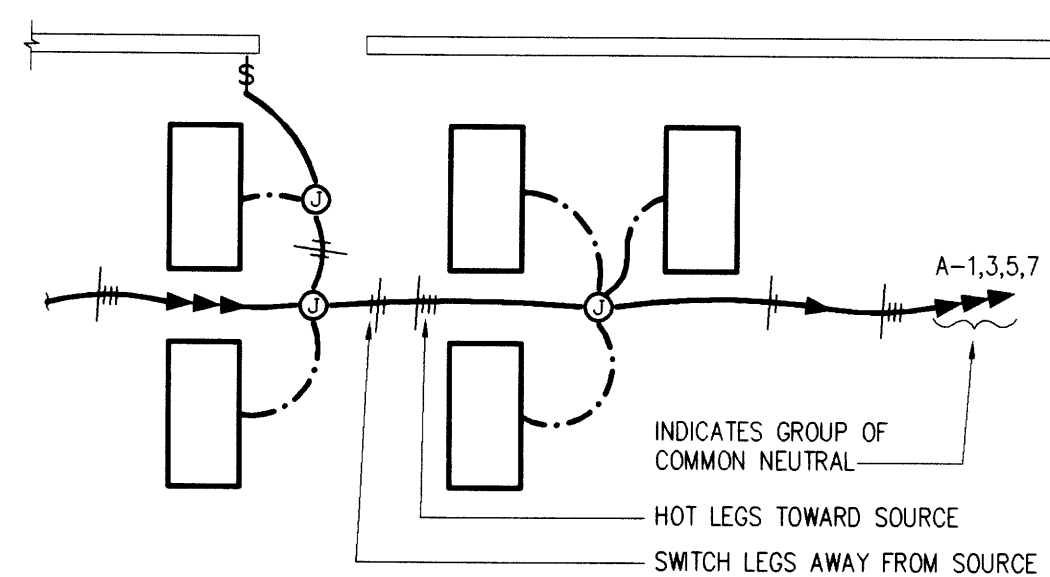
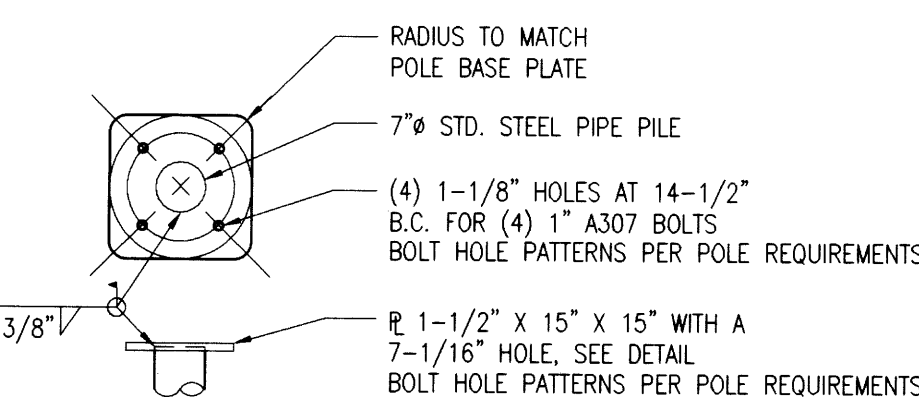
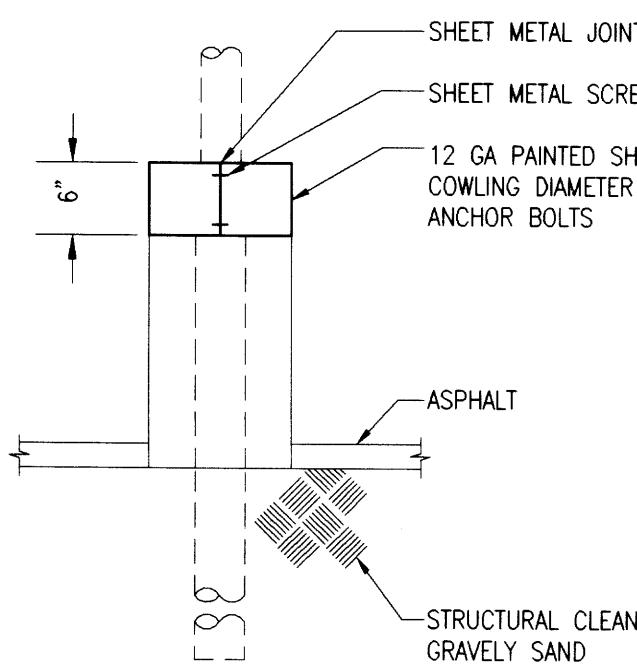
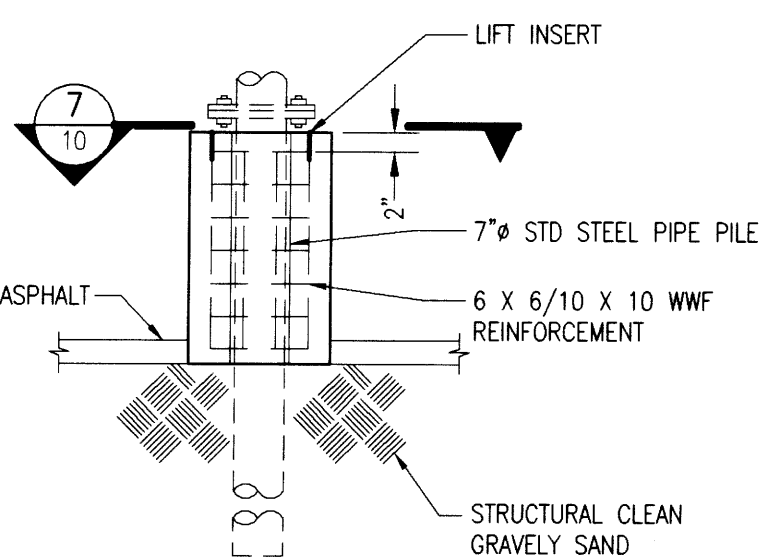


ADDENDUM TO THE QUOTE DOCUMENTS		Page: 1	Total Pages: 34
<u>Addendum No:</u> # 1		<u>Date this Addendum Issued:</u> April 19, 2024	
<u>Issuing Office:</u> Matanuska-Susitna Borough School District (MSBSD) Purchasing Department 690 Cope Industrial Way Palmer, Alaska 99645 Phone: (907) 861-5120 Facsimile: (907) 861-5184		<u>Previous Addenda Issued:</u> None 	
<u>Return Acknowledgment To:</u> Issuing Department <u>Quote Title:</u> Replace Countertops at Houston Middle School <u>Quote No:</u> Q24-18		<u>Date and Hour of Quote Due Date:</u> April 26, 2024 at 4:00 p.m.	
<p>The following corrections, changes, additions, deletions, revisions, and/or clarifications are hereby made a part of the quote documents. In case of conflicts between this addendum and previously issued documents, this addendum shall take precedence.</p> <p>Questions:</p> <p>1. Q: Are the sinks being reused or do we need to replace them?</p> <p>A: Please reuse the sinks.</p> <p>2. Q: Are you willing to consider quartz or a different material?</p> <p>A: No, for bidding purposes please quote solid surface. The successful contractor can discuss substitutions after the quote is awarded.</p> <p>3. Q: Can we get a copy of the electrical plans?</p> <p>A: Yes. Attachment E: HMS Electrical Plans is attached.</p> <p>4. Q: Can we extend the end caps over the divider wall or raise the back splash so drywall isn't exposed?</p> <p>A: Yes. The back splash can be extended to cover the drywall.</p> <p>5. Q: Do you want the countertop corners rounded or square?</p> <p>A: Please round the corners.</p> <p>6. Q: Is the dishwasher a standard dishwasher or is it going to be a commercial dishwasher?</p> <p>A: It is a standard dishwasher.</p> <p style="text-align: center;">END OF ADDENDUM #1</p>			

APPROVED BY:	Signature on File	DATE:	April 19, 2024
--------------	-------------------	-------	----------------



1. PILING SHALL BE STEEL, 7 INCH STD. ASTM A53 GR-B OR APPROVED EQUAL
2. STRUCTURAL STEEL SHALL BE ASTM A36
3. ANCHOR BOLTS SHALL BE STEEL ASTM A 307
4. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AMERICAN WELDING SOCIETY, (AWS) D1.1-86
5. PILE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS AND OBTAIN CLEARANCE FROM THE OWNER PRIOR TO BEGINNING PILE DRIVING OPERATION.
6. PILING SHALL BE DRIVEN TO A MINIMUM DEPTH OF 15 FEET BELOW THE FINISH GRADE INTO SANDY-ROCKY TYPE STRUCTURAL SOIL.
7. PILING SHALL BE DRIVEN TO A VERTICAL TOLERANCE OF 1/4" PER 10 FEET OF VERTICAL AND TO A HORIZONTAL TOLERANCE OF 1 INCH
8. SPLICES IN THE PILING PIPE SHALL BE MADE USING A QUALIFIED WELDING PROCEDURE IN ACCORDANCE WITH ASTM B31.1 USING P3 PROCEDURE (7018 R01 7018 INTER AND CAP)
9. CONCRETE SHALL ATTAIN A 28 DAY COMPRESSIVE STRENGTH OF 2500 PSI
10. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185

TYPE	DESCRIPTION	LAMPS	BALLAST	MOUNTING
A2	LITHONIA ZSP96-232-RN-A12125-277V 2'x4', 2-LAMP, STATIC GRID TROFFER WITH REGRESSED NATURAL ALUMINUM DOOR FRAME	2-F32T8	T8 RAPID START NORMAL OUTPUT	RECESSED CEILING
A3	LITHONIA ZSP96-332-RN-A12125-277V 2'x4', 3-LAMP, STATIC GRID TROFFER, BI-LEVEL SWITCHING WITH REGRESSED NATURAL ALUMINUM DOOR FRAME	3-F32T8	T8 RAPID START NORMAL OUTPUT	RECESSED CEILING
A4	LITHONIA ZSP96-432-RN-A12125-277V 2'x4', 4-LAMP, STATIC GRID TROFFER WITH REGRESSED NATURAL ALUMINUM DOOR FRAME	4-F32T8	T8 RAPID START NORMAL OUTPUT	RECESSED CEILING
B2	LITHONIA DM-232-AR-277V 1'x4', 2-LAMP, DUST/DAMP, HIGH IMPACT ACRYLIC LENS	2-F32T8	T8 RAPID START NORMAL OUTPUT	SURFACE CEILING
C	LITECONTROL BSN2XT8-CWM-F-BW-ELB10-0P-277V LENGTH (3' OR 4') AS SHOWN OR REQUIRED, PROVIDE STRAIGHT EXTENSION AS REQUIRED	2-F32T8	T8 RAPID START NORMAL OUTPUT	REFER TO MFG RECOMMENDATIONS SEE NOTE 5
C3	LITHONIA ZPM3-G-8-332-18LD-277V 2'x4', 3-LAMP, 18 CELL PARABOLIC TROFFER, BI-LEVEL SWITCHING	3-F32T8	T8 RAPID START NORMAL OUTPUT	RECESSED CEILING
CF	LITHONIA ZPM3-F-8-332-18LD-277V 2'x4', 3-LAMP, 18 CELL PARABOLIC, FLANGED TROFFER, BI-LEVEL SWITCH	3-F32T8	T8 RAPID START NORMAL OUTPUT	FLANGED CEILING
D	ZUMTOBEL STAFF S506308-S2-6308R-WC-DT6-100 6" DIAMETER, 1 LAMP, OPEN RECESSED DOWNLIGHT WITH PATTERNED STIPPLE DECORATIVE TRIM	1-CFL32 TRIPLE	T4 COMPACT FLUORESCENT NORMAL OUTPUT	RECESSED CEILING
G	LITHONIA AYV-32TR1-8AR-277 8" DIAMETER, OPEN RECESSED DOWNLIGHT VERTICAL LAMP TB-TUBE	1-CFL32 TRIPLE	T4 COMPACT FLUORESCENT NORMAL OUTPUT	RECESSED CEILING
H	LITHONIA THR-400M-P42Z-277-FWG 400 WATT METAL HALIDE, HI-BAY, 22 INCH OPEN ACRYLIC REFRACTOR, FULL WIRE GUARD	1-400W MH	SCWA	PENDANT DOWN 6" ABOVE BOTTOM OF TRUSS
J	LITHONIA SPF-232-RN-A12125-277V 1'x4', 2 LAMP, FLANGED TROFFER, 0.125" ACRYLIC LENS WITH REGRESSED NATURAL ALUMINUM DOOR FRAME	2-F32T8	T8 RAPID START NORMAL OUTPUT	FLANGED CEILING
K	LITHONIA LB-232-277V 10'x4', 2 LAMP, LOW PROFILE WRAPAROUND	2-F32T8	T8 RAPID START NORMAL OUTPUT	SURFACE CEILING
K4	LITHONIA LB-432-277V 16'x4', 4 LAMP, LOW PROFILE WRAPAROUND	4-F32T8	T8 RAPID START NORMAL OUTPUT	SEE NOTE 4
L	LITHONIA POULSEN LOUVRE PHL-168-WHITE-400MH-277V 24 INCH DIAMETER DECORATIVE PENDANT	1-400W MH	SCWA	PENDANT +21"-0" AFF, L
L2	SAME AS L, EXCEPT 120V	1-400W MH	SCWA	PENDANT +18"-0" AFF, L
LW	LITHONIA POULSEN OSLO OSW-173-WHITE-277V 1 LAMP, WALL SCONCE	1-CFL18W	T4 COMPACT FLUORESCENT NORMAL OUTPUT	WALL MOUNT +19"-0" AFF
M	LITHONIA C-232-277-WGC 4', 2 LAMP, STRIP LIGHT, WIRE GUARD	2-F32T8	T8 RAPID START NORMAL OUTPUT	SURFACE OR PENDANT AS INDICATED SEE NOTE 4
N	LINEAR RONDALITE R7-B-1/1-ETB-277-RA/RA-WMT-BW-N0-4 4', 2 LAMP, 1UP/1DOWN, 7" DIAMETER WALL MOUNT, LENSED	2-F32T8	T8 RAPID START NORMAL OUTPUT	WALL MOUNT 9"-0" AFF
R	VISA C83014-2F13-C8-IL-277 8" DIAMETER, 2 LAMP, WHITE WALL SCONCE WITH CHROME TRIM RING AND TEMPLERD GLASS TOP LENS	2-CFL13W	T4 COMPACT FLUORESCENT NORMAL OUTPUT	WALL MOUNT +6"-0" AFF
S	LITHONIA AVANTE 2AY-232-MDR-277 2'x4', 2 LAMP, DIRECT/NONDIRECT, ROUND HOLE METAL DIFFUSER	2-F32T8	T8 RAPID START NORMAL OUTPUT	RECESSED CEILING
W	LITHONIA MW-432-AR-277V 4 LAMP, 17"x4", STRAIGHT SIDE SURFACE WRAP, HIGH IMPACT ACRYLIC LENS	4-F32T8	T8 RAPID START NORMAL OUTPUT	SURFACE CEILING
Z	LITHONIA SRT-F-232-FN-A12125V-277V 1'x4', 2-LAMP, SEALED INVERTED ACRYLIC LENS, NATURAL ALUMINUM FRAME, WET LOCATION RATED, FLANGED TROFFER	2-F32T8	T8 RAPID START NORMAL OUTPUT	FLANGED CEILING
AB	LITHONIA SRTI-G-432-FN-A12125V-277V-FSA 2'x4', 4-LAMP, SEALED INVERTED ACRYLIC LENS, NATURAL ALUMINUM FRAME, FOOD SERVICE RATED, GRID TROFFER	4-F32T8	T8 RAPID START NORMAL OUTPUT	RECESSED CEILING
AD	LITHONIA GPV-400M-9A-277V 2'x2', 400M, RECESSED, METAL HALIDE, 9-CELL PARABOLIC GRID TROFFER	1-400W MH	SCWA	RECESSED CEILING
AD	LITHONIA GPV-175W-9A-277V 2'x2', 175W, RECESSED, METAL HALIDE, 9-CELL PARABOLIC GRID TROFFER	1-175W MH	SCWA	RECESSED CEILING
AF	LITHONIA ZSP9F-332-RN-A12125-277V 2'x4', 3-LAMP, STATIC FLANGED TROFFER WITH REGRESSED NATURAL ALUMINUM DOOR FRAME	3-F32T8	T8 RAPID START NORMAL OUTPUT	FLANGED CEILING
EX	DUAL-LITE LCKGW-VR-I GREEN LED EXIT, VANDAL RESISTANT, CAST ALUMINUM. SELF DIAGNOSTICS, 120/277V, NUMBER OF FACES AND CHEVRONS AS SHOWN ON DRAWINGS	WITH FIXTURE		WALL OR CEILING
XA	EMERGO-LITE PRO-2PFP-VR-277 EMERGENCY LIGHT FIXTURE, POLYCARBONATE VANDAL RESISTANT LENS, SELF DIAGNOSTICS	WITH FIXTURE		WALL OR CEILING
XB	CONCEAITE G1-2-20-2-NS 2-LAMP, SELF CONTAINED LIGHTING SYSTEM, "I" GRID INSTALLATION	20W QUARTZ HALOGEN		RECESSED CEILING
XC	CONCEAITE G1-6-20-2-NS 6-LAMP, SELF CONTAINED LIGHTING SYSTEM, "I" GRID INSTALLATION	20W QUARTZ HALOGEN		RECESSED CEILING
SA	LITHONIA KSE2-400S-R3-480-RP09-9 400W, HPS EXTRUDED SHOE BOX, SEGMENTED REFLECTOR TYPE 3 DISTRIBUTION, VANDAL RESISTANT GUARD, ROUND STEEL POLE, STANDARD COLOR AS SELECTED BY ARCHITECT	1-400W HPS	CWA	POLE 30'
SB	LITHONIA KSE2-400S-R3-480-RP09-9 400W, HPS EXTRUDED SHOE BOX, SEGMENTED REFLECTOR TYPE 3 DISTRIBUTION, VANDAL RESISTANT GUARD, ROUND STEEL POLE, STANDARD COLOR AS SELECTED BY ARCHITECT	1-400W HPS	CWA	POLE 40'
SC	LOUIS POULSEN ORBITER MAX1 ORP-MAX-585-277V-WET LOCATION 100W HPS, 19" DIAMETER	1-100W HPS	CWA	PENDANT +19"-0" AFF
SD	LUARK HPW-PC-10CH-277 100W HPS, 12" SQUARE, WHITE POLYCARBONATE LENS	1-100W HPS	CWA	SEMI-RECESSED WALL OR CEILING AS SHOWN

1. REFER TO SPECIFICATION SECTIONS 16500 AND 16501 FOR ADDITIONAL REQUIREMENTS REGARDING LIGHTING FIXTURES.
2. PROVIDE AN UNSWITCHED CIRCUIT CONNECTION (CIRCUIT AS NOTED ON DRAWINGS) TO ALL EXIT SIGNS AND NIGHT LIGHT FIXTURES.
3. "O" AFTER FIXTURE TYPE DENOTES FIXTURE EQUIPPED WITH QUARTZ RESTRIKE OPTION.
4. SURFACE CEILING MOUNT FIXTURES IN ROOM/AREAS WITH CEILINGS IN AREAS WITHOUT CEILING PENDANT FIXTURES DOWN TO BOTTOM OF STRUCTURE. IN AREAS WITH MECHANICAL EQUIPMENT, DUCTWORK AND PIPING, PROVIDE FIXTURES DOWN TO BOTTOM OF MECHANICAL DUCTWORK OR PIPING AS APPROPRIATE. FIXTURE PENDANTS SHALL BE RIGID (THREADED HANGAR RODS) AND SHALL BE SWAY BRACED WHERE PENDANTS EXCEED 24 INCHES IN LENGTH.
5. PROVIDE EXTENSIONS, CORNERS, AND END PIECES FOR A CONTINUOUS WALL SLOT AS SHOWN ON DRAWINGS.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FLUORESCENT LIGHTING FIXTURE		SPECIAL PURPOSE RECEPTACLE, NEW TYPE AS NOTED
	STANDBY LIGHT - SWITCHED		MULTI-OUTLET RACEWAY, WRENOLD® 3000 SERIES (DEVICES AS SHOWN)
	NIGHT LIGHT, NL		MULTI-OUTLET RACEWAY, WRENOLD® 4000 SERIES (DEVICES AS SHOWN)
	WALL MOUNTED FLUORESCENT STRIP LIGHTING FIXTURE		LINE CONVENTION - EXISTING ITEM TO REMAIN
	INC. FLUORESCENT OR HD LTG. FIXTURE, SURFACE MOUNTED		LINE CONVENTION - ITEM TO BE DEMANDED
	INC. FLUORESCENT OR HD LTG. FIXTURE, RECESSED MOUNTED		LINE CONVENTION - NEW OR REINSTATEL ITEM
	INC. FLUORESCENT OR HD LTG. FIXTURE, WALL MOUNTED		MOTOR
	CEILING MOUNTED EXIT FIXTURE (FIXTURE TYPE EX), ARROWS AS NOTED		FUSE DISCONNECT, SIZE TO CONNECTED LOAD
	WALL MOUNTED EXIT FIXTURE (FIXTURE TYPE EX), ARROWS AS NOTED		STARTER OR CONTACTOR, SIZE TO CONNECTED LOAD
	EMERGENCY LIGHTING FIXTURE (FIXTURE TYPE XA)		NON-FUSE DISCONNECT
	PHOTOCELL		JUNCTION BOX AND/OR CONNECTION TO EQUIPMENT
	SINGLE POLE SWITCH, +48° A.F.F.		RELAY COIL
	THREE-WAY SWITCH, +48° A.F.F.		NORMALLY OPEN CONTACT
	FOUR-WAY SWITCH, +48° A.F.F.		NORMALLY CLOSED CONTACT
	SWITCH FOR FIXTURES WARDED 0°, +48° A.F.F.		METERING DEVICE
	DIMMER SWITCH, +48° A.F.F.		PANEL
	OCCUPANCY SENSOR/SWITCH, WALL MOUNTED, +48° A.F.F.		FIRE ALARM CONTROL PANEL - "TACP"
	KEYED SWITCH, +48° A.F.F.		TELECOMMUNICATION TERMINAL BOARD
	SWITCH, THERMAL TRIP WITH HEATER		HEARING IMPAIRED INFRARED RADIATOR, SEE SPECIFICATION SECTION 1666
	PUSH BUTTON OPERATOR FOR AUTODOOR		
	ANALOG CLOCK		
	ANALOG CLOCK/SPEAKER UNIT		
	DIGITAL CLOCK/SPEAKER UNIT		TELECOMMUNICATION OUTLET - X DENOTES # OF PORTS IN OUTLET IF OTHER THAN 2
	EMERGENCY CALL IN STATION		TELECOMMUNICATION OUTLET IN FLOOR
	INTERCOM CALL IN STATION		INTERCOM ADMINISTRATIVE PHONE
	SPEAKER		INTERCOM STAFF PHONE
	MICROPHONE, OUTLET, WALL MOUNTED		TELEVISION OUTLET, +90° A.F.F. UON
	MICROPHONE, OUTLET, PENDANT HUNG FROM CEILING		CONCEALED CIRCUIT
	MICROPHONE, OUTLET, IN FLOOR		CONCEALED CIRCUIT IN FLOOR OR UNDERGROUND
	OCCUPANCY SENSOR		EXPOSED CIRCUIT
	FIRE ALARM MANUAL PULL STATION		FLEXIBLE CONDUIT CONNECTION
	FIRE ALARM HORN/STROKE		BRANCH CIRCUIT HOME RUN TO PANELBOARD - NO. OF ARROWS INDICATE NO. OF CIRCUITS, PANEL & CIRCUIT NO. 5 AS INDICATED. 6 CLASSES INDICATE NO. OF WIRES IF MORE THAN 2.
	FIRE ALARM STROBE		NUMBER OF CONDUCTORS IN RACEWAY (NOT COUNTING GROUNDING CONDUCTORS) ABSENCE OF MARKS INDICATES TWO CONDUCTORS, PLUS ANY REQUIRED GROUNDS.
	MULTI-TECHNOLOGY SMOKE SENSOR/DETECTOR		GROUNDING CONDUCTOR
	PHOTO-ELECTRIC SMOKE SENSOR/DETECTOR		REFERENCED NOTE IN DRAWING
	HEAT SENSOR/DETECTOR		GENERAL NOTE ON DRAWING
	FIRE TEMPERATURE HEAT DETECTOR		EQUIPMENT LIST OVALS
	DOOR HOLDER/HOLDER		ABOVE FINISH FLOOR
	MAGNETIC DOOR HOLDER		CIRCUIT
	FLOW SWITCH		CONDUIT ONLY
	TAMPER SWITCH		EXISTING
	DOOR SECURITY CONTACT		EMERGENCY LIGHT
	SECURITY ACCESS KEYPAD		FIRE ALARM CONTROL PANEL
	SECURITY INFRARED MOTION DETECTOR - LONG RANGE		FIRE ALARM ANNUNCIATOR
	SECURITY INFRARED MOTION DETECTOR - WIDE RANGE		IN ACCORDANCE WITH
	DUPLEX RECEPTACLE, 20 AMP, +16° A.F.F.		NIGHT LIGHT
	GROUND FAULT INTERRUPTER, DUPLEX RECEPTACLE, 20 AMP		OWNER FURNISHED, OWNER INSTALLED
	DUPLEX RECEPTACLE, 20 AMP, +90° A.F.F., UON		STANDBY NIGHT LIGHT
	DUPLEX RECEPTACLE, 20 AMP, PROTECTED BY A GFCI SWITCH		TELECOMMUNICATION
	COMPUTER SERVICE DUPLEX RECEPTACLE, 20 AMP, +16° A.F.F. (POWERED FROM COMPUTER POWER PANEL)		UNCOMMONLY SPECIFIED NOTE
	DOUBLE DUPLEX		VARIABLE SPEED DRIVE
	DUPLEX RECEPTACLE, 20 AMP		WEATHERPROOF
	GFCI SWITCH 20 AMP, 125V, PASS & SEWOUR, CAT. NO. 2081-S, OR AS APPROVED		METAL GUARD
	RANGE RECEPTACLE - 50 AMP/250 VOLT		FIRE SMOKE DAMPER
	PENDANT HUNG DOUBLE DUPLEX RECEPTACLE		MOTOR CONTROL PROTECTOR
	WEATHERPROOF PAING SPEAKER, WALL MOUNTED		THERMAL MAGNETIC BREAKER
	DUPLEX RECEPTACLE IN FLOOR - 20 AMP		

NOTE: THIS IS A STANDARD LEGEND, SOME OF THE SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY ON THE DRAWING.

0501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Discipline	Sheet No
-------------------	-----------------

THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.

0.01

LOAD CALCULATION - MDP 480V/277 VOLTS, 3-PH, 4-W 2000 AMP MAIN BREAKER				NEMA 1 A.I.C. RATING PER POWER ONE-LINE AND SPECIFICATIONS				FOR LOAD CALCULATION PURPOSES ONLY: SEE ONE-LINE DIAGRAM FOR SWITCHBOARD REQUIREMENTS			
CIRCUIT DESCRIPTION		KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION		
PANEL	- L4A (NEC LOAD)	64.48	200	3	14--2	18.89	200	3	PANEL	- L4B (NEC LOAD)	
---	---	---	---	---	3--4	---	---	---	---	---	
---	---	---	---	---	5--6	---	---	---	---	---	
PANEL	- L4F (NEC LOAD)	16.37	200	3	74--8	43.11	200	3	PANEL	- L4G (NEC LOAD)	
---	---	---	---	---	9--10	---	---	---	---	---	
---	---	---	---	---	11--12	---	---	---	---	---	
PANEL	- L4H (NEC LOAD)	34.65	200	3	134--14	97.10	200	3	PANEL	- K4A (NEC LOAD)	
---	---	---	---	---	15--16	---	---	---	---	---	
---	---	---	---	---	17--18	---	---	---	---	---	
SPARE	---	---	200	3	194--20	18.34	100	3	PANEL	- E4A (NEC LOAD)	
---	---	---	---	---	21--22	---	---	---	VIA ATIS-E	---	
---	---	---	---	---	23--24	---	---	---	---	---	
PANEL	- D2A (NEC LOAD)	382.31	750	3	254--26	203.15	450	3	PANEL	- SDP (NEC LOAD)	
VIA 400 KVA TRANSFORMER	---	---	---	---	27--28	---	---	---	VIA ATIS-S	---	
---	---	---	---	---	29--30	---	---	---	---	---	
MOTOR CONTROL CENTER	- MCCN4A	87.96	200	3	314--32	24.43	200	3	MOTOR CONTROL CENTER	- MCCN4B	
---	---	---	---	---	33--34	---	---	---	---	---	
---	---	---	---	---	35--36	---	---	---	---	---	
MOTOR CONTROL CENTER	- MCCN4C	43.46	200	3	37--38	---	---	---	---	---	
---	---	---	---	---	39--40	---	---	---	---	---	
---	---	---	---	---	41--42	---	---	---	---	---	
CONNECTED LOADS -		A 344.7	KVA					39 POLE SPACES USED			
-		B 344.7									
-		C 344.7									
TOTAL NEC CONNECTED LOADS -		ALL 1034.2	=	1244 AMPS				480 VOLTS, 3-PHASE			
TOTAL NEC LOAD		1034.2	=	1244 AMPS							

PANEL SCHEDULE - N2C 208V/120 VOLTS, 3-PH, 4-W 225 AMP LUG		NEMA 1 10,000 A.I.C. RATING		FLUSH MOUNTED				DOUBLE MAIN LUGS	
CIRCUIT DESCRIPTION	KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION	
RECEPTS CLASSROOM C213	0.54	20	1	1+--2	0.54	20	1	RECEPTS CLASSROOM C212	
RECEPTS CLASSROOM C213	0.72	20	1	3+--4	0.72	20	1	RECEPTS CLASSROOM C212	
RECEPTS CLASSROOM C211	0.72	20	1	5+--6	0.54	20	1	RECEPTS CLASSROOM C210	
RECEPTS CLASSROOM C211	0.72	20	1	7+--8	0.72	20	1	RECEPTS CLASSROOM C210	
RECEPTS CLASSROOM C211	0.72	20	1	9+--10	0.54	20	1	RECEPTS CLASSROOM C210	
RECEPTS CLASSROOM C211	0.72	20	1	11+--12	0.72	20	1	RECEPTS CLASSROOM C208	
RECEPTS CLASSROOM C211	0.72	20	1	13+--14	0.54	20	1	RECEPTS CLASSROOM C204	
RECEPTS CLASSROOM C211	0.54	20	1	15+--16	0.72	20	1	RECEPTS CLASSROOM C204	
RECEPTS PREP RM C209A REFRIGERATOR	1.50	20	1	17+--18	0.54	20	1	RECEPTS ISS C202	
RECEPTS PREP RM C209A	0.72	20	1	19+--20	0.54	20	1	RECEPTS ISS C202, C200C	
RECEPTS PREP RM C209A	0.72	20	1	21+--22	0.72	20	1	RECEPTS TEACHER WORKROOM C208A	
RECEPTS PREP RM C209A	1.08	20	1	23+--24	1.50	20	1	RECEPTS C208A REFRIGERATOR	
RECEPTS CLASSROOM C207	0.72	20	1	25+--26	1.50	20	1	MICROWAVE TEACHER WORKROOM C208A	
RECEPTS CLASSROOM C207	0.72	20	1	27+--28	0.90	20	1	RECEPTS TEACHER WORKROOM C208A,B,C	
RECEPTS CLASSROOM C207	0.72	20	1	29+--30	1.00	20	1	COPIER WORKROOM C208A	
RECEPTS CLASSROOM C207	0.72	20	1	31+--32	0.54	20	1	RECEPTS C200 CORRIDOR	
RECEPTS CLASSROOM C207	0.72	20	1	33+--34	0.70	20	1	FUME HOOD LTG. RECEPTS BIOLOGY C211	
RECEPTS PREP RM C205A	0.72	20	1	35+--36	0.70	20	1	GOOGLE CABINET BIOLOGY C211	
RECEPTS PREP RM C205A	0.72	20	1	37+--38	1.40	20	1	GOOGLE CABINET PHYSICS C207, CHEM C203	
RECEPTS PREP RM C205A	0.72	20	1	39+--40	1.44	20	1	FIRE SMOKE DAMPERS	
RECEPTS PREP RM REFRIG.	1.50	20	1	41+--42	1.44	20	1	FIRE SMOKE DAMPERS	
CONNECTED LOADS - A 10.6 KVA - B 10.6 - C 10.6		=		96 AMPS		208 VOLTS, 3-PHASE			
TOTAL CONNECTED LOADS - ALL 34.6		=		96 AMPS		208 VOLTS, 3-PHASE			
TOTAL NEC LOAD 26.7		=		74 AMPS		208 VOLTS, 3-PHASE			
NEC LOAD THIS PANEL N2C 26.7 KVA		=		154 AMPS		208 VOLTS, 3-PHASE			
NEC LOAD DOWNSTREAM PANEL N2D 28.7		=		154 AMPS		208 VOLTS, 3-PHASE			
TOTAL NEC LOAD 55.4		=		154 AMPS		208 VOLTS, 3-PHASE			

PANEL SCHEDULE - N2G 208V/120 VOLTS, 3-PH, 4-W 225 AMP LUG		NEMA 1 10,000 A.I.C. RATING		FLUSH MOUNTED				
CIRCUIT DESCRIPTION	KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION
VENDING MACHINE HALLWAY B100B	1.00	20	1	14--2	0.54	20	1	RECEPTS GYM ANNOUNCER BOX
VENDING MACHINE HALLWAY B100B	1.00	20	1	3--4	0.54	20	1	RECEPTS OFF. B110B
VENDING MACHINE HALLWAY B100B	1.00	20	1	5--6	1.50	20	1	RECEPTS CONCESSIONS B112 - REFRIGERATOR
VENDING MACHINE HALLWAY B100B	1.00	20	1	7--8	1.50	20	1	RECEPTS CONCESSIONS B112 - REFRIGERATOR
VENDING MACHINE HALLWAY B100B	1.00	20	1	9--10	1.20	20	1	RECEPTS CONCESSIONS B112 - POPCORN
RECEPTS CORRIDOR B100B, A100B, A100G	0.72	20	1	11--12	1.20	20	1	RECEPTS CONCESSIONS B112 - POPCORN
RECEPTS CORRIDOR B100B, A100B, A100G	0.54	20	1	13--14	0.36	20	1	RECEPTS CONCESSIONS B112
RECEPTS WOMEN'S B102B,C	0.54	20	1	15--16	0.36	20	1	RECEPTS CONCESSIONS B112
RECEPTS WOMEN'S B102B,C	0.54	20	1	17--18	0.36	20	1	RECEPTS CONCESSIONS B112
RECEPTS OFFICE B102G, TOILET B102J	0.54	20	1	19--20	0.36	20	1	RECEPTS CONCESSIONS B112
RECEPTS GYM B101	0.54	20	1	21--22	0.36	20	1	RECEPTS CONCESSIONS B112
RECEPTS GYM B101	0.54	20	1	23--24	0.36	20	1	RECEPTS CONCESSIONS B112
RECEPTS GYM B101	0.54	20	1	25--26	0.36	20	1	RECEPTS CONCESSIONS B112
RECEPTS GYM B101, HALLWAY B103H	0.72	20	1	27--28	0.54	20	1	RECEPTS FLEX RM B111
RECEPTS MAT RM B10B	0.54	20	1	29--30	0.36	20	1	RECEPTS FLEX RM B111
RECEPTS MAT RM B10B	0.54	20	1	31--32	1.58	20	1	EF-13, EF-19, ROOFTOP RECEPTS
RECEPTS WEIGHT RM B109	0.54	20	1	33--34	0.36	20	1	SPARE
RECEPTS WEIGHT RM B109	0.54	20	1	35--36	0.36	20	1	SPARE
RECEPTS GYM, PA RACK	0.68	20	1	37--38	0.36	20	1	SPARE
SPARE	20	1	39--40	0.36	0.36	20	1	SPARE
SPARE	20	1	41--42	0.36	0.36	20	1	SPARE
CONNECTED LOADS - A 9.5 KVA - B 7.5 - C 7.5		=		69 AMPS		208 VOLTS, 3-PHASE		
TOTAL CONNECTED LOADS - ALL 24.7		=		63 AMPS		208 VOLTS, 3-PHASE		
TOTAL NEC LOAD 22.7		=		63 AMPS		208 VOLTS, 3-PHASE		

PANEL SCHEDULE - L4A 480V/277 VOLTS, 3-PH, 4-W 225 AMP LUG		NEMA 1 20,800 A.I.C. RATING		SURFACE MOUNTED		"PL"=POWER LINK BREAKER			
CIRCUIT DESCRIPTION		KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION
LIGHTING CLASSROOM C213 "PL"		1.41	20	1	14--2	1.41	20	1	LIGHTING CLASSROOM C212 "PL"
LIGHTING BIOLOGY C211 "PL"		2.00	20	1	3--4	1.41	20	1	LIGHTING CLASSROOM C210 "PL"
LIGHTING PREP ROOMS C205A, C209A "PL"		1.60	20	1	5--6	0.78	20	1	LIGHTING TEACHER WORKROOM C208A,B,C "PL"
LIGHTING PHYSICS C207 "PL"		2.30	20	1	7--8	1.41	20	1	LIGHTING CLASSROOM C206 "PL"
LIGHTING CHEMISTRY C203 "PL"		2.00	20	1	9--10	1.41	20	1	LIGHTING CLASSROOM C204 "PL"
LIGHTING S.E.D. C201A, C201C, C201D "PL"		1.20	20	1	11--12	0.80	20	1	LIGHTING I.S.S. C202 "PL"
LIGHTING NORTH SIDE OF CORR. C200 "PL"		1.85	20	1	13--14	1.70	20	1	LIGHTING HOME EC. A200A, OFFICE A200C "PL"
LIGHTING SOUTH SIDE OF CORR. C200 "PL"		1.52	20	1	15--16	1.56	20	1	LIGHTING TEXTILES A202D, STOR. A202B "PL"
LITG SOUTH SIDE CORR. C200A "PL"		1.37	20	1	17--18	3.45	20	1	LITG 20/3D STUDIO A201A,A201B,A201C,A201D "PL"
LIGHTING NORTH SIDE OF CORR. A200A "PL"		0.85	20	1	19--20	1.81	20	1	LIGHTING TITLE C101 "PL"
LIGHTING RESOURCE C102A "PL"		1.41	20	1	21--22	1.71	20	1	LIGHTING COMPUTER C103 "PL"
LIGHTING CLASSROOM C104 "PL"		1.41	20	1	23--24	1.71	20	1	LIGHTING BUSINESS C107 "PL"
LIGHTING CLASSROOM C108 "PL"		1.41	20	1	25--26	1.81	20	1	LIGHTING CLASSROOM C109 "PL"
LIGHTING CLASSROOM C110 "PL"		1.41	20	1	27--28	1.41	20	1	LIGHTING CLASSROOM C111 "PL"
LIGHTING C108A,C108B,C109 "PL"		1.21	20	1	29--30	1.71	20	1	LIGHTING NORTH SIDE OF CORR. C100A "PL"
LITG C102B,C112,C113,C115 "PL"		1.19	20	1	31--32	1.39	20	1	LIGHTING SOUTH SIDE OF CORR. C100A "PL"
LITG C117,C118A/B,C,C122 "PL"		1.37	20	1	33--34	0.68	20	1	TYPE "R" FIXTURES IN CORR. A100A "PL"
SPARE					35--36				LIGHTING A201A "PL"
SPARE					37--38				LIGHTING A201A "PL"
SPARE					39--40				OCC SENSOR POWER
SPARE					41--42				SPARE "PL"
CONNECTED LOADS - A 18.5 KVA - B 15.2 - C 15.2		=		62 AMPS		480 VOLTS, 3-PHASE			
TOTAL CONNECTED LOADS - ALL 51.6		=		62 AMPS		480 VOLTS, 3-PHASE			
TOTAL NEC LOAD 64.5		=		78 AMPS		480 VOLTS, 3-PHASE			

PANEL SCHEDULE - N2A 208V/120 VOLTS, 3-PH, 4-W 225 AMP LUG			NEMA 1 10,000 A.I.C. RATING		SURFACE MOUNTED			
CIRCUIT DESCRIPTION	KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION
RECEPTS CLASSROOM C111	0.54	20	1	1+--2	0.54	20	1	RECEPTS CLASSROOM C110
RECEPTS CLASSROOM C111	0.72	20	1	3+--4	0.72	20	1	RECEPTS CLASSROOM C110
RECEPTS CLASSROOM C109	0.54	20	1	5+--6	0.54	20	1	RECEPTS CLASSROOM C108
RECEPTS CLASSROOM C109	0.72	20	1	7+--8	0.72	20	1	RECEPTS CLASSROOM C108
RECEPTS BUSINESS C107	0.54	20	1	9+--10	0.54	20	1	RECEPTS CLASSROOM C104
RECEPTS BUSINESS C107	0.54	20	1	11+--12	0.72	20	1	RECEPTS CLASSROOM C104
RECEPTS COMPUTER C103	0.54	20	1	13+--14	0.54	20	1	RECEPTS CLASSROOM C102
RECEPTS COMPUTER C103	0.54	20	1	15+--16	0.72	20	1	RECEPTS CLASSROOM C102
RECEPTS TITLE 1 C101	0.54	20	1	17+--18	0.72	20	1	RECEPTS OFFICE C102B, BILINGUAL C113
RECEPTS TITLE 1 C101	0.72	20	1	19+--20	0.72	20	1	RECEPTS OFFICE C112, BILINGUAL C113
FIRE SMOKE DAMPERS	0.96	20	1	21+--22	0.72	20	1	RECEPTS OFFICE C112
RECEPTS RESOURCE C102	0.72	20	1	23+--24	0.72	20	1	RECEPT TOL. C114,B, JANITOR C115, STOR. C117
RECEPTS PRACTICE ROOMS	0.54	20	1	25+--26	0.72	20	1	RECEPTS TEACHER WORKRM C106A,B,C
COPIER TEACHER WORKROOM C106A	1.00	20	1	27+--28	1.20	20	1	REFRIG. TEACHER WORKRM C106A
SPARE	0.05	20	1	29+--30	1.50	20	1	MICROWAVE TEACHER WORKRM C106A
GAS SOLENOID VALVE	0.05	20	1	31+--32	0.54	20	1	RECEPTS TEACHER WORKRM C106A
HEAT TRACE VESTIBULE C100B (30mA GFI BKR)	0.05	20	1	33+--34	0.36	20	1	RECEPTS TEACHER WORKRM C106A
SPARE	20	1	35+--36					SPARE
SPARE	20	1	37+--38					SPARE
SPARE	20	1	39+--40					SPARE
SPARE	20	1	41+--42					SPARE
CONNECTED LOADS - A 6.9 KVA - B 6.1 - C 6.1			=		60 AMPS		208 VOLTS, 3-PHASE	
TOTAL CONNECTED LOADS - ALL 21.3			=		60 AMPS		208 VOLTS, 3-PHASE	
TOTAL NEC LOAD 17.5			=		48 AMPS			

PANEL SCHEDULE - L46 480V/277 VOLTS, 3-PH, 4-W 225 AMP LUG		NEMA 1 SURFACE MOUNTED 14,000 A.I.C. RATING						"PL"=POWER LINK BREAKER	
CIRCUIT DESCRIPTION	KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION	
LIGHTING GYM "PL"	3.00	20	1	1+--2	0.59	20	1	LIGHTING GYM "PL"	
LIGHTING GYM "PL"	3.00	20	1	3+--4	2.51	20	1	LTC RMS B109 "PL"	
LIGHTING GYM "PL"	3.00	20	1	5+--6	2.11	20	1	LTC RMS B108 "PL"	
LIGHTING GYM "PL"	3.00	20	1	7+--8	1.15	20	1	LTC RMS B104, B105, B100A "PL"	
LIGHTING GYM "PL"	2.00	20	1	9+--10	2.08	20	1	LTC RMS B102A,B,D,F,G,H,J "PL"	
LIGHTING GYM "PL"	2.00	20	1	11+--12	2.08	20	1	LTC RMS B103A,B,D,F,G,H,J "PL"	
LTC RMS B100A,B,C, B111, "PL"	1.74	20	1	13+--14	2.21	20	1	LTC RMS B106, B107	
LTC RMS B100A,D "PL"	4.04	20	1	15+--16		20	1	LTC B104, B105	
SPARE		20	1	17+--18		20	1	SPARE "PL"	
SPARE		20	1	19+--20		20	1	SPARE "PL"	
SPARE		20	1	21+--22		20	1	SPARE	
SPARE		20	1	23+--24		20	1	SPARE	
SPARE				25+--26				SPARE	
SPARE				27+--28				SPARE	
SPARE				29+--30				SPARE	
SPARE				31+--32				SPARE	
SPARE				33+--34				SPARE	
SPARE				35+--36				SPARE	
SPARE				37+--38				SPARE	
SPARE				39+--40				SPARE	
SPARE				41+--42				SPARE	
CONNECTED LOADS - A 11.7 KVA, - B 13.6 - C 12.4								24 POLE SPACES USED	
TOTAL CONNECTED LOADS - ALL 34.5 TOTAL NEC LOAD 43.1		= 41 AMPS 52 AMPS						480 VOLTS, 3-PHASE	

PANEL SCHEDULE - D2A 208V/120 VOLTS, 3-PH, 4-W 1000 AMP MAIN BREAKER		NEMA 1 38,100 A.I.C. RATING						FOR LOAD CALCULATION PURPOSES ONLY. SEE ONE-LINE DIAGRAM FOR SWITCHBOARD REQUIREMENTS	
CIRCUIT DESCRIPTION	KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION	
PANEL N2A (NEC LOAD)	17.33	200	3	1+--2	55.62	200	3	PANEL N2B AND N2K (NEC LOAD)	
---	---	---	---	3+--4	---	---	---	---	
---	---	---	---	5+--6	---	---	---	---	
PANELS N2C AND N2D (NEC LOAD)	55.45	200	3	7+--8	37.49	200	3	PANEL N2F (NEC LOAD)	
---	---	---	---	9+--10	---	---	---	---	
---	---	---	---	11+--12	---	---	---	---	
PANEL N2G (NEC LOAD)	22.73	200	3	13+--14	38.46	200	3	PANEL N2H (NEC LOAD)	
---	---	---	---	15+--16	---	---	---	---	
---	---	---	---	17+--18	---	---	---	---	
PANEL N2J (NEC LOAD)	24.95	200	3	19+--20	24.26	200	3	PANELS C2A AND C2D (NEC LOAD)	
---	---	---	---	21+--22	---	---	---	---	
---	---	---	---	23+--24	---	---	---	---	
PANELS C2F (NEC LOAD)	0.00	200	3	25+--26	17.24	200	3	PANEL C2G (NEC LOAD)	
---	---	---	---	27+--28	---	---	---	---	
---	---	---	---	29+--30	---	---	---	---	
PANEL C2G (NEC LOAD)	5.04	200	3	31+--32	34.07	200	3	PANEL K2A AND K2B (NEC LOAD)	
---	---	---	---	33+--34	---	---	---	---	
---	---	---	---	35+--36	---	---	---	---	
STAGE LIGHTING DIMMER PANEL (NEC LOAD)	49.68	200	3	37+--38	---	---	---	---	
---	---	---	---	39+--40	---	---	---	---	
---	---	---	---	41+--42	---	---	---	---	
CONNECTED LOADS - A 127.4 KVA, - B 127.4 - C 127.4								39 POLE SPACES USED	
TOTAL CONNECTED LOADS - ALL 382.3 TOTAL NEC LOAD 382.3		= 1061 AMPS 1061 AMPS						208 VOLTS, 3-PHASE	

PANEL SCHEDULE - C2A 208V/120 VOLTS, 3-PH, 4-W 225 AMP LUG		NEMA 1 SURFACE MOUNTED 10,000 A.I.C. RATING						DOUBLE MAIN LUG WITH TVSS	
CIRCUIT DESCRIPTION	KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION	
RECEPIS CLASSROOM C110	0.72	20	1	1+--2	0.72	20	1	RECEPIS CLASSROOM C111	
RECEPIS CLASSROOM C110	0.72	20	1	3+--4	0.72	20	1	RECEPIS CLASSROOM C111	
RECEPIS CLASSROOM C110	0.72	20	1	5+--6	0.72	20	1	RECEPIS CLASSROOM C111	
RECEPIS CLASSROOM C108	0.72	20	1	7+--8	0.72	20	1	RECEPIS CLASSROOM C109	
RECEPIS CLASSROOM C108	0.72	20	1	9+--10	0.72	20	1	RECEPIS CLASSROOM C109	
RECEPIS CLASSROOM C108	0.72	20	1	11+--12	0.72	20	1	RECEPIS CLASSROOM C109	
RECEPIS TEACHER WORKROOM C105A	0.72	20	1	13+--14	0.72	20	1	RECEPIS BUSINESS C107	
RECEPIS TEACHER WORKROOM C105A	0.36	20	1	15+--16	0.72	20	1	RECEPIS BUSINESS C107	
RECEPIS CLASSROOM C104	0.72	20	1	17+--18	0.72	20	1	RECEPIS BUSINESS C107	
RECEPIS CLASSROOM C104	0.72	20	1	19+--20	0.72	20	1	RECEPIS BUSINESS C107	
RECEPIS CLASSROOM C104	0.72	20	1	21+--22	0.72	20	1	RECEPIS BUSINESS C107	
RECEPIS RESOURCE C102A	0.72	20	1	23+--24	0.72	20	1	RECEPIS BUSINESS C107	
RECEPIS RESOURCE C102A	0.72	20	1	25+--26	0.72	20	1	RECEPIS BUSINESS C107	
RECEPIS CLASSROOM C102A, OFFICE C102B	0.72	20	1	27+--28	0.36	20	1	RECEPIS BUSINESS C107 - PROJECTOR	
RECEPIS BILINGUAL C113	0.36	20	1	29+--30	0.72	20	1	RECEPIS C105A	
RECEPIS OFFICE C112	0.72	20	1	31+--32	0.72	20	1	RECEPIS C105A	
SPARE		20	1	33+--34		20	1	SPARE	
SPARE		20	1	35+--36		20	1	SPARE	
SPARE		20	1	37+--38		20	1	SPARE	
SPARE		20	1	39+--40		20	1	SPARE	
SPARE		20	1	41+--42		20	1	SPARE	
CONNECTED LOADS - A 8.6 KVA, - B 6.5 - C 6.0								42 POLE SPACES USED	
TOTAL CONNECTED LOADS - ALL 22.0 TOTAL NEC LOAD 16.7		= 61 AMPS 46 AMPS						208 VOLTS, 3-PHASE	
NEC LOAD THIS PANEL C2A NEC LOAD DOWNSTREAM PANEL C2D TOTAL NEC LOAD		16.7 KVA, 7.6 24.3						67 AMPS 208 VOLTS, 3-PHASE	

PANEL SCHEDULE - L4H 480V/277 VOLTS, 3-PH, 4-W 225 AMP LUG		NEMA 1 SURFACE MOUNTED 42,300 A.I.C. RATING						"PL"=POWER LINK BREAKER	
CIRCUIT DESCRIPTION	KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION	
SITE LIGHTING "CUSTODIAN" ZONE "PL"	4.00	20	2	1+--2	5.50	20	2	SITE LIGHTING "TEACHER" ZONE "PL"	
---	---	---	---	3+--4	---	---	---	---	
SITE LIGHTING "BUS" ZONE (NW) "PL"	4.00	20	2	5+--6	3.50	20	2	SITE LIGHTING "BUS" ZONE (EAST) "PL"	
---	---	---	---	7+--8	---	---	---	---	
SITE LIGHTING "BUS" ZONE (NW) "PL"	3.50	20	2	9+--10	4.00	20	2	SITE LIGHTING "BUS" ZONE (EAST) "PL"	
---	---	---	---	11+--12	---	---	---	---	
BUILDING MOUNTED LTC AREA A "PL"	1.82	20	1	13+--14		20	2	SPARE "PL"	
BUILDING MOUNTED LTC AREA B "PL"	0.70	20	1	15+--16		---	---	---	
BUILDING MOUNTED LTC AREA C "PL"	0.70	20	1	17+--18		20	2	SPARE "PL"	
SPARE "PL"		20	1	19+--20		---	---	---	
SPARE				21+--22				SPARE	
SPARE				23+--24				SPARE	
SPARE				25+--26				SPARE	
SPARE				27+--28				SPARE	
SPARE				29+--30				SPARE	
SPARE				31+--32				SPARE	
SPARE				33+--34				SPARE	
SPARE				35+--36				SPARE	
SPARE				37+--38				SPARE	
SPARE				39+--40				SPARE	
SPARE				41+--42				SPARE	
CONNECTED LOADS - A 10.3 KVA, - B 9.2 - C 8.2								20 POLE SPACES USED	
TOTAL CONNECTED LOADS - ALL 27.7 TOTAL NEC LOAD 34.7		= 33 AMPS 42 AMPS						480 VOLTS, 3-PHASE	

PANEL SCHEDULE - K2A 208V/120 VOLTS, 3-PH, 4-W 225 AMP LUG		NEMA 1 FLUSH MOUNTED 10,000 A.I.C. RATING						FEED THROUGH LUGS	
CIRCUIT DESCRIPTION	KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION	
SPARE		30	1	1+--2	4.30	20	3	ITEM #47 MILK SHAKE MACHINE LEFT	
ITEM #3 FREEZER LIGHTS	0.60	20	1	3+--4	---	---	---	---	
ITEM #3 FREEZER DOOR HEATER	1.20	20	1	5+--6	---	---	---	---	
ITEM #3 FREEZER DRAIN HEAT TRACE	1.20	20	1	7+--8	3.20	20	3	ITEM #47 MILK SHAKE MACHINE RIGHT	
ITEM #5 COOLER	2.40	30	1	9+--10	---	---	---	---	
ITEM #5 COOLER LIGHTS	0.60	20	1	11+--12	---	---	---	---	
ITEM #24 ICE CUBE MACHINE	1.30	20	1	13+--14	1.00	20	1	ITEM #48 REFRIGERATOR	
ITEM #26 FIRE SUPPRESSION SYSTEM PANEL	0.80	20	1	15+--16	1.20	20	1	ITEM #52 MILK COOLER (2)	
ITEM #30 HOOD CONTROL PANEL	0.80	20	1	17+--18		20	1	SPARE	
ITEM #30 HOOD CONTROL PANEL	0.80	20	1	19+--20	1.20	20	3	REFRIGERATOR CONDENSOR	
ITEM #37 HOT CABINET	2.00	20	1	21+--22	---	---	---	---	
ITEM #37 HOT CABINET	2.00	20	1	23+--24	---	---	---	---	
ITEM #38 GREASE INTERCEPTOR	1.60	20	1	25+--26	6.00	40	2	ITEM #57 HOT FOOD COUNTER	
ITEM #58 COLD COUNTER	1.00	20	1	27+--28				---	
ITEM #58 COLD COUNTER	1.00	20	1	29+--30	6.00	40	2	ITEM #57 HOT FOOD COUNTER	
ITEM #60 COLD COUNTER ICECREAM	0.60	20	1	31+--32	---	---	---	---	
ITEM #60 COLD COUNTER ICECREAM	0.60	20	1	33+--34		20	1	SPARE	
RECEPT OFF./STOR. A112B	0.18	20	1	35+--36		20	1	SPARE	
SPARE		20	1	37+--38		---	---	---	
SPARE		20	1	39+--40		---	---	---	
SPARE		20	1	41+--42		---	---	---	
CONNECTED LOADS - A 15.4 KVA, - B 14.5 - C 11.7								41 POLE SPACES USED	
TOTAL CONNECTED LOADS - ALL 41.6 TOTAL NEC LOAD 28.9		= 115 AMPS 80 AMPS						208 VOLTS, 3-PHASE	
NEC LOAD THIS PANEL K2A NEC LOAD DOWNSTREAM PANEL K2B TOTAL NEC LOAD		28.9 KVA, 4.3 33.3						92 AMPS 208 VOLTS, 3-PHASE	

PANEL SCHEDULE - K2B 208V/120 VOLTS, 3-PH, 4-W 100 AMP MAIN BREAKER		NEMA 1 FLUSH MOUNTED 10,000 A.I.C. RATING						SHUNT TRIP MAIN BREAKER CONNECT TO TRIP FROM FIRE SUPPRESSION PANEL	
CIRCUIT DESCRIPTION		KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION
ITEM #32 FRENCH FRY		0.40	20	1	1+--2	0.40	20	1	ITEM #32 FRENCH FRY
ITEM #33 FRENCH FRY FILTER		1.20	20	1	3+--4	2.00	20	1	ITEM #27 WASH VENTILATOR
ITEM #36 CONVECTION OVEN (2)		0.80	20	1	5+--6		20	1	HOOD LIGHTING
ITEM #36 CONVECTION OVEN (2)		0.80	20	1	7+--8		20	1	SPARE
SPACE					9+--10		20	1	SPARE
SPACE					11+--12		20	1	SPARE
SPACE					13+--14				SPACE
SPACE					15+--16				SPACE
SPACE					17+--18				SPACE
SPACE					19+--20				SPACE
SPACE					21+--22				SPACE
SPACE					23+--24				SPACE
CONNECTED LOADS - A 1.6 KVA								10 POLE SPACES USED	
- B 3.2 "									
- C 0.8 "									
TOTAL CONNECTED LOADS - ALL 5.6 "		=						208 VOLTS, 3-PHASE	
TOTAL NEC LOAD 4.3 "		=						12 AMPS	

PANEL SCHEDULE - S44 480V/277 VOLTS, 3-PH, 4-W 100 AMP LUG		NEMA 1 SURFACE MOUNTED 14,000 A.I.C. RATING					
CIRCUIT DESCRIPTION		KVA	AMP	POLE	KVA	AMP	POLE
LTC RMS C202,4,6,8A,BB,8C,C10,C12	"PL"	1.30	20	1 1+--2	0.46	20	1
LTC BATHROOM C208B, C200C	"PL"	0.28	20	1 3+--4	1.17	20	1
LTC RMS C101,C103,C105A,C107,C109,C111	"PL"	1.37	20	1 5+--6	1.48	20	1
LTC RMS A111	"PL"	1.14	20	1 7+--8	1.66	20	1
LTC RMS A102A,B,D--H, A108D,C,F, A107A,B,D	"PL"	3.96	20	1 9+--10	9.58	45	1
LTC EAST FAN ROOM		1.12	20	1 11+--12		20	1
SPARE			20	1 13+--14		20	1
SPARE			20	1 15+--16		20	1
SPARE			20	1 17+--18		20	1
SPARE			20	1 19+--20		20	1
SPARE				21+--22			
SPACE				23+--24			
SPACE				25+--26			
SPACE				27+--28			
SPACE				29+--30			
CIRCUIT DESCRIPTION							
LTC LIGHTS ROOMS C201A,C201,C213	"PL"						
LTC RMS C102A,C104,C105A,B,C,C108,C110	"PL"						
LTC RMS C114,C116,C119A,108F	"PL"						
LTC RMS C120,C121	"PL"						
LTC ACU-1 (MDF ROOM COOLING)							
CONNECTED LOADS - ALL		4.6	KVA			20	POLE SPACES USED
- A		15.5	"				
- B		24.0	"				
TOTAL CONNECTED LOADS - ALL		30.0	"				
TOTAL NEC LOAD					29	AMPS	480 VOLTS, 3-PHASE
					36	AMPS	

[illegible][illegible]

MOTOR CONTROL CENTER MCCS4C

	CA	CB	CC	CD	CE	CF	CG	CH	
A	Main Lugs	SPACE	SPACE						
B	500 A								
C	PowerUp	ANU-4	RF-2C VSD						
D	Circuit								
E	Monitor								
F									
G		ANU-4	RF-2D VSD						
H									
I									
J									
K		EF-14	RF-2B VSD	EF-18 (ROOF)					
L									
M									
N									
O		EF-15	RF-2B VSD	PMP-10					
P									
Q									
R									
S		SPACE	SPACE	PMP-11					
T									
U									
V									
W		SPACE	SPACE						
X									
Y									
Vertical Bus Amps		300	300	300	300				

MOTOR CONTROL CENTER MCCS4C

VOLTS: 480 AMPS: 200				3 PHASE 3 WIRE		NEMA CLASS: 1A AIC RATING: 20,000			BUS: COPPER GND BUS		
I.D. NO.				HP		LOAD			STARTER		
Description				HP	KVA	Size	type	type	Size	type	YES
BANK 1											
POWERHOUSE CR MONITOR											
ANU-3	EF HANLEY #3			25.0	28.3	50	MCP	2	250W		
EF-14	LENNON FAN #4			1.0	1.7	3	MCP	1	1VNR		
EF-15	EF HANLEY #15			1.0	1.7	3	MCP	1	1VNR		
ANU-4	ARP HANLEY #1			30.0	33.3	60	MCP	3	250W		
RF-2A	REFUEL FAN 2A VSD			2.0	2.8	15	TM				
RF-2B	REFUEL FAN 2B VSD			2.0	2.8	15	TM				
RF-2C	REFUEL FAN 2C VSD			2.0	2.8	15	TM				
RF-2D	REFUEL FAN 2D VSD			2.0	2.8	15	TM				
EF-18	TECH. DR. EVAPOR. ROOF			1.5	2.5	7	MCP	1	1VNR		
PMP-10	MAT. LIFT. CTR. ROVER			0.5	0.91	3	MCP	1	1VNR		
PMP-11	MAT. LIFT. CTR. ROVER			0.5	0.91	3	MCP	1	1VNR		

THESE PROJECT RECORD DOCUMENTS HAVE BEEN
MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED
BY THE CONTRACTOR. AMC ENGINEERS HAS
NOT FIELD VERIFIED THIS INFORMATION AND
DOES NOT CERTIFY THE COMPLETENESS AND/OR
ACCURACY OF THESE DOCUMENTS.

DATE: 09/17/2003 BY: EEP

**Architects
Alaska**
An Alaskan Corporation

*Architecture
Landscape Architecture
Interior Architecture*

900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567

191 E. Swanson Avenue
Wasilla, Alaska 99564
(907) 373-7503


**AEC
ENGINEERS**

Adams, Morgenthaler and Company, Inc.
3333 Denali Street, Suite 100
Anchorage, Alaska 99503-4088
Tel: 907-272-5563
phone 907-279-0431

0050:

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

[illegible]

Drawn by TDD	Date 12-29-200
------------------------	--------------------------

Checked EEP	Job No. 00003.01
-----------------------	----------------------------

Sheet Contents

[illegible]

SCHEDULES

Page 10 of 10

Discipline Sheet No.

[illegible]

E 0.04

--	--

QUOTE #Q24 10

SHEET NOTES

1. PROVIDE DUCT SMOKE DETECTOR IN SUPPLY AIR PATH OF AIR HANDLING UNIT. CONTROL SEQUENCE SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 16723. COORDINATE ALL WORK AND CONNECTION REQUIREMENTS WITH DIVISION 15.
2. FIELD COORDINATE ALL LOCATIONS OF VDS, DISCONNECTS, STARTERS, COMBINATION STARTERS, ETC., AS REQUIRED TO MAINTAIN ACCESS TO ALL MECHANICAL EQUIPMENT AND TO PROVIDE ALL CODE REQUIRED CLEARANCES OF ELECTRICAL EQUIPMENT. DEMONSTRATE REQUIRED CLEARANCES IN SHOP DRAWINGS IN ACCORDANCE WITH SPECIFICATION SECTION 16010.
3. HOMERUN TELECOMMUNICATION CABLES TO MDF ROOM (RM C105A) AND TERMINATE IN YELLOW FIELD 110 BLOCK.
4. CONNECT FIRE SMOKE DAMPER TO CIRCUIT INDICATED. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION. DAMPER CONTROL SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 16723.

Architects
Alaska
An Alaskan Corporation

Architecture
Landscape Architecture
Interior Architecture

900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567
191 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503

ENGINEERS
Adams, Morgenstern and Company, Inc.

3333 Dowd Street, Suite 100
Anchorage, Alaska 99503-4088
fax 907-272-5583
phone 907-272-0451

00501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions

No.	Description	Date

Drawn by Date

TDD 12-29-2000

Checked Job No.

EPP 00003.01

Sheet Contents

PARTIAL ENLARGED PLANS -
ELECTRICAL

Discipline

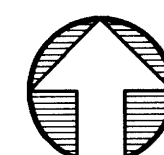
E

Sheet No.

4.02

THESE PROJECT RECORD DOCUMENTS HAVE BEEN
MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED
BY THE CONTRACTOR. AMC ENGINEERS HAS
NOT FIELD VERIFIED THIS INFORMATION AND/OR
ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP

KEY PLAN



C1 ENLARGED EAST FAN ROOM

E4.02 SCALE: 1/4"=1'-0"

1/8" 1/4" 1/2" 1-1/2" GRAPHIC SCALE
3/8" 3/4"

A1 ENLARGED WEST FAN ROOM

E4.02 SCALE: 1/4"=1'-0"

1/8" 1/4" 1/2" 1-1/2" GRAPHIC SCALE
3/8" 3/4"

TELECOMMUNICATION SHEET NOTES

- 1 STUB UP LOCATION FOR UNDERSLAB TELECOMMUNICATION CONDUITS TO IDF-1. SEE SHEET E5.08 FOR ADDITIONAL INFORMATION.
- 2 STUB UP LOCATION FOR TELEPHONE SERVICE ENTRANCE CONDUITS. SEE SHEET E1.01 FOR ADDITIONAL INFORMATION.
- 3 PROVIDE 3/4 INCH BACKBOARD PER SPECIFICATION SECTION 16745.
- 4 PROVIDE TELECOMMUNICATION GROUND BUS BAR PER SPECIFICATION, WALL MOUNTED AT +7'-8" TO CENTER, AFF.
- 5 CABLE TRAY HEIGHT SHALL BE SET TO TOP OF EQUIPMENT RACKS.
- 6 PROVIDE EQUIPMENT RACKS IN ACCORDANCE WITH SPECIFICATION SECTIONS 16745 AND 16747 AND DETAILS ON SHEET E5.06.
- 7 WALL SPACE RESERVED FOR USE BY MTA FOR INCOMING TELEPHONE SERVICE AND PROTECTOR BLOCKS.
- 8 STUB UP LOCATION FOR UNDERSLAB TELECOMMUNICATION CONDUITS FROM MDF. SEE SHEET E5.08 FOR ADDITIONAL INFORMATION.
- 9 PROVIDE PRINTER FOR FIRE ALARM PANEL. PROVIDE SHELF TO MOUNT PRINTER ON.

Architects
Alaska
An Alaskan Corporation

Architecture
Landscape Architecture
Interior Architecture

900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567
191 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503

ENGINEERS
Adams, Morgenthaler and Company, Inc.
3333 Denali Street, Suite 250
Anchorage, Alaska 99503-4088
fax 907-272-6980
phone 907-278-0431

00501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions

No.	Description	Date

Drawn by **TDD** Date **12-29-2000**
Checked **EEP** Job No. **00003.01**

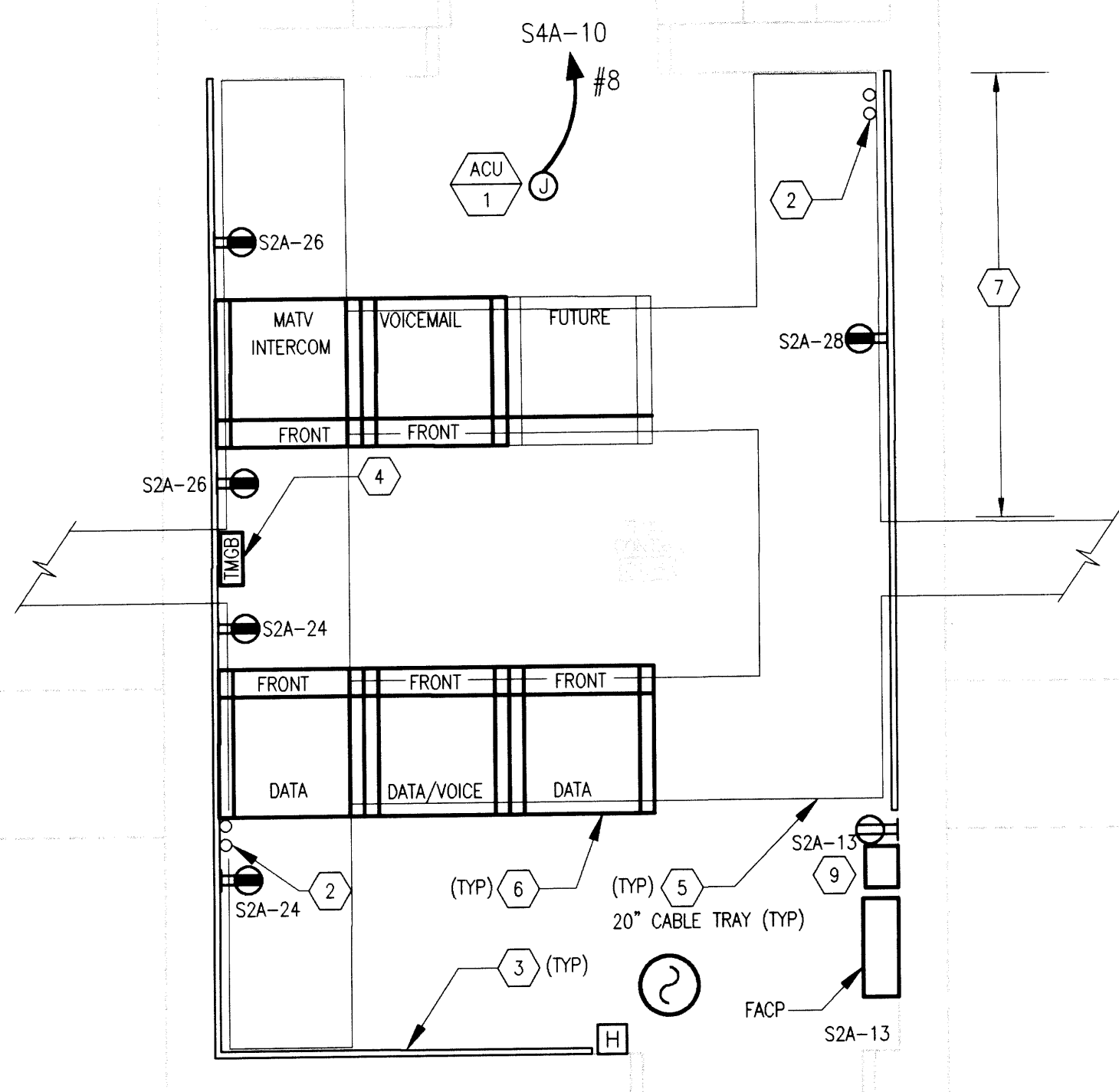
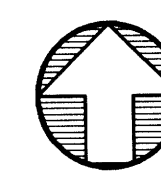
Sheet Contents

PARTIAL ENLARGED PLANS - ELECTRICAL

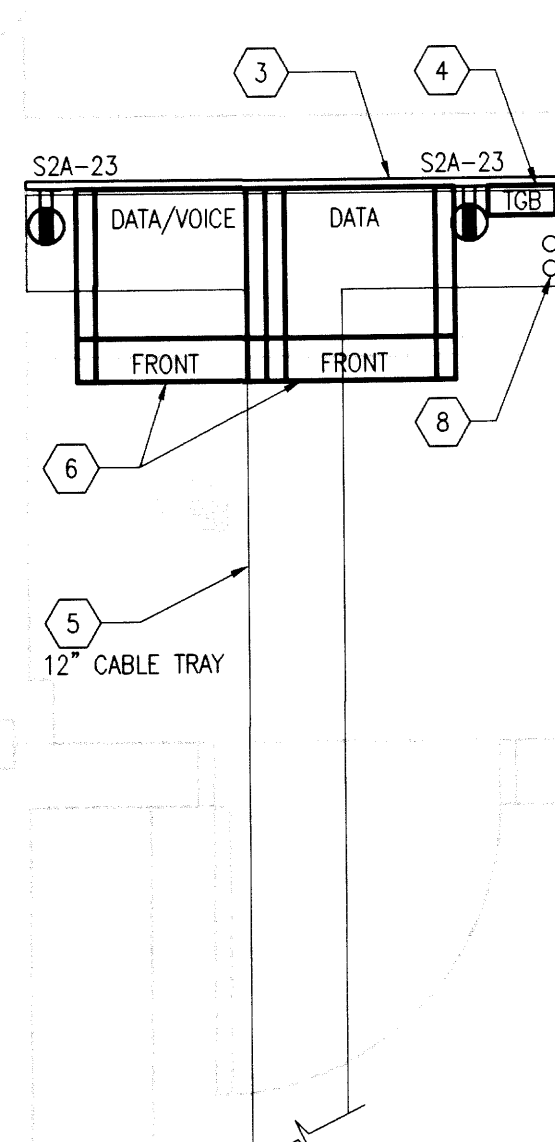
Discipline **E** Sheet No. **4.03**

THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP

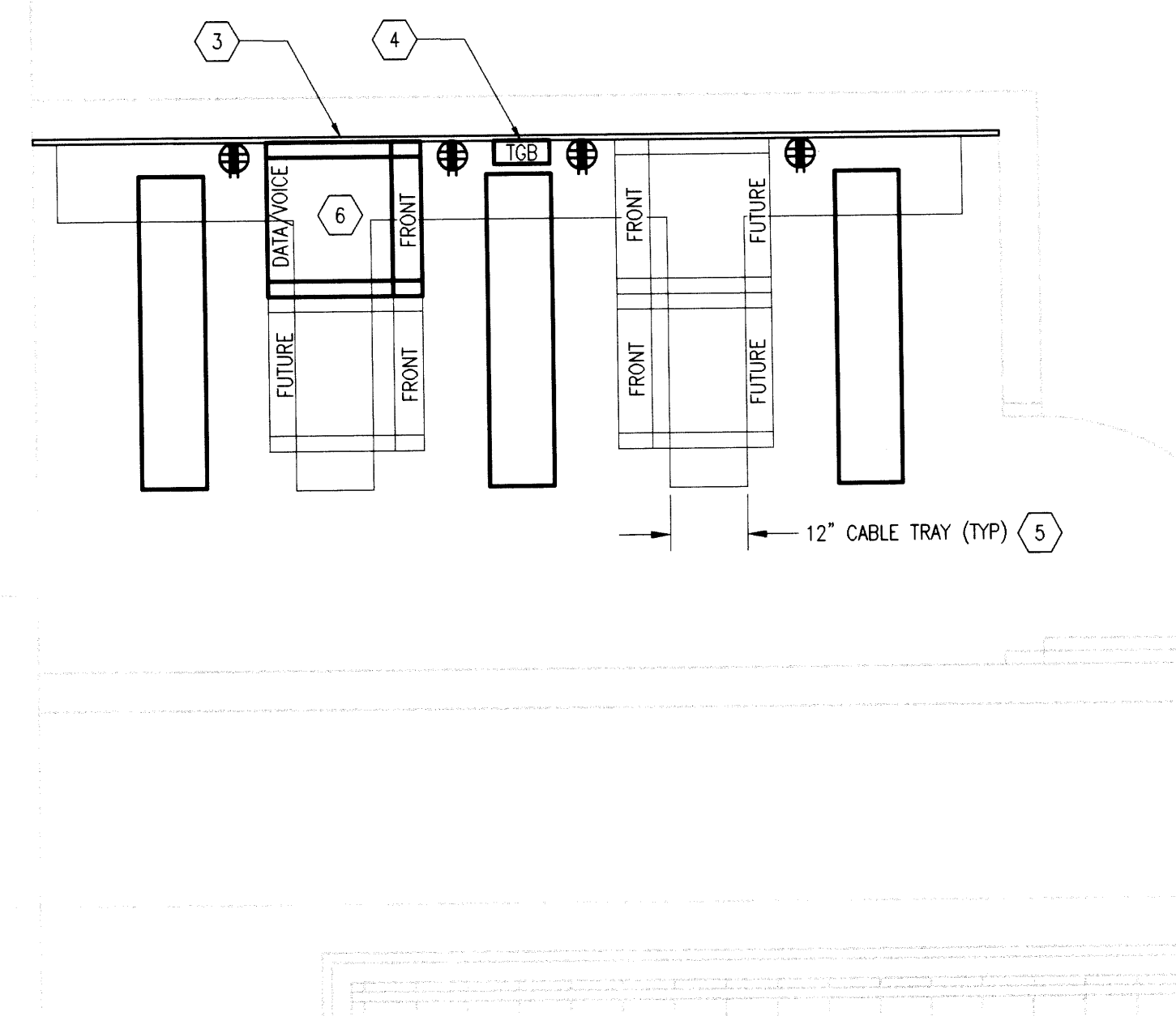
KEY PLAN



C1 ENLARGED MDF
E4.03 SCALE: 1/4"=1'-0" 1/8" 1/4" 1/2" 3/4" 1-1/2" GRAPHIC SCALE



C2 ENLARGED IDF-1
E4.02 SCALE: 1/2"=1'-0" 1/8" 1/4" 1/2" 3/4" 1-1/2" GRAPHIC SCALE



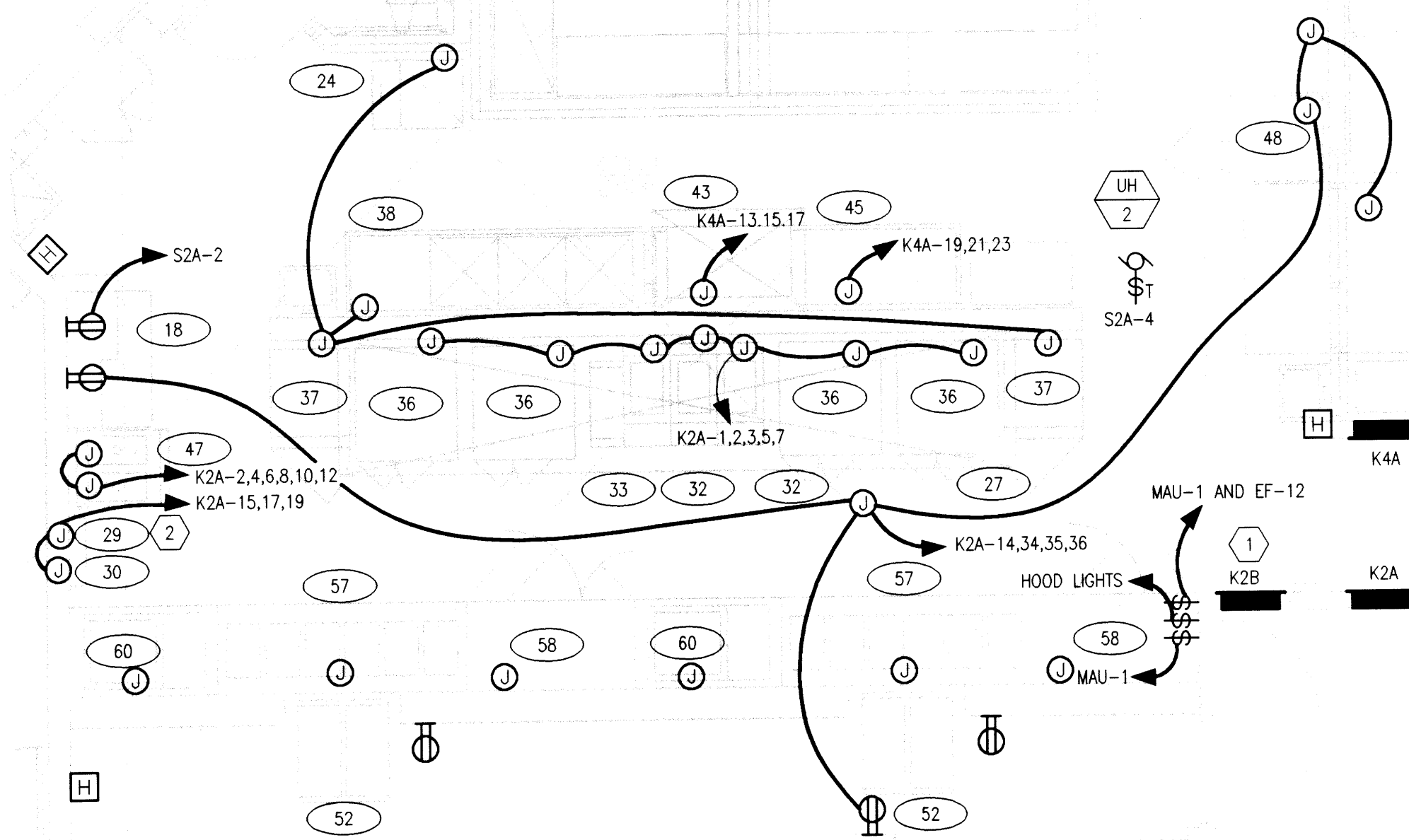
C3 ENLARGED IDF-2
E4.03 SCALE: 1/2"=1'-0" 1/8" 1/4" 1/2" 3/4" 1-1/2" GRAPHIC SCALE

KITCHEN EQUIPMENT SCHEDULE

ITEM NUMBER	EQUIPMENT NAME	VOLT, PHASE, WIRES	AMPS	KVA	CONNECTION TYPE	FED FROM PANEL	REMARKS
2	CONDENSING UNIT COLD ZONE MPL-102 (4-1/2HP)	480V 3PH 3W	7.2	6.0	HARDWIRED	K4A	
3	WALK IN FREEZER KOOLOO LIGHTS DISOR HEATER DRAIN HEAT TRACE	120V 1PH 2W 120V 1PH 2W 120V 1PH 2W 120V 1PH 2W	20.0 5.0 10.0 10.0	2.4 0.6 1.2 1.2	HARDWIRED HARDWIRED HARDWIRED NEMA 5-20	K2A K2A K2A K2A	SEE NOTE 8 +114" #10 WIRE +114" #10 WIRE +114" #10 WIRE
4	REFRIGERATOR COIL COLD ZONE	480V 3PH 3W	7.2	6.0	HARDWIRED	K4A	
5	WALK IN COOLER KOOLOO LIGHTS	120V 1PH 2W 120V 1PH 2W	20.0 5.0	2.4 0.6	HARDWIRED HARDWIRED	K2A K2A	SEE NOTE 8 +114" #10 WIRE +114" #10 WIRE
18	MICROWAVE PANASONIC NE-1056A	120V 1PH 2W	14.6	1.8	NEMA 5-20	S2A	+48"
24	ICE CUBE MACHINE MANTOWAC Q-MODEL SERIES 320	120V 1PH 2W	11.2	1.3	NEMA 5-20	K2A	
27	WASH VENTILATOR CARROLL ELITE SERIES	120V 1PH 2W	16.6	2.0	HARDWIRED	K2B	
29	FIRE SUPPRESSION SYSTEM PANEL ANSUL R-102	120V 1PH 2W	6.3	0.8	HARDWIRED	K2A	+54"
30	HOOD CONTROL PANEL GAYLORD/CARROLL	120V 1PH 2W	6.3	0.8	HARDWIRED	K2A	+54"
32	FRENCH FRYER - AUTO LIFT PITCO MODEL 14	120V 1PH 2W	3.0	0.4	NEMA 5-20	K2B	
33	FRENCH FRY FILTER PITCO BF14	120V 1PH 2W	10.0	1.2	NEMA 5-20	K2B	
36	CONVECTION OVEN MARKET FORGE	120V 1PH 2W	3.0	0.4	HARDWIRED	K2B	
37	HOT CABINET CRES-COR	120V 1PH 2W	16.6	2.0	NEMA 5-20	K2A	
38	GREASE INTERCEPTOR THERMACO, BIG DIPPER	120V 1PH 2W	13.0	1.6	HARDWIRED	K2A	
43	DISHWASHER STERO SCT-44	480V 3PH 3W	24.2	20.1	HARDWIRED	K4A	#10 WIRE.
45	ELECTRIC BOOSTER WATER HEATER HATCO C-58	480V 3PH 3W	71.0	59.0	HARDWIRED	K4A	90A/3P CIRCUIT BREAKER
47	MILK SHAKE MACHINE TAYLOR 433	LEFT 208 3PH 3W RIGHT 208 3PH 3W	12.0 9.0	4.3 3.2	HARDWIRED HARDWIRED	K2A K2A	
48	REFRIGERATOR TRAUlsen RHT-1-32-WUT	120V 1PH 2W	8.0	1.0	NEMA 5-20	K2A	
52	MILK COOLER BEVERAGE-AIR SM-ST SERIES	120V 1PH 2W	4.6	0.6	NEMA 5-20	K2A	
53	CASHER CART PRECISION BLM-1-L/R	120V 1PH 2W	10.0	1.2	NEMA 5-20	K2A	
54	P.O.S. SYSTEM OWNER FURNISHED	120V 1PH 2W	10.0	1.2	NEMA 5-20	K2A	
57	HOT FOOD COUNTER DELFIELD F14E1688	208V 1PH 3W	29.0	6.0	HARDWIRED	K2A	+28"
58	COLD COUNTER, REFRIGERATED DELFIELD F18W600	120V 1PH 2W	8.0	1.0	NEMA 5-20	K2A	
60	COLD COUNTER, ICE-CREAM DISPENSER SERVOLIFT EASTERN F20-BI	120V 1PH 2W	5.2	0.6	HARDWIRED	K2A	

EQUIPMENT SCHEDULE NOTES

- COORDINATE CONNECTION REQUIREMENTS AND EXACT LOCATION OF ALL EQUIPMENT WITH DIVISION 11. PRIOR TO ROUGH-IN. PROVIDE ALL CONDUIT, WIRING AND LABOR REQUIRED TO CONNECT EQUIPMENT FURNISHED UNDER DIVISION 11, INCLUDING BUT NOT LIMITED TO EQUIPMENT CONNECTIONS, CONTROL WIRING AND INTERCONNECTIONS, LIGHTING, AUTOMATIC DOOR SWITCHES, FANS, HEATERS, HEAT TRACE, THERMOSTATS, SOLENOIDS, ETC. REFER TO KITCHEN EQUIPMENT DRAWINGS, KITCHEN EQUIPMENT SHOP DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- ALL NEMA 5-20 RECEPTACLES SHALL BE DUPLEX TYPE. NUMBER OF WIRES CALLED OUT IN TABLE DOES NOT INCLUDE GROUND CONDUCTORS. PROVIDE EQUIPMENT GROUNDING CONDUCTORS FOR ALL CIRCUITS.
- CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT CONNECTION REQUIREMENTS WITH OWNER PRIOR TO EQUIPMENT ROUGH IN. PROVIDE ALL CONDUIT, WIRING AND LABOR REQUIRED TO CONNECT OWNER FURNISHED EQUIPMENT (INCLUDING ALL EQUIPMENT CONNECTIONS, CONTROL WIRING AND INTERCONNECTIONS).
- PROVIDE CORD AND PLUG FOR ALL PLUG CONNECTED EQUIPMENT AS REQUIRED.
- EQUIPMENT SHALL TYPICALLY BE FED FROM UNDERGROUND OR VIA ADJACENT WALL. EQUIPMENT SHALL BE FED OVERHEAD IF NOTED IN THE EQUIPMENT LIST (i.e., DROP FROM ABOVE). DROP CORDS, PLUGS AND RECEPTACLES FOR OVERHEAD EQUIPMENT CONNECTIONS SHALL BE WHITE. PROVIDE LOCKING TYPE RECEPTACLES AND PLUGS FOR OVERHEAD FED EQUIPMENT. PENDANT RECEPTACLES DOWN TO +84" AFF UON.
- UNDERGROUND CONNECTIONS TO CASES SHALL BE IN ACCORDANCE WITH DETAIL ON SHEET E10-32.
- PROVIDE ALL REQUIRED ITEMS AND INTERCONNECTIONS TO HOOD AND ASSOCIATED EQUIPMENT AS NOTED ON HOOD SHOP DRAWINGS. PROVIDE CIRCUIT CONNECTIONS AS NOTED IN EQUIPMENT LIST. PROVIDE CONNECTIONS TO ALL GAS SHUT-OFF VALVES AND SHUNT-TRIP CIRCUIT BREAKERS FOR EQUIPMENT LOCATED UNDER HOODS.
- INSTALL LIGHT FIXTURES FURNISHED UNDER DIVISION 11 IN WALK-IN COOLERS AND FREEZERS. CONNECT FIXTURES TO CIRCUITS NOTED IN SCHEDULE VIA PILOT LIGHT SWITCHES PROVIDED WITH WALK-INS.
- PROVIDE ALL CODE REQUIRED DISCONNECTS FOR KITCHEN EQUIPMENT. DISCONNECTS SHALL BE FUSIBLE TYPE. PROVIDE THERMAL TRIP SWITCHES FOR SINGLE PHASE LOADS SUCH AS UNIT COOLERS.
- PROVIDE LIGHT SWITCH FOR CONTROL OF HOOD LIGHTING. CONNECT TO LIGHT FIXTURES FURNISHED WITH HOOD VIA SWITCH. PROVIDE SWITCH FOR CONTROL OF HOOD FAN. LOCATE HOOD LIGHTING AND FAN CONTROL SWITCHES ADJACENT TO ONE ANOTHER. FIELD COORDINATE EXACT LOCATION OF SWITCHES WITH CONTRACTING AGENCY. PROVIDE ENGRAVED NAMEPLATES FOR EACH SWITCH IDENTIFYING LOAD CONTROLLED.



A1 ENLARGED KITCHEN
E4.03 SCALE: 1/4"=1'-0" 1/8" 1/4" 1/2" 3/4" 1-1/2" GRAPHIC SCALE

Revisions

No.	Description	Date

Drawn by TDD	Date 12-29-2000
Checked EEP	Job No. 00003.01

Sheet Contents

DIAGRAMS - LIGHTING

Discipline

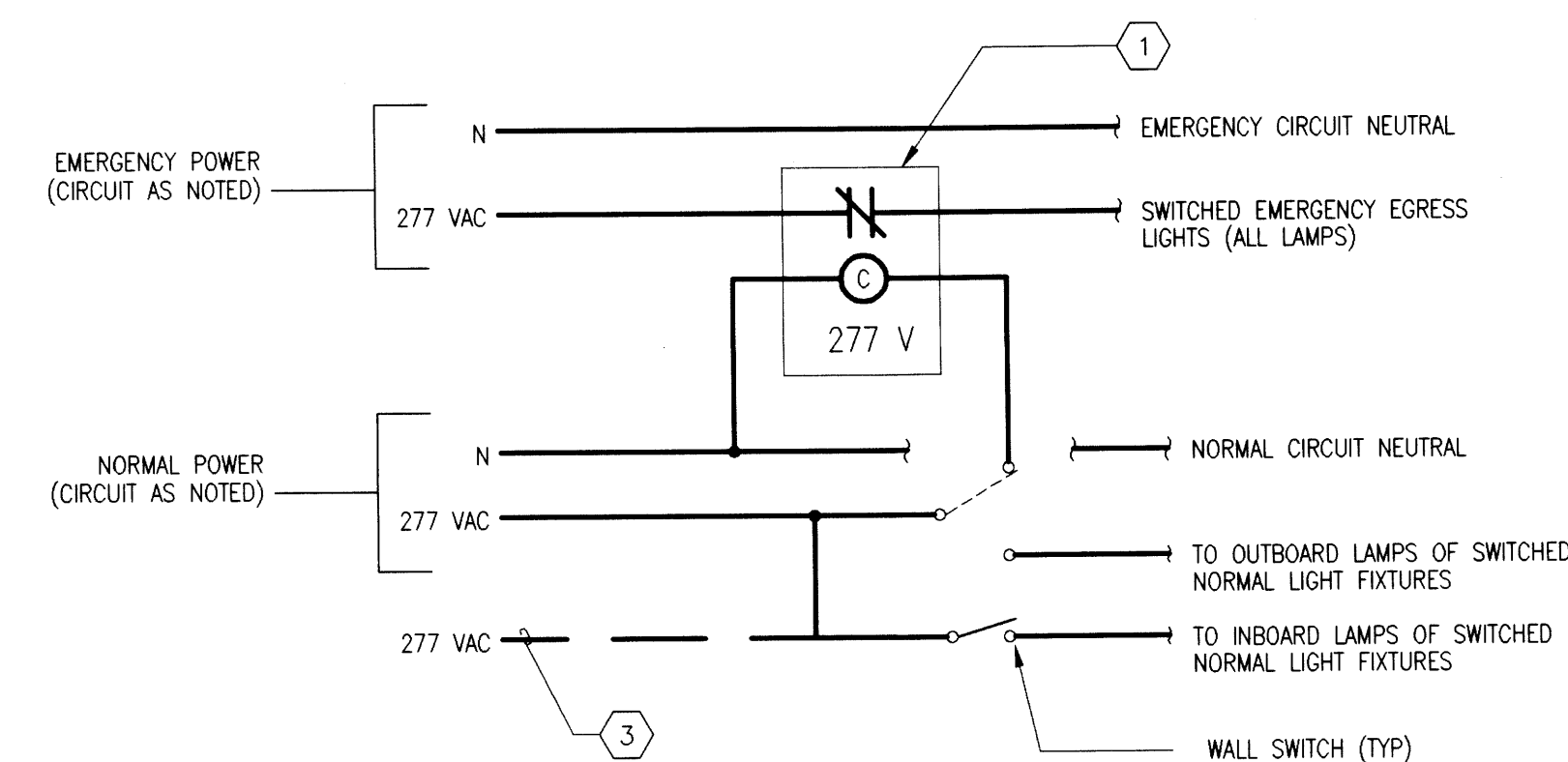
E

Sheet No.

5.01

THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION, AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.

DATE: 09-17-2003 BY: EEP

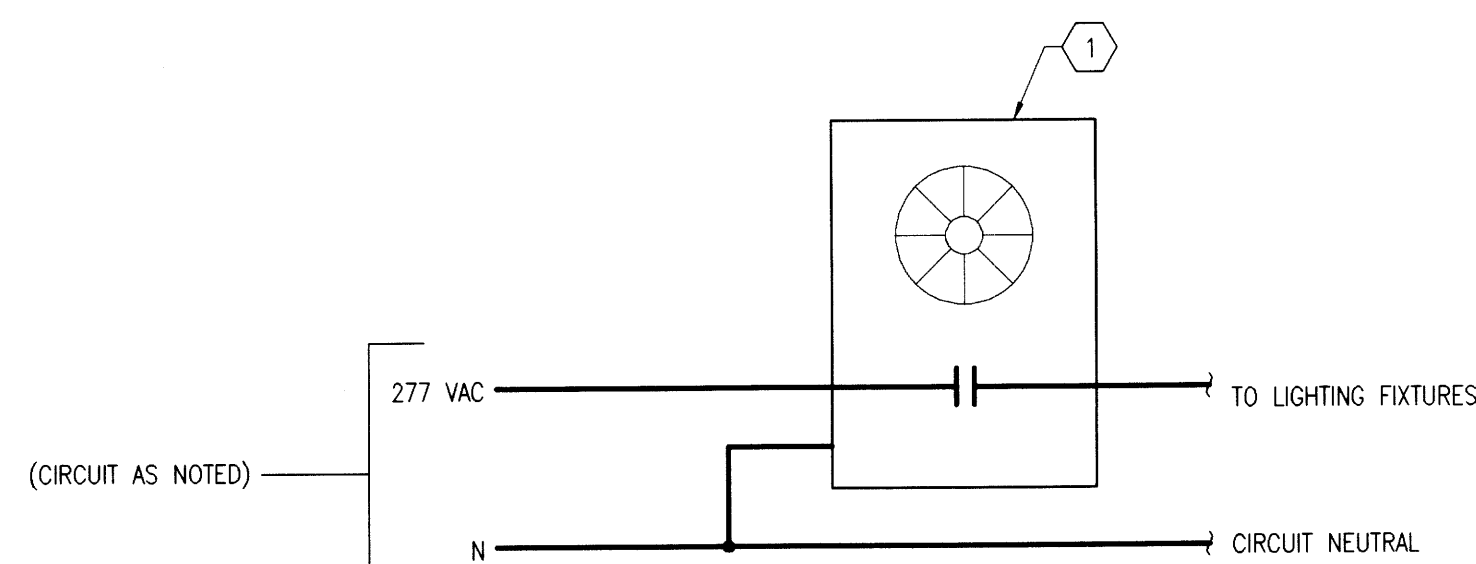


DETAIL NOTES

1. PROVIDE AN ELECTRICALLY HELD LIGHTING CONTACTOR IN A NEMA 1 ENCLOSURE LOCATED IN THE ACCESSIBLE CEILING SPACE. LIGHTING CONTACTOR SHALL BE 30A/2P (2ND POLE IS SPARE) WITH 277 VAC COIL, SQUARE D, CLASS 8903, TYPE LG20V04.
2. UPON FAILURE OF NORMAL POWER THE SWITCHED EMERGENCY EGRESS LIGHTS SHALL FAIL "ON".
3. IF TWO NORMAL CIRCUITS ARE REQUIRED, INBOARD LAMPS SHALL BE FED BY SECOND NORMAL CIRCUIT.

D4 DIAGRAM - CLASSROOM MULTI-LEVEL AND EMERGENCY LTG CONTROL

E5.01 SCALE: NONE

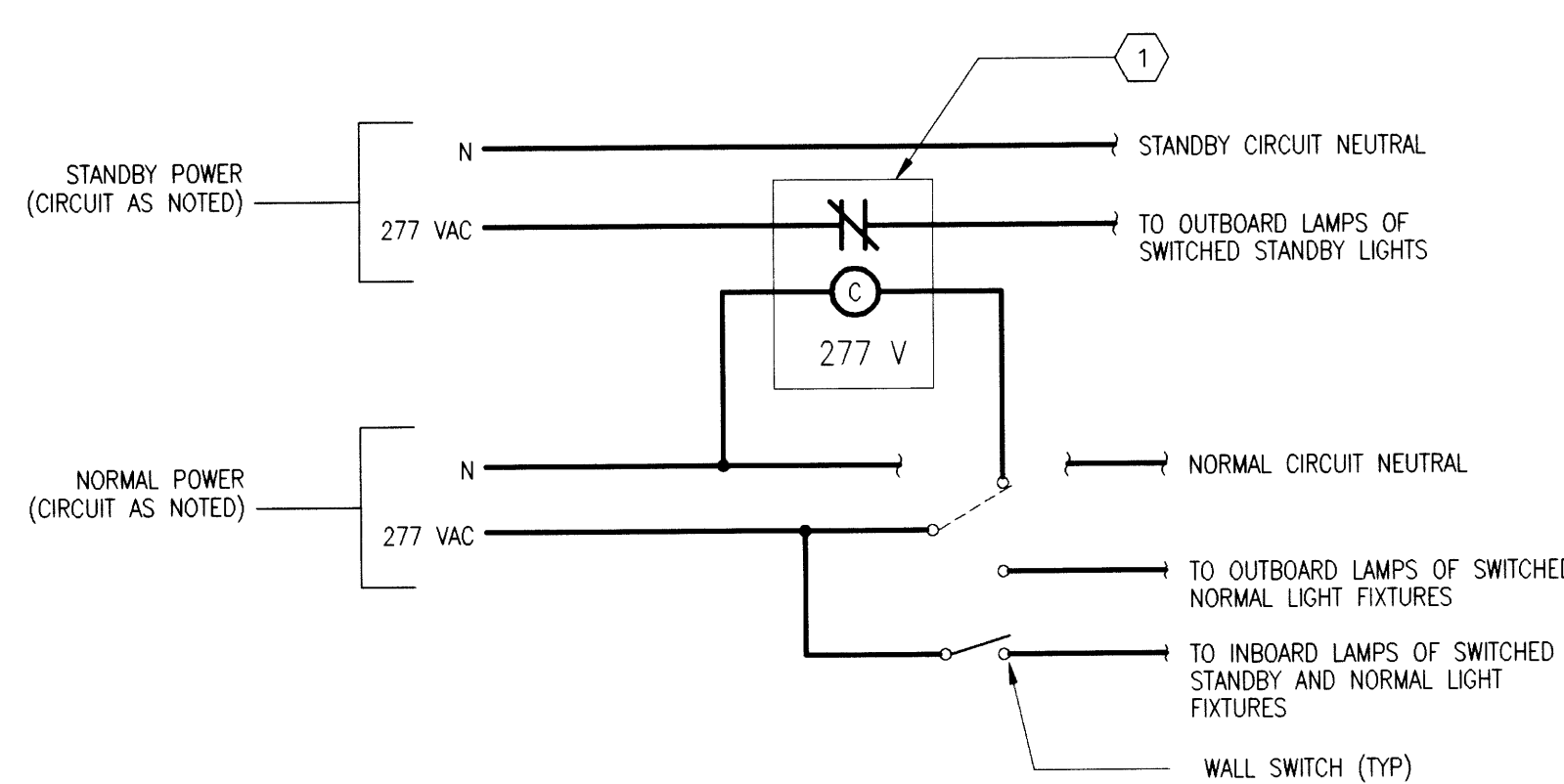


DETAIL NOTES

1. PROVIDE AN ULTRASONIC CEILING MOUNTED OCCUPANCY SENSOR/SWITCH, UNENCO C500-800-P277, OR AS APPROVED.

D2 DIAGRAM - OCCUPANCY SENSOR LIGHTING CONTROL

E5.01 SCALE: NONE

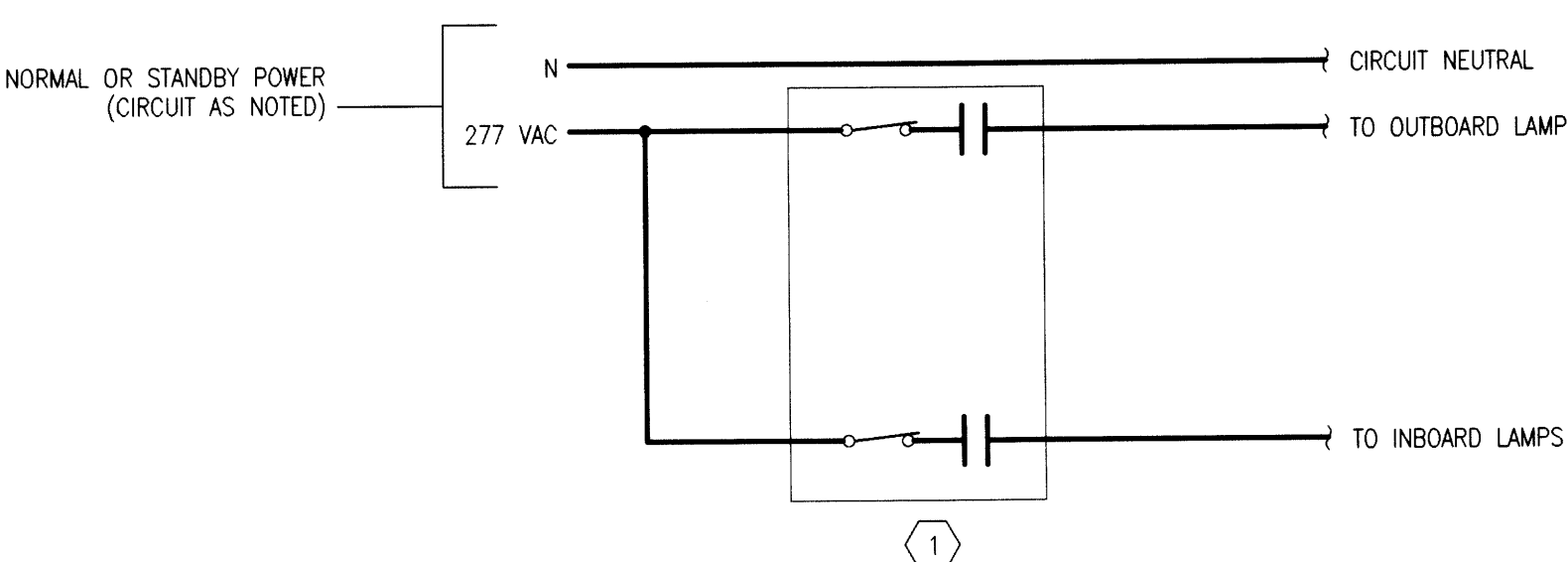


DETAIL NOTES

1. PROVIDE AN ELECTRICALLY HELD LIGHTING CONTACTOR IN A NEMA 1 ENCLOSURE LOCATED IN THE ACCESSIBLE CEILING SPACE. LIGHTING CONTACTOR SHALL BE 30A/2P (2ND POLE IS SPARE) WITH 277 VAC COIL, SQUARE D, CLASS 8903, TYPE LG20V04.
2. UPON FAILURE OF NORMAL POWER THE SWITCHED STANDBY LIGHTS SHALL FAIL "ON".

B2 DIAGRAM - CLASSROOM AND MULTI-LEVEL MANUAL LTG CONTROL

E5.01 SCALE: NONE

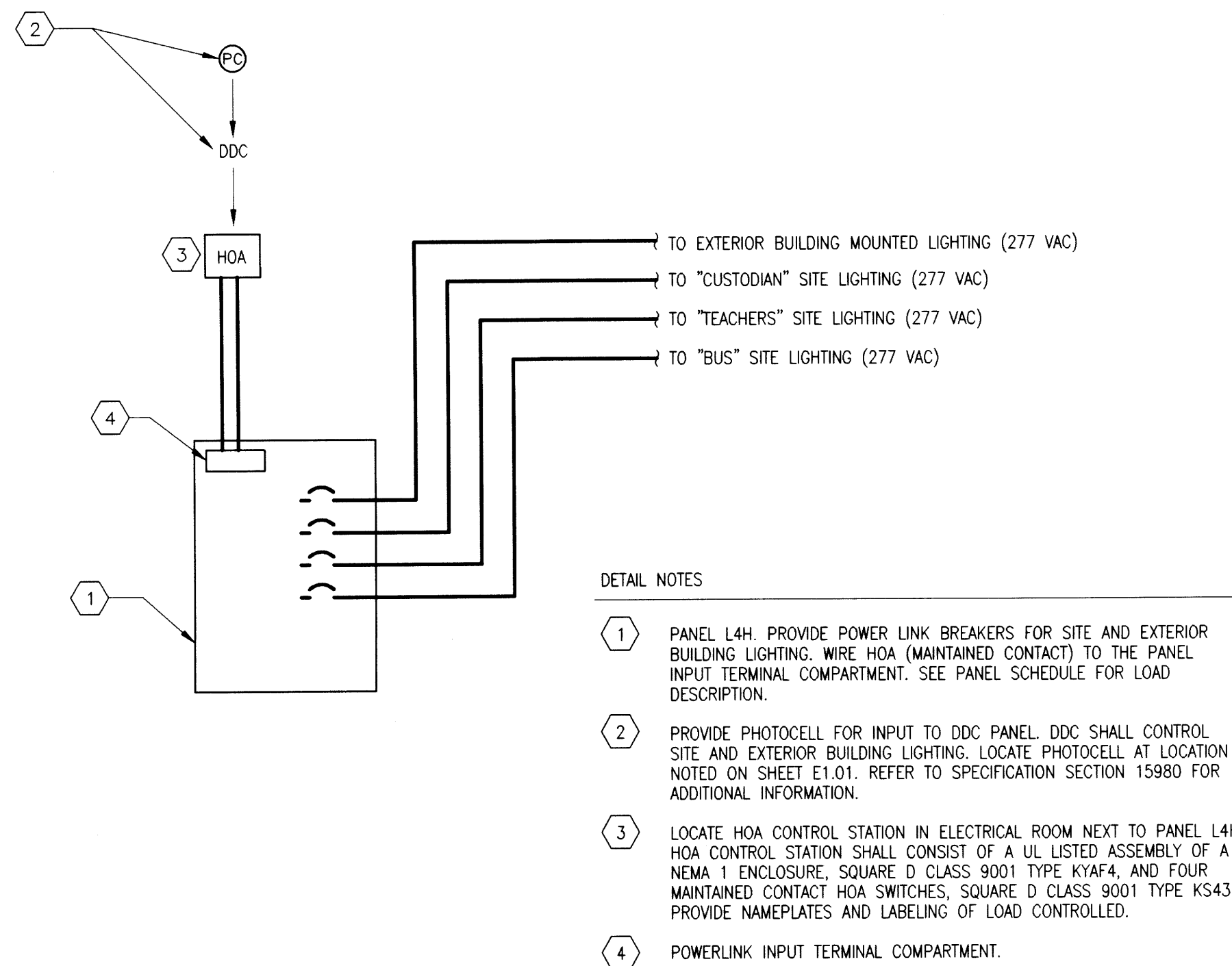


DETAIL NOTES

1. PROVIDE A PASSIVE INFRARED WALL SWITCH UNENCO SOM-10-2, OR AS APPROVED. LOCATE AND CIRCUIT AS SHOWN ON THE FLOOR PLANS.

B4 DIAGRAM - MULTI-LEVEL OCCUPANCY SENSOR LTG CONTROL

E5.01 SCALE: NONE

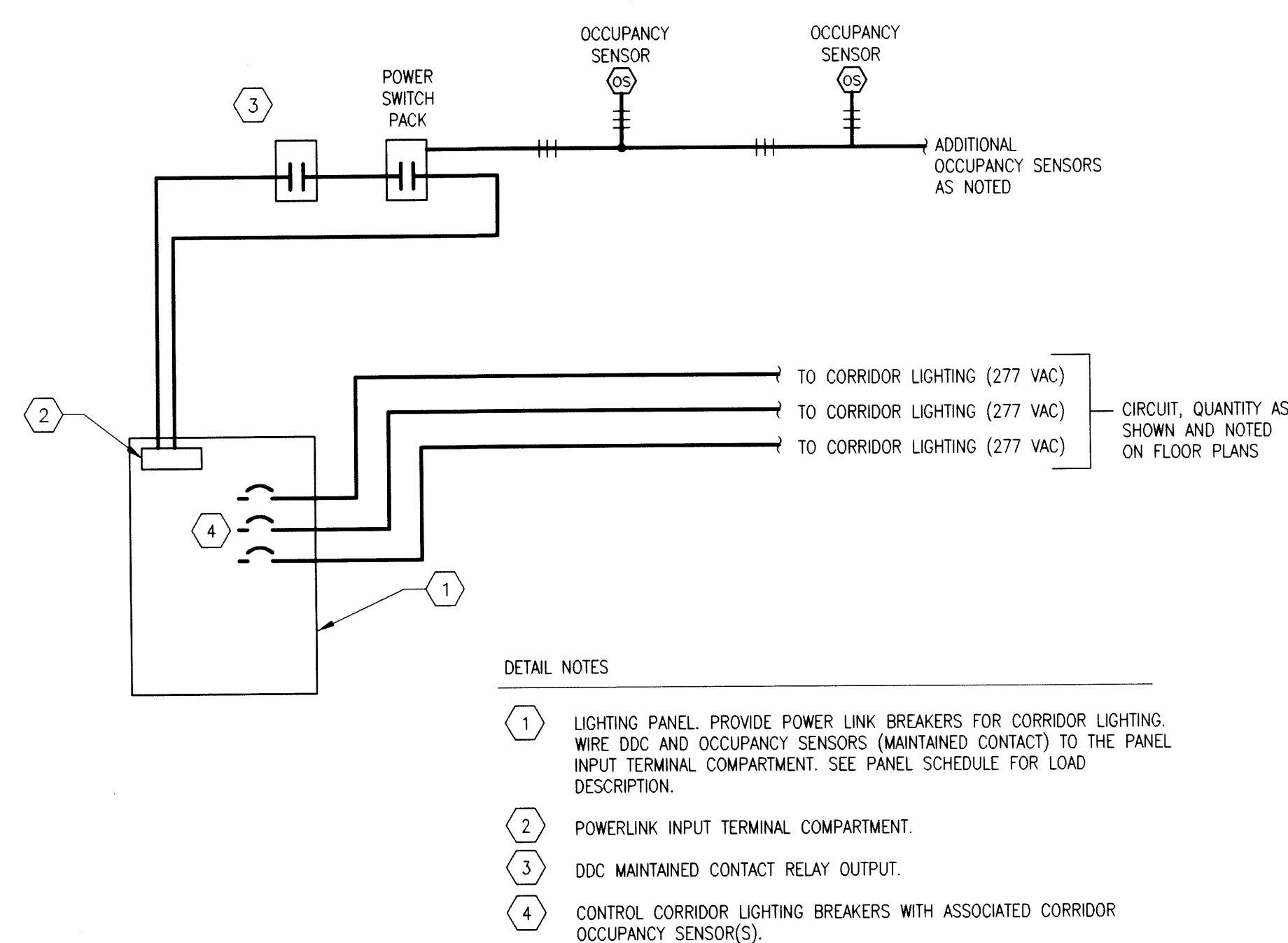


DETAIL NOTES

1. PANEL L4H: PROVIDE POWER LINK BREAKERS FOR SITE AND EXTERIOR BUILDING LIGHTING. WIRE HOA (MAINTAINED CONTACT) TO THE PANEL INPUT TERMINAL COMPARTMENT. SEE PANEL SCHEDULE FOR LOAD DESCRIPTION.
2. PROVIDE PHOTOCELL FOR INPUT TO DDC PANEL. DDC SHALL CONTROL SITE AND EXTERIOR BUILDING LIGHTING. LOCATE PHOTOCELL AT LOCATION NOTED ON SHEET E1.01. REFER TO SPECIFICATION SECTION 15980 FOR ADDITIONAL INFORMATION.
3. LOCATE HOA CONTROL STATION IN ELECTRICAL ROOM NEXT TO PANEL L4H. HOA CONTROL STATION SHALL CONSIST OF A UL LISTED ASSEMBLY OF A NEMA 1 ENCLOSURE, SQUARE D CLASS 9001 TYPE KYAF4, AND FOUR MAINTAINED CONTACT HOA SWITCHES, SQUARE D CLASS 9001 TYPE KS43B. PROVIDE NAMEPLATES AND LABELING OF LOAD CONTROLLED.
4. POWERLINK INPUT TERMINAL COMPARTMENT.

D1 DIAGRAM - SITE AND BUILDING MOUNTED LIGHTING

E5.01 SCALE: NONE

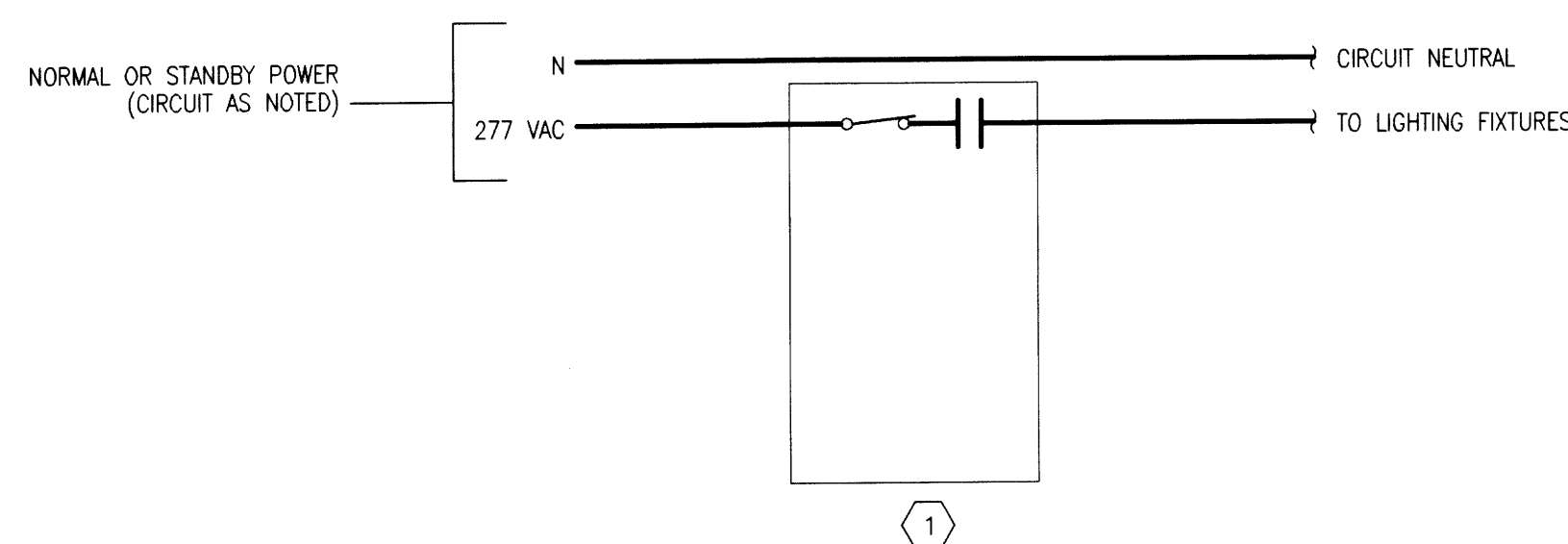


DETAIL NOTES

1. LIGHTING PANEL: PROVIDE POWER LINK BREAKERS FOR CORRIDOR LIGHTING. WIRE DDC AND OCCUPANCY SENSORS (MAINTAINED CONTACT) TO THE PANEL INPUT TERMINAL COMPARTMENT. SEE PANEL SCHEDULE FOR LOAD DESCRIPTION.
2. POWERLINK INPUT TERMINAL COMPARTMENT.
3. DDC MAINTAINED CONTACT RELAY OUTPUT.
4. CONTROL CORRIDOR LIGHTING BREAKERS WITH ASSOCIATED CORRIDOR OCCUPANCY SENSOR(S).

B1 DIAGRAM - TYPICAL CORRIDOR LIGHTING CONTROL

E5.01 SCALE: NONE

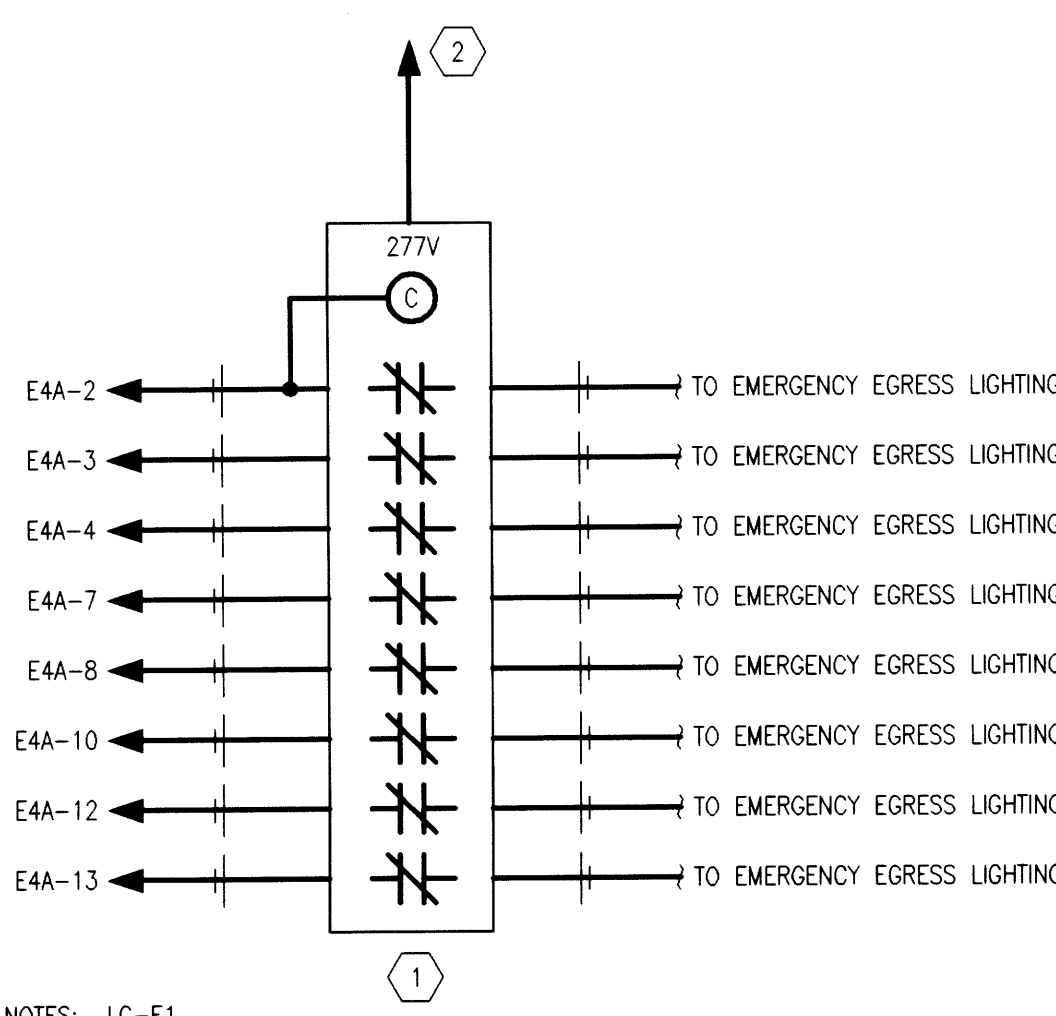


DETAIL NOTES

1. PROVIDE A PASSIVE INFRARED WALL SWITCH UNENCO SOM-10-1, OR AS APPROVED. LOCATE AND CIRCUIT AS SHOWN ON THE FLOOR PLANS.

A1 DIAGRAM - SINGLE LEVEL OCCUPANCY SENSOR LTG CONTROL

E5.01 SCALE: NONE

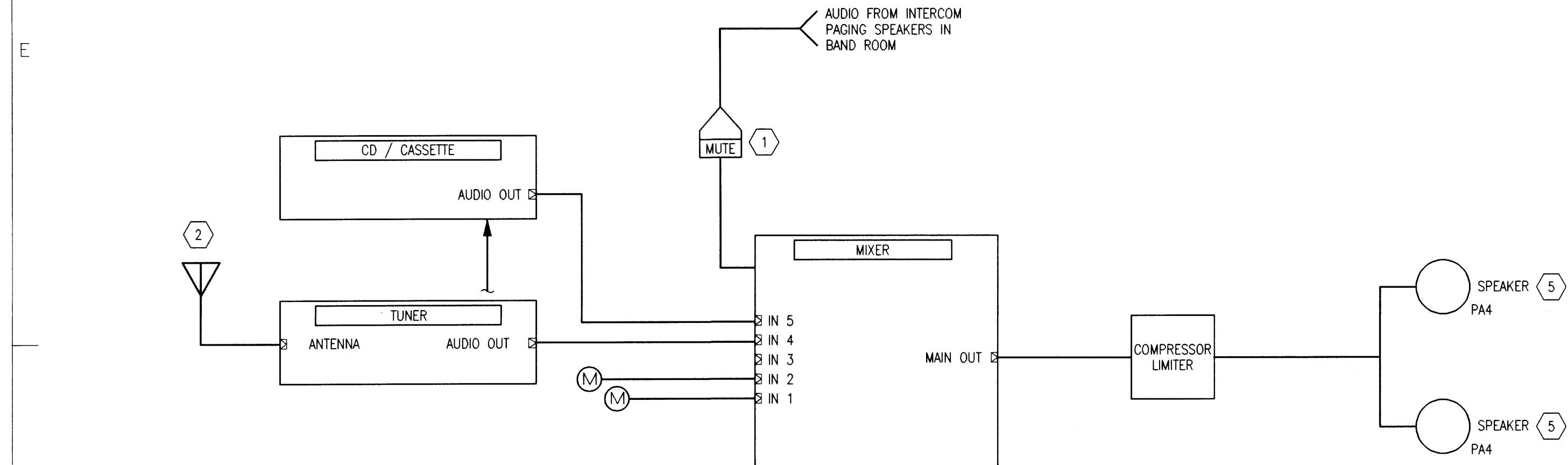


NOTES: LC-E1

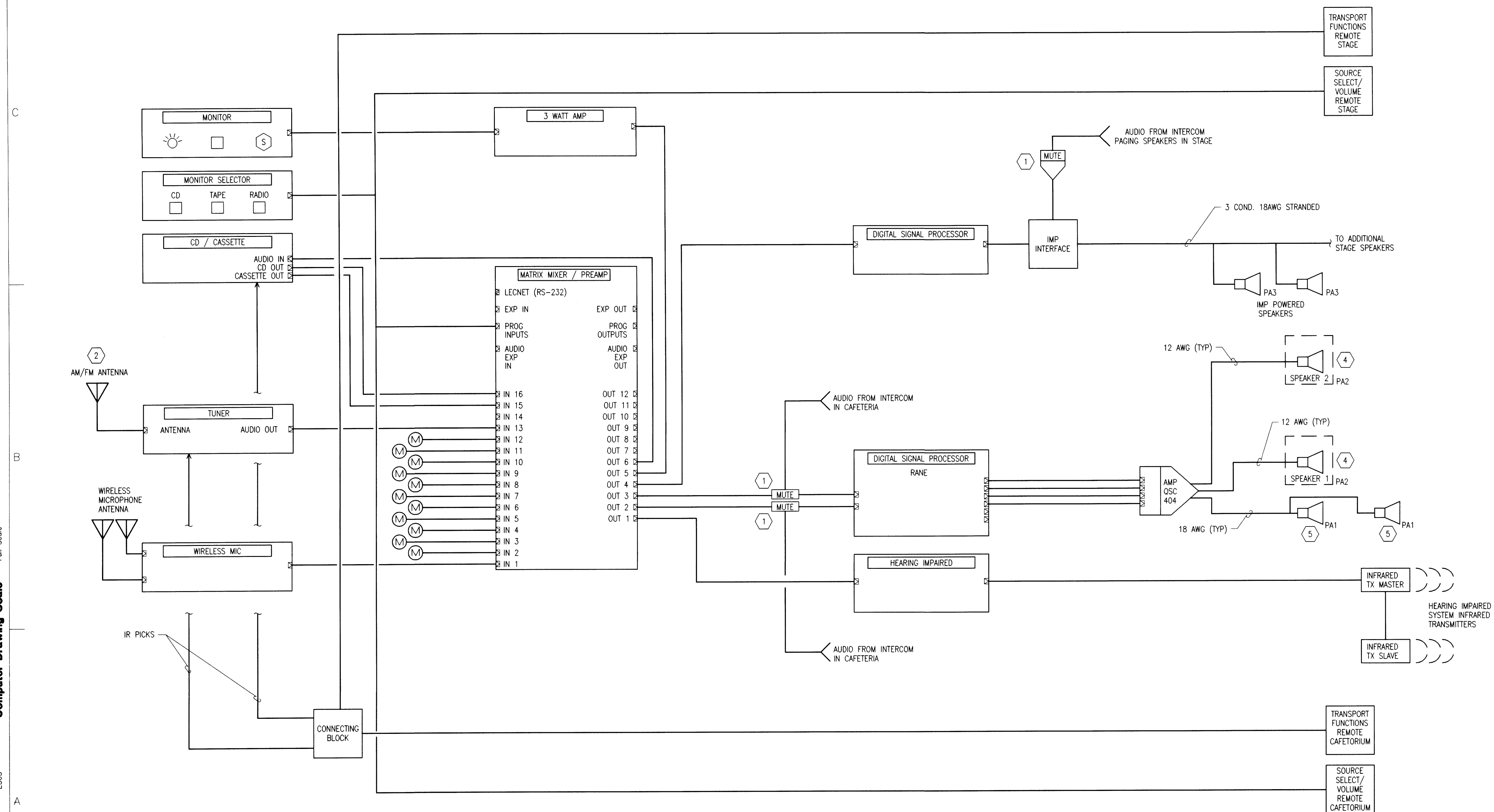
1. PROVIDE SQUARE 'D' ELECTRICALLY HELD CONTACTOR, 12 POLE (4 SPARE POLES), 30AMP, 277V. LOCATE CONTACTOR IN ELECTRICAL ROOM, C119. PROVIDE ENGRAVED NAMEPLATE ON CONTACTOR, "LC-E1 EGRESS LTS".
2. CONNECT TO BUILDING CONTROL SYSTEM TO PROVIDE ON/OFF CONTROL OF EMERGENCY EGRESS LIGHTS DURING UNOCCUPIED TIMES ONLY. LIGHTS SHALL FAIL ON UPON LOSS OF BUILDING POWER. PROVIDE CONDUIT AND WIRING TO BCS INTERFACE POINT FOR FINAL CONNECTION BY DIVISION 15. COORDINATE EXACT LOCATION OF BCS INTERFACE POINT WITH DIVISION 15.

B3 DIAGRAM - EMERGENCY EGRESS LTG CONTROL

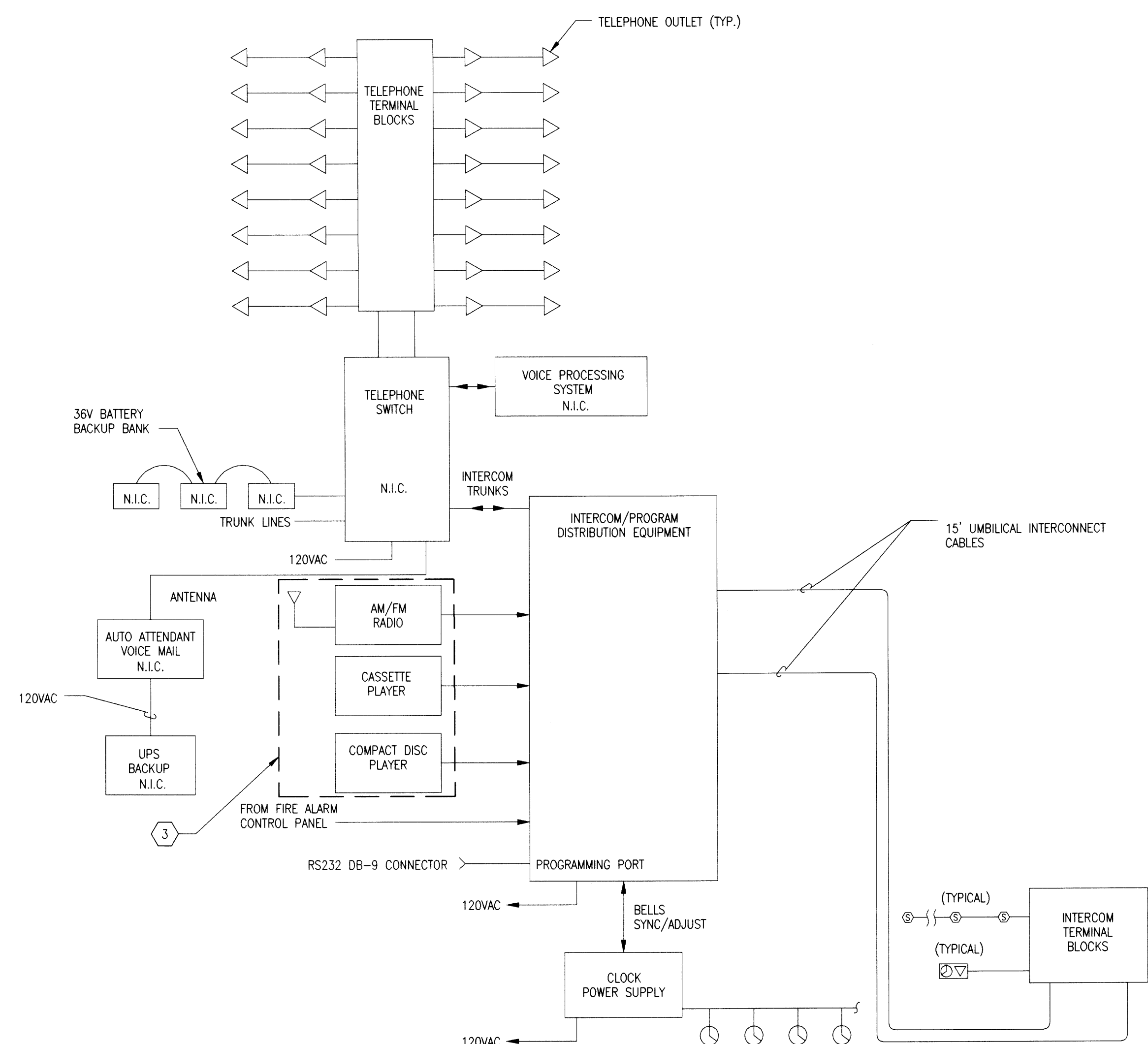
E5.01 SCALE: NONE



D1 DIAGRAM – BAND SOUND SYSTEM
E5.03 SCALE: NONE



A1 DIAGRAM – CAFETORIUM & PLATFORM SOUND SYSTEM
E5.03 SCALE: NONE



A3 DIAGRAM – TELECOMMUNICATIONS SYSTEM RISER DIAGRAM
E5.03 SCALE: NONE

SHEET NOTES

- 1 PROVIDE AUDIO CONTROL RELAY TO MUTE SYSTEM SPEAKERS DURING AN INTERCOM PAGE.
- 2 REFER TO DETAIL ON SHEET C4/E5.04 FOR ADDITIONAL INFORMATION.
- 3 REMOTE PROGRAM SOURCE RACK LOCATED IN THE MAIN OFFICE AREA.
- 4 SURFACE WALL MOUNT AS SHOWN ON PLANS. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
- 5 WALL MOUNT AS SHOWN ON PLANS. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

Architects
Alaska
An Alaskan Corporation
Architecture
Landscape Architecture
Interior Architecture
900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567
191 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503

ENGINEERS
Adams, Morgenstern and Company, Inc.
3335 Denali Street, Suite 400
Anchorage, Alaska 99503-0088
fax 907-272-5565
phone 907-272-0431

00501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions

No.	Description	Date

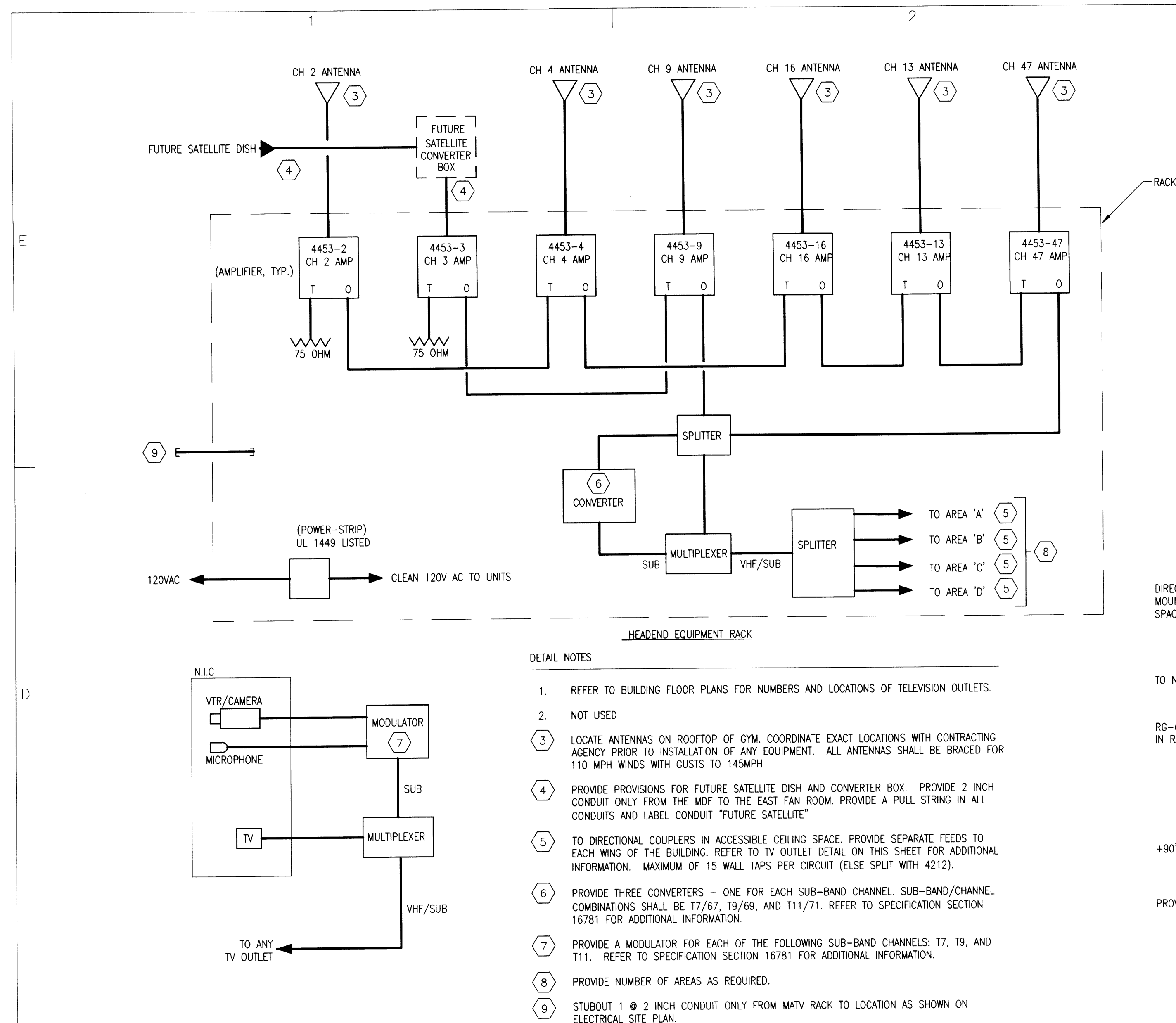
Drawn by TDD
Checked EEP
Date 12-29-2000
Job No. 00003.01

Sheet Contents

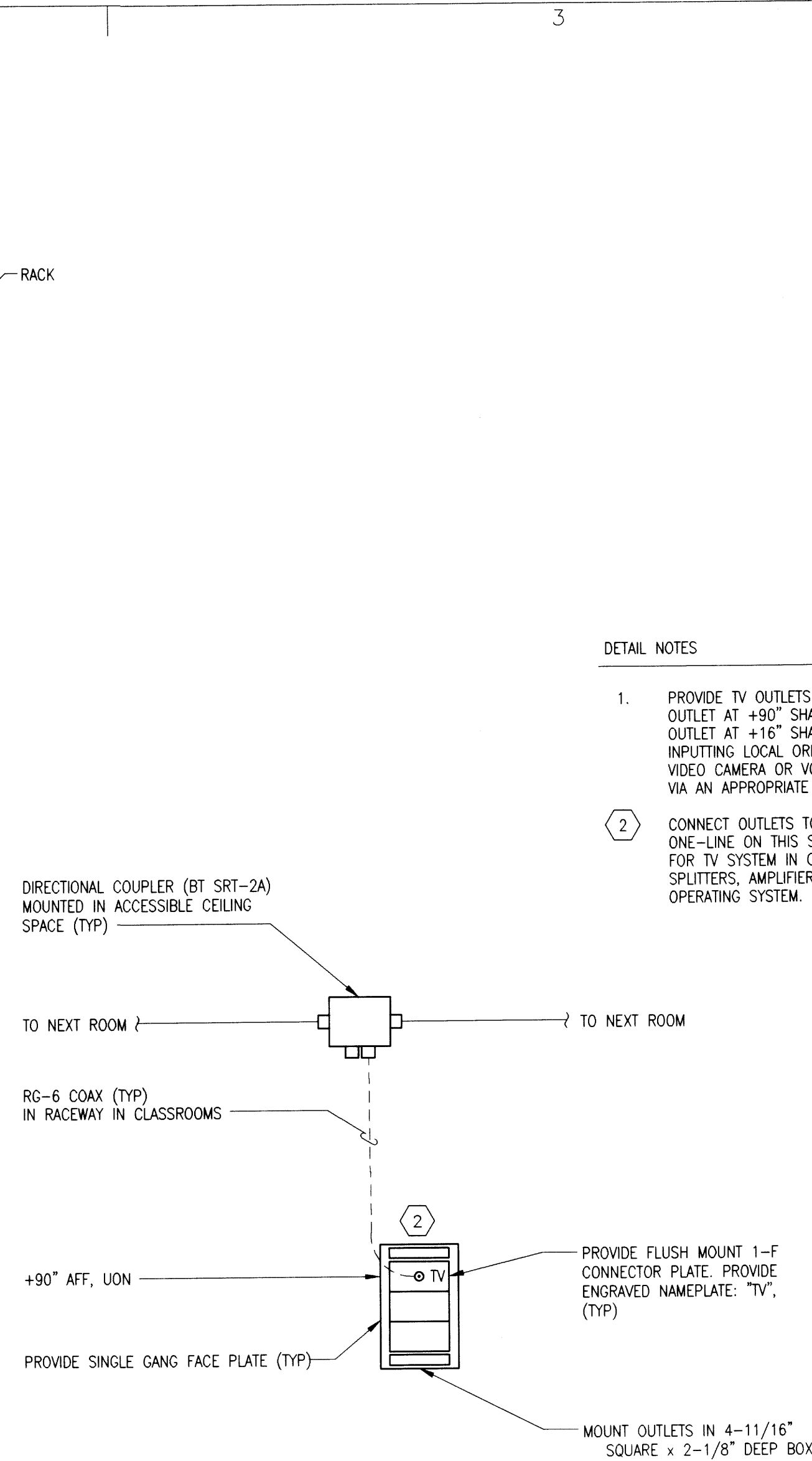
DIAGRAMS - SPECIAL SYSTEMS

Discipline E
Sheet No. 5.03

THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP



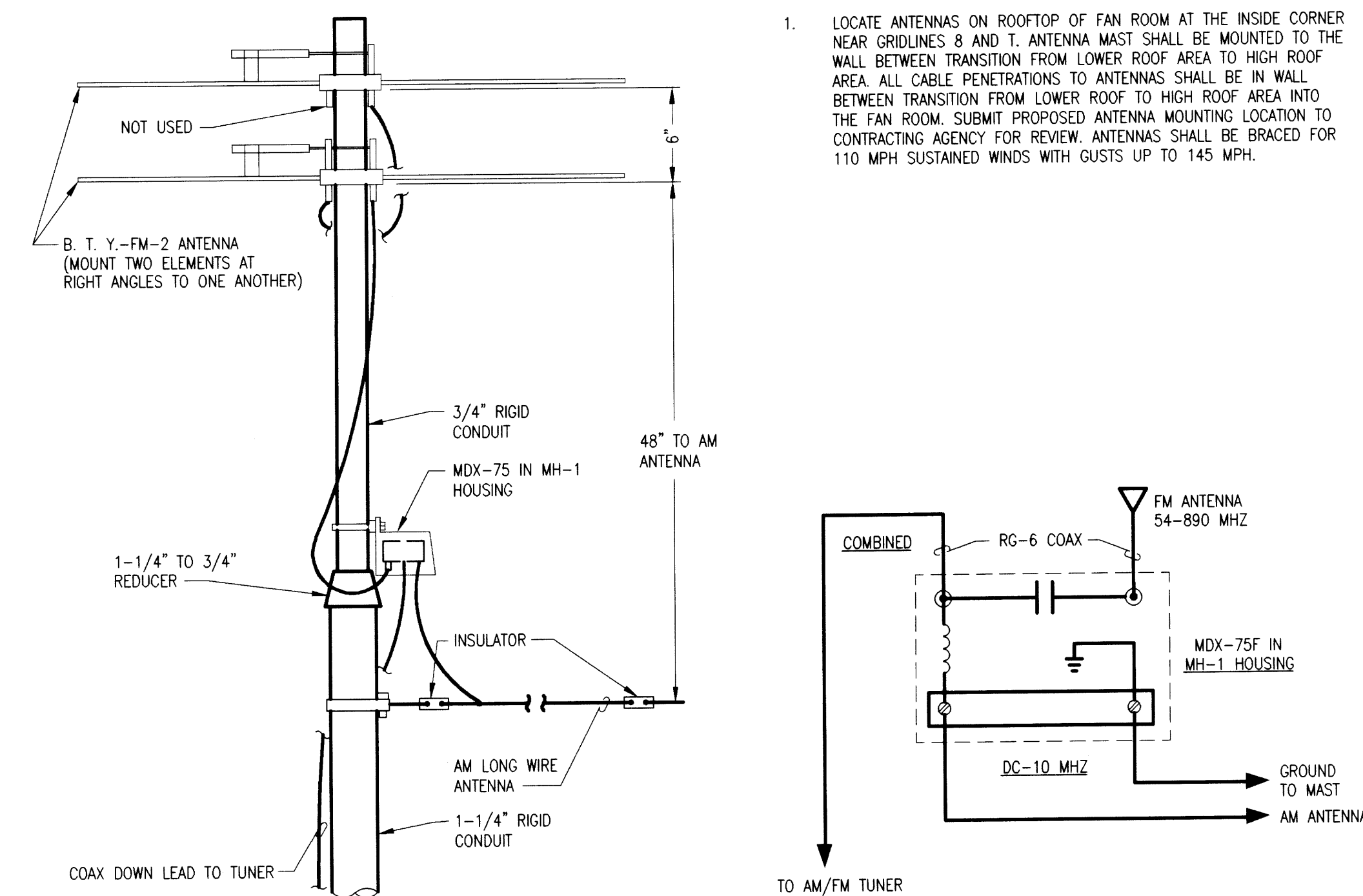
C1 DIAGRAM - MATV ONE-LINE
E5.04 SCALE: NONE



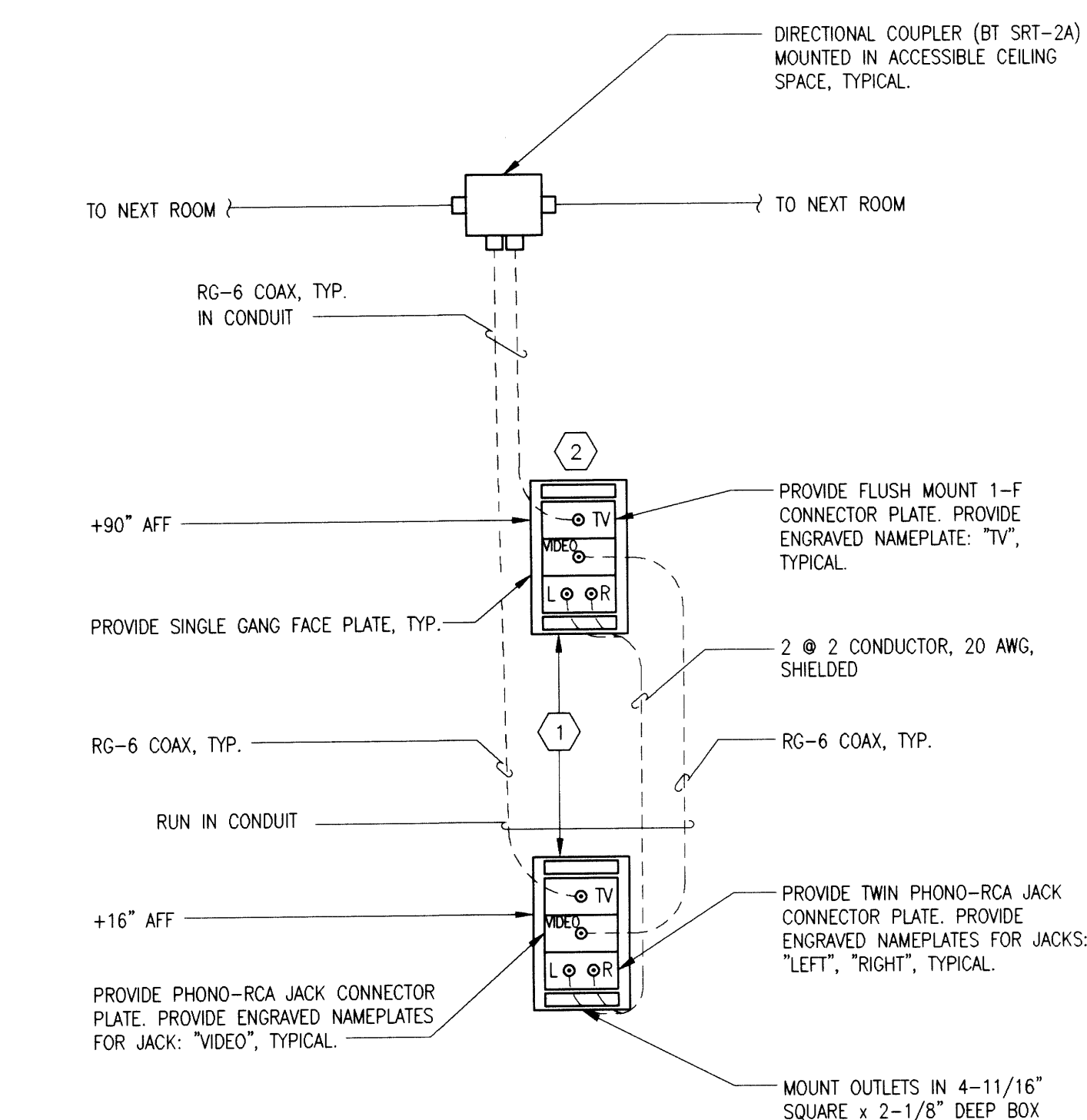
C2
E5.04

DETAIL - MATV OUTLET

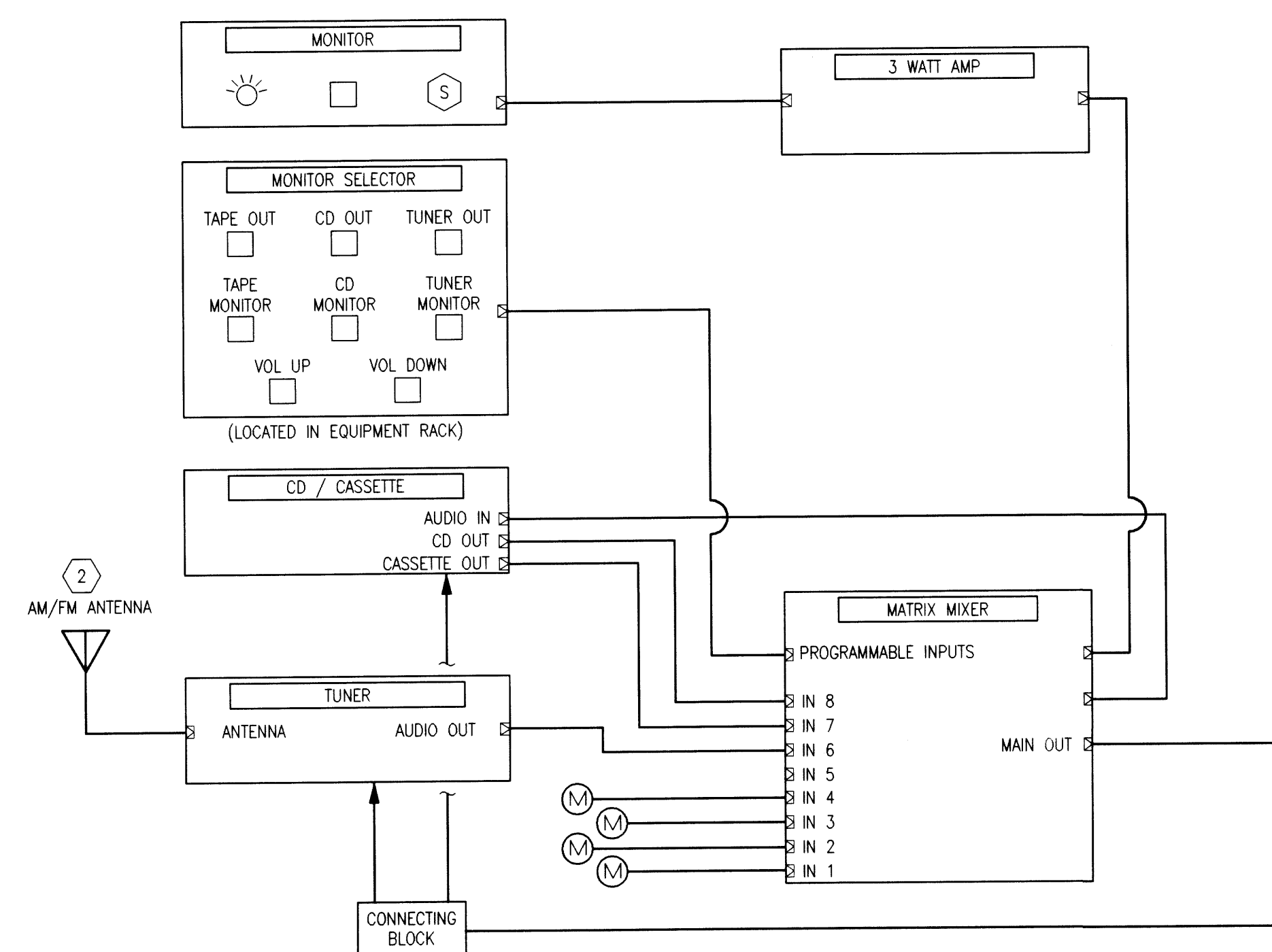
SCALE: NONE



C4 DETAIL - AM/FM ANTENNA SYSTEM
E5.04 SCALE: NONE



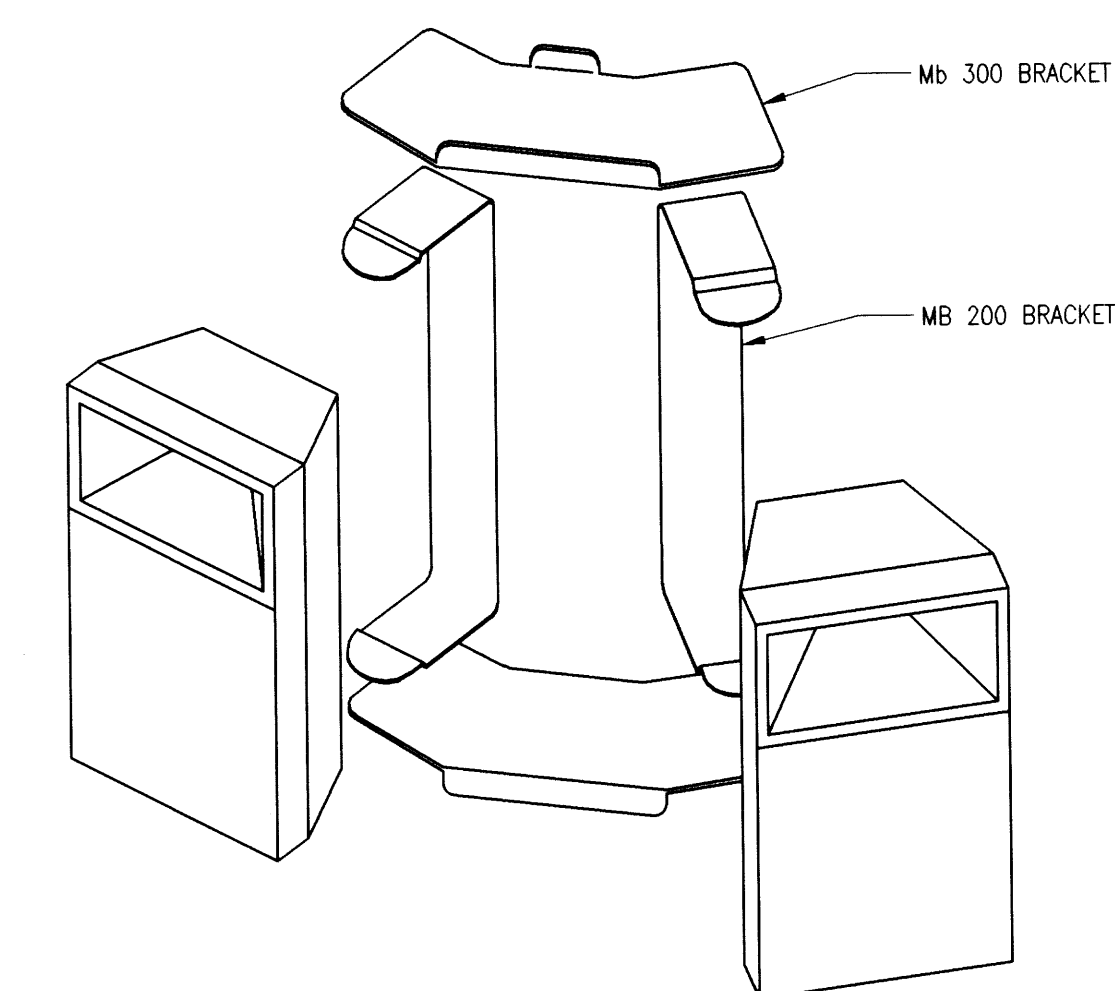
DETAIL - MATV OUTLET, +16 " AFF & +90 " AFF



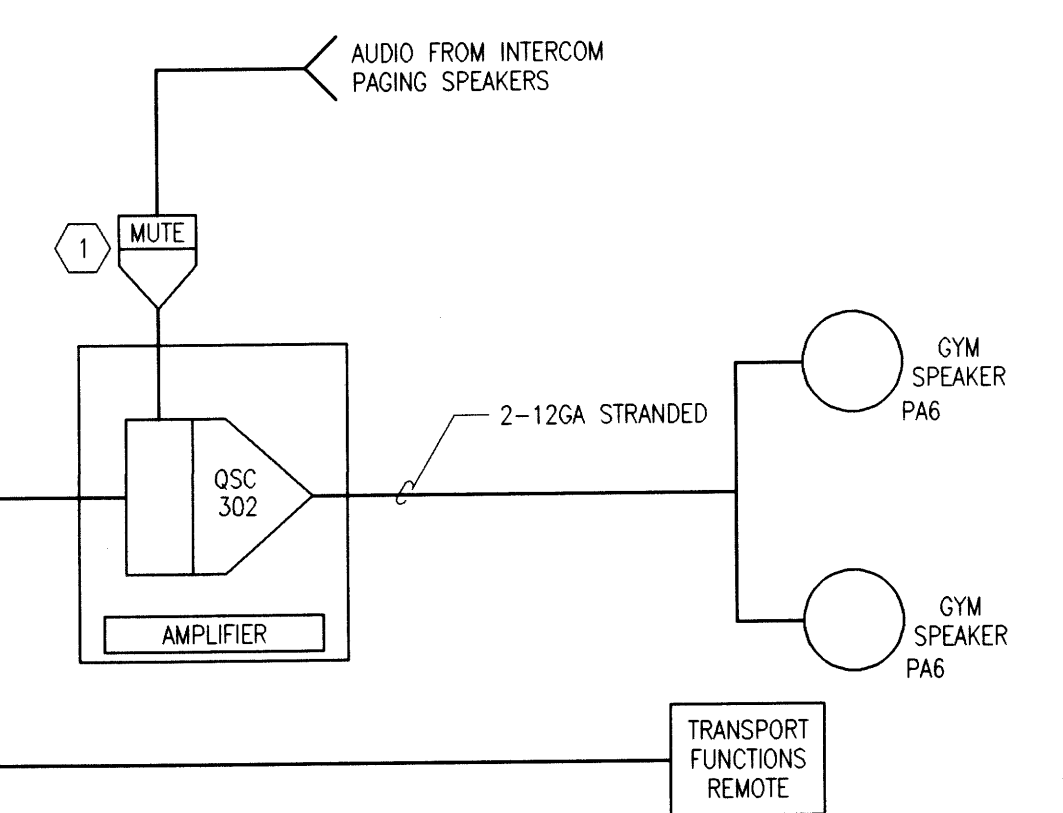
A3
E5.04

DIAGRAM – GYM SOUND SYSTEM

SCALE: NONE



B4 GYM SPEAKER FLY MOUNT
E5.04 SCALE: NONE



THESE PROJECT RECORD DOCUMENTS HAVE BEEN
MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED
BY THE CONTRACTOR. AMC ENGINEERS HAS
NOT FIELD VERIFIED THIS INFORMATION AND
DOES NOT CERTIFY THE COMPLETENESS AND/OR
ACCURACY OF THESE DOCUMENTS.

DATE: 09-17-2003 BY: EEP

[illegible]

Drawn by TDD	Date 12-29-2000
Checked EEP	Job No. 00003.01

Sheet Contents

DIAGRAMS - SPECIAL SYSTEMS

Discipline	Sheet No.
E	5.04

00501

©

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions

No.	Description	Date

Drawn by	Date
TDD	12-29-2000
Checked	Job No.
EEP	00003.01

Sheet Contents

DETAILS AND DIAGRAMS

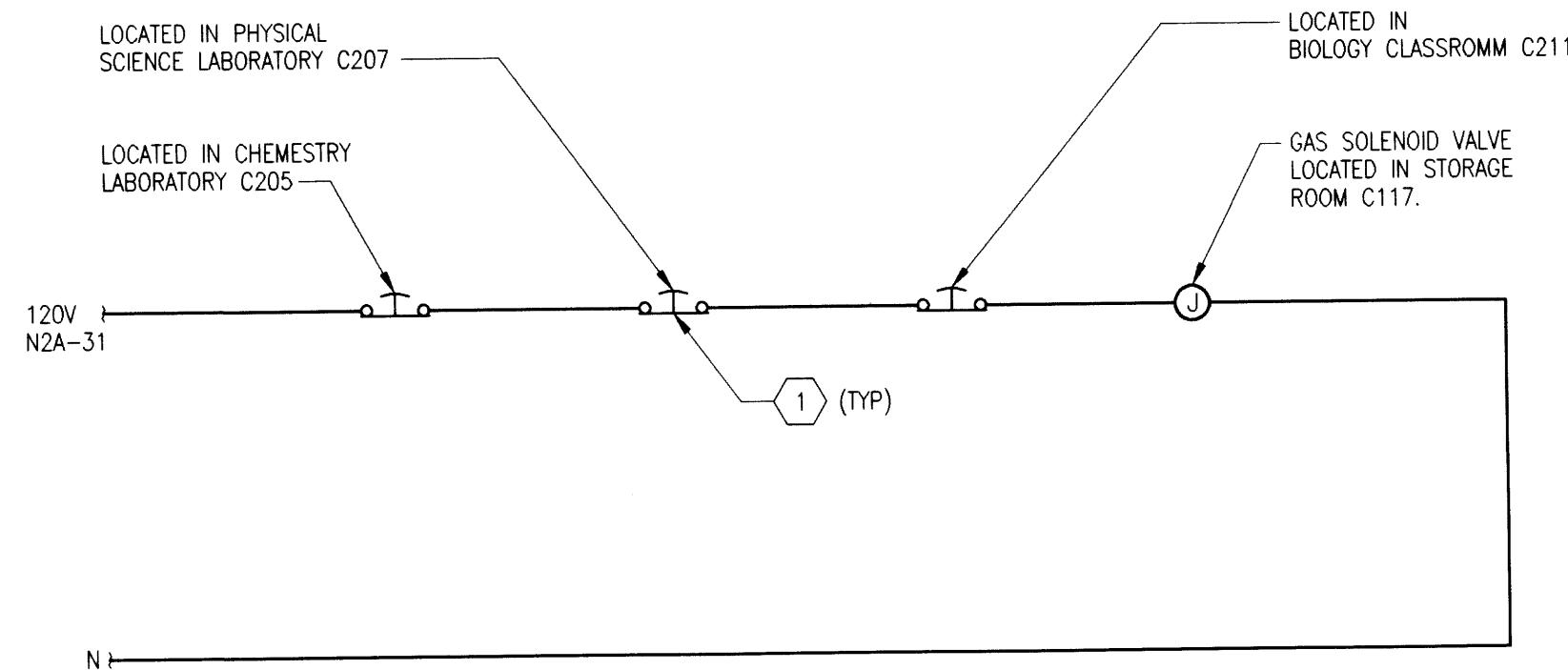
Discipline

E

Sheet No.

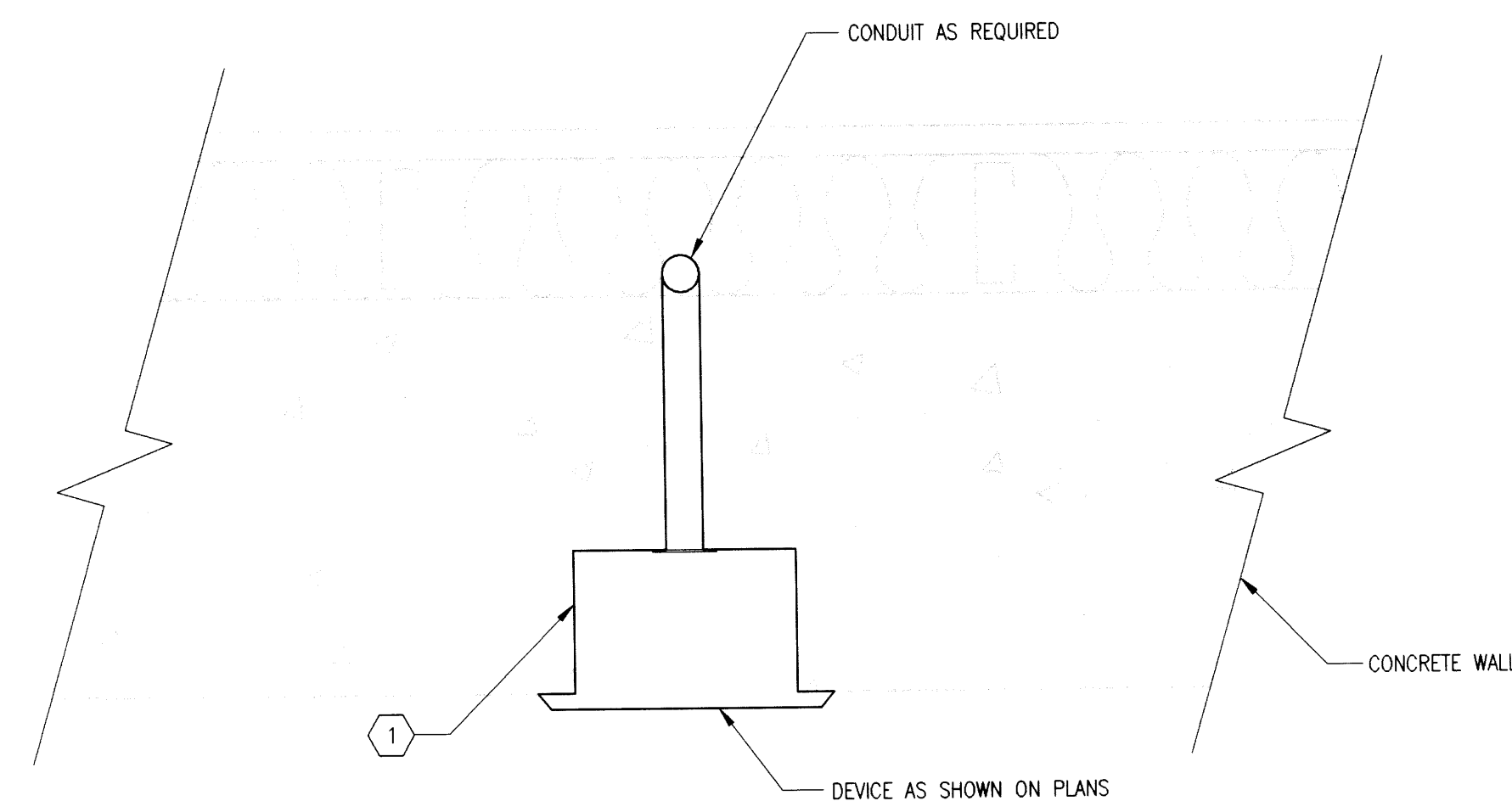
5.05

6C-01 P. 2.2.3



DETAIL NOTES

- (1) PROVIDE EMERGENCY OFF GAS KILL SWITCH. SPST, 20MM HEAD, RED, MAINTAINED CONTACT FOR CONTROL OF GAS SOLENOID. CONNECT SO THAT WHEN ANY SWITCH IS ACTIVATED THE GAS WILL BE SHUTOFF.

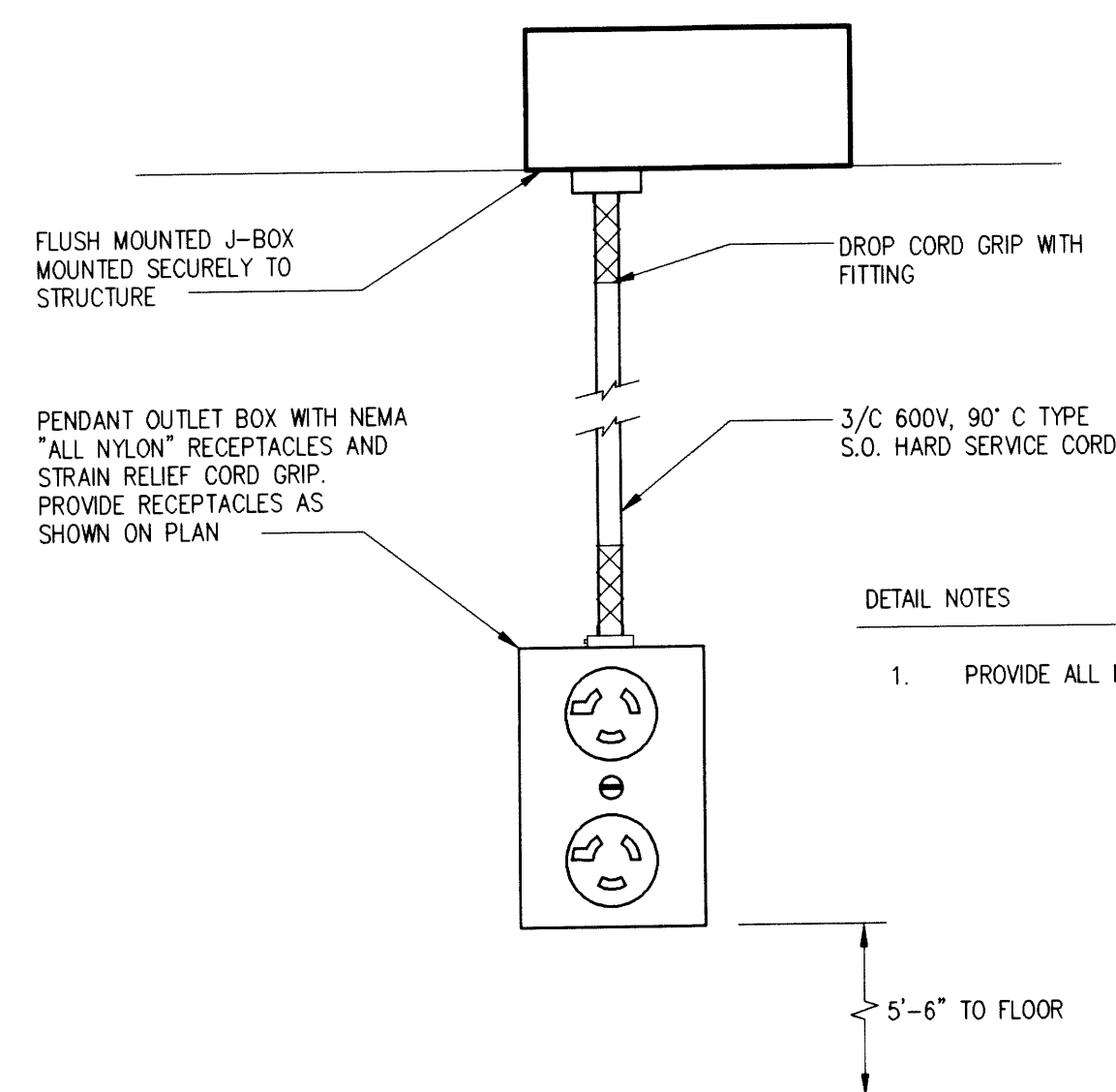


DETAIL NOTES

- (1) PROVIDE MASONRY BOX AS REQUIRED FOR DEVICE INSTALLATION. COORDINATE INSTALLATION WITH PRECAST CONCRETE WALL PROVIDER. DEVICES SHALL BE FLUSH MOUNTED.

C1 DETAIL - PULL BOX (NOT USED)

E5.05 SCALE: NONE

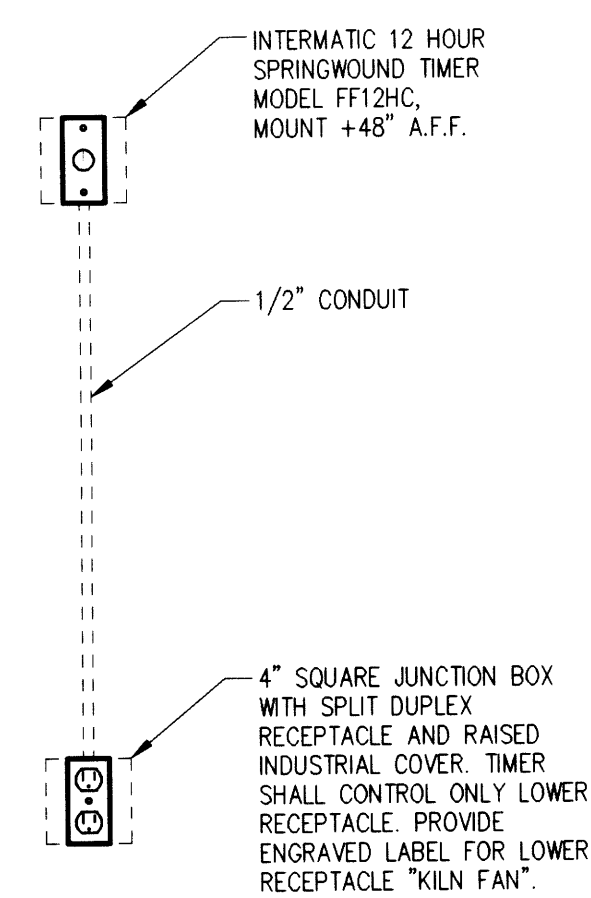


DETAIL NOTES

1. PROVIDE ALL MISC. COMPONENTS TO MAKE A COMPLETE ASSEMBLY.

B2 DETAIL - GAS SOLENOID CONTROL

E5.05 SCALE: NONE

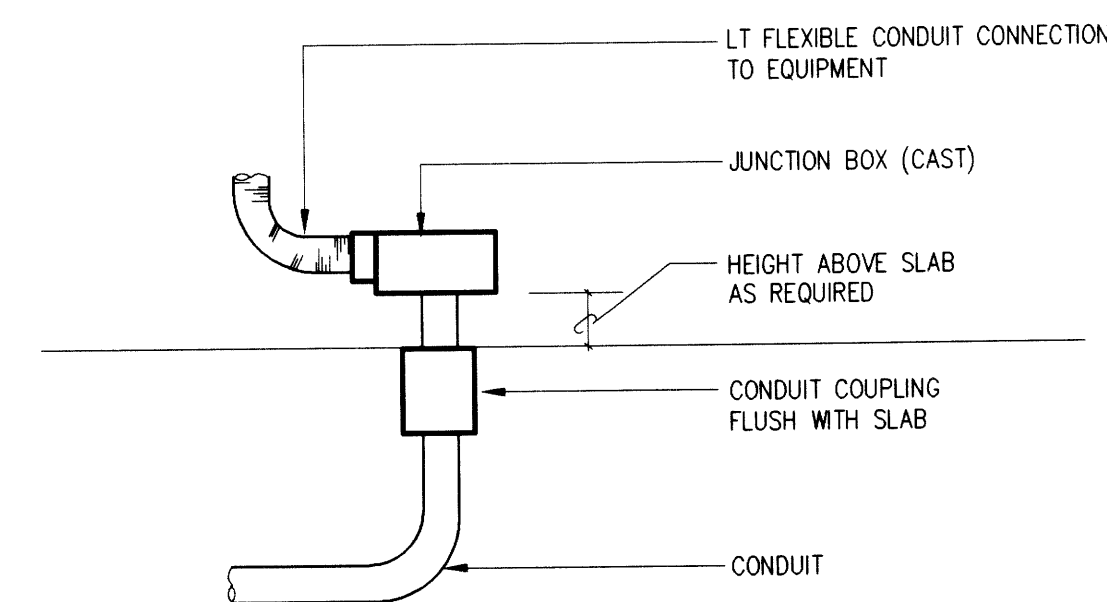


A2 DETAIL - KILN FAN CONTROL

E5.05 SCALE: NONE

B4 DETAIL - DEVICE MOUNTED IN PRE-CAST PANEL

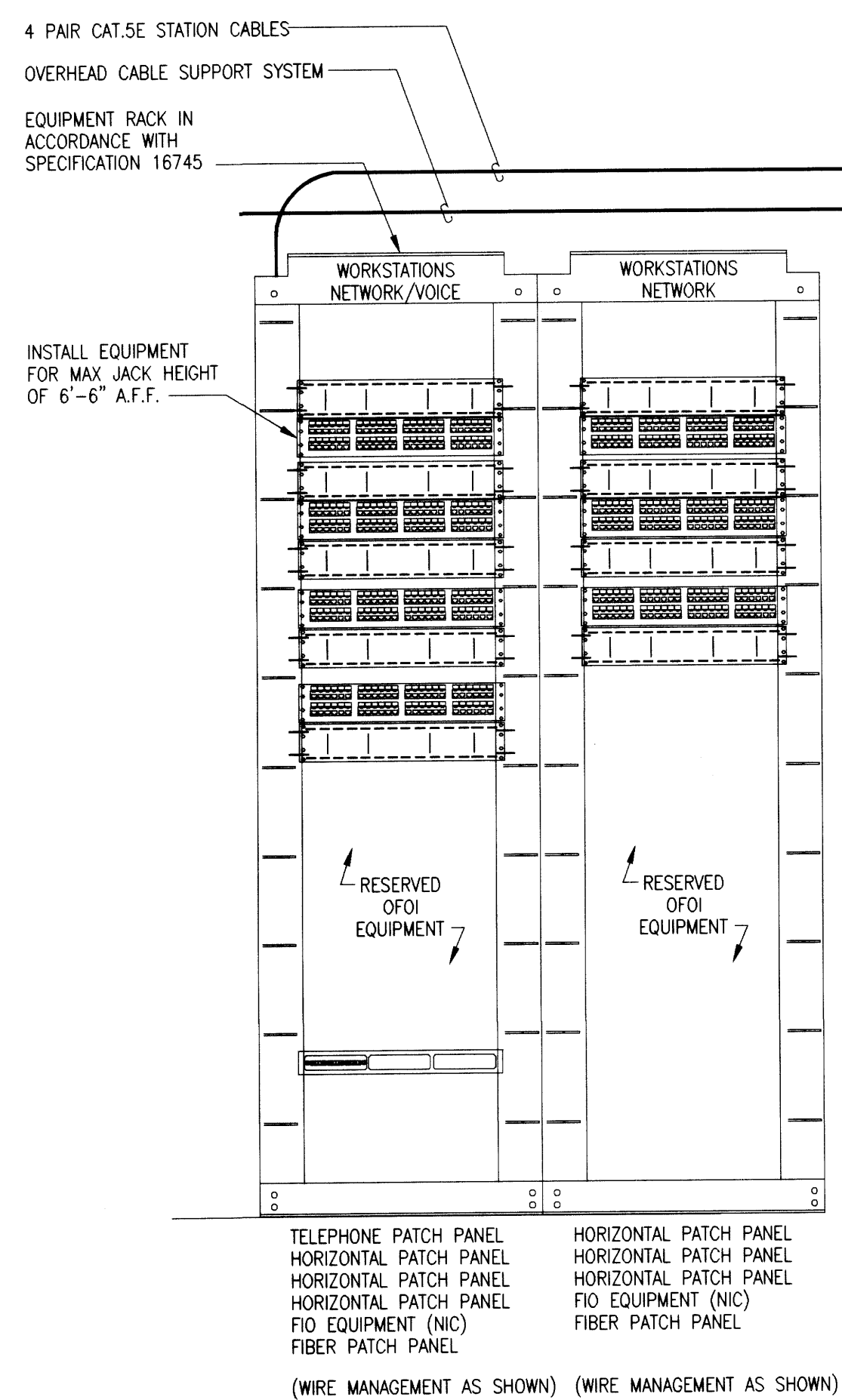
E5.05 SCALE: NONE



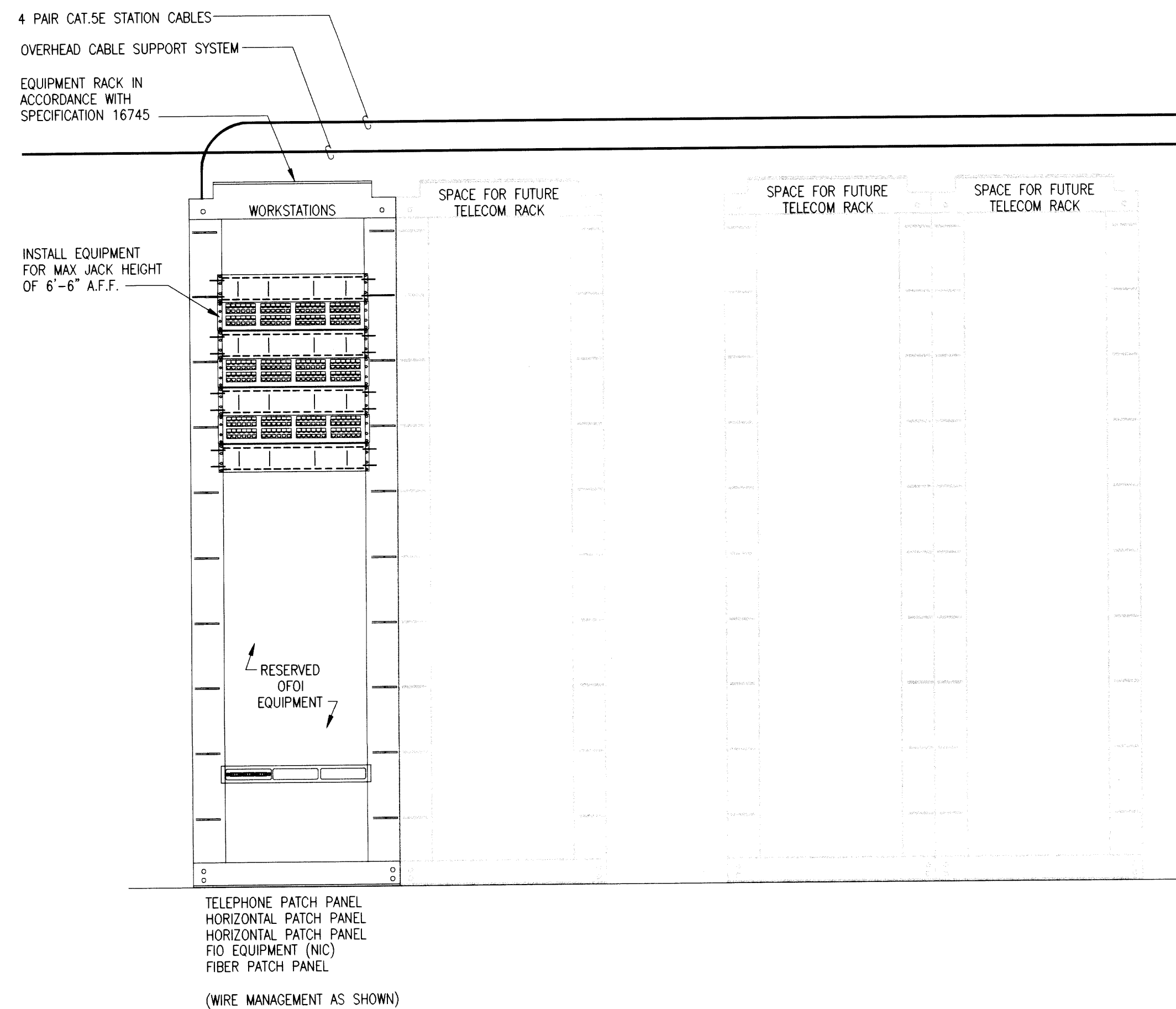
THESE PROJECT RECORD DOCUMENTS HAVE BEEN
MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED
BY THE CONTRACTOR. AMC ENGINEERS HAS
NOT FIELD VERIFIED THIS INFORMATION AND
DOES NOT CERTIFY THE COMPLETENESS AND/OR
ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP

A4 DETAIL - KITCHEN EQUIPMENT TYPICAL STUBUP

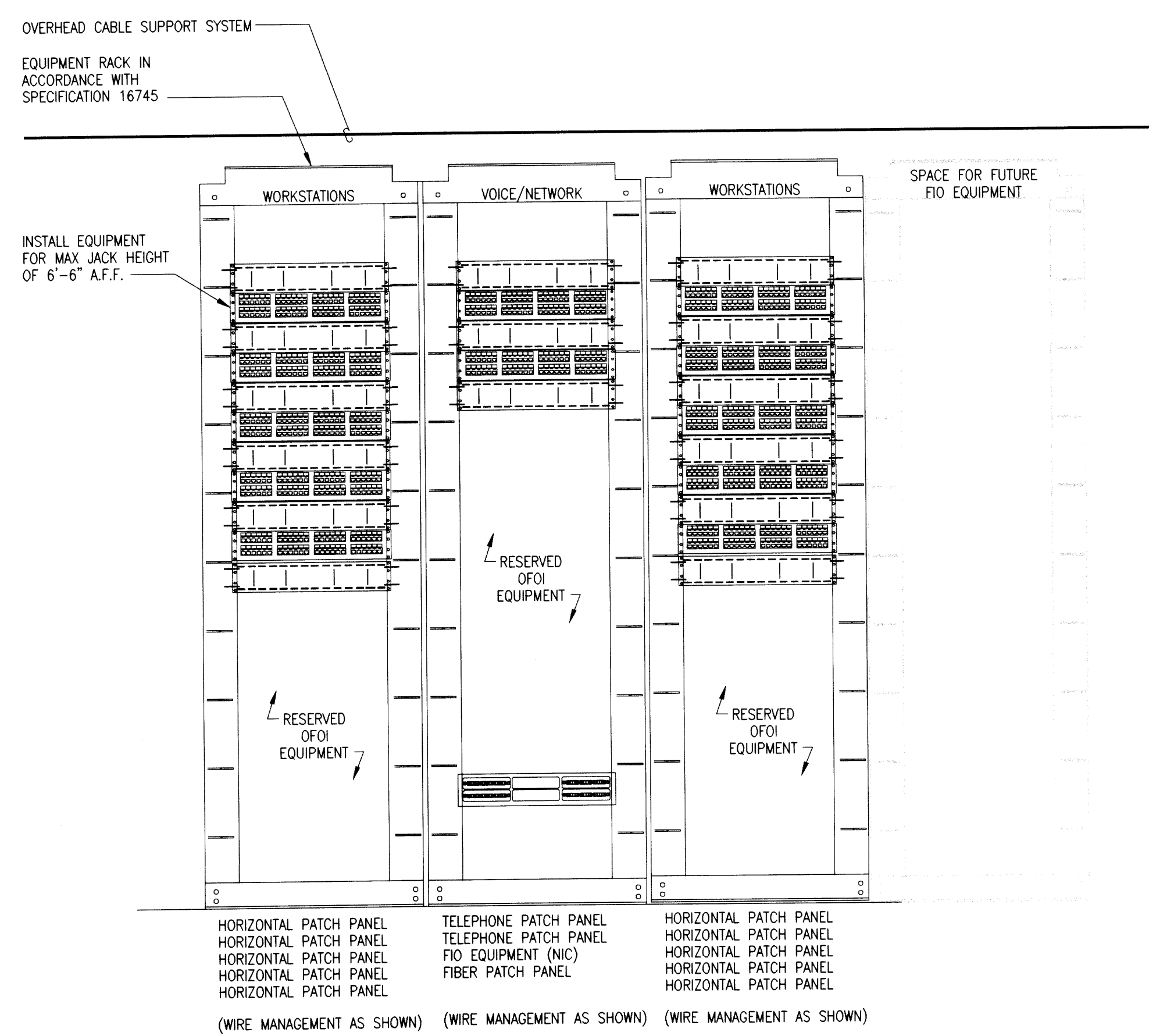
E5.05 SCALE: NONE



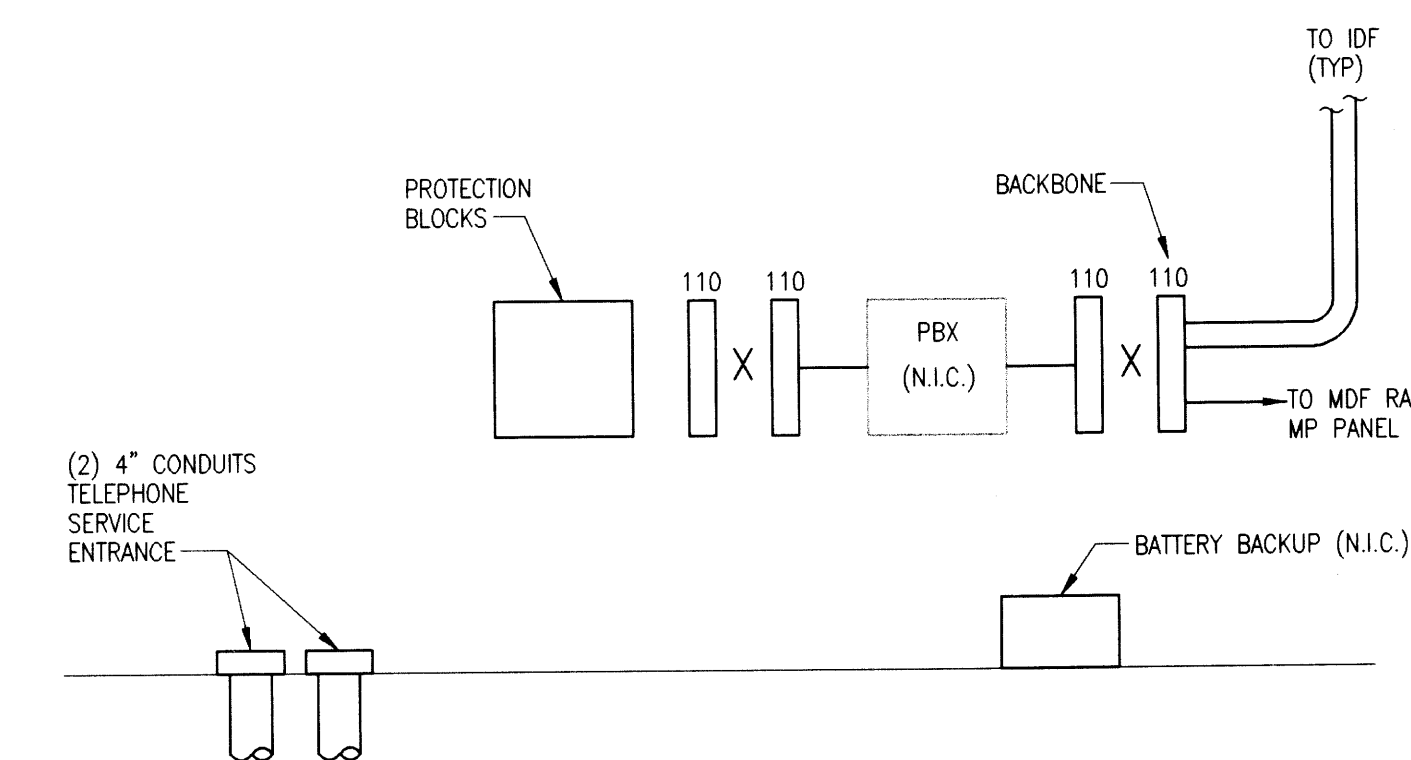
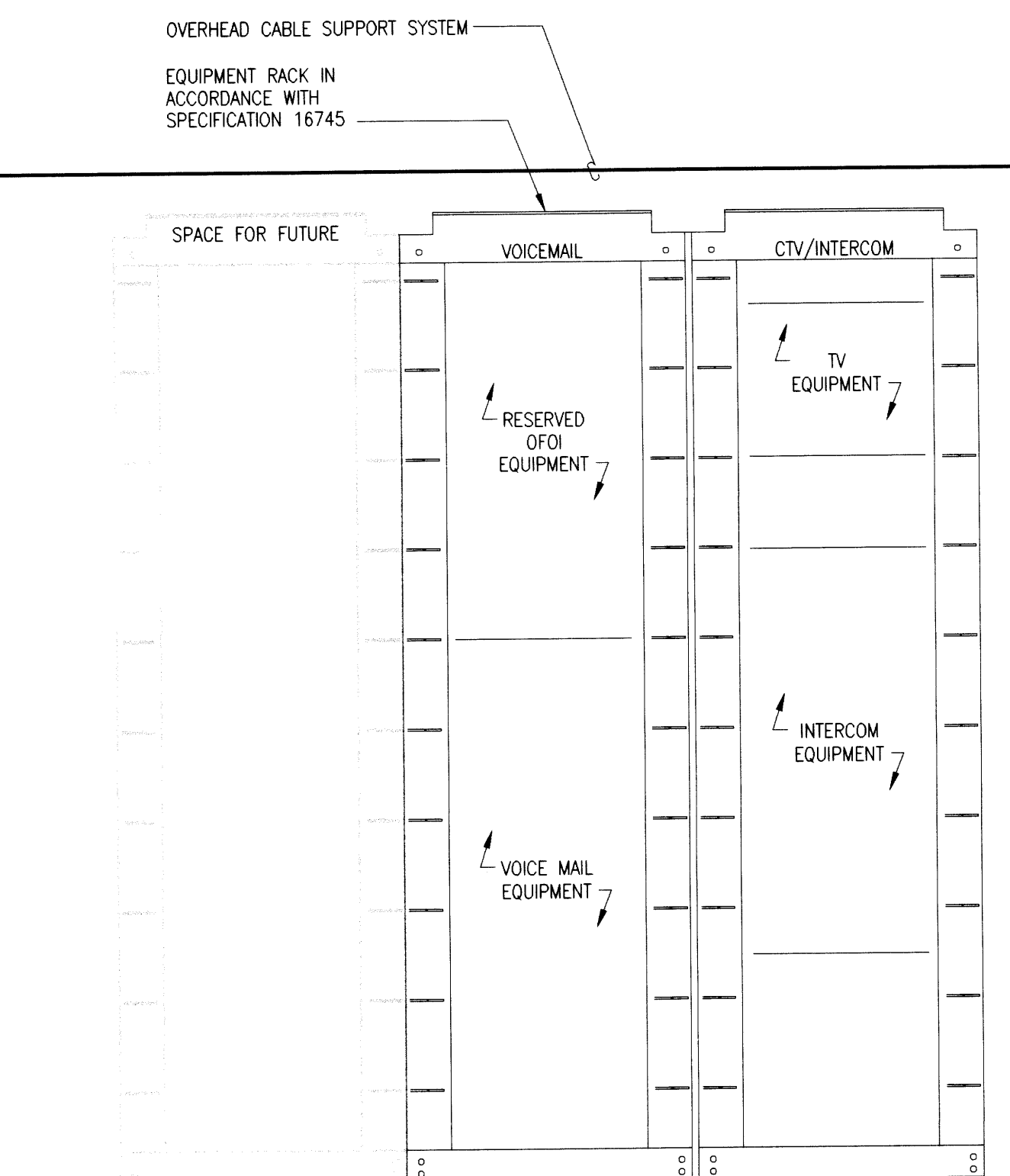
C1 IDF-1 RACK LAYOUT
E5.06 SCALE: NONE



C3 IDF-2 RACK LAYOUT
E5.06 SCALE: NONE



A1 MDF RACK LAYOUT
E5.06 SCALE: NONE



A4 MDF TELEPHONE ENTRANCE ELEVATION
E5.06 SCALE: NONE

THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION, AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP

Architects
Alaska
An Alaskan Corporation
Architecture
Landscape Architecture
Interior Architecture

900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567

191 E. Swanson Avenue
Koslo, Alaska 99604
(907) 773-1903

AMC ENGINEERS
Adams, Morgenthaler and Company, Inc.
3333 Denali Street, Suite 100
Anchorage, Alaska 99503-4088
Tel: 907-272-6683
Phone: 907-279-0431

00501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

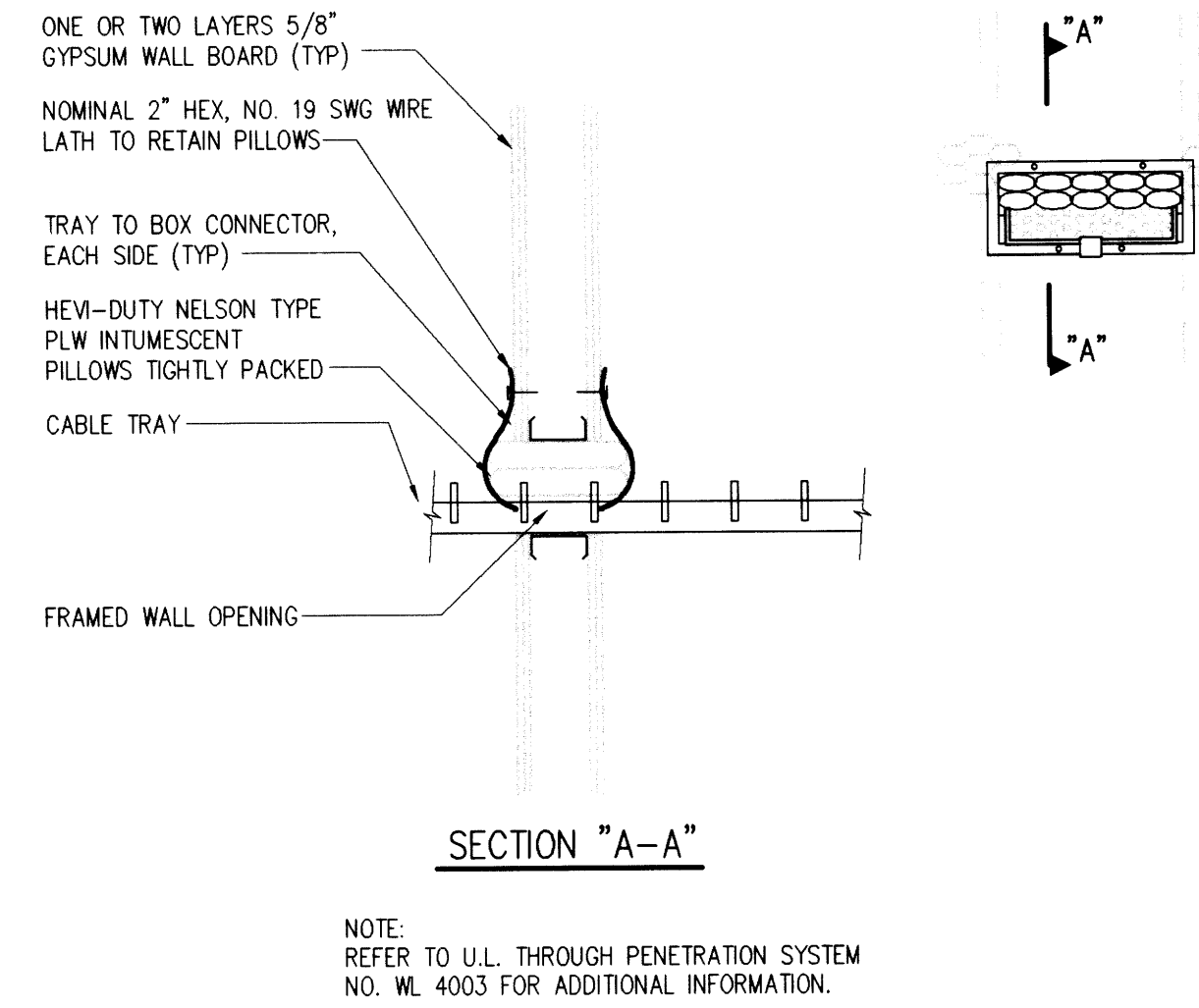
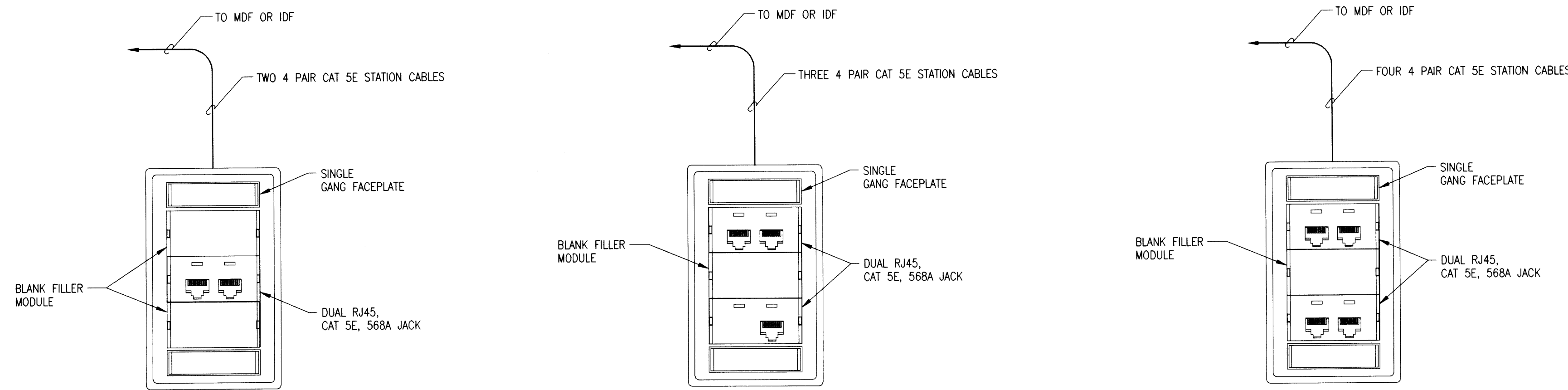
Revisions

No.	Description	Date

Drawn by Date
TDD 12-29-2000
Checked Job No.
EEP 00003.01

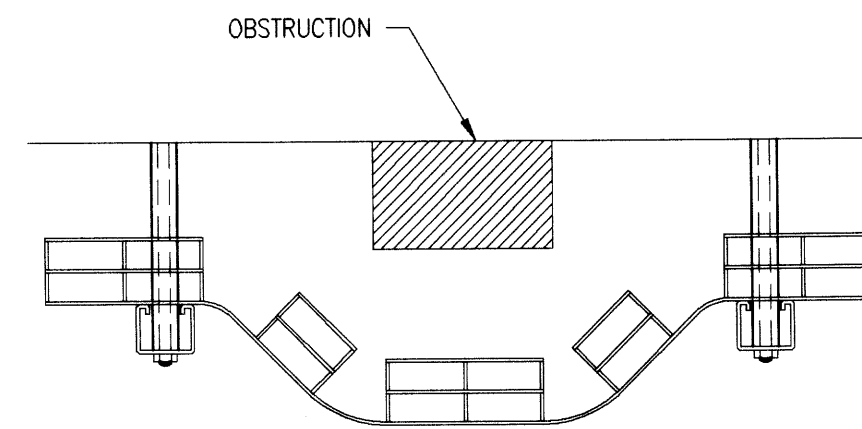
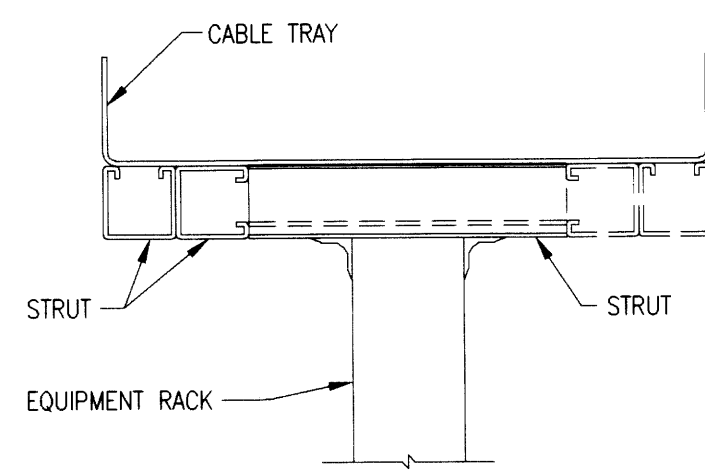
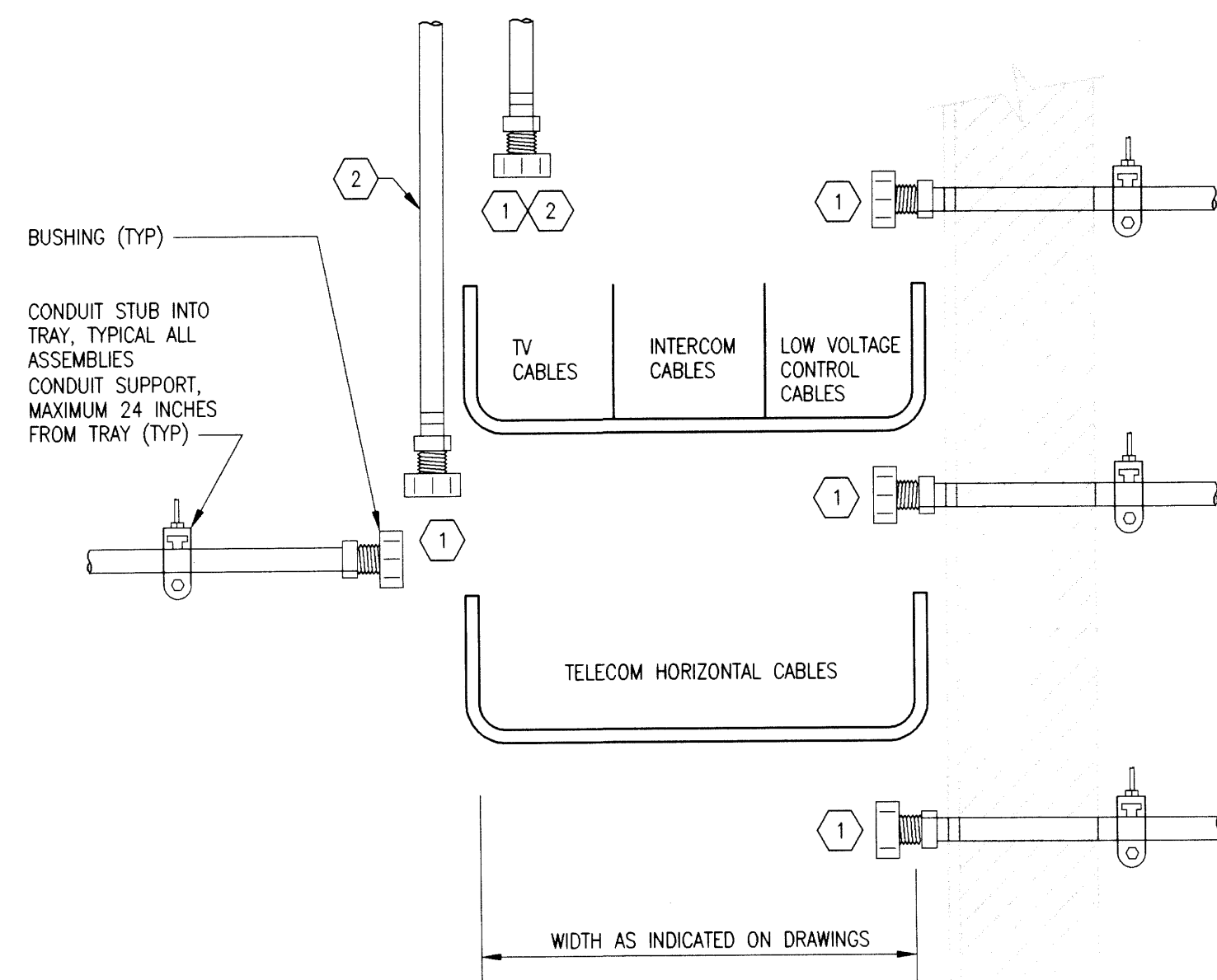
Sheet Contents
DETAILS AND DIAGRAMS
TELECOMMUNICATION

Discipline Sheet No.
E 5.06



D1
E5.07
DETAIL – TYPICAL TELECOMMUNICATIONS OUTLET (2, 3 AND 4 JACKS)
SCALE: NONE

D4
E5.07
DETAIL – TYPICAL CABLE TRAY FIRE STOP FOR 1 OR 2-HOUR WALL
SCALE: NONE

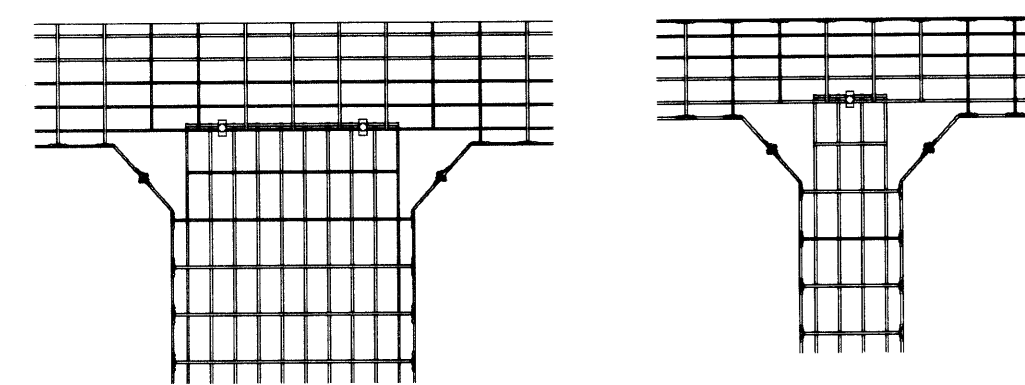
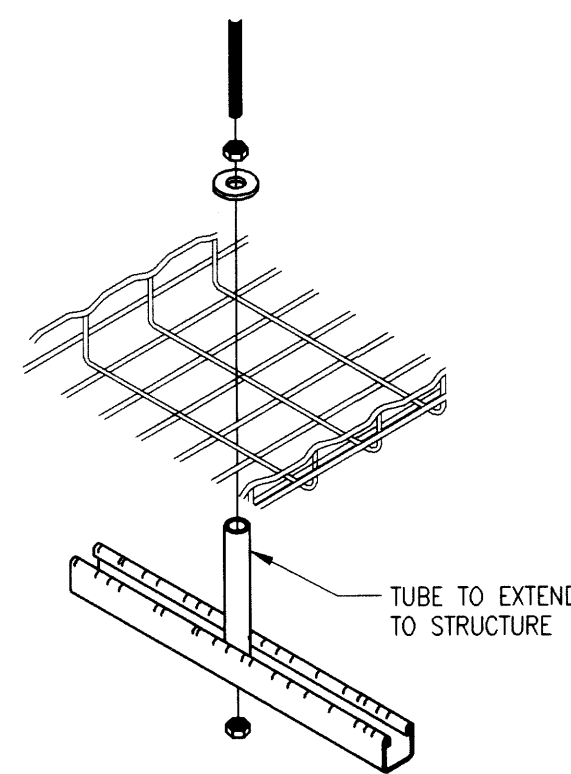
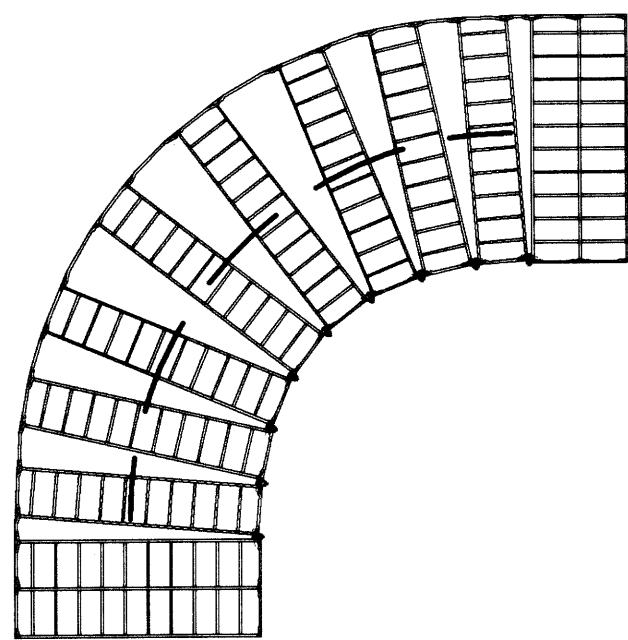


- DETAIL NOTES
1. CONDUITS SHALL BE STUBBED ABOVE OR BELOW THE FINISHED HEIGHT OF THE CABLE TRAY AS STRUCTURE AND SPACE ALLOWS.
 2. CONDUITS STUBBED FROM 2ND LEVEL DEVICES.
 3. CABLE TRAY SUPPORT STRUCTURE NOT SHOWN FOR CLARITY. PROVIDE SUPPORT IN ACCORDANCE WITH SPECIFICATION SECTION 16115 AND 16190.

B1
E5.07
DETAIL – CABLE TRAY ASSEMBLY
SCALE: NONE

B2
E5.07
DETAIL – I.D.F. TRAY SUPPORT RACK
SCALE: NONE

B4
E5.07
DETAIL – CABLE TRAY – DROP
SCALE: NONE



THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP

A2
B5.07
DETAIL – CABLE TRAY CORNER
SCALE: NONE

A3
B5.07
DETAIL – CABLE TRAY CENTER SUPPORT
SCALE: NONE

A4
B5.07
DETAIL – CABLE TRAY FLARED TEE
SCALE: NONE

Architects
Alaska
An Alaskan Corporation
Architecture
Landscape Architecture
Interior Architecture
900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567
191 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503

AMC
ENGINEERS
Adams, Morgenthaler and Company, Inc.
3333 Denali Street, Suite 100
Anchorage, Alaska 99503-6269
fax 907-272-5669
phone 907-279-0431

00501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions		
No.	Description	Date

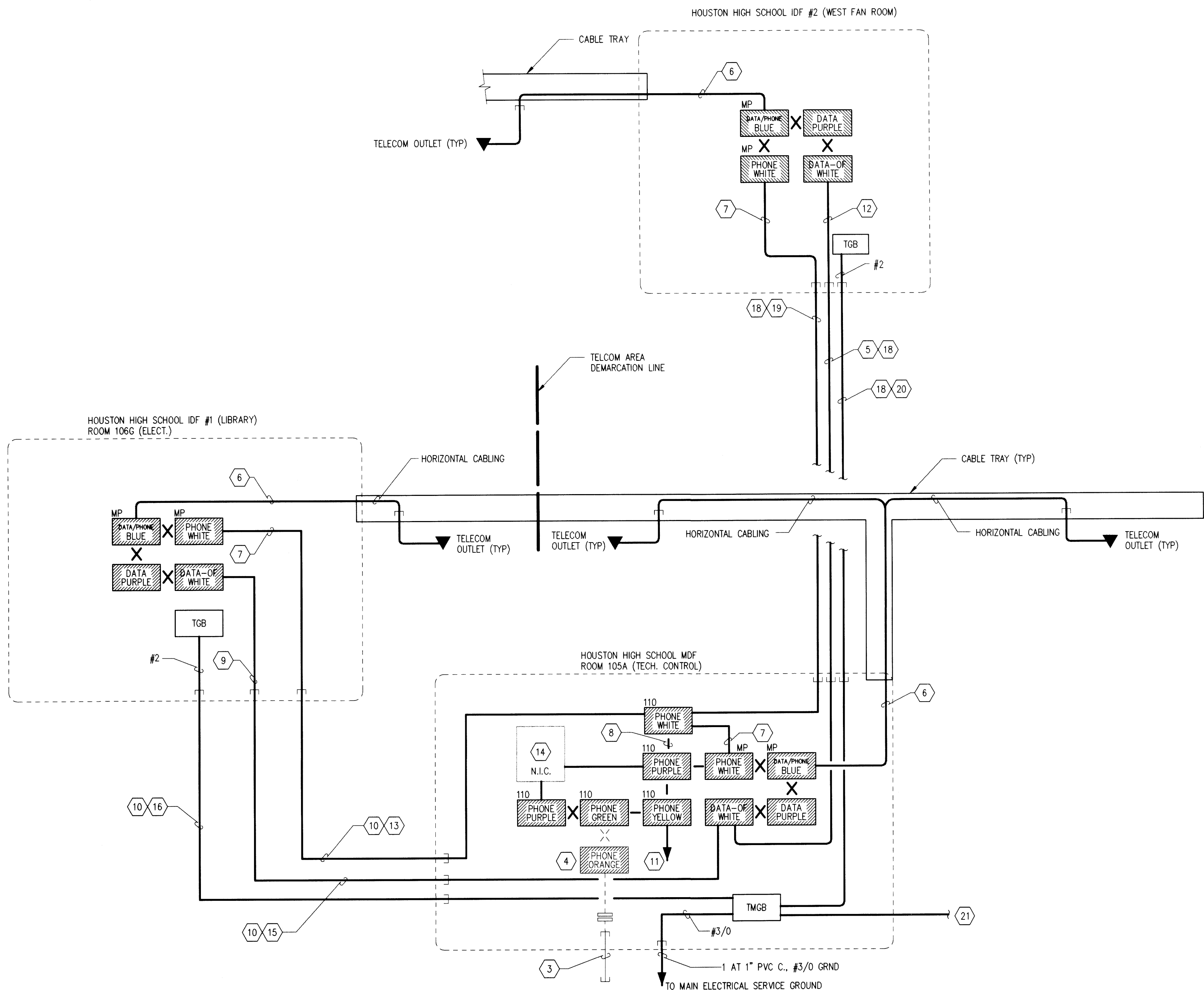
Drawn by	Date
TDD	12-29-2000
Checked	Job No.
EEP	00003.01

Sheet Contents
DETAILS AND DIAGRAMS
TELECOMMUNICATIONS

Discipline	Sheet No.
E	5.07

Computer Drawing File Name
E508
Full Scale
Computer Drawing Scale

A1
E5.08
DIAGRAM — TELECOMMUNICATIONS ONE-LINE
SCALE: NONE

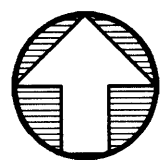


LEGEND	
SYMBOL	DESCRIPTION
HC	HORIZONTAL CROSS-CONNECT
MC	MAIN CROSS-CONNECT
TMBG	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
LEC	LOCAL EXCHANGE CARRIER (TELEPHONE COMPANY)
	DEMARCATION POINT FROM LEC TO OWNER'S EQUIPMENT
MP	MODULAR PATCH PANEL
110	110 TYPE TERMINAL BLOCKS
OFC	OPTICAL FIBER CABLE
Cu	COPPER WIRE OR CABLE
PHONE [Symbol]	TELEPHONE CONNECTING HARDWARE LABEL COLOR AS INDICATED QUANTITY TO MATCH CONNECTED CABLES MP INDICATES MODULAR PATCH PANEL, 110 INDICATES IDC TYPE BLOCKS
DATA/PHONE [Symbol]	DATA/TELEPHONE CONNECTING HARDWARE LABEL COLOR AS INDICATED QUANTITY TO MATCH CONNECTED CABLES MP INDICATES MODULAR PATCH PANEL, 110 INDICATES IDC TYPE BLOCKS
DATA [Symbol]	DATA CONNECTING HARDWARE LABEL COLOR AS INDICATED QUANTITY TO MATCH CONNECTED CABLES MP INDICATES MODULAR PATCH PANEL
X	CROSS-CONNECT UNDER THIS CONTRACT (WHITE TELEPHONE, BLUE DATA)

DETAIL NOTES	
1.	REFER TO TELECOMMUNICATIONS EQUIPMENT RACK DETAIL FOR ADDITIONAL INFORMATION ON GROUNDING, RACK MOUNTED EQUIPMENT, ETC.
2.	REFER TO POWER FLOOR PLANS FOR NUMBER AND LOCATION OF TELECOM OUTLETS.
3.	TWO 4" GRC CONDUITS TO UTILITY TIE-IN LOCATION.
4.	PHONE SERVICE TERMINATION BLOCKS TO BE PROVIDED BY LOCAL TELEPHONE UTILITY.
5.	3" GRC OR IMC C., WITH TWO 1" OPTIGARD (ONE 1" OPTIGARD WITH 6 STRAND OFC, ONE 1" OPTIGARD SPARE).
6.	HORIZONTAL CABLING AS REQUIRED
7.	200 PAIR CATEGORY 3 BACKBONE CABLE.
8.	3 SETS: 200 PAIR CATEGORY 3 BACKBONE CABLE.
9.	6 STRAND MULTIMODE FIBER IN 1" OPTIGARD.
10.	ROUTE CONDUITS UNDERSLAB TO LOCATION SHOWN. SEE FLOOR PLANS FOR LOCATION OF MDF AND IDF ROOMS. SEE SHEET C2/E4.02 FOR LOCATION OF CONDUIT STUB-UPS.
11.	SECURITY, DDC, POWER MONITOR, ETC.
12.	6 STRAND MULTIMODE FIBER IN 1" OPTIGARD.
13.	4" PVC C., WITH 200 PAIR CATEGORY 3 BACKBONE CABLE.
14.	OWNER PROVIDE TELEPHONE SWITCH. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
15.	3" PVC C., WITH TWO 1" OPTIGARD (ONE 1" OPTIGARD WITH 6 STRAND OFC, ONE 1" OPTIGARD SPARE).
16.	3/4" PVC C., 1-#2 GND.
17.	TERMINATE 2 PAIR OF PHONE BACKBONE CABLES PER PORT IN THE MODULAR PATCH PANEL FOR VOICE.
18.	ROUTE CONDUITS THROUGH BUILDING SPACE TO LOCATION SHOWN. SEE FLOOR PLANS FOR LOCATION OF MDF AND IDF ROOMS. SEE SHEET C2/E4.02 FOR LOCATION OF CONDUIT STUB-UPS.
19.	4" GRC OR IMC C., WITH 200 PAIR CATEGORY 3 BACKBONE CABLE.
20.	3/4" ALUMINUM C., 1-#2 GND.
21.	PROVIDE A #6 AWG INSULATED GREEN CONDUCTOR TO L.E.C. SERVICE ENTRANCE CONDUITS.

THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP

KEY PLAN



Architects
Alaska
An Alaskan Corporation
Architecture
Landscape Architecture
Interior Architecture
900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3587
191 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503

AMC
ENGINEERS
Adams, Morgenthaler and Company, Inc.
3330 Denali Street, Suite 100
Anchorage, Alaska 99503-4088
fax: 907-272-5589
phone 907-278-0451

00501

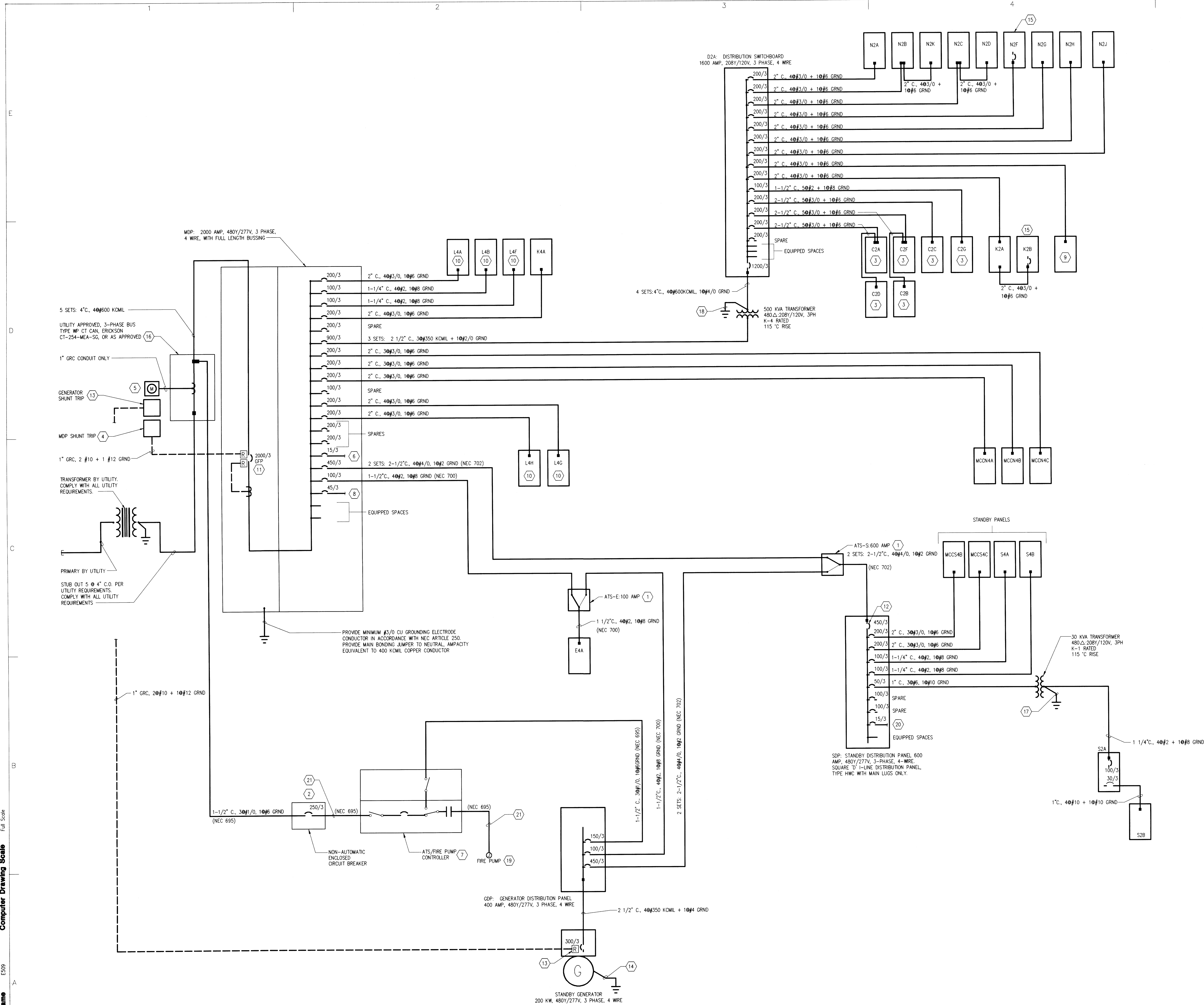
HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions		
No.	Description	Date

Drawn by	Date
TDG	12-29-2000
Checked	Job No.
EEP	00003.01

Sheet Contents	
DIAGRAM — TELECOMMUNICATION	

Discipline	Sheet No.
E	5.08



SHEET NOTES

- 1 PROVIDE 4 POLE, SWITCHED NEUTRAL, AUTOMATIC TRANSFER SWITCH.
- 2 NON-AUTOMATIC ENCLOSED CIRCUIT BREAKER, SE RATED LOCKABLE IN THE CLOSED POSITION. PROVIDE ENGRAVED LABEL "FIRE PUMP DISCONNECT" IN 1-1/2" HIGH LETTERS.
- 3 PROVIDE 200R NEUTRAL CONDUCTORS FOR FEEDER TO COMPUTER PANEL. PROVIDE INTERNAL TVS DEVICE IN COMPUTER PANEL.
- 4 PROVIDE 120 VOLT, 20 AMP, MOMENTARY-CONTACT, REMOTE SHUNT TRIP SWITCHING DEVICES INSTALLED IN NEMA 4X LOCKABLE ENCLOSURE ON EXTERIOR OF BUILDING ADJACENT TO UTILITY METER. PROVIDE ALL REQUIRED CONDUIT AND CONDUCTORS BETWEEN REMOTE SHUNT TRIP DEVICE AND SHUNT TRIP BREAKER IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. PROVIDE PLACARD DESCRIBING FUNCTION OF SWITCH AND LOCATION OF SWITCHBOARD CONTROLLED.
- 5 PROVIDE APPROPRIATELY SIZED, UTILITY APPROVED, NEMA 3P PADLOCKABLE METER BASE ENCLOSURE.
- 6 PROVIDE 15A/3P CIRCUIT BREAKER IN MDP FOR CONNECTION TO POWER QUALITY MONITOR RELAY IN MDP. REFER TO SPECIFICATION SECTION 16425 FOR ADDITIONAL INFORMATION.
- 7 CONNECT ALL FIRE PUMP CIRCUIT WIRING VIA ATS/FIRE PUMP CONTROLLER FURNISHED UNDER DIVISION 15.
- 8 PROVIDE 45A/3P SHUNT TRIP CIRCUIT BREAKER IN MDP FOR POWER TO ELEVATOR. CONNECT AS REQUIRED TO THE ELEVATOR CONTROLLER. FEEDER SHALL BE 1" C, 100A-1000 CMO. PROVIDE ALL REQUIRED CONDUIT AND CONDUCTORS BETWEEN REMOTE SHUNT TRIP DEVICE AND SHUNT TRIP BREAKER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 9 STAGE LIGHTING DIMMER PANEL.
- 10 LIGHTING PANELS SHALL BE PROVIDED WITH REMOTE POWER SWITCHING CIRCUIT BREAKERS AS NOTED IN PANEL SCHEDULES. SYSTEM SHALL BE SQUARE D POWERLARK OR AS APPROVED.
- 11 PROVIDE GROUND FAULT PROTECTION AND A REMOTE SHUNT TRIP FOR THE MAIN CIRCUIT BREAKER IN MDP. ALSO, PROVIDE A SQUARE D POWERLOGIC CIRCUIT MONITOR ON MAIN CIRCUIT BREAKER AND AN INTERNAL TVS DEVICE IN MDP. SEE SPECIFICATION SECTIONS 16471 AND 16920 FOR ADDITIONAL INFORMATION.
- 12 PROVIDE A SHUNT TRIP BREAKER FOR LOAD SHED CONTROL. TRIP BREAKER BASED ON FIRE PUMP PRE-ALARM. PROVIDE ALL REQUIRED CONDUIT, EQUIPMENT/RELAYS AND CONDUCTORS AS REQUIRED.
- 13 PROVIDE A SHUNT TRIP BREAKER FOR EMERGENCY GENERATOR SHUTDOWN. PROVIDE 120 VOLT, 20 AMP MOMENTARY CONTACT, REMOTE SHUNT TRIP SWITCHING DEVICES INSTALLED IN A NEMA 4X LOCKABLE ENCLOSURE ON THE EXTERIOR OF BUILDING ADJACENT TO CT CAN (SEE SHEET E.1.10). PROVIDE ALL REQUIRED CONDUIT AND CONDUCTORS BETWEEN REMOTE SHUNT TRIP DEVICE AND SHUNT TRIP BREAKER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE PLACARD DESCRIBING FUNCTION OF SWITCH AND LOCATION OF GENERATOR.
- 14 GROUND GENERATOR AS A SEPARATELY DERIVED SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, ARTICLE 250 AND ARTICLE 250.30(A) 3/0 AWG COPPER BONDING JUMPER IN ACCORDANCE WITH NEC ARTICLE 250 AND SPECIFICATION SECTION 16450.
- 15 PROVIDE PANEL WITH A SHUNT TRIP MAIN CIRCUIT BREAKER.
- 16 PROVIDE A LAMINATED SIGN AT THE SERVICE ENTRANCE, RED BACKGROUND WITH 1/2" WHITE LETTERS, IN ACCORDANCE WITH NEC 700-8 INDICATING TYPE AND LOCATION OF ON SITE EMERGENCY POWER. REFER TO SPECIFICATION SECTION 16010 FOR ADDITIONAL INFORMATION.
- 17 PROVIDE #8 AWG COPPER GROUNDING ELECTRODE CONDUCTOR AND #8 AWG COPPER BONDING JUMPER IN ACCORDANCE WITH NEC ARTICLE 250 AND SPECIFICATION SECTION 16450.
- 18 PROVIDE #3/0 AWG COPPER GROUNDING ELECTRODE CONDUCTOR AND #300 KCMIL COPPER BONDING JUMPER IN ACCORDANCE WITH NEC ARTICLE 250 AND SPECIFICATION SECTION 16450.
- 19 SEE SHEET 4.04 FOR LOCATION AND ADDITIONAL INFORMATION.
- 20 CONNECT TO SLUMP PUMP CONTROL PANEL.
- 21 1-1/2", 3#1/0, 10#6 GRND

A.I.R. REQUIREMENTS

SHORT CIRCUIT AND SERVICE NOTES:

AVAILABLE SHORT CIRCUIT AMPS
(SCA) AT MAIN DISTRIBUTION PANEL = 49,100 AMPS RMS (SYM) @ X/R=3

BASED ON THE FOLLOWING:

INFINITE PRIMARY BUS	
TRANSFORMER SIZE =	500
TRANSFORMER IMPEDANCE =	1.17
LENGTH OF SERVICE CONDUCTORS =	25 F
SERVICE CONDUCTOR SIZE =	600
NUMBER OF PARALLEL RUNS =	5
CONDUIT TYPE =	MAG

MOTOR LOAD = 250 kVA

THE ABOVE DATA (OTHER THAN MOTOR LOAD) SHALL BE CONFIRMED WITH THE SERVING UTILITY BEFORE EQUIPMENT IS ORDERED. ANY VARIATIONS THAT MIGHT INCREASE AVAILABLE SHORT-CIRCUIT CURRENT SHALL BE REPORTED TO THE CONTRACTING AGENCY.

SERVICE EQUIPMENT SHALL HAVE AN INTEGRATED SHORT CIRCUIT RATING SUITABLE FOR THE AVAILABLE SCA. DOWNSTREAM EQUIPMENT AND CIRCUIT BREAKER AIC RATINGS MAY BE SATISFIED BY UTILIZING ONE OF THE FOLLOWING METHODS:

1. EQUIPMENT RATED FOR THE AVAILABLE SCA AT EACH POINT IN THE SYSTEM.
2. UL-LISTED SERIES-CONNECTED CIRCUIT BREAKER COMBINATIONS RATED FOR THE AVAILABLE SCA AT EACH POINT.

PANEL NAMING CONVENTION

N2A

↑

↑

↑

LETTER INDICATES PANEL NUMBER IN SEQUENCE

NUMBER INDICATES VOLTAGE (4=480/277V, 2=208/120V)

LETTER INDICATES VOLTAGE (N=NORMAL, S=STANDBY, E=EMERGENCY,
C=COMPUTER, K=KITCHEN MCC=MOTOR CONTROL CENTER, P=PUMP HOUSE PANEL)

THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.

DATE: 09-17-2003 BY: EEP

**Architects
Alaska**

An Alaskan Corporation

Architecture
Landscape Architecture
Interior Architecture

900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567

191 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503



Adams, Morgenthaler and Company
3333 Denali Street, Suite 100
Anchorage, Alaska 99503-4088
fax 907-272-5593
phone 907-279-0431

00501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions

[illegible]

Drawn by	Date
-----------------	-------------

Checked EEP	Job No. 00003.01
-----------------------	----------------------------

Sheet Contents

DIAGRAM - POWER

Discipline

Sheet No.

SHEET NOTES

- 1 PROVIDE MULTI-LEVEL SWITCHING IN THIS ROOM BY CONNECTING IN-BOARD LAMP(S) TO SWITCH CLOSEST TO THE DOOR AND OUTBOARD LAMPS TO THE OTHER SWITCH. CONNECT TO CIRCUITS INDICATED. SEE DETAIL B2/E5.01 FOR ADDITIONAL INFORMATION.
- 2 SEE DETAIL B1/E5.01 FOR ADDITIONAL INFORMATION ON CORRIDOR LIGHTING CONTROL. CONTROL CIRCUIT L4F-9 WITH NOTED OCCUPANCY SENSORS.
- 3 CONNECT NORMAL INBOARD LAMPS TO L4F-3 AND CIRCUIT NORMAL OUTBOARD LAMPS TO L4F-5. SEE DETAIL D4/E5.01 FOR ADDITIONAL INFORMATION.
- 4 PROVIDE MULTI-LEVEL SWITCHING IN THIS ROOM. CONNECT TO CIRCUIT INDICATED. SEE DETAIL B4/E5.01 FOR ADDITIONAL INFORMATION.
- 5 PROVIDE AN OCCUPANCY SENSOR IN THIS ROOM FOR LIGHTING CONTROL. CONNECT TO CIRCUIT INDICATED. SEE DETAIL A1/E5.01 FOR ADDITIONAL INFORMATION.
- 6 SEE DETAIL B1/E5.01 FOR ADDITIONAL INFORMATION ON CORRIDOR LIGHTING CONTROL. CONTROL CIRCUITS L4F-2 AND L4F-4 WITH NOTED OCCUPANCY SENSORS.
- 7 CONNECT LIGHT FIXTURES IN CORRIDORS A100E AND A100H, AND HALLWAYS A100G AND B100B TO CIRCUIT L4F-9.
- 8 CONNECT NORTH SIDE OF CORRIDOR A100B TO CIRCUIT L4F-2 AND CONNECT SOUTH SIDE OF CORRIDOR A100B TO CIRCUIT L4F-4.
- 9 CONNECT TYPE 'C3' LIGHTING FIXTURES AND TYPE 'S' LIGHTING FIXTURES TO CIRCUIT L4B-11.
- 10 CONNECT TYPE 'D' LIGHTING FIXTURES AND TYPE 'G' LIGHTING FIXTURES TO CIRCUIT L4B-13.
- 11 CONNECT TYPE 'D' LIGHTING FIXTURES IN VESTIBULE, A100A AND A100J, TO CIRCUIT L4B-13.
- 12 CONNECT TYPE 'A2' LIGHTING FIXTURES IN CORRIDOR A100G TO CIRCUIT L4F-9.
- 13 PROVIDE ONE PERCENT DIMMING BALLASTS FOR THE FOUR FIXTURES IN THIS ROOM AND PROVIDE COMPATIBLE DIMMING SWITCH RATED FOR THE LOAD.
- 14 CONNECT BATTERY EMERGENCY EGRESS LIGHTING TO THE CAFETERIA/PLATFORM LIGHTING CONTROL SYSTEM. SEE DETAIL A1/E5.02 FOR ADDITIONAL INFORMATION.
- 15 PROVIDE MULTI-LEVEL SWITCHING IN THIS ROOM BY CONNECTING LAMPS PER DETAIL D4/E5.01.
- 16 3-WAY SWITCH IS FOR CONTROL OF INBOARD LAMPS ONLY. CONTROL SHALL BE SIMILAR TO DETAIL D4/E5.01 EXCEPT THE INBOARD LAMPS HAVE 3-WAY SWITCHES.
- 17 CONNECT FLUORESCENT FIXTURES TO THE CAFETERIA/PLATFORM LIGHTING CONTROL SYSTEM. PROVIDE 120 VOLT BALLASTS FOR NOTED FIXTURES ONLY. SEE DETAIL A1/E5.02 FOR ADDITIONAL INFORMATION.
- 18 CONNECT EXTERIOR BUILDING MOUNTED LIGHTING TO CIRCUIT L4H-13 PER DETAIL D1/E5.01.

Architects
Alaska
An Alaskan Corporation
Architecture
Landscape Architecture
Interior Architecture

900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567

191 E. Swanson Avenue
West Anchorage, Alaska 99504
(907) 373-7503

ENGINEERS
Adams, Morgenthaler and Company, Inc.
3333 Denali Street, Suite 100
Anchorage, Alaska 99503-4088
Tel: 907-279-5988
Fax: 907-279-0431

00501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSTITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions

No.	Description	Date

Drawn by Date

TDO 12-29-2000

Checked Job No.

EEP 00003.01

Sheet Contents

FIRST FLOOR PLAN
AREA - A
LIGHTING

Discipline

E

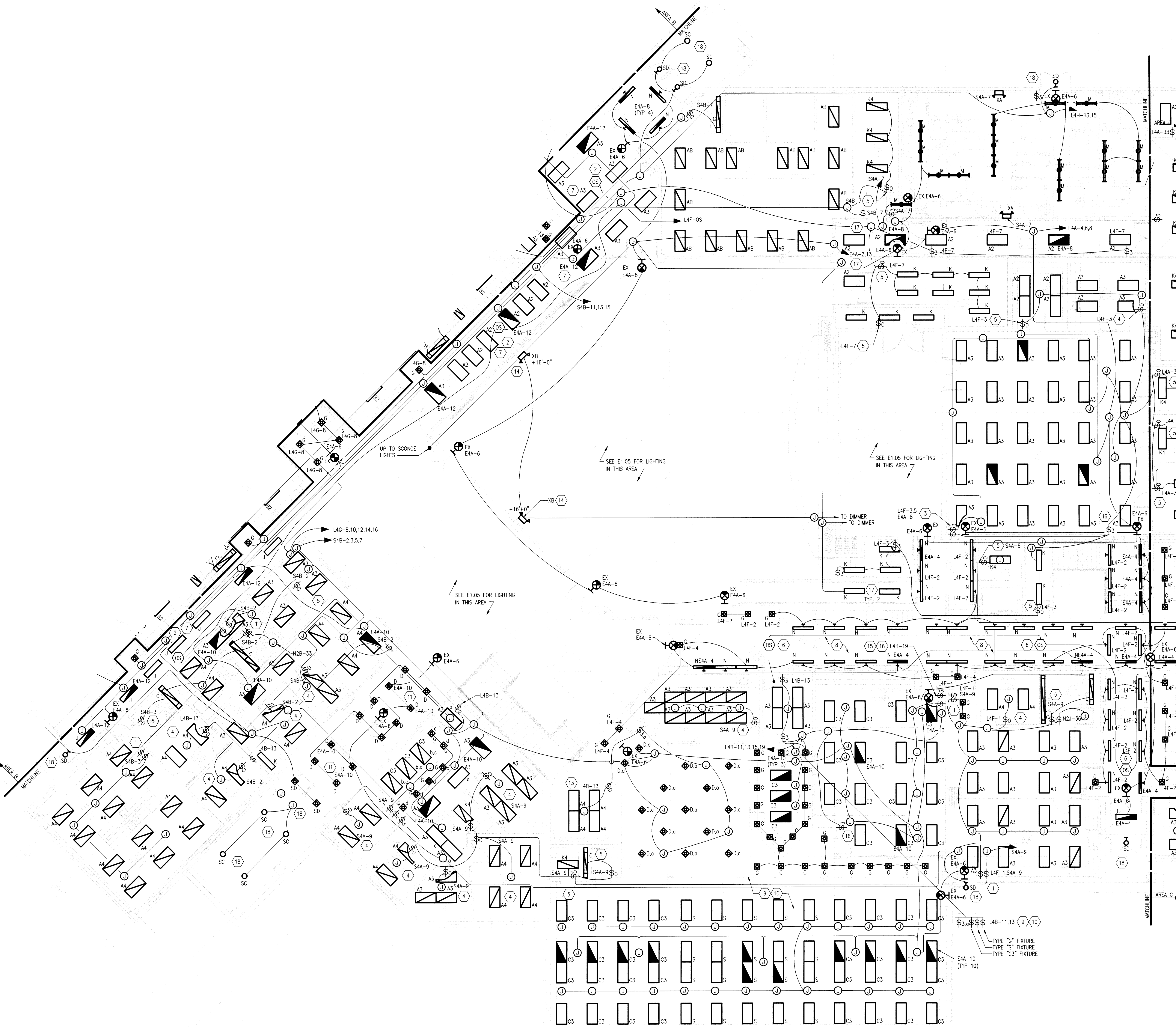
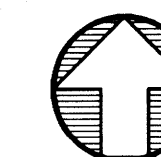
Sheet No.

1.02

THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.

DATE: 09-17-2003 BY: EEP

KEY PLAN



A1 FIRST FLOOR PLAN - AREA - A - LIGHTING
E1.02 SCALE: 1/8"=1'-0"

1/8" 1/4" 1/2" 1-1/2" GRAPHIC SCALE
3/8" 3/4"

SHEET NOTES

1. HOMERUN TELECOM CABLING ON THIS SHEET NORTH OF CORRIDOR A100B TO THE MDF ROOM (TECH. CONTROL C105A). HOMERUN TELECOM CABLING ON THIS SHEET SOUTH OF CORRIDOR A100B TO IDF-1 (ELECT. A106G). INSTALL CABLING IN ACCORDANCE WITH SPECIFICATION SECTION 16745 AND TELECOM DETAILS. SEE SPECIAL SYSTEM PLAN SHEETS FOR CABLE TRAYS AND PATHWAYS.
2. PROVIDE A POWER STRIP FOR THE DESK MOUNTED BAND PA RACK. REFER TO SPECIFICATION SECTION 16770 AND DIAGRAM D1/E5.03 FOR ADDITIONAL INFORMATION.
3. PROVIDE A POWER STRIP FOR THE FLOOR MOUNTED CAFETERIA PA RACK. REFER TO SPECIFICATION SECTION 16770 AND DIAGRAM A1/E5.03 FOR ADDITIONAL INFORMATION.
4. PROVIDE A POWER STRIP FOR THE DESK MOUNTED REMOTE PROGRAM SOURCE RACK FOR THE INTERCOM PA SYSTEM. REFER TO SPECIFICATION SECTION 16760 AND DIAGRAM A3/E5.03 FOR ADDITIONAL INFORMATION.
5. PROVIDE POWER CONNECTION TO COPIER. VERIFY NEMA CONFIGURATION REQUIRED BY EQUIPMENT MANUFACTURER. CONNECT TO CIRCUIT NOTED WITH #10 AWG CONDUCTORS.
6. COORDINATE MOUNTING HEIGHTS OF POWER AND TELECOM DEVICES WITH FIN TUBE CABINET.
7. PROVIDE POWER CONNECTION TO OVERHEAD PROJECTION SCREEN. CIRCUIT AS NOTED. PROVIDE ALL REQUIRED CONDUIT, WIRING, AND COMPONENTS REQUIRED TO PROVIDE A COMPLETELY OPERATIONAL SYSTEM. PROVIDE CONTROL SWITCH AT LOCATION SHOWN.
8. POWER AND TELECOM OUTLETS ARE LOCATED IN MODULAR FURNITURE. PROVIDE ALL REQUIRED CONDUIT, WIRING, AND HARDWARE TO PROVIDE A FULLY FUNCTIONAL SYSTEM. COORDINATE EXACT LOCATION OF FURNITURE WHIPS WITH THE FURNITURE PROVIDER AND THE ARCHITECT. CIRCUIT AS NOTED.
9. INSTALL KEY SWITCH FOR CONTROL OF OVERHEAD COILING DOOR. PROVIDE ALL CONDUIT AND WIRING REQUIRED FOR A FULLY OPERATIONAL SYSTEM. COORDINATE WITH DIVISION 8 AND EQUIPMENT MANUFACTURER FOR EXACT REQUIREMENTS.
10. ALL COMPUTER POWER OUTLETS ARE CIRCUITED TO PANEL C2F UNLESS OTHERWISE INDICATED.
11. ALL NORMAL POWER OUTLETS ARE CIRCUITED TO PANEL N2J UNLESS OTHERWISE INDICATED.
12. RECEPTACLE FOR HEARING IMPAIRED TRANSMITTER POWER. COORDINATE EXACT LOCATION OF RECEPTACLE WITH TRANSMITTER TO CONICAL RECEPTACLE BEHIND TRANSMITTER AND ALLOW PLUG-IN OF POWER TRANSFORMER. CIRCUIT AS NOTED.
13. PROVIDE KEY OPERATED SWITCHES AT LOCATION NOTED FOR CONTROL OF MOTOR OPERATED PARTITION, FRONT CURTAIN, REAR CURTAIN AND OVERHEAD PROJECTION SCREEN. PROVIDE ALL REQUIRED CONDUIT, WIRING AND COMPONENTS REQUIRED FOR COMPLETELY OPERATIONAL SYSTEMS. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT MANUFACTURERS. PROVIDE LAMINATED PLACARDS IDENTIFYING THE FUNCTION OF EACH SWITCH.
14. PROVIDE KEY OPERATED SWITCH FOR CONTROL OF ROLLER SHADES. PROVIDE ALL CONDUIT AND WIRING FOR A FULLY OPERATIONAL SYSTEM. COORDINATE EXACT REQUIREMENTS WITH THE EQUIPMENT MANUFACTURER. PROVIDE A LAMINATED PLACARD IDENTIFYING THE FUNCTION OF THE SWITCH.
15. PROVIDE KEY SWITCH FOR OPERATION OF AUTODOOR OR ELEVATOR. KEY SWITCH SHALL BE KEYPED TO THE BUILDING MASTER. COORDINATE WITH DOOR HARDWARE SUPPLIER FOR KEY CYLINDER.
16. CONNECT HEAT TRACE TO CIRCUIT INDICATED. SEE DIV. 15 FOR EXACT LOCATION.
17. CONNECT INFRARED FAUCET SENSOR TO CIRCUIT INDICATED. PROVIDE A FLUSH MOUNTED 12"x12" JUNCTION BOX IN THE WALL UNDER THE SINK. MOUNT THE SENSOR CONTROL UNIT IN THE JUNCTION BOX. CONNECT THE SENSOR AND THE SOLIDWIRE WIRING TO THE CONTROL UNIT VIA GROMMETS IN THE JUNCTION BOX COVER. COORDINATE EXACT REQUIREMENTS WITH DIVISION 15.
18. PROVIDE A 30A, 250V RECEPTACLE, NEMA CONFIGURATION AS REQUIRED FOR THE DRYER. CONNECT TO CIRCUIT INDICATED WITH #10 AWG CONDUCTORS.
19. CONNECT AUTODOOR TO CIRCUIT INDICATED. AUTODOORS SHALL OPERATE FROM EITHER THE KEY SWITCH OR THE PUSH-BUTTON OPERATOR.
20. CONNECT FIRE SMOKE DAMPER TO CIRCUIT INDICATED. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION. DAMPER CONTROL SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 16723.
21. PROVIDE GFI RECEPTACLE FOR CONNECTION OF HOT WATER DISPENSER. MOUNT RECEPTACLE UNDER SINK. COORDINATE EXACT REQUIREMENTS WITH DIVISION 15.
22. CONNECT MOTOR OPERATED PARTITION TO CIRCUIT INDICATED. SEE SHEET NOTE 13 FOR CONTROL INFORMATION.
23. CONNECT WALL MOUNTED OVEN TO CIRCUIT INDICATED WITH #10 AWG CONDUCTORS. VERIFY CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER.
24. PROVIDE ACCESS FLOOR SYSTEM IN ACCORDANCE WITH SPECIFICATION SECTION 16150 FOR AREA INDICATED BY DASHED LINES. PROVIDE FLOOR MOUNTED DEVICES AS PART OF THE FLOOR SYSTEM. PROVIDE ALL REQUIRED POWER AND DATA CONNECTIONS AND PATHWAYS FOR A COMPLETE INSTALLATION.
25. CONNECT ROLLER SHADES TO CIRCUIT INDICATED VIA KEY SWITCH. SEE SHEET NOTE 14 FOR LOCATION OF SWITCH. COORDINATE WITH DIVISION 8 FOR EXACT REQUIREMENTS.

Architects
Alaska
An Alaskan Corporation

Architecture
Landscape Architecture
Interior Architecture

900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567

191 E. Swanson Avenue
Wasilla, Alaska 99554
(907) 373-7503

ENGINEERS
Adams, Morgenstern and Company, Inc.

3333 Denali Street, Suite 500
Anchorage, Alaska 99503-4088
Tel: 907-275-5888
phone 907-275-0451

00501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions

No.	Description	Date

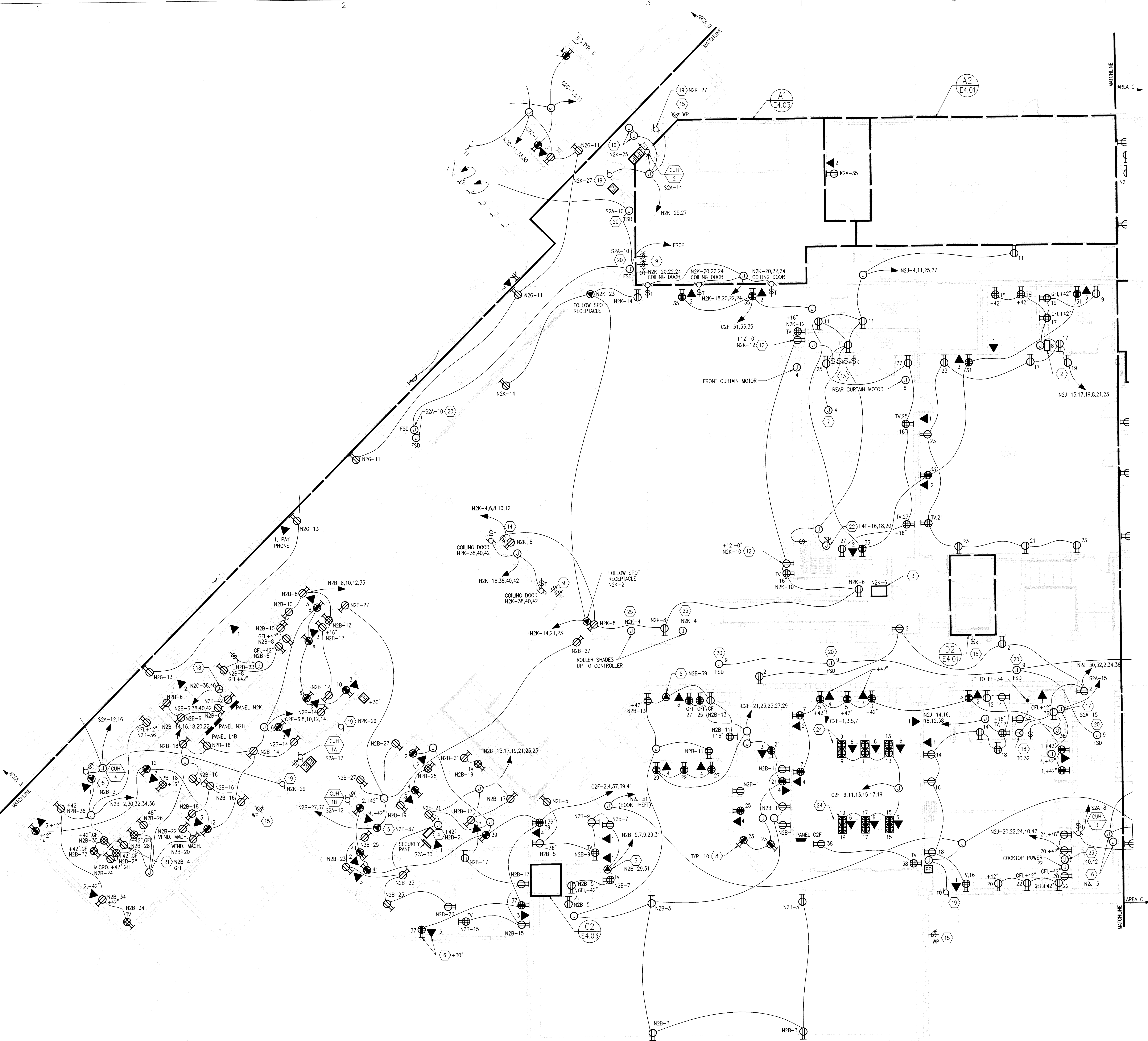
Drawn by TDD Date 12-29-2000
Checked EEP Job No. 00003.01

Sheet Contents

FIRST FLOOR PLAN
AREA - A
POWER

Discipline E

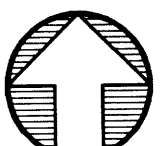
Sheet No. 1.08

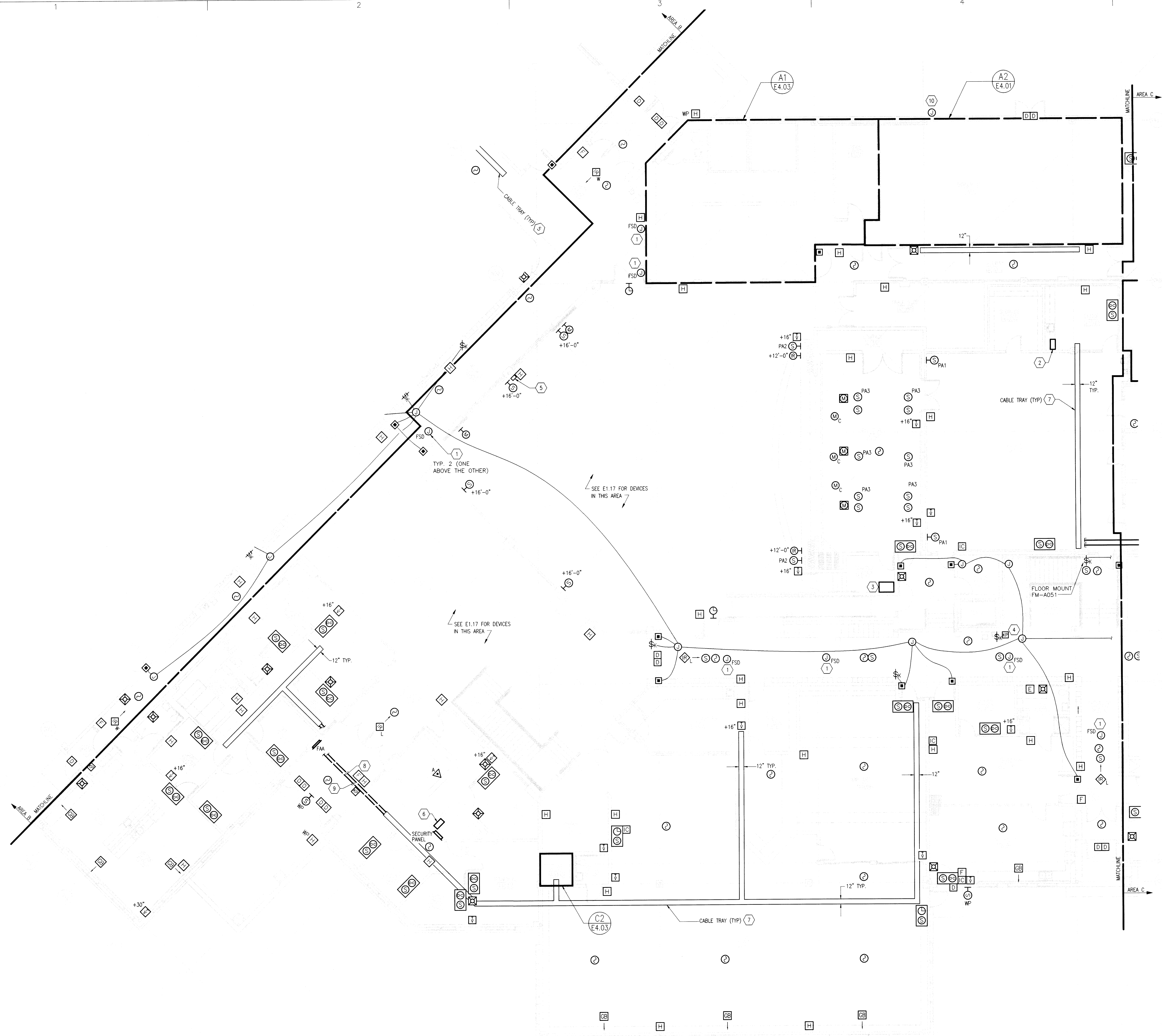


A1 FIRST FLOOR PLAN - AREA - A - POWER
E1.08 SCALE: 1/8"=1'-0"

1/8"=1/4" 1/2"=1/2" 1-1/2"=1-1/2" GRAPHIC SCALE

KEY PLAN





- # SHEET NOTES
- 1 PROVIDE FIRE ALARM CONNECTION TO FIRE/SMOKE DAMPER (FSD) CIRCUIT FOR FSD CLOSURE OPERATION. IN ACCORDANCE WITH SPECIFICATION SECTION 1672.3. REFER TO MECHANICAL DRAWINGS FOR EXACT FSD LOCATION.
 - 2 DESK MOUNTED BAY RACK. REFER TO SPECIFICATION SECTION 1677.0 AND DIAGRAM D1/E5.03 FOR ADDITIONAL INFORMATION.
 - 3 FLOOR MOUNTED CATERFORM BAY RACK. REFER TO SPECIFICATION 1677.0 AND DIAGRAM A1/E5.03 FOR ADDITIONAL INFORMATION.
 - 4 PROVIDE KEYPAD AND KEY SWITCH FOR ELEVATOR SERVICE. COORDINATE EXACT REQUIREMENTS WITH THE ELEVATOR SUPPLIER. KEY SWITCH SHALL BE KEYPAD TO THE BUILDING MASTER. COORDINATE WITH THE DOOR HARDWARE SUPPLIER FOR KEY SWITCHES.
 - 5 SOURCE SELECT, VOLUME CONTROL, AND TRANSPORT FUNCTION KEY PAD FOR THE CATERFORM/PLATFORM P.A. SOUND SYSTEM. MOUNT BEHIND SEE--THROUGH LOCKABLE COVER.
 - 6 DESK MOUNTED REMOTE PROGRAM SOURCE RACK FOR THE INTERCOM P.A. SYSTEM. REFER TO SPECIFICATION SECTION 1676.0 AND DIAGRAM A3/E5.03 FOR ADDITIONAL INFORMATION.
 - 7 PROVIDE TWO TIERS OF CABLE TRAY. UPPER TIER SHALL BE FOR CLOCK/INTERCOM/TV CABLEING AND LOWER TIER SHALL BE FOR TELECOM CABLES.
 - 8 PROVIDE A 4 INCH EMT CONDUIT FOR TELECOM CABLEING. INSTALL CONDUIT SO THE BOTTOM OF THE CONDUIT IS AT 2 INCHES ABOVE THE TOP OF THE CABLE TRAY. PROVIDE FIRE SEAL AT CONDUIT ENDS AFTER CABLEING IS INSTALLED.
 - 9 PROVIDE 2 INCH EMT CONDUIT FOR CLOCK/INTERCOM/TV CABLEING. INSTALL CONDUIT SO THE BOTTOM OF THE CONDUIT IS AT 2 INCHES ABOVE THE TOP OF THE CABLE TRAY. PROVIDE FIRE SEAL AT CONDUIT ENDS AFTER CABLEING IS INSTALLED.
 - 10 CONNECT TO SPRINKLER BELL VIA FLOW SWITCH. CIRCUIT TO S2A-6.
 - 11 FLOOR MOUNT MAGNETIC DOOR HOLDER.

**Architects
Alaska**
An Alaskan Corporation
*Architecture
Landscape Architecture
Interior Architecture*

900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567

191 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503

AMC
ENGINEERS
Adams, Morgenthaler and Company, Inc.
3333 Denali Street, Suite 100
Anchorage, Alaska 99503-4088
fax 907-272-5583
phone 907-279-0431

00501 (C)

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

[illegible]

Drawn by TDD	Date 12-29-200
Checked EEP	Job No. 00003.01

Sheet Contents

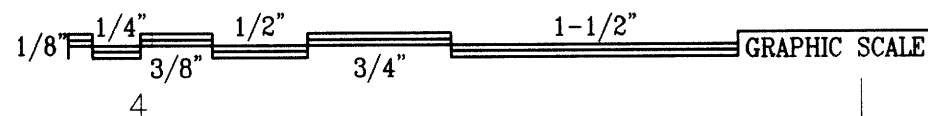
FIRST FLOOR PLAN
AREA - A
SPECIAL SYSTEMS

Discipline	Sheet No
E	1.14

THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.

DATE: 09-17-2003 BY: EEP

A1 FIRST FLOOR PLAN - AREA - A - SPECIAL SYSTEMS
E1.14 SCALE: 1/8"=1'-0"



KEY PLAN

SHEET NOTES

- 1 PROVIDE AN EIGHT PUSH-BUTTON REMOTE PRESET LIGHTING CONTROL STATION AT THE NOTED LOCATION. SEE DETAIL A1/E5.02 FOR ADDITIONAL INFORMATION.
- 2 PROVIDE A CONTROL CONSOLE RECEPTACLE STATION. SEE DETAIL A1/E5.02 FOR ADDITIONAL INFORMATION.
- 3 PROVIDE A RECESSED PLUG BOX FOR THE STAGE LIGHTING SYSTEM. SEE DETAIL A1/E5.02 FOR ADDITIONAL INFORMATION.
- 4 CIRCUIT THE NORTH SIDE OF CORRIDOR A200A TO CIRCUIT L4A-19 AND CIRCUIT SOUTH SIDE OF CORRIDOR A200A TO CIRCUIT L4A-17.
- 5 CIRCUIT NORMAL INBOARD LAMPS TO CIRCUIT L4A-18 AND CIRCUIT NORMAL OUTBOARD LAMPS TO CIRCUIT L4A-20. CIRCUIT THE TYPE "A" FIXTURES TO CIRCUIT L4A-22. SWITCHING CONTROL SHALL BE SIMILAR TO DETAIL D4/E5.01 EXCEPT INBOARD LAMPS HAVE 3-WAY SWITCHES.
- 6 SEE DETAIL B1/E5.01 FOR ADDITIONAL INFORMATION ON CORRIDOR LIGHTING CONTROL. CONTROL CIRCUITS L4A-17 AND L4A-19 WITH THE NOTED OCCUPANCY SENSORS.
- 7 PROVIDE MULTI-LEVEL SWITCHING IN THIS ROOM BY CONNECTING LAMPS PER DETAIL D4/E5.01.
- 8 STAGE LIGHTING DIMMER RACK LOCATED IN CONTROL ROOM A108H BELOW. SEE DETAIL A1/E5.02 FOR ADDITIONAL INFORMATION.
- 9 NUMBER IN DIAMOND INDICATES A LIGHT FIXTURE THAT IS SWITCHED BY A "NON-DIM" MODULE. SEE DETAIL A1/E5.02 FOR ADDITIONAL INFORMATION.
- 10 NUMBER IN CIRCLE INDICATES A RECEPTACLE CONNECTED TO A DIMMER MODULE. SEE DETAIL A1/E5.02 FOR ADDITIONAL INFORMATION.
- 11 CONNECT NOTED FIXTURES TO CIRCUIT L4A-19.
- 12 PROVIDE AN OCCUPANCY SENSOR IN THIS ROOM FOR LIGHTING CONTROL. CONNECT TO CIRCUIT INDICATED. SEE DETAIL A1/E5.01 FOR ADDITIONAL INFORMATION.
- 13 CONTROL OF LIGHTING CIRCUITS L4B-1, 5 AND 7 (CENTRUM LIGHTING) SHALL BE VIA DDC CONTROL AND POWER LINK BREAKERS. SEE SPECIFICATION 15910 FOR ADDITIONAL INFORMATION.
- 14 MOUNT BOTTOM OF TYPE L2 FIXTURE IN CAFETERIA TO +18'-0" AFF. REFER TO ARCHITECTURAL ELEVATIONS AND SECTIONS FOR EXACT MOUNTING HEIGHT.
- 15 MOUNT BOTTOM OF TYPE L FIXTURE TO +25'-0" AFF. REFER TO ARCHITECTURAL ELEVATIONS AND SECTIONS FOR EXACT MOUNTING HEIGHT.
- 16 BALLASTS FOR TYPE L2 FIXTURES IN CAFETERIA A108A SHALL BE REMOTE MOUNTED TO WALL ABOVE ACCESSIBLE GRID CEILING AS INDICATED BY NOTE 17 BELOW. WIRE SIZE, MOUNTING AND SPACING REQUIREMENTS OF REMOTE BALLASTS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS. INDIVIDUAL BALLASTS SHALL BE MOUNTED ON RUBBER GROMMETS OF APPROPRIATE HARDNESS TO ELIMINATE NOISE/VIBRATION TRANSMISSION. PROVIDE WIRING BETWEEN FIXTURES AND REMOTE BALLASTS PER MANUFACTURER'S REQUIREMENTS.
- 17 PROVIDE REMOTE BALLASTS FOR CAFETERIA A108A TYPE L FIXTURES AT THIS LOCATION. REFER TO NOTE 16 THIS SHEET FOR ADDITIONAL INFORMATION.
- 18 PROVIDE A HAND HELD REMOTE RECEPTACLE STATION. SEE DETAIL E5.02 FOR ADDITIONAL INFORMATION.
- 19 PROVIDE LIGHT BAR CONFIGURED AS SHOWN. SEE DETAIL E5.02 AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 20 CONNECT FIXTURE TO THE CAFETERIA/PLATFORM LIGHTING CONTROL SYSTEM. PROVIDE FIXTURE SUITABLE FOR 120 VOLT SUPPLY. SEE DETAIL A1/E5.02 FOR ADDITIONAL INFORMATION.

Architects
Alaska
 An Alaskan Corporation
 Architecture
 Landscape Architecture
 Interior Architecture

900 West Fifth Avenue
 Anchorage, Alaska 99501
 (907) 272-3567
 191 E. Swanson Avenue
 Wasilla, Alaska 99654
 (907) 373-7503

ENGINEERS
 Adams, Morganthaler and Company, Inc.
 3335 Seward Street, Suite 100
 Anchorage, Alaska 99503-0888
 Fax: 907-272-6999
 phone 907-278-0451

00501

HOUSTON HIGH SCHOOL
 MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
 MATANUSKA SUSITNA BOROUGH

Revisions

No.	Description	Date

Drawn by TDO Date 12-29-2000
 Checked EEP Job No. 00003.01

Sheet Contents

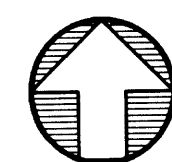
SECOND FLOOR PLAN
 AREA - A
 LIGHTING

Discipline E

Sheet No. 1.05

THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.
 DATE: 09-17-2003 BY: EEP

KEY PLAN



A1
 E1.05

SECOND FLOOR PLAN - AREA - A - LIGHTING

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

1/8"=1/4" 1/2"=1/2" 1-1/2"=3/4" GRAPHIC SCALE

SHEET NOTES

1. HOMERUN TELECOM CABLEING ON THIS SHEET, EXCEPT AS NOTED OTHERWISE, TO THE MDF ROOM (TECH. CONTROL C105A) IN ACCORDANCE WITH SPECIFICATION SECTION 16745 AND TELECOM DETAILS. SEE SPECIAL SYSTEM PLAN SHEETS FOR CABLE TRAYS AND PATHWAYS.
2. CONNECT WALL MOUNTED OVEN TO CIRCUIT INDICATED WITH #10 AWG CONDUCTORS. VERIFY CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER.
3. CONNECT RANGE HOOD LIGHTING TO CIRCUIT INDICATED.
4. PROVIDE POWER CONNECTION TO DISHWASHER AS REQUIRED. CIRCUIT AS SHOWN.
5. ALL RECEPTACLES IN NOTED ROOM SHALL BE GFI TYPE EXCEPT FOR THE REFRIGERATOR RECEPTACLES. ALSO, ALL RECEPTACLES SHALL BE MOUNTED AT +42" AFF UNLESS OTHERWISE NOTED.
6. PROVIDE RECEPTACLE FOR MICROWAVE MOUNTED AT +42" AFF. CIRCUIT AS SHOWN.
7. PROVIDE SURFACE MOUNTED RECEPTACLE AND ASSOCIATED JUNCTION BOX MOUNTED ON BACK OF SEWING MACHINE CASEWORK. RUN SURFACE MOUNTED EMT CONDUIT BETWEEN RECEPTACLES ON BACK OF CASEWORK. PROVIDE A SINGLE SERVICE FIRE RATED FURNITURE FEED PONE-THROUGH FOR EACH SECTION OF CASEWORK. HUBBELL P177FGY, OR AS APPROVED. PROVIDE A LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTION TO THE SOUTH RECEPTACLE IN EACH OF THE THREE LONG ROWS AND TO THE EAST RECEPTACLE IN THE OUTSIDE WALL ROW.
8. CONNECT THE COMBINATION GAS COOKTOP AND ELECTRIC RANGE TO CIRCUIT INDICATED WITH #10 AWG CONDUCTORS. VERIFY CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER.
9. ALL COMPUTER OUTLETS ARE CIRCUITED TO PANEL C2C UNLESS OTHERWISE NOTED.
10. ALL NORMAL POWER OUTLETS ARE CIRCUITED TO PANEL N2H UNLESS OTHERWISE NOTED.
11. HOMERUN TELECOM CABLEING TO IDF-1 BELOW.
12. CONNECT FIRE SMOKE DAMPER TO CIRCUIT INDICATED. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION. DAMPER CONTROL SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 16723.
13. PROVIDE A 30A, 250V RECEPTACLE, NEMA CONFIGURATION AS REQUIRED. CONNECT TO CIRCUIT NOTED WITH #10 AWG CONDUCTORS.
14. CONNECT KILN TO CIRCUIT INDICATED WITH #8 AWG CONDUCTORS.
15. CONNECT GAS COOKTOP TO CIRCUIT INDICATED. VERIFY EXACT REQUIREMENTS WITH EQUIPMENT MANUFACTURER.
16. PROVIDE WALL SWITCHES FOR CONTROL OF RANGE HOODS. ONE SWITCH SHALL CONTROL THE HOODS ON THE WEST SIDE OF THE ROOM (EF-8A) AND ONE SWITCH SHALL CONTROL THE HOODS ON THE EAST SIDE OF THE ROOM (EF-8B).
17. CONNECT ROLLER SHADES TO CIRCUIT INDICATED VIA KEY SWITCH. SEE E1.08 FOR LOCATION OF SWITCH. COORDINATE WITH DIVISION 8 FOR EXACT REQUIREMENTS.

Architects
Alaska
An Alaskan CorporationArchitecture
Landscape Architecture
Interior Architecture900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 273-3557
191 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503**AMC**
ENGINEERS
Adams, Morgenstern and Company, Inc.3333 Durall Street, Suite 300
Anchorage, Alaska 99503-4088
fax 907-272-6565
phone 907-272-0451

00501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions

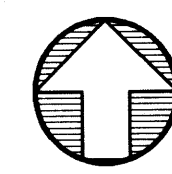
No.	Description	Date

Drawn by	Date
TDD	12-29-2000
Checked	Job No.
EEP	00003.01

Sheet Contents

SECOND FLOOR PLAN
AREA - A
POWERDiscipline
ESheet No.
1.11THESE PROJECT RECORD DOCUMENTS HAVE BEEN
MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED
BY THE CONTRACTOR. AMC ENGINEERS HAS
NOT FIELD VERIFIED THIS INFORMATION AND
DOES NOT CERTIFY THE COMPLETENESS AND/OR
ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP

KEY PLAN

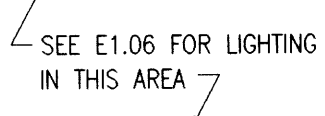
1/8" = 1/4" = 1/2" = 1-1/2" GRAPHIC SCALE
3/8" 3/4"

5

A1 SECOND FLOOR PLAN - AREA - A - POWER

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

Computer Drawing Scale
Full ScaleComputer Drawing File Name
E111



THESE PROJECT RECORD DOCUMENTS HAVE BEEN
MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED
BY THE CONTRACTOR. AMC ENGINEERS HAS
NOT FIELD VERIFIED THIS INFORMATION AND
DOES NOT CERTIFY THE COMPLETENESS AND/OR
ACCURACY OF THESE DOCUMENTS.

DATE: 09-17-2003 BY: EEP

KEY PLAN

Discipline

F

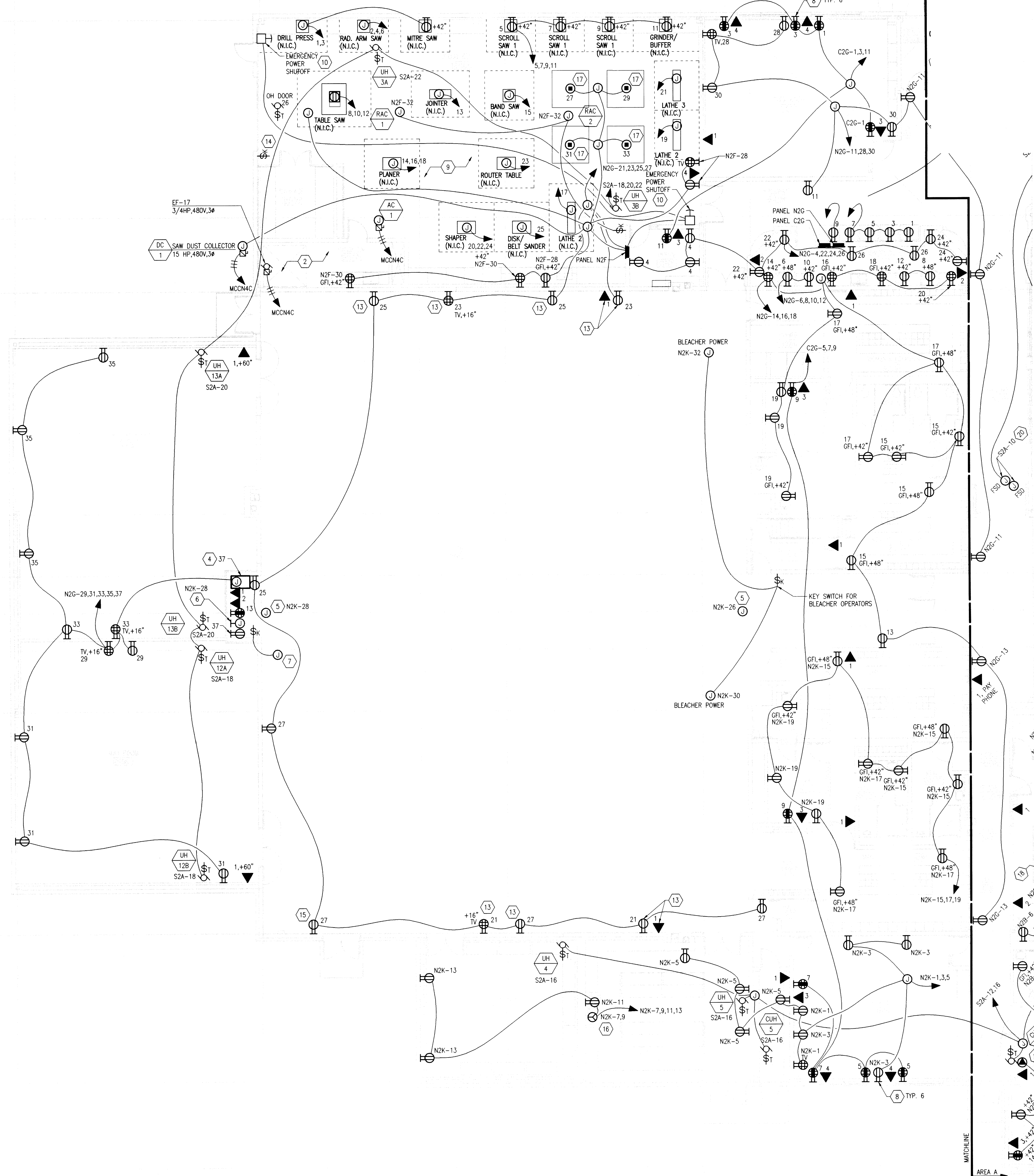
Sheet No
1.03

1.00

FIRST FLOOR PLAN - AREA - B - LIGHTING

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

A horizontal graphic scale bar. It consists of a series of connected rectangular segments. The segments are labeled with their lengths: 1/8, 1/4, 3/8, 1/2, 3/4, and 1-1/2. The last segment is labeled "GRAPHIC SCALE".



SHEET NOTES

1. HOMERUN TELECOM CABLING ON THIS SHEET SOUTH OF GRIDLINE 00 TO IDF-1 (A106G). HOMERUN TELECOM CABLING ON THIS SHEET NORTH OF GRIDLINE 00 TO IDF-2 (ELECT. B201). INSTALL TELECOM CABLING IN ACCORDANCE WITH SPECIFICATION SECTION 16745 AND TELECOM DETAILS. SEE SPECIAL SYSTEM PLAN SHEETS FOR CABLE TRAYS AND PATHWAYS.
2. PAINT BOOTH LOCATION. PROVIDE CLASS 1, DIVISION 2 WIRING WITHIN 5'-0" OF THE BOOTH PER UBC AND NEC REQUIREMENTS.
3. SEE WOODWORKING EQUIPMENT SCHEDULE ON MECHANICAL DRAWINGS FOR POWER REQUIREMENTS OF EQUIPMENT IN TECHNOLOGY EDUCATION, ROOM B110A.
4. PROVIDE A POWER STRIP FOR THE FLOOR MOUNTED CYM PA RACK. REFER TO SPECIFICATION SECTION 16770 AND DIAGRAM A3/E5.04 FOR ADDITIONAL INFORMATION.
5. PROVIDE ALL REQUIRED POWER, CONTROL AND INTERCONNECTING WIRING TO SCOREBOARD AND CONTROLLER TO PROVIDE A COMPLETELY OPERATIONAL SYSTEM. COORDINATE WITH ARCHITECT AND EQUIPMENT SUPPLIER FOR EXACT LOCATION OF ALL COMPONENTS PRIOR TO ROUGH-IN. CIRCUIT AS NOTED. SEE SHEET NOTE 6 FOR LOCATION OF SCOREBOARD CONTROLLER.
6. WALL MOUNTED SCOREBOARD CONTROLLER. COORDINATE EXACT LOCATION WITH ARCHITECT AND EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE ALL REQUIRED POWER, CONTROL AND INTERCONNECTING WIRING REQUIRED TO PROVIDE A COMPLETELY OPERATIONAL SYSTEM.
7. PROVIDE POWER CONNECTION TO OVERHEAD PROJECTION SCREEN. CIRCUIT AS NOTED. PROVIDE ALL REQUIRED CONDUIT, WIRING AND COMPONENTS REQUIRED TO PROVIDE A COMPLETELY OPERATIONAL SYSTEM. PROVIDE CONTROL SWITCH AT LOCATION SHOWN.
8. MOUNT POWER AND TELECOMMUNICATION OUTLETS AT +42" ABOVE THE BASEBOARD HEATING AND/OR CABINETRY. LOCATE DEVICES BETWEEN WINDOWS AS SHOWN.
9. CONNECT EQUIPMENT IN THIS ROOM TO PANEL N2F. UNLESS OTHERWISE NOTED, REFER TO PANEL SCHEDULE N2F FOR SPECIFIC CIRCUIT NUMBER. FIELD COORDINATE WITH OWNER FURNISHED EQUIPMENT.
10. PROVIDE EMERGENCY POWER OFF (EPO) (SPST, 20MM HEAD, RED, MAINTAINED CONTACT) TO DISCONNECT POWER TO EQUIPMENT IN THIS ROOM VIA SHUNT TRIP MAIN ON PANEL N2F. CONNECT SWITCHES TO MAIN ON PANEL SO ANY EPO SWITCH WILL ACTIVATE SHUNT TRIP. PROVIDE ENGRAVED LABEL "EMERGENCY POWER OFF" FOR SWITCHES.
11. ALL NORMAL POWER OUTLETS ARE CIRCUITED TO PANEL N2G, UNLESS OTHERWISE NOTED.
12. ALL COMPUTER OUTLETS ARE CIRCUITED TO PANEL C2G, UNLESS OTHERWISE NOTED.
13. PROVIDE DEVICE SHOWN FLUSH MOUNTED IN PRE-CAST CONCRETE WALL. COORDINATE ROUGH-IN REQUIREMENTS WITH PRE-CAST CONCRETE WALL PROVIDER. SEE DETAIL B4/E5.05 FOR ADDITIONAL INFORMATION.
14. INSTALL KEY SWITCH FOR CONTROL OF OVERHEAD COILING DOOR. PROVIDE ALL CONDUIT AND WIRING REQUIRED FOR A FULLY OPERATIONAL SYSTEM. COORDINATE WITH DIVISION 8 AND EQUIPMENT MANUFACTURER FOR EXACT REQUIREMENTS.
15. PROVIDE DEVICE SHOWN FLUSH MOUNTED IN PRE-CAST CONCRETE WALL. COORDINATE ROUGH-IN REQUIREMENTS WITH PRE-CAST CONCRETE WALL PROVIDER. INSTALLATION SIMILAR TO DETAIL B4/E5.05 FOR ADDITIONAL INFORMATION. SEE ARCHITECTURAL DRAWINGS FOR WALL CONSTRUCTION TYPES.
16. PROVIDE A 30A, 250V RECEPTACLE, NEMA CONFIGURATION AS REQUIRED FOR THE DRYER. CONNECT TO CIRCUIT INDICATED WITH #10 AWG CONDUCTORS.
17. PROVIDE PENDANT DOUBLE DUPLEX RECEPTACLE WITH SPRING LOADED TAKE-UP REEL (DANIEL WOODHEAD MODEL #997-3000 OR AS APPROVED).

THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP

KEY PLAN

Architects
Alaska
An Alaskan Corporation

Architecture
Landscape Architecture
Interior Architecture
900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567
191 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503

AMC ENGINEERS
Adams, Morgenstern and Company, Inc.
3333 Denali Street, Suite 100
Anchorage, Alaska 99503-0008
Tel: 807-272-5683
Fax: 807-272-0451

00501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions

No.	Description	Date

Drawn by TDO Date 12-29-2000
Checked EEP Job No. 00003.01

Sheet Contents

FIRST FLOOR PLAN
AREA - B
POWER

Discipline E Sheet No. 1.09

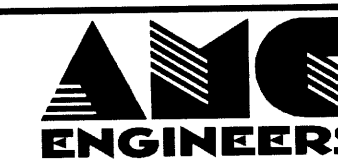
FIRST FLOOR PLAN - AREA - B - POWER

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

1/8" 1/4" 1/2" 1-1/2" GRAPHIC SCALE

SHEET NOTES

1. PROVIDE FIRE ALARM CONNECTION TO FIRE/SMOKE DAMPER (FSD) CIRCUIT FOR FSD CLOSURE CONTROL IN ACCORDANCE WITH SPECIFICATION SECTION 16723. REFER TO MECHANICAL DRAWINGS FOR EXACT FSD LOCATION.
2. HIGH ABUSE CALL SWITCH. SEE SPECIFICATION SECTION 16760 FOR ADDITIONAL INFORMATION.
3. FLOOR MOUNTED GYM PA RACK. REFER TO SPECIFICATION SECTION 16770 AND DIAGRAM A3/E5.04 FOR ADDITIONAL INFORMATION.
4. SOURCE SELECT, VOLUME CONTROL, AND TRANSPORT FUNCTION KEY PAD FOR THE GYM PA SOUND SYSTEM. MOUNT IN SEE-THROUGH LOCKABLE COVER.
5. PROVIDE TWO TIERS OF CABLE TRAY. UPPER TIER SHALL BE FOR CLOCK/INTERCOM/TV AND LOWER TIER SHALL BE FOR TELECOM CABLES.
6. PROVIDE DEVICE SHOWN FLUSH MOUNTED IN PRE-CAST CONCRETE WALL. COORDINATE ROUGH-IN REQUIREMENTS WITH PRE-CAST CONCRETE WALL PROVIDER. SEE DETAIL B4/E5.05 FOR ADDITIONAL INFORMATION.
7. PROVIDE DEVICE SHOWN FLUSH MOUNTED IN PRE-CAST CONCRETE WALL. COORDINATE ROUGH-IN REQUIREMENTS WITH PRE-CAST CONCRETE WALL PROVIDER. INSTALLATION SIMILAR TO DETAIL B4/E5.05. SEE ARCHITECTURAL FLOOR PLANS AND DETAILS FOR EXACT REQUIREMENTS.
8. PROVIDE WALL MOUNTED DEVICE IN A RECESSED JUNCTION BOX SO THAT THE DEVICE IS FLUSH WITH THE WALL AND NO PART OF THE DEVICE PROTRUDES BEYOND PLANE OF THE WALL SURFACE.
9. PROVIDE 2 INCH EMT CONDUIT FOR TELECOM CABLING. INSTALL CONDUIT SO THAT THE BOTTOM OF THE CONDUIT IS 2 INCHES ABOVE THE TOP OF THE CABLE TRAY (ON THE TRAY SIDE). PROVIDE A LARGE RADIUS 90° ELBOW ON THE OTHER SIDE TURNING UP INTO IDF-2 ABOVE.
10. PROVIDE 2 INCH EMT CONDUIT FOR CLOCK/INTERCOM/TV CABLING. INSTALL CONDUIT SO THE BOTTOM OF THE CONDUIT IS 2 INCHES ABOVE THE TOP OF THE CABLE TRAY (ON THE TRAY SIDE). PROVIDE A LARGE RADIUS 90° ELBOW ON THE OTHER SIDE TURNING UP INTO IDF-2 ABOVE.

Architects
Alaska
An Alaskan CorporationArchitecture
Landscape Architecture
Interior Architecture900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567181 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503Adams, Morgenstern and Company, Inc.
3333 Denali Street, Suite 800
Anchorage, Alaska 99503-4088
Tel: 907-272-6861
Fax: 907-272-0431
phone 907-272-0431

00501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions

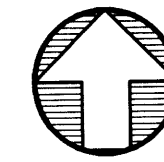
No.	Description	Date

Drawn by	Date
TDD	12-29-2000
Checked	Job No.
EFP	00003.01

Sheet Contents

FIRST FLOOR PLAN
AREA - B
SPECIAL SYSTEMSDiscipline
ESheet No.
1.15THESE PROJECT RECORD DOCUMENTS HAVE BEEN
MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED
BY THE CONTRACTOR. AMC ENGINEERS HAS
NOT FIELD VERIFIED THIS INFORMATION AND
DOES NOT CERTIFY THE COMPLETENESS AND/OR
ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EFP

KEY PLAN

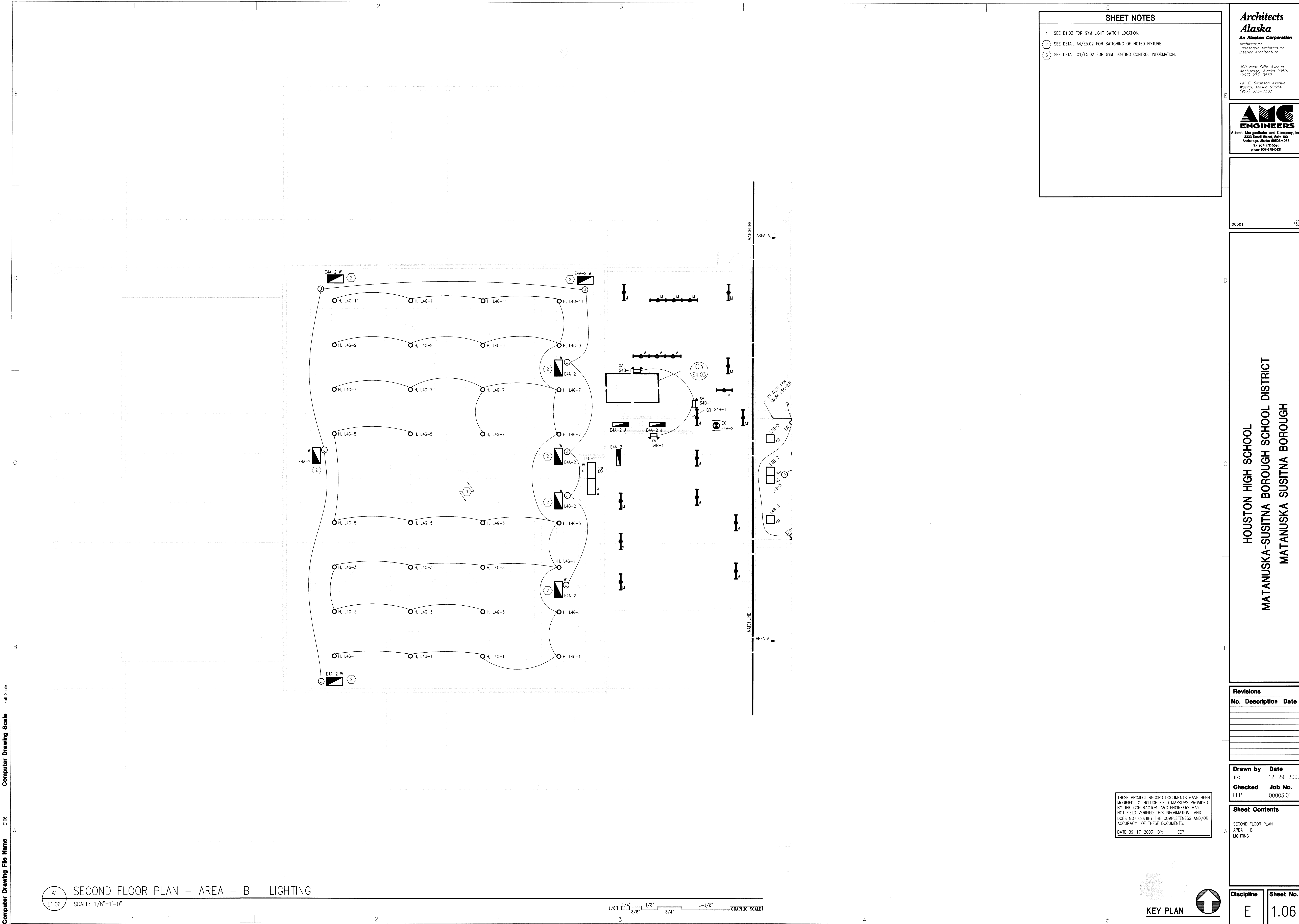


FIRST FLOOR PLAN - AREA - B - SPECIAL SYSTEMS

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

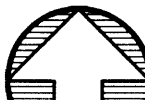
1/8" 1/4" 1/2" 3/4" 1-1/2" GRAPHIC SCALE

Computer Drawing Scale
Full ScaleComputer Drawing File Name
E115



THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP

KEY PLAN



Discipline
E

Sheet No.
1.06

Sheet Contents
SECOND FLOOR PLAN
AREA - B
LIGHTING

Drawn by
TDO

Checked
EEP

Date
12-29-2000

Job No.
00003.01

Revisions		
No.	Description	Date

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

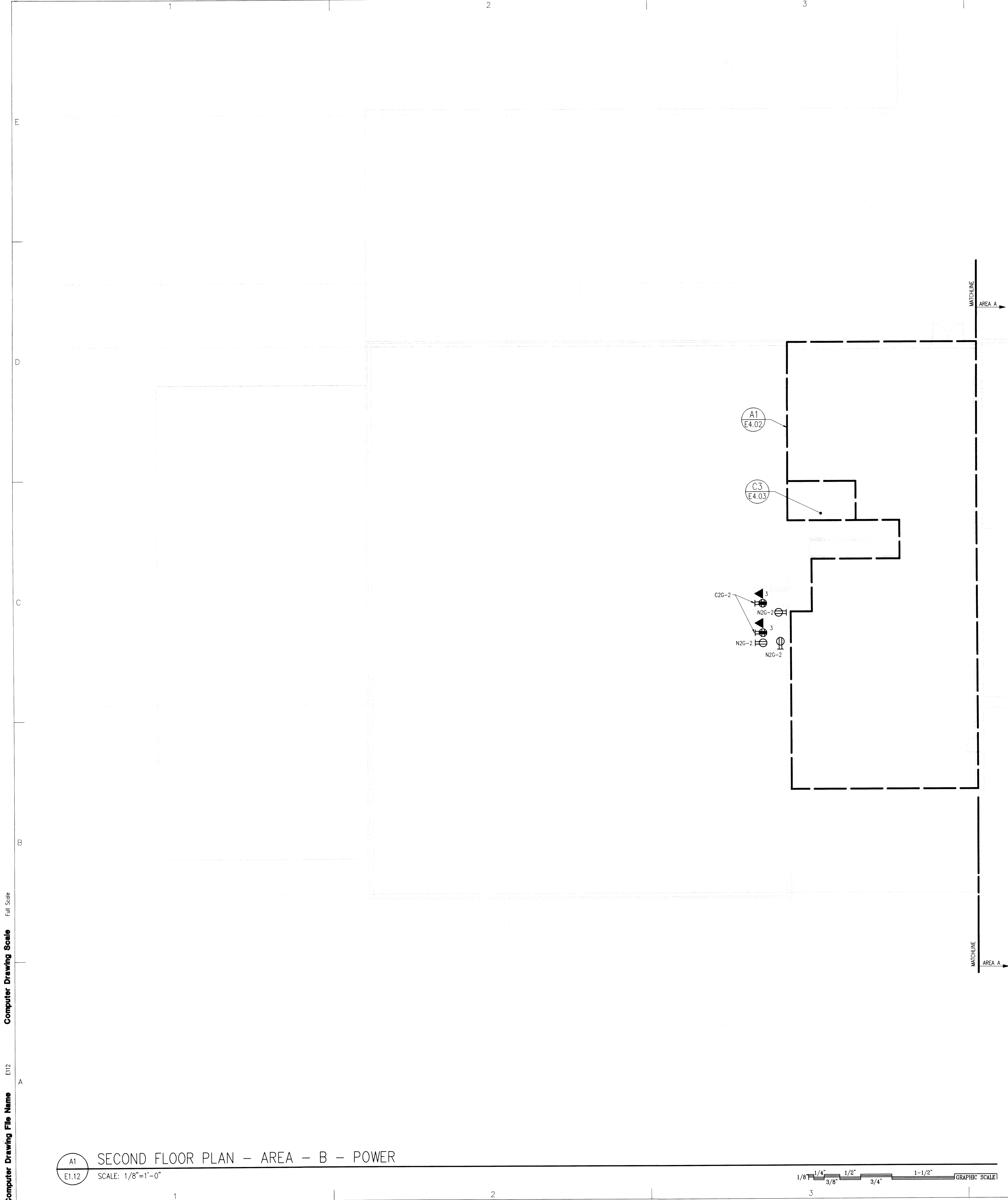
00501



Architects
Alaska
An Alaskan Corporation
Architecture
Landscape Architecture
Interior Architecture
900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567
181 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503

SHEET NOTES

- SEE E1.03 FOR GYM LIGHT SWITCH LOCATION.
- SEE DETAIL A4/E5.02 FOR SWITCHING OF NOTED FIXTURE.
- SEE DETAIL C1/E5.02 FOR GYM LIGHTING CONTROL INFORMATION.



SHEET NOTES

1. HOMERUN TELECOM CABLING ON THIS SHEET TO THE IDF-2 (ELECT. R201) IN ACCORDANCE WITH SPECIFICATION SECTION 16745 AND TELECOM DETAILS. SEE SPECIAL SYSTEM PLAN SHEETS FOR CABLE TRAYS AND PATHWAYS.

Architects
Alaska
An Alaskan Corporation

Architecture
Landscape Architecture
Interior Architecture

900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567
191 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503

AMC
ENGINEERS

Adams, Morgenthau and Company, Inc.
3383 Denali Street, Suite 100
Anchorage, Alaska 99503-4088
Tel. 907-272-8683
phone 907-278-1431

00501

©

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions		
No.	Description	Date

Drawn by	Date
TDD	12-29-2000
Checked	Job No.
EEP	00003.01

Sheet Contents

SECOND FLOOR PLAN
AREA - B
POWER

Discipline	Sheet No.
E	1.12

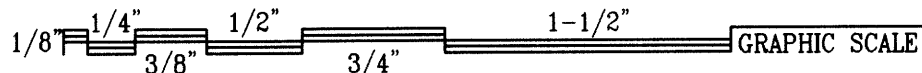
THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP

KEY PLAN

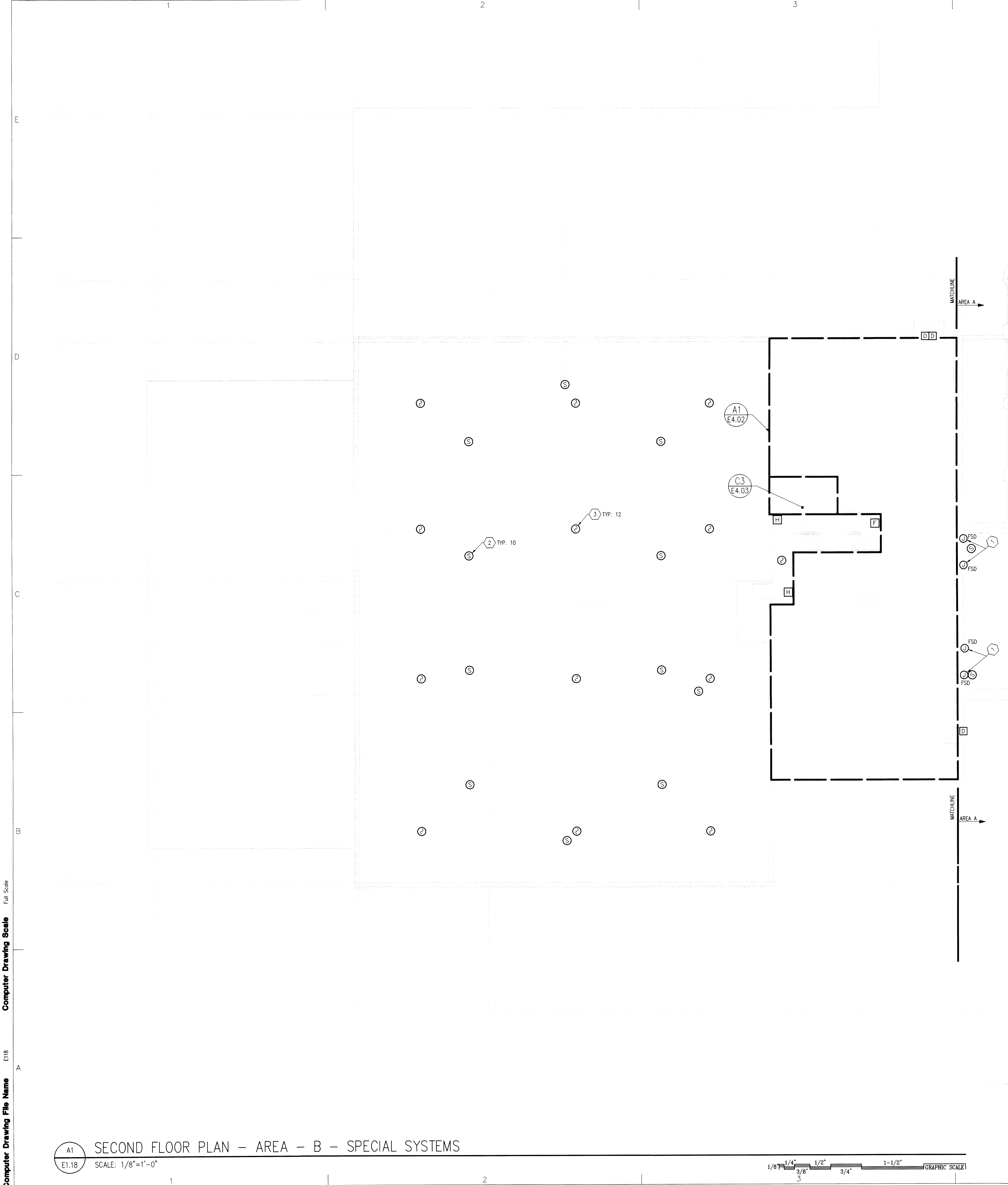
A1
E1.12

SECOND FLOOR PLAN - AREA - B - POWER

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



Computer Drawing File Name E112 Computer Drawing Scale Full Scale



SHEET NOTES

1

PROVIDE FIRE ALARM CONNECTION TO FIRE/SMOKE DAMPER (FSD) CIRCUIT FOR FSD CLOSURE CONTROL IN ACCORDANCE WITH SPECIFICATION SECTION 16723. REFER TO MECHANICAL DRAWINGS FOR EXACT FSD LOCATION.

2

SURFACE MOUNT INTERCOM/PAGING SPEAKERS ON THE BOTTOM OF THE GYM ROOF STRUCTURE. PROVIDE A SURFACE MOUNTED BACKBOX AS REQUIRED. SEE SPECIFICATION SECTION 16760 FOR ADDITIONAL INFORMATION.

3

SURFACE MOUNT MULTI-TECHNOLOGY DETECTORS ON THE BOTTOM OF THE GYM ROOF STRUCTURE. PROVIDE A SURFACE MOUNTED BOX AS REQUIRED.

Architects
Alaska

An Alaskan Corporation

Architecture
Landscape Architecture
Interior Architecture

900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567

191 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503

ENGINEERS

Adams, Mogenbauer and Company, Inc.

3333 Denali Street, Suite 100
Anchorage, Alaska 99503-4088
Tel: 907-272-5563
phone 907-278-0481

00501 ©

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

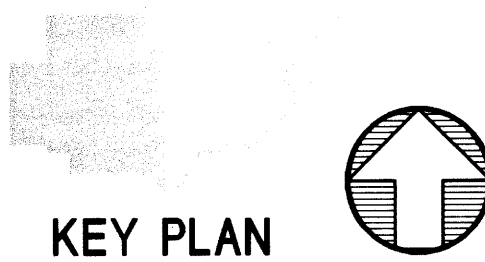
Revisions		
No.	Description	Date

Drawn by	Date
TDO	12-29-2000
Checked	Job No.
ECP	00003.01

Sheet Contents	
SECOND FLOOR PLAN	
AREA - B	
SPECIAL SYSTEMS	

Discipline	Sheet No.
E	1.18

THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP



A1
E1.18

SECOND FLOOR PLAN - AREA - B - SPECIAL SYSTEMS

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

1/8" 1/4" 1/2" 1-1/2"

3/8" 3/4"

GRAPHIC SCALE

SHEET NOTES

- 1 PROVIDE MULTI-LEVEL SWITCHING IN THIS ROOM BY CONNECTING INBOARD LAMP(S) TO SWITCH CLOSEST TO THE DOOR AND OUTBOARD LAMPS TO THE OTHER SWITCH. CONNECT TO CIRCUITS INDICATED. SEE DETAIL B2/ES.01 FOR ADDITIONAL INFORMATION.
- 2 CIRCUIT NORTH SIDE OF CORRIDOR C100A TO L4A-30 (EXCEPT TYPE "R") AND CIRCUIT SOUTH SIDE OF CORRIDOR C100A TO L4A-32 (EXCEPT TYPE "R"). CIRCUIT TYPE "R" FIXTURES TO L4A-34.
- 3 SEE DETAIL B1/ES.01 FOR ADDITIONAL INFORMATION ON CORRIDOR LIGHTING CONTROL. CONTROL CIRCUITS L4A-30, 32, AND 34 WITH NOTED OCCUPANCY SENSORS.
- 4 PROVIDE MULTI-LEVEL SWITCHING IN THIS ROOM. CONNECT TO CIRCUIT INDICATED. SEE DETAIL B4/ES.01 FOR ADDITIONAL INFORMATION.
- 5 PROVIDE AN OCCUPANCY SENSOR IN THIS ROOM FOR LIGHTING CONTROL. CONNECT TO CIRCUIT INDICATED. SEE DETAIL A1/ES.01 FOR ADDITIONAL INFORMATION.
- 6 PROVIDE AN OCCUPANCY SENSOR IN THIS ROOM FOR LIGHTING CONTROL. CONNECT TO CIRCUIT INDICATED. SEE DETAIL D2/ES.01 FOR ADDITIONAL INFORMATION.
- 7 CONNECT EXTERIOR BUILDING MOUNTED LIGHTING TO CIRCUIT L4H-17 PER DETAIL D1/ES.01.

Architects
Alaska
An Alaskan Corporation
Architecture
Landscape Architecture
Interior Architecture

900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567
181 E. Swanson Avenue
Wasilla, Alaska 99564
(907) 373-7503

ENGINEERS
Adams, Morgenthaler and Company, Inc.
3333 Denali Street, Suite 100
Anchorage, Alaska 99503-4088
fax 907-278-8888
phone 907-278-0481

00501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions

No.	Description	Date
1	FM-C123	10/8/01

Drawn by	Date
TDD	12-29-2000
Checked	Job No.
EPP	00003.01

Sheet Contents

FIRST FLOOR PLAN
AREA - C
LIGHTING

Discipline

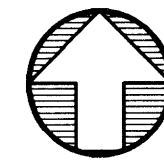
E

Sheet No.

1.04

THESE PROJECT RECORD DOCUMENTS HAVE BEEN
MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED
BY THE CONTRACTOR. AMC ENGINEERS HAS
NOT FIELD VERIFIED THIS INFORMATION AND
DOES NOT CERTIFY THE COMPLETENESS AND/OR
ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP

KEY PLAN



8-C-01 P. 2 of 2

SHEET NOTES

1. HOMERUN TELECOM CABLING ON THIS SHEET TO THE MDF ROOM (TECH. CONTROL, C105A) IN ACCORDANCE WITH SPECIFICATION SECTION 16745 AND TELECOM DETAILS. SEE SPECIAL SYSTEM PLAN SHEETS FOR CABLE TRAYS AND PATHWAYS.
2. PROVIDE ACCESS FLOOR SYSTEM IN ACCORDANCE WITH SPECIFICATION SECTION 16150 FOR AREA INDICATED BY DASHED LINES. PROVIDE FLOOR MOUNTED DEVICES AS PART OF THE FLOOR SYSTEM. PROVIDE ALL REQUIRED POWER AND DATA CONNECTIONS AND PATHWAYS REQUIRED FOR A COMPLETE INSTALLATION.
3. PROVIDE A 2" CONDUIT FOR TELECOMMUNICATION PATHWAY FROM DEPRESSED SLAB AREA OF ACCESS FLOOR SYSTEM TO CABLE TRAY IN TECH. CONTROL, ROOM C105A.
4. PROVIDE CEILING MOUNTED DEVICES AS SHOWN FOR POWER AND COMMUNICATION CONNECTIONS TO CEILING MOUNTED PROJECTOR.
5. MOUNT POWER AND TELECOMMUNICATION OUTLETS AT +42" ABOVE THE BASEBOARD HEATING AND/OR CABINETRY. LOCATE DEVICES BETWEEN WINDOWS AS SHOWN.
6. ALL COMPUTER POWER OUTLETS ARE CIRCUITED TO PANEL C2A UNLESS OTHERWISE NOTED.
7. ALL NORMAL POWER OUTLETS ARE CIRCUITED TO PANEL N2A UNLESS OTHERWISE NOTED.
8. CONNECT HEAT TRACE TO CIRCUIT INDICATED. SEE DIV. 15 FOR EXACT LOCATION.
9. CONNECT COPIER TO CIRCUIT INDICATED WITH #12 AWG CONDUCTORS. VERIFY NEMA CONFIGURATION REQUIRED BY EQUIPMENT MANUFACTURER.
10. CONNECT GAS SOLENOID VALVE TO CIRCUIT INDICATED VIA EMERGENCY OFF SWITCHES LOCATED IN THE SCIENCE ROOMS. SEE DETAIL B2/E5.05 FOR ADDITIONAL INFORMATION.
11. CONNECT FIRE SMOKE DAMPER TO CIRCUIT INDICATED. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION. DAMPER CONTROL SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 16723.
12. INSTALL KEY SWITCH FOR CONTROL OF OVERHEAD COILING DOOR. PROVIDE ALL CONDUIT AND WIRING REQUIRED FOR A FULLY OPERATIONAL SYSTEM. COORDINATE WITH DIVISION 8 AND EQUIPMENT MANUFACTURER FOR EXACT REQUIREMENTS.

Architects
Alaska
An Alaskan Corporation
 Architecture
 Landscape Architecture
 Interior Architecture

 900 West Fifth Avenue
 Anchorage, Alaska 99501
 (907) 272-3567

 191 E. Swanson Avenue
 Wasilla, Alaska 99654
 (907) 375-7503

ENGINEERS
 Adams, Morgenthaler and Company, Inc.
 3333 Dowd Street, Suite 400
 Anchorage, Alaska 99503-4088
 Tel: 907-272-6666
 Fax: 907-279-0481

00501

 HOUSTON HIGH SCHOOL
 MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
 MATANUSKA SUSITNA BOROUGH

Revisions

No.	Description	Date
1	FM-C123	10/8/01

Drawn by

TDO

Date

12-29-2000

Checked

EEP

Job No.

00003.01

Sheet Contents

 FIRST FLOOR PLAN
 AREA - C
 POWER

Discipline

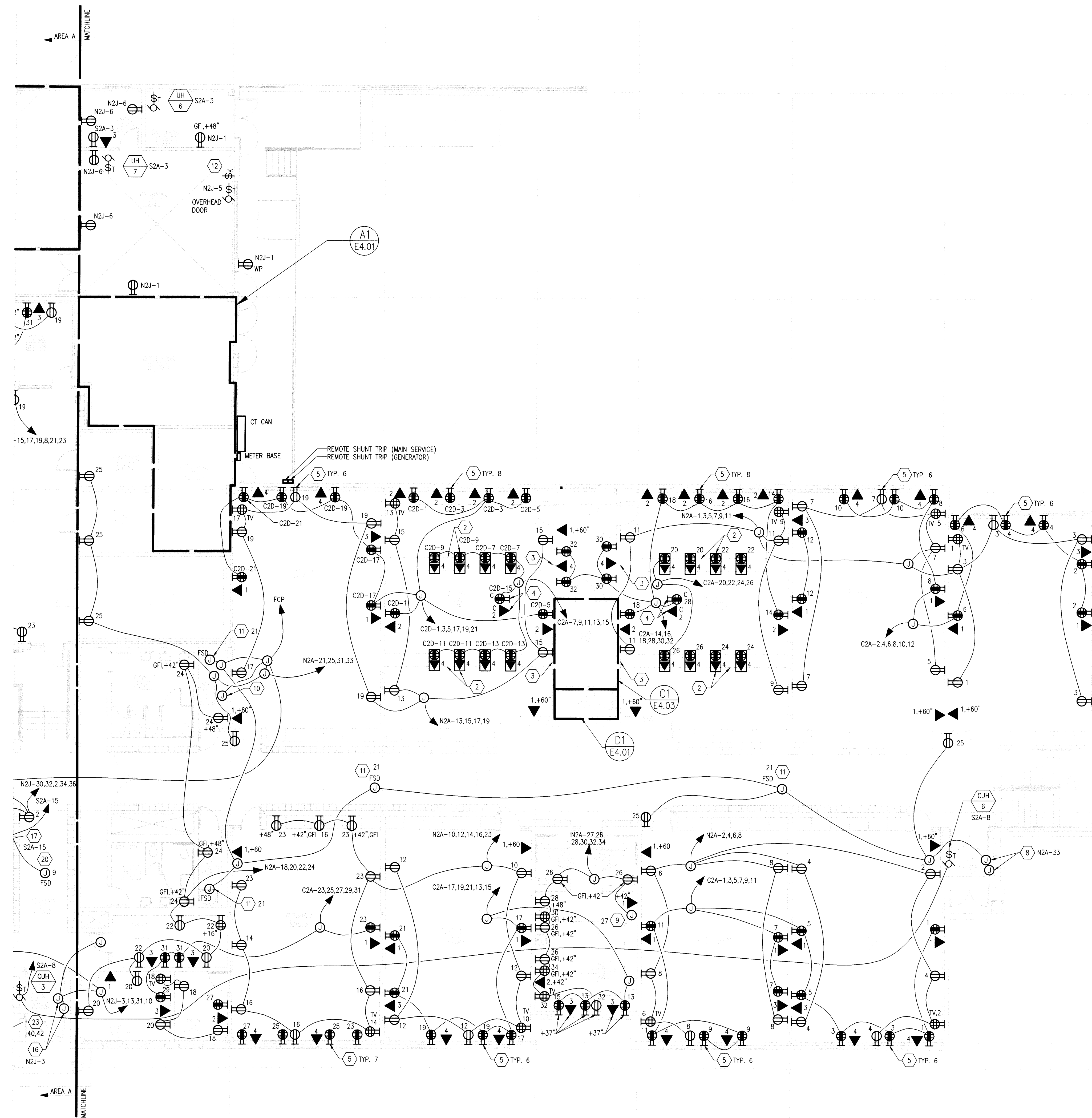
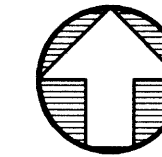
E

Sheet No.

1.10

 THESE PROJECT RECORD DOCUMENTS HAVE BEEN
 MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED
 BY THE CONTRACTOR. AMC ENGINEERS HAS
 NOT FIELD VERIFIED THIS INFORMATION, AND
 DOES NOT CERTIFY THE COMPLETENESS AND/OR
 ACCURACY OF THESE DOCUMENTS.
 DATE: 09-17-2003 BY: EEP

KEY PLAN


 A1 FIRST FLOOR PLAN - AREA - C - POWER
 E1.10 SCALE: 1/8"=1'-0"

 1/8" 1/4" 1/2" 1-1/2"
 3/8" 3/4" GRAPHIC SCALE

SHEET NOTES

- 1 PROVIDE FIRE ALARM CONNECTION TO FIRE/SMOKE DAMPER (FSD) CIRCUIT FOR FSD CLOSURE CONTROL IN ACCORDANCE WITH SPECIFICATION SECTION 16723. REFER TO MECHANICAL DRAWINGS FOR EXACT FSD LOCATION.
- 2 PROVIDE TWO TIERS OF CABLE TRAY. UPPER TIER SHALL BE FOR CLOCK/INTERCOM/TV CABLING AND LOWER TIER SHALL BE FOR TELECOM CABLES.
- 3 PROVIDE 4 INCH EMT CONDUIT FOR TELECOM CABLING. INSTALL CONDUIT SO THE BOTTOM OF THE CONDUIT IS AT 2 INCHES ABOVE THE TOP OF THE CABLE TRAY. PROVIDE FIRE SEAL AT CONDUIT ENDS AFTER CABLING IS INSTALLED.
- 4 PROVIDE 2 INCH EMT CONDUIT FOR CLOCK/INTERCOM/TV CABLING. INSTALL CONDUIT SO THE BOTTOM OF THE CONDUIT IS AT 2 INCHES ABOVE THE TOP OF THE CABLE TRAY. PROVIDE FIRE SEAL AT CONDUIT ENDS AFTER CABLING IS INSTALLED.
- 5 LOCATE DETECTOR WITHIN THREE FEET OF THE PEAK OF THE SLOPED CEILING. SEE REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION.

Architects
Alaska
An Alaskan CorporationArchitecture
Landscape Architecture
Interior Architecture900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 219-5567
191 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503**ENGINEERS**
Adams, Morgenthaler and Company, Inc.3333 Denali Street, Suite 400
Anchorage, Alaska 99503-4088
fax 907-272-5583
phone 907-278-0451

00601

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions

No.	Description	Date
1	FM-C123	10/8/01

Drawn by	Date
TDO	12-29-2000
Checked	Job No.
EPP	00003.01

Sheet Contents

FIRST FLOOR PLAN
AREA - C
SPECIAL SYSTEMS

Discipline

E

Sheet No.

1.16

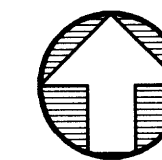
P. 212
8C-C-01THESE PROJECT RECORD DOCUMENTS HAVE BEEN
MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED
BY THE CONTRACTOR. AMC ENGINEERS HAS
NOT FIELD VERIFIED THIS INFORMATION AND
DOES NOT CERTIFY THE COMPLETENESS AND/OR
ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP

FIRST FLOOR PLAN - AREA - C - SPECIAL SYSTEMS

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

1/8" 1/4" 1/2" 1-1/2"
3/8" 3/4" GRAPHIC SCALE

KEY PLAN



SHEET NOTES

- 1 PROVIDE MULTI-LEVEL SWITCHING IN THIS ROOM BY CONNECTING INBOARD LAMP(S) TO SWITCH CLOSEST TO THE DOOR AND OUTBOARD LAMPS TO THE OTHER SWITCH. CONNECT TO CIRCUITS INDICATED. SEE DETAIL B2/E5.01 FOR ADDITIONAL INFORMATION.
- 2 3-WAY SWITCH IS FOR CONTROL OF INBOARD LAMPS ONLY. CONTROL SHALL BE SIMILAR TO DETAIL D4/E5.01 EXCEPT THE INBOARD LAMPS HAVE 3-WAY SWITCHES.
- 3 PROVIDE MULTI-LEVEL SWITCHING IN THIS ROOM BY CONNECTING LAMPS PER DETAIL D4/E5.01.
- 4 CIRCUIT NORTH SIDE OF CORRIDOR C200 TO CIRCUIT L4A-13 AND CIRCUIT SOUTH SIDE OF CORRIDOR C200 TO CIRCUIT L4A-15.
- 5 CIRCUIT NOTED FIXTURES TO CIRCUIT L4A-17.
- 6 SEE DETAIL B1/E5.01 FOR ADDITIONAL INFORMATION ON CORRIDOR LIGHTING CONTROL. CONTROL CIRCUITS L4A-13 AND L4A-15 WITH THE NOTED OCCUPANCY SENSORS.
- 7 PROVIDE AN OCCUPANCY SENSOR IN THIS ROOM FOR LIGHTING CONTROL. CONNECT TO CIRCUIT INDICATED. SEE DETAIL A1/E5.01 FOR ADDITIONAL INFORMATION.
- 8 PROVIDE AN OCCUPANCY SENSOR IN THIS ROOM FOR LIGHTING CONTROL. CONNECT TO CIRCUIT INDICATED. SEE DETAIL D2/E5.01 FOR ADDITIONAL INFORMATION.

Architects
Alaska
An Alaskan Corporation
Architecture
Landscape Architecture
Interior Architecture

900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567
191 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503

ENGINEERS
Adams, Morgenstern and Company, Inc.
3333 Denali Street, Suite 100
Anchorage, Alaska 99503-4088
Tel: 907-272-5861
Fax: 907-272-0431

00501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions

No.	Description	Date

Drawn by TDD	Date 12-29-2000
Checked EEP	Job No. 00003.01

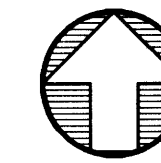
Sheet Contents

SECOND FLOOR PLAN
AREA - C
LIGHTING

Discipline E	Sheet No. 1.07
-----------------	-------------------

THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AMC ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION, AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP

KEY PLAN



A1 SECOND FLOOR PLAN - AREA - C - LIGHTING

E1.07 SCALE: 1/8"=1'-0"

1/8" 1/4" 1/2" 3/4" 1-1/2" GRAPHIC SCALE

SHEET NOTES

1. ALL RECEPTACLES IN NOTED ROOM SHALL BE GFI TYPE EXCEPT FOR THE TV RECEPTACLE. ALSO, ALL RECEPTACLES AND TELECOMMUNICATION OUTLETS SHALL BE MOUNTED AT +42" AFF UNLESS OTHERWISE NOTED.
2. ALL RECEPTACLES AND TELECOMMUNICATION OUTLETS SHALL BE MOUNTED AT +42" AFF UNLESS OTHERWISE NOTED.
3. PROVIDE A LOW PROFILE PEDESTAL WITH DIE-CAST ALUMINUM FRAME, BRUSHED ALUMINUM HOUSING, STAINLESS STEEL FACEPLATES, AND BACK-TO-BACK DUPLEX RECEPTACLES MOUNTED TO THE COUNTERTOP. HUBBELL SC3092, OR AS APPROVED.
4. ALL COMPUTER POWER OUTLETS ARE CIRCUITED TO PANEL C2C UNLESS OTHERWISE NOTED.
5. ALL NORMAL POWER OUTLETS ARE CIRCUITED TO PANEL N2C UNLESS OTHERWISE NOTED.
6. MOUNT POWER AND TELECOMMUNICATION OUTLETS AT +42" ABOVE THE BASEBOARD HEATING AND/OR CABINETRY. LOCATE DEVICES BETWEEN WINDOWS AS SHOWN.
7. PROVIDE EMERGENCY OFF GAS KILL SWITCH FOR CONTROL OF GAS SOLENOID VALVE. SEE DETAIL B2/E5.05 FOR ADDITIONAL INFORMATION.
8. CONNECT GOGGLE STERILIZER CABINET TO CIRCUIT INDICATED.
9. CONNECT FLUME HOOD RECEPTACLES AND LIGHTING TO CIRCUIT INDICATED. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT MANUFACTURER.
10. CONNECT COPIER TO CIRCUIT INDICATED WITH #12 AWG CONDUCTORS. VERIFY NEMA CONFIGURATION REQUIRED BY EQUIPMENT MANUFACTURER.
11. CONNECT FIRE SMOKE DAMPER TO CIRCUIT INDICATED. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION. DAMPER CONTROL SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 16723.
12. HOMERUN TELECOM CABLING ON THIS SHEET TO THE MDF ROOM (TECH. CONTROL C105A) IN ACCORDANCE WITH SPECIFICATION SECTION 16745 AND TELECOM DETAILS. SEE SPECIAL SYSTEM PLAN SHEETS FOR CABLE TRAYS AND PATHWAYS.

Architects
Alaska

An Alaskan Corporation
Architecture
Landscape Architecture
Interior Architecture

900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 272-3567

191 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-2503

AME
ENGINEERS

Adams, Morganthaler and Company, Inc.
3333 Denali Street, Suite 600
Anchorage, Alaska 99503-4088
fax 907-272-5585
phone 907-272-5451

00501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions

No.	Description	Date

Drawn by

TDD

12-29-2000

Checked

EEP

00003.01

Sheet Contents

SECOND FLOOR PLAN

AREA - C

POWER

Discipline

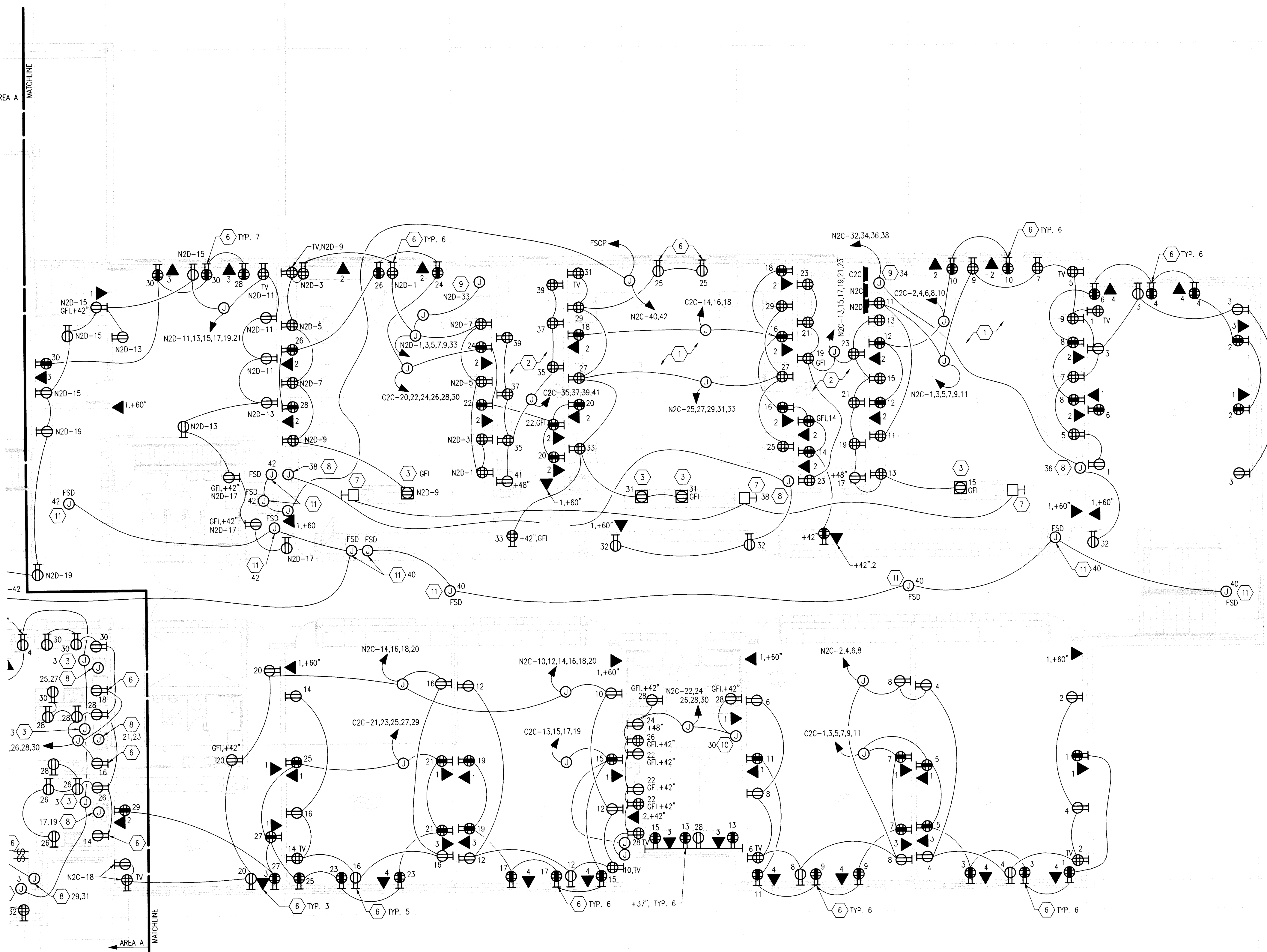
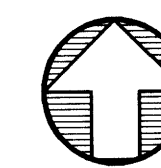
E

Sheet No.

1.13

THESE PROJECT RECORD DOCUMENTS HAVE BEEN MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED BY THE CONTRACTOR. AME ENGINEERS HAS NOT FIELD VERIFIED THIS INFORMATION AND DOES NOT CERTIFY THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP

KEY PLAN



SHEET NOTES

- 1 PROVIDE FIRE ALARM CONNECTION TO FIRE/SMOKE DAMPER (FSD). CIRCUIT FOR FSD CLOSURE CONTROL IN ACCORDANCE WITH SPECIFICATION SECTION 16723. REFER TO MECHANICAL DRAWINGS FOR EXACT FSD LOCATION.
- 2 PROVIDE TWO TIERS OF CABLE TRAY. UPPER TIER SHALL BE FOR CLOCK/INTERCOM/TV CABLING AND LOWER TIER SHALL BE FOR TELECOM CABLES.
- 3 PROVIDE 4 INCH EMT CONDUIT FOR TELECOM CABLING. INSTALL CONDUIT SO THE BOTTOM OF THE CONDUIT IS AT 2 INCHES ABOVE THE TOP OF THE CABLE TRAY. PROVIDE FIRE SEAL AT CONDUIT ENDS AFTER CABLING IS INSTALLED.
- 4 PROVIDE 2 INCH EMT CONDUIT FOR CLOCK/INTERCOM/TV CABLING. INSTALL CONDUIT SO THE BOTTOM OF THE CONDUIT IS AT 2 INCHES ABOVE THE TOP OF THE CABLE TRAY. PROVIDE FIRE SEAL AT CONDUIT ENDS AFTER CABLING IS INSTALLED.
- 5 PROVIDE 3 INCH EMT CONDUIT FOR TELECOM CABLING. INSTALL CONDUIT SO THE BOTTOM OF THE CONDUIT IS AT 2 INCHES BELOW THE SECOND FLOOR PAN DECK BELOW AND THE TOP OF THE CONDUIT IS 2 INCHES ABOVE THE TOP OF THE CABLETRAY. ROUTE TELECOM CABLES FROM THE SECOND FLOOR TO THE MDF ROOM ON THE FIRST FLOOR BELOW. PROVIDE FIRE SEAL AT CONDUIT ENDS AFTER CABLING IS INSTALLED.
- 6 PROVIDE 2 INCH EMT CONDUIT FOR CLOCK/INTERCOM/TV CABLING. INSTALL CONDUIT SO THE BOTTOM OF THE CONDUIT IS AT 2 INCHES BELOW THE SECOND FLOOR PAN DECK BELOW AND THE TOP OF THE CONDUIT IS 2 INCHES ABOVE THE TOP OF THE CABLETRAY. ROUTE CABLES FROM THE SECOND FLOOR TO THE MDF ROOM ON THE FIRST FLOOR BELOW. PROVIDE FIRE SEAL AT CONDUIT ENDS AFTER CABLING IS INSTALLED.
- 7 LOCATE DETECTOR WITHIN THREE FEET OF THE PEAK OF THE SLOPED CEILING. SEE REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION.
- 8 FLOOR MOUNTED MAGNETIC DOOR HOLDER.

Architects
Alaska
An Alaskan CorporationArchitecture
Landscape Architecture
Interior Architecture900 West Fifth Avenue
Anchorage, Alaska 99501
(907) 257-5967
191 E. Swanson Avenue
Wasilla, Alaska 99654
(907) 373-7503**AMC**
ENGINEERSAdams, Morgenthaler and Company, Inc.
3333 Denali Street, Suite 100
Anchorage, Alaska 99503-6088
fax 907-572-5553
phone 907-572-9431

00501

HOUSTON HIGH SCHOOL
MATANUSKA-SUSITNA BOROUGH SCHOOL DISTRICT
MATANUSKA SUSITNA BOROUGH

Revisions

No.	Description	Date

Drawn by	Date
TDD	12-29-2000
Checked	Job No.
EFP	00003.01

Sheet Contents

SECOND FLOOR PLAN
AREA - C
SPECIAL SYSTEMS

Discipline	Sheet No.
E	1.19

THESE PROJECT RECORD DOCUMENTS HAVE BEEN
MODIFIED TO INCLUDE FIELD MARKUPS PROVIDED
BY THE CONTRACTOR. AMC ENGINEERS HAS
NOT FIELD VERIFIED THIS INFORMATION. AND
DOES NOT CERTIFY THE COMPLETENESS AND/OR
ACCURACY OF THESE DOCUMENTS.
DATE: 09-17-2003 BY: EEP

KEY PLAN



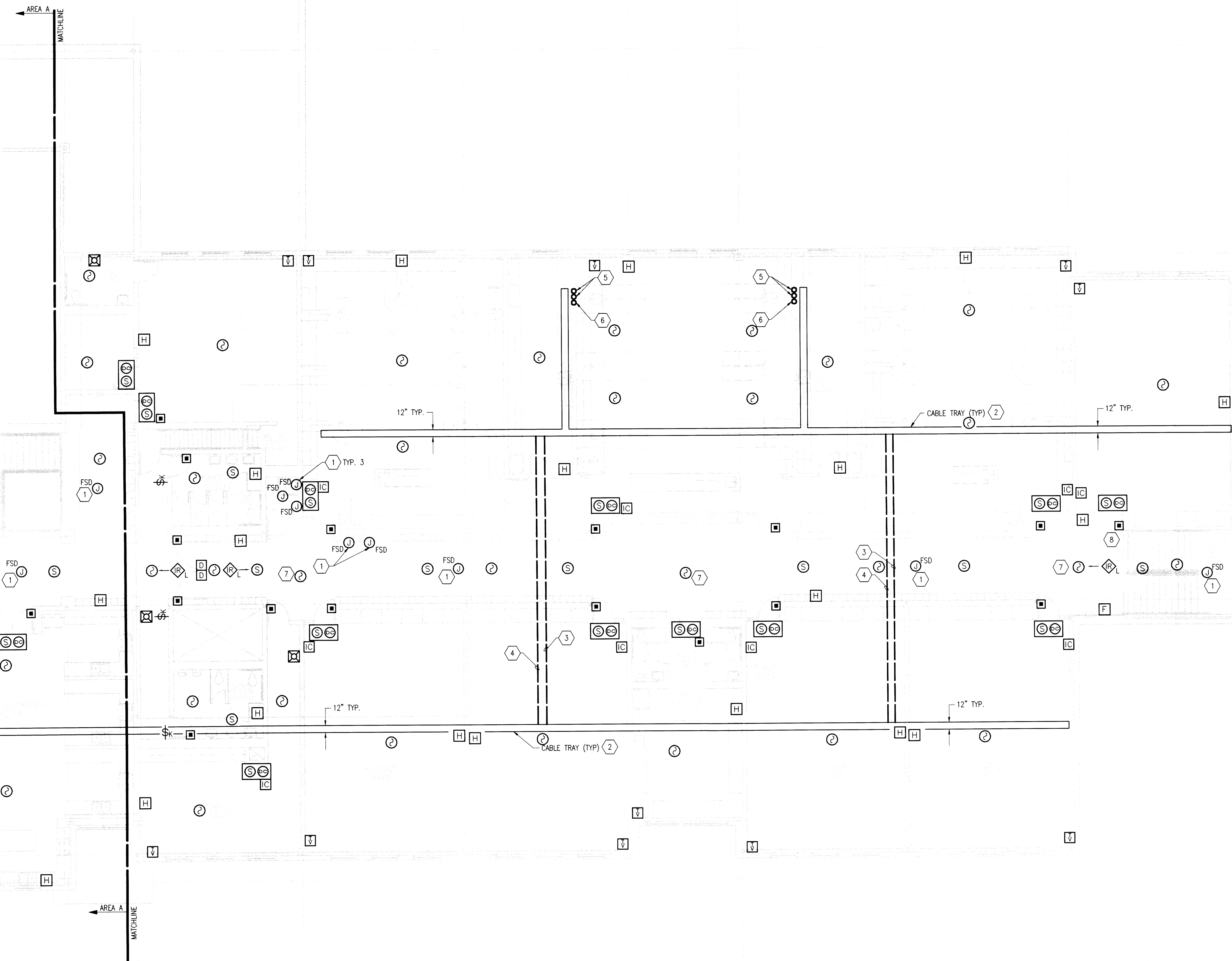
1

2

3

4

5

A1
E1.19 SECOND FLOOR PLAN - AREA - C - SPECIAL SYSTEMS
SCALE: 1/8"=1'-0"

1/8" 1/4" 1/2" 3/4" 1-1/2" GRAPHIC SCALE

5