ELECTRICAL ABBREVIATIONS

	ELECTRICAL	ABBNEV	IVIIOIA2
A ==	ABOVE ELOOD	1	LCITC
AF	ABOVE FLOOR	LTS	LIGHTS
AFF	ABOVE FINISHED FLOOR	LV	LOW VOLTAGE
AFG	ABOVE FINISHED GRADE	M5	MAGNETIC MOTOR STARTER
AHU	AIR HANDLING UNIT	MCB	MAIN CIRCUIT BREAKER
ACCU	AIR COOLED CONDENSING UNIT	MDP	MAIN DISTRIBUTION PANEL
AC	ALTERNATING CURRENT	MDS	MAIN DISTRIBUTION SWITCHBOARD
AMP, A	AMPERE	MLO	MAIN LUG ONLY
ADO	AUTOMATIC DOOR OPENER	MH	MANHOLE
ATS	AUTOMATIC TRANSFER SWITCH	MMS	
			MANUAL MOTOR STARTER
AUX	AUXILIARY CONTACTS	MTS	MANUAL TRANSFER SWITCH
BCU	BARE COPPER	MFR	MANUFACTURER
BFG	BELOW FINISHED GRADE	MATV	MASTER ANTENNA TELEVISION
CUH	CABINET UNIT HEATER	MC	
			MECHANICAL CONTRACTOR
CATV	CABLE ANTENNA TELEVISION	MV	MEDIUM VOLTAGE
CLG	CEILING	MCC	MOTOR CONTROL CENTER
CKT	CIRCUIT	MTD	MOUNTED
		MTG HGT	MOUNTING HEIGHT
CB, C/B	CIRCUIT BREAKER		
CKT BKR		N/L	NIGHT LIGHT
CCTV	CLOSED CIRCUIT T.V.	NF	NON-FUSED
CMS	COMBINATION MAGNETIC STARTER	NF55	NON-FUSED SAFETY SWITCH
С			
	CONDUIT	NTS	NOT TO SCALE
COL	COLUMN	OP OP	OVERCURRENT PROTECTION
CONT	CONTINUE, CONTINUED OR CONTINUOUS	OL	OVERLOAD PROTECTION
CONTR	CONTRACTOR	PNL	PANEL
C/P	CORD AND PLUG		
		6	PHASE
CU	COPPER	P/E	PHOTO-ELECTRIC CELL
D	DRYER	PLT	PILOT LIGHT
DB	DIRECT BURIAL	PE	PNEUMATIC - ELECTRIC SWITCH
DC	DIRECT CURRENT		
		P	POLE
DFA	DROP FROM ABOVE	PVC	POLYVINYLCHLORIDE
DS, DISC. SW.	DISCONNECT SWITCH	PWR	POWER
DR	DUPLEX RECEPTACLE	POD	POWER OPERATED DAMPER
EC	ELECTRICAL CONTRACTOR		
EC	ELECTRICAL CONTRACTOR	PTRV	POWER TYPE ROOF VENTILATOR
EMT	ELECTRICAL METALLIC TUBING	PUH	PROPELLER UNIT HEATER
ELEC	ELECTRIC	PB	PUSHBUTT <i>O</i> N
EWC	ELECTRIC WATER COOLER	P/B	PULL BOX
EMERG	EMERGENCY	QUAN	QUANTITY
		·	
MTC	EMPTY CONDUIT	RECEPT	RECEPTACLE
EG	EQUIPMENT GROUND	REF	REFRIGERATOR
EF	EXHAUST FAN	RF	RETURN FAN
EX	EXISTING	RAC	RIGID ALUMINUM CONDUIT
EJ	EXPANSION JOINT	RGS	RIGID GALVANIZED STEEL CONDUIT
EXP,XP	EXPLOSION PROOF	SF	SUPPLY FAN
FCU	FAN COIL UNIT	SIG	SIGNAL
FM5	FLEXIBLE METAL CONDUIT	5/N	SOLID NEUTRAL
FA	FIRE ALARM	SP0	SPECIAL RECEPTACLE
FACP	FIRE ALARM CONTROL PANEL	5 5	SAFETY SWITCH
FIXT	FIXTURE	STA	STATION
FLUOR	FLUORESCENT	SU	STUB UP
F	FUSED	SW	SWITCH
F55	FUSED SAFETY SWITCH	TEL	TELEPHONE
GD	GARBAGE DISPOSAL	ттв	TELEPHONE TERMINAL BOARD
GC	GENERAL CONTRACTOR	TTC	TELEPHONE TERMINAL CABINET
GEN	GENERATOR	TV	TELEVISION
G, GND	GROUND	TCC	TEMPERATURE CONTROL CONTRACTO
GFI	GROUND FAULT INTERRUPTER	Т	THERMOSTAT
GTB	GROUND TERMINAL BOX	TC	TIME CLOCK
HOA	HAND OFF AUTOMATIC SELECTOR SWITCH	XFMR	TRANSFORMER
HH	HANDHOLE	UF	UNDERGROUND FEEDER
HZ	HERTZ	UH	UNIT HEATER
HV	HIGH VOLTAGE	UNO	UNLESS NOTED OTHERWISE
HP	HORSE POWER	VP	VAPOR PROOF
INCAND	INCANDESCENT	V	VOLTAGE
IMC	INTERMEDIATE METAL CONDUIT	VA	VOLT - AMPERES
IG	ISOLATED GROUND	WA	WASHER
JB	JUNCTION BOX	W	WATT OR WIRE
	KILOWATT	WT	WATER TIGHT
KW	KILOWATT HOUR	WP	WEATHER PROTECTED
KWH KWH	Common of the second se		
KWH	VII OVOIT AMBRORE	WM	WIREMOLD
KWH KVA	KILOVOLT - AMPERES		
KWH	KILOVOLT - AMPERES KITCHEN EQUIPMENT CONTRACTOR	W/	WITH
KWH KVA		W/	WITH
KWH KVA KEC LT	KITCHEN EQUIPMENT CONTRACTOR	W/	WITH
KWH KVA KEC	KITCHEN EQUIPMENT CONTRACTOR	W/	WITH

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		CA PARAMETRIS CONTRACTOR			
N	MOUNTIN	G	PLOVDIE-1971	01/1 IPA:	
EILING	Ļ	FLOOR	DESCRIPTION	SYMBOL	DESCRIPTION
0	Ф		FLUORESCENT FIXTURE	мсс	MOTOR CONTROL CENTER
0	Q		INCANDESCENT FIXTURE	MDP MOPORITOR OF THE PROPERTY	MAIN DISTRIBUTION PANELBOARD
·			H.I.D. FIXTURE	and the strong	ELECTRICAL DISTRIBUTION PANELBOARD
0			FLUORESCENT DOWNLIGHT	4	LIGHTING OR POWER PANEL AS NOTED
0			INCANDESCENT DOWNLIGHT	6	PANEL AS NOTED
[:]			H.I.D. DOWNLIGHT	TR	TRANSFORMER
8	Š		EXIT LIGHT - LINE INDICATES FACE	30A,3P,NEMA 3R FJ 20A FUSE	DISCONNECT SWITCH - FUSED
$\overline{\otimes}$	፟፟፟፟፟		ARROW INDICATES FACE WITH DIRECTION OF TRAVEL	60A,3P,NEMA 3R	DISCONNECT SWITCH - NON-FUSED
0100003350	¢.		SWITCH - SINGLE POLE LOWERCASE LETTER INDICATES	C	LIGHTING CONTACTOR
	\$ a		FIXTURES/LAMPS CONTROLLED (TYPICAL)	SA .	CONTROL RELAY
	\$ _{2P}		SWITCH - TWO POLE, SINGLE THROW		MAGNETIC MOTOR STARTER
	\$ ₃		SWITCH - THREE WAY	⊠₁	COMBINATION STARTER & DISC. SW.
	\$4		SWITCH - FOUR WAY	30A, 3ø,480V NEMA 1	CIRCUIT BREAKER ENCLOSURE
00 C C C C C C C C C C C C C C C C C C	\$ _{PL}		SWITCH WITH PILOT LIGHT - SINGLE POLE		CAPACITOR SIZE AS NOTED
	\$ 1000		DIMMER SWITCH WATTAGE AS INDICATED	Z	MANUAL STARTER W/ OVERLOADS
	\$ K		KEY SWITCH - SINGLE POLE	□PP	MANUAL STARTER W/ PILOTLIGHT
	\$ _{K3}		KEY SWITCH - THREE WAY	√ G /	EMERGENCY GENERATOR
	\$ _T		TIMER SWITCH	ATS	AUTOMATIC TRANSFER SWITCH
	\$ _M		SWITCH - MOMENTARY CONTACT		CONDUIT-CONCEALED IN CEILING OR WALL
	φ	0	DUPLEX RECEPTACLE		CONDUIT-CONCEALED IN OR BELOW FLOOR
	#		DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER		CONDUIT-UNDERGROUND
	φ		SINGLE RECEPTACLE MOUNTED ABOVE COUNTER		CONDUIT-EXPOSED
#	#	(4)	DOUBLE DUPLEX RECEPTACLE		DIRECT BURIED CABLE
-	•		SPECIAL RECEPTACLE OR OUTLET AS NOTED		INDICATES HOME RUN
	B S		SAFETY RECEPTACLE		INDICATES PHASE OR HOT CONDUCTOR
,	P WP GFI		WEATHERPROOF DUPLEX RECEPTACLE		INDICATES GROUNDED OR NEUTRAL CONDUCTOR
⊕ EXP	P EXP	⊕ EXP	EXPLOSION PROOF RECEPTACLE OR OUTLET		INDICATES GROUNDING CONDUCTOR
	Φ GFI	Community	DUPLEX G.F.C.I. TYPE RECEPTACLE		INDICATES NUMBER OF CIRCUITS IN RUN
→ IG	ΦIG	D IG	ISOLATED GROUND RECEPTACLE		INDICATES SWITCHED AND UNSWITCHED CIRCUITS
		Cadoline	MULTI-OUTLET RACEWAY - TYPE AS NOTED		CONDUIT TURNED UP
	Ф Ф		JUNCTION BOX		CONDUIT TURNED DOWN
	P		PULL BOX SIZE AS NOTED		CONDUIT STUBBED OUT AND CAPPED
				•	PUSHBUTTON STATION
				□	PUSHBUTTON STATION WITH PILOT LIGHT
				TC	TIME CLOCK
	***************************************			+	ROUGH-IN & FINAL CONNECTION
					MOTOR
					STEP DOWN OR CONTROL POWER TRANSFORMER
				DO	ELECTRIC DOOR OPERATOR
				- - 1:	GROUNDING ELECTRODE OR GROUND ROD
					GROUND CONNECTION
					GROUNDING TRIANGLE - REFER TO DETAILS FOR S

	FIRE ALARM SYMBOLS									
€ HRR	⊬₽	HEAT DETECTOR (RATE OF RISE)	-	DOOR HOLDER ROUGH-IN (IN DOOR CLOSER)						
F) _{H135}	₩F) H135	HEAT DETECTOR (FIXED TEMPERATURE)	DH	MAGNETIC DOOR HOLDER						
€ _{SD}	₩Ê _{SD}	SMOKE DETECTOR (PHOTO-ELECTRIC)	DD	DIGITAL DIALER						
	⟨F⟩SD	SMOKE DETECTOR (P-E W/ DUCT PROBE IN SUPPLY)	FARA	FIRE ALARM REMOTE ANNUNCIATOR						
	₹ R SD	SMOKE DETECTOR (P-E W/ DUCT PROBE IN RETURN)	FAGA	FIRE ALARM GRAPHIC REMOTE ANNUNCIATOR						
Ē	HID	INFRARED BEAM SMOKE DETECTOR	FACP	FIRE ALARM CONTROL PANEL						
	E	FIRE ALARM PULL STATION	FAA	FIRE ALARM CONTROL PANEL AND ANNUNCIATOR						
E⊲ _{AV}	ENAV	FIRE HORN / LIGHT COMBINATION	FS	FLOW SWITCH						
	Ē√	FIRE INDICATING STROBE LIGHT	PS	PRESSURE SWITCH						
€ _{RB}	⊬F _{RB}	FIRE INDICATING LIGHT - ROTATING BEACON	TS	TAMPER SWITCH						
∇	∇	FIRE CHIME / LIGHT COMBINATION	لط.	ALARM CHECK VALVE SWITCH						
□□F	□ F	ELECTRONIC "WOOP"	PIV	POST INDICATING VALVE						
	<u> </u>	REMOTE INDICATING ALARM LAMP	©	SPRINKLER ALARM BELL						
	P	FIRE ALARM BELL	\$ _R	REMOTE RESET SWITCH						

TIMER

ALARM

RELAY

SELONOID

AUTOMATIC CONTROL VALVE

 \bigcirc

S

 ${\Bbb R}$

ACV

COMMUNICATION SYSTEM SYMBOLS									
¥	Y	ONE TELEPHONE OUTLET	<u>anc</u>	TERMINAL CABINET					
+44	YY	TWO TELEPHONE OUTLETS	CEB	TERMINAL BACKBOARD-4'X 8'X 3/4" PLYWOOD					
7	区	ONE DATA OUTLET	6	ELOOP MOUNTED ELA TYPE DACK LIITU DOODG					
-144		TWO DATA OUTLETS		FLOOR MOUNTED EIA TYPE RACK WITH DOORS					
+•<	VV	ONE TELEPHONE AND ONE DATA OUTLET	K	LIALL MOUNTED FLA TYPE DACK					
+•<	▼ ∇∇	ONE TELEPHONE AND TWO DATA OUTLETS		WALL MOUNTED EIA TYPE RACK					
4	Ŧ	TELEVISION OUTLET - CONDUIT AND DEVICE BOX ONLY							

GENERAL NOTES: ELECTRICAL

- I. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL APPLICABLE CODES, LOCAL ORDINANCES AND INDUSTRY STANDARDS.
- 2. NATIONAL ELECTRICAL CODE (NEC) NATIONAL ELECTRICAL SAFETY CODE AND NATIONAL ELECTRICAL CONTRACTOR ASSOCIATION (NECA) INSTALLATION
- 3. ALL INSIDE CONDUIT SHALL BE ELECTRICAL METALLIC TUBING (EMT) EXCEPT IN INMATE ACCESSIBLE AREAS WHICH SHALL BE GALVANIZED RIGID STEEL OR IMC CONDUIT, UNLESS OTHERWISE NOTED.
- 4. ALL EXPOSED OUTSIDE CONDUIT SHALL BE GALVANIZED RIGID STEEL OR IMC CONDUIT, UNDERGROUND CONDUITS SHALL BE A MINIMUM OF SCHEDULE 40 PVC
- CONDUIT, UNLESS OTHERWISE NOTED.

 5. MINIMUM ELECTRICAL CONDUIT SIZE SHALL BE 3/4", OTHER CONDUIT SIZES ARE NOTED ON CONTRACT DOCUMENTS.
- 6. PROPERLY SUPPORT ALL CONDUITS AND JUNCTION BOXES.

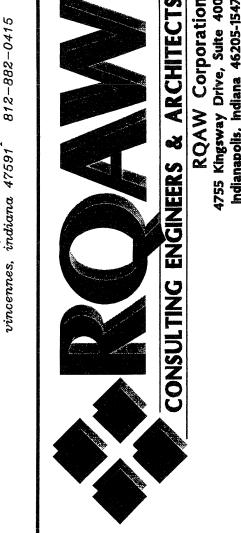
STANDARDS SHALL BE CONSIDERED MINIMUM STANDARDS.

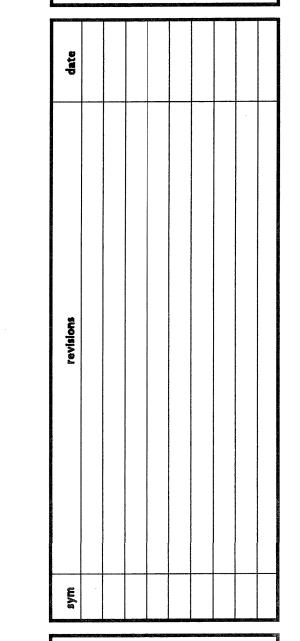
- 7. MINIMUM CONDUCTOR SIZE SHALL BE NUMBER 12 AWG. OTHER CONDUCTOR SIZES ARE NOTED ON CONTRACT DOCUMENTS.
- 8. CONDUCTOR INSULATION SHALL BE THW, THWN OR THHN RATED AT 600 VOLTS, 75
 DEGREES C. FOR DRY LOCATIONS AND 75 DEGREES C. FOR WET LOCATIONS.
- 9. CONDUCTORS SHALL BE SPLICED IN BOXES ONLY.
- 10. MOUNT ALL CONDUITS TO BOTTOM OF HOLLOW-CORE SLAB, STEEL 1-BEAMS, PURLINS, BAR JOISTS OR ON UNISTRUT CHANNEL AND THREADED RODS.
- II. CONDUIT FILL SHALL NOT DEVIATE FROM THAT SHOWN ON CONTRACT DOCUMENTS.

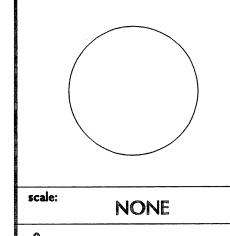
THE SAME AREA SHALL BE ROUTED TOGETHER IN A PARALLEL, ORDERLY MANNER.

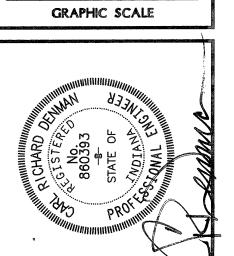
- 12. INSTALL CONDUIT AT LOCATIONS SHOWN ON CONTRACT DOCUMENTS. CONDUIT IN
- 13. CONTRACTOR SHALL SUPPLY ALL NECESSARY HANGERS AND/OR MOUNTING ACCESSORIES FOR LIGHTING FIXTURES. CONTRACTOR TO VERIFY LIGHT FIXTURE MOUNTING FOR CEILING TYPE FIXTURE IS TO BE MOUNTED IN OR ON. PROVIDE PROPER TYPE FIXTURE FOR THAT CEILING TYPE.
- 14. ALL FLUORESCENT LENSES SHALL BE 100% VIRGIN ACRYLIC EXCEPT WHERE NOTED OTHERWISE.
- I5. INSTALL GROUNDING BUSHING AND No. 6 GROUND WIRE IN PANEL ON THE ENDS OF ALL 3/4" GALVANIZED RIGID STEEL CONDUITS PROTECTING A GROUNDING ELECTRODE CONDUCTOR.
- I6. INSTALL I" CONDUIT AT TELEPHONE AND DATA OUTLET DEVICE BOXES AND STUB-UP ABOVE ACCESSIBLE CEILINGS TO PULL BOX. HOME RUN TO COMMUNICATION EQUIPMENT BOARD SHALL BE IN CONDUIT. CONDUIT SIZE AS DETERMINED BY NUMBER OF CABLES. SEE SPECIFICATIONS.
- 17. INSTALL GROUND WIRE IN ALL CONDUITS.
- 18. ALL SYMBOLS DESCRIBED ON THIS DRAWING ARE NOT SHOWN ON ALL DRAWINGS FOR THIS PROJECT.
- 19. ALL BRANCH CIRCUIT WIRING SHOWN ON THE DRAWINGS SHALL BE CONNECTED TO THE PANEL INDICATED ON THE DRAWINGS AND THE OVER CURRENT PROTECTION DEVICE IN THAT PANEL WITHOUT EXCEPTION, UNLESS THE CONTRACTOR HAS THE APPROVAL OF THE ENGINEER.
- 20. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL SHOP DRAWINGS WITH THE OTHER TRADES AND MAKE ALL ELECTRICAL CONNECTIONS REQUIRED BY THOSE SHOP DRAWINGS.

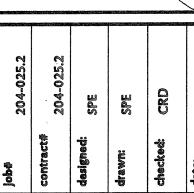












KNOX COUNTY JAIL

VINCENNES, INDIANA

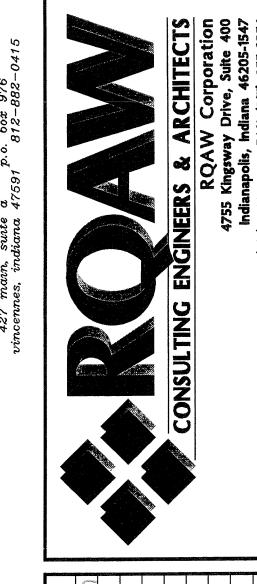
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TALAMANATAS SE		LIGHT FIXTU	JRE SC	HEDULE	
TYPE	DESCRIPTION	MANUFACTURER	TYPE	DESCRIPTION	MANUFACTURER
E 1	EXIT LIGHTING UNIT, 6" RED LETTERS WITH FULL 3/4" LETTER STROKE EVENLY ILLUMINATED BY RED LIGHT EMITTING DIODES, BLACK BODY, BRUSHED ALUMINUM FACE, 277V AC POWER SOURCE, SELF-DIAGNOSTIC TESTING AND U.L. LISTING. NUMBER OF FACES AND MOUNTING AS REQUIRED, REFER TO DRAWINGS.	1. DUAL LITE EXCALIBUR SERIES 2. EMERGI-LITE 3. SURE-LITES 4. LITHONIA CAT NO. LE S I R 277 ELN SD	M1	100 WATT METAL HALIDE, ROUNDED WEDGE WALL SCONCE WITH ONE PIECE DIE CAST ALUMINUM HOUSING, BAKED-ON DARK BRONZE POWDER COATING, GASKETED, CLEAR PRISMATIC, BOROSILICATE GLASS REFRACTOR, WIDE THROW LIGHT DISTRIBUTION, ONE (I) 100 WATT METAL HALIDE LAMP, AUTO-REGULATOR, CONSTANT WATTAGE, 277V BALLAST AND U.L. LISTED FOR WET LOCATIONS.	I. GARDCO CAT. NO. 102 WT 100MH 277 BRP 2. GENERAL ELECTRIC 3. HALOPHANE 4. LITHONIA CAT NO. WST 100M WT 277 DDBT 5. LUMARK
E2	EXIT LIGHTING UNIT, 6" RED LETTERS WITH FULL 3/4" LETTER STROKE EVENLY ILLUMINATED BY RED LIGHT EMITTING DIODES, COLD ROLLED STEEL BLACK BODY, .188" POLYCARBONATE LENS AND TAMPERPROOF FASTENERS, 277V AC POWER SOURCE AND U.L. LISTING. NUMBER OF FACES AND MOUNTING AS REQUIRED, REFER TO DRAWINGS.	1. KENALL CAT. NO. XBL 1 B R 277 EL 2. EMERGI-LITE 3. FAIL-SAFE 4. MORLITE	M2	175 WATT METAL HALIDE, ROUNDED WEDGE WALL SCONCE WITH ONE PIECE DIE CAST ALUMINUM HOUSING, BAKED-ON DARK BRONZE POWDER COATING, GASKETED, CLEAR PRISMATIC, BOROSILICATE GLASS REFRACTOR, WIDE THROW LIGHT DISTRIBUTION, ONE (1) 175 WATT METAL HALIDE LAMP, AUTO-REGULATOR, CONSTANT WATTAGE, 277V BALLAST AND U.L. LISTED FOR WET LOCATIONS. 54 LYANIA 175 W METALARC LAMPS ONLY	1. GARDCO CAT. NO. 102 WT 175MH 277 BRP 2. GENERAL ELECTRIC 3. HALOPHANE 4. LITHONIA CAT. NO. WST 175M WT 277 DDBT 5. LUMARK
E 3	EMERGENCY STANDBY LIGHTING UNIT WITH TWO 8 WATT PAR 36 OR 9 WATT HIT LAMPHEADS, MAINTENANCE FREE, SEALED PURE LEAD OR NICKEL CADMIUM BATTERY, 277V AC/DC UNIT, FULLY AUTOMATIC OPERATION AND U.L. LISTING.	I. DUAL LITE CAT. NO. ML-4E 2. EMERGI-LITE 3. SURE-LITES 4. LITHONIA CAT. NO. ELU2	M3	400 WATT METAL HALIDE ARM MOUNTED FIXTURE WITH ONE-PIECE SQUARE ALUMINUM HOUSING, BAKED-ON DARK BRONZE POWDER COATING, GASKETED GLASS LENS, TYPE 3 PHOTOMETRIC DISTRIBUTION, ONE (1) 400 WATT METAL HALIDE LAMP, AUTO-REGULATOR, CONSTANT WATTAGE, 277V BALLAST AND U.L. LISTED FOR WET LOCATIONS. LIGHT FIXTURE SHALL BE MOUNTED ON A 6" ARM AND 30 FOOT LONG, SQUARE ALUMINUM POLE WITH BAKED-ON BRONZE POWDER COATING.	1. GARDCO CAT. NO. EH 19 1 3 400 MH 277 BRA MF 2. GENERAL ELECTRIC 3. HALOPHANE 4. LITHONIA CAT. NO. KSF2 400M R3 277 SPO9 DDB/SSA 30 6G DMI9 DDB 5. LUMARK 6. MCGRAW
			M4	TWO (2) 400 WATT METAL HALIDE ARM MOUNTED FIXTURES EACH WITH ONE-PIECE SQUARE ALUMINUM HOUSING, BAKED-ON DARK BRONZE POWDER COATING, GASKETED GLASS LENS, TYPE 3 PHOTOMETRIC DISTRIBUTION, ONE (1) 400 WATT METAL HALIDE LAMP, AUTO-REGULATOR, CONSTANT WATTAGE, 277V BALLAST AND U.L. LISTED FOR WET LOCATIONS. LIGHT FIXTURES SHALL BE MOUNTED ON TWO (2) 6" ARMS 180 DEGREES APART AND ONE (1) 30 FOOT LONG, SQUARE ALUMINUM POLE WITH BAKED-ON BRONZE POWDER COATING.	1. GARDCO CAT. NO. EH 19 2 3 400 MH 277 BRA MF 2. GENERAL ELECTRIC 3. HALOPHANE 4. LITHONIA CAT NO. 2/KSF2 400M R3 277 SPO9 DDB/SSA 30 6J DMI9 DDB 5. LUMARK 6. MCGRAW
F1	2'X4' RECESSED FLUORESCENT STATIC PARABOLIC FOR RECESSING IN A SUSPENDED ACOUSTIC CEILING GRID WITH 32 CELL 3" DEEP LOW IRIDESCENCE SEMI-SPECULAR ALUMINIUM LOUVERS, BAKED-ON WHITE POWDER COATING, FOUR (4) F32T8 TRI-PHOSPHOR LAMPS, TWO (2) ADVANCE CENTIUM OR MOTOROLA CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLASTS AND U.L. LISTING.	1. DAY-BRITE CAT. NO. 2 LP3 G S 4 32-48 SL-277-2/2-EB-F32T8 2. HOLOPHANE 3. H.E.WILLIAMS 4. LITHONIA CAT. NO. 2P3MN G B 4 32 32 LD GEBIORS 5. METALUX 6. COLUMBIA	M5	175 WATT METAL HALIDE, ROUND RECESSED DOWNLIGHT FIXTURE WITH GASKETED CONCAVE FRESNEL GLASS LENS, DIE CAST ALUMINUM MOUNTING FRAME, BAKED WHITE ENAMEL FINISH, ALUMINUM REFLECTOR, ONE (I) 175 WATT METAL HALIDE LAMP, AUTO-REGULATOR, CONSTANT WATTAGE, 277V BALLAST AND U.L. LISTED FOR DAMP LOCATIONS.	1. GARDCO CAT. NO. 220 F 175MH 277 BRP 2. GENERAL ELECTRIC 3. HALOPHANE 4. LITHONIA CAT. NO. LGH 175M 12 RW CHL 5. LUMARK
-2	2'X4' RECESSED FLUORESCENT STATIC TROFFER FOR RECESSING IN A SUSPENDED ACOUSTIC CEILING GRID WITH AI2 PATTERN, .I25" NOMINAL THICKNESS VIRGIN ACRYLIC LENS, BAKED-ON WHITE POWDER COATING, FOUR (4) F32T8 TRI-PHOSPHOR LAMPS, TWO (2) ADVANCE CENTIUM OR MOTOROLA CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLAST AND U.L. LISTING.	1. DAY-BRITE CAT. NO. 2 DP G 4 32-FS 12 277-1/2-EB-F32T8 2. HOLOPHANE 3. H.E.WILLIAMS 4. LITHONIA CAT. NO. 2SP8 G 4 32 AI2I25 277 GEBIORS 5. METALUX 6. COLUMBIA	M6	WATT METAL HALIDE LIGHT FIXTURE WITH CAST ALUMINUM HUSK AND LATCH LEVERS, STEEL LATCH BALES, CONICAL AND ROUND BOROSILICATE REFLECTOR/REFRACTOR, BAKED WHITE ENAMEL FINISH ON ALUMINUM, 96" LONG WHITE METAL STEM, ONE (I) 400 WATT METAL HALIDE LAMP, AUTO-REGULATOR, CONSTANT WATTAGE, MULTI-VOLTAGE REMOTE BALLAST AND U.L. LISTED FOR DAMP LOCATIONS.	1. HALOPHANE CAT. NO. 24R-490MH-MT-D-W-3 2. 3. 4. 5.
F3	2'X4' RECESSED FLUORESCENT STATIC TROFFER FOR RECESSING IN A SUSPENDED ACOUSTIC CEILING GRID WITH AI2 PATTERN, .125" NOMINAL THICKNESS VIRGIN ACRYLIC LENS, BAKED-ON WHITE POWDER COATING, TWO (2) F32T8 TRI-PHOSPHOR LAMPS, ONE (1) ADVANCE CENTIUM OR MOTOROLA CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLAST AND U.L. LISTING.	I. DAY-BRITE CAT. NO. 2 DP G 2 32-FS I2 277-I/2-EB-F32T8 2. HOLOPHANE 3. H.E.WILLIAMS 4. LITHONIA CAT. NO. 2SP8 G 2 32 AI2I25 277 GEBIORS 5. METALUX 6. COLUMBIA	M7	100 WATT METAL HALIDE, WALL MOUNTED, UNIDIRECTIONAL, SPOTLIGHT FIXTURE FOR LIGHTING FLAG WITH ONE PIECE DIE CAST ALUMINUM HOUSING, BAKED-ON DARK BRONZE POWDER COATING, GASKETED, CLEAR, DUAL TEMPERED GLASS LENS, ONE (I) 100 WATT METAL HALIDE LAMP, AUTO-REGULATOR, CONSTANT WATTAGE, 277V BALLAST AND U.L. LISTED FOR WET LOCATIONS.	1. GARDCO CAT. NO. 300 E K CL 100MH 277 BRP 2. GENERAL ELECTRIC 3. HALOPHANE 4. LITHONIA 5. LUMARK
F4	SAME AS TYPE F3 WITH THE ADDITION OF ONE (I) BODINE B50ST FLUORESCENT EMERGENCY BALLAST.	I. DAY-BRITE CAT. NO. 2 DP G 2 32-FS I2 277-I/2-EB-F32T8-B50ST 2. HOLOPHANE 3. H.E.WILLIAMS 4. LITHONIA CAT. NO. 2SP8 G 32 AI2I25 277 GEBIORS B50ST 5. METALUX 6. COLUMBIA			
F5	2'X4' RECESSED FLUORESCENT WET LOCATION TROFFER FOR RECESSING IN A SUSPENDED ACOUSTIC CEILING GRID WITH AI2 PATTERN, .I25" NOMINAL THICKNESS VIRGIN ACRYLIC LENS IN FLAT ALUMINUM DOOR FRAME, BAKED-ON WHITE POWDER COATING, FOUR (4) F32T8 TRI-PHOSPHOR LAMPS, TWO (2) ADVANCE CENTIUM OR MOTOROLA CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLASTS AND U.L. WET LOCATION LISTING.	I. DAY-BRITE CAT. NO. 2 DWL G 4 32-FA 12 277-2/2-EB-F32T8 2. HOLOPHANE 3. H.E.WILLIAMS 4. LITHONIA CAT. NO. 2WRT G 4 32 AI2I25 277 GEBIORS WL 5. METALUX 6. COLUMBIA	SE1	2'X4' RECESSED FLUORESCENT GRID TROFFER IN A SUSPENDED ACOUSTIC CEILING WITH .250" THICK CLEAR POLYCARBONATE AND .125" PRISMATIC ACRYLIC OVERLAY LENS, BAKED-ON WHITE POWDER COATING, FOUR (4) F32T8 TRI-PHOSPHOR LAMPS, TWO (2) ADVANCE CENTIUM OR MOTOROLA CLASS P, HPF, CBM CERTIFIED, 27TV ELECTRONIC BALLASTS AND U.L LISTING. SECURE LENS FRAME TO HOUSING WITH SIX (6) TAMPERPROOF CENTER PIN TORX SCREWS.	1. COLUMBIA 2. DAY-BRITE 3. H.E.WILLIAMS 4. LITHONIA CAT. NO. 2VTR G 4 32 VL 277 GEBIORS 5. METALUX 6. MORLITE
F6	2'X4' RECESSED FLUORESCENT WET LOCATION TROFFER FOR RECESSING IN A SUSPENDED ACOUSTIC CEILING GRID WITH AI2 PATTERN, .I25" NOMINAL THICKNESS VIRGIN ACRYLIC LENS IN FLAT ALUMINUM DOOR FRAME, BAKED-ON WHITE POWDER COATING, TWO (2) F32T8 TRI-PHOSPHOR LAMPS, ONE (1) ADVANCE CENTIUM OR MOTOROLA CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLAST AND U.L. WET LOCATION LISTING.	I. DAY-BRITE CAT. NO. 2 DWL G 2 32-FA 12 277-1/2-EB-F32T8 2. HOLOPHANE 3. H.E.WILLIAMS 4. LITHONIA CAT. NO. 2WRT G 2 32 AI2I25 277 GEBIORS WL 5. METALUX 6. COLUMBIA	SE2	2'X4' RECESSED FLUORESCENT GRID TROFFER IN A SUSPENDED ACOUSTIC CEILING WITH .250" THICK CLEAR POLYCARBONATE AND .125" PRISMATIC ACRYLIC OVERLAY LENS, BAKED-ON WHITE POWDER COATING, TWO (2) F32T8 TRI-PHOSPHOR LAMPS, ONE (I) ADVANCE CENTIUM OR MOTOROLA CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLAST AND U.L LISTING. SECURE LENS FRAME TO HOUSING WITH SIX (6) TAMPERPROOF CENTER PIN TORX SCREWS.	1. COLUMBIA 2. DAY-BRITE 3. H.E.WILLIAMS 4. LITHONIA CAT. NO. 2VTR G 2 32 VL 277 GEBIORS 5. METALUX 6. MORLITE
F7	6"X4" SURFACE MOUNTED, VAPORLUME FLUORESCENT FIXTURE WITH MOLDED FIBERGLASS REINFORCED POLYESTER BODY, HIGH IMPACT ACRYLIC MOLDED LENS, STAINLESS STEEL LATCHES, TWO (2) F32T8 TRI-PHOSPHOR LAMPS, ONE (1) ADVANCE CENTIUM OR MOTOROLA CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLAST AND U.L. WET LOCATION LISTING.	I. DAY-BRITE CAT. NO. V2 W A T 2 32 277-1/2-EB-F32T8 2. HOLOPHANE 3. H.E.WILLIAMS 4. LITHONIA CAT NO. DMW 2 32 AR 277 GEBIORS 5. METALUX 6. COLUMBIA	SE3	SAME AS TYPE SE2 WITH THE ADDITION OF ONE (1) BODINE B50ST FLUORESCENT EMERGENCY BALLAST.	1. COLUMBIA 2. DAY-BRITE 3. H.E.WILLIAMS 4. LITHONIA CAT. NO. 2VTR G 2 32 VL 277 GEBIORS ELI4DW 5. METALUX 6. MORLITE
F8	4' WALL MOUNTED 6" ROUND DIRECT/INDIRECT FLUORESCENT FIXTURE WITH EXTRUDED ALUMINUM HOUSING, CLEAR PRISMATIC ACRYLIC LENSES, COLOR TO BE SELECTED BY ARCHITECT, TWO (2) F32T8 TRI-PHOSPHOR LAMPS, ONE (I) ADVANCE CENTIUM OR MOTOROLA CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLAST AND U.L. LISTING.	1. LINEAR CAT. NO. R62-B-1/I-ET8-277-RA/RA-WMT-COLOR-NO-4 ^I 2. PEERLESS 3. NEO-RAY 4. COLUMBIA/ALERA 5. 6.	SE4	2'X4' SURFACE MOUNTED, MAXIMUM SECURITY, 14 GA. PRIME COLD ROLLED STEEL FLUORESCENT LIGHT FIXTURE WITH .375" THICK CLEAR POLYCARBONATE AND .125" PRISMATIC ACRYLIC OVERLAY LENS, BAKED-ON WHITE POWDER COATING, TORX HEAD WITH CENTER PIN FASTENERS, FOUR (4) F32T8 TRI-PHOSPHOR LAMPS, TWO (2) ADVANCE CENTIUM OR MOTOROLA CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLASTS AND U.L LISTING.	1. FAIL-SAFE 2. KENALL CAT. NO. SDD 4 0/0 4 32 SB 2 277 I/B I 3. MARK LIGHTING 4. MORLITE 5. NEW STAR 6.
F9	6"X4" WALL MOUNTED, FLUORESCENT FIXTURE WITH DOWN LIGHT ONLY, BAKED-ON WHITE POWDER COATING, CLEAR PRISMATIC ACRYLIC LENS, TWO (2) F32T8 TRI-PHOSPHOR LAMPS, ONE (I) ADVANCE OR MOTOROLA CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLAST AND U.L. LISTING.	I. DAY-BRITE CAT. NO. CD 2 32 W 277-1/2-EB-F32T8 2. HOLOPHANE 3. H.E.WILLIAMS 4. LITHONIA CAT. NO. WP 2 32 277 GEBIORS 5. METALUX 6. COLUMBIA	SE5	SAME AS TYPE SE4 WITH THE ADDITION OF ONE (1) BODINE B50ST FLUORESCENT EMERGENCY BALLAST.	1. FAIL-SAFE 2. KENALL CAT. NO. SDD 4 0/0 4 32 SB 2 277 I/B I B50ST 3. MARK LIGHTING 4. MORLITE 5. NEW STAR 6.
F10	8' LONG FLUORESCENT UPLIGHT AND DOWNLIGHT FIXTURE WITH SEMI-SPECULAR PARABOLIC LOUVER, FLAT END CAPS, 20 GAUGE DIE-FORMED STEEL BODY, BAKED-ON WHITE POLYESTER ENAMEL POWDER COATING, 100 PERCENT DOWNLIGHT FROM CENTER LAMP ONLY, AIRCRAFT CABLE MOUNTING, SIX (6) F32T8 TRI-PHOSPHOR LAMPS, THREE (3) LAMP CROSS SECTION, TWO (2) ADVANCE CENTIUM CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLASTS AND U.L. LISTED.	I. FINELITE CAT. NO. SIO-PLV-8'-3T8-DC-9IW-CCO-277-FAI50"-FE 2. PEERLESS 3. OR APPROVED EQUAL 4. 5. 6.	SE6	20"X4" SURFACE MOUNTED, MAXIMUM SECURITY, 14 GA. PRIME COLD ROLLED STEEL FLUORESCENT LIGHT FIXTURE WITH .375" THICK CLEAR POLYCARBONATE AND .125" PRISMATIC ACRYLIC OVERLAY LENS, BAKED-ON WHITE POWDER COATING, TORX HEAD WITH CENTER PIN FASTNERS, THREE (3) F32T8 TRI-PHOSPHOR LAMPS, ONE (1) ADVANCE CENTIUM OR MOTOROLA CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLAST AND U.L LISTING.	1. FAIL-SAFE 2. KENALL CAT. NO. SCH 4 0/0 3 32 SB 277 I/B 3. MARK LIGHTING 4. MORLITE 5. NEW STAR 6.
	I'X4' INDUSTRIAL FLUORESCENT FIXTURE WITH BAKED-ON WHITE POWDER COATING, SPRING LOADED TURRET SOCKETS, WIRE GUARD, 10 PERCENT UPLIGHT, TWO (2) F32T8 TRI-PHOSPHOR LAMPS, ONE (I) ADVANCE CENTIUM OR MOTOROLA CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLAST AND U.L. LISITING.	I. DAY-BRITE CAT. NO. IF232-PP-277-I/2-EB-F32T8 2. HOLOPHANE 3. H.E.WILLIAMS 4. LITHONIA AFIO 2 32 277 GEBIORS WGARPV 5. METALUX 6. COLUMBIA	SE7	SAME AS TYPE SE6 WITH THE ADDITION OF ONE (1) 9 WATT PL NIGHT LIGHT AND ELECTRONIC BALLAST.	1. FAIL-SAFE 2. KENALL CAT. NO. SCH 4 0/0 3 32 SB 277 I/B TN/9WATT 3. MARK LIGHTING 4. MORLITE 5. NEW STAR 6.
	4' UNDER CABINET FLUORESCENT FIXTURE WITH BAKED-ON WHITE POWDER COATING, SOLID FRONT, INJECTION MOLDED CLEAR VIRGIN ACRYLIC LENS, ONE (1) F32T8 TRI-PHOSPHOR LAMP, ONE (1) ADVANCE CENTIUM CLASS P, HPF, CBM CERTIFIED, 27TV ELECTRONIC BALLAST AND U.L. LISITING.	1. DAY-BRITE CAT. NO. 8 UC 1 32-S-277-1/1-EB-LPT735 2. HOLOPHANE 3. H.E.WILLIAMS 4. LITHONIA N2S 32 277 GEBIORS 5. METALUX	SE8	9"X9"X4' CORNER MOUNTED, MAXIMUM SECURITY, 14 GA. PRIME COLD ROLLED STEEL FLUORESCENT LIGHT FIXTURE WITH .375" THICK CLEAR POLYCARBONATE AND .125" PRISMATIC ACRYLIC OVERLAY LENS, BAKED-ON WHITE POWDER COATING, TORX HEAD WITH CENTER PIN FASTNERS, TWO (2) F32T8 TRI-PHOSPHOR LAMPS, ONE (1) ADVANCE CENTIUM OR MOTOROLA CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLAST AND U.L LISTING.	1. FAIL-SAFE 2. KENALL CAT. NO. CC 4 0/0 2 32 SB 1 277 1/B 1 3. MARK LIGHTING 4. MORLITE 5. NEW STAR 6.
	I3 WATT ROUND, RECESSED, FLUORESCENT SHOWER LIGHT FIXTURE WITH WHITE SPLAY, OPAL LEXAN DROP LENS, ONE (I) CFQI3W/G24Q TRI-PHOSPHER, QUAD TUBE, COMPACT FLUORESCENT LAMP, ONE (I) ADVANCE, ROBERTSON OR UNIVERSAL, CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLAST AND U.L. LISTING FOR WET LOCATIONS.	I. LITHONIA CAT NO. LP6F I3DTT 277 GEBI0/6LDI 2. CAPRI LIGHTING 3. HALO 4. PRESCOLITE CAT. NO. CBX 277V HPF TL30 5. LIGHTOLIER	SE9	SAME AS TYPE SE7 WITH THE ADDITION OF ONE (1) 9 WATT PL NIGHT LIGHT AND ELECTRONIC BALLAST.	1. FAIL-SAFE 2. KENALL CAT. NO. CC 4 0/0 3 32 SB 1 277 I/B I TN/9WATT 3. MARK LIGHTING 4. MORLITE 5. NEW STAR 6.
F14	18 WATT WALL MOUNTED FLUORESCENT VAPOR-PROOF LIGHT FIXTURE WITH NON-METALLIC VAPORTITE HOUSING AND GUARD, TEMPERED GLASS GLOBE, ONE (1) CFQ18W/G24q TRI-PHOSPHER, QUAD TUBE, COMPACT FLUORESCENT LAMP, ONE (1) ADVANCE, ROBERTSON OR UNIVERSAL, CLASS P, HPF, CBM CERTIFIED, 120V ELECTRONIC BALLAST AND U.L. LISTING FOR WET LOCATIONS.	I. HUBBELL CAT. NO. NVQBI8GGNVB 2. PHOENIX PRODUCTS CO. CAT. NO. VPOO25IIO 120 VOLTS 3. CEW/SPARTAN 4. 5. 6.	SE10	I'XI' SURFACE MOUNTED, MAXIMUM SECURITY, I4 GA. PRIME COLD ROLLED STEEL FLUORESCENT LIGHT FIXTURE WITH .375" THICK CLEAR POLYCARBONATE AND .125" PRISMATIC ACRYLIC OVERLAY LENS, BAKED-ON WHITE POWDER COATING, TORX HEAD WITH CENTER PIN FASTNERS, THREE (3) I3 WATT TWIN TUBE PL TRI-PHOSPHOR LAMPS, ONE (I) ADVANCE CENTIUM OR MOTOROLA CLASS P, HPF, CBM CERTIFIED, 277V ELECTRONIC BALLAST, AND U.L WET LOCATION LISTING.	1. FAIL-SAFE 2. KENALL CAT. NO. SQD A 0/0 3 13E SB 1 277 1/B 1 3. MARK LIGHTING 4. MORLITE 5. NEW STAR 6.
			SE11	400 WATT RECESSED, METAL HALIDE FIXTURE WITH DIE-FORMED 16 GA. COLD ROLLED STEEL HOUSING, SPECULAR ALUMINUM REFLECTOR, .156" PRISMATIC TEMPERED GLASS LENS ON FIXTURE SIDE, .250" CLEAR POLYCARBONATE LENS ON ENVIROMENTAL SIDE, ONE (1) 400W METAL HALIDE LAMP, AUTO-REGULATOR, CONSTANT WATTAGE, 277V BALLAST, TIME DELAY QUARTZ STANDBY WITH 100W CLEAR QUARTZ LAMP AND U.L. LISTED FOR DAMP LOCATIONS.	1. FAIL-SAFE 2. KENALL CAT. NO. RQC D 1/1 1 400M NA 1 277 R/9 1 QRC 3. MARK LIGHTING 4. MORLITE 5. NEW STAR 6.
I1	6" OPEN REFLECTOR, RECESSED, INCANDESCENT DOWNLIGHT WITH CLEAR SPECULAR ALZAK REFLECTOR, WHITE TRIM RING, ONE (I) 100 WATT A-19 LAMP AND U.L. LISTING.	I. LITHONIA CAT. NO. LP6 608AZ 2. CAPRI LIGHTING 3. HALO 4. PRESCOLITE 5. LIGHTOLIER 6. INFINITY	SE12	SAME AS TYPE SE7 WITH THE ADDITIONAL REQUIREMENT OF BEING FURNISHED AND INSTALLED BY THE CELL MANUFACTURER. DIVISION 16 CONTRACTOR SHALL MAKE ALL PERMANENT CONNECTIONS FROM THE TERMINATION POINT AT THE CELL CHASE. DIVISION 16 CONTRACTOR SHALL FURNISH AND INSTALL ALL LAMPS IN TYPE SEI2 LIGHT FIXTURE. SEE SPECIFICATION SECTION 11198M 2.8 ELECTRICAL.	1. FAIL-SAFE 2. KENALL CAT. NO. SCH 4 0/0 3 32 SB 277 I/B TN/9WATT 3. MARK LIGHTING 4. MORLITE 5. NEW STAR 6.

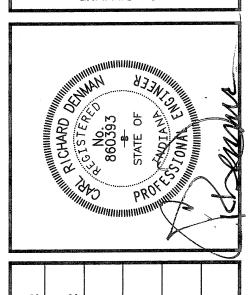
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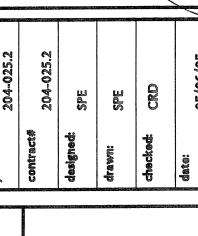




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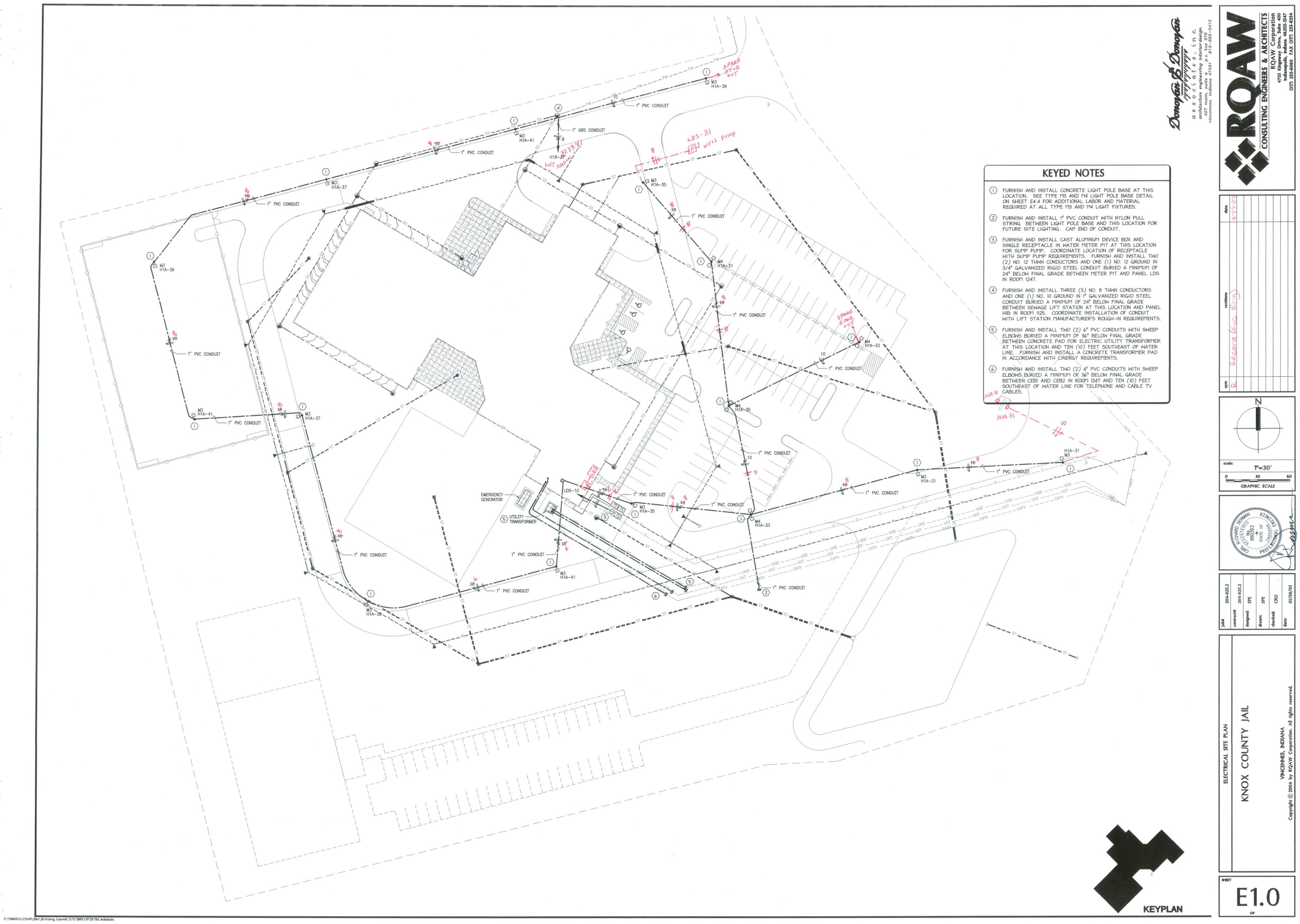


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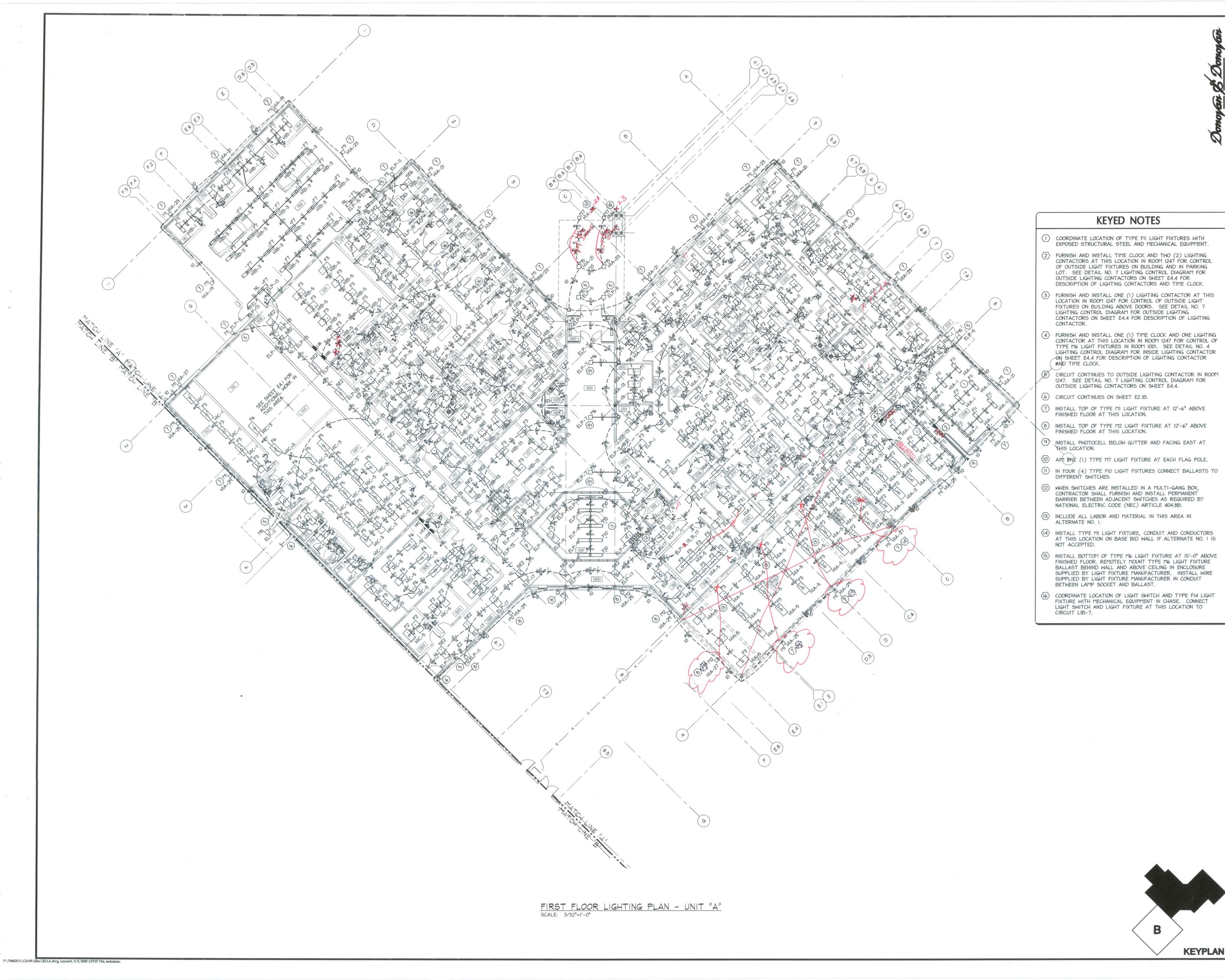
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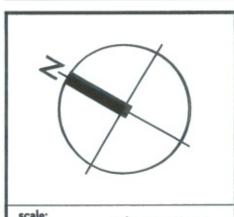












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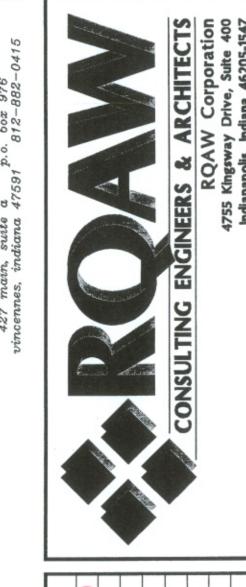
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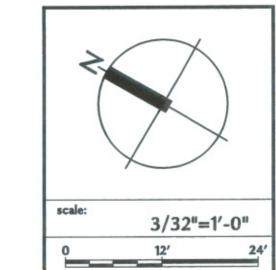
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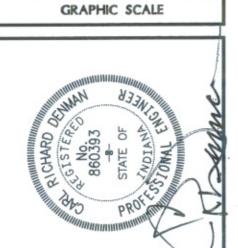
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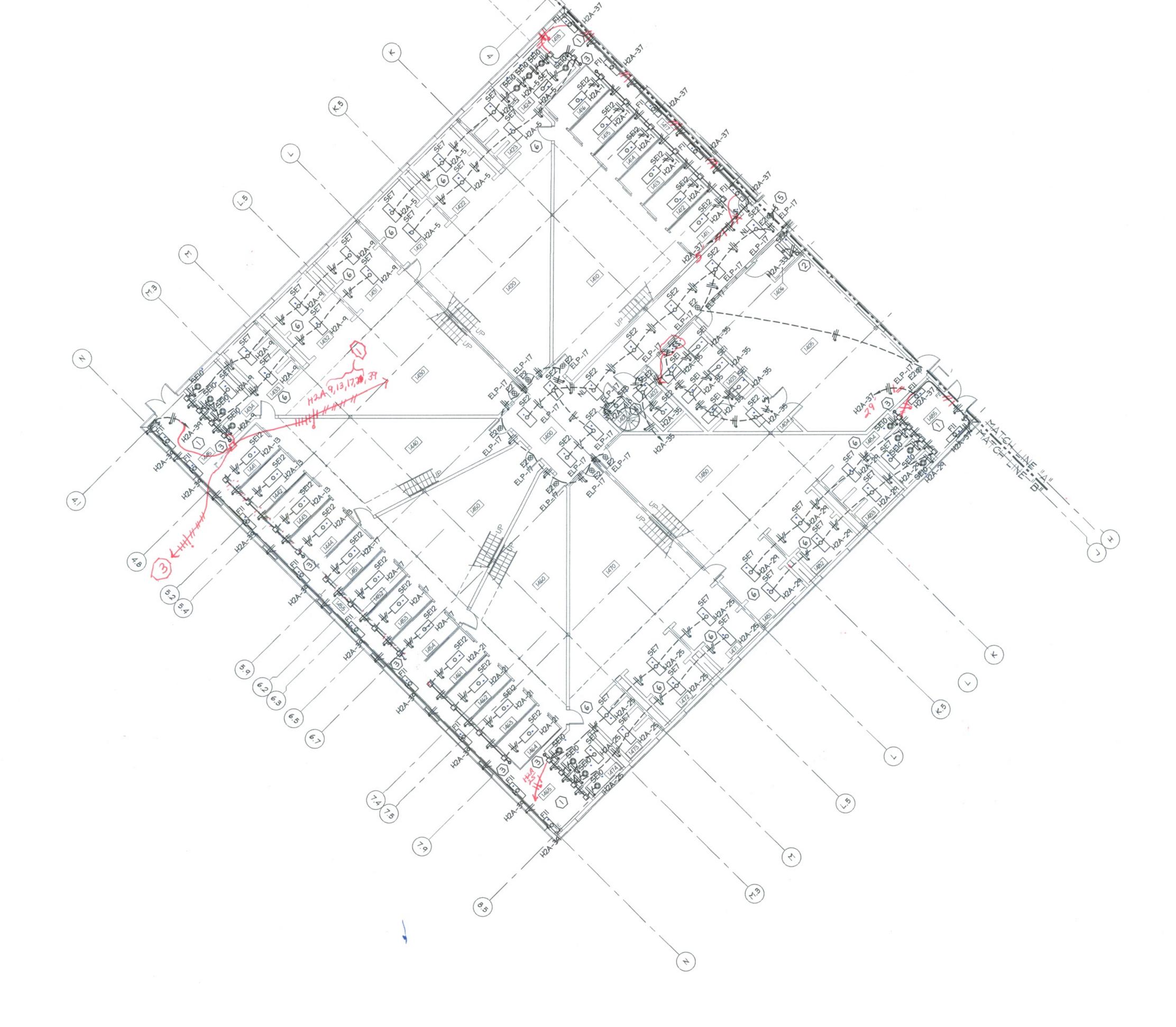


KEYED NOTES COORDINATE LOCATION OF TYPE FII LIGHT FIXTURES WITH EXPOSED STRUCTURAL STEEL AND MECHANICAL EQUIPMENT. INSTALL TYPE FII LIGHT FIXTURE ON WALL AT 8'-0" ABOVE FINISHED FLOOR. CONDUIT AND CONDUCTORS CONTINUE UP INSIDE PIPE CHASE TO LIGHT FIXTURE IN RECREATION ROOM 1405 CEILING. (3) CONDUIT AND CONDUCTORS CONTINUE UP TO JUNCTION BOX ON SECOND FLOOR. CONDUIT AND CONDUCTORS CONTINUE UP TO THREE WAY LIGHT SWITCH IN ROOM 2400. (5) CIRCUIT CONTINUES ON SHEET E2.IA. (6) INSTALL 3/4" SEALTITE FLEXIBLE STEEL CONDUIT INSIDE HALLOW TUBE OF PRECAST CONCRETE FLOOR BETWEEN LIGHT FIXTURES AND BETWEEN LIGHT FIXTURES AND JUNCTION BOXES IN PIPE CHASES.



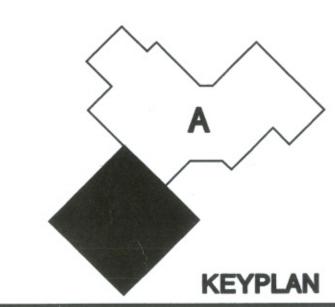


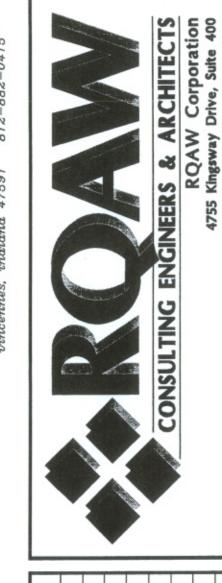
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FIRST FLOOR LIGHTING PLAN - UNIT "B" SCALE: 3/32"=1'-0"

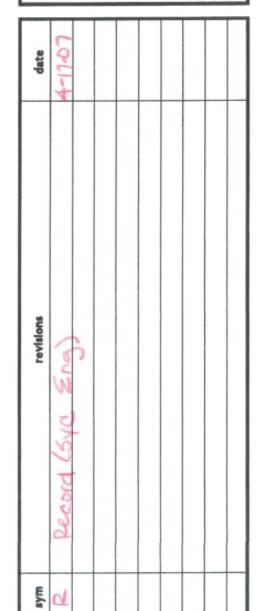
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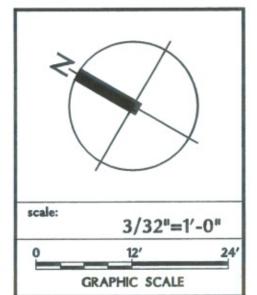




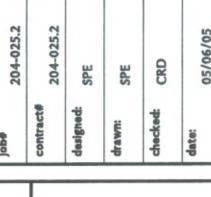
KEYED NOTES

- LIGHTING CIRCUITS ARE SWITCHED BY SECURITY AUTOMATION SYSTEM RELAY PANEL (SASRP) IN ROOM 2402. FURNISH AND INSTALL PHASE CONDUCTORS BETWEEN CIRCUIT BREAKERS IN PANEL H2A AND RELAYS IN SASRP AND BETWEEN RELAYS IN SASRP AND LIGHT FIXTURES. CONNECT UNSWITCHED PHASE CONDUCTOR TO FLUORESCENT EMERGENCY BALLAST.
- (2) CONDUIT AND CONDUCTORS CONTINUE DOWN INSIDE PIPE CHASE TO LIGHT FIXTURE IN TOILET ROOM 1406 BELOW.
- (3) CONDUIT AND CONDUCTORS CONTINUE DOWN TO LIGHT FIXTURES ON FIRST FLOOR.
- (4) INSTALL TOP OF TYPE M2 LIGHT FIXTURE AT 20'-0" ABOVE FINISHED FLOOR.
- 5 CIRCUIT CONTINUES ON SHEET E2.IA.
- INSTALL ONE (1) 1000 WATT HEAVY USE, SINGLE POLE,
 ROTARY DIMMER AT THIS LOCATION FOR TYPE II
 INCANDESCANT LIGHT FIXTURES IN ROOM 2400. DIMMER SHALL
 BE PASS & SEYMOUR CATALOG NO. 91101-1 OR APPROVED









SECOND FLOOR LIGHTING PLAN - UNIT "B"

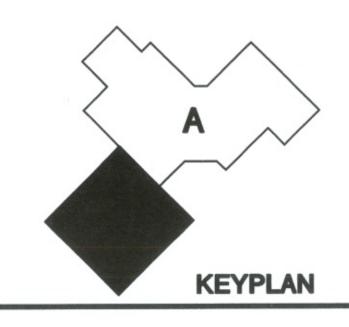
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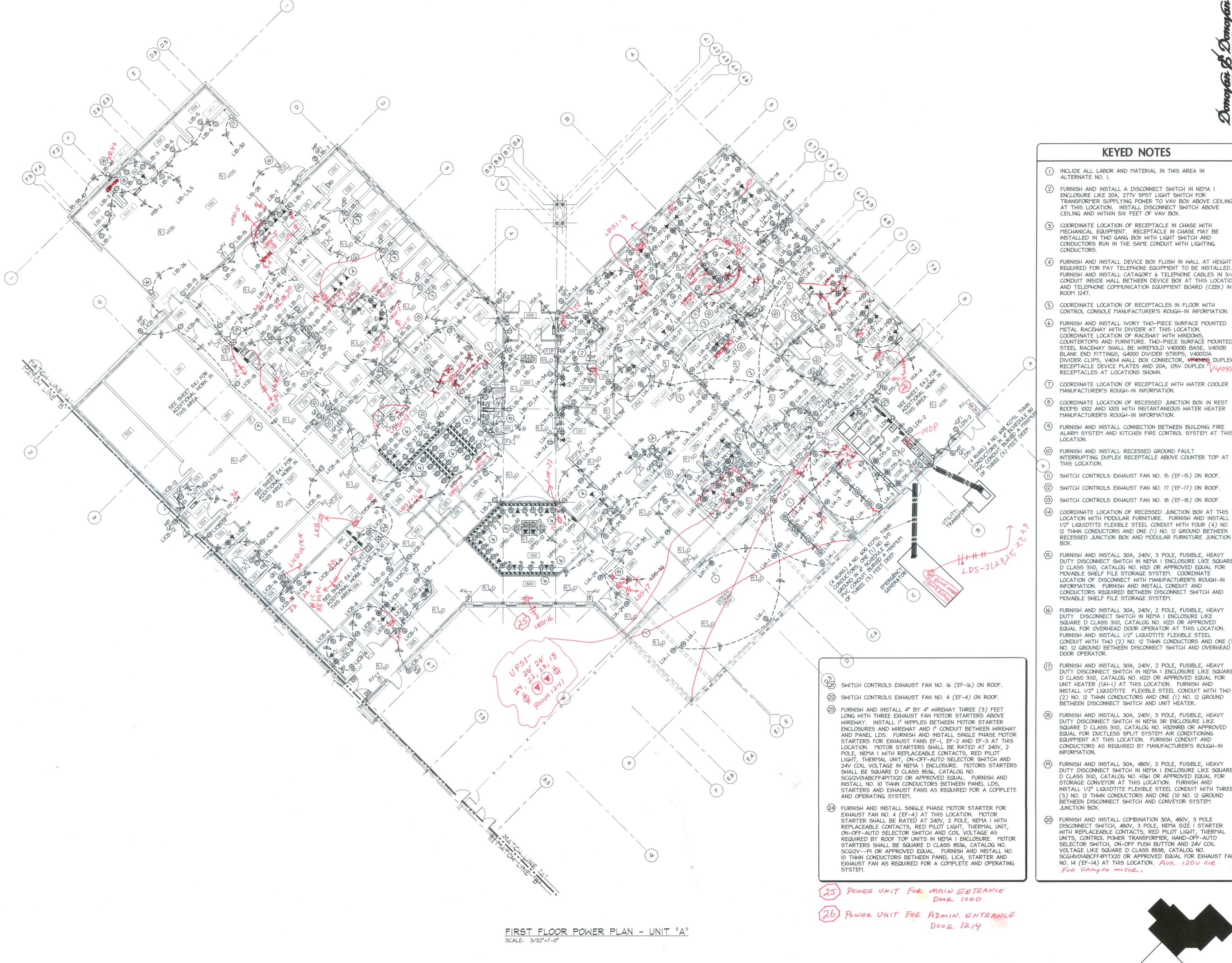
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SECOND FLOOR LIGHTING PLAN - UNIT "B"
SCALE: 3/32"=1'-0"

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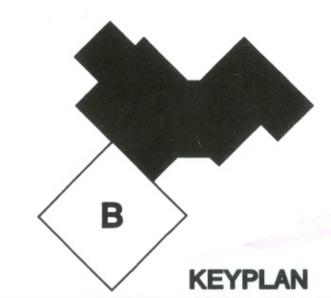




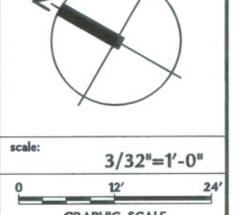
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- 1) INCLIDE ALL LABOR AND MATERIAL IN THIS AREA IN ALTERNATE NO. 1.
- (2) FURNISH AND INSTALL A DISCONNECT SWITCH IN NEMA I ENCLOSURE LIKE 20A, 277V SPST LIGHT SWITCH FOR TRANSFORMER SUPPLYING POWER TO VAV BOX ABOVE CEILING AT THIS LOCATION. INSTALL DISCONNECT SWITCH ABOVE CEILING AND WITHIN SIX FEET OF VAV BOX.
- (3) COORDINATE LOCATION OF RECEPTACLE IN CHASE WITH MECHANICAL EQUIPMENT. RECEPTACLE IN CHASE MAY BE INSTALLED IN TWO GANG BOX WITH LIGHT SWITCH AND CONDUCTORS RUN IN THE SAME CONDUIT WITH LIGHTING CONDUCTORS.
- (4) FURNISH AND INSTALL DEVICE BOX FLUSH IN WALL AT HEIGHT REQUIRED FOR PAY TELEPHONE EQUIPMENT TO BE INSTALLED. FURNISH AND INSTALL CATAGORY 6 TELEPHONE CABLES IN 3/4" CONDUIT INSIDE WALL BETWEEN DEVICE BOX AT THIS LOCATION AND TELEPHONE COMMUNICATION EQUIPMENT BOARD (CEBI) IN ROOM 1247.
- (5) COORDINATE LOCATION OF RECEPTACLES IN FLOOR WITH CONTROL CONSOLE MANUFACTURER'S ROUGH-IN INFORMATION.
- 6 FURNISH AND INSTALL IVORY TWO-PIECE SURFACE MOUNTED METAL RACEWAY WITH DIVIDER AT THIS LOCATION. COORDINATE LOCATION OF RACEWAY WITH WINDOWS, COUNTERTOPS AND FURNITURE. TWO-PIECE SURFACE MOUNTED STEEL RACEWAY SHALL BE WIREMOLD V4000B BASE, V4010B BLANK END FITTINGS, G4000 DIVIDER STRIPS, V400IDA DIVIDER CLIPS, V4014 WALL BOX CONNECTOR, VF4046B DUPLEX RECEPTACLE DEVICE PLATES AND 20A, 125V DUPLEX RECEPTACLES AT LOCATIONS SHOWN.
- MANUFACTURER'S ROUGH-IN INFORMATION.
- (8) COORDINATE LOCATION OF RECESSED JUNCTION BOX IN REST ROOMS 1002 AND 1003 WITH INSTANTANEOUS WATER HEATER MANUFACTURER'S ROUGH-IN INFORMATION.
- FURNISH AND INSTALL CONNECTION BETWEEN BUILDING FIRE ALARM SYSTEM AND KITCHEN FIRE CONTROL SYSTEM AT THIS
- 10 FURNISH AND INSTALL RECESSED GROUND FAULT INTERRUPTING DUPLEX RECEPTACLE ABOVE COUNTER TOP AT
- (II) SWITCH CONTROLS EXHAUST FAN NO. 15 (EF-15) ON ROOF.
- (12) SWITCH CONTROLS EXHAUST FAN NO. 17 (EF-17) ON ROOF.
- (13) SWITCH CONTROLS EXHAUST FAN NO. 18 (EF-18) ON ROOF.
- (14) COORDINATE LOCATION OF RECESSED JUNCTION BOX AT THIS LOCATION WITH MODULAR FURNITURE. FURNISH AND INSTALL 1/2" LIQUIDTITE FLEXIBLE STEEL CONDUIT WITH FOUR (4) NO. 12 THWN CONDUCTORS AND ONE (1) NO. 12 GROUND BETWEEN RECESSED JUNCTION BOX AND MODULAR FURNITURE JUNCTION
- (15) FURNISH AND INSTALL 30A, 240V, 3 POLE, FUSIBLE, HEAVY DUTY DISCONNECT SWITCH IN NEMA I ENCLOSURE LIKE SQUARE D CLASS 3110, CATALOG NO. H321 OR APPROVED EQUAL FOR MOVABLE SHELF FILE STORAGE SYSTEM. COORDINATE LOCATION OF DISCONNECT WITH MANUFACTURER'S ROUGH-IN INFORMATION. FURNISH AND INSTALL CONDUIT AND CONDUCTORS REQUIRED BETWEEN DISCONNECT SWITCH AND MOVABLE SHELF FILE STORAGE SYSTEM.
- (6) FURNISH AND INSTALL 30A, 240V, 2 POLE, FUSIBLE, HEAVY DUTY DISCONNECT SWITCH IN NEMA I ENCLOSURE LIKE SQUARE D CLASS 3110, CATALOG NO. H221 OR APPROVED EQUAL FOR OVERHEAD DOOR OPERATOR AT THIS LOCATION. FURNISH AND INSTALL 1/2" LIQUIDTITE FLEXIBLE STEEL CONDUIT WITH TWO (2) NO. 12 THWN CONDUCTORS AND ONE (1) NO. 12 GROUND BETWEEN DISCONNECT SWITCH AND OVERHEAD DOOR OPERATOR.
- FURNISH AND INSTALL 30A, 240V, 2 POLE, FUSIBLE, HEAVY DUTY DISCONNECT SWITCH IN NEMA I ENCLOSURE LIKE SQUARE D CLASS 3110, CATALOG NO. H221 OR APPROVED EQUAL FOR UNIT HEATER (UH-I) AT THIS LOCATION. FURNISH AND INSTALL 1/2" LIQUIDTITE FLEXIBLE STEEL CONDUIT WITH TWO (2) NO. 12 THWN CONDUCTORS AND ONE (1) NO. 12 GROUND BETWEEN DISCONNECT SWITCH AND UNIT HEATER.
- (18) FURNISH AND INSTALL 30A, 240V, 3 POLE, FUSIBLE, HEAVY DUTY DISCONNECT SWITCH IN NEMA 3R ENCLOSURE LIKE SQUARE D CLASS 3110, CATALOG NO. H321NRB OR APPROVED EQUAL FOR DUCTLESS SPLIT SYSTEM AIR CONDITIONING EQUIPMENT AT THIS LOCATION. FURNISH CONDUIT AND CONDUCTORS AS REQUIRED BY MANUFACTURER'S ROUGH-IN INFORMATION.
- (19) FURNISH AND INSTALL 30A, 480V, 3 POLE, FUSIBLE, HEAVY DUTY DISCONNECT SWITCH IN NEMA I ENCLOSURE LIKE SQUARE D CLASS 3110, CATALOG NO. H361 OR APPROVED EQUAL FOR STORAGE CONVEYOR AT THIS LOCATION. FURNISH AND INSTALL 1/2" LIQUIDTITE FLEXIBLE STEEL CONDUIT WITH THREE (3) NO. 12 THWN CONDUCTORS AND ONE (10 NO. 12 GROUND BETWEEN DISCONNECT SWITCH AND CONVEYOR SYSTEM JUNCTION BOX.
- FURNISH AND INSTALL COMBINATION 30A, 480V, 3 POLE DISCONNECT SWITCH, 480V, 3 POLE, NEMA SIZE I STARTER WITH REPLACEABLE CONTACTS, RED PILOT LIGHT, THERMAL UNITS, CONTROL POWER TRANSFORMER, HAND-OFF-AUTO SELECTOR SWITCH, ON-OFF PUSH BUTTON AND 24V COIL VOLTAGE LIKE SQUARE D CLASS 8538, CATALOG NO. SCGIAVOIABCFF4PITX20 OR APPROVED EQUAL FOR EXHAUST FAN NO. 14 (EF-14) AT THIS LOCATION. AUX. 120V CIR FOR DAMPER MOTOR.

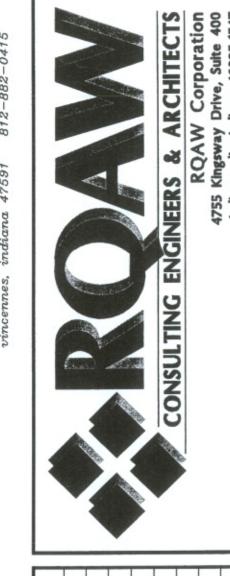










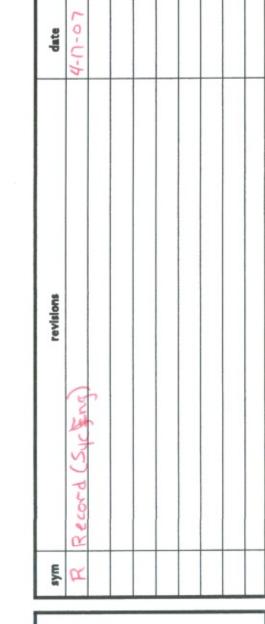


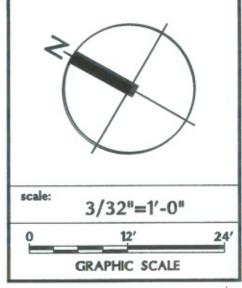
KEYED NOTES

- FIELD VERIFY LOCATION OF AUTOMATIC CONTROL VALVE FOR CONTROL OF INMATE HOUSING DOMESTIC WATER.
- FIELD VERIFY LOCATIONS OF SPRINKLER SYSTEM VALVES AND FLOW SWITCHES FOR FIRE ALARM MONITORING DEVICES.
- 3 SWITCHED CONDUCTORS GO THROUGH SECURITY AUTOMATION INDICATE NUMBER OF RELAYS CIRCUIT IS WIRED THROUGH.
- 4 COORDINATE LOCATION OF RECEPTACLE IN CHASE WITH MECHANICAL EQUIPMENT.
- 5 FURNISH AND INSTALL DUPLEX RECEPTACLE AND DEVICE BOX FLUSH IN WALL AT HEIGHT REQUIRED FOR TELEVISION EQUIPMENT TO BE INSTALLED. FURNISH AND INSTALL 3/4" CONDUIT INSIDE WALL BETWEEN DEVICE BOXES AT THIS LOCATION AND COMMUNICATION EQUIPMENT BOARD (CEB4) IN ROOM 2402. TELEVISION RECEPTACLES ARE SWITCHED BY SECURITY AUTOMATION SYSTEM RELAY PANEL (SASRP) IN ROOM 2402. INSTALL SWITCHED PHASE CONDUCTORS BETWEEN RELAYS IN SASRP AND TELEVISION RECEPTACLE.
- 6 FURNISH AND INSTALL DEVICE BOX FLUSH IN WALL AT HEIGHT REQUIRED FOR PAY TELEPHONE EQUIPMENT TO BE INSTALLED. FURNISH AND INSTALL IN ONE (1) I" CONDUIT INSIDE WALL BETWEEN EACH DEVICE BOX AT THIS LOCATION AND COMMUNICATION EQUIPMENT BOARD (CEB3) IN ROOM 2402.
- FLUSH IN WALL AT HEIGHT REQUIRED FOR VEDIO VISITATION EQUIPMENT AT THIS LOCATION. FURNISH AND INSTALL I" GALVANIZED RIGID STEEL CONDUIT INSIDE WALL BETWEEN ALL DEVICE BOXES AT THIS LOCATION AND BETWEEN ONE DEVICE BOX AND COMMUNICATION EQUIPMENT BOARD NO. 4 (CEB4) IN ROOM 2402.
- 8 FURNISH AND INSTALL DISCONNECT SWITCH AND FRACTIONAL HORSEPOWER MOTOR STARTER IN NEMA I ENCLOSURE LIKE FOR AUTOMATIC CONTROL VALVE AT THIS LOCATION. ROOM 2402. FURNISH AND INSTALL PHASE CONDUCTOR BETWEEN CIRCUIT BREAKER IN PANEL L2A AND RELAY IN SASRP AND BETWEEN RELAY IN SASRP AND DISCONNECT (2) NO. 12 THWN CONDUCTORS AND ONE (1) NO. 12 GND BETWEEN DISCONNECT SWITCH AND CONTROL VALVE.
- 9 FURNISH AND INSTALL 30A, 240V, 2 POLE, FUSIBLE, HEAVY DUTY DISCONNECT SWITCH IN NEMA I ENCLOSURE LIKE SQUARE D CLASS 3110, CATALOG NO. H221 OR APPROVED EQUAL FOR WATER HEATER NO. 2 (WH-2) AND HOT WATER RETURN PUMP NO. 3 (HWRP-3) AT THIS LOCATION. FURNISH AND INSTALL 1/2" LIQUIDTITE FLEXIBLE STEEL CONDUIT WITH TWO (2) NO. 12 THWN CONDUCTORS, ONE (1) NO. 12 GROUND BETWEEN DISCONNECT SWITCH, WATER HEATER AND HOT WATER RETURN
- FURNISH AND INSTALL 30A, 240V, 2 POLE, FUSIBLE, HEAVY DUTY DISCONNECT SWITCH IN NEMA I ENCLOSURE LIKE SQUARE D CLASS 3110, CATALOG NO. H221 OR APPROVED EQUAL FOR WATER HEATER NO. 3 (WH-3) AND HOT WATER RETURN PUMP NO. 4 (HWRP-4) AT THIS LOCATION. FURNISH AND INSTALL 1/2" LIQUIDTITE FLEXIBLE STEEL CONDUIT WITH TWO (2) NO. 12 THWN CONDUCTORS, ONE (1) NO. 12 GROUND BETWEEN DISCONNECT SWITCH, WATER HEATER AND HOT WATER RETURN
- DUTY DISCONNECT SWITCH IN NEMA I ENCLOSURE LIKE SQUARE D CLASS 3110, CATALOG NO. H221 OR APPROVED EQUAL FOR WATER HEATER NO. 6 (WH-6) AT THIS LOCATION. FURNISH AND INSTALL 1/2" LIQUIDTITE FLEXIBLE STEEL CONDUIT WITH TWO (2) NO. 10 THWN CONDUCTORS AND ONE (1) NO. 10 GROUND BETWEEN DISCONNECT SWITCH AND WATER HEATER.



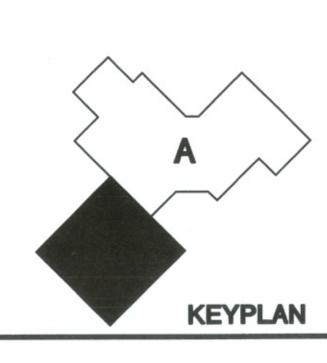
- SYSTEM RELAY PANEL (SASRP) IN ROOM 2402. SWITCH LEGS
- 7 FURNISH AND INSTALL DUPLEX RECEPTACLE AND DEVICE BOX
- SQUARE D CLASS 2510, CATALOG NO. FGI OR APPROVED EQUAL ELECTRICALLY OPERATED CONTROL VALVE IS CONTROLLED BY SECURITY AUTOMATION SYSTEM RELAY PANEL (SASRP) IN SWITCH AT CONTROL VALVE AT THIS LOCATION. FURNISH AND INSTALL 1/2" LIQUIDTITE FLEXIBLE STEEL CONDUIT WITH TWO
- FURNISH AND INSTALL 30A, 240V, 2 POLE, FUSIBLE, HEAVY







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FIRST FLOOR POWER PLAN - UNIT "B" SCALE: 3/32"=1'-0"

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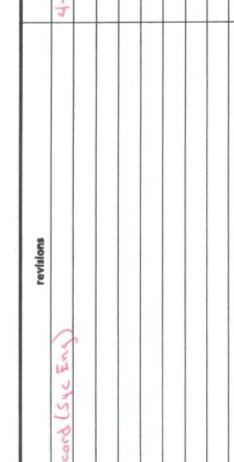
SECOND FLOOR POWER PLAN - UNIT "B" SCALE: 3/32"=1'-0"

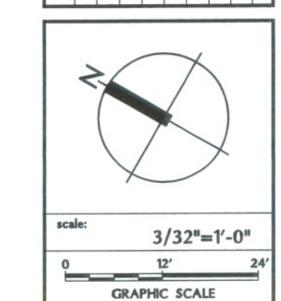
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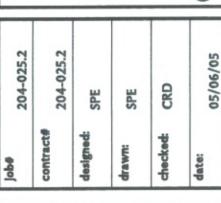
- FURNISH AND INSTALL THREE (3) 2" EMT CONDUITS WITH NYLON PULL STRING FOR TELEPHONE CONDUCTORS BETWEEN BOTTOM OF COMMUNICATION EQUIPMENT BOARD NO. 3 (CEB3) AT THIS LOCATION AND CABLE TRAY ABOVE CEILING IN CORRIDOR 1400.
- FURNISH AND INSTALL THREE (3) 2" EMT CONDUITS WITH NYLON PULL STRING FOR CABLE TV CONDUCTORS BETWEEN BOTTOM OF COMMUNICATION EQUIPMENT BOARD NO. 4 (CEB4) AT THIS LOCATION AND CABLE TRAY ABOVE CEILING IN CORRIDOR 1400.
- FURNISH AND INSTALL TWO (2) 4' BY 8' BY 3/4" THICK SHEETS OF PAINTED PLYWOOD ON NORTHEAST WALL OF ROOM 2402 FOR TELEPHONE AND CABLE TELEVISION EQUIPMENT MOUNTING BOARDS. PAINT PLYWOOD WITH TWO (2) COATS OF FIRE RESISTANT WHITE ENAMEL.
- FURNISH AND INSTALL 4" BY 4" WIREWAY SIX (6) FEET LONG WITH FIVE EXHAUST FAN MOTOR STARTERS ABOVE WIREWAY. INSTALL I" NIPPLES BETWEEN MOTOR STARTER ENCLOSURES AND WIREWAY AND I" CONDUIT BETWEEN WIREWAY AND PANEL L2A. FURNISH AND INSTALL SINGLE PHASE MOTOR STARTERS FOR EXHAUST FANS EF-6, EF-7, EF-8, EF-10 AND EF-11 AT THIS LOCATION. MOTOR STARTERS SHALL BE RATED AT 240V, 2 POLE, NEMA I WITH REPLACEABLE CONTACTS, RED PILOT LIGHT, THERMAL UNIT, ON-OFF-AUTO SELECTOR SWITCH AND COIL VOLTAGE AS REQUIRED BY ROOF TOP UNITS IN NEMA I ENCLOSURE. MOTORS STARTERS SHALL BE SQUARE D CLASS 8536, CATALOG NO. SCGI2V--PI OR APPROVED EQUAL. FURNISH AND INSTALL NO. 10 THWN CONDUCTORS BETWEEN PANEL L2A, STARTERS AND EXHAUST FANS AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.
- FURNISH AND INSTALL COMBINATION 30A, 480V, 3 POLE DISCONNECT SWITCH 480V, 3 POLE, NEMA SIZE I STARTER WITH REPLACEABLE CONTACTS, RED PILOT LIGHT, THERMAL UNITS, CONTROL POWER TRANSFORMER, HAND-OFF-AUTO SELECTOR SWITCH, ON-OFF PUSH BUTTON AND 24V COIL VOLTAGE LIKE SQUARE D CLASS 8538, CATALOG NO. SCGI4V0IABCFF4PITX20 OR APPROVED EQUAL FOR EXHAUST FAN NO. 9 (EF-9) AT THIS LOCATION.
- FURNISH AND INSTALL TEN (10) 120V, 20A CIRCUITS BETWEEN SECURITY AUTOMATION EQUIPMENT RACKS AND UPS2 AND L2 A PANELBOARD. INSTALL CONDUIT AND CONDUCTORS AS REQUIRED BY SECURITY AUTOMATION SYSTEM. IF FIVE (5) OR MORE CIRCUITS ARE INSTALLED IN ONE CONDUIT INCREASE CONDUCTOR SIZE TO NO. 10 AWG THHN.
- 7 COORDINATE LOCATION OF RECEPTACLES WITH CONTROL CONSOLE MANUFACTURER'S ROUGH-IN INFORMATION.
- 8 FURNISH AND INSTALL RECESSED GROUND FAULT INTERRUPTING DUPLEX RECEPTACLE 6" ABOVE SINK AT THIS
- FURNISH AND INSTALL SMOKE DETECTORS ABOVE CEILING IN RETURN AIR OPENINGS. PROVIDE INTERFACE WITH TEMPERATURE CONTROL SYSTEM AND SMOKE EVACUATION SYSTEM







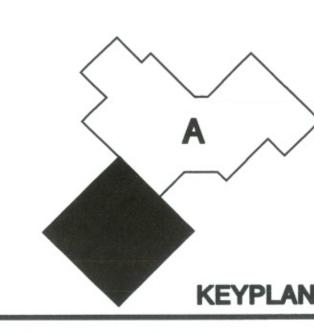




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SECOND FLOOR PO

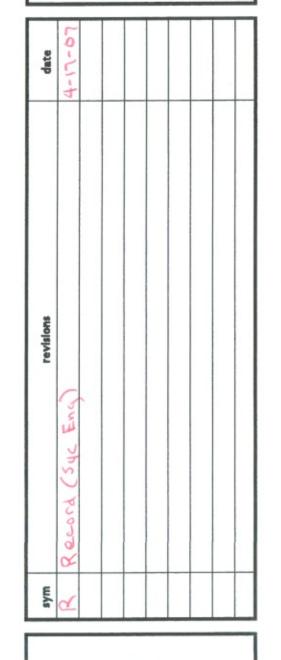
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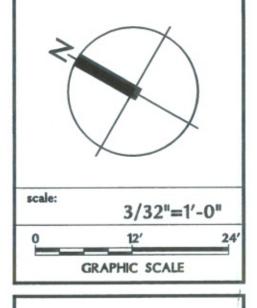




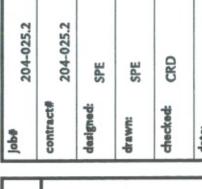
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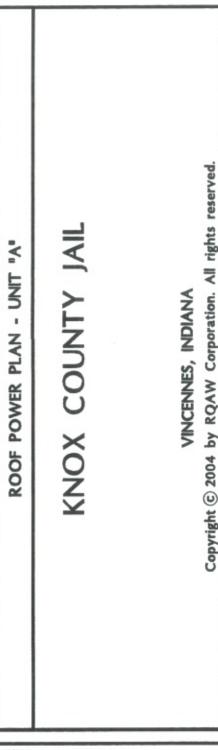






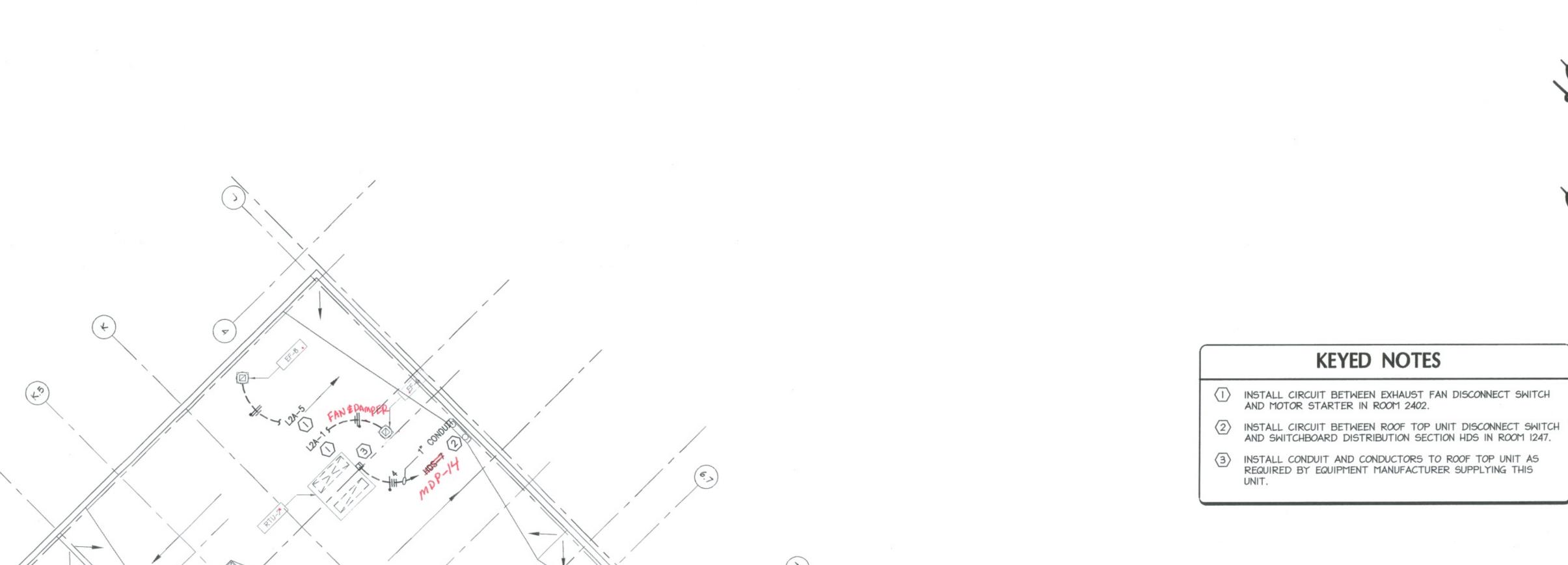






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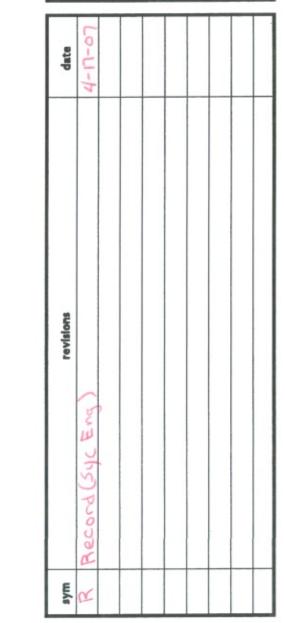
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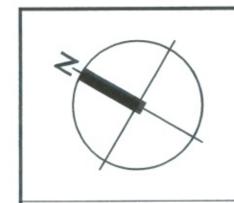


ROOF POWER PLAN - UNIT "B"

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- INSTALL CIRCUIT BETWEEN EXHAUST FAN DISCONNECT SWITCH AND MOTOR STARTER IN ROOM 2402.

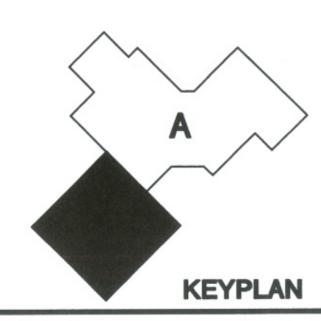


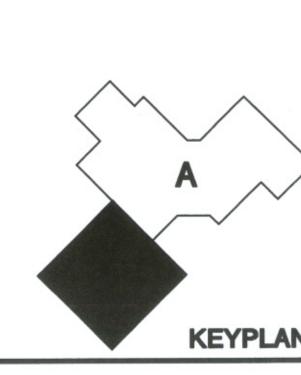


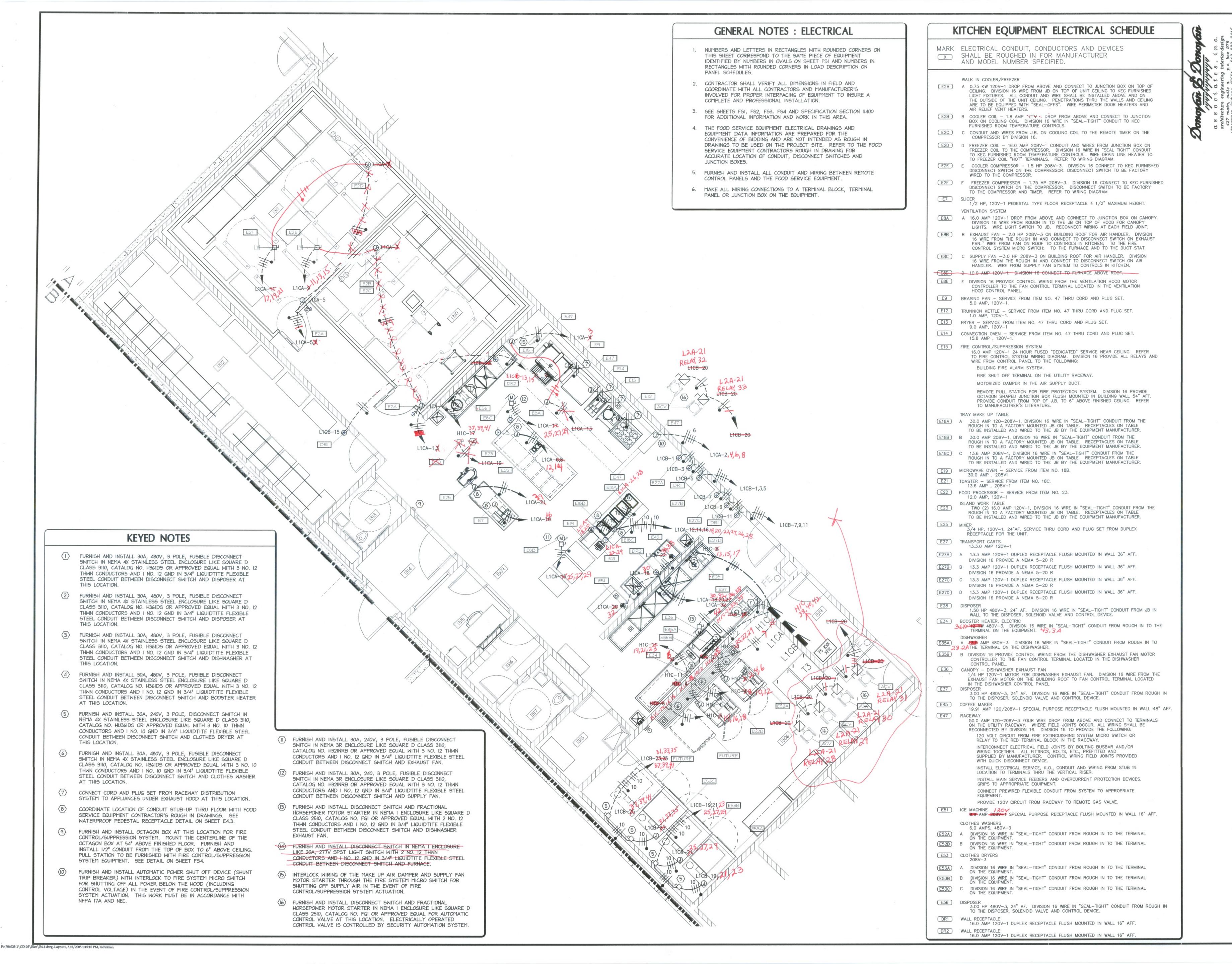
GRAPHIC SCALE



KEYPLAN

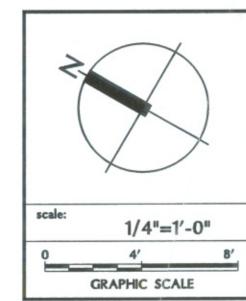






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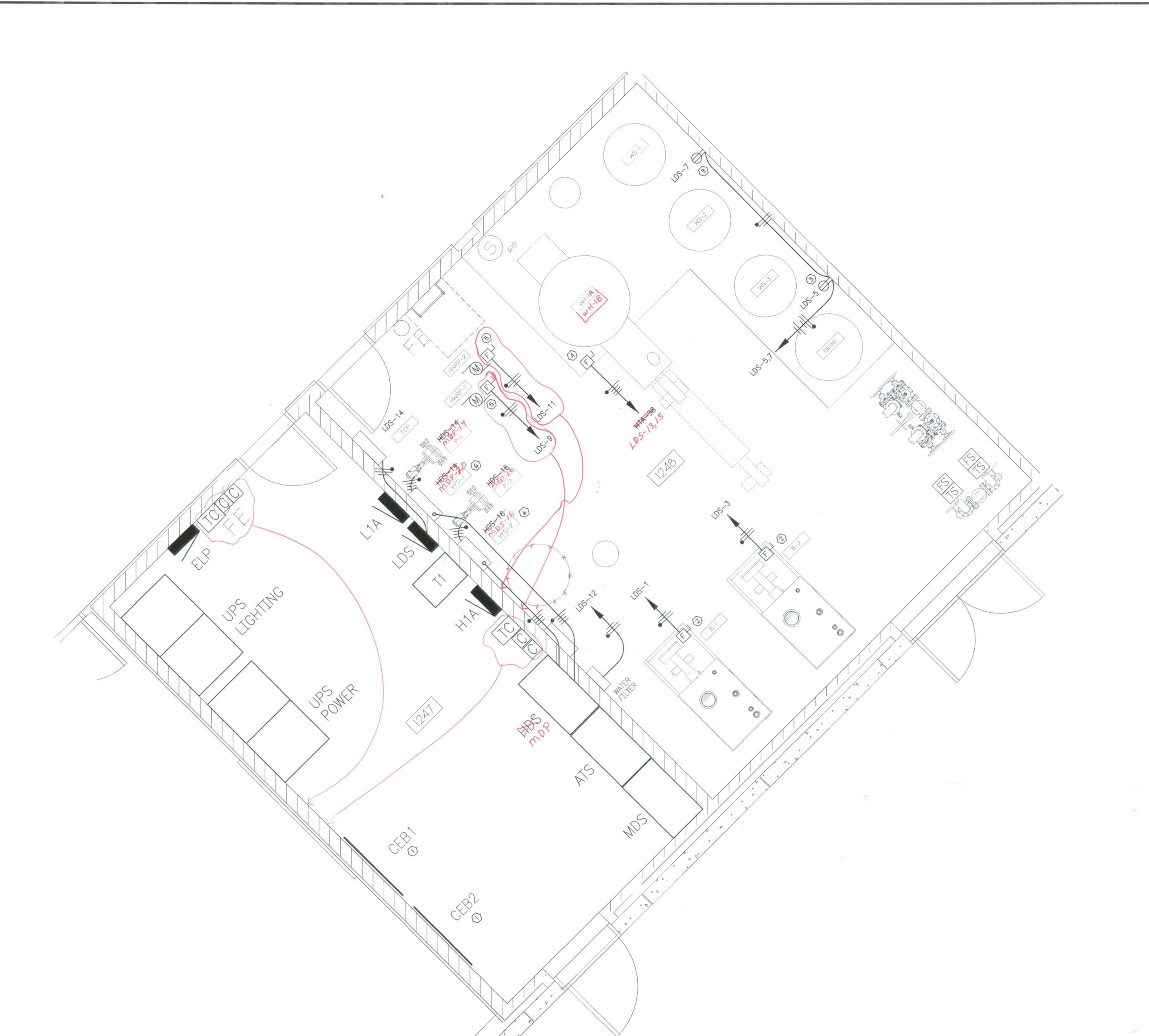


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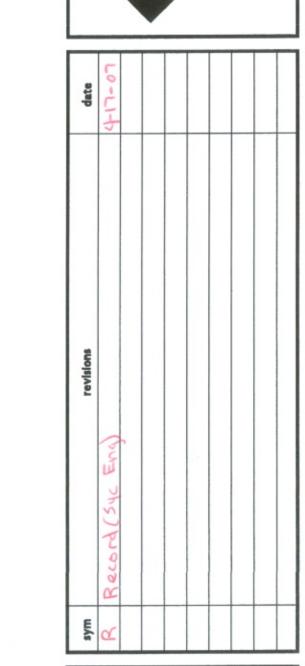
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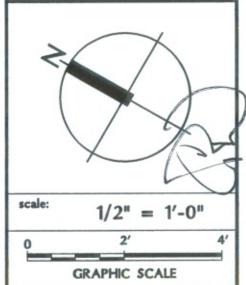
ENLARGED MECHANICAL ROOM 1248 PLAN

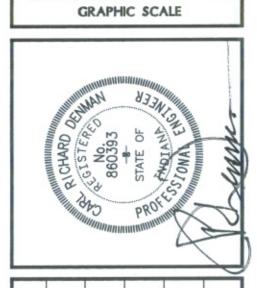


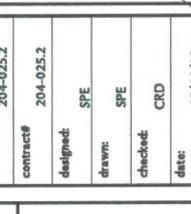
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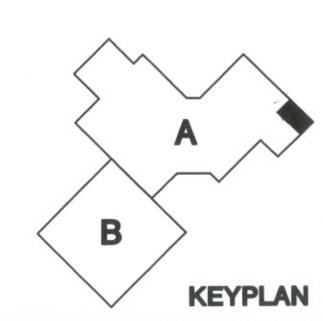
- FURNISH AND INSTALL TWO (2) 4' BY 8' BY 3/4" THICK SHEETS OF PAINTED PLYWOOD ON WEST WALL OF ROOM 1247 FOR TELEPHONE AND CABLE TELEVISION EQUIPMENT MOUNTING BOARDS. PAINT PLYWOOD WITH TWO (2) COATS OF FIRE RESISTANT WHITE ENAMEL.
- FURNISH AND INSTALL TWO (2) 30A, 240V, 2 POLE, FUSIBLE, HEAVY DUTY DISCONNECT SWITCHES IN NEMA I ENCLOSURE LIKE SQUARE D CLASS 3110, CATALOG NO. H221 OR APPROVED EQUAL FOR BOILER NOS. I AND 2 AT THIS LOCATION. FURNISH AND INSTALL 1/2" LIQUIDTITE FLEXIBLE STEEL CONDUIT WITH TWO (2) NO. 12 THWN CONDUCTORS, ONE (1) NO. 12 GROUND BETWEEN DISCONNECT SWITCHES AND BOILERS.
- (3) COORDINATE LOCATION OF RECEPTACLES WITH WATER SOFTNER EQUIPMENT REQUIREMENTS.
- FURNISH AND INSTALL 30A, 480V, 3 POLE, FUSIBLE, HEAVY DUTY DISCONNECT SWITCH IN NEMA I ENCLOSURE LIKE SQUARE D CLASS 3110, CATALOG NO. H361 OR APPROVED EQUAL FOR WATER HEATER NO. I (WH-I) AT THIS LOCATION. FURNISH AND INSTALL 3/4" LIQUIDTITE FLEXIBLE STEEL CONDUIT WITH THREE (3) NO. 12 THWN CONDUCTORS, ONE (1) NO. 12 GROUND BETWEEN DISCONNECT SWITCH AND WATER HEATER.
- 5 FURNISH AND INSTALL 30A, 240V, 2 POLE, FUSIBLE, HEAVY DUTY DISCONNECT SWITCH IN NEMA I ENCLOSURE LIKE SQUARE D CLASS 3110, CATALOG NO. H221 OR APPROVED EQUAL FOR HOT WATER RETURN PUMP AT THIS LOCATION. FURNISH AND INSTALL 1/2" LIQUIDTITE FLEXIBLE STEEL CONDUIT WITH TWO (2) NO. 12 THWN CONDUCTORS, ONE (1) NO. 12 GROUND BETWEEN DISCONNECT SWITCH AND HOT WATER RETURN PUMP.
- FURNISH AND INSTALL 1/2" LIQUIDTITE FLEXIBLE STEEL CONDUIT WITH THREE (3) NO. 12 THWN CONDUCTORS, ONE (1) NO. 12 GROUND BETWEEN VARIABLE FREQUENCY DRIVES (VFD) AND PUMP MOTORS.

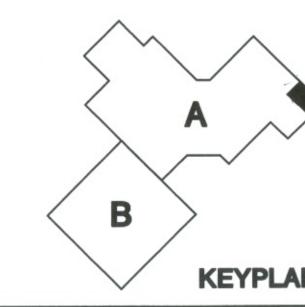






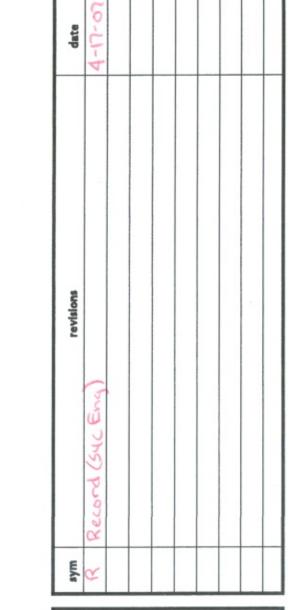


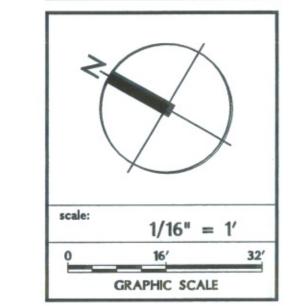


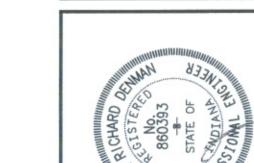


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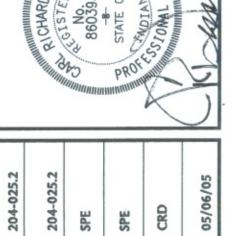


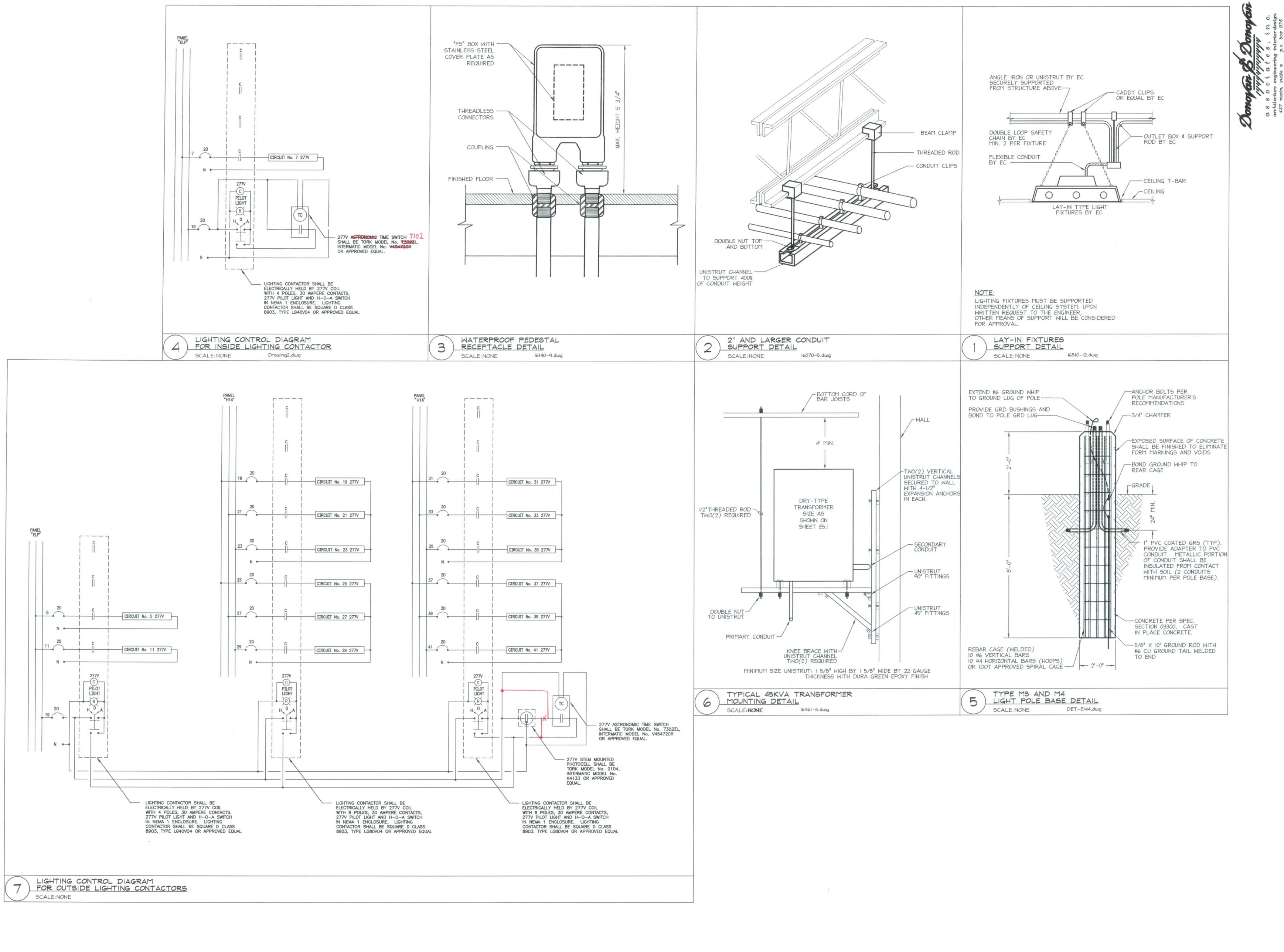


BOTTOM OF SECURITY AUTOMATION EQUIPMENT RACKS IN ROOM 2402. COORDINATE LOCATION OF CONDUITS WITH SECURITY 6 FURNISH AND INSTALL TWO (2) 2" GALVANIZED RIGID STEEL CONDUITS BELOW FLOOR AND BETWEEN CONTROL CONSOLE AND CABLE TRAY ABOVE CEILING IN ROOM 1300. COORDINATE LOCATION OF CONDUITS WITH CONTROL CONSOLE

REQUIREMENTS. FURNISH AND INSTALL TWO (2) 2" GALVANIZED RIGID STEEL CONDUITS BELOW FLOOR AND BETWEEN METAL RACEWAY AND CABLE TRAY ABOVE CEILING IN ROOM 1300. COORDINATE LOCATION OF CONDUITS WITH METAL RACEWAY REQUIREMENTS.

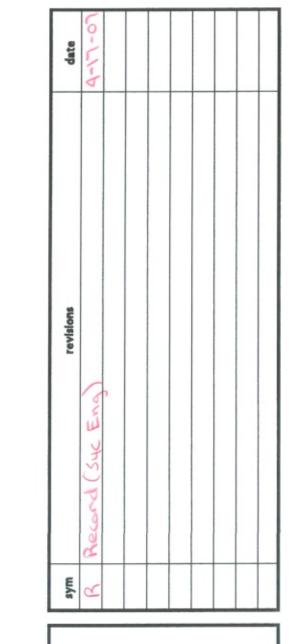
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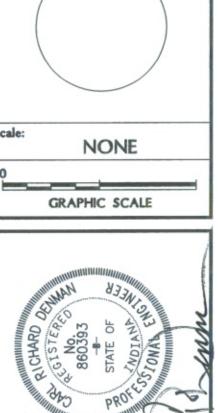


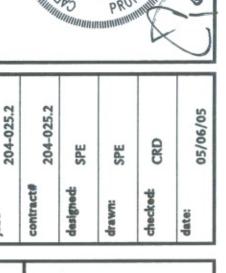


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Indianapolis, Indiana 46205-1547





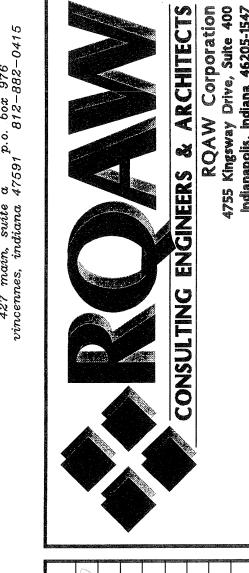


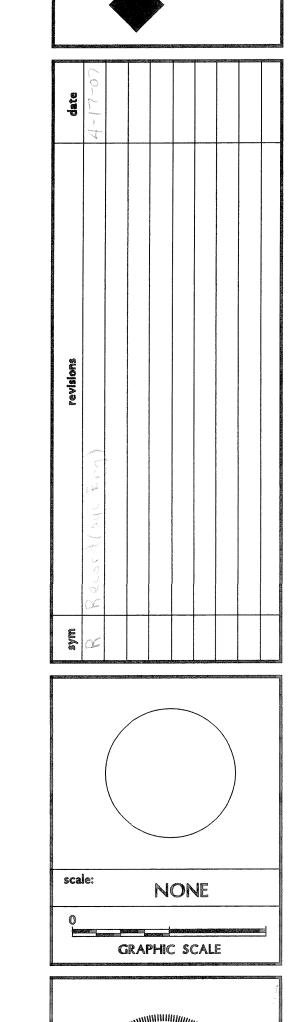
KNOX COUNTY JAIL

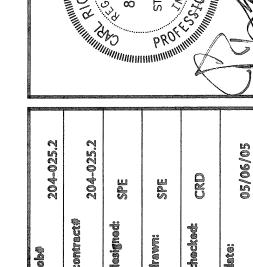
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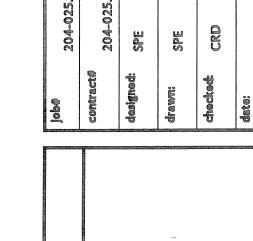
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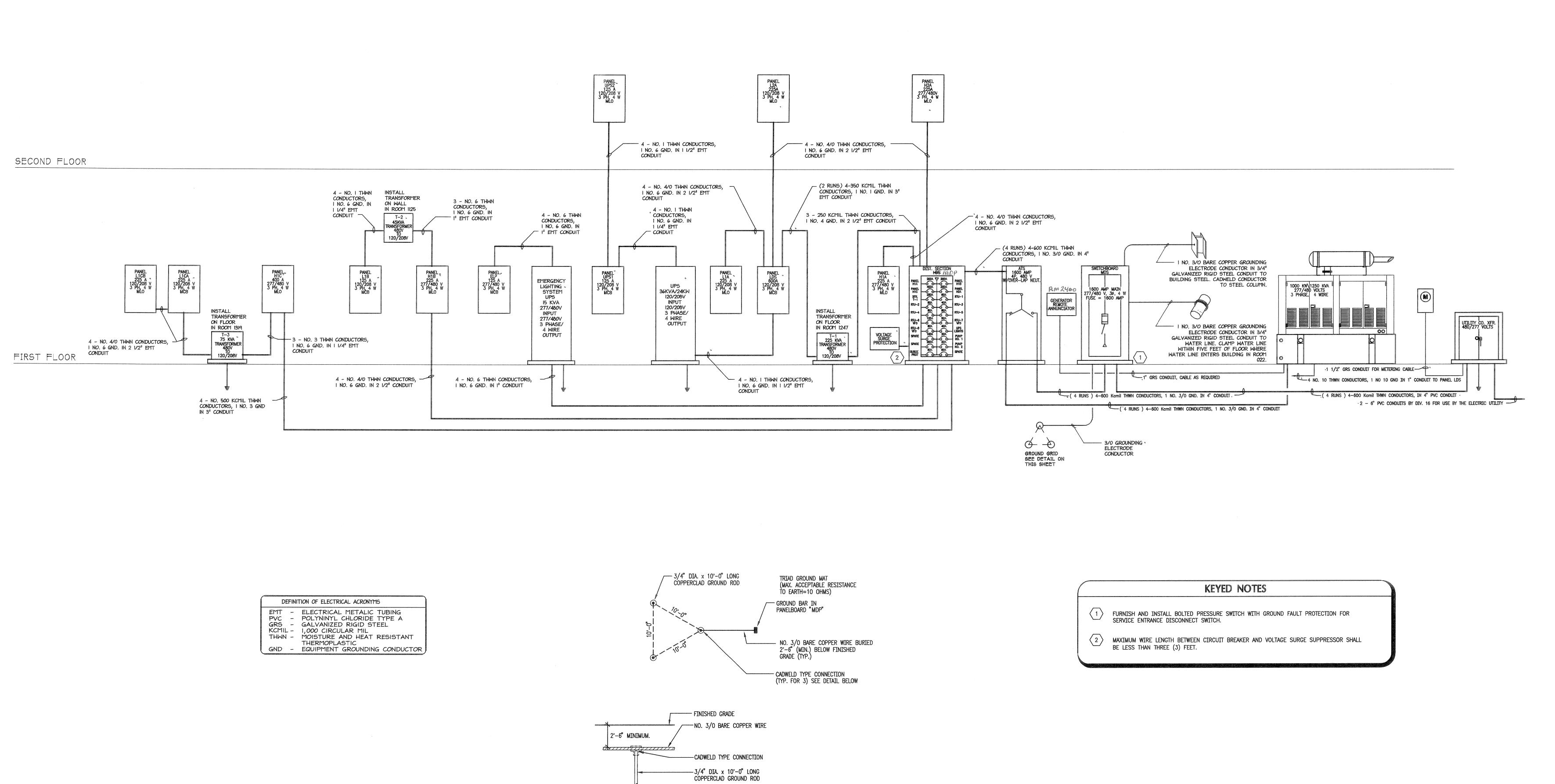








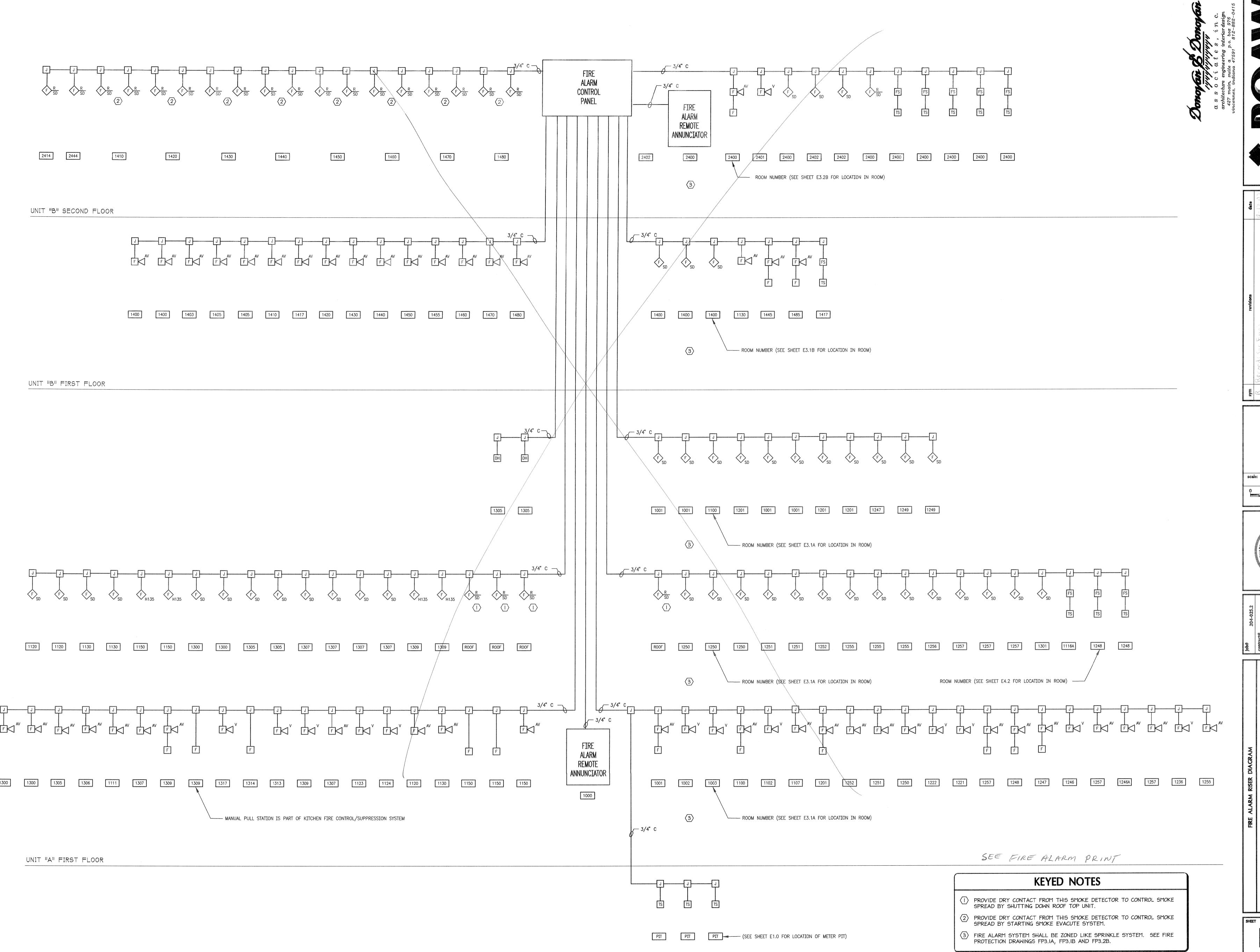




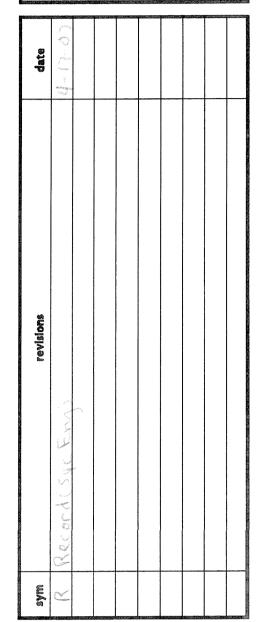
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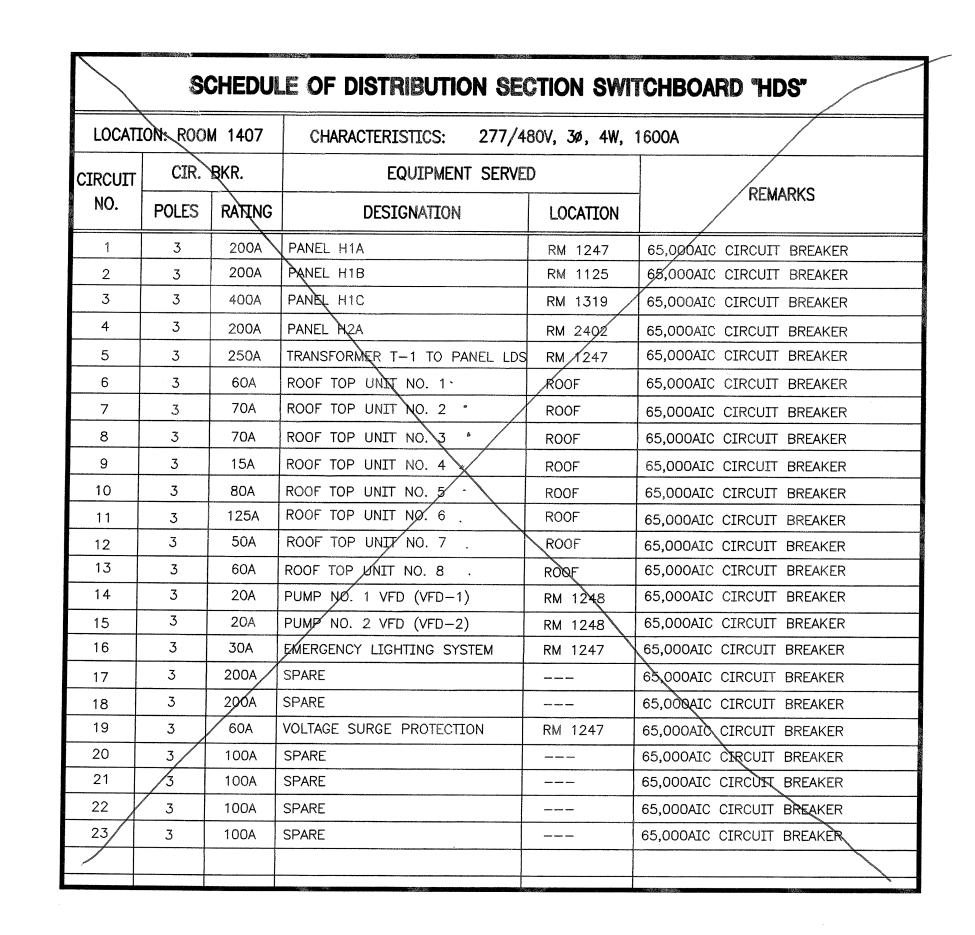
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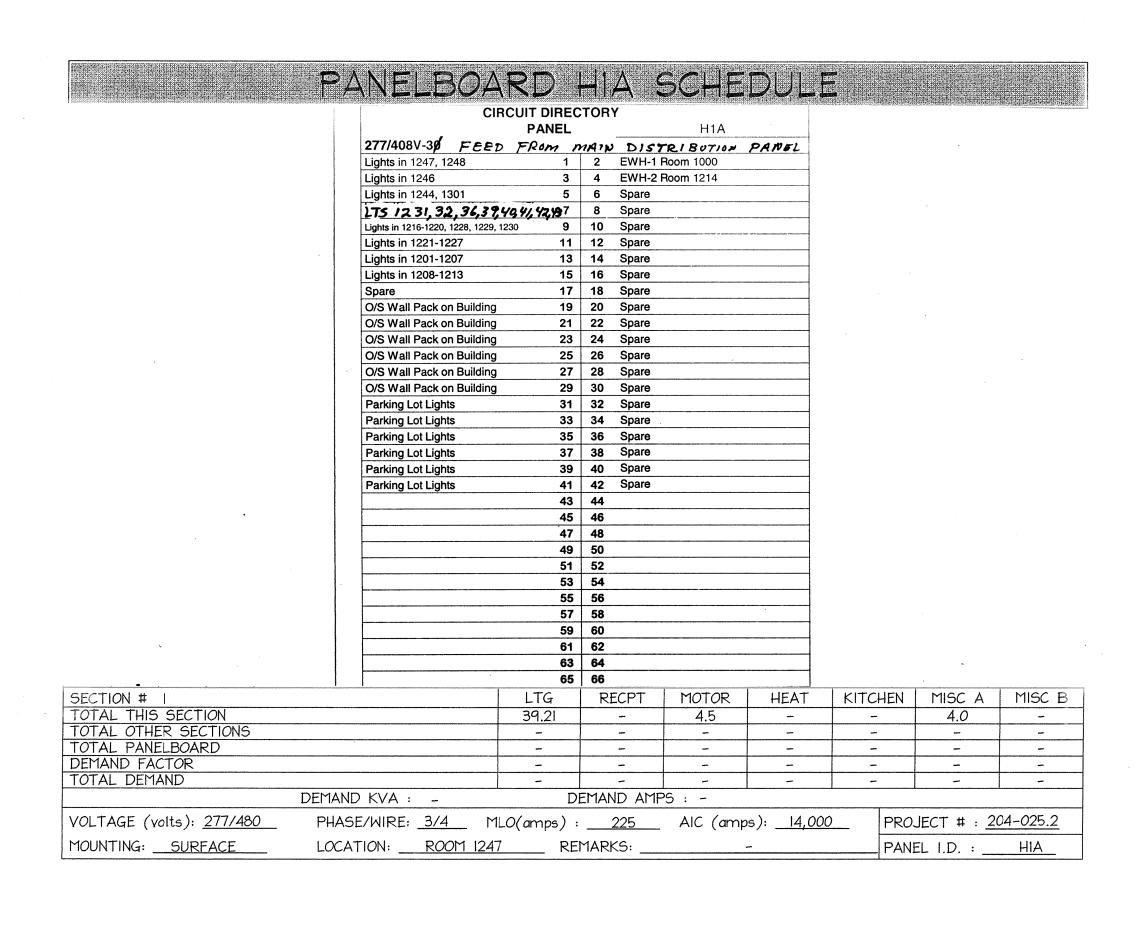


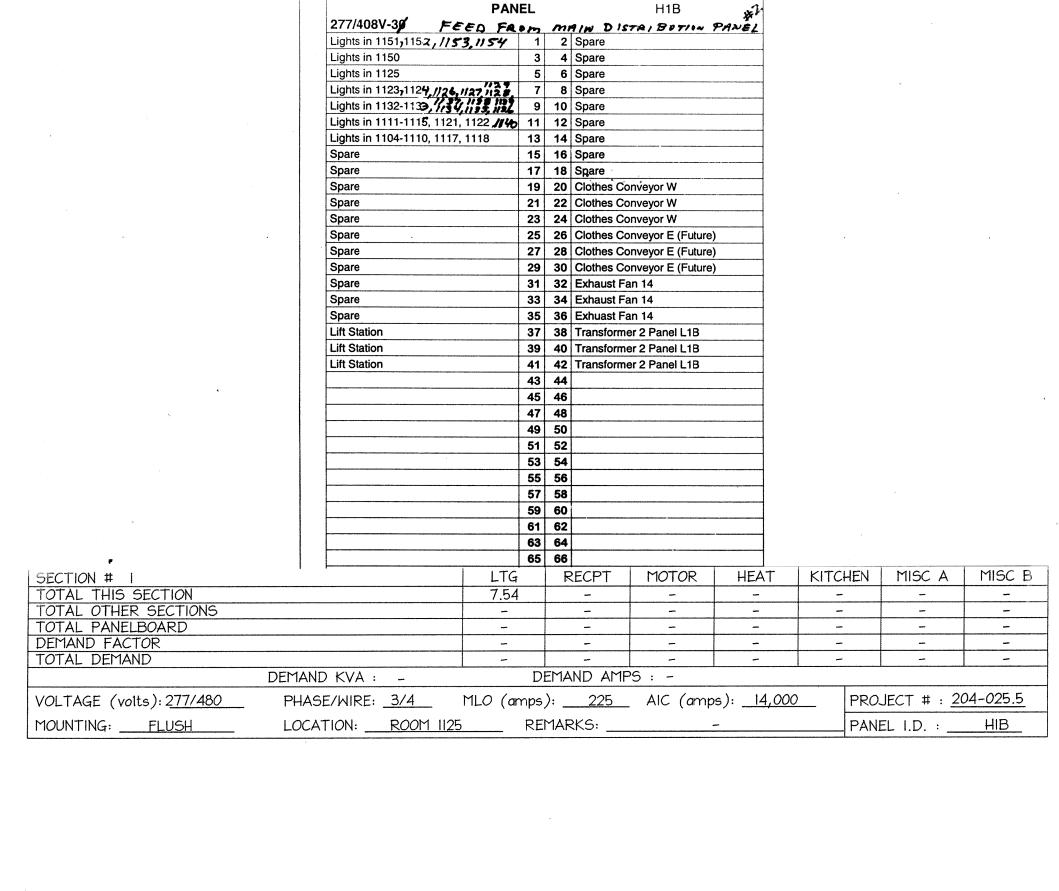
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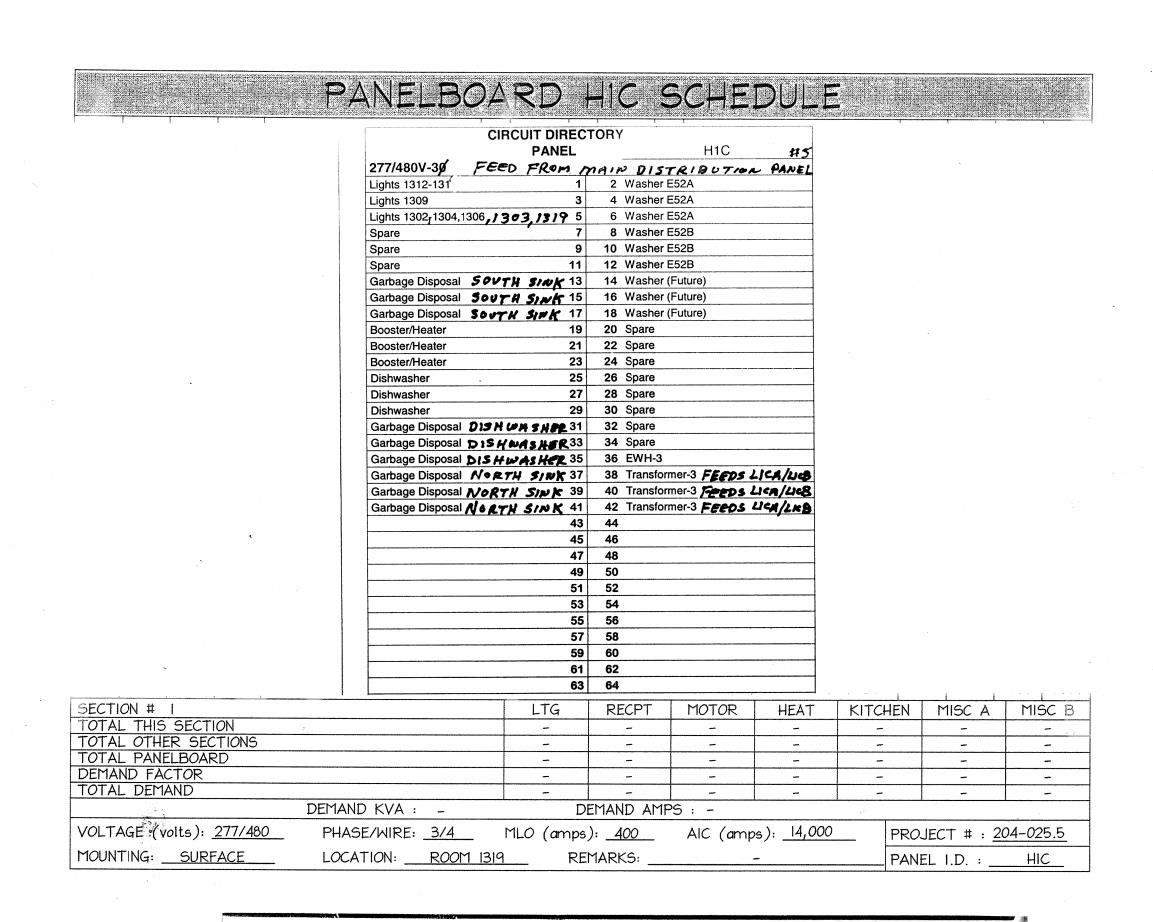


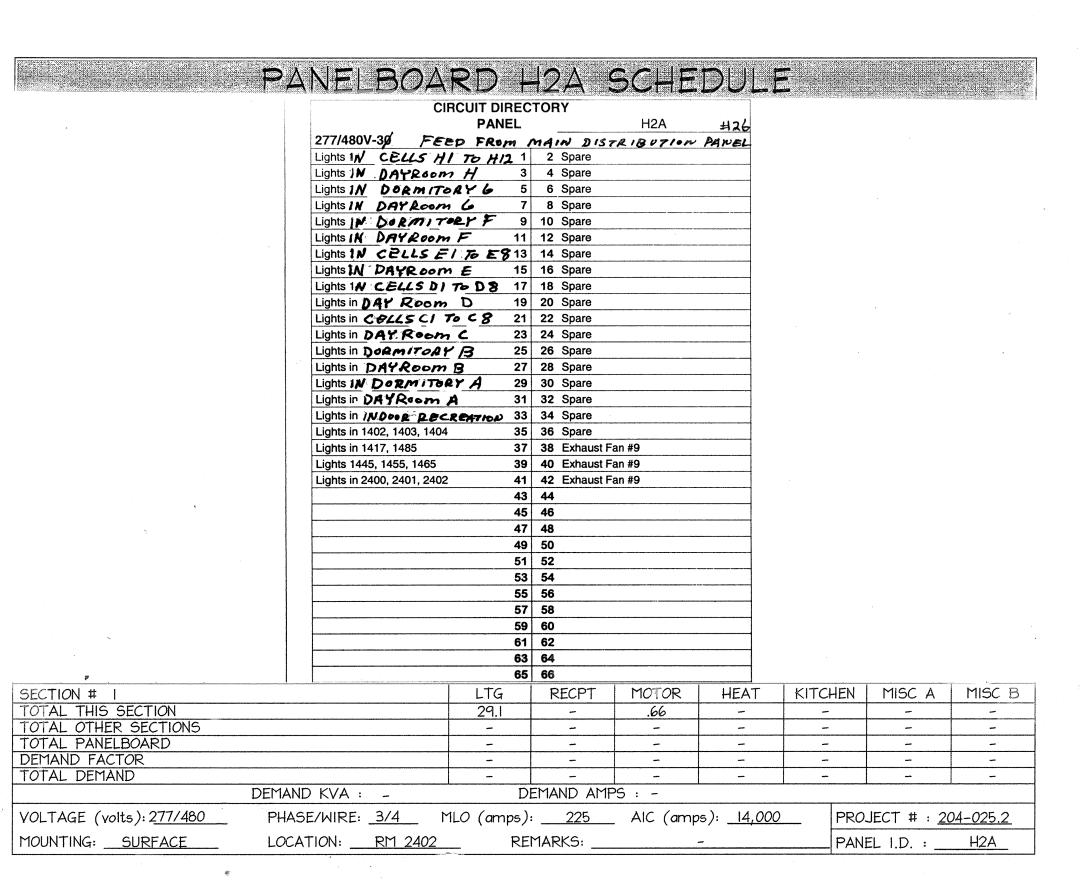




PANELBOARD HIB SCHEDULE

CIRCUIT DIRECTORY

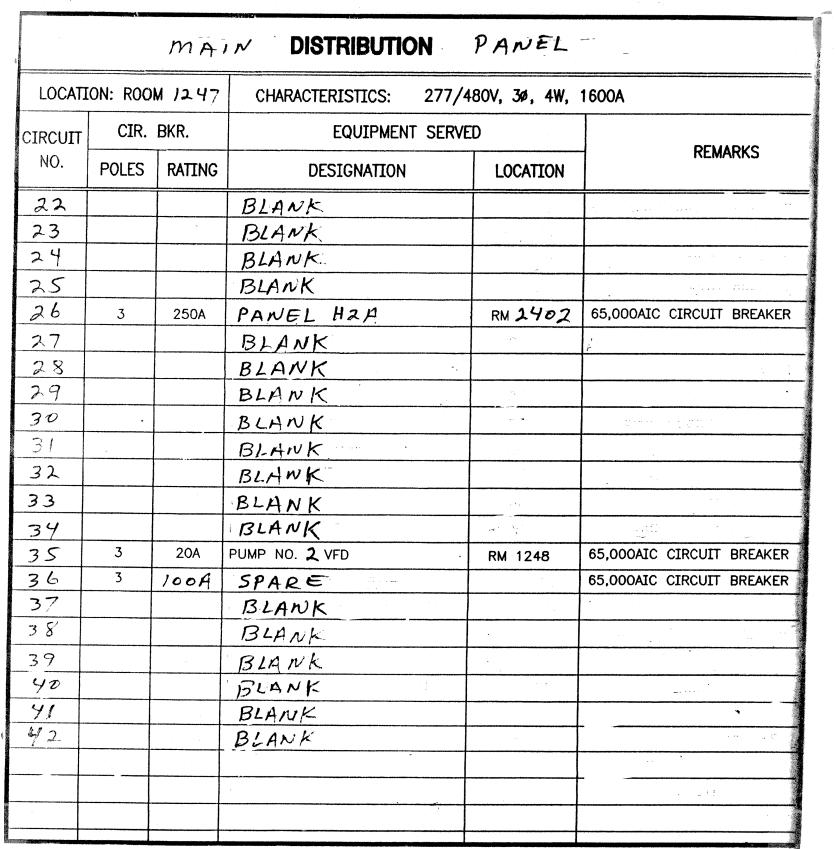


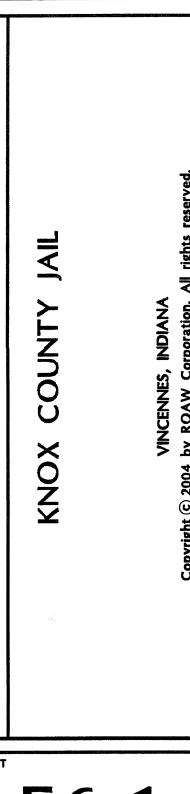


	PANELBO,	ARD F		304E				
		UIT DIRECTOR				an and a		
		PANFI	ŧ	ELP	4/0		•	
	277/408V-3Ø FEE	PANEL LIGHT	2000 000	. 0.470.0	PANEL			
	Lights in 1257 , /256	1	2 Spare	UISTRIBL	77,620			
	Lights in 1251, 1252, 1253	•	4 Spare					
	O/S Cans Admin.; Main Entrar		6 Spare					
	Lights in 1000,1001, 1004	7	8 Spare					
	Lights in 1100; 1102	9	10 Spare					
	O/S Wall Packs; Can O/S 131	4,1305,115011	12 Spare					
	Lights in 1005, 1103, 1307, 13		14 Spare					
	Lights in 1130, 1131, 1120	, /150E 15	16 Spare					
	Lights 1101, 1300, 1305, 1400), Exits "B" 17	18 Spare					
	Pwr to Contactors, Time Clock	rs 19	20 Spare					
	Spare	21	22 Spare					
	Spare		24 Spare					
	Spare		26 Spare	,				
	Spare		28 Spare					
	Spare		30 Spare					
			32					
			34					
			36	No. Assessment of the second s				
			38					
		39 41	40					
		43	42					
€.		45	46					
		47	48					
ECTION # 1	11	LTG	RECPT	MOTOR	HEAT	KITCHEN	MISC A	MISC E
OTAL THIS SECTION		9.5	-	-		-		_
OTAL OTHER SECTIONS				_		_		
OTAL PANELBOARD		_	_	_		_	_	 -
EMAND FACTOR		_	_	_	-	_	-	_
OTAL DEMAND		_	-		-	-		
	DEMAND KVA : -	D	EMAND AME	25 : -				
OLTAGE (volts): <u>277/480</u>	PHASE/WIRE: 3/4	MCB (amps	s): <u>125</u>	_ AIC (amp	s): <u>14,000</u>) PRO	JECT # : <u>2</u>	04-025.2
				-			EL I.D. :	ELP

LOCATI	ON: ROO	M 1247	CHARACTERISTICS: 277/4	80V, 3ø, 4W,	1600A		
CIRCUIT	CIR.	BKR.	EQUIPMENT SERVE	D			
NO.	POLES	RATING	DESIGNATION	LOCATION	REMARKS		
1	3	250 A	PANEL H1A	RM 1247	65,000AIC CIRCUIT BREAKER		
2	3	250 A	PANEL H1B	RM 1125	65,000AIC CIRCUIT BREAKER		
3	3	250A	TRANSFORMED T- / FOR LOS	RM 1247	65,000AIC CIRCUIT BREAKER		
4			BLANK				
5	3	400 A	PANEL HIC	RM /319	65,000AIC CIRCUIT BREAKER		
6	3	250 A	SPARE		65,000AIC CIRCUIT BREAKER		
7	3	250 A	SPARE	-	65,000AIC CIRCUIT BREAKER		
8	3	60 A	SURGE SUPPRESION	Rm 1247	65,000AIC CIRCUIT BREAKER		
9	3	100A	SPARE		65,000AIC CIRCUIT BREAKER		
10	3	30 A	UPS LIGHTING	RM 1247	65,000AIC CIRCUIT BREAKER		
11	3	100 A	SPARE	ż	65,000AIC CIRCUIT BREAKER		
12	3	100A	SPARE		65,000AIC CIRCUIT BREAKER		
13	3	60A	ROOF TOP UNIT NO. .	ROOF - B	65,000AIC CIRCUIT BREAKER		
14	3	70A	ROOF TOP UNIT NO. 2	Roof-B	65,000AIC CIRCUIT BREAKER		
15	3	70A	ROOF TOP UNIT NO.3	Roof-B	65,000AIC CIRCUIT BREAKER		
16	3	15A	ROCF TOP UNIT NO. 4	ROOF-B	65,000AIC CIRCUIT BREAKER		
17	3	80A	ROOF TOP UNIT NO.5	Roof-A	65,000AIC CIRCUIT BREAKER		
18	3	125A	ROOF TOP UNIT NO.6	ROOF-A	65,000AIC CIRCUIT BREAKER		
19	3	50 A	RUOF FOR UNIT NO.7	ROOF-A	65,000AIC CIRCUIT BREAKER		
20	3		RUOF TOP UNIT NO.8	ROOF-A	65,000AIC CIRCUIT BREAKER		
21	3	20A	Pump NO.2 VFD	RM.1248	65,000AIC CIRCUIT BREAKER		

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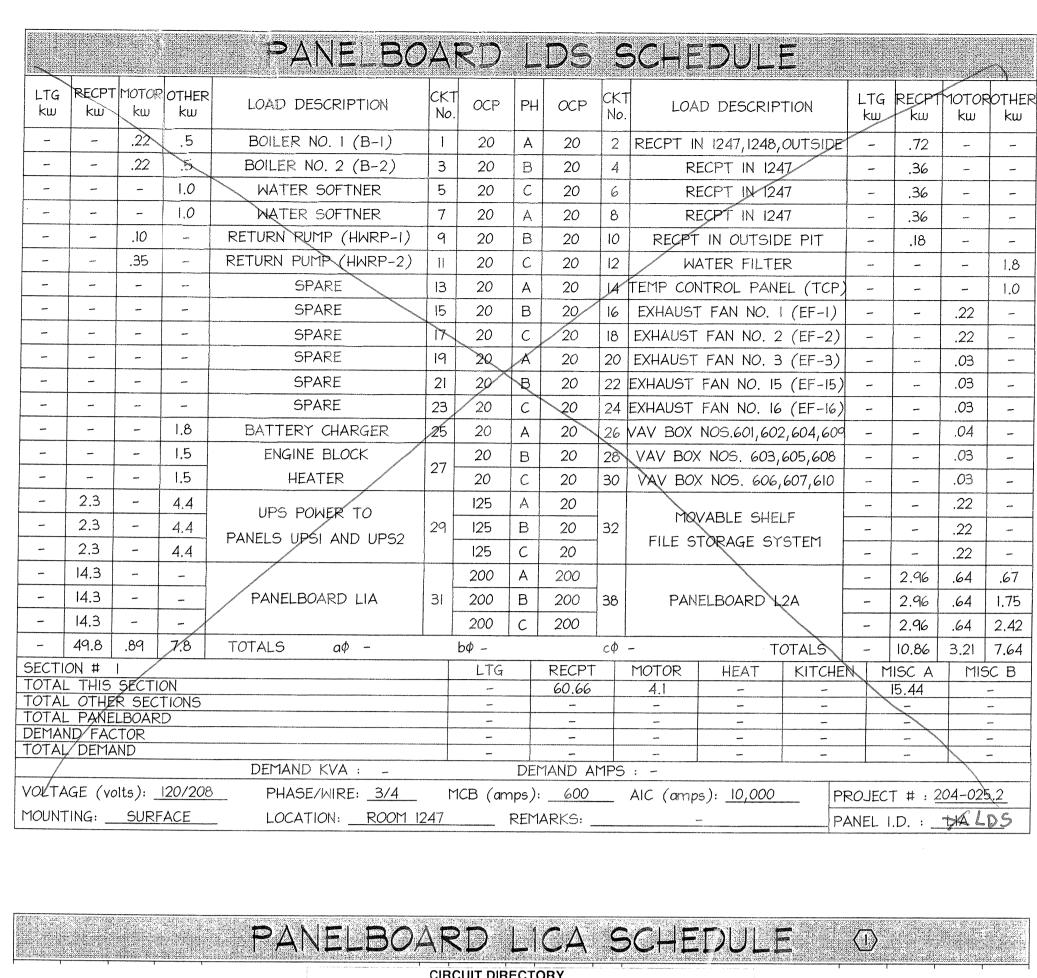


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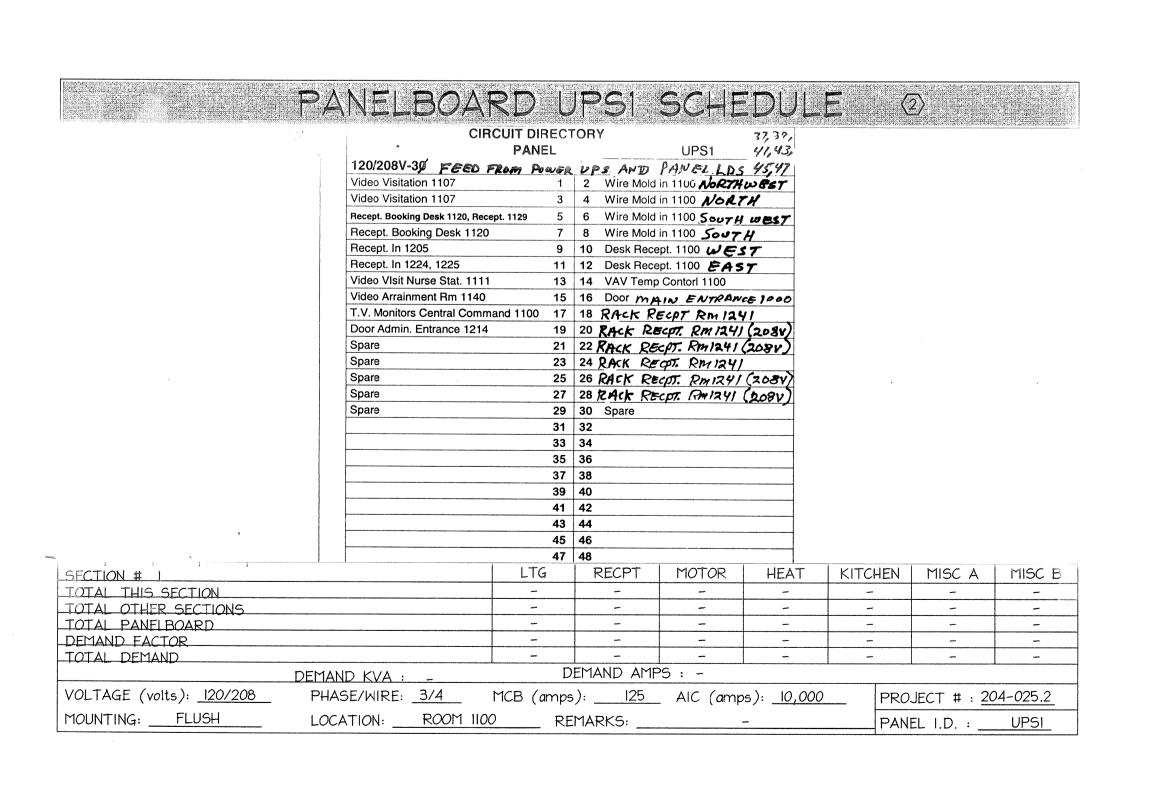
NONE

GRAPHIC SCALE

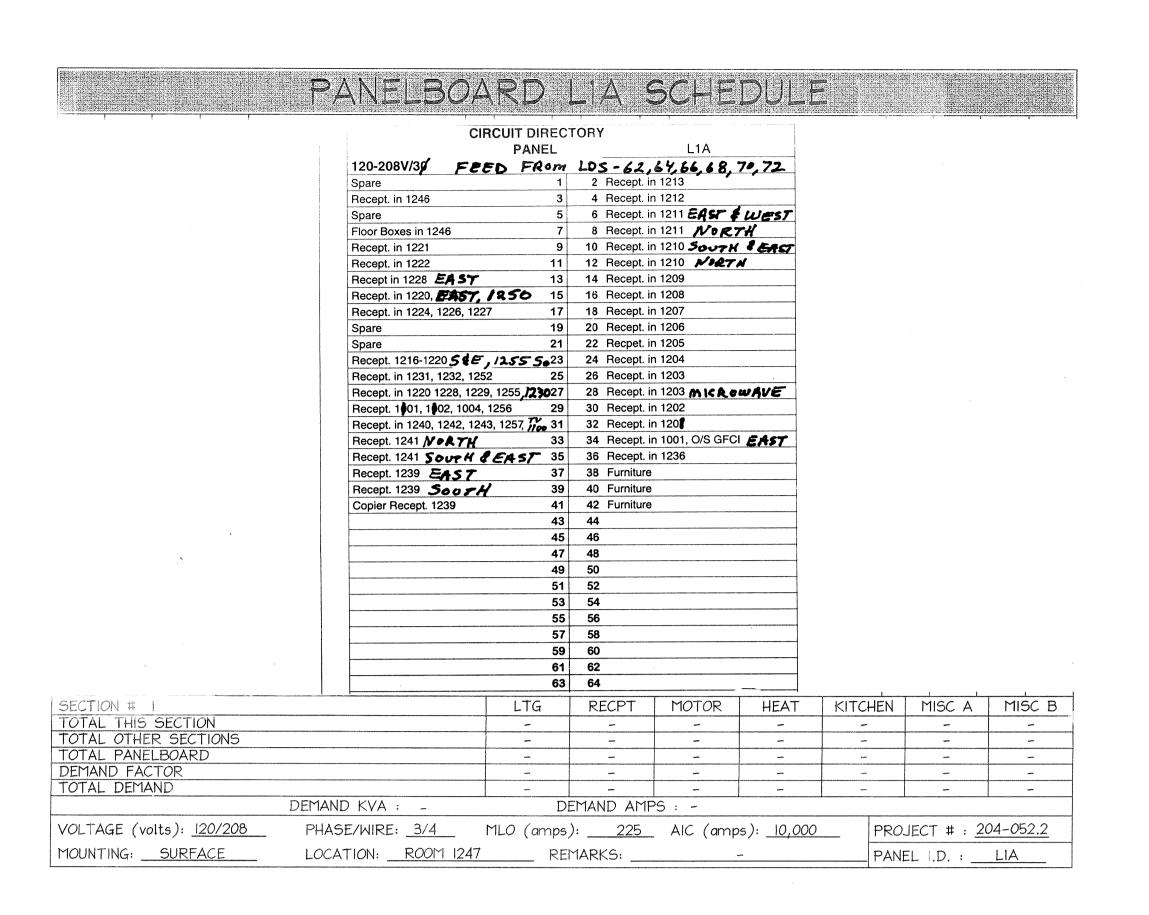
E6.1



\mathbb{P}_{ℓ}	ANELBOA	RD L	JICA	SCHE	DUL	ACCUSATION AND ADDRESS OF THE PARTY OF THE P		
T T T T T T T T T T T T T T T T T T T		CIRCUIT DIREC	CTORY			LE MES COME. SHOW THE PROPERTY OF SHOW THE PROPERTY OF THE PRO	1	12044191.04000.04000.0400.0400.00044
		PANEL		L1CA	\$ 1			
	120/208V-30	EED FROM	T3 (H		0.42)			
	Cooler Lights	1	2 Utility Ra	aceway				
	Hood Lights; Controls; Ar	nsul 3	4 Utility Ra	aceway				
	Freezer Lights	5	6 Utility Ra					
	Spare	7	8 ("Shunt")				
	Spare	9		I-Box Above Coole	er)			
	Cooler Compressor	11		Work Table				
	Cooler Compressor	13		Work Table				
	Cooler Compressor	15	16 E-7 Slice					
	Freezer Compressor	17	18 Microwa					
	Freezer Compressor Freezer Compressor	19	20 Microwa	ve				
	Spare Spare	21	22 Toaster 24 Toaster					
	Hood Exhaust Fan; Supp	23 oly Fan 25		ay Make-up				
	Hood Exhaust Fan; Supp			ay Make-up				
	Hood Exhaust Fan; Supp	-		ECPT BY. COFF	OR MANES			
	Spare	31	32 Ice Mac		CE MAKOR			
	Spare	33	34 Spare					
	Spare	35	36 Coffee N	/aker				
		37	38 Coffee M	/laker				
	E-25 Mixer	39	40 Ex. Fan-	·5				
		41	42 Ex. Fan-	Dishwasher	A STATE OF THE STA			
		43	44					
·		45	46					
V.		47	48					
		49	50					
		51	52					
		53	54					
		55	56					
		57	58					
		59	60					
		61	62	**************************************				
		63	64	*		UINLUI	0.0	.10 1 122.010
SECTION # 1		LTG	RECPT	MOTOR	HEAT	KITCHEN	MISC A	MISC B
TOTAL THIS SECTION		3.4	8.5	8.42		22.86	-	
TOTAL OTHER SECTIONS		-	_	-	-	-	_	_
TOTAL PANELBOARD			•••	_	August	-	_	_
DEMAND FACTOR		-		-				
TOTAL DEMAND		_	pulle	-				sulfin
DEMA	ND KVA : -	D	EMAND AMF	PS : -				
VOLTAGE (volts): 120/208 PHA	ASE/WIRE: <u>3/4</u>	MCB (amps): 225	_ AIC (amp	s): <u>10,000</u>	PRO	JECT # : <u>20</u>	04-025.2
MOUNTING: SURFACE LOC	CATION: _ ROOM 1319		MARKS:		-			TICRITICO



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r P,	ANELBOAR	RD		.ICB	SCHE	DUL	Easily		12 (24) (14) (15) (15) (15) (15) (15) (15) (15) (15
A TOUR DESIGNATION OF THE PROPERTY OF THE PROP		en stern and a		derille etc. Moon, beleet			geograpi og den er	John Carlotte Control of Nation (No. 1997)	ddieddigddddd gaerth caest rawn en or ac mae'r 1
	CIRC	UIT DIR							
		PANE			СВ				
	120/208V-30 FEED	FROM	1 T 3	3 (H1c-3	8,40,42) 307,1319,056	ri an			
						FI			
	Recept. in 1309 FASTNO			Recept. in 1302, 1	303	40.0			
	Transport Cart E27B			Recept. in 1304	7 (order and many			
	Transport Cart E27C			Recept. in 1303,	***************************************				
	Recept. in 1309 EASTS ou Transport Cart E27D				o 3, 1314 Q S. 6F1				
	GFI RECPT BY NORTH			Recept. in 1315	3, 1314 Q 3, 6/ 1	-			
	Recept. in 1 889 / 3 / 2				309, 1317, 1318				
	Spare				308, outside 6 F	-			
	Dryer E53A		20 5		ooo, outoido Gr				
	Dryer E53A				1305,13061	1-			
	Dryer E53A		24 5						
	Dryer E53B		26 5		and the same of th				
	Dryer E53B	27	28 F	Recept. Phone Eq	uipment				
	Dryer E53B	29	30 5	Spare					
	Dryer E53C	31	32 5	Spare					
	Dryer E53C	33	34 5	Spare					
	Dryer E53C	35	36	Spare					
	Dryer (Future)		38 5						
	Dryer (Future)		40 5						
Dryer (Future)			42 5	Spare					
			44						
,			46						
,		47	48						
		49	50			_			
		51	52						
		53	54			_			
			56		**************************************				
			58						
			60 62			-			
· ·		63							
CECTION				T DECDE	MOTOR	<u> </u>	KITCHEN	MICCA	MICC D
SECTION # I		LT(RECPT	MOTOR	HEAT	KITCHEN	MISC A	MISC B
TOTAL THIS SECTION		_		14.26	4.59		6.4		
TOTAL OTHER SECTIONS		-		_	-	-	-	_	
TOTAL PANELBOARD DEMAND FACTOR		_			-				
TOTAL DEMAND				-	-				-
	AND KVA : -			EMAND AMF		-			
VOLTAGE (volts): <u>120/208</u> PH	IASE/WIRE: 3/4	MLO (amps): <u>200</u>	AIC (amps	s): <u>10,000</u>	PRO.	JECT # : <u>20</u>	4-052.2
MOUNTING: <u>SURFACE</u> LC	CATION: ROOM 1319		RE	MARKS:			PANI	EL I.D. :	LICA LICB

CIRCU	IT DIREC	TORY					
420/200V 200 FFFF	PANEL		LDS	#3			
120/208V-30 FEED { Boiler HVAC-1	-Ram h 1	1 <i>AIN DIS</i> ; 2 Recept.	RM 1247	PANEL			
Boiler HVAC-2	3	·	Board Recept. 124	7			
Water Softner 3 - Brine tank	5		Board Recept. 124				
Water Softner 1&2	7		Board Recept. 124				
HWRP-1	9	10 O/S Pit I					
HWRP-2	11	12 Water F	ilter				
WH-1-B	13	14 Temp. C	Control Panel	AND THE RESIDENCE OF THE PROPERTY AND			
WH-1-A	15	16 Ex. Fan	-1				
Surface Mount Recept. In 1244	17	18 Ex. Fan	-2				
Spare	19	20 Ex. Fan					
Block Heater Generator	21	22 Ex. Fan-	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
Block Heater Generator	23	24 Ex. Fan-					
Battery Charger Generator	25		1, 602, 609				
Block Heater Generator Block Heater Generator	27		3, 605, 608				
Existing Well Pump	29 31	30 VAV-60	6, 607, 610				
Existing Well Pump Blank	31	34					
Blank	35	36					
Power For Panels UPS1, UPS2	37	38	TANK TO THE TANK THE				
Power For Panels UPS1, UPS2	39	40	- Mil				
Power For Panels UPS1, UPS2	41	42					
Power For Panels UPS1, UPS2	43	44					
Power For Panels UPS1, UPS2	45	46					
Power For Panels UPS1, UPS2	47	48					
	49	50	***************************************				
917-2-3006	51	52					
	53	54					
	55	56	OCHUME WALL 21				
	57	58					
A-10-11	59 61	60 62 L1A					
A CONTRACTOR OF THE STATE OF TH	63	64 L1A					
600A Main	65	66 L1A					
600A Main	67	68 L1A					
600A Main	69	70 L1A	A STANLAR STAN				
600A Main	71	72 L1A					
600A Main	73	74 L2A					
600A Main	75	76 L2A					
600A Main	77	78 L2A					
600A Main	79	80 L2A					
600A Main	81	82 L2A					
600A Main	83	84 L2A					delilier
	LTG	RECPT	MOTOR	HEAT	KITCHEN	MISC A	MISC B
	_	60.66	4.1			15.44	_
	_				_	-	_
			-		_		_
	-		-	-		-	-
			_		_		_

PANEL I.D. : L.D.S

SECTION # 1

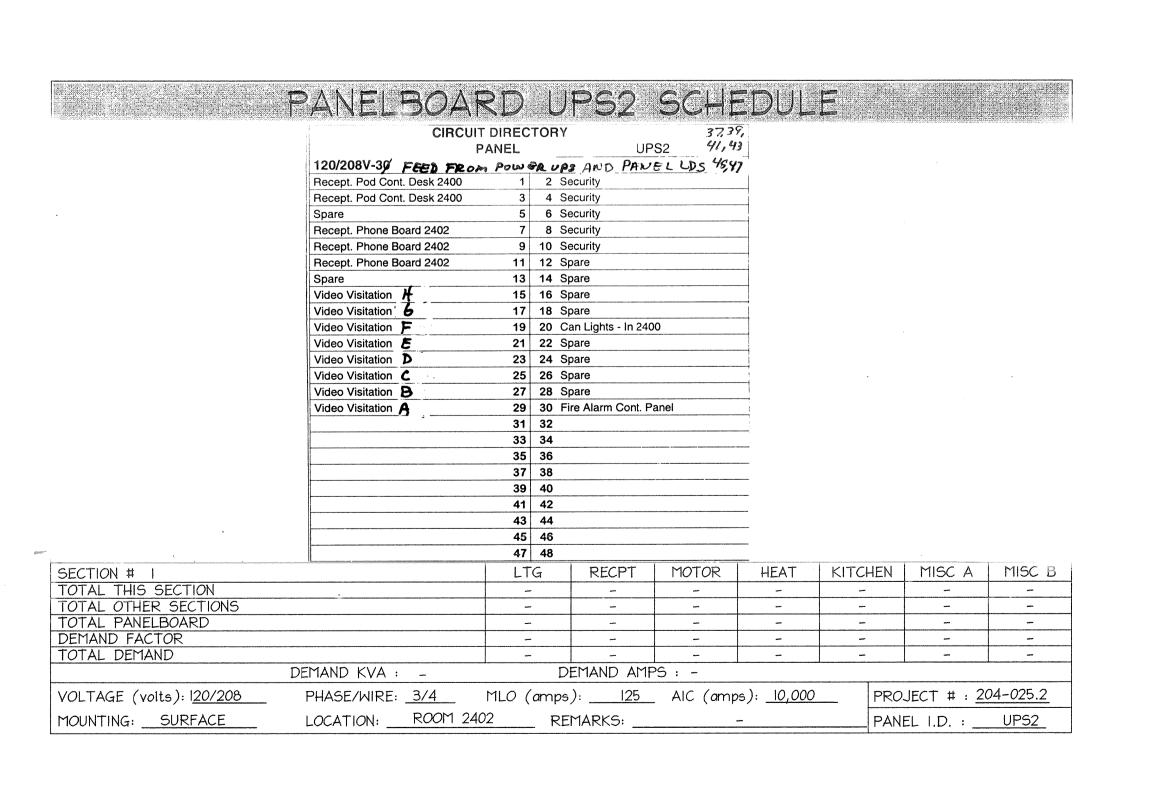
TOTAL THIS SECTION
TOTAL OTHER SECTIONS
TOTAL PANELBOARD
DEMAND FACTOR
TOTAL DEMAND

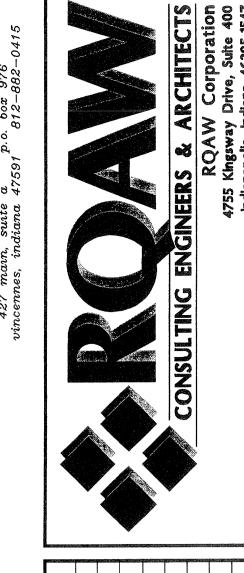
VOLTAGE (volts): <u>120/208</u>

MOUNTING: SURFACE LOCATION: ROOM 1247 REMARKS: ____

	T		\$454.04040404040405556404040555544546405546464				
	CIRCUIT DIREC	TORV					
	PANEL	JIONI	L1B				
120/2081/-20		×0 / 11 10					
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	· · · · · · · · · · · · · · · · · · ·	+					
				E/ NET			
				7 2007			
							
		46 6		40.			
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	18 AUX 170	V CIR EX EA	N 14			
		20 Spare					
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		om 1002				
							
	25				P		
Recept. 1118							
Recept. 1117	29						
	1110, 1111 31						
Recept. 1111, 1116,	Chase , 1116 A 33	34 Ex. Fan 17	7				
Wiremold 1111	35						
Wiremold 1111 , /1	12 37	38 Spare					
Spare	39	40 AC-1; AC-	1 Condensing Uni	t			
Spare	41	42 AC-1; AC-	1 Condensing Uni	t			
	43	44					
	45	46	•				
	47	48					
	49	50					
	51	52					
	53	54					
	57	58					
		·					
	63	64	Market 1447 (Annual				
	LTG	RECPT	MOTOR	HEAT	KITCHEN	MISC A	MISC B
hander of the first firs	Name of the latest of the late					_	42,500
	-		_		_		
			_		_	mater	_
	_	_					
			_		-		_
							-
ND KVA : -	-					water	
ND KVA : _ ASE/WIRE: _3/4	- - D	- EMAND AMF	- P5 : -	- - s): <u>10,00</u> 0) PRO	- - JECT # : 20	
_	Recept. in 1152 Recept. in 1150, 115 Recept. in 1125, 1130, 11 Recept. 1129 Recept. 1129 Spare Recept. 1150 , //2 Recept. 1126 Recept. 1126 Recept. 1120 Spare Spare Spare Recept. 1118 Recept. 1117 Recept. 1117 Recept. 1116, 1107, Recept. 1111, 1116, Wiremold 1111 Wiremold 1111 , // Spare	Recept. in 1150, 1151 1 Recept. in 1152 3 Recept. in 1150, 1153, 1154 5 Recept. in 1125, 1130, 1131, 1150, Chases, 77 Recept. 1129 9 Recept. 1129 11 Spare 13 Recept. 1150 , //2 5 15 Recept. 1124, 1125 17 Recept. 1126 19 Recept. 1120 21 Spare 23 Spare 23 Spare 25 Recept. 1118 27 Recept. 1117 29 Recept. 1116, 1107, 1110, 1111 31 Recept. 1111, 1116, Chase , / / / / / / / / / / / / / / / / / /	Recept. in 1150, 1151	Recept. in 1150, 1151 Recept. in 1152 Recept. in 1152, 1130, 1153, 1154 Recept. in 1125, 1130, 1131, 1150, Chases, 177 Recept. in 1125, 1130, 1131, 1150, Chases, 177 Recept. 1129 Recept. 1129 Recept. 1129 Recept. 1129 Recept. 1150, //25 Recept. 1150, //25 Recept. 1150, //25 Recept. 1150, //25 Recept. 1124, 1125 Recept. 1126 Recept. 1120 Recept. 1120 Recept. 1120 Recept. 1120 Recept. 1118 Recept. 1118 Recept. 1117 Recept. 1118 Recept. 1117 Recept. 1116, 1107, 1110, 1111 Recept. 1117 Recept. 1116, 1107, 1110, 1111 Recept. 1111, 1116, Chase, /// A 33 Recept. 1111, 1116, Chase, /// A 33 Recept. 1111, 1116, Chase /// A 34 Recept. 1111, /// A 37 Recept. 1111, /// A 37 Recept. 1111, /// A 37 Recept. 1114 Recept. 1117 Recept. 1116, Chase /// A 34 Recept. 1117 Recept. 1117 Recept. 1117 Recept. 1118 Recept. 1111, /// A 33 Recept. 1111, /// A 35 Recept. 1111, 1116, Chase /// A 48 Recept. 1116 Recept. 1117 Recept. 1118 Recept. 1125 Recept. 1126 R	Recept. in 1150, 1151	Recept. in 1150, 1151	Recept. in 1150, 1151

	PANELBOA	RD-L	_2A = \$	SCHE	DULE			
	CI	RCUIT DIRECT	TORY	1 1/ V / MINISTER				
		PANEL		L2A				
	120/208V-39 FE	ED FROM	LD5-747	6,78, 80,8	2.84			
	Exhaust Fan #6	1	2 Recept. in 1	1403-ES,W	Š			
	Exhaust Fan #7	3	4 Recept. 140	02, 1403 -N, E	N, WN			
	Exhaust Fan #8	5	6 Recept. in 1					
	Exhaust Fan #10	7	8 Recept in 1	485				
	Exhaust Fan #11	9	10 Recept in 1	417, 1418				
	Exhaust Fan #13	11	12 Recept in 1	445, 1455, 1465				
	HOT WATER FIENTED	SA SCHOOLA	14 Television I	Recept. Dayrm.	4			
	"WATER RET, PUMP!	3 1VO MERI 15	16 Television I	Recept. Dayrm.	6			
	HOT LEATED HEATED :	30 SO, MECH 17	18 Television I	Recept. Dayrm.	F			
	FORLOWER PEPTER Z	B NEW WEEK 19	20 Television I	Recept. Dayrm.	5			
	ACV on domestic water	21	22 Television I	Recept. Dayrm. 🕽				
	FIRT WIFE TEN FIEDTER.	2 B 50, MAR 23	24 Television I	Recept. Dayrm. 🕻	* •			
	Spare	25	26 Television I	Recept. Dayrm.				
	LOPPER RET. Fing	" No mel 27	28 Television	Recept. Dayrm.	4			
	Spare	29	30 GFCI Rece	pt. 2400				
	Security	31	32 Recept. in 2	2400				
	Security	33	34 GFCI Rece					
	Security	35		ecept. 2402 🛝				
	Security	37	38 General (Recept. 24				
	Security	39	40 Water Hea	ter No 6 Rm. 140	2			
	Aux 120V Cir Exhaust Far	19 DAW PER41	42 Water Hea	ter No 6 Rm. 140	2			
		[°] 43	44					
•		45						
3		47	48					
		49						
		51						
		53						
		55						
		57						
		59						
\	-	61						
		63	64					
SECTION # I		LTG	RECPT	MOTOR	HEAT	KITCHEN	MISC A	MISC B
TOTAL THIS SECTION			8.86	1.91	_	_	4.84	_
TOTAL OTHER SECTIONS		-	-	-			_	_
TOTAL PANELBOARD					-		-	
DEMAND FACTOR					-		_	_
TOTAL DEMAND						-	_	
101712 2021 171132	DEMAND KVA : -		EMAND AMF	25 : -			A	1
VOLTACE (::=1+=) 120/209					·). IO OOO	DD) IECT # 2/	24-025 2
VOLTAGE (volts): 120/208							DJECT # : <u>20</u>	
MOUNTING: SURFACE	LOCATION: ROOM 240	<u>)2 </u>	MARKS:			PAN	IEL I.D. :	L2A





revisions		date	6-11-4				
			V				
	Record St. Branch	revisions	ر المعربي				

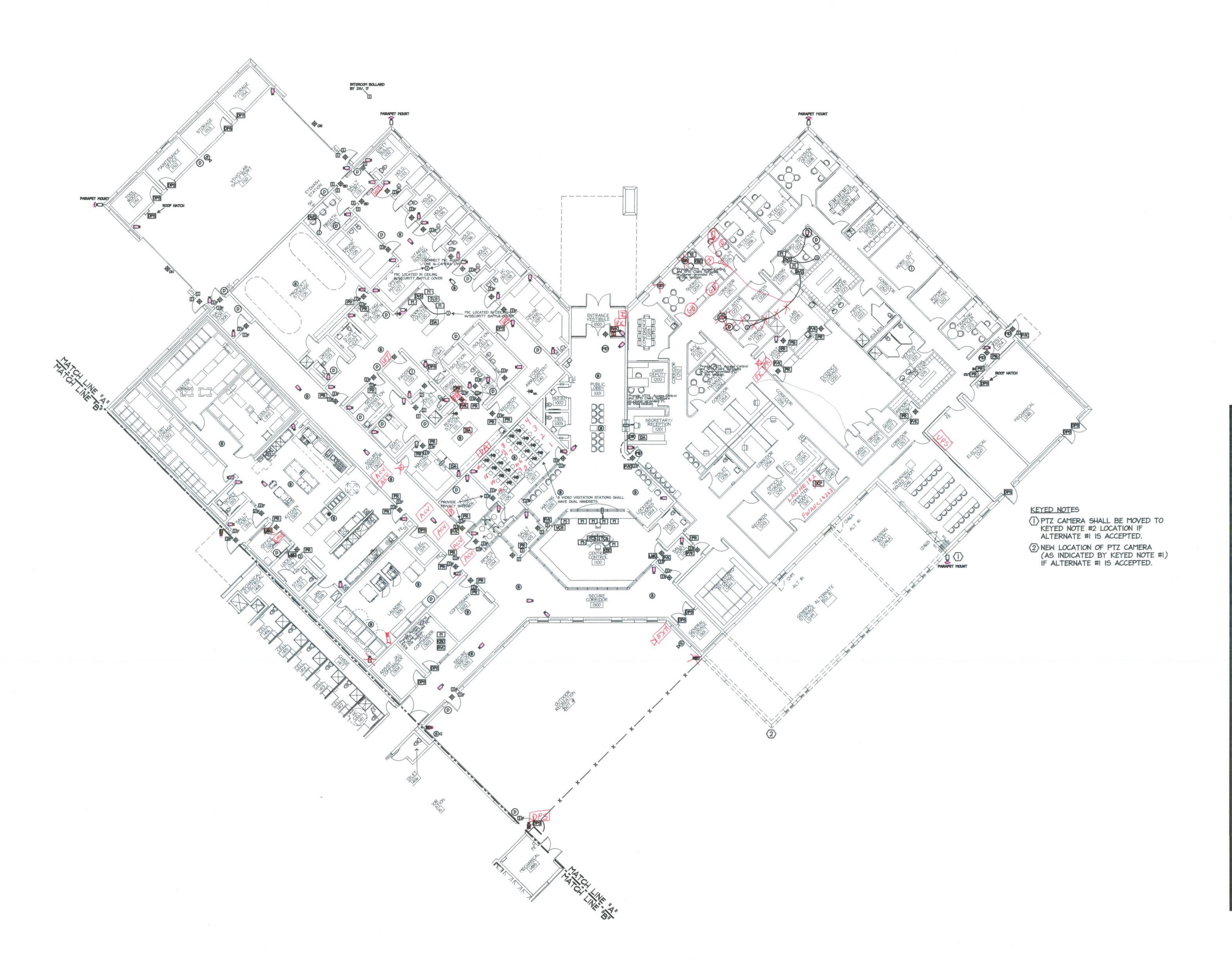
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William CHARD William	860393 APHILLING STATE OF STAT	- mome

contracts 204-025.2 designed: SPE designed: SPE

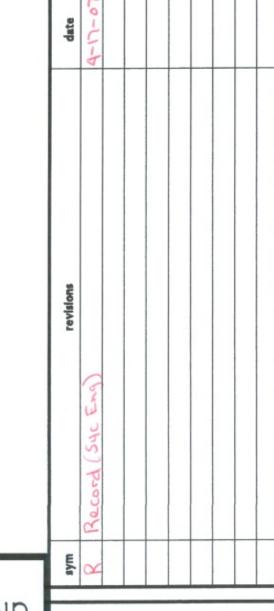
KNOX COUNTY JAIL

VINCENNES, INDIANA

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FIRST FLOOR SECURITY PLAN - UNIT "A" SCALE: 3/32"=1'-0"



scale: 3/32"=1'-0"

THE RESERVE TO THE PERSON NAMED IN

GRAPHIC SCALE

SECURITY PLAN LEGEND

TCS TOUCH SCREEN CONTROL STATION

VCS VISITATION CONTROL STATION

UCP UTILITY CONTROL PANEL

SEC SECURITY EQUIPMENT CABINET

MONITORED/CONTROLLED DOOR
(OH=OVERHEAD DOOR, SD=REMOTE
ELECTRIC AND LOCAL MECHANICAL
SLIDING DOOR SK=REMOTE ELECTRIC
AND MECHANICAL SLIDING DOOR -I.E. - KICK RELEASE SLIDER

DPS MONITORED ONLY DOOR

PROXIMITY READER P/K PROX/KEYPAD COMBINATION READER

LMO EXIT PUSHBUTTON DR DOOR RELEASE PUSHBUTTON

DA DURESS PUSHBUTTON, UNDER-COUNTER

D DURESS PUSHBUTTON, WALL-MOUNT

WT WATCHTOUR PUSHBUTTON

MOTION DETECTOR (MD) REQUEST TO EXIT MOTION DETECTOR

GLASS BREAK DETECTOR

INTERCOM STATION

IF INTERCOM STATION (WT=WATCHTOUR

FUNCTIONALITY) (FRAME MOUNTED)

INTERCOM (VOICE ACTIVATED)

COVERT MICROPHONE

S PAGING SPEAKER S PAGING HORN

TALK-THROUGH COMMUNICATOR

VISITATION HANDSET (PAIR)

DVD CCTV DVD RECORDER

M CCTV MONITOR KBD CCTV CONTROL KEYBOARD

RVC DVR REMOTE VIEWING COMPUTER (III EXTERIOR PAN/TILT/ZOOM CAMERA

INTERIOR CAMERA W/DETENTION HOUSING EXTERIOR CAMERA W/WEATHERPROOF

DETENTION-GRADE HOUSING

COVERT CAMERA

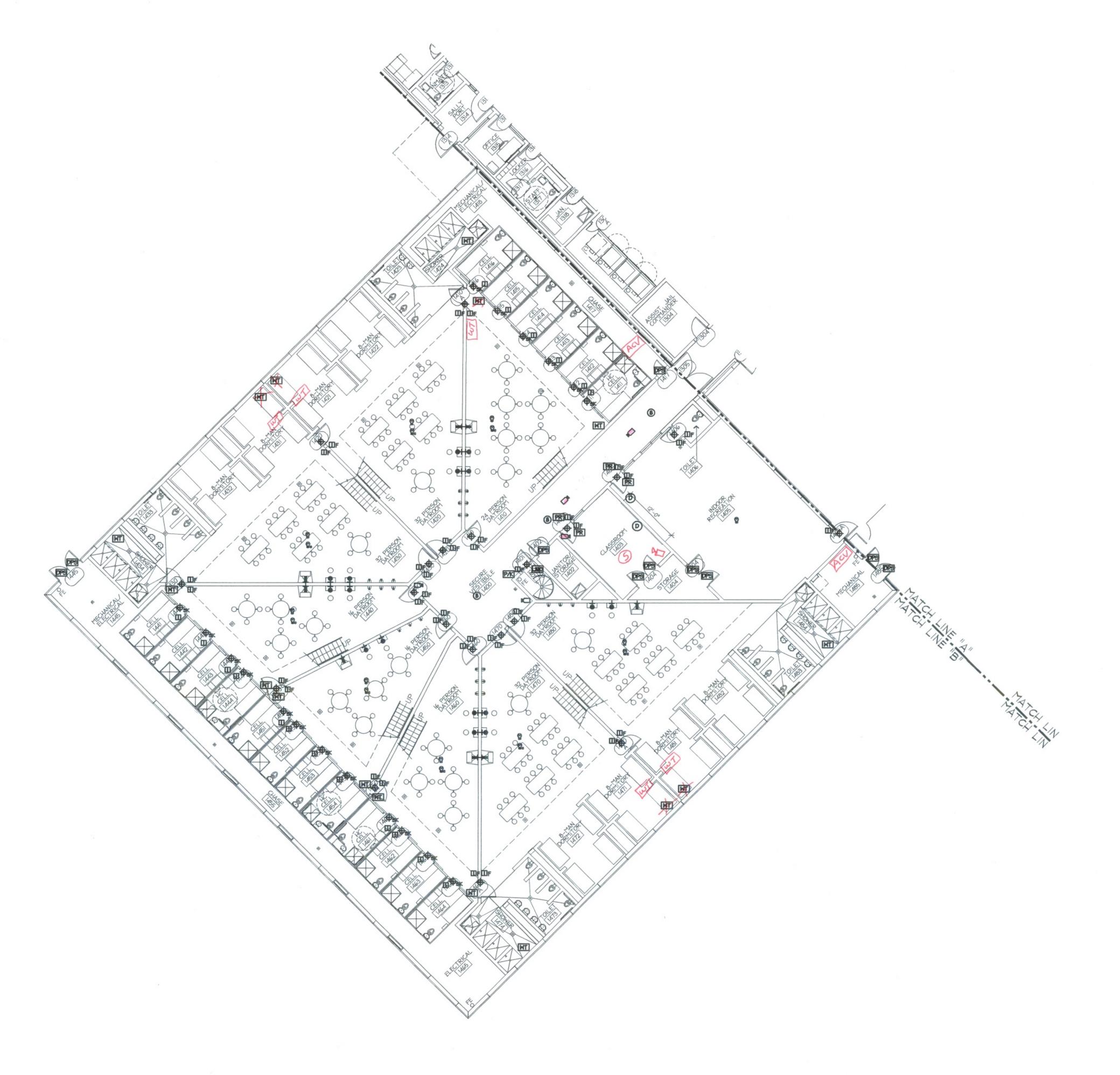
VIDEO VISITATION STATION VIDEO ARRAIGNMENT STATION (FUTURE ONLY)

▼ INMATE TELEPHONE CONTROL

TELEVISION RECEPTACLE CONTROL

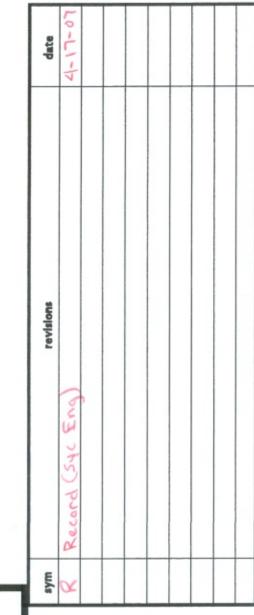
☑ LIGHTING CONTROL, DAYROOM
☑
☑ LIGHTING CONTROL, CELL BY GROUP

KEYPLAN



FIRST FLOOR SECURITY PLAN - UNIT "B" SCALE: 3/32"=1'-0"





3/32"=1'-0"

GRAPHIC SCALE

SECURITY PLAN LEGEND

TCS TOUCH SCREEN CONTROL STATION

VCS VISITATION CONTROL STATION

UCP UTILITY CONTROL PANEL SEC SECURITY EQUIPMENT CABINET

MONITORED/CONTROLLED DOOR OH=OVERHEAD DOOR, SD=REMOTE ELECTRIC AND LOCAL MECHANICAL SLIDING DOOR SK=REMOTE ELECTRIC AND MECHANICAL SLIDING DOOR -

I.E. - KICK RELEASE SLIDER) MONITORED ONLY DOOR

PROXIMITY READER

PROX/KEYPAD COMBINATION READER LMO EXIT PUSHBUTTON

DOOR RELEASE PUSHBUTTON DA DURESS PUSHBUTTON, UNDER-COUNTER

DURESS PUSHBUTTON, WALL-MOUNT

WT WATCHTOUR PUSHBUTTON

MOTION DETECTOR

MD REQUEST TO EXIT MOTION DETECTOR

GLASS BREAK DETECTOR

INTERCOM STATION

IF INTERCOM STATION (WT=WATCHTOUR FUNCTIONALITY) (FRAME MOUNTED)

INTERCOM (VOICE ACTIVATED)

COVERT MICROPHONE

PAGING SPEAKER S PAGING HORN

TALK-THROUGH COMMUNICATOR

VISITATION HANDSET (PAIR)

DVD CCTV DVD RECORDER M CCTV MONITOR

KBD CCTV CONTROL KEYBOARD

RVC DVR REMOTE VIEWING COMPUTER EXTERIOR PAN/TILT/ZOOM CAMERA

INTERIOR CAMERA W/DETENTION HOUSING

EXTERIOR CAMERA W/WEATHERPROOF DETENTION-GRADE HOUSING

COVERT CAMERA

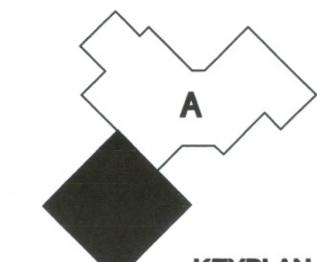
VIDEO VISITATION STATION VIDEO ARRAIGNMENT STATION (FUTURE

■ INMATE TELEPHONE CONTROL

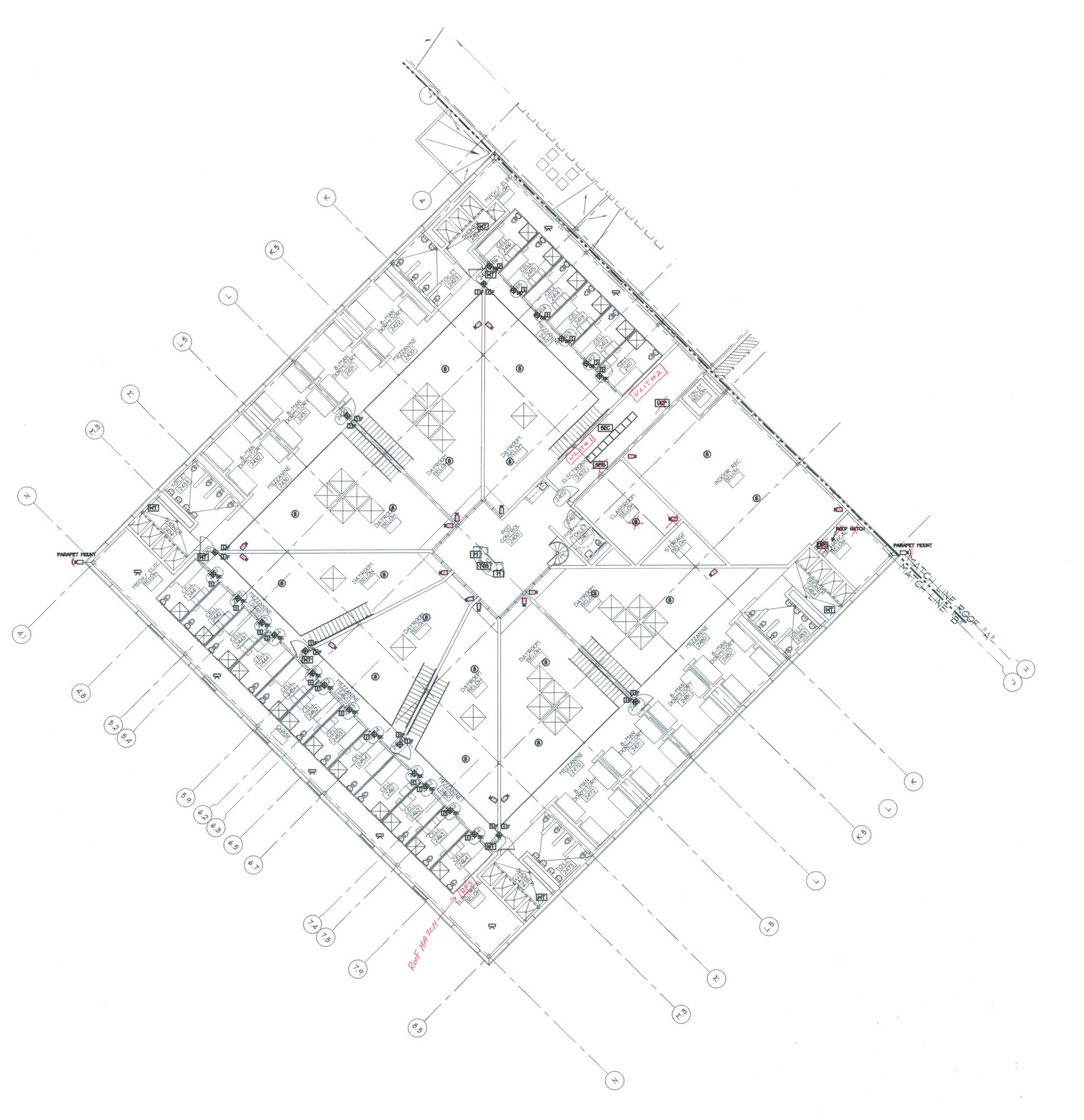
TELEVISION RECEPTACLE CONTROL

☑ LIGHTING CONTROL, DAYROOM

©c LIGHTING CONTROL, CELL BY GROUP



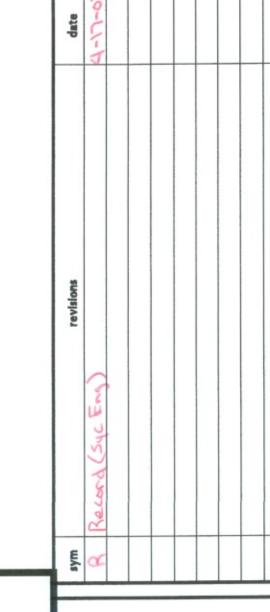
KEYPLAN



SECOND FLOOR SECURITY PLAN - UNIT "B"

SCALE: 3/32"=1'-0"





3/32"=1'-0"

GRAPHIC SCALE

SECURITY PLAN LEGEND

TCS TOUCH SCREEN CONTROL STATION VCS VISITATION CONTROL STATION

UCP UTILITY CONTROL THEL

SEC SECURITY EQUIPMENT CABINET

MONITORED/CONTROLLED DOOR (OH=OVERHEAD DOOR, SD=REMOTE ELECTRIC AND LOCAL MECHANICAL SLIDING DOOR SK=REMOTE ELECTRIC AND MECHANICAL SLIDING DOOR -I.E. - KICK RELEASE SLIDER)

DPS MONITORED ONLY DOOR

PROXIMITY READER P/K PROX/KEYPAD COMBINATION READER LMO EXIT PUSHBUTTON

DR) DOOR RELEASE PUSHBUTTON

DA DURESS PUSHBUTTON, UNDER-COUNTER D DURESS PUSHBUTTON, WALL-MOUNT

WT WATCHTOUR PUSHBUTTON MOTION DETECTOR

MD REQUEST TO EXIT MOTION DETECTOR GB GLASS BREAK DETECTOR

I INTERCOM STATION IF INTERCOM STATION (WT=WATCHTOUR FUNCTIONALITY) (FRAME MOUNTED)

I INTERCOM (VOICE ACTIVATED) COVERT MICROPHONE

S PAGING SPEAKER S

□ PAGING HORN

TALK-THROUGH COMMUNICATOR VISITATION HANDSET (PAIR)

DVD CCTV DVD RECORDER M CCTV MONITOR

KBD CCTV CONTROL KEYBOARD RVC DVR REMOTE VIEWING COMPUTER EXTERIOR PAN/TILT/ZOOM CAMERA

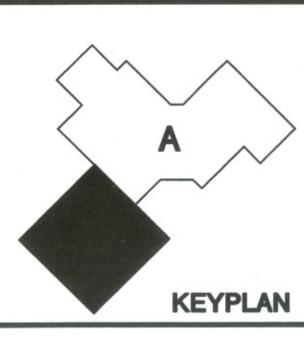
INTERIOR CAMERA W/DETENTION HOUSING EXTERIOR CAMERA W/WEATHERPROOF

DETENTION-GRADE HOUSING COVERT CAMERA

→ VIDEO VISITATION STATION VIDEO ARRAIGNMENT STATION (FUTURE ▼ INMATE TELEPHONE CONTROL

TELEVISION RECEPTACLE CONTROL LIGHTING CONTROL, DAYROOM

C. LIGHTING CONTROL, CELL BY GROUP



	BACKBOX RI	EQUIREMENTS
SYMBOL	UNIT	BACKBOX
TCS	TOUCH SCREEN CONTROL STATION	SINGLE GANG 3-1/2" DEEP BOX BY DIVISION 16 EQUIPMENT LOCATED ON MILLWORK
SMS	SECURITY MANAGEMENT SERVER/ACCESS COMPUTER	EQUIPMENT LOCATED IN DIVISION 17 EQUIPMENT RACK
+	DOORS, MONITORED/CONTROLLED	IN DOOR FRAME, BY OTHERS
DPS	DOORS, MONITORED ONLY	IN DOOR FRAME, BY OTHERS
PR P/K	PROXIMITY/KEYPAD COMBINATION READER	SINGLE GANG 3-1/2" DEEP MASONRY BOX BY DIVISION 16
LMO	EXIT PUSHBUTTON	SINGLE GANG MASONRY BOX BY DIVISION 16
(DR)	DOOR RELEASE PUSHBUTTON	SINGLE GANG MASONRY BOX BY DIVISION 16
DA	DURESS PUSHBUTTON, UNDER-COUNTER	SINGLE GANG BOX BY DIVISION 16 EQUIPMENT LOCATED IN MILLWORK
(D)	DURESS PUSHBUTTON, WALL-MOUNT	SINGLE GANG 3-1/2" DEEP MASONRY BOX BY DIVISION 16
◆ →	VISITATION HANDSET (PAIR)	2 GANG 3-1/2" DEEP (PER HANDSET) BY DIVISION 16
(GB)	GLASS BREAK DETECTOR	SINGLE GANG BOX BY DIVISION 16
abla	MOTION DETECTOR	SINGLE GANG 3-1/2" DEEP MASONRY BOX BY DIVISION 16
WT	WATCHTOUR PUSHBUTTON	SINGLE GANG MASONRY BOX BY DIVISION 16
(MD)	REQUEST TO EXIT MOTION DETECTOR	CONDUIT STUB OUT BY DIVISION 16
	INTERCOM STATIONS— WALL MOUNTED	2 GANG 3-1/2" DEEP MASONRY BOX BY DIVISION 16
□ _F	INTERCOM STATIONS— FRAME MOUNTED	2 GANG 3-1/2" DEEP IN FRAME BY DIVISION 11
1	INTERCOM (VOICE ACTIVATED)	SPECIAL BY DIVISION 17
1	COVERT MICROPHONE	SINGLE GANG BOX BY DIVISION 16 120VAC UPS POWER BY DIVISION 16
S S 4	PAGING SPEAKER AND PAGING HORN	SPECIAL BY DIVISION 17
	TALK-THROUGH COMMUNICATOR	LOCAL 120VAC BY DIVISION 16, HOLE IN GLASS BY OTHERS
DVD	DVD RECORDER	SINGLE GANG BOX BY DIVISION 16 EQUIPMENT LOCATED ON MILLWORK/DESK
М	CCTV MONITOR	SINGLE GANG BOX BY DIVISION 16 EQUIPMENT LOCATED ON MILLWORK/DESK OR CEILING-MOUNT
KBD	CCTV CONTROL KEYBOARD	SINGLE GANG BOX BY DIVISION 16 EQUIPMENT LOCATED ON MILLWORK/DESK
RVC	DVR REMOTE VIEWING COMPUTER	SINGLE GANG BOX BY DIVISION 16 EQUIPMENT LOCATED ON MILLWORK/DESK
+● _{VA}	VIDEO ARRAIGNMENT STATION (FUTURE)	2 GANG 3-1/2" DEEP MASONRY BOX BY DIVISION 16
+	VIDEO VISITATION STATION	2 GANG 3-1/2" DEEP MASONRY BOX BY DIVISION 16
(=	BUILDING-MOUNTED EXTERIOR PAN-TILT-ZOOM CAMERA	TWO SINGLE GANG BOX BY DIVISION 16 + HOUSING BY DIVISON 17
E	INTERIOR CAMERA WITH DETENTION STYLE HOUSING	4-SQUARE BACK BOX + 3/4" EXTENSION RING BY DIVISION 16 + HOUSING BY DIVISION 17
	EXTERIOR CAMERA WITH WEATHERPROOF HOUSING	TWO SINGLE GANG BOXES BY DIVISION 16
©	COVERT CAMERA	SINGLE GANG BOX BY DIVISION 16 120VAC UPS POWER BY DIVISION 16

UNDERSER	D AEROSPACE				
PLENUM	PLENUM.	PLENUM	NON-PLEN	'UM	
A EROSPAKE	WEST PENN	C5C	WEST FENN	CABLE SCHEDULE	
	PART Number	PART NUMBER	PART NUMBER	DESCRIPTION	
1260		111006	292 5	(2) CONDUCTOR TSP 20 AWG	
1851		112160	281 🗸	(7) CONDUCTOR UNSHIELDED 18 AWG 02 (8)	1
/363.	D25358B	110125	358 I	(3) CONDUCTOR (2 SHIELDED, 1 UNSHIELDED) 20 AWG	
22335		112102	360 grt	(4) CONDUCTOR (2) SHIELDED, (2) UNSHIELDED, 18AWG	17
24625	D25439		439 5	(4) INDIVIDUAL TSP 22 AWG EACH PR SH	
		220400	806CAM	RG-6/U CCTV CABLE	
4590		221155	815CAm	RG-59/U CCTV CABLE	
	8-9992	-	2815€€₩	RG-59/U CCTV CABLE + UNSHIELDED PAIR 18 AWG (SIA	
136204DB	2567	76.5622	4245 V	(4) UNSHIELDED TWISTED PAIR 24 AWG (CAT5	
12624040	82854	BELDEN		(4) TWISTED PAIR 24 AWG (CAT 5e) WITH OVERALL SHIEL	1 3
5754B			3105A ULT 7	(2) CONDUCTOR SHIELDED PAIR 22 AWG	1
	6121602	111302	CAM	2conductor #16	ī
1251	6121802		inf. timo, DR. BR	2 CONDUCTOR #18	1
9269			CAM	RG-59/U CCTV CABLE - PAIR 16 PULG	
1451	121804		D MD 6B	4 CONDUCTOR #18	
2711			DOORS	the same of the sa	U
17315			GEN	7#16 FOR GEN.	
	6121604		ULIT 182	4 # 16	
	Marie Carlotte Carlot	The second secon	A CONTRACTOR OF STATE	Completed to the first of the complete of the control of the contr	

NOTES: 1. PART NUMBERS ARE NON-PLENUM RATED. UTILIZE THE EQUIVALENT PLENUM RATED OR WET-LOCATION LISTED CABLE WHERE REQUIRED.

2. DO NOT SUBSTITUTE BELDEN 3105A.

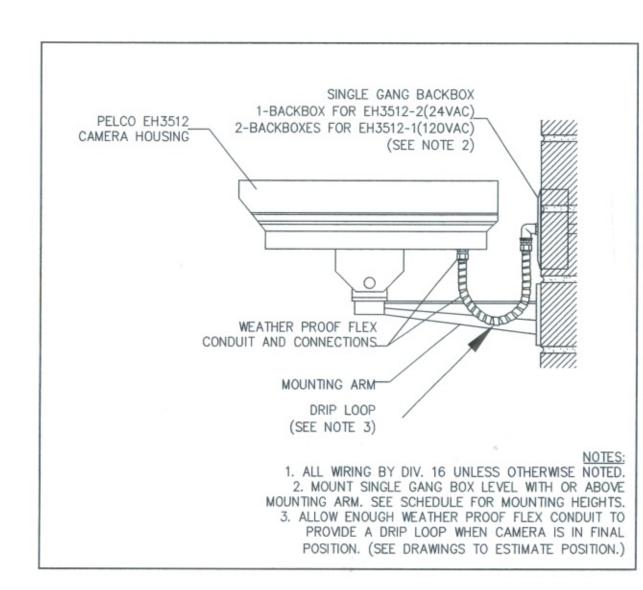
	CONTROL STATION SCHEDULE
STATION	TYPE
TCS1	19" LCD TOUCHSCREEN, 1 - CPU
TCS2*	19" LCD TOUCHSCREEN, 1 - CPU
TCS3	19" LCD TOUCHSCREEN, 1 - CPU
TCS4	19" LCD TOUCHSCREEN, 1 - CPU
VCS1	19" LCD TOUCHSCREEN, 1 - CPU

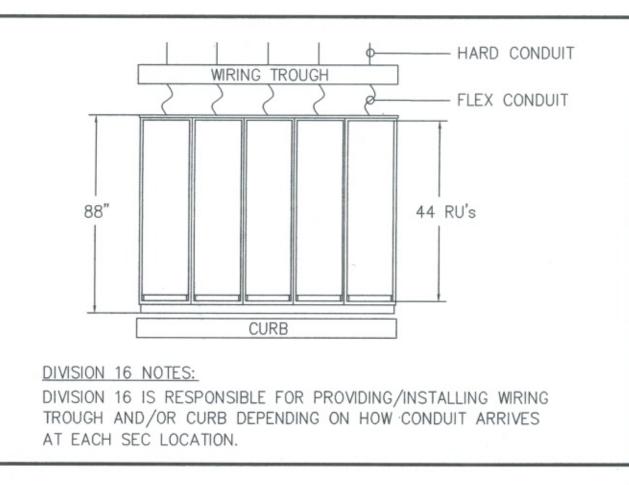
* ALSO FUNCTIONS AS VIDEO VISITATION CONTROL STATION

	EQUIPMENT SCHEDULE
ITEM	TYPE
KBD	CCTV KEYBOARD WITH PTZ FUNCTION (TYPICAL OF 3)
DVR	16-CAMERA DIGITAL VIDEO RECORDER (TYPICAL OF 7)
DVD	DVD RECORDER (TYPICAL OF 4)
SW1	8-PORT KVM SWITCH

	MONITOR SCHEDULE
MONITOR #	TYPE
1	15" LCD FLATPANEL MONITOR
2	15" LCD FLATPANEL MONITOR
3	15" LCD FLATPANEL MONITOR
4*	20" LCD FLATPANEL MONITOR
5*	20" LCD FLATPANEL MONITOR
6*	20" LCD FLATPANEL MONITOR
7*	20" LCD FLATPANEL MONITOR
8	20" LCD FLATPANEL MONITOR
9	15" LCD FLATPANEL MONITOR
10	20" LCD FLATPANEL MONITOR
11	15" LCD FLATPANEL MONITOR
12	13" COMMERCIAL COLOR CRT
13	15" LCD FLATPANEL MONITOR
14	15" LCD FLATPANEL MONITOR
15	13" COMMERCIAL COLOR CRT
16	13" COMMERCIAL COLOR CRT

* CEILING-MOUNT MONITOR





SEC DETAIL (TYPICAL) (SEC RACKS ARRIVE LATE IN PROJECT)

RELAYS CONTROLS R1-R3 PHONES, DAYROOM 14 R4-R6 PHONES, DAYROOM 14 R7-R9 PHONES, DAYROOM 14	- Annah
R4-R6 PHONES, DAYROOM 14 R7-R9 PHONES, DAYROOM 14	- Annah
R7-R9 PHONES, DAYROOM 14	20 B
	30 C
R10-RMIA PHONES, DAYROOM 14	40 D
3 R12-R135 PHONES, DAYROOM 14	
K R14-R15/8 PHONES, DAYROOM 14	60 F
7 R16-R182 PHONES, DAYROOM 14	70 6
22 R19-R214 PHONES, DAYROOM 14	80 H

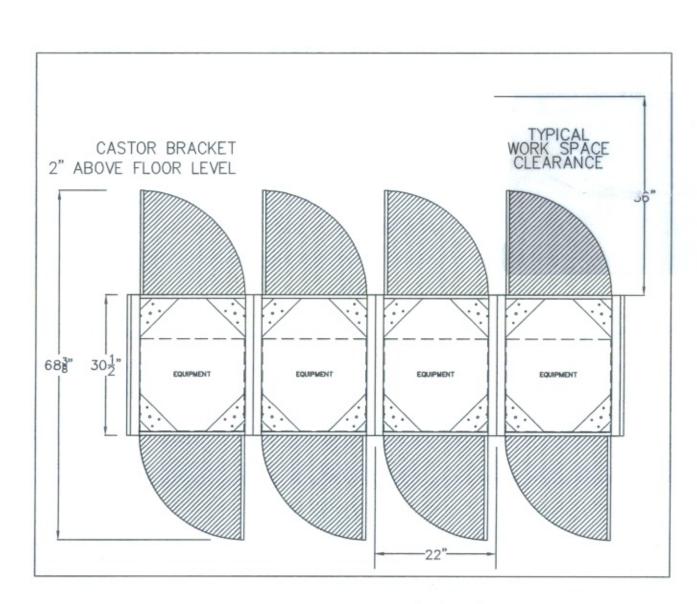
	CIRCUIT DIRE	PANEL	Utility #
	Lighting Cor	ntactor	
Relay#	Description	Panel#	Circuit
R1	Lights DAYRoom H	H2A	3
R2	Lights CELLS HI To HIZ	H2A	1
R3	Television Recept. H	L2A	14
R4	Lights DAYRoom &	H2A	7
R5	Lights DORMITORY G	H2A	5
R6	Television Recept. 6	L2A	16
R7	Lights DAYROOM F	H2A	11
R8	Lights DORMITORY F	H2A	9
R9	Television Recept. F	L2A	18
R10	Lights DAYRoom E	H2A	15
R11	Lights CELLS El TO ES		13
R12	Television Recept. E	L2A	20
R13	Lights DAYROOM D	H2A	19
R14	Lights . CELLS DI TO DE	H2A	17
R15	Televisioin Recept. D	L2A	20
R16	Lights DAYRoom C	H2A	23
R17	Lights CELLS CI 76 CB	H2A	2)
R18	Television Recept. C	L2A	24
R19	Lights DAYROOM B	H2A	27
R20	Lights DORMITORY B	H2A	25
R21	Television Recept. B	L2A	26
R22	Lights DAYRoom A	H2A	31
R23	Lights DORMITORY A		29
R24	Television Recept. A	L2A	28
R25	Lights /NO one RecREATION		33
R26	ACV-H20 in Room 1417	L2A	21
R27	ACV-H20 in Room 1485	L2A	21
R28	ACV-H20 in Room 1307	L2A	21
R29	ACV-H20 in Room 1307	L2A	21
R30	ACV-H20 in Room 1307	L2A	21
R31	ACV-H20 in Room 1307	L2A	21
R32	ACV-H20 in Room 1307	L2A	21
R33	ACV-H20 in Room 1307	L2A	21
R34	SPARE	227	21
R35	SPARE		
R36	SPARE		
R37	SPARE		
R38		-	
	SPARE	-	
R39	SPARE		
170	DIME		
DO	ME SHOULD BE LOCATED	AROVE POOF	LINE
DC	MOUNT DOME AS C		

WIRING ENTERS THROUGH THE BOTTOM OF THE MOUNT.

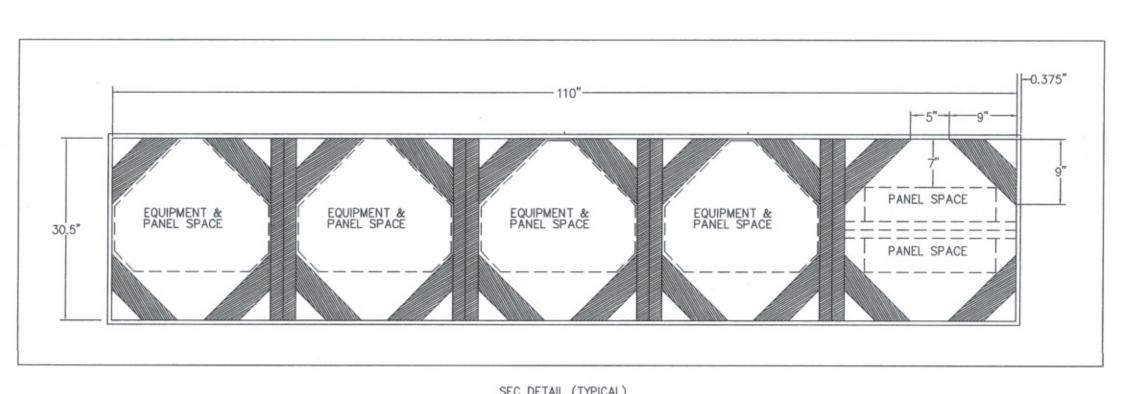
(SEAL CABLE ENTRANCE WHEN DONE)
LOCATE BACKBOX BELOW THE DOME MOUNT.

PARAPET MOUNTED PTZ DETAIL

	TAKE OVER SCHEDULE				
NO.	ACTION				
1	TCS1 AND TCS2 CAN TAKE OVER EACH OTHER AND TCS3 AND TCS4 THROUGH PASSWORDING.				
2	TCS2 ACTS AS A BACKUP STATION FOR VCS1.				
3	TCS1 AND TCS2 SHARE A TALK-BACK AMPLIFIER. TCS3, TCS4 AND VCS1 EACH HAVE THEIR OWN TALK-BACK AMPLIFIER.				
4	ALL INTERCOMS ARE SINGLE TALK PATH. LAYOUT INTERCOM REL CARDS TO LOGICALLY GROUP INTERCOMS TOGETHER FOR EACH TOUCH SCREEN LOCATION.				
5	AN INTERCOM WILL CALL THE LOCAL TOUCH SCREEN, IF ACTIVE. IF A TOUCH SCREEN IS INACTIVE FOR AN AREA, THE INTERCOM WILL ROLL OVER TO CENTRAL. IF TWO TOUCH SCREENS ARE ACTIVE FOR ONE AREA, THE INTERCOM WILL CALL BOTH. ONCE A TOUCH SCREEN IS CONNECTED TO AN INTERCOM, THE OTHER TOUCH				
	SCREEN(S) THAT CAN "SEE" THIS INTERCOM WILL SHOW THAT INTERCOM STATION AS BUSY UNTIL DISCONNECTED.				



SEC DETAIL (TYPICAL)
(EQUIPMENT FOOTPRINT/ACCESS)



SEC DETAIL (TYPICAL)
(EQUIPMENT FOOTPRINT/ACCESS)

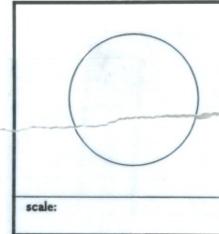
SECURITY SYSTEM SCHEDULES AND DETAILS

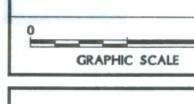
CONSULTING ENGINEERS & ARCHITECTS

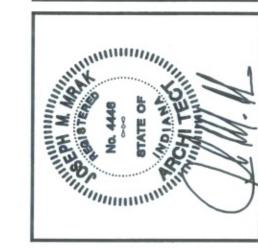
RQAW Corporation

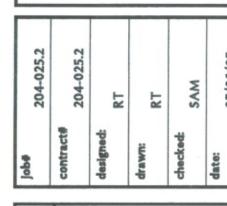
4755 Kingsway Drive, Suite 400

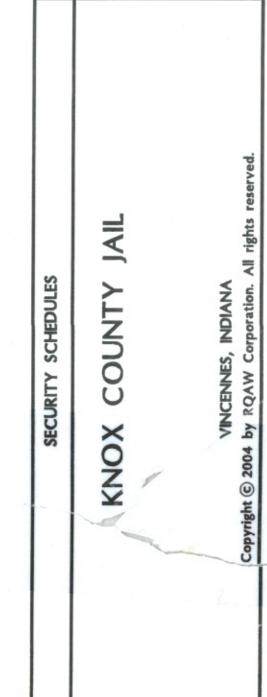


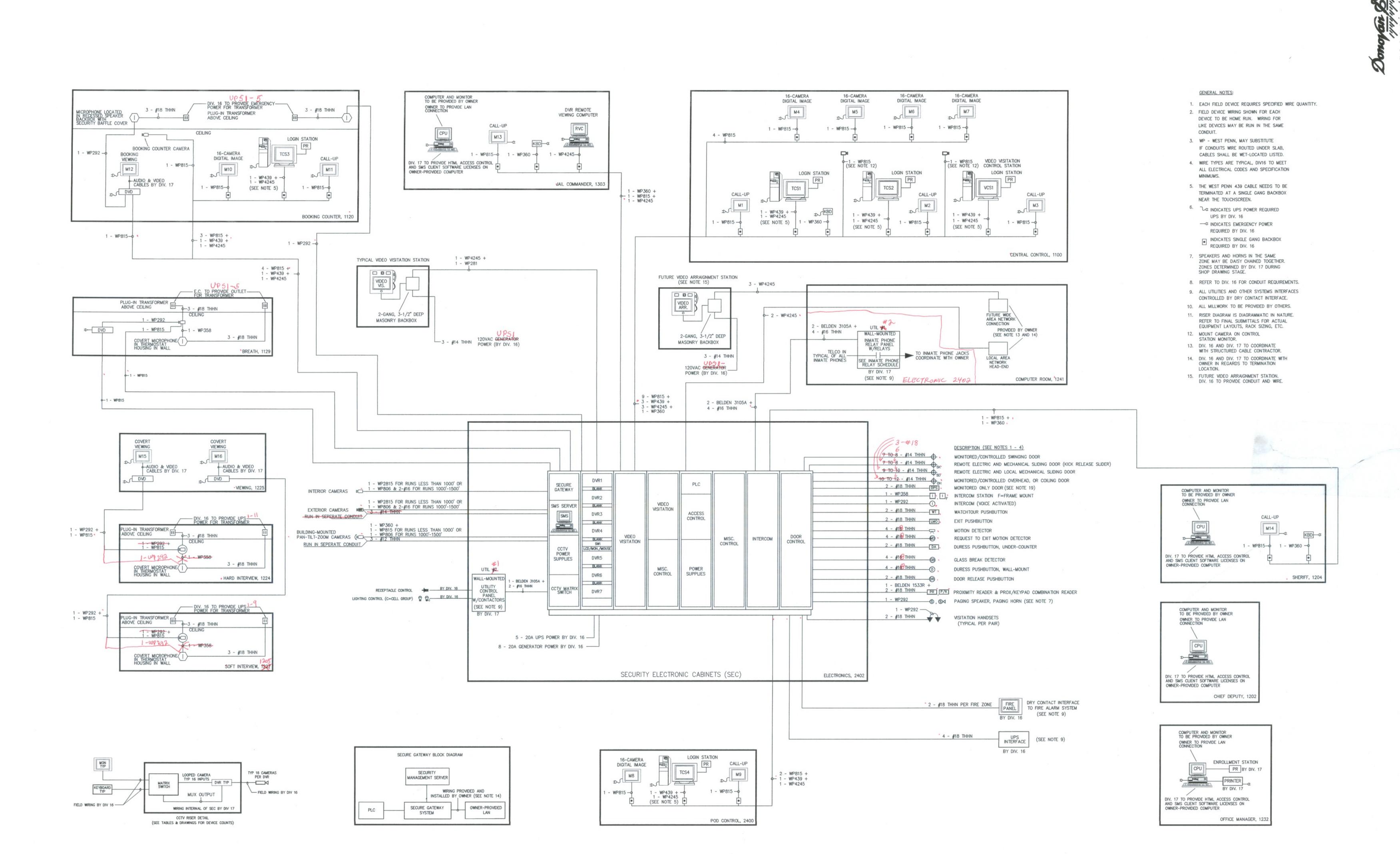












SECURITY SYSTEM RISER

vincennes, indiana 47591 812–882–0415

vincennes, indiana 47591 812–882–0415

CONSULTING ENGINEERS & ARCHITECTS

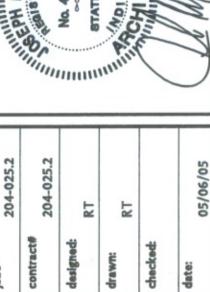
RQAW Corporation
4755 Kingsway Drive, Suite 400

Record (Syc Eng)

Automatical date

A-17-07

GRAPHIC SCALE

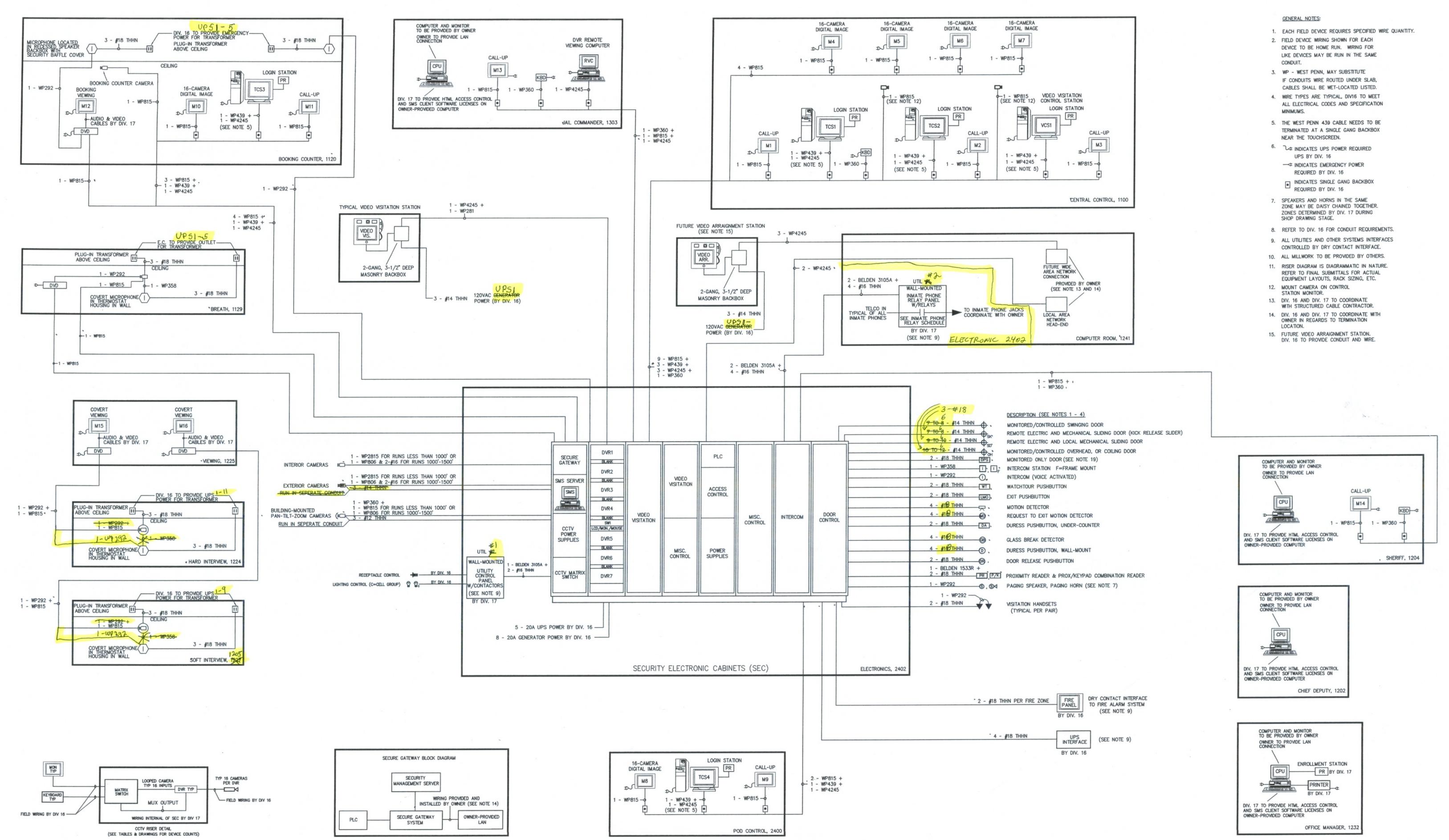


KNOX COUNTY JAIL

VINCENNES, INDIANA

E8.4

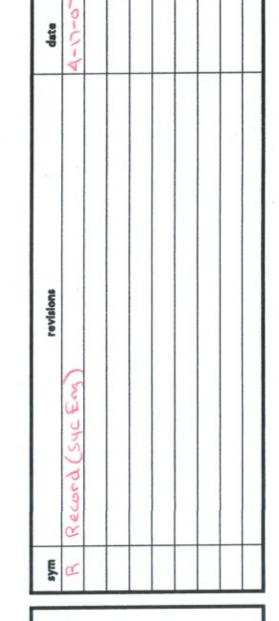


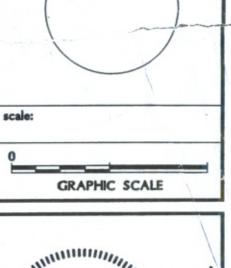


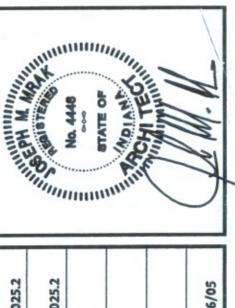
2 P.

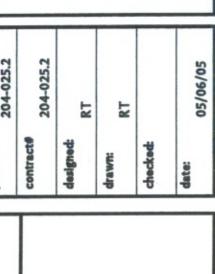
SECURITY SYSTEM RISER

CONSULTING ENGINEERS & ARCHITECTS
RQAW Corporation
4755 Kingsway Drive, Suite 400
Indianapolis, Indiana 46205-1547









KNOX COUNTY JAIL

VINCENNES, INDIANA

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E8.4

DEVICE ALLOCATIONS

IDNet #1 - (43) SMOKE DETECTORS,(15) PULL STATIONS,(22) IAMS,(23) DUCT DETECTORS,(5) HEAT DETECTORS

SIGNAL CIRCUIT #1 - (FIRST FLOOR, UNIT B) (10) AUDIBLE/VISIBLE, (0) VISIBLE ONLY SIGNALS = 1.010 AMPS SIGNAL CIRCUIT #2 - (FIRST FLOOR, UNIT B) AUDIBLE/VISIBLE, (0) VISIBLE ONLY SIGNALS = 1.472 AMPS CIRCUITS SIGNAL CIRCUIT #3 - (FIRST FLOOR, UNIT A) (10) AUDIBLE/VISIBLE, (0) VISIBLE ONLY SIGNALS = 1.010 AMPS SIGNAL CIRCUIT #4 - (FIRST FLOOR, UNIT A) (4) AUDIBLE/VISIBLE, (4) VISIBLE ONLY SIGNALS = 0.744 AMPS

SIGNAL CIRCUIT #5 - (FIRST FLOOR, UNIT A) (5) AUDIBLE/VISIBLE, (2) VISIBLE ONLY SIGNALS = 0.675 AMPS SIGNAL CIRCUIT #6 - (FIRST FLOOR, UNIT A) (5) AUDIBLE/VISIBLE, (2) VISIBLE ONLY SIGNALS = 0.675 AMPS

CIRCUITS SIGNAL CIRCUIT #7 - (FIRST FLOOR, UNIT A) (4) AUDIBLE/VISIBLE, (2) VISIBLE ONLY SIGNALS = 0.574 AMPS LSIGNAL CIRCUIT #8 - SECOND FLOOR, UNIT B) (N) AUDIBLE/VISIBLE, (1) VISIBLE ONLY SIGNALS = 0.186 AMPS

CABLE LEGEND

- M #18 GA. TWISTED, SHIELDED (WEST PENN #D975 OR EQUIVALENT)
- A #18 GA. TWISTED, SHIELDED (WEST PENN #D975 OR EQUIVALENT) & (2) #14 GA.
- P (2) #14 GA. (RED/BLACK)
- S (2) #12 GA (RED/BLACK).
- 2 (2) #14 GA.
- DH (2) #14 GA.

UL CERTIFICATE OF COMPLIANCE

THE ALARM SERVICE COMPANY IS LISTED IN THE FOLLOWING CERTIFICATE SERVICE CATEGORIES:

FILE-VOL NO. UUFX \$5242-3 23535-35 **2LUU** LISTING CATEGORY

PROTECTIVE SIGNALING SERVICES-CENTRAL STATION PROTECTIVE SIGNALING SERVICES-LOCAL, AUXILIARY,

22,000-DHM (22K, 1/4 WATT) 6,800-DHM (6.8K, 1 WATT) 1,200-DHM (1.2K, 1 WATT) 10,000-DHM (10K, 1/2 WATT) 1,000-DHM (1K, 1 WATT) 3,300-DHM (3.3K, 1 WATT) 100K, 1/2 WATT 2,200-DHM (2.2K, 1/2 WATT) RESISTUR RESISTOR RESISTOR RESISTOR RESISTOR RESISTOR RESISTOR RESISTOR

RESISTOR COLOR CODE

ENGINEERING, SERVICE, AND CONTRACTOR INFORMATION

SERVICE: TO SCHEDULE INITIAL JOB SITE VISIT, INSTALLATION SERVICES, OR FINAL CHECKOUT, PLEASE CALL:

SIMPLEX/GRINNELL AT (812) 423-9000

SPECIAL INSTRUCTIONS FOR CONTRACTOR

- 1. Very Important: Refer to NEC Article 760 for specific wire type and wiring information for nonpower-limited and power-limited fire alarm systems.
- 2. Where possible, the contractor is to use the attached color code for wiring.
- 3. Pull station mounting height shall be from 42 to 54 in. from finished floor to top of handle, and a maximum of 5 ft from exit door.
- 4. Audio/Visual and strobe units shall be 80 in above finished floor or 6 in below ceiling, whichever is lower. Visual units should not be obscured by support beams or protrusions on walls. Visual units should not be mounted within 3 ft of wall mounted lights.
- 5. Smoke detector installation must meet the following: 15 ft. from end wall and 30 ft on centers thereafter in corridors, minimum 12 in from wall or beam and minimum 36 in from supply air grill in rooms or corridors. Wall mounted smoke detectors should have a distance of 6 to 12 in from the ceiling to the top of the detector. Smoke detectors to be installed on either side of a set of fire doors should be mounted no more than 5 ft and no less than 12 in from the wall section above the door. In cases where a smoke/heat detector is installed in a room or closet, the detector should be mounted as close as possible to the center of the room.
- 6. Contractor should not install smoke detector head in bases or duct housing until final checkout time, to ensure that no dirt or dust contaminates the detector. NOTE: Where detector heads are installed and found to contain dirt or dust, this will void the warranty on the unit.
- 7. Sprinkler flow switches must be zoned separately.
- 8. When supplied, dual line digital communicators require (2) RJ31X jacks and (2) supervised phone lines, supplied by
- 9. Where fan shut down, elevator recall or special auxiliary functions are required, contractor is to verify wiring requirements with the Simplex Field serviceman assigned to the project (in many cases special wiring will not be shown on the drawings).
- 10. Do not power-up system until a Simplex Field Representative is present.
- 11. All cabinets must be grounded.
- 12. Loads greater than 10 amps (for auxiliary functions) are not allowed in the same conduit.
- 13. To help ensure a smoother running Job, please schedule a Job site visit for preliminary wiring information prior to piping or pulling wires for this project.
- 14. Also, please call one week in advance to schedule a final checkout.
- 15. See Technical Installer Support (TIS) for a list of other services and instructions.

IMPORTANT: Record drawings will be provided in accordance with specifications. However, in order for us to provide record drawings,

we require a set of marked up drawings showing conduit & wire routing, wire counts, and final device locations.

SYMBOL.	QUANTITY	QUANTITY CHECKED	DESCRIPTION	BACK BOX REQ'D.
FACP	1	6' To Top of PANEL	FIRE ALARM CONTROL PANEL STR #4100-91111	INCLUDED
FARA	2	60" ABOVE FLOOR	FIRE ALARM LCD ANNUNCIATOR STR #4606-9101	SIX GANG BOX FURNISHED BY CONTRACTOR
NAC	1		IDNET NAC EXTENDER STR #4009-9201	INCLUDED
F<	32 50	80" ABOVE FLOOR	AUDIBLE/VISIBLE SIGNAL STR# 4906-9127	4" SQUARE BOX FURNISHED BY CONTRACTOR
FKV	11	80" ABOVE FLOOR	VISIBLE DNLY SIGNAL STR# 4906-9101	4" SQUARE BOX FURNISHED BY CONTRACTOR
F	15	44" to bottom	MANUAL PULL STATION STR #4099-9001	SINGLE GANG BOX FURNISHED BY CONTRACTOR
\$€ SD	43		SMOKE DETECTOR STR #4098-9714	W/4098-9792 BASE MOUNTED TO 4" DCTAGONAL BOX FURNISHED BY CONTRACTOR
F) H135	5		HEAT DETECTOR STR #4098-9733	W/4098-9792 BASE MOUNTED TO 4" OCTAGONAL BOX FURNISHED BY CONTRACTOR
F R SD	23		DUCT DETECTOR STR #4098-9756	W/RELAY & 2098-9797 SAMPLING TUBE-ND BACK BDX MDUNTED DN DUCT
IAM	22		SUPERVISED IAM STR #4090-9001	SINGLE GANG BOX W/SINGLE GANG BLANK COVER PLATE FURNISHED BY CONTRACTOR
FS	11		WATERFLOW SWITCH (NOT BY SIMPLEX)	NDNE
TS	11		TAMPER SWITCH (NOT BY SIMPLEX)	NONE
DH	2		MAGNETIC DOOR HOLDER STR# 2088-9609	SINGLE GANG BOX FURNISHED BY CONTRACTOR
ILCP	3		I SOLATED LOOP CURCUIT PROTECTOR STR# 2081-9027	4" SQUARE BOX
RIAM	3		SUPER VISED RELAY #AM STR# 4090-9002	4" SQUARE BOX

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NO EXCEPTION TAKEN AMAKE CORRECTIONS NOTED

SUBMIT SPECIFIED ITEM

Checking is only for general conformance with the design concept of the project and general compliance with the

information given in the contract documents. Any action

specifications Contractor is responsible for dimension

which shall be confirmed and correlated at the job site;

atisfactory performance of their work

fabrication processes and techniques of construction, co-ordination of their work with that of all other trades and the

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shown is subject to the requirements of the plans and

REJECTED

REVISE AND RESUBMIT

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SYMBOL LEGEND

TECHNICAL INSTALLER SUPPORT (TIS)

TIS is designed to make the expertise of a Simplex technician available at key scheduled times during the project. This service is available during normal Simplex working hours, if scheduled five working days in advance. TIS includes the following activities by a factory trained technician, when determined by Simplex to be appropriate.

- Preconstruction review of submittals and drawings with the installer.
- Technical advice during initial start up of control panels (including transponders) before installer wiring is
- Review of panel wiring and preparation of a list of any items to be corrected by the installer.
- Initial programming of control equipment.
- Program editing to correct minor errors and omissions.
- Assistance with one complete functional test of the system.
- One training session for the owner's representative.

Additional installation support may be purchased from Simplex.

TIS contributes significantly to the installation of Simplex equipment but does not alleviate the installer's responsibility

1. Provide skilled labor and supervision to complete the project.

- 2. Review and understand Simplex instructions for installing and testing Simplex equipment.
- Potential problems can be avoided by adhering to the following:
- Do not initially start up the system, except in the presence of a Simplex technician. Simplex assumes no liability for damaged equipment, and warranty may be voided if the procedure is not followed.
- Do not install smoke detectors (unless protected by plastic bags) until final construction clean up has occurred. This prevents damage caused by dust, dirt, and paint. Detectors installed prior to clean up may require disassembly, cleaning, or replacement which is not covered by warranty.
- Care must be taken to protect equipment during the installation and warranty period. Failures due to external causes (lightening surges, construction dust, water damage, etc.) will be repaired by Simplex only upon receipt of a
- TIS includes one complete system test, which is coordinated by the installer. To avoid additional charges, the installer should schedule this test so that all appropriate parties are present.

Contract Documents.

INSTALLATION NOTES:

- DO NOT "T" TAP SIGNAL CIRCUITS.
- 2. ALL WIRING SHOWN IS BASED ON METALLIC CONDUIT (IF APPLICABLE), USE OF NON-METALLIC CONDUIT REQUIRES #12 DRAIN WIRE TO MAINTAIN CONTINUITY OF SYSTEM GROUNDS.
- ALL WIRE GAUGE AND COLOR SHOWN AS A RECOMMENDATION ONLY. EXACT REQUIRE-MENTS MUST COMPLY WITH SPECIFICATION, NATIONAL ELECTRICAL CODE, AND/OR OTHER JURISDICTIONS HAVING AUTHORITY. ALL WIRING INCLUDING SHIELDS TO BE CHECKED WITH DHM METER TO BE FREE OF
- GROUNDS. SMOKE DETECTOR HEADS MUST BE IN-STALLED FREE OF DUST OR ANY OTHER CONTAMINATION.
- CONDUIT ROUTING SHOWN FOR DIAGRAM-MATIC PURPOSE ONLY, ACTUAL ROUTING TO BE DETERMINED BY INSTALLING CON-TRACTOR AND ELECTRICIAN. NOTIFY SIMPLEX OF ANY CHANGES THAT INCREASE THE LENGTH OF SIGNAL CIRCUITS.
- 7. A SEPARATE GREEN #12 SOLID WIRE GROUND SHALL BE PROVIDED FOR ALL CONTROL CABINETS INCLUDING TRANS-PONDERS AND ANNUNCIATORS. THIS CONNECTION SHALL BE MADE TO AN APPROVED DEDICATED EARTH CONNEC-TION PER NFPA 780.

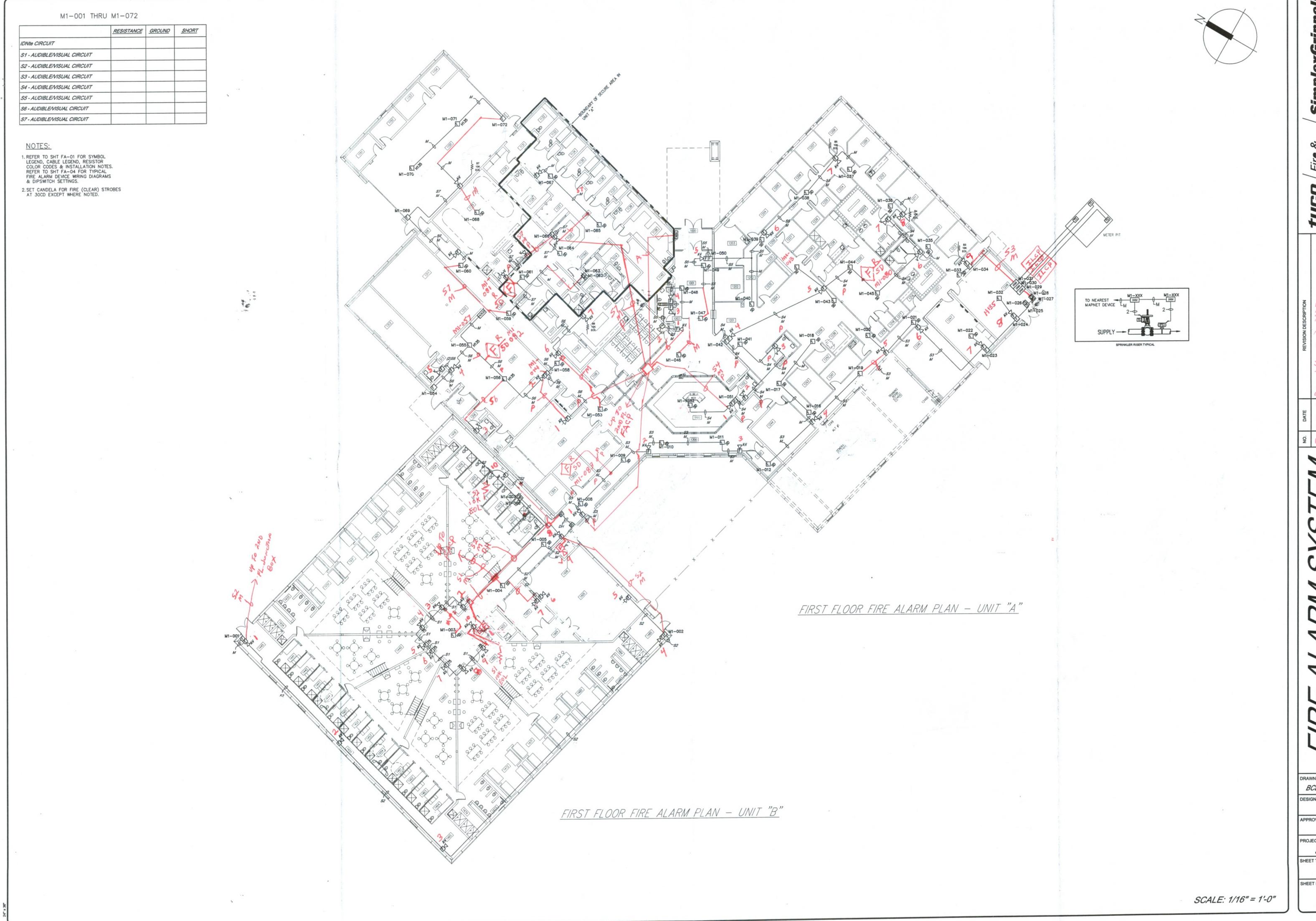
SCALE: NONE

RAWN BY: **BCLARK** 12-21-05 DESIGNED BY: DATE:

APPROVED BY: DATE:

ROJECT NUMBER: 914660701 KCJFA01

HEET NUMBER:



DRAWN BY:
BCLARK
12-21-05

DESIGNED BY:
DATE:

APPROVED BY:
DATE:

PROJECT NUMBER:
914660701
SHEET TITLE:
KCJFA02

FA02

