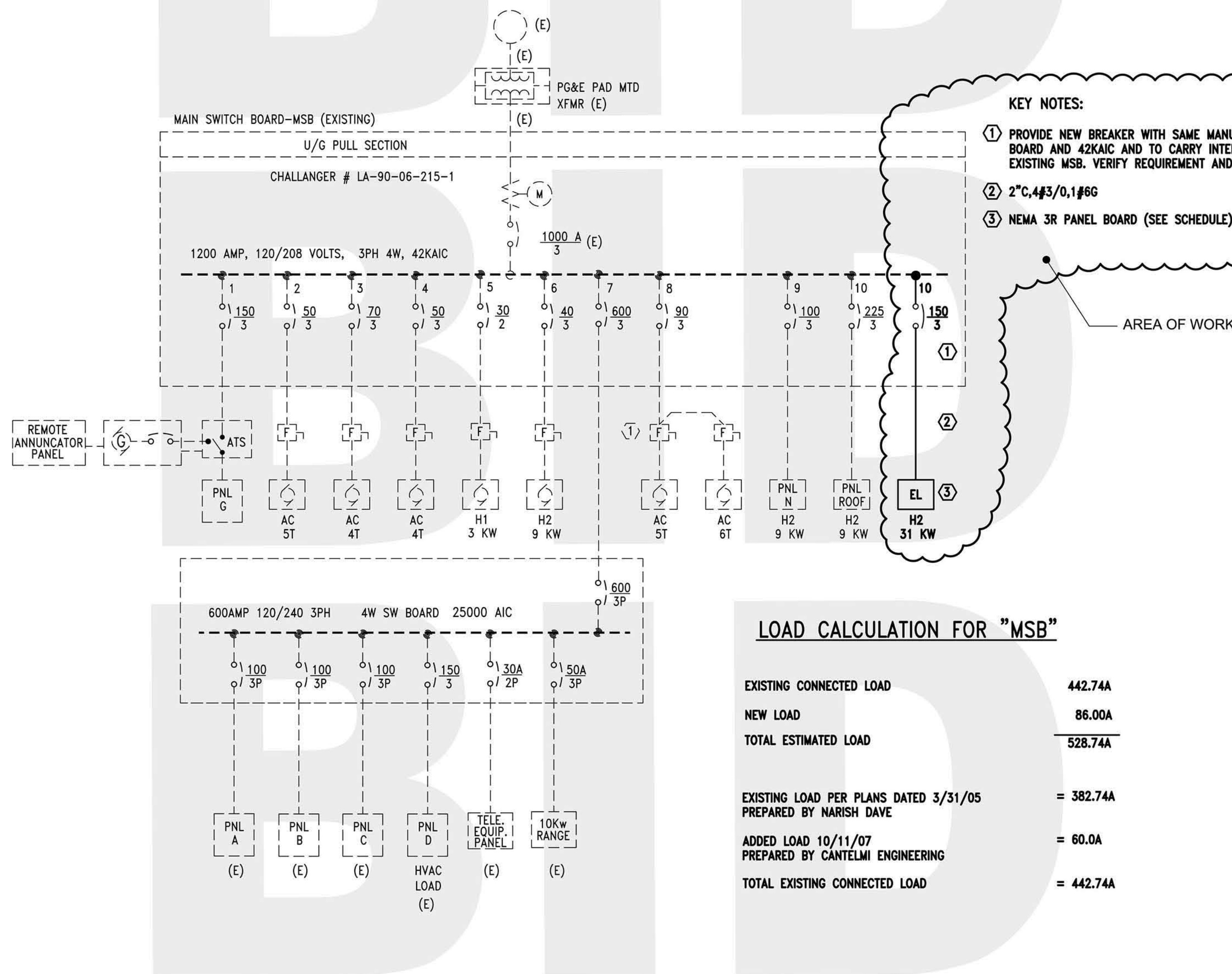


**1ST FLOOR PLAN**  
1/4"=1'-0"

PANEL "EL" NEMA 3R																																		
BUS AMPS 200				MFR. MATCH EXIST				LOC. --				MTG. SURFACE				MAIN AMPS MLO																		
PHASE 3				WIRES 4				VOLTS 120/208V				FEEDER SEE 1-LINE				AT TOP				AIC RATING				VERIFY SERIES										
DESCRIPTION		VOLT-AMPS			OUTLETS			BKR. WIRE			BUS CONNECTION										WIRE			BKR.			OUTLETS			VOLT-AMPS			DESCRIPTION	
		A	B	C	LTG	REC	AMP	AMP	AWG											AWG	AMP	WIRE	REC	LTG	A	B	C							
ELEVATOR		9384						125	1	1					2	12	1	20					200			CAR LIGHTING								
25HP		9384							1	3					4	12	1	20					200			CAR VENTILATION								
↓								3	1	5					6	12	1	20					200			CONV RECEPT								
AC UNIT		925						15	10	7					8	12	1	20																
↓								2	10	9					10	12	1	20																
LTG/PIT GFI		925							10	12					12	12	1	20																
									20	11					13	12	1	20																
									20	12					14	12	1	20																
									20	13					15	12	1	20																
									20	15					16	12	1	20																
									20	17					18	12	1	20																
CONNECTED LOAD		10320	10320	9724																	200	200	200			CONNECTED LOAD								
LOAD DATA BY PHASE										DEMAND CALCULATIONS																								
PHASE A VOLT-AMPS : 10520 VA																																		
PHASE B VOLT-AMPS : 10520 VA																																		
PHASE C VOLT-AMPS : 9924 VA																																		
TOTAL DEMAND AMPS = 30964 VOLTS-AMPS ÷ (√3 * PHASE VOLTAGE 208 VOLTS) = 86 AMPS																																		



**LOAD CALCULATION FOR "MSB"**

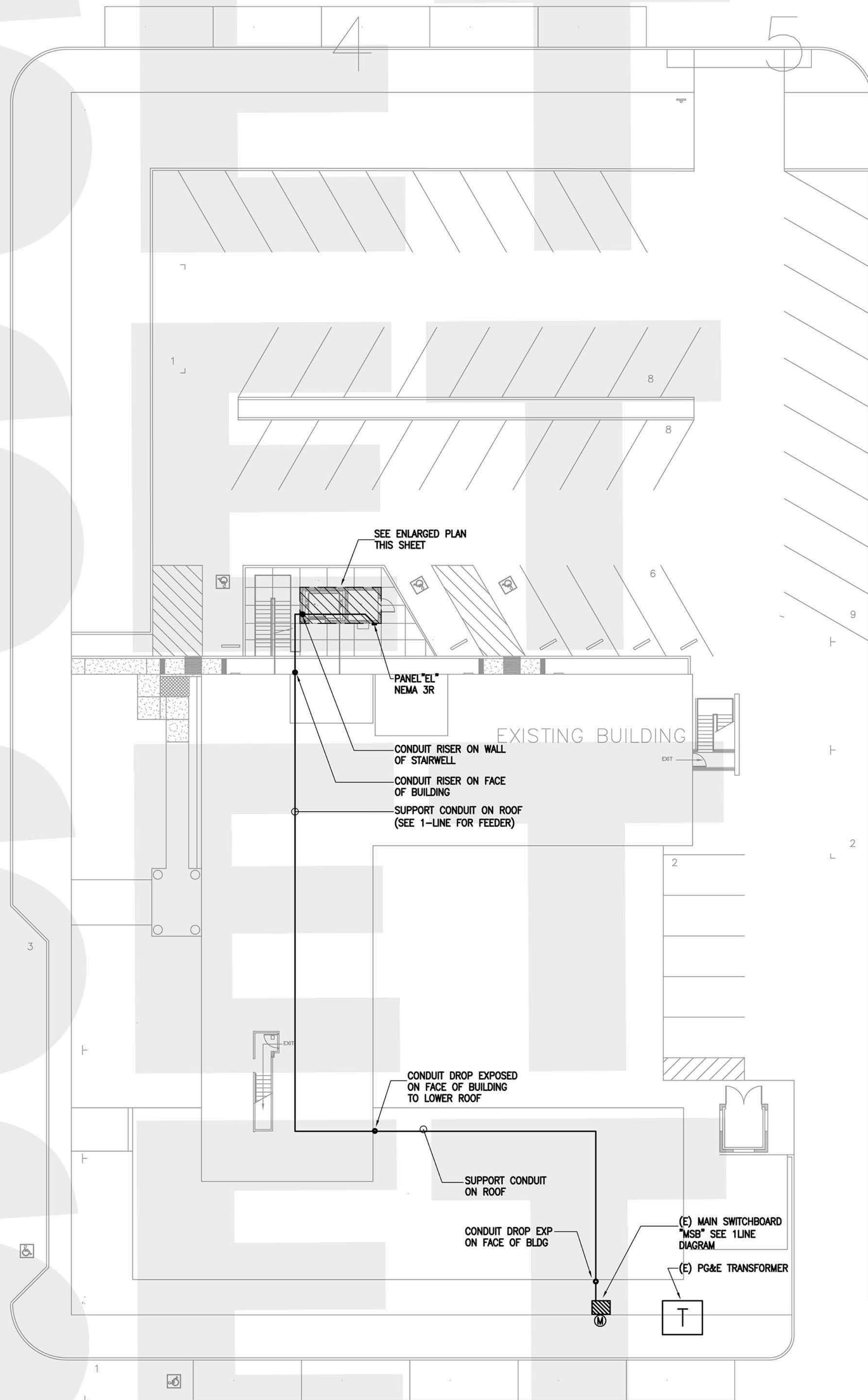
EXISTING CONNECTED LOAD	442.74A
NEW LOAD	86.00A
TOTAL ESTIMATED LOAD	528.74A
EXISTING LOAD PER PLANS DATED 3/31/05 PREPARED BY NARISH DAVE	= 382.74A
ADDED LOAD 10/11/07 PREPARED BY CANTELM ENGINEERING	= 60.0A
TOTAL EXISTING CONNECTED LOAD	= 442.74A

**ELECTRICAL SITE PLAN**

NTS

**NOTES: CONDUIT ROUTING**

- 1) ELECTRICAL CONTRACTOR SHALL FIELD VERIFY CONDUIT ROUTING PRIOR TO BLDG
- 2) FINAL CONDUIT ROUTING TO BE APPROVED PRIOR TO START OF WORK
- 3) SUPPORT & SECURE CONDUIT SYSTEM PER LATEST NEC
- 4) ALL EXPOSED CONDUIT & FITTINGS TO BE PAINTED PER ARCHITECT



ELEVATOR BUILDING ADDITION  
FOR:  
AJITPAL TIWANA M.D.

2700 'F' STREET  
BAKERSFIELD,  
CALIFORNIA  
93301

**NOT FOR CONSTRUCTION**



SHEET IDENTIFICATION NUMBER

**E-2**

SHEET OF