SPACE				
26	-	-	SPACE				
28	-	-	SPACE				
30	20	1	RECPT-W300, W301			1.2	
TOTAL CONNECTED LOAD:							
				A=	6.8		
				B=	6.8		
				C=	8.2		
				TOTAL KVA =	21.8		

\* LOCK-ON BREAKER

3F2				COPPER BUS			
100 AMP MAIN LUGS ONLY				120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ			
MIN. INTERRUPTING RATING				10,000 AMPS SURFACE MOUNTED			
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			
				A	B	C	
1	20	1	RM. W303	0.9			
3	20	1	RM. W303		1.0		
5	20	1	RM. W303			1.5	
7	20	1	RM. W305	1.0			
9	20	1	RM. W305		1.5		
11	20	1	RM. W305			0.9	
13	20	1	RM. W307	1.5			
15	20	1	RM. W307		0.9		
17	20	1	RM. W307			1.0	
19	20	1	RM. W309	0.9			
21	20	1	RM. W309		1.0		
23	20	1	RM. W309			1.5	
25	20	1	RM. W311	1.0			
27	20	1	RM. W311		1.5		
29	20	1	RM. W311			0.9	
2	20	1	RM. W302	1.5			
4	20	1	RM. W302			0.9	
6	20	1	RM. W302			1.0	
8	20	1	RM. W304	0.9			
10	20	1	RM. W304		1.0		
12	20	1	RM. W304			1.5	
14	20	1	RM. W306	1.0			
16	20	1	RM. W306			1.5	
18	20	1	RM. W306			0.9	
20	20	1	RM. W308	1.5			
22	20	1	RM. W308		0.9		
24	20	1	RM. W308			0.9	
26	20	1	RM. W310	1.0			
28	20	1	RM. W310			1.5	
30	20	1	RM. W310			1.5	
TOTAL CONNECTED LOAD:							
				A=	11.1		
				B=	11.2		
				C=	11.7		
				TOTAL KVA =	34.0		

DESIGNER OF RECORD <b>THE BENHAM GROUP / BDA</b> OKLAHOMA CITY, OK. GULFPORT, MS.	DATE 23 FEB 1998
PREP BY JTK	DATE 23 FEB 1998
REV. DESCRIPTION	DATE
AS-BUILT	DEC 2004

3G1						COPPER BUS							
100 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ			100 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ				
MIN. INTERRUPTING RATING			10,000 AMPS			MIN. INTERRUPTING RATING			10,000 AMPS				
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. E313	1.5			2	20	1	RM. E312	1.5		
3	20	1	RM. E313		0.9		4	20	1	RM. E312		0.9	
5	20	1	RM. E313			1.0	6	20	1	RM. E312			1.0
7	20	1	RM. E315	0.9			8	20	1	RM. E314	0.9		
9	20	1	RM. E315		1.0		10	20	1	RM. E314		1.0	
11	20	1	RM. E315			1.5	12	20	1	RM. E314			1.5
13	20	1	RM. E317	1.0			14	20	1	RM. E316	1.0		
15	20	1	RM. E317		1.5		16	20	1	RM. E316		1.5	
17	20	1	RM. E317			0.9	18	20	1	RM. E316			0.9
19	20	1	SPARE				20	-	-	SPACE			
21	20	1	SPARE				22	-	-	SPACE			
23	20	1	SPARE				24	-	-	SPACE			
25	20	1	SPARE				26	-	-	SPACE			
27	20	1	SPARE				28	-	-	SPACE			
* 29	20	1	NIGHT LIGHTS-E300,E301			0.2	30	20	1	RECPT-E300,E301			1.1

TOTAL CONNECTED LOAD: A= 6.8  
 B= 6.8  
 C= 8.1

TOTAL KVA = 21.7

\* LOCK-ON BREAKER

3G2						COPPER BUS							
100 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ			100 AMP MAIN LUGS ONLY			120/208 VOLT, 3 PHASE, 4 WIRE, 60 HZ				
MIN. INTERRUPTING RATING			10,000 AMPS			MIN. INTERRUPTING RATING			10,000 AMPS				
CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING			CKT. NO.	AMP TRIP	POLE	DESCRIPTION	PHASE LOADING		
				A	B	C					A	B	C
1	20	1	RM. E303	0.9			2	20	1	RM. E302	1.5		
3	20	1	RM. E303		1.0		4	20	1	RM. E302		0.9	
5	20	1	RM. E303			1.5	6	20	1	RM. E302			1.0
7	20	1	RM. E305	1.0			8	20	1	RM. E304	0.9		
9	20	1	RM. E305		1.5		10	20	1	RM. E304		1.0	
11	20	1	RM. E305			0.9	12	20	1	RM. E304			1.5
13	20	1	RM. E307	1.5			14	20	1	RM. E306	1.0		
15	20	1	RM. E307		0.9		16	20	1	RM. E306		1.5	
17	20	1	RM. E307			1.0	18	20	1	RM. E306			0.9
19	20	1	RM. E309	0.9			20	20	1	RM. E308	1.5		
21	20	1	RM. E309		1.0		22	20	1	RM. E308		0.9	
23	20	1	RM. E309			1.5	24	20	1	RM. E308			1.0
25	20	1	RM. E311	1.0			26	20	1	RM. E310	0.9		
27	20	1	RM. E311		1.5		28	20	1	RM. E310		1.0	
29	20	1	RM. E311		0.9		30	20	1	RM. E310			1.5

TOTAL CONNECTED LOAD: A= 11.1  
 B= 11.2  
 C= 11.7

TOTAL KVA = 34.0

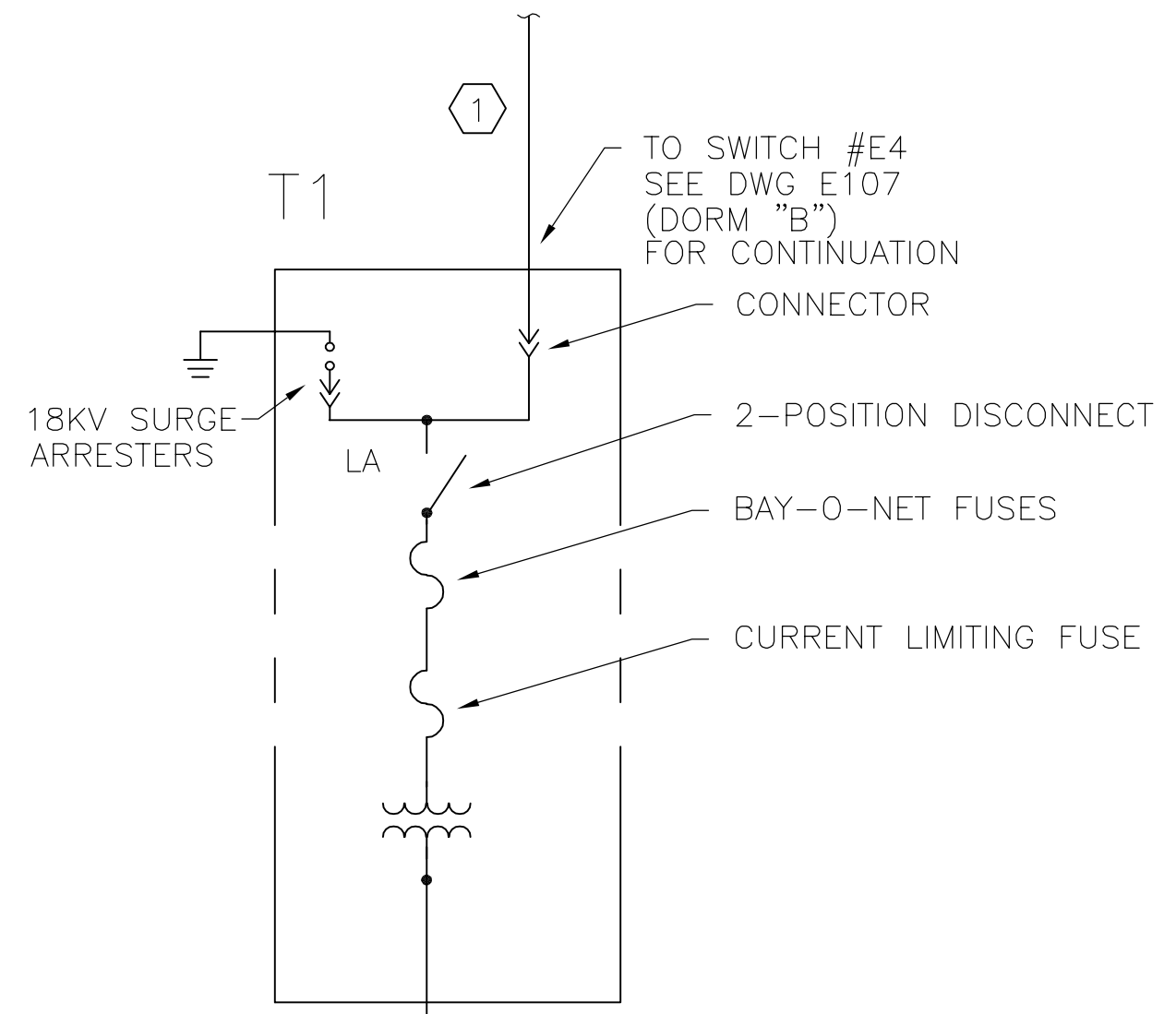
IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

DESIGNER OF RECORD <b>THE BENHAM GROUP / BDA</b> OKLAHOMA CITY, OK. GULFPORT, MS.		DATE 23 FEB 1998	
DRAWN BY <b>ROBERT H. KASTENS, JEA</b>		DISCIPLINE <b>ELECTRICAL</b>	
PROJECT NO. AS-BUILT		PROJECT NAME DEC 2004	
PROJECT LOCATION AS-BUILT		PROJECT TYPE AS-BUILT	
PROJECT DESCRIPTION SOUTHERN DIVISION CHARLESTON, S.C.		PREP BY DATE	
KEESLER AIR FORCE BASE STUDENT DORMITORIES FY-98 PANEL SCHEDULES		DATE	
APPROVED EFTD FOR COMMANDER, NAVFAC		DATE	
RECORD DRAWING DATE		CODE I.D. NO. <b>80091</b>	
DRAWING SIZE: <b>D</b>		SPEC. NO. <b>06-97-0866</b>	
CONSTRN. CONTR. NO. <b>N62467-97-C-0866</b>		NAVFAC DRAWING NO. <b>5345471</b>	
SHEET <b>193</b> OF		E406	

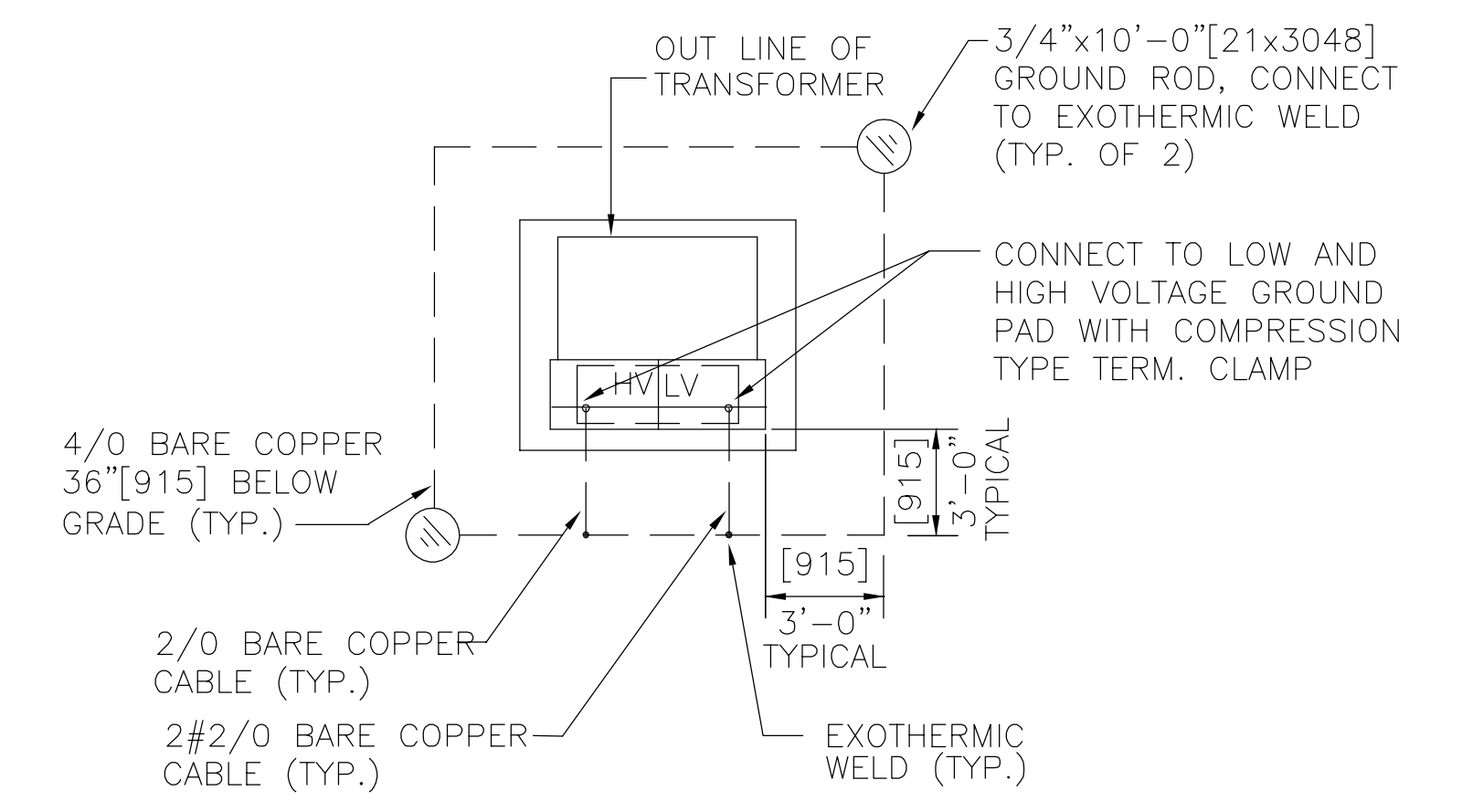
DORM "A"

AS-BUILT DRAWINGS

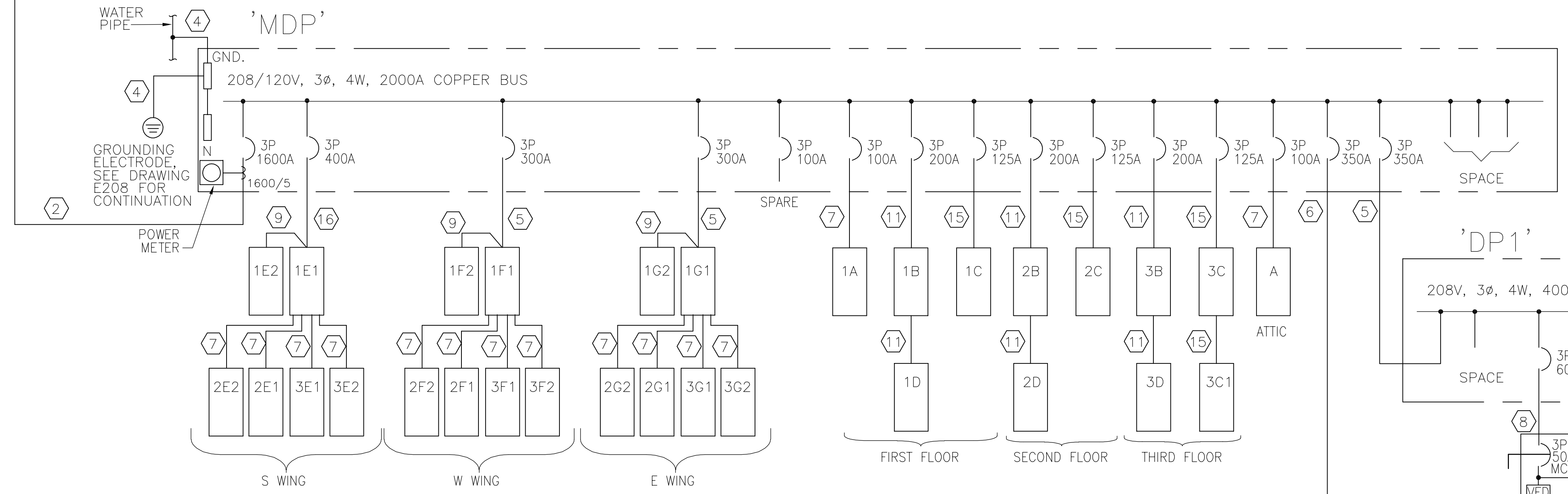
Drawing: P:\OKC\FAC\39702400\DORM\ASBUILT\E501D10A Saved: 09/02/2005 11:39 By: Khal1266 DimScale: 1.00 (TM=1) XRefs: XTITLBLK



TRANSFORMER SCHEDULE								
TRANSFORMER IDENTIFICATION	TRANSFORMER SIZE - KVA	HIGH SIDE VOLTAGE	LOW - SIDE VOLTAGE	PHASE	HIGH SIDE CONNECTION	LOW SIDE CONNECTION	SOURCE FEEDER	LOAD PANEL
T1	500	22,860/ 13,200	208Y/120	3 $\phi$	GROUNDED WYE	GROUNDED WYE	UTILITY	MDP

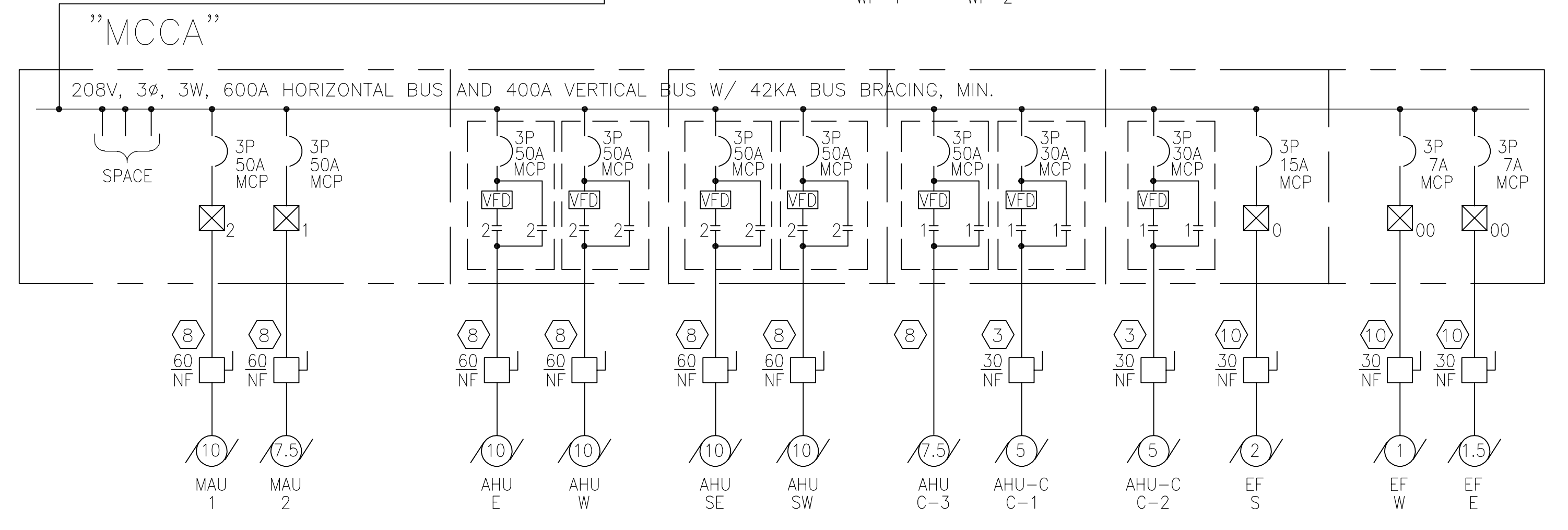


TRANSFORMER  
GROUNDING PLAN  
SCALE: NONE



LEGEND

- |   |  |   |   |
|---|--|---|---|
| ① | 2-WAY DUCT BANK WITH (1) 5"[129]C. 3-1/C#1/0 25KV 133% EPR WITH #2 600V NEUTRAL CONDUCTOR AND (1)5"[129]C.O. SPARE | ⑧ | 3/4"[21]C. 3#8, #8 GND                    |
| ② | (5) 4"[103]RGSC., (4)#500kcmil, EA.  | ⑨ | 1-1/4"[35]C. 4#4, #8 GND                  |
| ③ | 3/4"[21]C. 3#10, #10 GND   | ⑩ | 3/4"[21]C. 3#12, #12 GND                  |
| ④ | #3/0 GROUNDING ELECTRODE CONDUCTOR   | ⑪ | 2"[53]C. 4#3/0, #6 GND                    |
| ⑤ | 4"[103]C. 4#500kcmil, #3 GND.  | ⑫ | 3/4"[21] C., 4#12, #12 GND.               |
| ⑥ | 3"[78]C. (3)#500kcmil, #3 GND.   | ⑬ | 1 1/2"[41]C. 3#1, #6 GND                  |
| ⑦ | 1-1/4"[35]C. 4#3, #8 GND.  | ⑭ | NOT USED                                  |
|   |  | ⑮ | 1-1/2"[41]C. 4#1, #6 GND.                 |
|   |  | ⑯ | (2) 4"[103]C. 4#500kcmil AND #3 GND., EA. |



IF SHEET IS LESS THAN (22"x34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

DORM "A"

DIMENSIONS SHOWN IN BRACKETS ARE IN MILLIMETERS.

DESIGNER OF RECORD <b>THE BENHAM GROUP / BDA</b> JOINT VENTURE OKLAHOMA CITY, OK. GULFPORT, MS.	PREP BY <b>SRD</b>	DATE APPROVD <b>15 APR 98</b>
ISSN <b>JTK</b>	REV. DESCRIPTION <b>AMENDMENT NO. 1</b>	DATE <b>23 FEB 1998</b>
DISCIPLINE <b>ELECTRICAL</b>	AS-BUILT	DEC 2004
PROJECT NO. <b>5345472</b>	SHEET <b>194</b>	OF <b>194</b>
RECORD DRAWING DATE	CODE ID. NO. <b>80091</b>	DRAWING SIZE: <b>D</b>
SPEC. NO. <b>06-97-0866</b>	CONSTRN. CONTR. NO. <b>N62467-97-C-0866</b>	NAVAFAC DRAWING NO. <b>5345472</b>
SEAL AREA		
SOUTHERN DIVISION CHARLESTON, S.C.		
KEESLER AIR FORCE BASE STUDENT DORMITORIES FY-98 SINGLE LINE DIAGRAM		
BILOXI, MS.		
APPROVED		
PRJ. MGR.: S. HULL		





