Thurgood Marshall Middle School Request for Solar Proposal (RFP)



Issued by Olympia Community Solar

Mason Rolph Olympia Community Solar 112 4th Ave E, STE 208 Olympia WA, 98501 (360) 481-4020 mason@olysol.org



REQUEST FOR PROPOSAL FOR INSTALLATION OF A COMMUNITY SOLAR PROJECT

Summary

Olympia Community Solar is seeking a turnkey proposal from a qualified firm to install a 100 kW AC solar energy installation (or larger than 100 kW AC if you provide a financial assessment of utilizing PSE Schedule 91) on Thurgood Marshall Middle School. Olympia Community Solar has partnered with the Olympia School District to site our third community solar project on the elementary school.

Olympia Community Solar has developed and funded two community solar projects, the Hummingbird project on the Hands On Children's Museum and the Sunflower project on the Olympia Farmers Market.

SITE VISIT

There will not be an in person site assessment included in the proposal process. The selected firm will have the opportunity to perform site assessments prior to contracting. Information about the project site, including an experienced solar installer's evaluation, are included as an appendix along with a power bill and building plans.

SITE ADDRESS

3939 20th Ave NW, Olympia, WA 98502

PROPOSAL SUBMITTAL

Please submit a proposal in PDF form to the points of contact by 5:00pm on June 24th.

BASIC REQUIREMENTS FOR PROPOSING FIRMS

- Must be registered, or indicate that they will register, with the appropriate Business License divisions in Mason County and in good standing to be considered for this project.
- Must be a general contractor and must hold an active Contractor Registration with Washington State Department of Labor and Industries.
- Must prove and maintain Workers' Compensation and Employer's Liability insurance.

Proposals Due	6/24/2022 by 5:00pm PST
Firm Selected	The week of June 27th
Installation Work Start	Based on contractor's avilibility

PROPOSAL FORMAT AND EVALUATION CRITERIA

Please create project proposals in 8½" x 11" document size using a minimum 12-point font size. Proposals shall not exceed 20 pages, including cover page, cover letter and any appendices and/ or attachments.

I. Cover letter

A. The cover letter shall discuss the highlights, key features and distinguishing points of the Proposal. The cover letter must be prepared and signed by a manager having the authority to make offers and enter into financial agreements on behalf of the firm.

II. Proposing firm profile

- **A.** Detail the proposing firm's size and local organizational structure. Describe the demonstrated experience of the firm in designing and installing commercial solar electric systems. Please note any significant installations by the firm in Thurston County.
- **B.** Please indicate your firm's existing installation commitments and crew availability.

III. Qualifications of the project team

- **A.** Identify key personnel for this project including roles, experience, licenses, and certificates (e.g., NABCEP), with corresponding numbers as appropriate. Key personnel should include at a minimum: Owners/Principals; Project Managers; Designers; Installers.
- **B.** Identify any subcontractors the firm plans to use.

IV. <u>Business practices</u>

- A. **Work practices**: Address the firm's health and safety record and practices. Identify any communications with the Washington State Department of Labor and Industries and state or federal human rights agencies regarding workplace issues in the last 3 years.
- B. Liability: Provide information on the level of insurance the firm has and provide copies of certificates.
- C. Workmanship Warranties: Describe your workmanship warranties.
- D. **Wages and Labor Practices:** Provide information about labor practices, including your commitment to providing family wages, benefits, apprenticeships, or mentoring programs.

V. Work quality

- **A.** Explain why the products included in the proposal are appropriate for this project.
- **B.** Provide descriptions of warranties and support that ensure the long-term durability, operation,

and maintenance of PV installations. Please describe any system monitoring capabilities or production gauges included. Please attach the manufacturer's specification sheets and warranty information for each major piece of equipment.

C. Include a solar production estimate. If the proposal includes modules on multiple different roof orientations, please factor each orientation into your production estimate.

VI. Customer service

- **A.** Describe how the firm plans to handle incident reports (trouble, warranty, service calls, and inquiries). Discuss the firm's typical response time on calls, hours of coverage for customer service calls, and process for providing status reports after an incident is logged.
- **B.** List any complaints received by the Better Business Bureau or the Washington Attorney General's office over the last 3 years.
- **C.** Describe the training the firm provides the host including materials or manuals, customer care books, and/or support for later questions and system performance.

VII. Special Circumstance

- **A.** Contractors, subcontractors, or employees who will have regularly scheduled unsupervised access to children must pass a criminal background check through the Washington State Patrol criminal investigation system under RCW 43.43.830-43.43.834, 10.97.030 and 10.97.050, and through the Federal Bureau of Investigation. The record check shall include a fingerprint check using a complete Washington State criminal identification fingerprint card. Tenant shall provide a copy of the record to the District upon request. Tenant shall pay for the requirements set forth in this paragraph. Tenant shall immediately remove, at no cost to Landlord, any employee or other person who Landlord deems unsuitable to perform work on the premises because of the existence of a criminal record.
- **B.** Pursuant to RCW 28A.400.330, Contractor is prohibited from assigning any person to perform any work on the Premises where there may be contact with children if that person has pled guilty to or been convicted of any felony specified in RCW 28A.400.322. Failure to comply with this section shall be grounds for Olympia Community Solar to immediately terminating contract.
- **C.** Use of Tobacco Products Prohibited. Contractor is required at all times to comply with the prohibition on the use of all tobacco products on public school property consistent with RCW 28A.210.310.

The main school building - photographer facing north.



Below: The Gym building – photographer facing west.



Marshall Middle School, Olympia WA

Main Electrical Room Subpanels in Attic Marshall Middle School **Electrical Room** Best solar access and area

Main electrical room access shown (the door the man is reaching towards), external door and primary meter.



Main Distribution Panel

This Bucket feeds panel BH in attic 480/277 400A fused



Section 2 has a 2400A buss, plenty of capacity for solar. At 277/480 100kw net metered would be a 150A output. (6%).

Use SMA Core 1 inverters or SE 3 phase inverters for 277/480 grid; no more than 100kw AC

Max grid array size is 150 kw DC



BH Panel located in Attic, 480/277 which could be "tapped" 400A feeder, 400A main

*Would require a variance from PSE for them to use the main shut off in the electrical room as the point of disconnect.



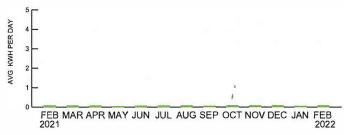
🗩 Electric Detail Information: 3939 20TH AVE NW, Olympia

Data Cabadula	Mater #	Start Date	End Date	Multiplier	Kilowatt	Electric	Reactive	Meter
Rate Schedule	Meter#	Read	Read	Multiplier	Hours (kWh)	Demand (kW)	Power (kVAR)	Read Type
0	7000050000	1/28	2/28	120			39,120	Actual Rea
Commercial 25	Z003956606	94521	94847	120	_	_	39,120	Actual Rea
0	7000050000	1/28	2/28	120		126.72		Actual Rea
Commercial 25	Z003956606	0	1.056	120	_	120.72	_	Actual Nea
0	7000050000	1/28	2/28	120	41,040			Actual Rea
Commercial 25	Z003956606	89965	90307	120	41,040	_	_	Actual Rea
Des des d'au	4000004440	1/28	2/28	1	2			Actual Rea
Production	A099034440	6042	6044	,	4	_	_	Actual Rea

Page 13 of 20 Your Usage Information Charge Your Electric Charge Details (31 days) Rate x Unit 🖊 Electric 41,040 kWh used for service 1/29/2022 - 2/28/2022 Temperature **Basic Charge** 53.95 \$53.95 per month 1500 **Net Electricity** 1200 Tier 1 (First 20000 kWh Used) 0.099295 20,000 kWh 1,985.90 PER Tier 2 (Above 20000 kWh Used) 0.072668 21,040 kWh 1,528.93 KWH Electric Demand Charge (First 50 KW Used) 0.00 0.000000 50 kW Electric Demand Charge (Above 50 KW Used) 776.41 10.120000 76.72 kW Electricity APR JUL JUL AUG SEP OCT NOV DEC JAN FEB Reactive Power Charge 0.003180 39,120 kVArH 124.40 Other Electric Charges & Credits 2021 2022 Electric Cons. Program Charge 0.004088 41,040 kWh 167.77 Last Year This Year Power Cost Adjustment 0.005616 41,040 kWh 230.48 Average daily kWh 1,200.00 1,323.87 0.000000 41,040 kWh 0.00 Merger Credit Average daily cost \$135.36 \$169.21 Federal Wind Power Credit -0.001446 41,040 kWh -59.34 Days in billing cycle 29 31 Renewable Energy Credit -0.000022 41,040 kWh -0.90Average temperature 40°F 41°F Subtotal 4,807.60 Taxes State Utility Tax (\$186.20 included in above charges) 3.873% Effect of Olympia City Tax 9.108% \$4,807.60 437.88 **Current Electric Charges** 5,245.48



Electric Production Information



Last Year This Year Production (1/29/2022 - 2/28/2022) 14 kWh Total annual production

NOTE: Production energy is measured before load. Annual cycle is from July 1 through June 30. Production payments are made annually by PSE and are separate from the monthly net metering credit.

SYMBOL	DESCRIPTION	LAMPS	VOLIS	MOUNTING & REMARKS
	HUBBELL	(2)F03218	277V	LAY-IN
	#RS2GNA02	4100 K	OB TO THE STATE OF	ELECTRONIC BALLAST
RF-2	HUBBELL #RS3GNA02	(3)F032-T8 4100 K	277V	LAY-IN ELECTRONIC BALLAST
	PRESCOLITE	(3)26W	277V	RECESSED
RF-3	#CFR926-B492	4100 K		ENERGY SAVING BALLAST
RF-4	HUBBELL #RS2FNA02	(2)F032-T8 4100 K	277	RECESSED WITH PLASTER FLANGE
F** 5***	HUBBELL	(3)F032-T8	277V	RECESSED
RF-5	#RS3FNA02	4100 K		WITH PLASTER FLANGE
RF-6	LITHONIA 'PARAMAX' #2PM3GB33224LD	(3)F032-T8 4100 K	277V	LAY-IN ELECTRONIC BALLAST
group, person sounds	LITHONIA 'PARAMAX'	······································	277\	LAY-IN
RF 7	#2PM32318LD	4100 K	000	ELECTRONIC BALLAST
			egenina a a apopulari provincia de la companya de l	
End Enter	HUBBELL	(2)F032-T8	277V	SURFACE MOUNTED (1'X4')
SF-1	#SSC2CA02E4	4100 K		ELECTRONIC BALLAST
SF-2	HUBBELL #SSD2CA02E4	(2)F032-T8	277V	SURFACE MOUNTED (2'X4')
	#JSDZCAUZE4	4100 K (2)F032-T8	277V	SURFACE MOUNTED W/WIRE GUARD
SF-3	#IG042R-PA10	4100 K	discover of the second of the	ELECTRONIC BALLAST
SF-4	HUBBELL #EDLO LODGEDGG	(2)F032-T8	277V	SURFACE MOUNTED - DAMP LABEL
	#EDL042RSPDR4 HUBBELL	4100 K (2)F032-T8	277V	SURFACE MOUNTED - WET LABEL
SF-5	#EWL042RTPDR4	4100 K	L 1 1 V	ELECTRONIC BALLAST
SF-6	HUBBELL	(4)F032-T8	277V	SURFACE MOUNTED (2'X4')
	#SSD3CA02E4 HUBBELL	4100 K	73 "Y "Y)	ELECTRONIC BALLAST
SF-7	#SSD3NA02E4	(3)F032-T8 4100 K	277V	SURFACE MOUNTED (2'X4') ELECTRONIC BALLAST
от быловия томи том общенов от от чей две две до общеновый две		The second secon	and the figure on the colonial for all and the colonial for the colonial f	
n mesendime omesen plit själpdime slävden over en er friheden handen handen han vær.	PEERLESS	(18)F032-T8		DENDANT MOUNTED
grand the second	#LD3-030460-24	4100 K	277V	PENDANT MOUNTED ELECTRONIC BALLAST
PF 2	PEERLESS	(15)F032-T8	277V	PENDANT MOUNTED
E E Glace	#LD3-030460-20	4100 K	077	ELECTRONIC BALLAST
PF-3	PEERLESS #LD3-403502-20	(15)F032-T8 4100 K	277V	PENDANT MOUNTED ELECTRONIC BALLAST
A	PEERLESS	(12)F03218	2.771	PENDANT MOUNTED
	#LD3-403502-16	4100 K	gang anaga anagag	ELECTRONIC BALLAST
PF-5	PEERLESS #LD3-403502-12	(9)F032-T8 4100 K	277V	PENDANT MOUNTED ELECTRONIC BALLAST
PF-6	PEERLESS	(6)F032-T8	277V	PENDANT MOUNTED
5 3 W.F	#LD3-403502-8 HUBBELL	4100 K	gring strongs	ELECTRONIC BALLAST
9 F7	#IGO42R-PA10	(2)F032-T8 4100 K	277V	PENDANT MOUNTED W/WIRE GUARD ELECTRONIC BALLAST
PF-8	HUBBELL	(2)F032-T8	277V	PENDANT MOUNTED - DAMP LABEL
	#EDL042RSPDR1 HUBBELL	4100 K	genty managed by	ELECTRONIC BALLAST
PFg	#SSD3NAO2E4	(3)F032-T8 4100 K	277V	PENDANT MOUNTED ELECTRONIC BALLAST
PF10	HUBBELL	(2)F032-T8	277V	PENDANT MOUNTED
	#SSC2CAO2E4	4100 K	and and a	ELECTRONIC BALLAST
And the second second	HUBBELL #SW42R-B4	(2)F032-T8 4100 K	277V	PENDANT MOUNTED W/WIRE GUARD ELECTRONIC BALLAST
nen en			Quadrature (APT) (Apr.) (277) 177 177 177 177 177 177 177 177 177 177 177 177 177	
	OF OTHER PROPERTY	ACCOM CONTRACTOR	See and mile	DENDANT MOUNTED
against a second	GE-OMNIGLOW "LOW PROFILE" #OMGL-40-M-277-A-E-14-G	400W SUPER METAL HALIDE	277V	PENDANT MOUNTED WITH WIRE GUARD
PH-2	GE-OMNIGLOW "LOW PROFILE"	400W SUPER	277V	PENDANT MOUNTED WITH QUARTZ RESTRIK
	#OMGL-40-M-277-A-E-14-G-B	METAL HALIDE	gyng yeggynningninninningnigganii ta'u uu u	SYSTEM AND WIRE GUARD.
PH-3	HOLOPHANE - ELECTRA #BL2E-40LMH-MT-L-E-X-EM	400W METAL HALIDE	277V	PENDANT MOUNTED WITH QUARTZ RESTRIK SYSTEM.
PH-4	HOLOPHANE - ELECTRA	400W MH	277V	PENDANT MOUNTED WITH AUXILIARY
	#BL2E-40LMH-MT-L-E-X-ER	250W QUARTZ	120V	QUARTZ SYSTEM.
PH-5	MCPHILBEN #3B 264	150W HPS	277V	PENDANT MOUNTED
	II		Byrnaminas and State and Anna and State a	
	MOLDOLOT		And and income	D5050050 W 245
RH-1	MOLDCAST #MDL-7	100 W HPS	277V	RECESSED IN SOFFIT ASYMMETRIC DISTRIBUTION
DU 0	MOLDCAST	100W	277	RECESSED IN SOFFIT
RH sau 2 armeri canaramente minima maneri	#MDL-6	HPS	Objection of GOOD and American State Land American State Land American State Land American State Land American	LONG & NARROW DISTRIBUTION
RH-3	MOLDCAST #MDL-5	100W HPS	277V	RECESSED IN SOFFIT SYMMETRIC DISTRIBUTION
	# mor	n 11 J	entre en	STMMETHIC DISTRIBUTION
WI 1	HUBBELL/MARCO	(1) 100W	120V	WALL MOUNTED
	#B2S	(1) 100W	120V	GLASS OPAL DIFFUSER WALL MOUNTED
WI2	HUBBELL	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1/11/	##/~{ [M1/][[][M]/[[]]

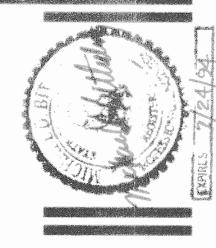
* COLOR AS SELECTED BY ARCHITECT

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
Sa Baranasa Sa	RECESSED FLUORESCENT LIGHT FIXTURE	5	MOTOR CONNECTION (D INDICATES FIRE/SMOKE DAMPER)
**************************************	SURFACE OR PENDANT MOUNT FLUORESCENT LIGHT FIXTURE	Announcement of the state of th	DISCONNECT SWITCH
Annual annual and a second and a second annual annu	WALL MOUNT HILD LIGHT FIXTURE	Total Control of the	FUSED DISCONNECT SWITCH
	RECESSED H.I.D. LIGHT FIXTURE		COMBINATION DISCONNECT / STARTER SWITCH
-	FLUORESCENT STRIP LIGHT	(S)	FIRE ALARM - SMOKE DETECTOR (D INDICATES DUCT DETECTOR)
}	FIXTURE WITH EMERGENCY BATTERY PACK	•	FIRE ALARM - HEAT/THERMAL DETECTOR
)	(BATTERY PACK SHALL BE "BODINE B50")	and the control of th	FIRE ALARM - PULL STATION - MOUNT AT +45"
X -1	WALL MOUNTED INCANDESCENT LIGHT FIXTURE	EK	FIRE ALARM - COMBINATION HORN/STROBE - MOUNTED AT +80"
\otimes	EXIT LIGHT FIXTURE	M	FIRE ALARM - COMBINATION MINI HORN/STROBE - MOUNTED AT +80"
\otimes	WALL MOUNTED EXIT LIGHT FIXTURE	•	DOOR HOLDER - MOUNTED IN DOOR FRAME BY DOOR SUPPLIER
	EMERGENCY BATTERY PACK WITH TWIN HEAD FLOOD	R-4	REMOTE INDICATOR LAMP FOR DUCT DETECTOR, MOUNT AT +96"
	POLE LIGHT FIXTURE	□ O _{A P}	BELL (A INDICATES ALARM)(P INDICATES PROGRAM)
C and a section of the section of th	CONTROL CONTACTOR ENCLOSURE	\ \tilde{	CLOCK
\$	SINGLE POLE SWITCH		COMBINATION CLOCK / SPEAKER
\$ _K	SINGLE POLE KEYED SWITCH	1100	INTERCOM HANDSET
\$ p	SWITCH WITH PILOT LIGHT	S	SPEAKER
\$ _D	DIMMING SWITCH SINGLE POLE, 600 WATT	W	SOUND SYSTEM MICROPHONE JACK
\$ ₃	THPEE WAY SWITCH	SXI	SPEAKER HORN
1 \$ \$ b	MULL - GANGED SWILLOWER WASH LETTERS INDICATES SWILLDHING		VOLUME CONTROL
\$ _M	MOTOR RATED SWITCH		REMOTE HOUSE LIGHT CONTROL STATION
	DUPLEX RECEPTABLE IF INDICATES EXISTING TO BE REPLACED.	Δ.	STAGE LIGHTING CONTROL STATION
G	OUPLEX RECEPTABLE (G INDICATES GROUND FAULT CIRCUIT INTERRUPTER AT +45")	8	CONSTRUCTION NOTES
THE PROPERTY OF THE PROPERTY O	COMPUTER RECEPTACLE WITH SOLATED GROUND DUPLEX OF FOURPLEX AS INDICATED	W	W INDICATES WEATHERPROOF FOR ALL DEVICES
- Control of the Cont	PROVIDE ORANGE COLORED RECEPTACLES	E	CONDUIT STUB OUT
w commence of the contract of	FLOOR MOUNTED DUPLEX RECEPTACLE		HOMERUN TO PANEL & CIRCUIT NUMBERS AS INDICATED ON PLANS
+	FOURPLEX RECEPTACLE	The state of the s	RACEWAY CONCEALED IN WALL OR CEILING
	COMBINATION FOURPLEX RECEPTABLE (WITH ISOLATED GROUND), TELEPHONE & DATA FLOOR BOX	-	RACEWAY CONCEALED UNDERGROUND OR UNDER FLOOR, P = PRIMARY, S = SECONDARY
	SINGLE RECEPTACLE	#	MARKS INDICATE NUMBER OF #12 AWG UNLESS NOTED OTHERWISE
	FOURPLEX DROP CORD WITH KELLUM GRIFF		GROUNDING CONDUCTOR
	SPECIAL PURPOSE OUTLET - 208 VOLT, 1 PHASE AMPERES AS INDICATED	mm	FLEXIBLE CONDUIT
(A)	SPECIAL PURPOSE OUTLET + 208 VOLT, 3 PHASE, AMPERES AS INDICATED	i teasalu Teasalu Teasalu	GROUNDING ELECTRODE
	TELEPHONE RECEPTABLE - 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE		JUNCTION BOX — SIZE PER CODE (F INDICATES FIRE ALARM SYSTEM)
	COMMUNICATION / DATA JUNCTION BOX (4/S BOX WITH 2 GANG PLASTIC PLATE) 3/4°C. TO ACCESSIBLE CEILING SPACE.	(A)	AUXILIARY JACK
A V	AUDIO VISUAL JUNCTION BOX	(90)	PHOTOCELL CONTROL
Parameter State St	TELEVISION OUTLET MOUNT @ +18". 3/4" C.O. TO ACCESSIBLE CEILING SPACE		TIME CLOCK CONTROL
eiii	277 480 VOLT PANELBOARD	DS	INTERCOM DESKSET
***************************************	120 208V PANELBOARD	AD .	INTERCOM ADMIN. DESKSET
Constitution of the Consti	TRANSFORMER	SP I	SURGE PROTECTOR
VFD	INTERCOM VACUUM FLUORESCENT DISPLAY (6 GANG BOX, 3:4"C TC LC RACK.)	Φ Φ	SURFACE METAL RACEWAY

	LIGHTIN	G FIXTUR	KE S(CHEDULE
SYMBOL	DESCRIPTION	LAMPS	VOLTS WATES	MOUNTING & REMARKS
WH-1	MOLDCAST #MDL-1	100W HPS	277V	WALL MOUNTED (RECESSED IN BRICK) H.P.F. BALLAST
			BERTHANNAN AND THE STATE OF THE	
EM-1	DUAL LITE #ML -4F		277V	WALL MOUNTED WITH WIRE GUARD.
	Distance of the second of the			THAT WOUNTED
EX-1	DUAL LITE #CWGNB - LM2E	 * * *** *****************************	277/	WALL MOUNTED ELECTROLUMINESCENT LAMP
EX-2	DUAL LITE #CSGNB-I M2E		277V	CEILING OR END MOUNTED SINGLE FACE ELECTROLUMINESCENT LAMP
EX-3	DUAL LITE #CWGNB-LM2E		277V	WALL MOUNTED WITH WIRE GUARD ELECTROLUMINESCENT LAMP
EX-4	DUAL LITE #CDGNBI M2E	The second of th	277,	CEILING OR END MOUNTED DOUBLE FACI

SYMBOL	DESCRIPTION	LAMPS		MOUNTING & REMARKS
~	GARDCO FORM 10	400W	277V	US POLE SNTS 305-11
Age and the second	EH19-1-FM-277-400HPS	whiPS		BASE MOUNTED SEE DETAIL
1-2	GARDCO FORM 10	400W	277V	US POLE SNTS 305-11
\$ 1 ····· L.	EH19-1-3-277-400HPS	HPS	000000000000000000000000000000000000000	BASE MOUNTED SEE DETAIL
1-3	GARDCO FORM 10	400W	2771	US POLE SNTS 305-11
	EH19-2-3-277-400HPS	HPS	***************************************	BASE MOUNTED SEE DETAIL
4	GARDCO FORM 10	400W	277\	US POLE SNTS 305-11
	EH19-1-1-277-400HPS	HPS	***************************************	BASE MOUNTED SEE DETAIL
			open open open open open open open open	
		A	***************************************	
			NANTHAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	
		11 11 11 11 11 11 11 11 11 11 11 11 11	Octobro states to	



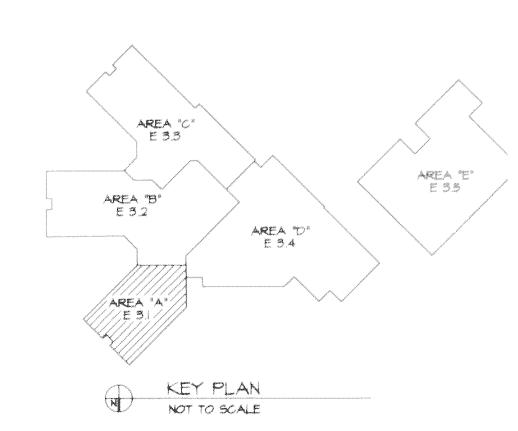


CALLICATING
SPINING
SP

MESTSIDE MIDDLE SO OLYMPIA SOHOOL DIS

COMM. REV. DRAWN D.M.N DATE 5/7/93



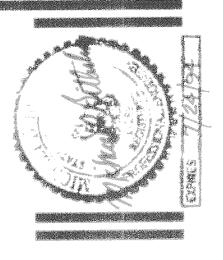


FLOOR PLAN - AREA 'A' - LIGHTING

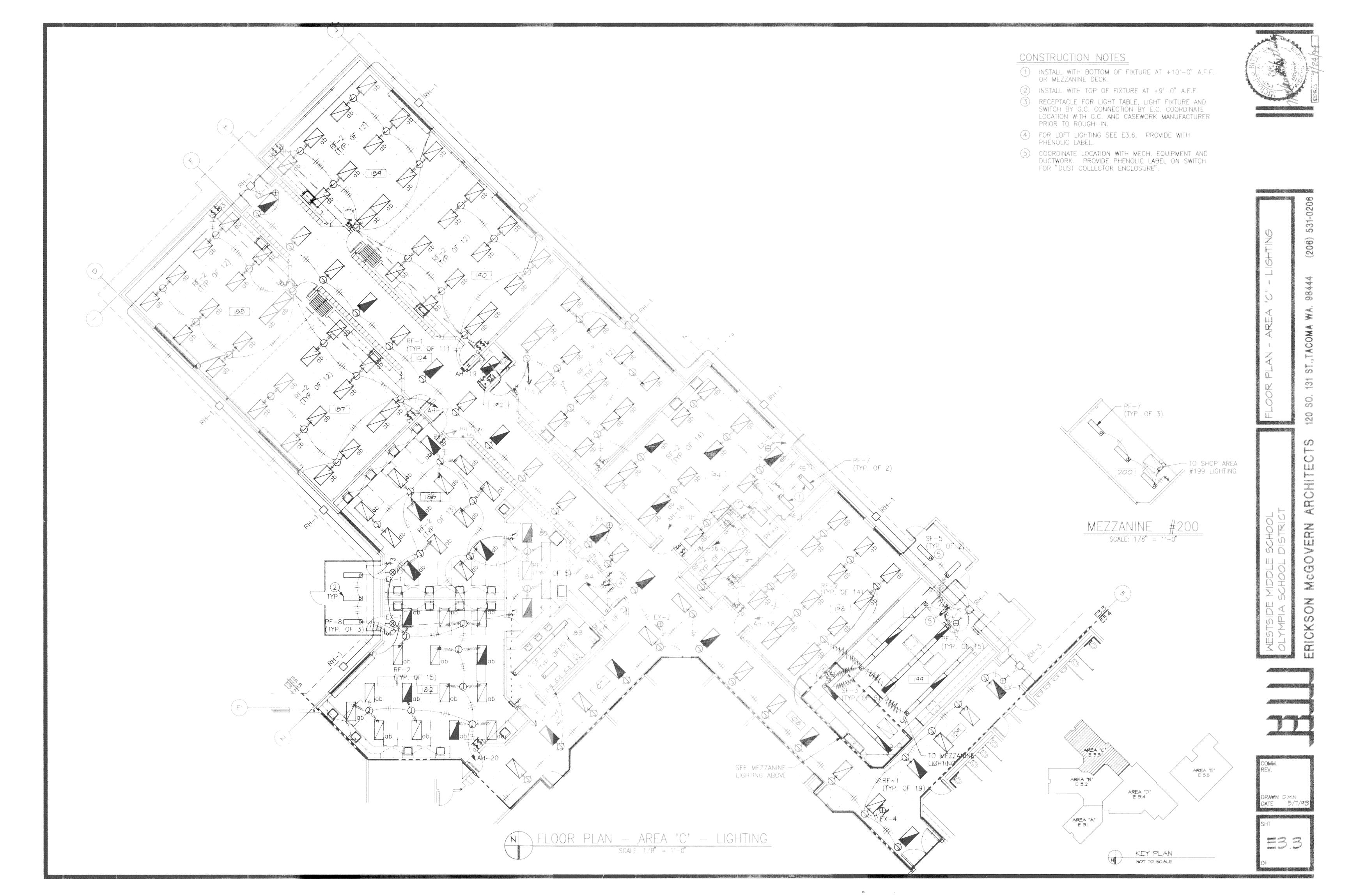
SCALE: 1/8" = 1'-0"

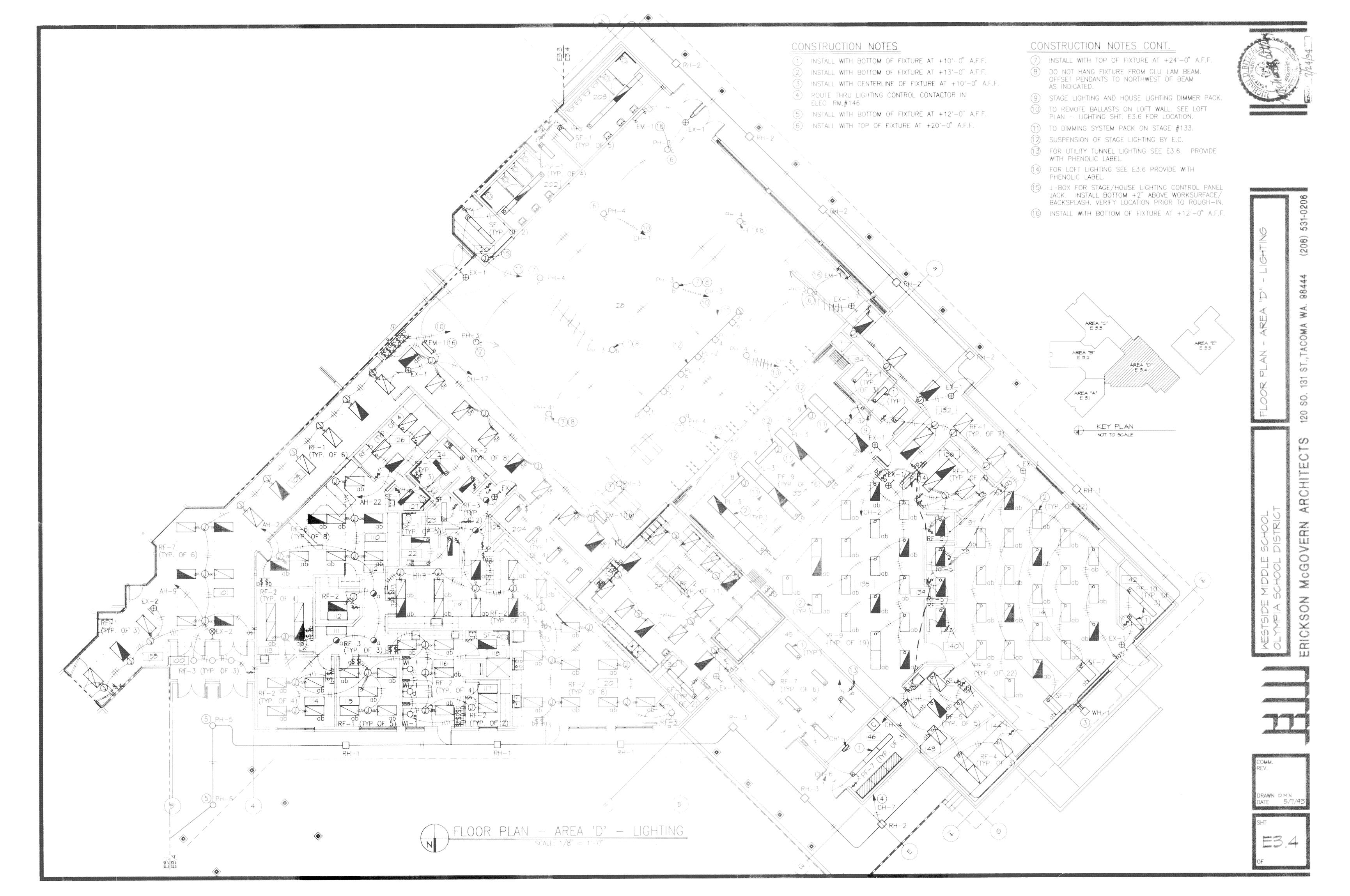
CONSTRUCTION NOTES

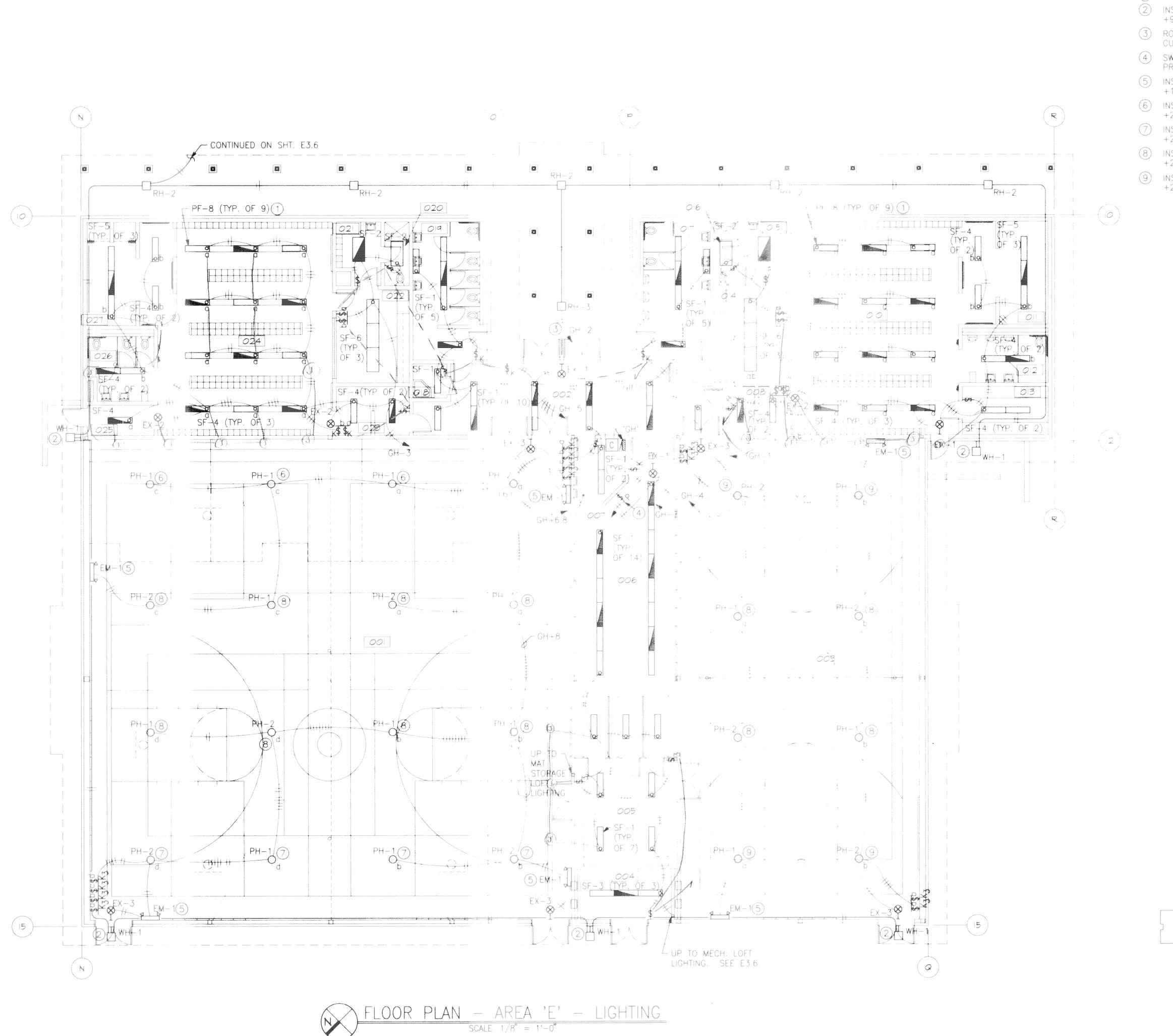
- 1) INSTALL WITH TOP OF FIXTURE AT +10'-0" A.F.F.
- 2) INSTALL WITH BOTTOM OF FIXTURE AT AT +15'-0" A.F.F.
- 3 DO NOT HANG FIXTURE FROM GW-LAM BEAM. OFFSET PENDANTS TO SOUTHWEST SIDE AS INDICATED.











CONSTRUCTION NOTES

- 1) INSTALL WITH TOP OF FIXTURE AT +10'-0" A.F.F.
- 2) INSTALL WITH CENTERLINE OF FIXTURE AT +9'-6" A.F.F.
- 3) ROUTE THRU LIGHTING CONTROL CONTACTOR IN CUST. RM. #007.
- 4 SWITCH FOR MECH. LOFT LIGHTING. SEE E3.6 PROVIDE WITH PHENOLIC LABEL.
- 5) INSTALL WITH BOTTOM OF FIXTURE AT +12'-0" A.F.F.
- 6 INSTALL WITH BOTTOM OF FIXTURE AT +21'-0" A.F.F.
- 7) INSTALL WITH BOTTOM OF FIXTURE AT +22'-0" A.F.F.

AREA "P"

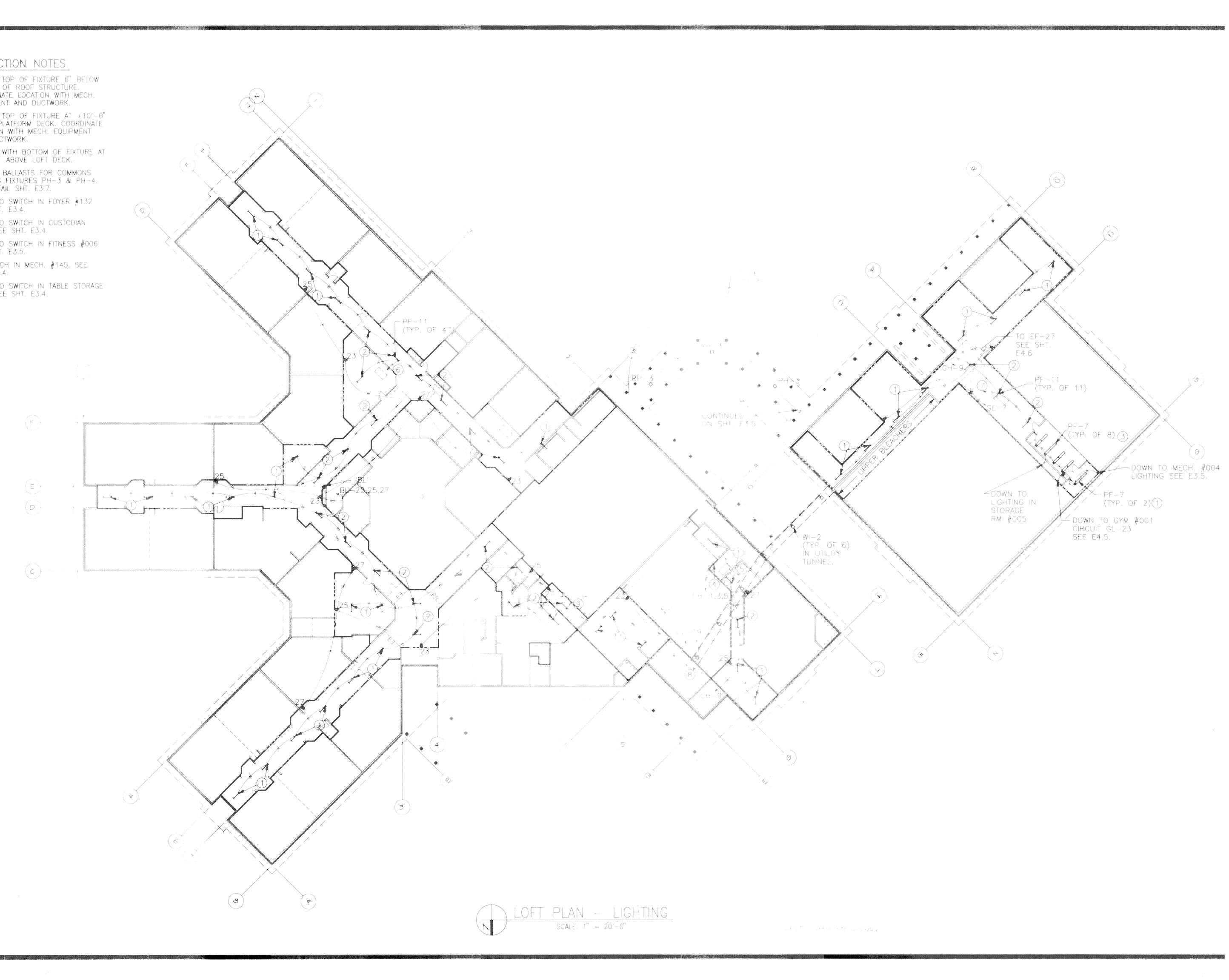
AREA "D" E 3.4

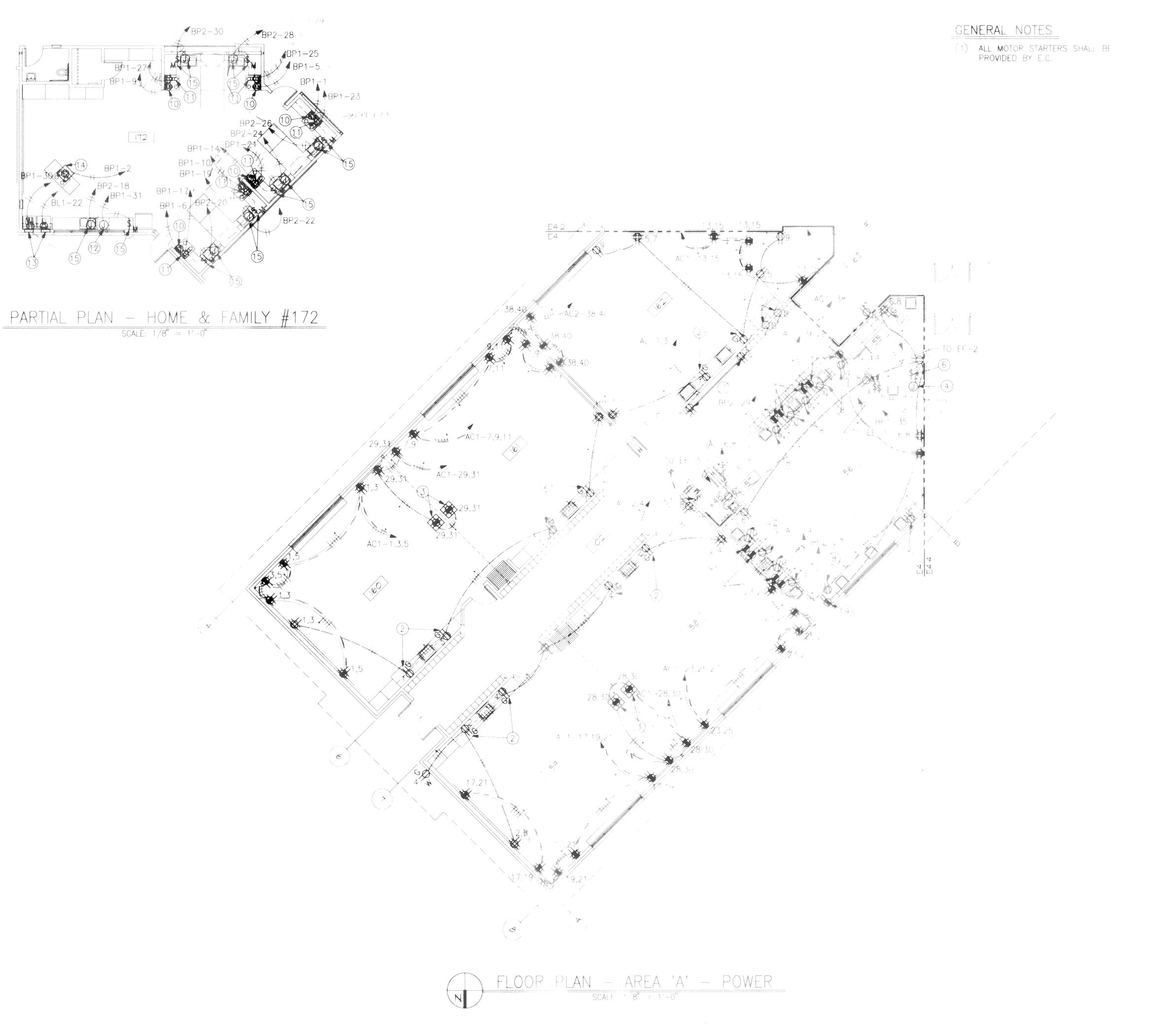
- 8) INSTALL WITH BOTTOM OF FIXTURE AT +24'-0" A.F.F.
- 9 INSTALL WITH BOTTOM OF FIXTURE AT +23'-0" A.F.F.

EXPORTS C



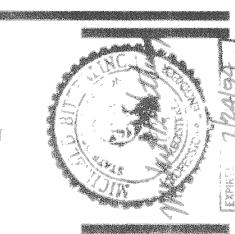
SHT





CONSTRUCTION NOTES

- SEE FIRE/SMOKE DAMPER CONTROL DIAGRAM SHEET E4.11 (CONNECT TO CIRCUIT BL-4)
- 2) INSTALL WITH BOTTOM +2" ABOVE WORKSURFACE/ BACKSPLASH.
- 3 SEE SHT. E5.1 FOR LOCATION OF MULTI-SERVICE FLOOR BOXES.
- FUME HOOD BLOWER & LIGHT, BY OTHERS. SWITCH & CONNECTIONS BY E.C.
- 5) SWITCH FOR EF-3 BY E.C. INSTALL WITH LIGHTING SWITCH IN 2-GANG BOX.
- 6 SWITCH FOR EF-1 & 2 BY M.C. INSTALLATION AND CONNECTION BY E.C.
- 7 IN DISPLAY CASE, COORDINATE LOCATION & HEIGHT WITH G.C. PRIOR TO ROUGH-IN.
- 8 HORIZONTAL IN FACE OF CASEWORK, COORDINATE LOCATION WITH G.C. PRIOR TO ROUGH-IN.
- 9 INSTALL IN CASEWORK WITH BOTTOM +2" ABOVE LOWER SHELF. COORDINATE LOCATION G.C. AND CASEWORK MANUFACTURER PRIOR TO ROUGH-IN
- (10) RANGE/OVEN INSTALL SPECIAL RECEPTACLE (0 +36" A.F.F.
- 11 RANGEHOOD/MICROWAVE, INSTALL RECEPTACLE IN CABINET BACK AT +72". COORDINATE LOCATION WITH G.C. PRIOR TO ROUGH-IN.
- DISHWASHER
- GUY GRAY FITTING & RECEPTACLE BY M.C. CONNECTION BY E.C.
- 14) RANGE RECEPTACLE IN FLOOR BOX.
- 15 DISPOSAL, SWITCH & CONNECTIONS BY E.C.



STSIDE MIDDLE SC YMPIA SCHOOL DIS



COMM.
REV.

DRAWN DMN
DATE 5/7/93

A**KE**A "E" E 45

SHT

KEY PLAN

AREA "B"

NOTES

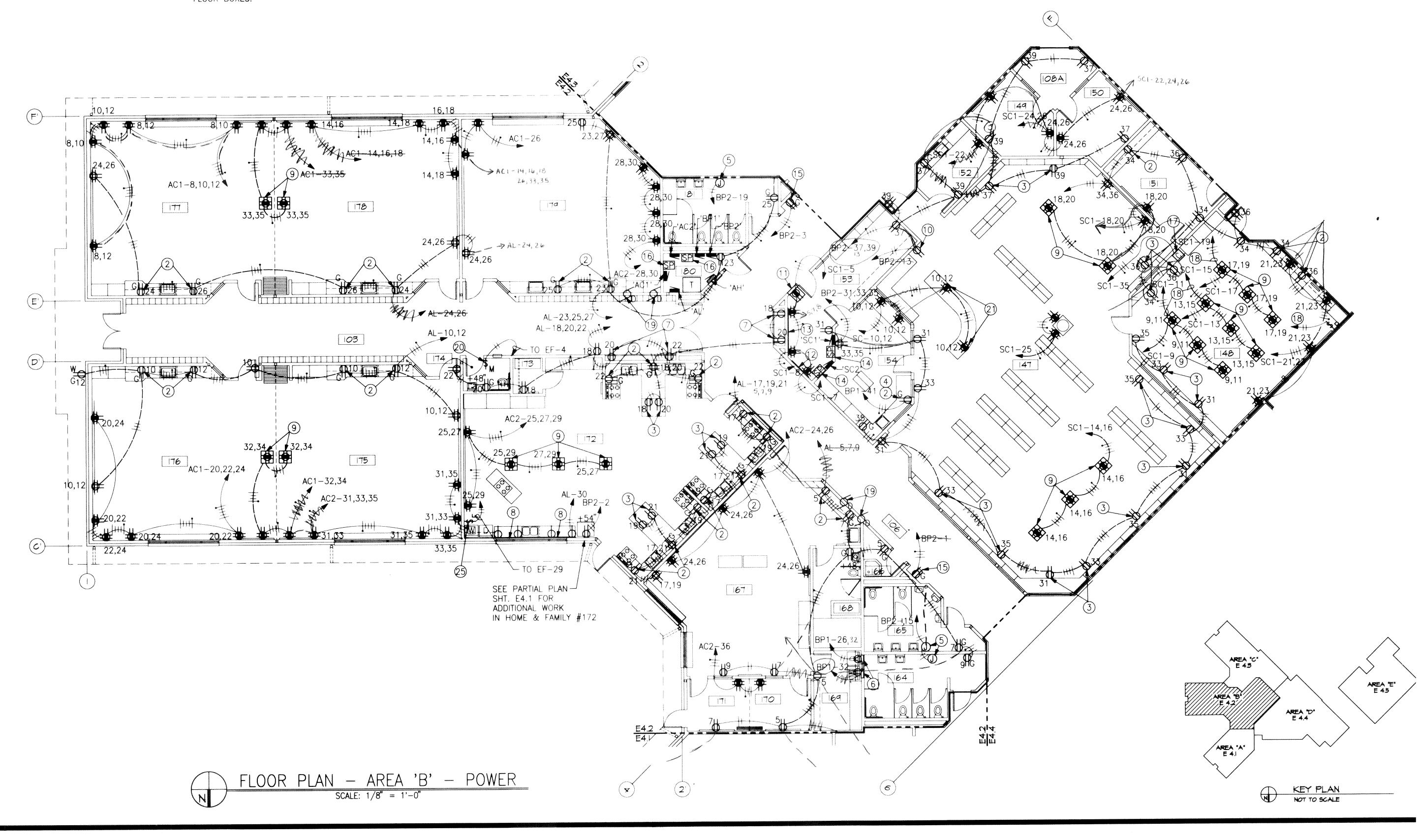
OTOR STARTERS SHALL BE DED BY E.C.

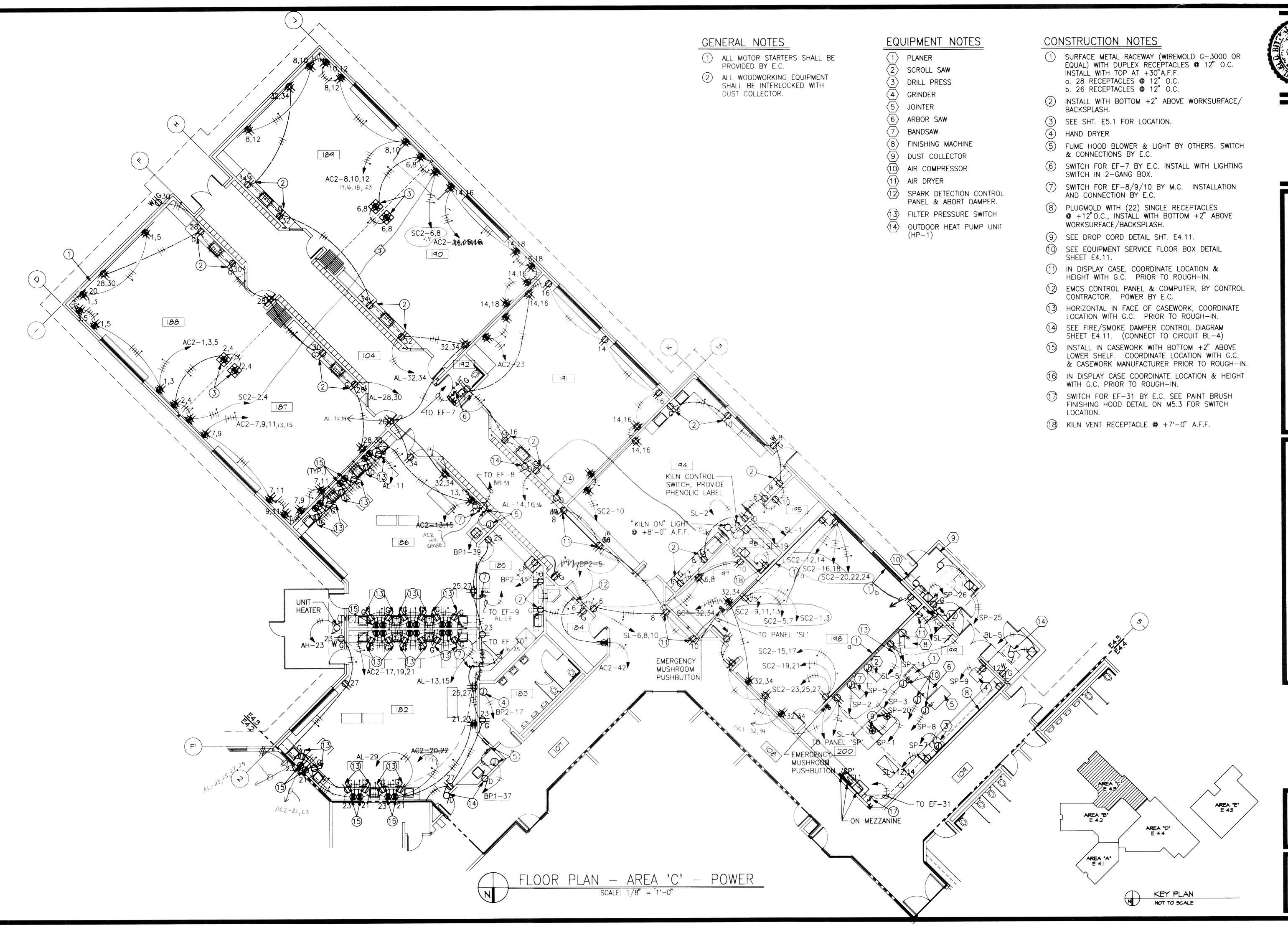
CONSTRUCTION NOTES

- 1) SWITCH FOR EF-29 BY M.C., INSTALLATION AND CONNECTION BY E.C.
- 2 INSTALL WITH BOTTOM AT +2" ABOVE WORKSPACE /BACKSPLASH.
- (3) HORIZONAL IN TOE SPACE
- 4 LAMINATOR
- (5) HANDDRYER
- GUY GRAY FITTING & RECEPTACLES BY M.C. CONNECTION BY E.C.
- 7) IN DISPLAY CASE, COORDINATE LOCATION & HEIGHT WITH G.C. PRIOR TO ROUGH-IN.
- 8 PLUGMOLD WITH (10) SINGLE RECEPTACLES @ 12"
 O.C., (6) WEST OF SINK & (4) EAST OF SINK.
 INSTALL ON WALL BETWEEN COUNTER TOP & BOTTOM
 OF WINDOW SILL. CONNECT TO GFI CIRCUIT BREAKER.
- 9 SEE SHT. E5.2 FOR LOCATION OF MULTI-SERVICE FLOOR BOXES.

- (10) COPY MACHINE
- (11) TV HEADEND.
- (12) TELEPHONE TERMINAL BOARD.
- (3) COMPUTER DATA DISTRIBUTION BACKBOARD.
- SURGE SUPPRESSOR (RECESSED) ADJACENT TO PANEL ('SC'). PANEL SHALL HAVE ISOLATED GROUND BARS.
- WATERCOOLER, 1/5 H.P., 120V-10. E.C. SHALL INSTALL RECEPTACLE AT HEIGHT REQUIRED BY MANUFACTURER.
- (16) SURGE SUPPRESSOR (SURFACE MOUNTED)
 ADJACENT TO PANEL ('AC1'/'AC2'). PANELS
 SHALL HAVE ISOLATED GROUND BARS.
- RECESSED ENCLOSURE FOR COMPUTER CONTROL CONTACTORS. SEE DETAIL SHT. E4.12.
- (18) ROUTE THRU CONTROL CONTACTOR. SEE DETAIL SHT. E4.11.

- 9 SEE FIRE/SMOKE DAMPER CONTROL DIAGRAM SHEET E4.11. (CONNECT TO CIRCUIT BL-4)
- SWITCH FOR EF-4 BY E.C. INSTALL WITH LIGHTING SWITCH IN 2-GANG BOX.
- (21) INSTALL IN CASEWORK KNEESPACE AT +18" A.F.F. COORDINATE LOCATION WITH G.C. & CASEWORK MANUFACTURER PRIOR TO ROUGH—IN.







- POMER

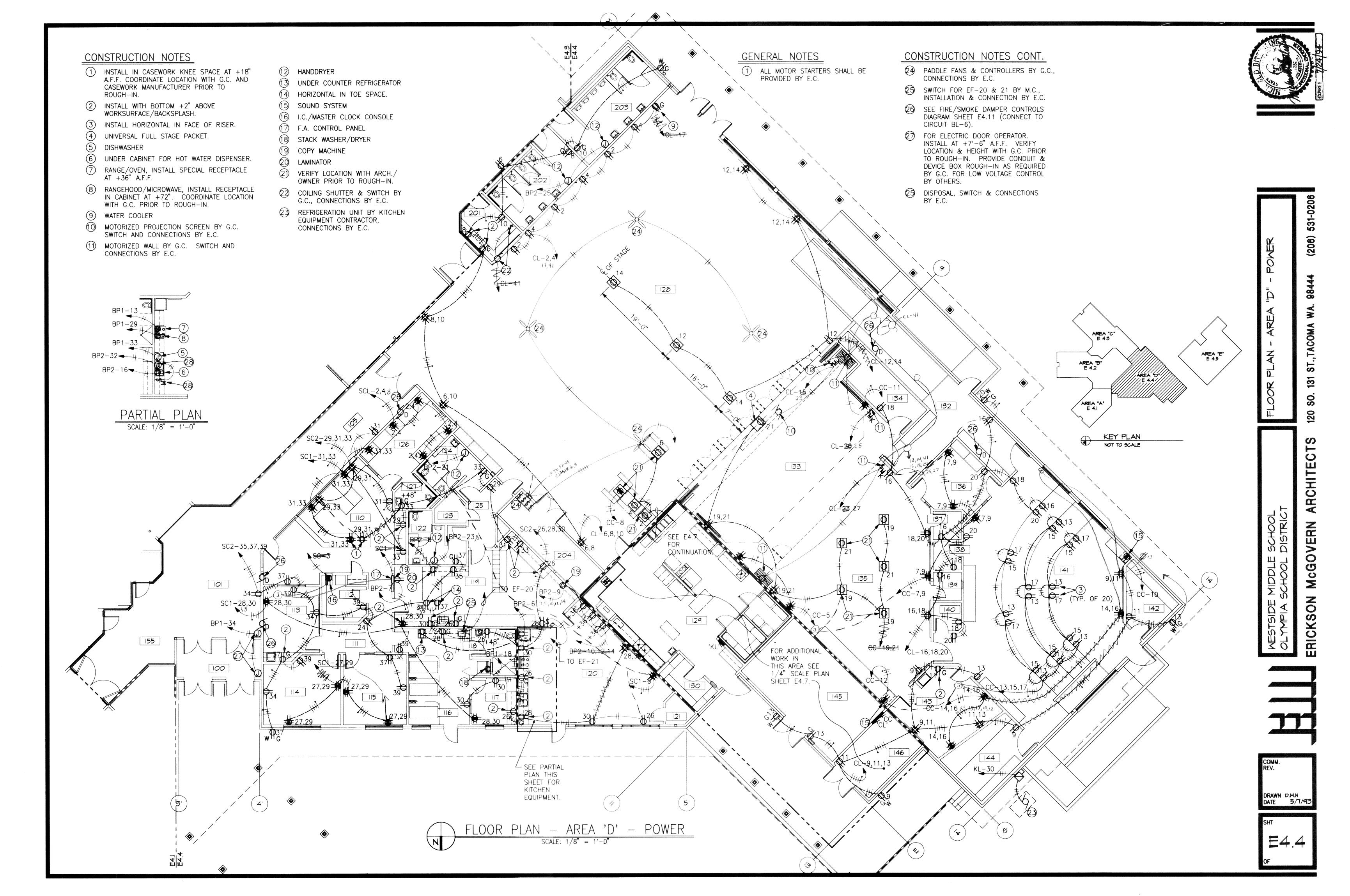
COM WA OBAAA

120 SO. 131 ST., TACON

ON MCGOVERN ARCHIT

COMM. REV. DRAWN D.M.N DATE 5/1/93

E4.3

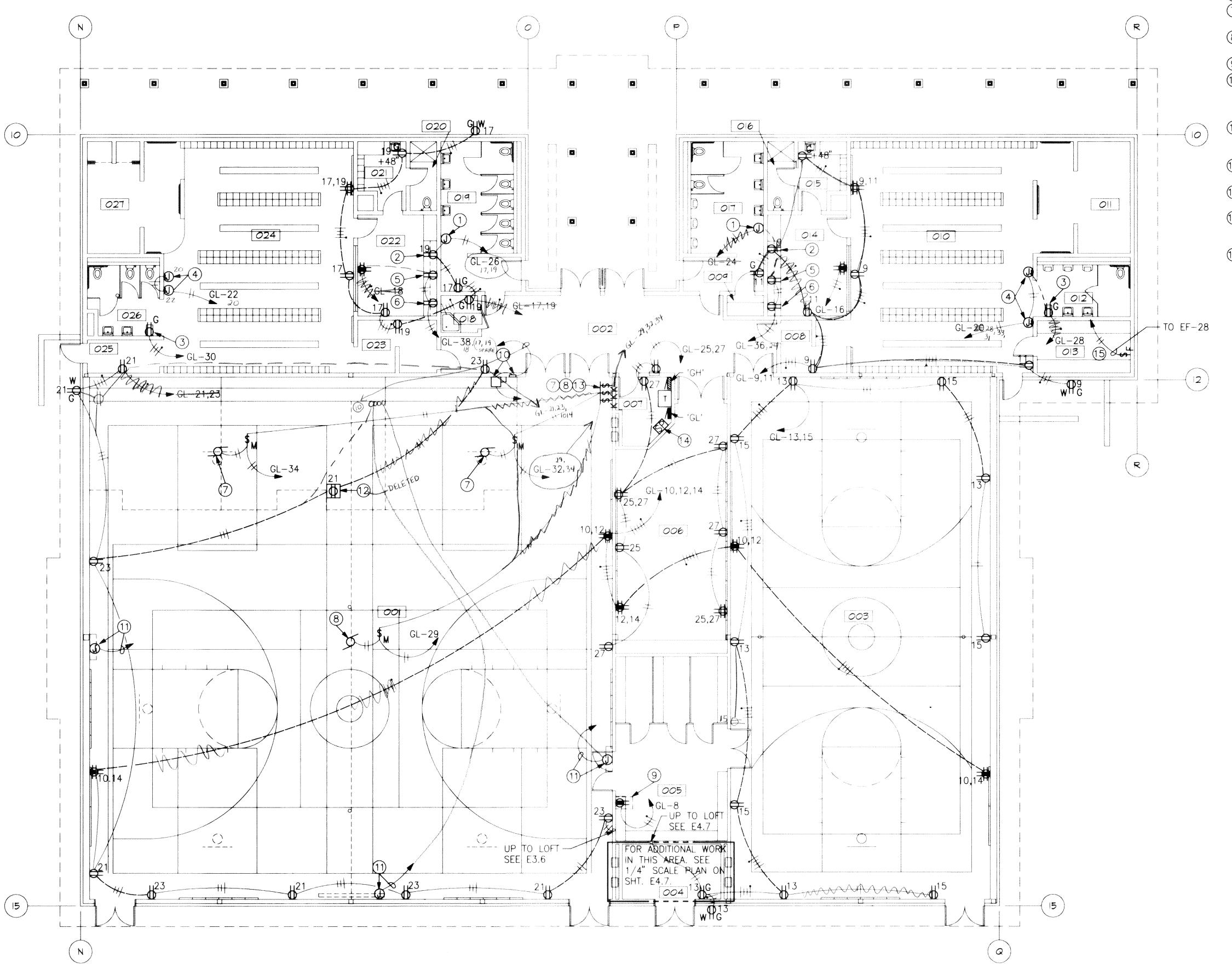


GENERAL NOTES

1) ALL MOTOR STARTERS SHALL BE PROVIDED BY E.C.

CONSTRUCTION NOTES

- (1) HANDDRYER
- 2 INSTALL WITH BOTTOM +2" ABOVE WORK SURFACE/ BACKSPLASH.
- 3) WATER COOLER
- 4 HAIR DRYER
- (5) UNDER COUNTER REFRIGERATOR
-) ICEMAKER
- MOTORIZED BACKBOARD & SWITCH BY G.C. CONNECTIONS BY E.C. VERIFY LOCATIONS PRIOR TO ROUGH—IN.
- 8) MOTORIZED CURTAIN & SWITCH BY G.C. CONNECTIONS BY E.C. VERIFY LOCATIONS PRIOR TO ROUGH-IN.
- (9) SOUND SYSTEM RACK
- 30AMP 208V-10 DISCONNECT SWITCH & 12"x12"x4"
 RECESSED J-BOX FOR BLEACHER MOTOR. PROVIDE
 3/4"C. TO SECOND LEVEL BLEACHERS, VERIFY LOCATIONS
 WITH G.C. PRIOR TO ROUGH-IN
- 11) ROUGH-IN FOR FUTURE SCOREBOARD & SHOOT CLOCKS PROVIDE CONDUIT TO PANEL 'GL'. VERIFY LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 12 FOR SCOREBOARD/TIMERS CONTROL PANEL. VERIFY LOCATION PRIOR TO ROUGH-IN.
 - PROVIDE PHENOLIC LABEL FOR EACH SWITCH INDICATING IT'S FUNCTION.
- SURGE SUPPRESSOR (SURFACE MOUNTED), ADJACENT TO PANEL ('GL'). PANEL SHALL HAVE ISOLATED GROUND BAR
- 5) SWITCH FOR EF-28 BY M.C. INSTALLATION AND CONNECTION BY E.C.



FLOOR PLAN - AREA 'E' - POWER

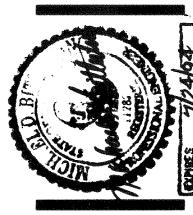
SCALE: 1/8" = 1'-0"

AREA "C"
E 4.5

AREA "D"
E 4.5

AREA "D"
E 4.4

KEY PLAN NOT TO SCALE



1 531-0206

W ANOAT TAVOL OF CO.

ERICKSON MCGOVERN ARCHITECT

DRAWN D.M.N.

E4.6

(3) RINSE BOOSTER, 45KW, 208V-30.

4 UTILITY DISTRIBUTION SYSTEM (BY KITCHEN CONTRACTOR)

(A) GRIDDLE, 24KW, 208V-3ø.

B FRYER (2), 14KW, 208V-3ø.

FRY DUMP STATION/FILTER, 8 AMPS, 120V-10.

 $\langle D \rangle$ CONVENTION OVENS, 30.3KW, 208V-3ø.

(E) HOT PLATE, 5.2KW, 208V-10.

F HOT CABINET, 1.2KW, 120V-10.

5 SERVING UNIT, 2.0 KW, 208V-1ø.

(6) SERVING UNIT, 6.0 KW, 208V-1ø,
(7) FIRE SUPPRESSION CONTROL CABINET

(8) WALK-IN COOLER.

9 WALK-IN FREEZER.

SEE SHEET —/ E4.4 FOR CONTINUATION MECHANICAL EQUIPMENT

FIRE PUMP CONTROLLER

2 JOCKEY PUMP CONTROLLER

✓3 FIRE PUMP, 15 H.P., 460V−3ø.
 ✓4 JOCKEY PUMP, 1 H.P., 460V−3ø.

⚠ HWT-2, 1/3 H.P., 120V-1ø (ON LOFT).

DRY FIRE SPRINKLER SYSTEM COMPRESSOR, 3 H.P., 460V-3Ø.

SKID MOUNTED HEATING PUMPING SYSTEM.

SKID MOUNTED HEATING PUMPING SY 73.3 AMPS, 460V-30.

★ HWT−1, 3/4 H.P., 120V−1ø.

-EF-16 ON ROOF

DOMESTIC WATER BOOSTER SYSTEM, 7 1/2 H.P., 15 H.P., 460V-3Ø.

CONSTRUCTION NOTES

1 HOOD LIGHTING & EXHAUST FAN SWITCHES BY KITCHEN EQUIPMENT SUPPLIER CONNECTIONS BY E.C.

2 FOR HOOD LIGHTING, VERIFY LOCATION PRIOR TO ROUGH-IN.

INSTALL WITH BOTTOM +2" ABOVE WORKSURFACE/BACKSPLASH.
 3/4"C. TO PANEL 'KL' FOR SHUNT TRIP CIRCUIT

5 LIGHTING FIXTURE, SWITCH & BLOWER BY KITCHEN EQUIPMENT SUPPLIER, INSTALLATION AND CONNECTIONS BY E.C..

6 SWITCH AND RECEPTACLE BY E.C., INSTALL BELOW COIL.

7 TO REFRIGERATION UNIT SEE SHEET E4.4. VERIFY REQUIREMENTS PRIOR TO ROUGH-IN.

8 RECEPTACLES BY KITCHEN EQUIPMENT SUPPLIER CONNECTIONS BY E.C.

9 TO FIRE PUMP CONTROLLER.

10 TO JOCKEY PUMP CONTROLLER.

(1) CONTROL PANEL

BREAKERS.

12) SURGE SUPPRESSOR (SURFACE MOUNTED) ADJACENT TO PANEL ('CC'). PANEL SHALL HAVE ISOLATED GROUND BAR.

(13) IRRIGATION CONTROL PANEL BY OTHERS CONNECTION BY E.C.

(14) COILING SHUTTER AND SWITCH BY M.C. CONNECTION BY E.C.

(15) STUB-OUT (2) 1"C.O. W/PULL WIRE. SEE SITE PLAN ME1.1 FOR CONTINUATION.

GENERAL NOTES

DISTRIBUTION SWITCH BOARD

METER BASE & SOCKET BY E.C.

SPRINKLER EQUIPMENT TO GYM 004

PAIR COMPRESSOR DELETED

1 ALL MOTOR STARTERS SHALL BE PROVIDED BY E.C.



120 SO. 131 ST., TACOMA WA

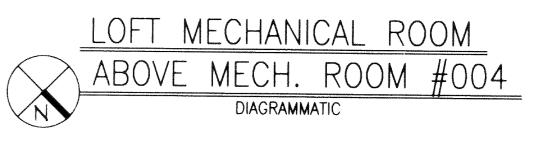
McGOVERN ARCHITECT

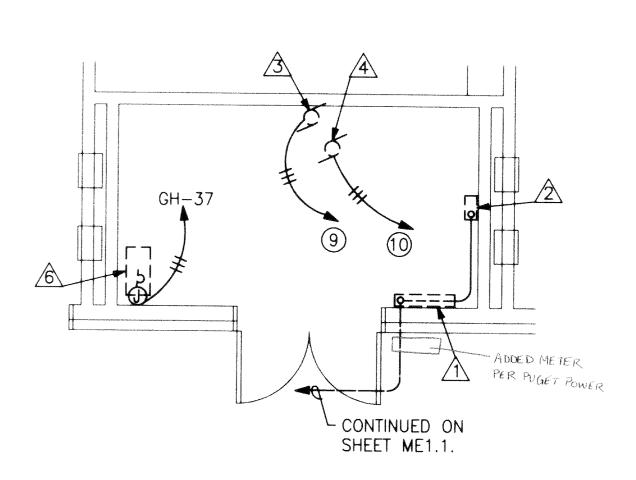
MESTSIDE MIDDLE SCHO OLYMPIA SCHOOL DISTR ERICKSON MCGOVERI

COMM. REV.

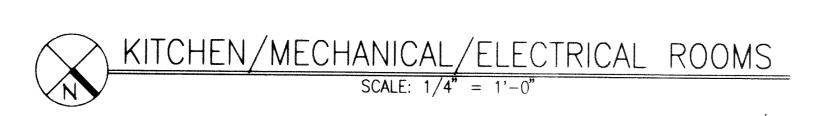
SHT

CIRCUIT GL-15 DOWNTO MECH. RM. #004
SEE E4.5.

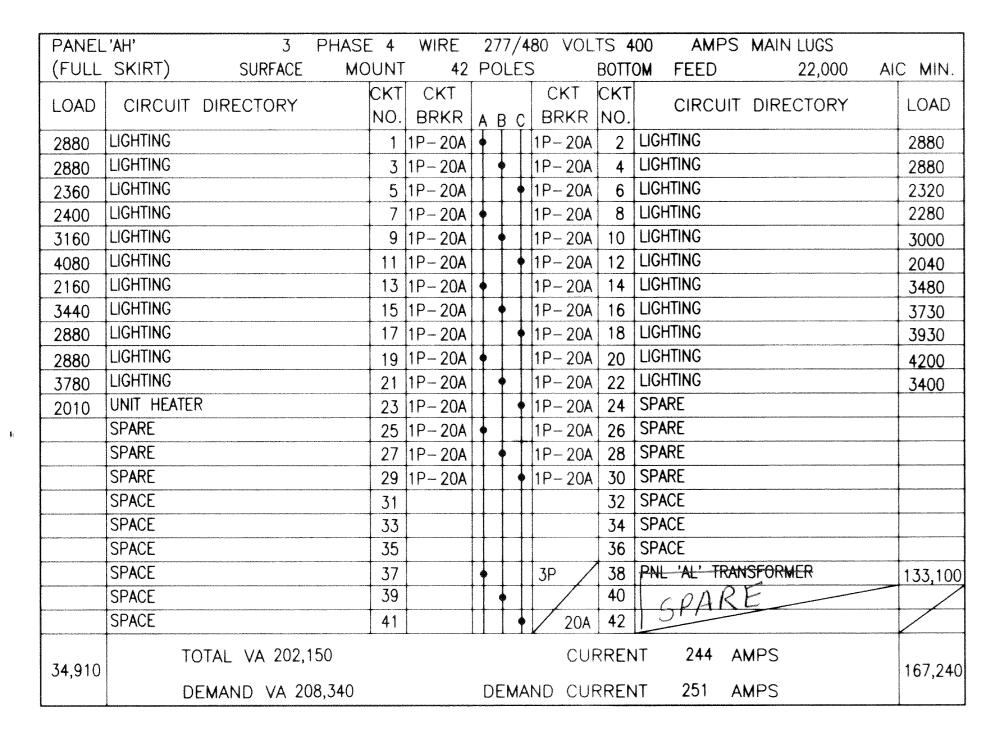




NOTE: SEE ELECTRICAL DISTRIBUTION DIAGRAM SHEET E 4.10, FOR COMPLETE FIRE PUMP SERVICE.







PANEL	'AL'	3	PHASE 4	WIRE	12	20/	/2(08 VOL	TS 6	000 AMPS	MAIN BREAKER	
ł	SKIRT)		MOUNT		PC				BOTT		10,000	AIC MIN.
LOAD	CIRCUIT DI		CKT NO.	CKT BRKR	ΑI	В (Ç		CKT NO.	CIRCUIT	DIRECTORY	LOAD
1080	RECEPTACLES	***************************************	1	1P-20A	•	<u> </u>		1P-20A	2	RECEPTACLES		900
1080	RECEPTACLES			1P-20A		•		1P-20A	4	RECEPTACLES		900
			5	1P-20A		Ī		1P-20A	6	RECEPTACLES		900
1080	RECEPTACLES	oncernation and formation of formation about the first t	7	1P-20A	•			1P-20A	8	RECEPTACLES		900
	RECEPTACLES		9	1P-20A	Ī,	•		1P-20A	10	RECEPTACLES		900
1080	RECEPTACLES		11	1P-20A		1		1P-20A	12	RECEPTACLES		900
1080	RECEPTACLES	0.40.4000000000000000000000000000000000	13	1P-20A	•			1P-20A	14	RECEPTACLES		1080
1080	RECEPTACLES	kat 1990-ben ben ben ben de	15	1P-20A	1	•		1P-20A	16	RECEPTACLES		1080
	RECEPTACLES		17	1P-20A		•		1P-20A		i .		900
900	RECEPTACLES		19	1P-20A	•			1P-20A	20	RECEPTACLES		900
	RECEPTACLES		21	1P-20A		P		1P-20A		1		720
1080	RECEPTACLES		23	1P-20A			•	1P-20A	24	RECEPTACLES		900
	RECEPTACLES		25	1P-20A	•			1P-20A	26	RECEPTACLES		900
	RECEPTACLES		27	1P-20A				1P-20A	28	RECEPTACLES		900
1080	LIGHT TABLE		29	1P-20A				1P-20A	30	RECEPTACLES		900
	SPARE		31	1P-20A	•			1P-20A	32	RECEPTACLES		1080
	SPARE		33	1P-20A				1P-20A	34	RECEPTACLES		1080
	SPARE		35	1P-20A		•		1P-20A	36	LIGHT TABLE		160
50,400	SUBFEED PANE	L 'AC1'	37	3P /	•			3P /	38	SUBFEED PAN	EL 'AC2'	51,300
			39			•			40			
			41	175A				/200A	42			
65,800	TOTA	L VA 133,	100					CUI	RREI	NT 370 A	M PS	67,300
	1	AND VA 12	22,520	and the control of th	DI	EM	ΙΑΙ	ND CUI	RREN	NT 340 A	MPS	, , , , , , ,

PANEL	'AC1'	3	PHASE 4	WIRE	12	0/2	208 \	VOL	TS 2	25 AMPS MAIN LUGS		
		SURFACE	MOUNT	42	PO	LE	S		BOTT	DM FEED 10,000	AlC	MIN
LOAD	CIRCUIT	DIRECTORY	CKT	CKT					CKT	CIRCUIT DIRECTORY	MARTINITIES ON A SANCE OF THE S	LOAD
LOAD	CINCOIT	DINECTOR	NO.	BRKR	AB	C	BR	KR	NO.			
1600	COMPUTERS		1	1P-20A	•		1P-	20A	2	SURGE SUPPRESSOR		
1200	COMPUTERS		3	1P-20A	•		1P-	20A	4	SURGE SUPPRESSOR		
1200	COMPUTERS		5	1P-20A		•	1P-	20A	6	SURGE SUPPRESSOR		
1600	COMPUTERS		7	1P-20A	•		1P-	20A	8	COMPUTERS		1600
1200	COMPUTERS		9	1P-20A	Ì	•	1P-	20A	10	COMPUTERS		1200
1200	COMPUTERS		11	1P-20A		•	1P-	20A	12	COMPUTERS		1200
1600	COMPUTERS		13	1P-20A			1P-	20A	14	COMPUTERS		1600
1600	COMPUTERS		15	1P-20A	•		1P-	20A	16	COMPUTERS		1200
1600	COMPUTERS		17	1P-20A		•	1P-	20A	18	COMPUTERS		1200
1200	COMPUTERS		19	1P-20A	•		1P-	20A	20	COMPUTERS		1600
1200	COMPUTERS		21	1P-20A		•	1P-	20A	22	COMPUTERS		1200
1600	COMPUTERS		23	1P-20A		•	1P-	20A	24	COMPUTERS		1200
1200	COMPUTERS		25	1P-20A	•		1P-	20A	26	COMPUTERS		1600
1200	COMPUTERS		27	1P-20A	•	•	1P-	20A	28	COMPUTERS		1600
1600	COMPUTERS		29	1P-20A		•	1P-	20A	30	COMPUTERS		1600
1600	COMPUTERS		31	1P-20A	•	l	1P-	20A	32	COMPUTERS		1600
1600	EMCS COMP	UTER	33	1P-20A	•		1P-	20A	34	COMPUTERS		1600
1600	COMPUTER		35	1P-20A		•	1P-	20A	36	COMPUTERS		1600
	SPARE		37	1P-20A	•		1P-	20A	38	COMPUTERS		1600
	SPARE		39	1P-20A		•	1P-	20A	40	COMPUTERS		1600
	SPARE			1P-20A		•	1P-	20A	42	SPARE		
25,600	TC	OTAL VA 50,40	00					CUF	REN	IT 140 AMPS		24,800
,	DI	EMAND VA 50	,400		DE	MA	AND	CUF	RREN	IT 140 AMPS		

PANEL	' Δ C2'	3	PHASE 4	WIRE	12	0/2	208 VOL	TS 2	25 AMPS MAIN LUGS	
	SKIRT)	SURFACE	MOUNT		PO	,		BOTT		AIC MIN.
			CKT				CKT	CKT		
LOAD	CIRCUIT	DIRECTORY	NO.	BRKR	A B	С	-		CIRCUIT DIRECTORY	LOAD
1600	COMPUTERS		1	1P-20A	•	- SACONO	1P-20A	 	SURGE SUPPRESSOR	
	COMPUTERS			1P-20A	1	-	1P-20A	+	SURGE SUPPRESSOR	**************************************
	COMPUTERS			1P-20A		•	1P-20A	-	SURGE SUPPRESSOR	***************************************
	COMPUTERS		7	1P-20A	•		1P-20A	8	COMPUTERS	1600
1200	COMPUTERS		9	1P-20A	•	***************************************	1P-20A	10	COMPUTERS	1200
1200	COMPUTERS		11	1P-20A		•	1P-20A	12	COMPUTERS	1200
1600	COMPUTERS		13	1P-20A	•	The state of the s	1P-20A	14	COMPUTERS	1600
1600	COMPUTERS		15	1P-20A	•		1P-20A	16	COMPUTERS	1200
1600	COMPUTERS		17	1P-20A		•	1P-20A	18	COMPUTERS	1200
1600	COMPUTERS		19	1P-20A	•	***************************************	1P-20A	20	COMPUTERS	1600
1600	COMPUTERS		21	1P-20A	•	***************************************	1P-20A	22	COMPUTERS	1600
1600	COMPUTERS		23	1P-20A		•	1P-20A	24	COMPUTERS	1600
1600	COMPUTERS		25	1P-20A			1P-20A	26	COMPUTERS	1600
1200	COMPUTERS		27	1P-20A	•		1P-20A	28	COMPUTERS	1600
1200	COMPUTERS		29	1P-20A		•	1P-20A	30	COMPUTERS	1600
1600	COMPUTERS		31	1P-20A	•	and the same of th	1P-20A	32	COMPUTERS	1600
1200	COMPUTERS		33	1P-20A	•	A A TOWN	1P-20A	34	COMPUTERS	1600
1200	COMPUTERS		35	1P-20A			1P-20A	36	COMPUTERS	1600
	SPARE		37	1P-20A	•	TANGE CONTRACTOR	1P-20A	38	COMPUTERS	1200
	SPARE		39	1P-20A	•		1P-20A	í	COMPUTERS	1200
	SPARE		41	1P-20A		•	1P-20A	42	EMCS COMPUTER/CONTROL	900
25,600	TC)TAL VA 51,30	0				CU	RREN	NT 143 AMPS	25,700
	D	EMAND VA 51	,300		DE	MA	ND CU	RREN	NT 143 AMPS	***************************************

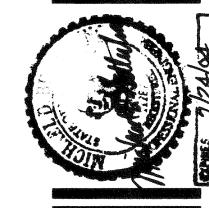
PANEL	'BH' 3 P	HASE 4	WIRE	277	/4	80 VOI	TS 4	100 AMPS MAIN LUGS	
		MOUNT		POL	′		BOTT		AIC MIN.
		CKT					CKT		
LOAD	CIRCUIT DIRECTORY	NO.		ΑВ	С	BRKR	1	THE THE TOPY	LOAD
1880	FC-1	Mecono.	1P-20A	•	-	1P-20A	†		1880
1880	FC-2	3	1P-20A	•		1P-20A	4	FC-18 FC-39	1880
1880	FC-3	5	1P-20A		•	1P-20A	6	FC-19	1360
1880	FC-4	7	1P-20A	•		1P-20A	8	FC-20	1880
1880	FC-5	9	1P-20A	•		1P-20A	10	FC-21	1880
1880	FC-6	4 4	1P-20A		•	1P-20A	12	FC-22	1880
1880	FC-7	13	1P-20A	•		1P-20A	14	FC-23	1880
1880	FC-8 FC-16-13	15	1P-20A	•		1P-20A	16	FC-24	1880
1880	FC-9 FC-15	17	1P-20A		•	1P-20A	18	FC-25	1880
1880	FC-10 fc-8	19	1P-20A	•		1P-20A	20	FC-26	1880
1880	FC-11 FC-9	21	1P-20A	•		1P-20A	22	FC-27	1880
1880	FC-12 FC-10	23	1P-20A	and the second	•	1P-20A	24	FC-29	1880
2190	FC-13 FC-11	25	1P-20A	•		1P-20A	26	FC-30	1360
1880	FC-14 FC-12	27	1P-20A	•		1P-20A	28	FC-31	1880
1880	FC-15 FC-13	29	1P-20A	and the second	•	1P-20A	+	FC-38 FC-18	1360
1880	FC-16A	31	1P-20A	•		1P-20A	32		1360
1880	EC=16B FC-14	33	1P-20A	•	-	1P-20A		FC-40	1000
	SPARE FC-28	35	1P-20A	2000000	•	1P-20A	36		1360
98,660	PNL 'BP1' TRANSFORMER	37	3P /	•		3P /	38	PNL 'BL' TRANSFORMER	67,440
		39		•			40		
		41	/ 150A	***************************************	•	/ 100A	42		
130,930	TOTAL VA 228,730)				CUI	RREI	NT 276 AMPS	97,800
-	DEMAND VA 190,	190		DE	ΜA	ND CU	RREN	NT 229 AMPS	3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9

PANEL				4	20/	20	08 VOL	TS 2	25 AMPS MAIN BREAKER	nn van de seelen de stade in de stade de seelen de
(LOWER	SKIRT ONLY)SURFACE MO	DUNT	30	Р	OLE	ES)	BOTT	OM FEED 10,000	AIC MIN.
LOAD	CIRCUIT DIRECTORY	CKT NO.		A	B (- 1		CKT NO.	: CIRCIII DIRECTORY	LOAD
11,700	HP-1 (INDOOR)	1	2P /	•	Anticonstant variety		1P-20A	2	EF-17	530
		3	70A		•		1P-20A	4	FIRE/SMOKE DAMPERS	800
6030	HP-1 (INDOOR)	5	2P /				1P-20A	6	FIRE/SMOKE DAMPERS	400
		7	40A				1P-20A	8	SPARE	
380	EF-1/2/3	9	1P-20A	•	and the same of th		1P-20A	10	SPARE	
850	EF-4/5/6/29	4	1P-20A		•		1P-20A	12	SPARE	
1240	EF-7/8/9/10/11	13	1P-20A				1P-20A	14	SPARE	
700	EF-12	15	1P-20A					16	SPACE	
860	EF-13/31	17	1P-20A					18	SPACE	
850	EF-19/20/21/22 SPARE	19	1P-20A					20	SPACE	
700	FC-28 SPARE	21	1P-20A					22	SPACE	
1080	RECEPTACLES (LOFT)	23	1P-20A					24	SPACE	
900	RECEPTACLES (LOFT)	25	1P-20A	•			3P /	26	SUBFEED PANEL 'BP2'	39,520
900	RECEPTACLES (LOFT)	27	1P-20A		•			28		
	SPACE	29	**************************************		1 '		/ 150A	30		
26,190	TOTAL VA 67,440						CUF	REN	NT 187 AMPS	41,250
-	DEMAND VA 70,370			D	EM	ΑI	ND CUF	REN	NT 195 AMPS	

8100	RANGE	11	2P-50A	•		2P-50A	12	RANGE	8100
8100	RANGE	9	2P-50A			2P-50A	+	RANGE	8100
8100	RANGE	+	2P-50A	•	\prod	2P-50A		RANGE	8100
0100		15	21 007			12, 00,	16		0100
1350	RANGEHOOD/MICROWAVE	17	1P-20A		╁	2P-30A		WASHER/DRYER COMBO	5100
1350	RANGEHOOD/MICROWAVE	19	1P-20A		H		20		3100
1350	RANGEHOOD/MICROWAVE	21	1P-20A			2P-30A		DRYER	5000
1350	RANGEHOOD/MICROWAVE	23	1P-20A	-			24		3000
1350	RANGEHOOD/MICROWAVE	25		├	t	2P-30A		DRYER	5000
1350	RANGEHOOD/MICROWAVE	27	1P-20A				28		3000
1350	RANGEHOOD/MICROWAVE	29	1P-20A		\dagger	1P-20A		WASHER	960
1030	DISHWASHER	31	1P-20A	├ ─ ┼ ──		1P-20A	<u></u>	WASHER	960
1030	DISHWASHER	33	1P-20A		•	1P-20A			720
970	FUME HOOD	35	1P-20A		+	i .	.1	SPARE WASHER HEALTH	1/20
970	FUME HOOD	37	1P-20A		+	1P-20A			
970	FUME HOOD	39	1P-20A			1P-20A			
1700	LAMINATOR	41	1P-20A					SPARE	verane and the second

PANEL	'BP2'	3	PHASE 4	WIRE	12	20/	20	8 VOL	TS 2	25 AMPS MAIN LUGS		******
(FULL	SKIRT)	SURFACE	MOUNT	42	P(DLE	S		TOP	FEED 10,000	AIC	MIN.
LOAD	CIRCUIT DIF	RECTORY	CKT NO.		Ą	ΒÇ		CKT BRKR	CKT NO.	I CIRCIIII DIRECIORY		LOAD
500	WATER COOLER		1	1P-20A	•		1	P-20A	2	REFRIGERATOR		750
500	WATER COOLER		3	1P-20A			1	P-20A	4	REFRIGERATOR		750
500	WATER COOLER		5	1P-20A		•	1	P-20A	6	REFRIGERATOR (2)		910
1450	COPY MACHINE		7	1P-20A	•		1	P-20A	8	LAMINATOR		2300
3330	COPY MACHINE		9	2P /		•	1	P-20A	10	VENDING MACHINE		800
			11	20A			1	P-20A	12	VENDING MACHINE		800
1450	COPY MACHINE		13	1P-20A	•		4	P-20A	14	VENDING MACHINE		800
1680	HAND DRYER		15	1P-20A			4	P-20A	16	HOTWATER DISPENSER		1500
840	HAND DRYER		17	1P-20A		•	1	P-20A	18	DISPOSAL	Salara Arriva	1180
840	HAND DRYER		19	1P-20A			1	P-20A	20	DISPOSAL		1180
840	HAND DRYER		21	1P-20A		•	1	P-20A	22	DISPOSAL	T	1180
840	HAND DRYER		23	1P-20A			1	P-20A	24	DISPOSAL		1180
1680	HAND DRYER		25	1P-20A	•		1	P-20A	26	DISPOSAL		1180
1080	RECEPTACLES		27	1P-20A		•	1	P-20A	28	DISPOSAL		1180
900	RECEPTACLES		29	1P-20A			• 1	P-20A	30	DISPOSAL		1180
1080	RECEPTACLES		31	1P-20A	•		1	P-20A	32	DISPOSAL		1180
1080	RECEPTACLES		33	1P-20A		•	1	P-20A	34	RECEPTACLES		900
1080	RECEPTACLES		35	1P-20A		•	• 1	P-20A	36	RECEPTACLES		900
	SPARE		37	1P-20A	•		1	P-20A	38	SPARE		***************************************
	SPARE		39	1P-20A			1	P-20A	40	SPARE		
	SPARE		41	1P-20A			1	P-20A	42	SPARE		
19,670		L VA 39,52							RREN		***************************************	19,850
	DEMA	AND VA 39	9,820		D	EM	A٨	ID CUI	RREN	NT 111 AMPS	***************************************	

PANEL					,				00 AMPS MAIN LUGS	
LOWER	R SKIRT ONLY) SURFACE M	IOUNT		PC)LES	-				AIC MIN.
LOAD	CIRCUIT DIRECTORY]	KT RKR	Ą E	3 Ç	CK BRK	- 1	CKT NO.	CIRCUIT DIRECTORY	LOAD
1960	LIGHTING	1 1P-	20A	•		1P-2	20A	2	LIGHTING	3940
1920	LIGHTING	3 1P-	20A			1P-2	20A	4	LIGHTING	3980
1960	LIGHTING	5 1P-	20A		•	1P-2	20A	6	LIGHTING	4450
4560	LIGHTING (EXTERIOR)	7 1P-	20A	•		1P-2	20A	8	LIGHTING (PARKING)	2500
3840	LIGHTING (LOFT)	9 1P-	20A	1		1P-2	20A	10	LIGHTING	2500
1880	FC-37	11 1P-	20A		•	1P-2	20A	12	FC-33	1880
1000	FC-41	13 1P-	20A	•		1P-2	20A	14	FC-34	1880
1000	FC-42	15 1P-	20A	1		1P-2	20A	16	FC-35	1880
1000	LIGHTING	17 1P-	20A		•	1P-2	20A	18	FC-36	2190
	SPARE	19 1P-	20A	•		3P		20	EF-16 (KITCHEN HOOD)	3980
	SPARE	21 1P-	20A	1			_	22		
	SPARE	23 1P-	20A		•	/ 2	.OA	24		
6310	FC-32A	25 3P		•		3P		26	FC-32C	6310
$\overline{}$		27		1				28		
		29	20A	1	•	/ 2	OA	30		
6310	FC-32B	31 3P		•		3Р		32	FC-32D	6310
		33						34		
		35	20A		•	/ 2	OA	36		
	SPACE	37		•		3P		38	PNL 'CL' TRANSFORMER	67,790
***************************************	SPACE	39		1		/		40		1 /
	SPACE	41			•	/12	25A	42		
71 7 <i>1</i> 0	TOTAL VA 141,330							REN	NT 170 AMPS	100 500
31,740	DEMAND VA 155,220			Di	- 141	ND (םוןר	PEN	NT 187 AMPS	109,590



ERICKSON

			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	TOTAL AND COMPANY AND THE AND					***	
3 PHAS	SE 4			,				MAIN BREAKER		
ONLY) SURFACE M	OUNT	42	PC)LES		ВОТТ	y	10,000	AIC	MIN.
CUIT DIRECTORY	CKT NO.	CKT BRKR	Δ	ΒÇ		CKT NO.	CIRCUIT	DIRECTORY		LOAD
/15	1	1P-20A	1	ΪĬ	1P-20A		RECEPTACLES			540
	3	1P- 20A		•	1P-20A	}	RECEPTACLES			540
FA GAS SOLINA	5		T	•	1P-20A	6	RECEPTACLES			900
	7	1P-20A			1P-20A	8	RECEPTACLES			720
TACLES	9	1P-20 A		•	1P-20A	10	RECEPTACLES			720
TACLES	11	1P-20A		•	1P-20A	12	RECEPTACLES			720
TACLES	13	1P-20A	•		1P-20A	14	RECEPTACLES			720
CTION SCREEN SPARE	15	1P-20A			1P-20A	16	RECEPTACLES			1080
COOLER	17	1P-20A		•	1P-20A	18	RECEPTACLES			1080
NG (TUNNEL)	19	1P-20A	•		1P-20A	20	<u> </u>			1080
	21	1P-20A			1P-20A	22	SPARE		-	
RIZED WALL PROJECTOR SCREE	N 23	3P /		1	1P-20A	24	SPARE			www.go-goyo
RIZED WALL	25		•		3P /	26	MOTORIZED WA			1120
PATZED WALL	27	20A				28	SPAR			
	29	1P-20A		•	20A	30				
	31	1P-20A	•		3P /	32	STAGE/HOUSE	LIGHTING		28800
	33	1P-20A			$\downarrow \angle$	34				_/
1 (BLOWER)/CP-4	35	1P-20A	 	1	80A	36				
IOR LIGHTING CONTROL		1P-20A		11	3P /	38	SUBFEED PNL	,CC,		14,840
ITION CONTROLLER	39	1P-20A	+		\perp	40				_/
IG SHUTTERS	41	1P-20A		<u> </u>	75A	42				
TOTAL VA 67,790					CU	RREI	NT 188 AI	MPS		52,860
DEMAND VA 72,370			D	EMA	AND CU	RREI	VT 201 A	MPS		
BREAKERS					de de la constante de la const					

3	PHASE 4	WIRE	12	0/2	.08 VOL	TS 1	00 <i>A</i>	MPS	MAIN LUGS		
T ONLY) SURFACE	MOUNT	24	PC	LES	5	BOTT	OM FEI	ED	10,000	AIC	MIN.
ACUIT DIDECTORY	СКТ	CKT			CKT	CKT	CIE	CLIIT	DIRECTORY		LOAD
CUIT DIRECTORY	NO.	BRKR	Αſ	3 Ç	BRKR	NO.					
UTERS	1	1P-20A	•		1P-20A	2	L		RESSOR		
	3	1P-20A			1P-20A	4	SURGE	SUPP	RESSOR		*****
UTERS	5	1P-20A		•	1P-20A	6	SURGE	SUPP	RESSOR		
UTERS	7	1P-20A	•		1P-20A	8	CASH	REGIST	ER		400
UTERS	9	1P-20A			1P-20A	10	SOUND	SYST	EM		500
UTERS	11	1P-20A		•	1P-20A	12	SOUND	SYST	EM		500
PTACLES	13	1P-20A	•		1P-20A	14	COMPL	JTERS			1200
PTACLES	15	1P-20A		•	1P-20A	16	COMPL	JTERS			1200
PTACLES	17	1P-20A		•	1P-20A	18	SPARE				
PTACLES	19	1P-20A			1P-20A	20	SPRAE				
PTACLES	21	1P-20A			1P-20A	22	SPARE				
E	23	1P-20A		•	1P-20A	24	SPARE				
TOTAL VA 14,8	4 0				CU	RREN	NT 4	1 A	MPS		3,800
DEMAND VA 14	4,840		DI	EMA	ND CU	RRE	NT 4	l A	MPS		

		U	ヒト	ΛAI	ND CUP	KKEN	NI 41 AMPS	
			, <u>, , , , , , , , , , , , , , , , , , </u>		A Paris Control of the Paris C			
4	WIRE	2	77	/4	80 VOL	TS 2	225 AMPS MAIN LUGS	
								C MIN.
1		Α	B	С	}	٤		LOAD
1	1P-20A	•	Ť	Ť				1680
3	1P-20A		•		1P-20A	4	LIGHTING	3680
5	1P-20A			•	1P-20A	6	LIGHTING	3660
7	1P-20A	•			1P-20A	8	LIGHTING	3670
9	1P-20A		•		1P-20A	10	FC-44	2190
11	1P-20A			•	1P-20A	4		1880
13	1P-20A	•			1P-20A	14		2190
15	1P-20A		•		1P-20A	16		1360
17	1P-20A			•		18		
19	3P /					20		
21			•			22		
23	20A			•		24		
25	3P /	•			3P /			3990
27			•	1		+		
29	20A		\perp	•				
31	3P /	•	\downarrow	1	3P /	- 		3990
33			•	_		+		
35	20A		\downarrow	•	20A	36		
37	3P /	•	\downarrow		3P /		PNL 'GL' TRANSFORMER	33260
39		Ш.	•	1	\downarrow	-		
41	20A	Ш		<u>†</u>	√ 50A	42		
					CU	RREI	NT 117 AMPS	61,550
			E	MΑ	ND CU	RREI	NT 127 AMPS	
	UNT CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37	CKT CKT NO. BRKR 1 1P-20A 3 1P-20A 7 1P-20A 11 1P-20A 13 1P-20A 15 1P-20A 17 1P-20A 19 3P 21 23 20A 25 3P 27 29 20A 31 3P 33 35 20A 37 3P 39 39	A WIRE 2 UNT 42 PC CKT CKT NO. BRKR A 1 1P-20A 3 1P-20A 5 1P-20A 7 1P-20A 9 1P-20A 11 1P-20A 13 1P-20A 15 1P-20A 17 1P-20A 19 3P 21 20A 25 3P 27 29 20A 31 3P 33 35 20A 37 3P 39 41 20A	4 WIRE 277 UNT 42 POL CKT CKT NO. BRKR A B 1 1P-20A 3 1P-20A 5 1P-20A 7 1P-20A 9 1P-20A 11 1P-20A 13 1P-20A 15 1P-20A 17 1P-20A 19 3P 21 23 20A 19 3P 21 23 20A 25 3P 27 29 20A 31 3P 33 3 35 20A 37 3P 39 4	A WIRE 277/4 UNT 42 POLES CKT CKT NO. BRKR A B C 1 1P-20A	A WIRE	A WIRE	A WIRE 277/480 VOLTS 225 AMPS MAIN LUGS

PANEL'								50 AMPS MAIN BREAKER		
(FULL SI	KIRT) SURFACI	<u>MOUNT</u>	42	PC)LE		BOTT		AIC	MIN
LOAD	CIRCUIT DIRECTORY	CKT NO.	CKT BRKR	A	вс	CKT BRKR	CKT NO.		onnone was a second	_OAD
1370 E	EF-23/24	1	1P-20A		ŤŤ	1P-20A	2	SURGE SUPPRESSOR		
	EF-26/28	3	1P-20A		•	1P-20A	4	SURGE SUPPRESSOR		
	HWT-2 (BLOWER)/CP-5	5	1P-20A		1	1P-20A	6	SURGE SUPPRESSOR		****
	EF-25/27/RECEPTACLES	7	1P-20A	•		1P-20A	8	SOUND SYSTEM		500
	RECEPTACLES	9	1P-20A		•	1P-20A	10	COMPUTERS		1600
900 F	RECEPTACLES	11	1P-20A		1	1P-20A	12	COMPUTERS		1200
	RECEPTACLES	13	1P-20A	•		1P-20A	14	COMPUTERS		1200
1080 F	RECEPTACLES	15	1P-20A		•	1P-20A	16	COMPUTERS		800
	RECEPTACLES	17	1P-20A		•	1P-20A	18	COMPUTERS		800
900 F	RECEPTACLES	19	1P-20A	•		1P-20A	20	HAIR DRYERS		1680
	RECEPTACLES	21	1P-20A		•	1P-20A	22	HAIR DRYERS		1680
	RECEPTACLES	23	1P-20A			1P-20/	24	HAIR DRYERS		840
	RECEPTACLES	25	1P-20A	•		1P-20/	26			840
900	RECEPTACLES	27	1P-20A		•	1P-20/	28	the state of the s		500
1660	MOTORIZED CURTAIN	29	1P-20A			1P-20/	30	WATER COOLER		500
	SPARE	31	1P-20A	•		1P-20/	32	E CONTRACTOR DE		1180
1	SPARE	33	1P-20A		•	1P-20/	34		,	1180
	SPARE	35	1P-20A			1P-20	36	ICE MACHINE/REFRIGERATOR		480
	SPARE	37	1P-20A	•		1P-20	38	ICE MACHINE		480
1120	BLEACHERS	39	2P /		•	1P-20	4 40	EXTERIOR LIGHTING CONTROL		100
		41	30A			1P-20	42	SPARE	, , , , , , , , , , , , , , , , , , , ,	\$ {
17,700	TOTAL VA 33	.260		dere de cons		CU	RRE		Acceptance of the parameter of the second of	15,56
*	DEMAND VA	33,420		D	EM,	AND CU	RRE	NT 93 AMPS		

PANEL		SE 4 MOUNT			20/2 DLE:				500 AMPS MAIN BREAKER OM FEED 22,000 AIC MIN	
		CKT	CKT		<u> </u>			CKT		
LOAD	CIRCUIT DIRECTORY	NO.	BRKR	Α	ВС	BR	KR	NO	CIRCUIT DIRECTORY LOAD	
320	HOOD LIGHTING	1	1P-20A				20 A	2		0
	WALK-IN COOLER	3	1P-20A		•	1P-	20 A	<u> </u>		
670	WALK-IN FREEZER	5	1P-20A		•	1P-	20 A	1		0
	SPARE	7	1P-20A	•		1P-	20 A	8	FIRE SUPPRESSION CABINET 18	0
	SPARE	9	1P-20A		•	1P-	20A	10	COILING SHUTTERS 172	0
•	SPARE	11	1P-20A		•		oppopulation of the section and the section	12	ENGLISHED STATES OF THE STATES	
	SPARE	13	1P-20A	•				14		
2000	SERVING UNIT	15	2P /		•				SPACE	
		17	20A		•			3	SPACE	
2000	SERVING UNIT	19	2P /	•		2P		20	SERVING UNIT 600	0
		21	20A		•		40A	22		
45000	BOOSTER HEATER	23	3P /		•	3P	\mathcal{L}	24	DISHWASHER 1823	0
		25		•				26		
		27	/175A		•		75A	28		
4280	DISPOSAL	29	3P /		•	3P	\mathcal{L}	30	REFRIGERATION UNIT 382	20
		31		•				32		
		33	/ 20A		•		20 A	34		
35360	UTILITY DISTRIBUTION SYSTEM	35	3P /		•	3 P		36	UTILITY DISTRIBUTION SYSTEM 5430	0
		37		•				38		, par en spennenger, produce
		39			•		/	40		
		41	/ 175A				175A	42		
00.000	TOTAL VA 177,600						CUI	RRE	NT 493 AMPS 87,31	Λ
90,290	DEMAND VA 120,170	0		Г	EM/	AND	CUI	RRE	· · · · · · · · · · · · · · · · · · ·	U
	NT TRIP CIRCUIT BREAKER	<u></u>						***************************************		
本 GFI(CIRCUIT BREAKER									
PANEL	-'M H' 3 PHA	ASE 4	WIRE	2	77/	480	VOL	TS		
(LOWER	SKIRT ONLY) SURFACE	MOUNT	30	P	OLE	S		BOT	TOM FEED 22,000 AIC MI	Ν.
LOAD	CIRCUIT DIRECTORY	CKT NO.		A	В (KT RKR	CK NC	- CIRCUIT DIRECTORY LOA	D
	HEATING PUMPING	INO.	3P /	1	<u> </u>	ř H	11151	2		

PANEL'	MH'	3	PHASE	= 4	WIRE	27	7/4	0V 084	LTS	40	O AMPS N	MAIN LUGS		
(LOWER	SKIRT ONLY)	SURFACE	MC)UNT	30	PC)LE	S	BOT	ΤΟI	M FEED	22,000	Al	C MIN.
LOAD	CIRCUIT DIF	RECTORY		CKT NO.	CKT BRKR	A	ВС	CKT BRKF		-	CIRCUIT	DIRECTORY		LOAD
50840	HEATING PUM	IPING		1	3P /	•			2	2	SPACE			
			Andrew Control of the	3			•		4	ļ.	SPACE			
			- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	5	100A		•		6	3	SPACE		,,,,,	
26560	DOMESTIC BO	OSTER SYS	STEM	7	3P /	•		3P _	/ 8	3	BCP-1			216
				9			•		10)				
				11	40A			20.	٩ 12	2				
1490	EF-30			13	3P /	•		3P _	14	1	BCP-2			216
				15			•		16	3				
				17	20A			20	A 18	3				
2820	IRRIGATION P	UMP		19	3P /	•		3P _	/ 20)	BCP-3			216
				21			•		22	2				
				23	20A			20	A 24	4				
3980	FIRE COMPRE	ESSOR		25	3P /	•		3P	/ 26	6	PNL 'SL' TRA	NSFORMER		15083
				27			•		28	8				
			Nonemploophe - hills I I I I I I I I I I I I I I I I I I	29	20A			250)A 3(0				
95,690	TOTA	L VA 253,0	000					CI	JRRE	EN.	T 305 AM	IPS		157,3
,,,,,,	DFM	AND VA 25	54,890			D	ЕМ	AND CI	JRRE	EN'	T 307 AM	IPS		***************************************

PANEL	'SL'	3	PHASE	4	WIRE	12	20/	/20	08 VOL	TS 6	00 AMPS	MAIN BREAKER		
(FULL S	KIRT)	SURFACE	МО	UNT		PO	DL	ES	-	BOTT		10,000	AIC	MIN.
LOAD	CIRCUIT	DIRECTORY		CKT NO.		Ą	B	Ç		CKT NO.	CIRCUIT	DIRECTORY		LOAD
40	"KILN ON"	LIGHT		1	1P-20A	•			1P-20A	2	KILN CONTRO	OL		270
240	SPARK DET	TEC'R/ABORT	DAMP'R	3	1P-20A		·		1P-20A	4	RECEPTACLE:	S		1260
10	FILTER PR	ESSURE SWIT	CH	5	1P-20A				1P-20A	6	RECEPTACLE:	S		1080
700	AIR DRYEF	?		7	1P-20A	•			1P-20A	8	RECEPTACLE:	S		1080
	SPARE			9	1P-20A		•		1P-20A	10	RECEPTACLES	S		1080
	SPARE			11	1P-20A			•	1P-20A	12	RECEPTACLE	S		1080
	SPARE			13	1P-20A	•			1P-20A	14	RECEPTACLE	S		1080
	SPARE			15	1P-20A		•			16	SPACE			B-1
	SPARE			17	1P-20A			•		18	SPACE			
11000	KILN			19	3P /	•			3P /	20	SUBFEED PA	ANEL 'SC2'		49440
				21			•			22				/
				23	40A			•	/175A	24				
43460	SUBFEED	PANEL 'SC1'		25	3P /	•			3P /	26	SUBFEED PA	ANEL 'SP'		39010
				27			•			28				/
				29	175A		\perp	•	/ 175A	30				
55,450	T(OTAL VA 150	,830						CU	RREI	NT 419 A	MPS		95,38
•	i	EMAND VA 1	52,210			D	EN	ΛN	ND CU	RREI	NT 423 A	MPS		

					u-0-10-1-1	····								
PANEL	'SP'			WIRE		,			VOL					
(FULL S	KIRT) SURF	ACE MO	UNT	30	P	OL	ES	3		BOTT	M FEED	10,000	AIC	MIN.
LOAD	CIRCUIT DIRECTO	RY	CKT				_			CKT	CIRCUI	T DIRECTORY		LOAD
			NO.		<u> </u>	B	Ç		RKR	 				4400
720	DROP CORDS		1	1P-20A	•	_	_	3P	/	2	BAND SAW			1120
1800	PLANNER					•	1	/		4				
700	SCROLL SAW		5	1P-20A			•		20A	6				
700	DRILL PRESS		7	1P-20A	•			3P	\mathcal{L}	8	JOINTER			1120
530	GRINDER		9	1P-20A		•				10				
	SPARE		11	1P-20A			•		20A	12				
	SPARE		13	1P-20A	•			3Р		14	FINISHING	MACHINE		2050
	SPARE		15	1P-20A		•				16				
4	SPARE		17	1P-20A			•		20A	18				
	SPACE		19		•			ЗР		20	ARBOR SA	N		6010
	SPACE		21			•				22				
	SPACE		23				•		20A	24				
18250	DUST COLLECTOR	=	25	3P /	•		Ī	3P		26	AIR COMPE	RESSOR		6010
			27			•				28				
		***************************************	29	70A			•		20A	30				
22,700	TOTAL VA	39,010							CUI	RREI	NT 108	AMPS		16,310
	DEMAND \	/A 43, 570				EN	ΜA	ND	CUI	RREI	NT 121	AMPS		***************************************

PANEL	'SC1' 3	PHASE 4	WIRE	12	0/2	08 VOL	TS 2	25 AMPS	MAIN LUGS	
	RECESSE	D MOUNT	42	PO	LES	3	TOP	FEED	10,000	AIC MI
1040	CIRCUIT DIRECTORY	СКТ	CKT			CKT	CKT	CIRCUIT	DIRECTORY	LOA
LOAD	CIRCUIT DIRECTORT	NO.	BRKR	ΑE	3 Ç	BRKR	NO.		DINCOTORT	
700	F.A. CONTROL PNL./COMM	UNICATOR 1	1P-20A	•		1P-20A	2	COMPUTERS		1600
800	I.C./CLOCK CONSOLE	3	1P-20A			1P-20A	4	COMPUTERS		1600
500	T.V. HEADEND	5	1P-20A		•	1P-20A	6	COMPUTERS		800
360	TELEPHONE TERMINAL BOA	RD 7	1P-20A	•		1P-20A	8	COMPUTERS		1600
1200	COMPUTERS	9	1P-20A	•		1P-20A	10	COMPUTERS		1600
1200	COMPUTERS	11	1P-20A		•	1P-20A	12	COMPUTERS		1600
1200	COMPUTERS	13	1P-20A	•		1P-20A	14	COMPUTERS		1200
1200	COMPUTERS	15	1P-20A	(1P-20A	16	COMPUTERS		1200
1200	COMPUTERS	17	1P-20A		•	1P-20A	18	COMPUTERS		1600
1200	COMPUTERS	19	1P-20A	•		1P-20A	20	COMPUTERS		1600
1600	COMPUTERS	21	1P-20A	•	•	1P-20A	22	COMPUTERS		1600
1600	COMPUTERS	23	1P-20A		•	1P-20A	24	COMPUTERS		1200
1600	COMPUTERS	25	1P-20A	•		1P-20A	26	COMPUTERS		1200
1600	COMPUTERS	27	1P-20A		•	1P-20A	28	COMPUTERS		1200
1600	COMPUTERS	29	1P-20A		•	1P-20A	30	COMPUTERS		1200
1600	COMPUTERS	31	1P-20A	•		1P-20A	32	COMPUTERS		90
1600	COMPUTERS	33	1P-20A		•	1P-20A	34	COMPUTERS		90
100	COMPUTER CONTROL	35	1P-20A		•	1P-20A	36	SPARE		
	SPARE	37	1P-20A	•		1P-20A	38	SURGE SUPPR		-
•	SPARE	39	1P-20A		•	1P-20A	1	SURGE SUPPR		_
	SPARE	41	1P-20A		•	1P-20A	42	SURGE SUPPR	ESSOR	
20,860	TOTAL VA 43,4	460		***************************************		CU	RREI		MPS	22,6
	DEMAND VA	13,46 0		D	EM/	AND CU	RREI	NT 121 A	MPS	

* PROVIDE WITH HANDLE LOCK-ON FEATURE

PANEL	.'SC2'		HASE 4	WIRE			,	08 VOL		25 AMPS MAIN LUGS	
		RECESSED	MOUNT	42	Р	OL	ES)	TOP	FEED 10,000 A	IC MIN
LOAD	CIRCUIT	DIRECTORY	CKT NO.	CKT BRKR	A	В	С		CKT NO.	I CIRCIII DIRECTORY	LOAD
1600	COMPUTERS		1	1P-20A	•			1P-20A	2	COMPUTERS	1600
1600	COMPUTERS	A	3	1P-20A		•		1P-20A	4	COMPUTERS	1600
1600	COMPUTERS		5	1P-20A			•	1P-20A	6	COMPUTERS	1600
1600	COMPUTERS		7	1P-20A	•			1P-20A	8	COMPUTERS	1600
1600	COMPUTERS		9	1P-20A		•		1P-20A	10	COMPUTERS	1600
1600	COMPUTERS		11	1P-20A			•	1P-20A	12	COMPUTERS	1600
1600	COMPUTERS			1P-20A	•			1P-20A	14	COMPUTERS	1600
1600	COMPUTERS		15	1P-20A		•		1P-20A	16	COMPUTERS	1600
1600	COMPUTERS		i	1P-20A			•	1P-20A	18	COMPUTERS	1600
1600	COMPUTERS			1P-20A	•			1P-20A	20	COMPUTERS	1600
1600	COMPUTERS			1P-20A		•		1P-20A	22	COMPUTERS	1600
1600	COMPUTERS			1P-20A			•	1P-20A	24	COMPUTERS	800
1600	COMPUTERS			1P-20A	•			1P-20A	26	<u> </u>	1080
1600	COMPUTERS			1P- 20A		•		1P-20A	28	RECEPTACLES	900
900	RECEPTACLE	S		1P-20A			•	1P-20A	30	RECEPTACLES	900
900	RECEPTACLE			1P-20A	•			1P-20A	32	SPARE RECPT PLUG MOLD	
900	RECEPTACLE			1P-20A		•		1P-20A	4	SPARE RECET PLUG MOLD	
1080	RECEPTACLE			1P-20A			•	1P-20A	36	SPARE	
1080	RECEPTACLE			1P-20A	•			1P-20A		SURGE SUPPRESSOR	
900	RECEPTACLE	S		1P-20A		•		1P-20A	40	SURGE SUPPRESSOR	
	SPARE		41	1P-20A			•	1P-20A	42	SURGE SUPPRESSOR	
28,160	TC	OTAL VA 49,440						CUF	REN	NT 137 AMPS	21,28
•	DE	EMAND VA 49,44	10		C	EN	ΛN	ND CUP	REN	NT 137 AMPS	*

SHORT CIRCUIT CURRENT CALCULATI	NC
MAXIMUM 3 PHASE SYMMETRICAL AVAILABLE FAULT CURRENT IN AMPERES	
AT TRANSFORMER SECONDARY (BY P.S.P.&L. CO.)	- 34,094 AMPERES
AT MAIN DISTRIBUTION SWITCHBOARD	- 31,366 AMPERES
AT NEAREST PANEL ('MH')	26,034 AMPERES

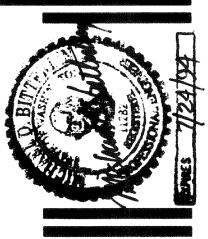
112.5KVA, 480VOLT DELTA PRIMARY,

CONSTRUCTION NOTES

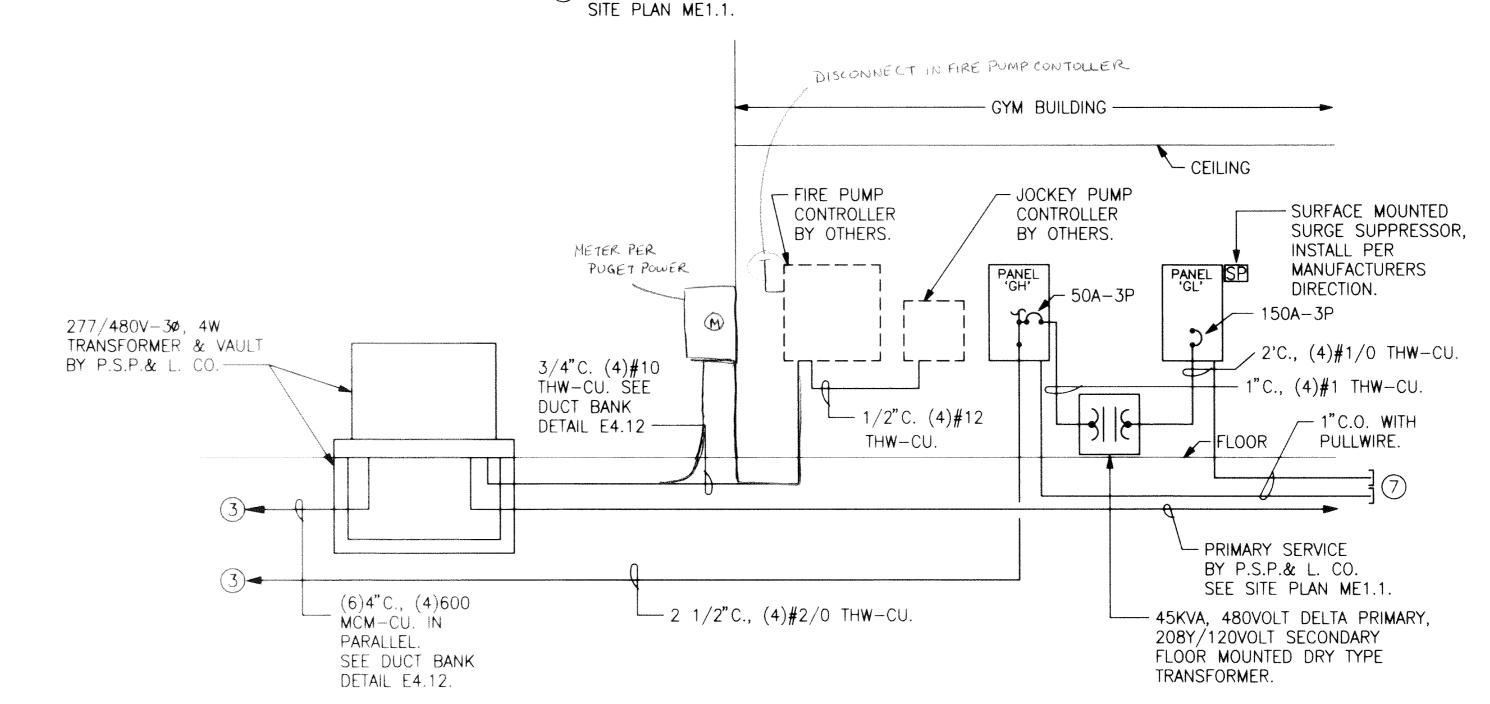
- (1) STUB-OUT (2)3/4"C. IN ACCESSIBLE CEILING.
- (2) STUB-OUT CONDUITS WITH PULLWIRE ONTO VAULT AT LOCATION OF FUTURE PORTABLES. SEE SITE PLAN ME1.1.
- (3) TO MAIN DISTRIBUTION SWITCH BOARD.
- (4) TO PAD MOUNT TRANSFORMER
- (5) TO PANEL 'GH' IN GYM BUILDING ROUTE THRU UTILITY TUNNEL. SEE SITE PLAN ME1.1.
- (6) TO PANEL 'BH' IN LOFT AREA.
- (7) STUB-OUT FOR FUTURE USE. SEE

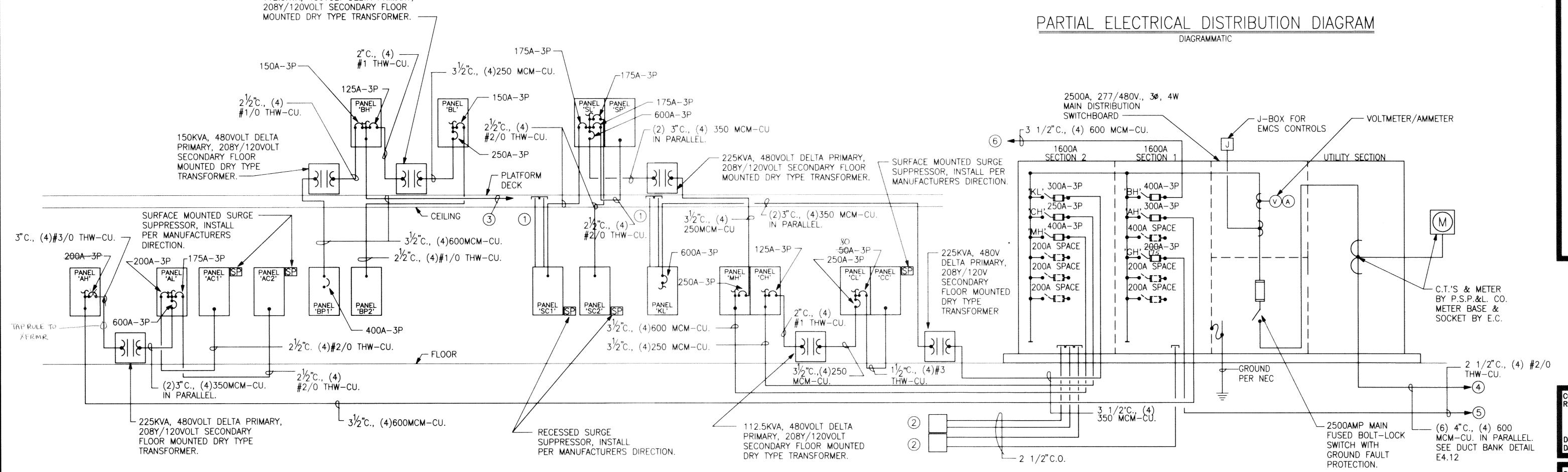
GENERAL NOTES

- ALL FEEDER SIZES ARE BASED ON COPPER.
- ALL BRANCH PANELS AND DRY TRANSFORMERS SHALL BE GROUNDED PER NEC.
- (3) ALL BRANCH PANELS WITH SURGE SUPPRESSORS SHALL HAVE ISOLATED GROUND BARS.



(208)





PARTIAL ELECTRICAL DISTRIBUTION DIAGRAM DIAGRAMMATIC

E4.10

ABCE McGOVERN の ロ ご の

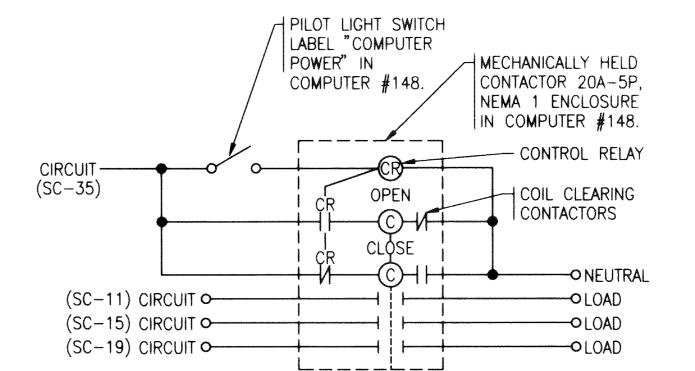
O

ERICKSON

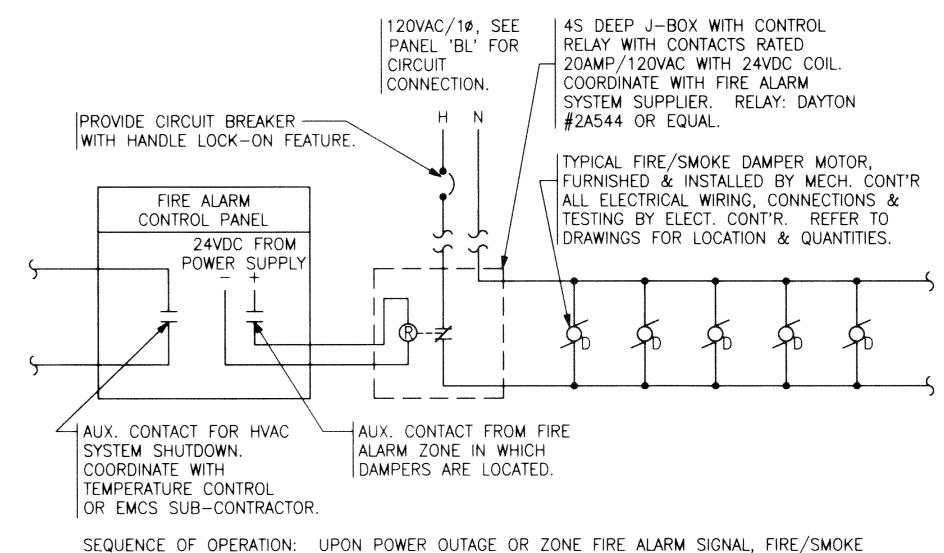
DRAWN D.M.N DATE 5/7/93





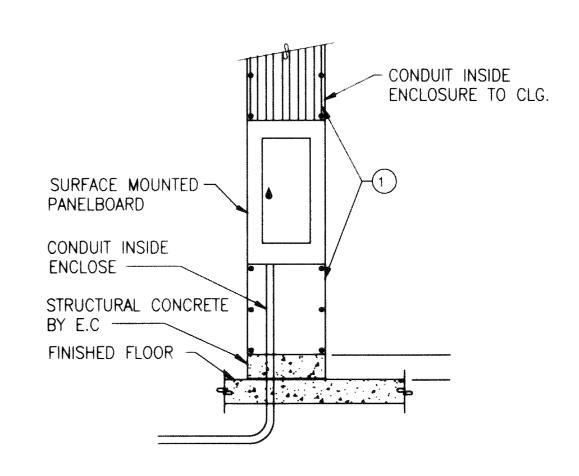


COMPUTER SWITCHING CONTROL (TYPICAL) NOT TO SCALE



DAMPERS SHALL CLOSE, AND HVAC SYSTEM SHALL BE SHUTDOWN UPON RESET OF FIRE ALARM CONTROL PANEL, DAMPERS SHALL AUTOMATICALLY OPEN, AND HVAC SYSTEM SHALL START.

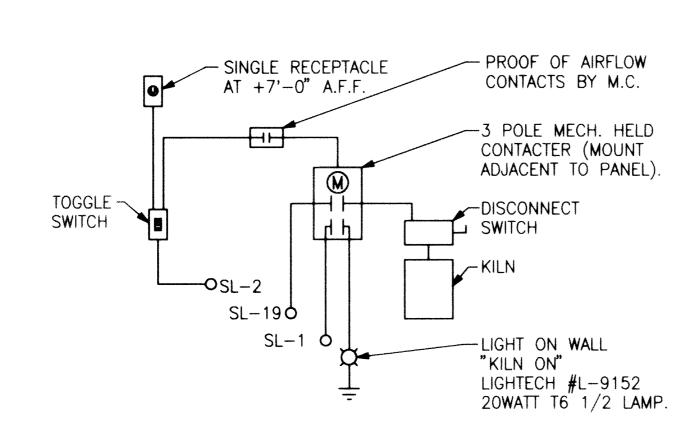
FIRE/SMOKE DAMPER CONTROL DIAGRAM NOT TO SCALE



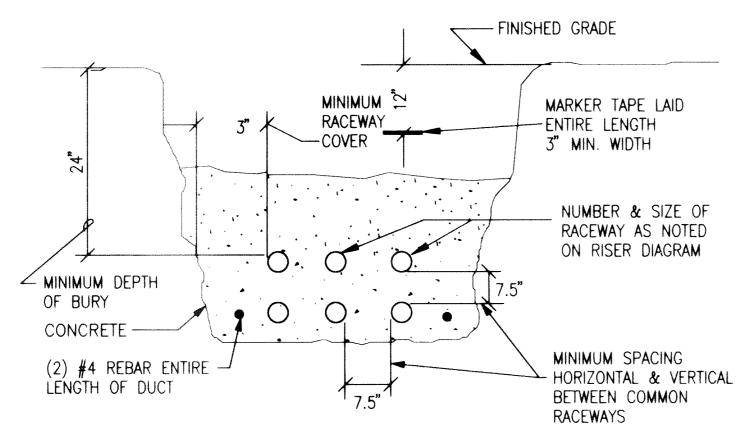
CONSTRUCTION NOTES

20 GA. SHEET METAL ENCLOSURE TO FIT FLUSH W/PANEL TRIM. FINISH TO MATCH PANELBOARD. CONDUIT ENCLOSURE SHALL BE MANUFACTURED BY PANEL MANUFACTURER.

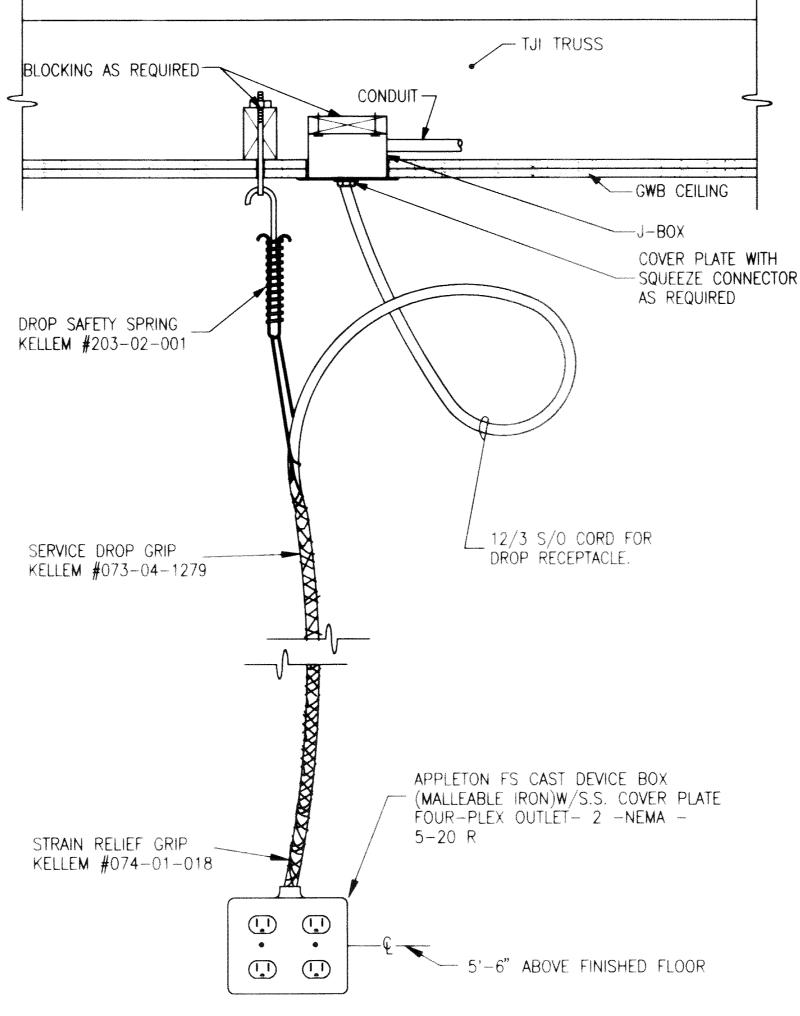
TYPICAL SURFACE MOUNTED PANELBOARD INSTALLATION DETAIL NOT TO SCALE



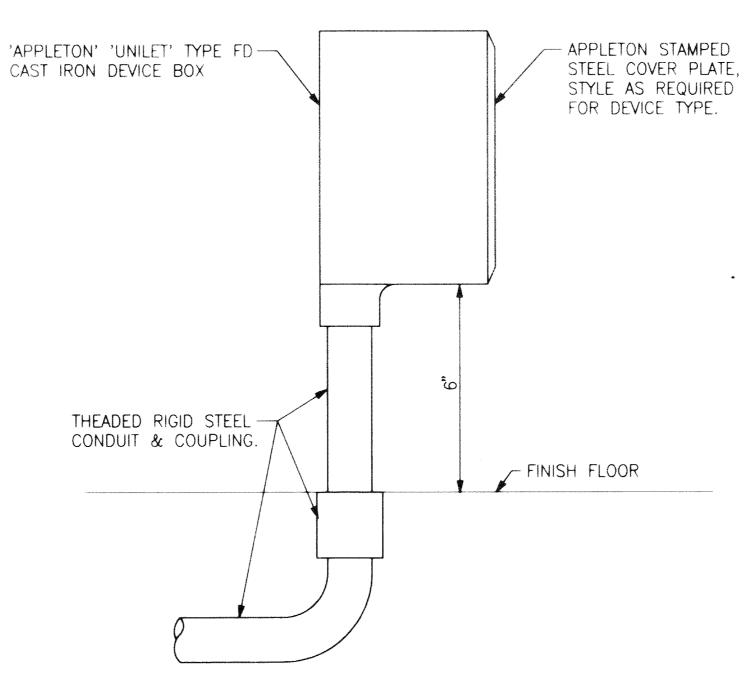
KILN HOOD CONTROL DIAGRAM DIAGRAMMATIC



DUCT BANK DETAIL NOT TO SCALE



DROP CORD DETAIL NOT TO SCALE



SHOP EQUIPMENT SERVICE FLOOR BOX DETAIL NOT TO SCALE

ARCHITE

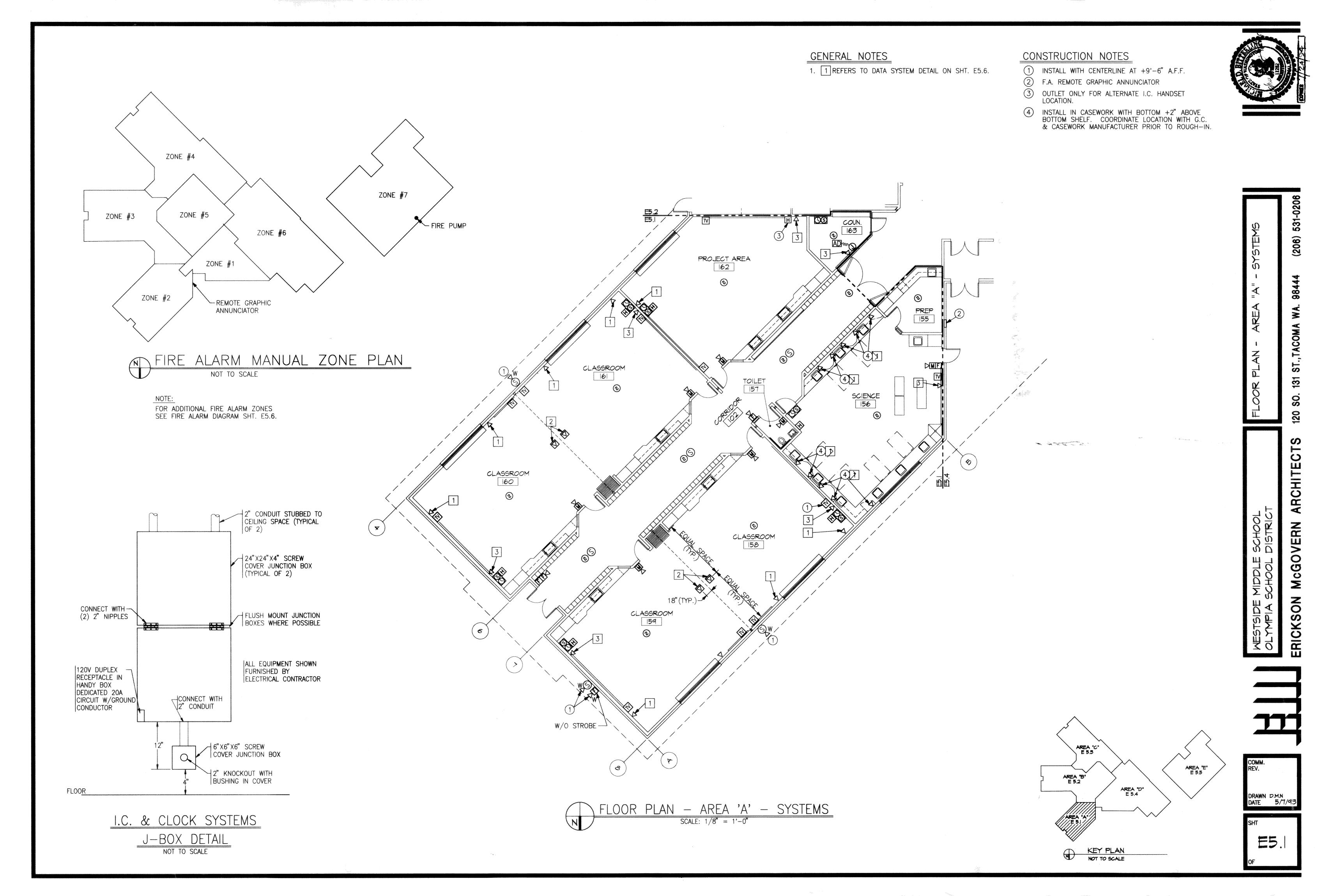
McGOVERN

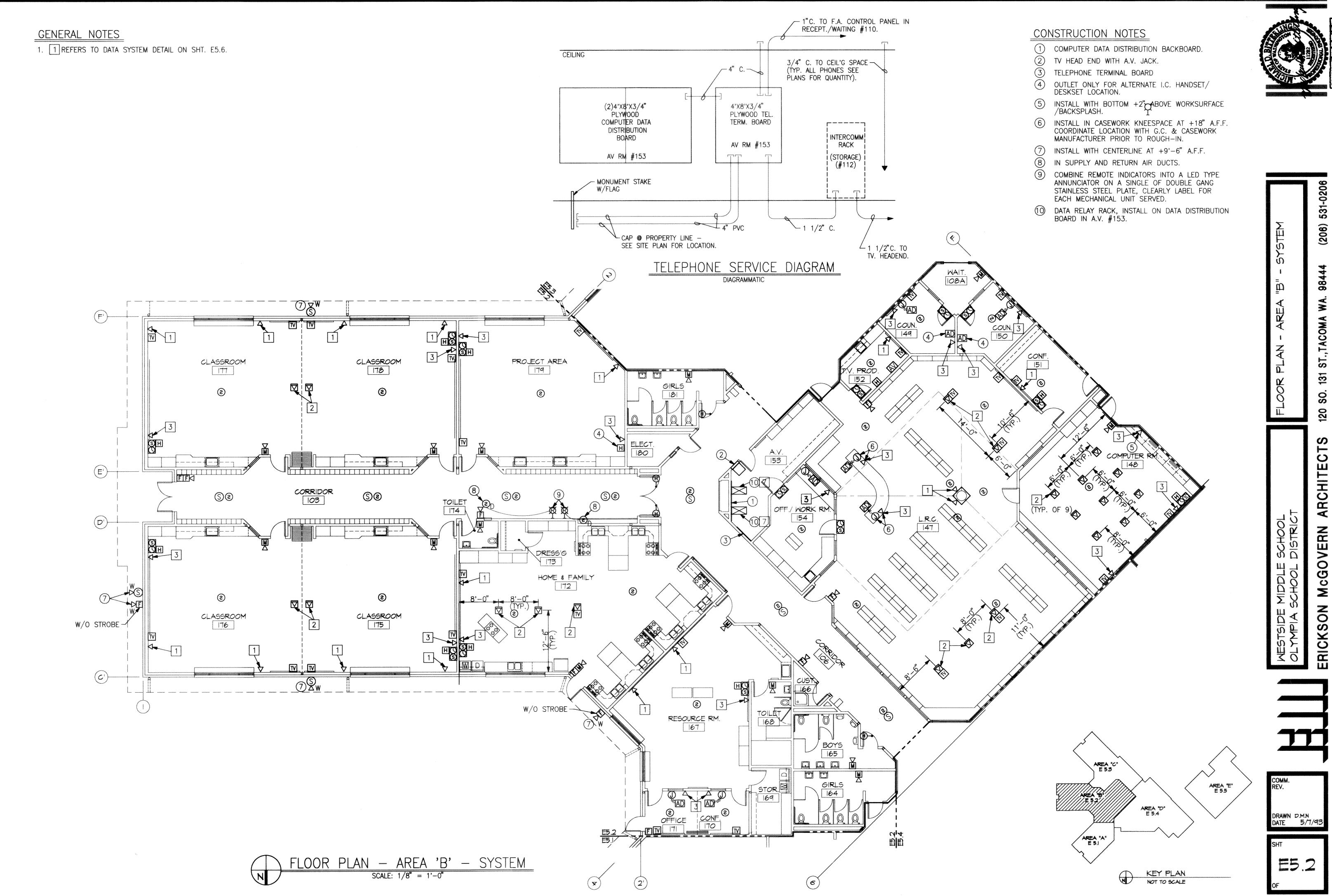
ERICKSON

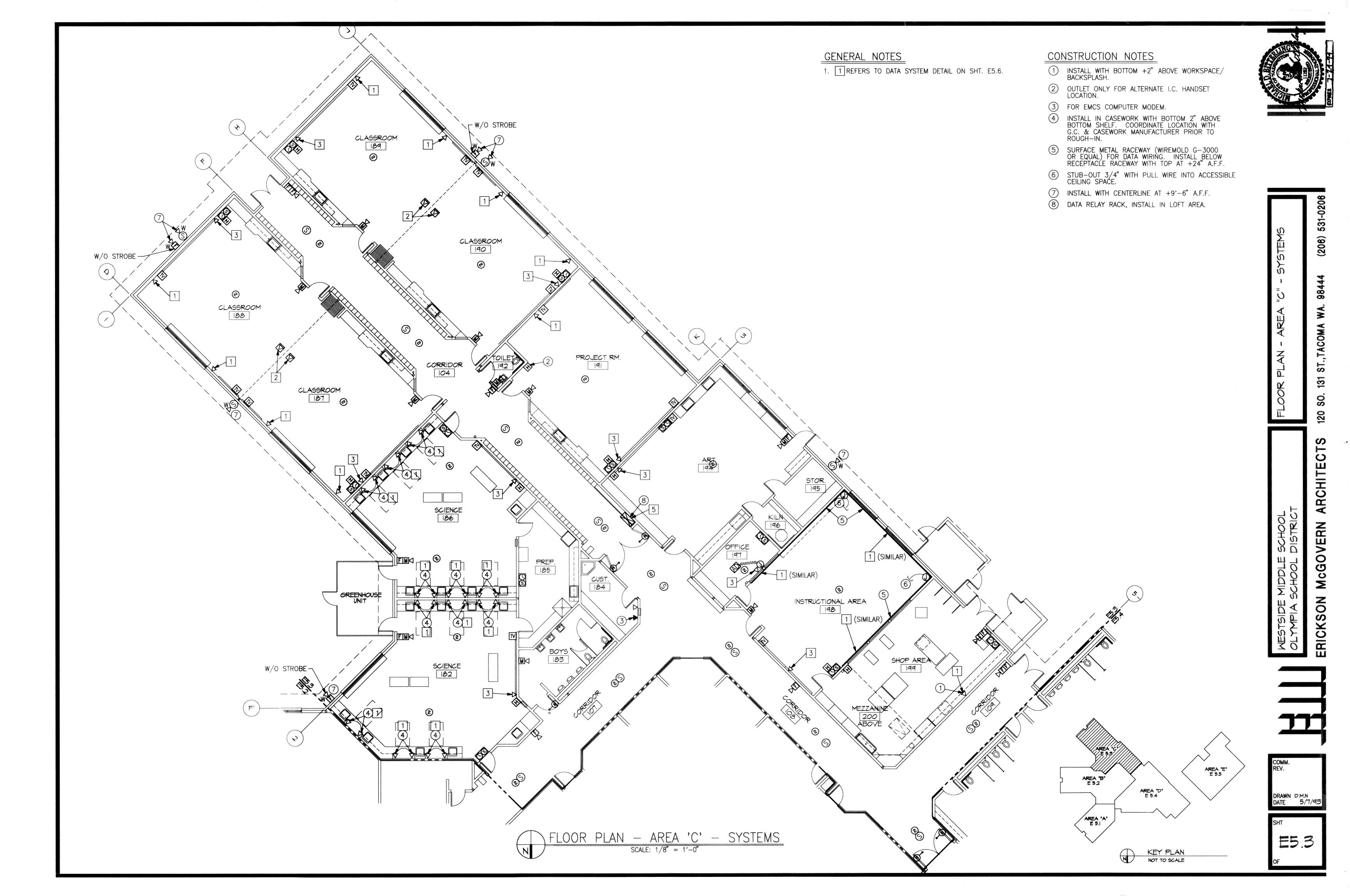
ロット

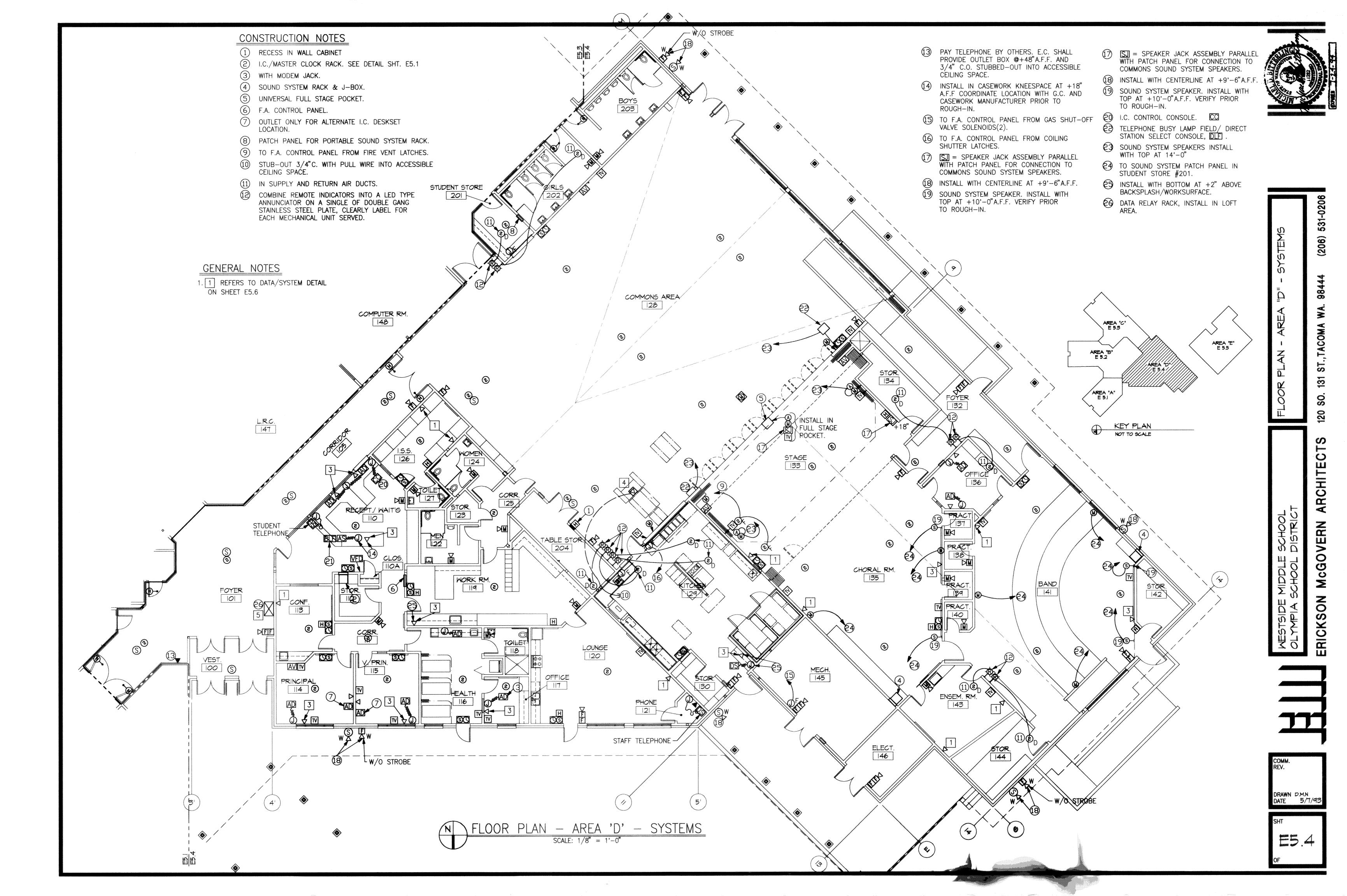
DRAWN D.M.N DATE 5/7/9

E4.





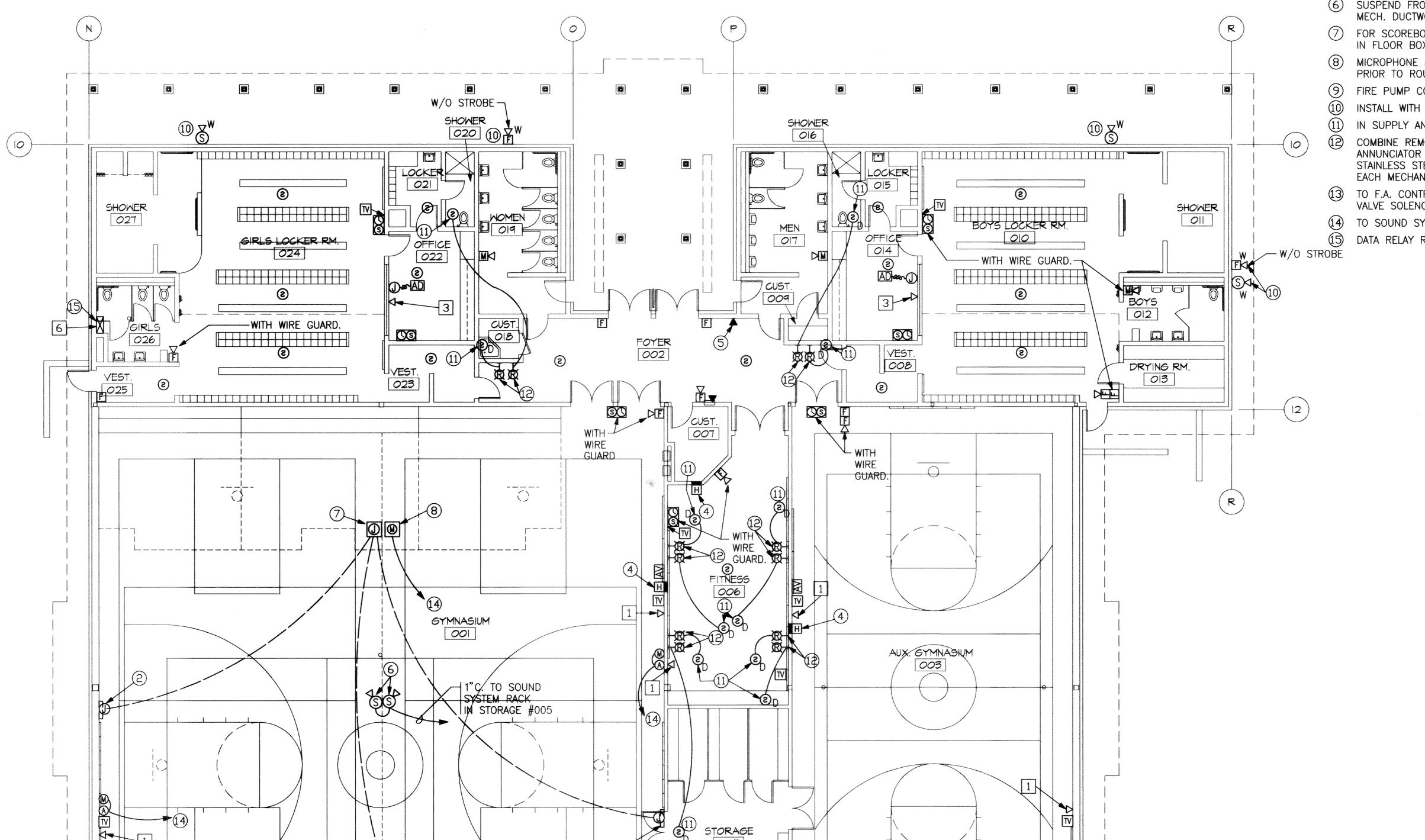




E5.5

GENERAL NOTES

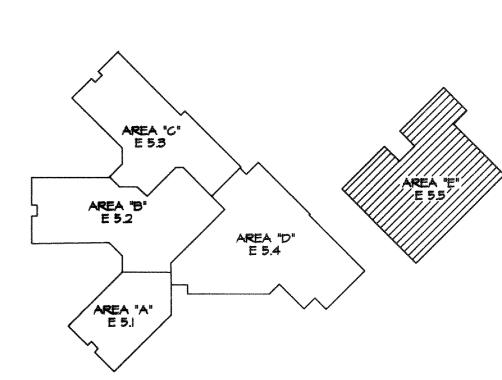
1. 1 REFERS TO DATA/SYSTEM DETAIL ON SHEET E5.6



004

TO REMOTE GRAPHIC ANNUNCIATOR.

- CONSTRUCTION NOTES
 - (1) SOUND SYSTEM RACK & J-BOX
 - 2 SHOT CLOCK (BY OWNER) ROUGH-IN BY E.C.
 - 3 SCOREBOARD (BY OWNER) ROUGH-IN BY E.C.
 - 4 RECESS IN WALL CABINET
 - PAY TELEPHONE BY OTHERS. E.C. SHALL PROVIDE OUTLET BOX @ +48" A.F.F. AND 3/4"C.O. STUBBED-OUT INTO ACCESSIBLE CÉILING SPACE.
- 6 SUSPEND FROM STRUCTURE DIRECTLY BELOW MECH. DUCTWORK, PROVIDE WIRE GUARD.
- 7 FOR SCOREBOARD/TIMER CONTROL CONSOLE JACK, IN FLOOR BOX. VERIFY LOCATION PRIOR TO ROUGH-IN.
- (8) MICROPHONE JACK IN FLOOR BOX, VERIFY LOCATION PRIOR TO ROUGH-IN.
- 9 FIRE PUMP CONTROL PANEL.
- 10 INSTALL WITH CENTERLINE AT +9'-6" A.F.F.
 - IN SUPPLY AND RETURN AIR DUCTS.
- COMBINE REMOTE INDICATORS INTO A LED TYPE ANNUNCIATOR ON A SINGLE OF DOUBLE GANG STAINLESS STEEL PLATE, CLEARLY LABEL FOR EACH MECHANICAL UNIT SERVED.
- 13 TO F.A. CONTROL PANEL FROM GAS SHUT-OFF VALVE SOLENOID ON LOFT.
- (14) TO SOUND SYSTEM J-BOX IN STORAGE #005.
 - DATA RELAY RACK, INSTALL IN LOFT AREA.



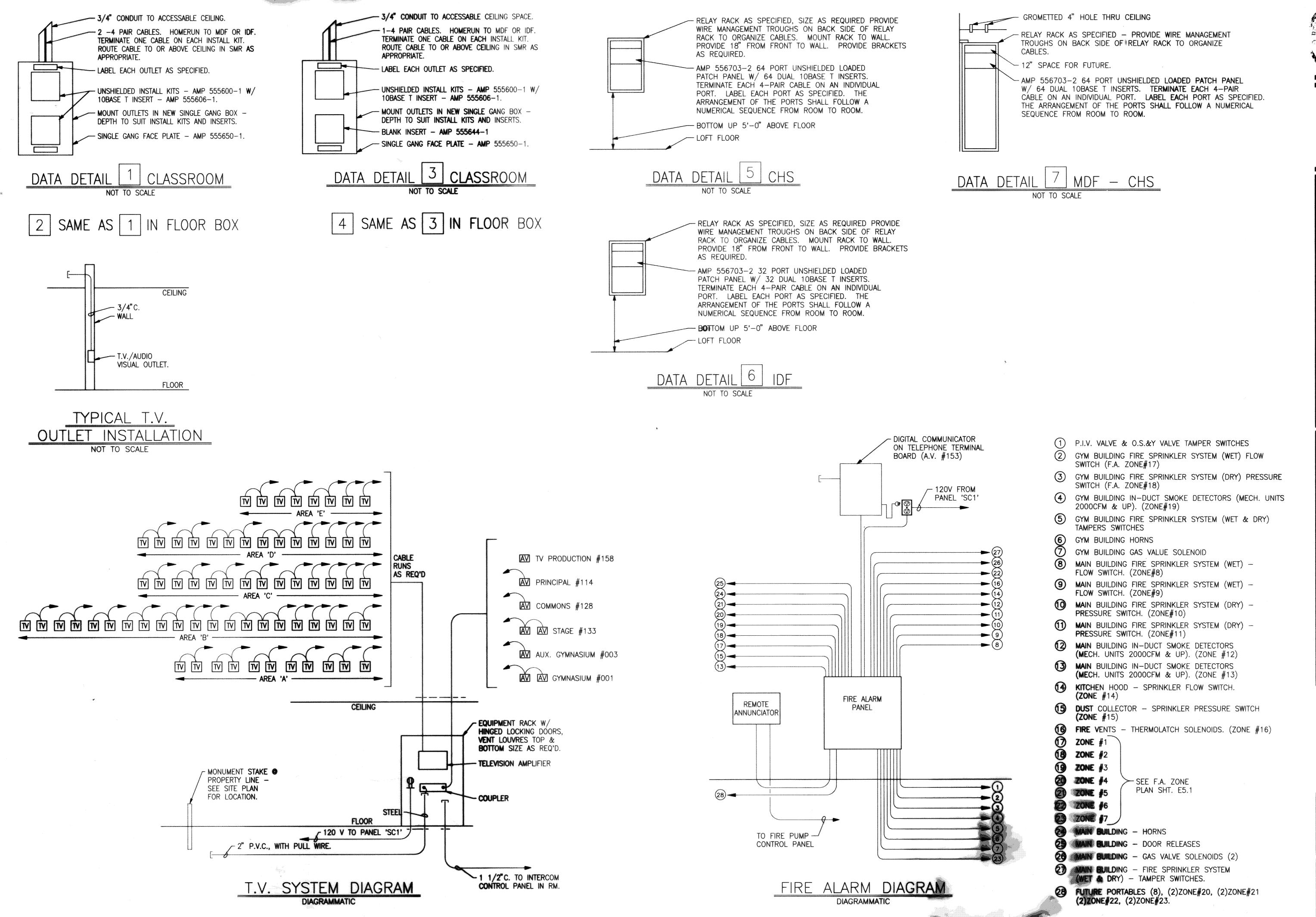
FLOOR PLAN - AREA 'E' - SYSTEMS

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

WIRE GUARD

(a)

KEY PLAN NOT TO SCALE



1282

908) K21-020

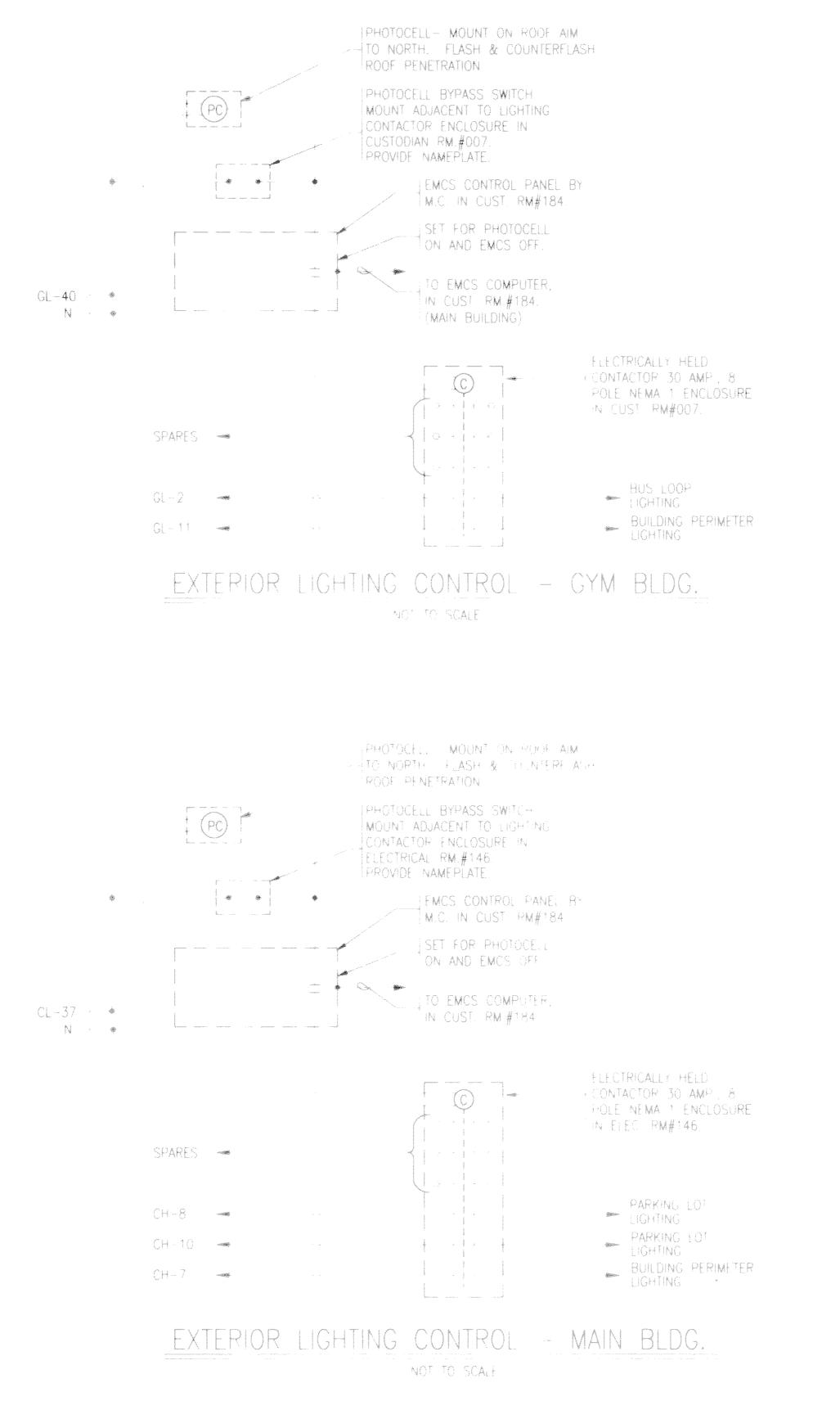
ST.,TACOMA

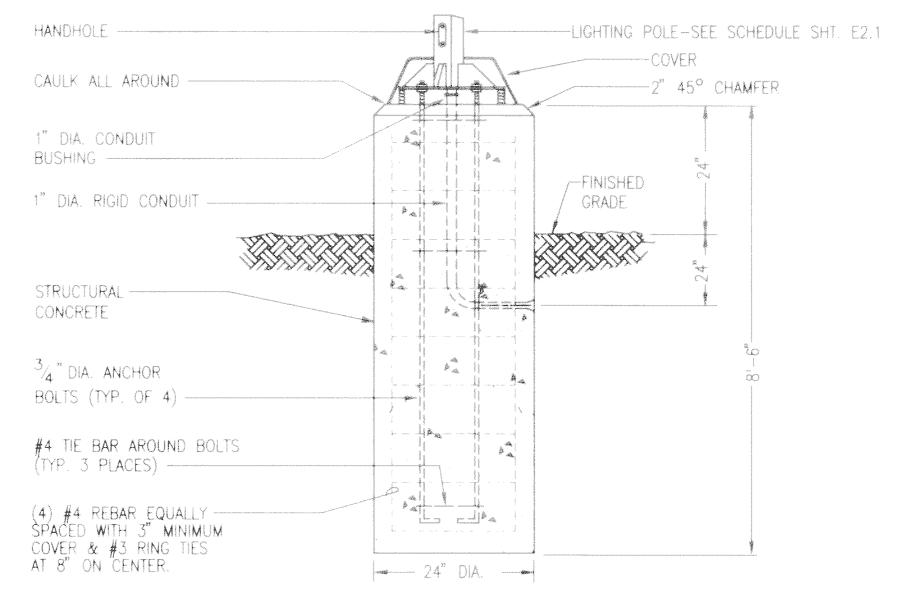
ECTS 120 SO. 131

MESTSIDE MIDDLE SCHOOL OLYMPIA SCHOOL DISTRICT RICKSON MCGOVERN ARCHITI

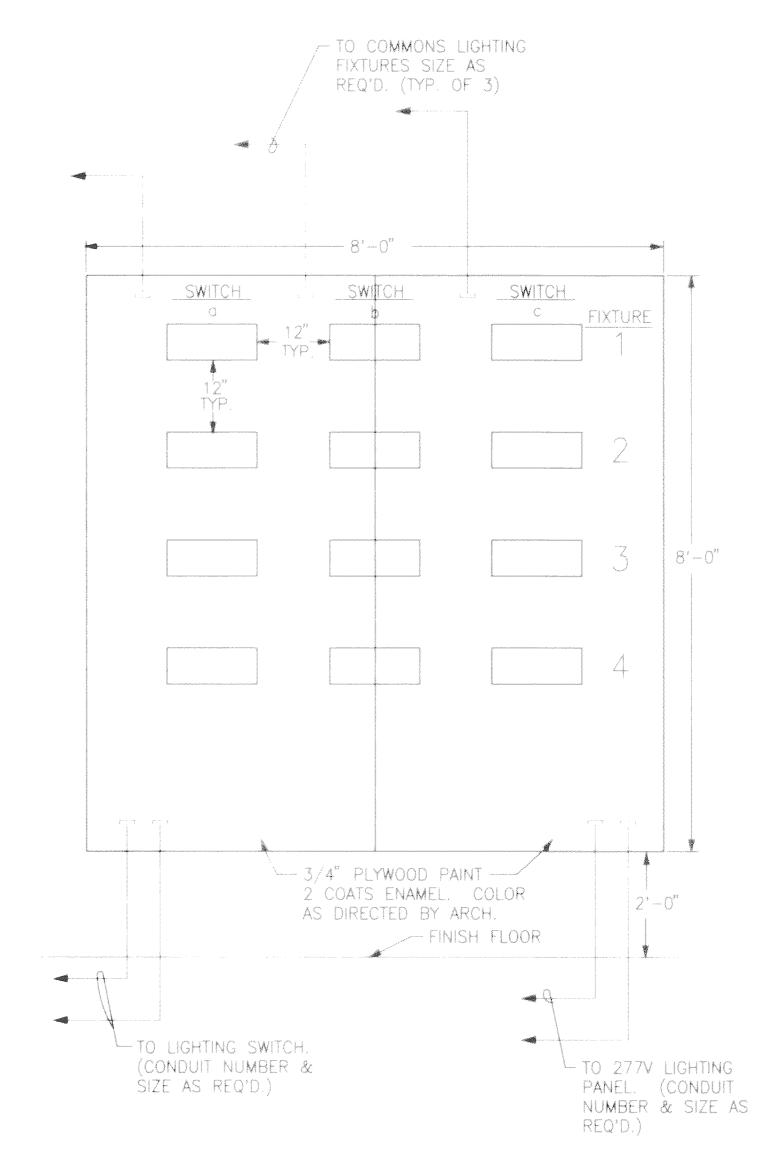
COMM. REV. DRAWN D.M.N DATE 5/1/98

E5.6





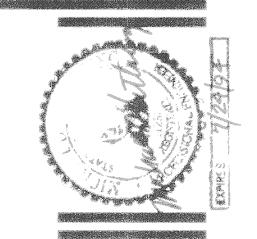
CONCRETE BASE FOR FIXTURES AH-1, AH-2, AH-3 & AH-4 NOT TO SCALE



REMOTE BALLAST MOUNTING DETAIL NOT TO SCALE

NOTES:

- 1) WIRE BALLASTS & SWITCHING PER MANUFACTURERS REQUIREMENTS.
- 2 CONDUIT SIZES & NUMBER OF RUNS SHALL BE AS REQUIRED PER CODE.
- 3 SEE SHT. E3.4 FOR LOCATION.



COMM.
REV.

DRAWN DM.N
DATE 5/1/45

=3.1

