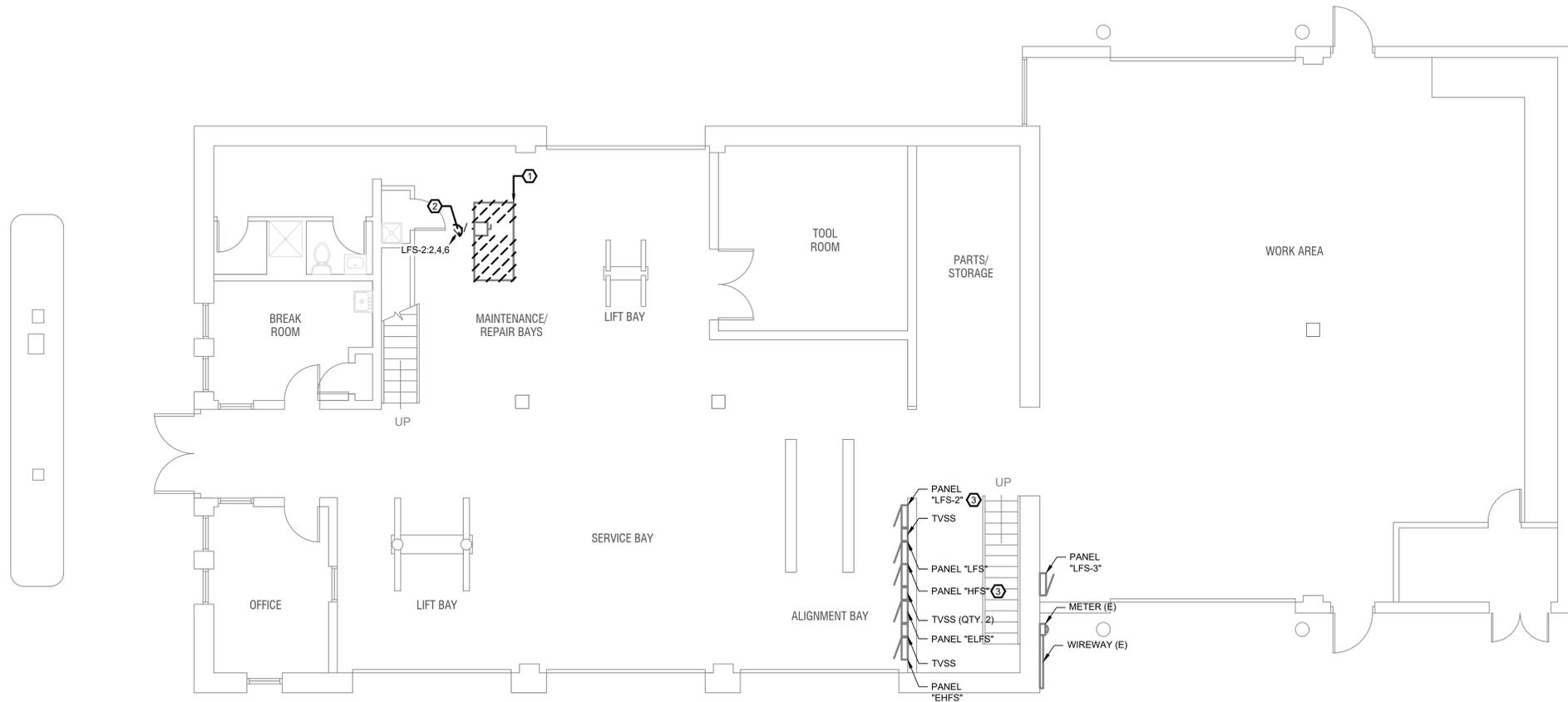


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FIRST FLOOR POWER DEMOLITION PLAN
 SCALE: 3/16" = 1'-0"



51EC INC.
 2960 NORTH ACADEMY BLVD, SUITE 101
 COLORADO SPRINGS, CO 80917
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**MECHANICAL UPGRADES
 FLEET SERVICES
 2747 E. LAS VEGAS ST
 COLORADO SPRINGS, CO 80906**

REV	DESCRIPTION	DRAWN	CHECK	APPR	DATE

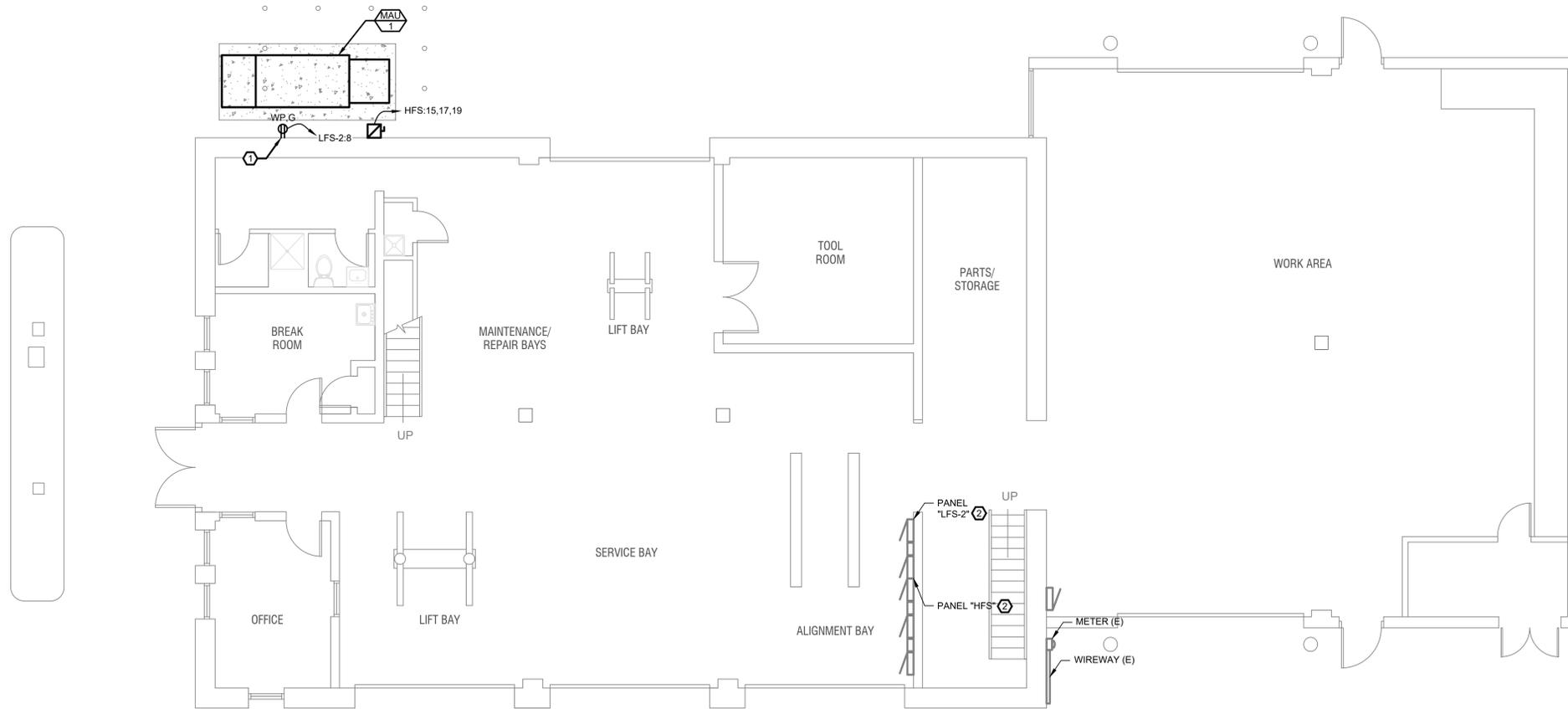
GENERAL NOTES:
 EXISTING CONDITIONS HAVE BEEN COMPLETED TO THE BEST OF THE ENGINEER'S ABILITY. SHOULD EXISTING CONDITIONS DIFFER FROM LAYOUT SHOWN, CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ENGINEER TO ADDRESS ANY DISCREPANCIES.

DEMOLITION KEY NOTES:

- ① EXISTING MAKE UP AIR UNIT TO BE REMOVED BY OTHERS.
- ② CONTRACTOR TO REMOVE BRANCH CIRCUIT AND CONDUIT IN ITS ENTIRETY BACK TO SOURCE PANEL.
- ③ SEE SHEET E-602 FOR MODIFICATIONS AND ADDITIONS TO EXISTING PANEL(S).

ISSUANCE: ISSUED FOR PERMIT
CLIENT: EL PASO COUNTY FACILITIES AND STRATEGIC INFRASTRUCTURE MANAGEMENT SERVICES
ARCHITECT:
PROJECT NO: 5156-22-05
TITLE: FIRST FLOOR POWER DEMOLITION PLAN
SHEET NO: ED-P-101

PLOT DATE: 03/14/23 11:38 AM
 BR: CHRIS WISERDM
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FIRST FLOOR POWER NEW WORK PLAN
 SCALE: 3/16" = 1'-0"



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MECHANICAL UPGRADES
FLEET SERVICES
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GENERAL NOTES:

ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS, CONNECTION TYPES, AND WIRING REQUIREMENTS OF ALL OWNER PROVIDED EQUIPMENT PRIOR TO ROUGH-IN. CONTRACTOR TO NOTIFY ENGINEER ON ANY DIFFERENCES UPON EQUIPMENT DELIVERY THAT DIFFER FROM THESE PLANS.

ALL PIPING PENETRATIONS THROUGH RATED ASSEMBLIES ARE TO BE SEALED AND PROTECTED BY FIRE RESISTANT CAULKING.

SEE SHEET E-602 FOR ADDITIONAL INFORMATION ON MECHANICAL EQUIPMENT AND CONNECTION TYPE(S).

NEW WORK KEY NOTES:

- ① PROVIDE IN-USE, WEATHER PROOF GFCI MAINTENANCE RECEPTACLE PER CODE.
- ② SEE SHEET E-602 FOR ADDITIONS AND MODIFICATIONS TO EXISTING PANEL(S).

ISSUANCE:
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CLIENT:
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 FACILITIES AND STRATEGIC
 INFRASTRUCTURE MANAGEMENT
 SERVICES

ARCHITECT:

PROJECT NO:
 5156-22-05

TITLE:
**FIRST FLOOR
 POWER
 NEW WORK PLAN**

SHEET NO:
E-P-101

PANEL SCHEDULE - "HFS"

R/E/N TYPE MOUNT PHASE WIRE L-N L-L RATED FEED FROM	EXISTING NEMA 1 SURFACE	NOTE: EXISTING PANEL TO REMAIN. CONTRACTOR TO REPLACE MAIN BREAKER WITH 200A MCB. NEW MAIN BREAKER TO BE COMPATIBLE WITH EXISTING PANEL MAKE AND MODEL. EXISTING PANEL IS RATED FOR 225A MAXIMUM. CONTRACTOR TO VERIFY INCOMING FEEDER SIZE IS PER SHEET ED-701.	MAIN CIRCUIT MCB/PANEL RATING	200A AIC	AMPS								
4	1	LIGHTS	1	20	1000	A	1810	20	1	LIGHTS	2		4
4	3	LIGHTS	1	20	760	B	1290	20	1	LIGHTS	4		4
4	5	LIGHTS	1	20	820	C	1290	20	1	LIGHTS	6		4
4	7	EXTERIOR LIGHTS	1	20	720	A	500				8		
4	9	PANEL "LFS-2"	3	60	15000	B	500		15	3	SUPPLY FAN 1	10	4
4	11		15000	C	500						12		
4	13		15000	A	500						14		
6	#12	MAU-1	3	15	831	B	500		15	3	MISC	16	4
6	17		831	C	500						18		
6	19		831	A	0						20		
4	21	SPACE	1		0	B	0		40	3	TVSS	22	4
4	23	SPACE	1		0	C	0				24		
4	25	SPACE	1		5000	A	0			1	SPACE	26	
4	27	TOOL ROOM HEATER	3	30	5000	B	0			1	SPACE	28	
4	29	SPACE	1		5000	C	0			1	SPACE	30	
4	31	SPACE	1		1553	A	0			1	DO NOT USE	32	
4	33	DOOR OPENERS	3	15	1553	B	0			1	SPACE	34	
4	35	SPACE	1		1553	C	0			1	SPACE	36	
4	37	AIR COMPRESSOR	3	30	3880	A	15000				38		
4	39		3880	B	15000						40		
4	41		3880	C	15000						42		

PANEL SCHEDULE - "LFS-2"

R/E/N TYPE MOUNT PHASE WIRE L-N L-L RATED FEED FROM	EXISTING NEMA 1 SURFACE	MAIN CIRCUIT MCB/PANEL RATING	125A AIC	AMPS									
4	1	SOUTHEAST AUTO LIFT	2	30	2496	A	0				2		
4	3	SPACE	1		2496	B	0				4		
4	5	SELF REC	1	20	1920	C	0		30	3	SPACE	6	6
4	7	PANEL "LFS-3"	3	60	5757	A	180		20	1	MAU1 MANT REC	8	#12 7
4	9		5757	B	1664						10		
4	11		5757	C	1664						12		
4	13	ROTARY LIFT	2	30	2496	A	0			1	SPACE	14	
4	15	SPACE	1		2496	B	0			1	SPACE	16	
4	17	OUTLET SIDE OF PNL	1	20	1920	C	0			1	SPACE	18	
4	19	SPACE	1		0	A	0			1	SPACE	20	
4	21	SPACE	1		0	B	0			1	SPACE	22	
4	23	SPACE	1		0	C	0			1	SPACE	24	
4	25	SPACE	1		0	A	0			1	SPACE	26	
4	27	SPACE	1		0	B	0			1	SPACE	28	
4	29	SPACE	1		0	C	0			1	SPACE	30	
4	31	SPACE	1		0	A	0			1	SPACE	32	
4	33	SPACE	1		0	B	0			1	SPACE	34	
4	35	SPACE	1		0	C	0			1	SPACE	36	
4	37	SPACE	1		0	A	0			1	SPACE	38	
4	39	SPACE	1		0	B	0			1	SPACE	40	
4	41	SPACE	1		0	C	0			1	SPACE	42	

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MFR	MODEL #	QTY	VOLTS / Ø	MCA	MOCP	WIRE	DISC.	FUSE SIZE	TYPE	NOTES
MAU-1	GROUND MOUNTED MAKE-UP AIR UNIT	MODINE	HBP300MRHN90F3E E2GDADO	1	460V / 3Ø	5.5A	20A	#12	20A	20A	NEMA3R	1

NOTES:

1 PROVIDE BUSMAN CLASS RKS, DUAL ELEMENT TIME-DELAY FUSE FRS-R (OR APPROVED EQUAL). LET-THROUGH CURRENT AT 15,000AIC AVAILABLE IS LESS THAN 2,000AIC PER VENDOR INFORMATION. THE MECHANICAL EQUIPMENT IS SPECIFIED TO HAVE A SCCR RATING OF NO LESS THAN 5,000AIC. SEE SHEET ED-701 FOR ADDITIONAL INFORMATION.

LOAD SUMMARY

CONNECTED LOAD	
EXISTING PANEL "HFS"	= 138,289VA (167A @ 480V, 3-PHASE)
ADDED LOAD "MAU-1"	= 2,493VA (3.13A @ 480V, 3-PHASE)
NEW TOTAL LOAD AT PANEL "HFS"	= 140,782VA (170A @ 480V, 3-PHASE)
TOTAL LOAD ADDED TO PANEL "HFS" IS 3A. EXISTING PANEL "HFS" AND ITS FEEDERS ARE RATED AT 200A. TOTAL NEW LOAD ON PANEL "HFS" IS 170A	
5% LOAD INCREASE IS ALLOWED PER BUILDING DEPARTMENT STANDARDS. THEREFORE, PER ALLOWABLE INCREASE ON THE EXISTING 200A, 120/208V, 3-PHASE PANEL "LFS-2" IS 10A (OR 3,598VA). THE TOTAL LOAD ADDED TO THE EXISTING PANEL "LFS-2" IS 180VA (OR .5A @ 120/208V, 3-PHASE) WHICH IS AND INCREASE OF .25% AND IS LESS THAN THE ALLOWABLE LIMIT PER THE BUILDING DEPARTMENT.	
EXISTING PANEL "HFS"	= 140,782VA (170A @ 480V, 3-PHASE)
EXISTING PANEL "EHFS"	= 24,912VA (30A @ 480V, 3-PHASE)
TOTAL LOAD AT EXISTING WIREWAY	= 165,694VA (199A @ 480V, 3-PHASE)
THERE IS NO RATING SPECIFIED FOR THE EXISTING WIREWAY. THE EXISTING SERVICE FEEDERS ARE RATED FOR 230A	



51EC INC.

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MECHANICAL UPGRADES
 FLEET SERVICES
 2747 E. LAS VEGAS ST
 COLORADO SPRINGS, CO 80906

REV	DESCRIPTION	DRAWN	CHECK	APPR	DATE

ISSUANCE:
ISSUED FOR PERMIT

CLIENT:
 EL PASO COUNTY
 FACILITIES AND STRATEGIC
 INFRASTRUCTURE MANAGEMENT
 SERVICES

ARCHITECT:

PROJECT NO:
 5156-22-05

TITLE:
**PANEL
 SCHEDULES
 AND
 CALCULATIONS**

SHEET NO:
E-602

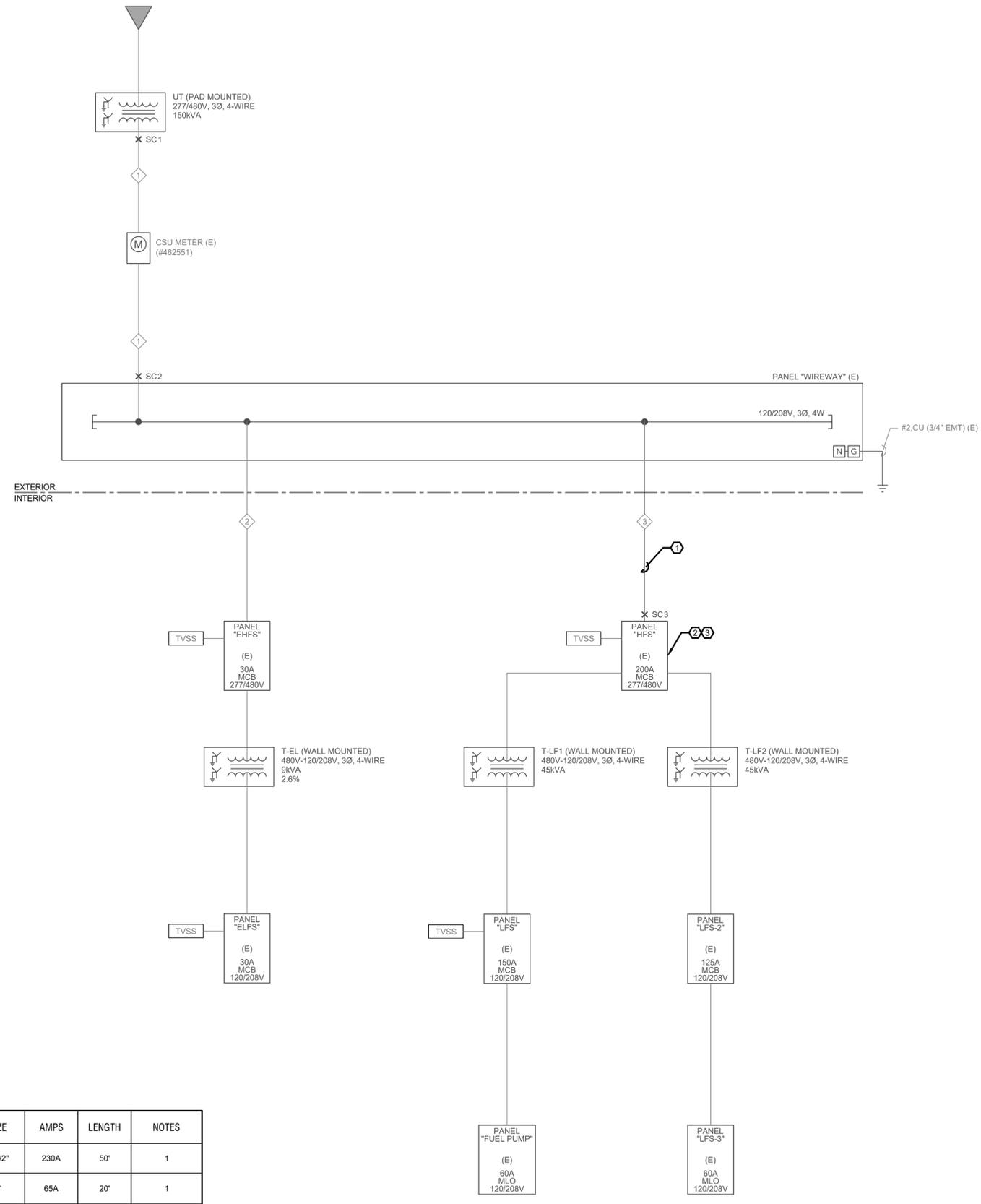


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MECHANICAL UPGRADES
FLEET SERVICES
 2747 E. LAS VEGAS ST
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EXISTING SINGLE-LINE DIAGRAM

CALCULATED SHORT VALUES			
ID	S.C.A. (SHORT-CIRCUIT CURRENT)	A.I.C. RATING (AMPERE INTERRUPTION CURRENT)	S.C.C.R. (SHORT-CIRCUIT CURRENT RATING)
SC1	15,100A	N/A	N/A
SC2	12,796A	N/A	N/A
SC3	11,959A	14,000A	N/A
MAU-1	11,959A	2,000A *	5,000A **

NOTE* - PROVIDE BUSMAN CLASS RKS, DUAL ELEMENT TIME-DELAY FUSE FR5-R (OR APPROVED EQUAL). LET-THROUGH CURRENT AT 15,000AIC AVAILABLE IS LESS THAN 2,000AIC PER VENDOR INFORMATION. THE VALUE SHOWN ON TABLE IS LET-THROUGH CURRENT PER AVAILABLE SHORT CIRCUIT CURRENT AVAILABLE PER VENDOR INFORMATION.

NOTE** - RATING SHOWN ON CHART IS MINIMUM EQUIPMENT SCCR RATING.

FEEDER SCHEDULE

ID	SETS OF CONDUCTORS	CONDUCTOR SIZE	TYPE	GROUND	TYPE	CONDUIT	SIZE	AMPS	LENGTH	NOTES
1	1	4 - #4/0	CU	N/A	N/A	RMC	2-1/2"	230A	50'	1
2	1	4 - #6	CU	N/A	N/A	RMC	1"	65A	20'	1
3	1	4 - #3/0	CU	N/A	N/A	RMC	2"	200A	20'	1

NOTES:

1	EXISTING CONDUIT AND FEEDERS HAVE BEEN COMPLETED TO THE BEST OF THE ENGINEER'S ABILITY. SHOULD EXISTING CONDITIONS DIFFER FROM DIAGRAM SHOWN, CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ENGINEER TO ADDRESS ANY DISCREPANCIES.
2	
3	

GENERAL NOTES:

EXISTING CONDUIT AND FEEDERS HAVE BEEN COMPLETED TO THE BEST OF THE ENGINEER'S ABILITY. SHOULD EXISTING CONDITIONS DIFFER FROM DIAGRAM SHOWN, CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ENGINEER TO ADDRESS ANY DISCREPANCIES.

CONTRACTOR TO ENSURE ALL EXISTING GROUNDING IS CONTINUOUS AND INSTALLED PER NEC 250.

DEMOLITION KEY NOTES:

- ① CONTRACTOR TO CONFIRM AND VERIFY EXISTING FEEDER INTO PANEL "HFS" IS PER SIZE SHOWN ON FEEDER SCHEDULE. NOTIFY ENGINEERING AND OWNER IMMEDIATELY IF FEEDER IS NOT PER THE EXISTING DRAWING INFORMATION AND FEEDER SCHEDULE.
- ② EXISTING PANEL IS RATED FOR SERVICE ENTRANCE AND MAXIMUM RATING IS 225A.
- ③ CONTRACTOR TO REMOVE EXISTING 125A MAIN BREAKER AND REPLACE WITH A NEW 200A MAIN BREAKER. NEW BREAKER TO BE COMPATIBLE WITH EXISTING PANEL MAKE AND MODEL.

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ISSUANCE:
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CLIENT:
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 FACILITIES AND STRATEGIC
 INFRASTRUCTURE MANAGEMENT
 SERVICES

ARCHITECT:

PROJECT NO:
 5156-22-05

TITLE:
**EXISTING
 SINGLE-LINE
 DIAGRAM**

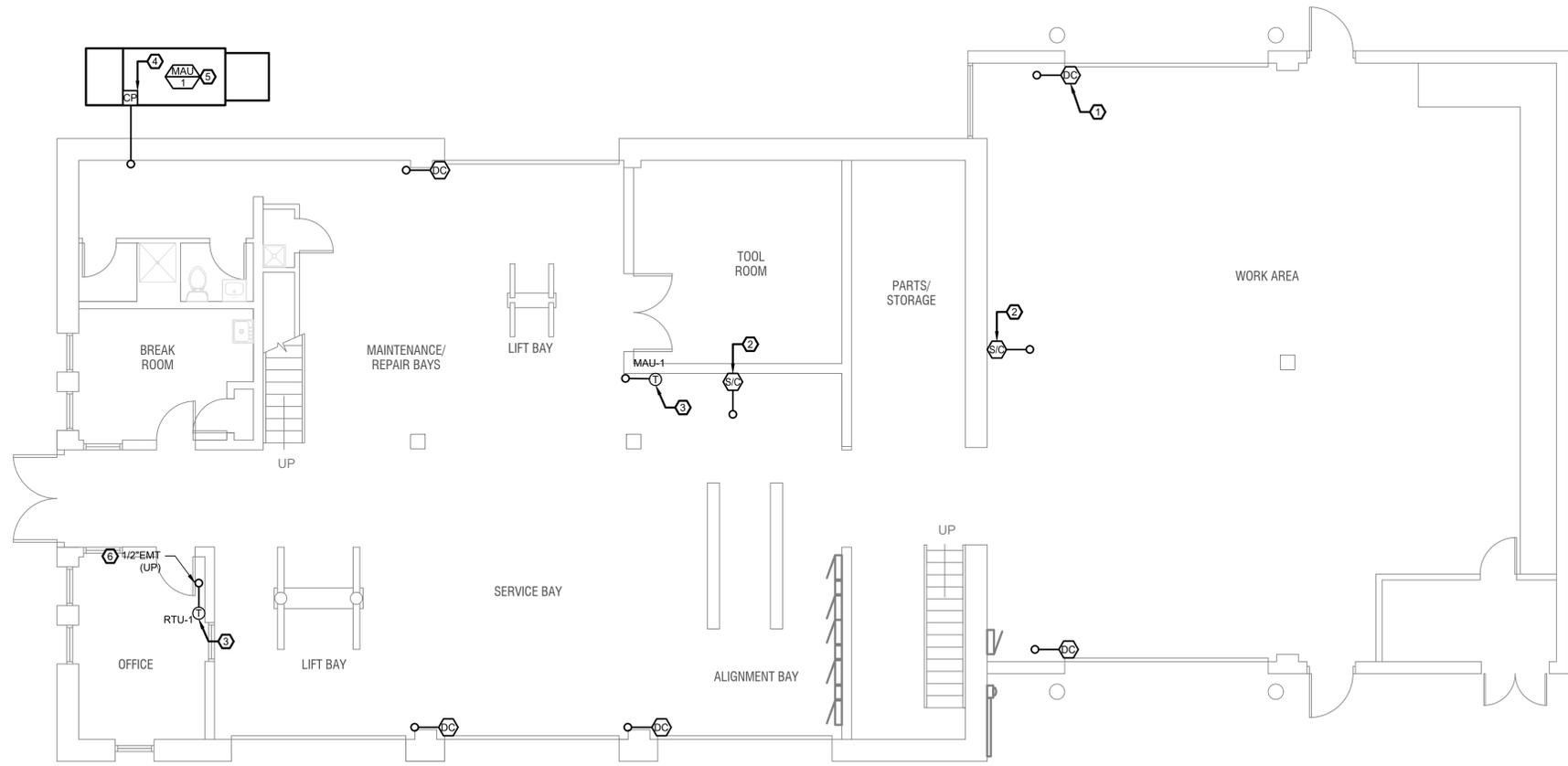
SHEET NO:
ED-701

GENERAL NOTES:

- ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS, CONNECTION TYPES, AND WIRING REQUIREMENTS OF ALL OWNER PROVIDED EQUIPMENT PRIOR TO ROUGH-IN. CONTRACTOR TO NOTIFY ENGINEER ON ANY DIFFERENCES UPON EQUIPMENT DELIVERY THAT DIFFER FROM THESE PLANS.
- ALL PIPING PENETRATIONS THROUGH RATED ASSEMBLIES ARE TO BE SEALED AND PROTECTED BY FIRE RESISTANT CAULKING.
- THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH CONTROLS ENGINEER/DESIGNER DRAWINGS.
- ALL CONTROLS DEVICES ARE GENERIC AND DESCRIBE FUNCTIONALITY ONLY.
- CONTROL WIRING IS INSTALL AND SPECIFIED BY CONTROLS CONTRACTOR.
- 120V POWER TO BE INSTALLED BY ELECTRICAL CONTRACTOR.
- LOW-VOLTAGE CABLE (BELOW 120V) TO BE INSTALLED AND TERMINATED BY LOW-VOLTAGE AND/OR CONTROLS CONTRACTOR.
- CONTROL WIRING AND POWER WIRING (120V AND HIGHER) SHALL NOT BE RUN IN THE SAME CONDUIT.
- CONDUIT TO BE INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE ALL FINAL CONDUIT RUNS WITH FINAL LOCATION OF CONTROLS DEVICES WITH CONTROLS CONTRACTOR PRIOR TO FINAL INSTALLATION OF CONDUIT AND/OR JUNCTION BOX.
- ALL CONDUIT SHOWN ON PLANS IS TO BE BLUE IN COLOR (PAINTING IS NOT ACCEPTABLE).
- SEE SHEET E-C-101.U FOR CONTROLS HEAD IN EQUIPMENT AND CONTINUATION OF CONDUIT.

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**MECHANICAL UPGRADES
 FLEET SERVICES
 2747 E. LAS VEGAS ST
 COLORADO SPRINGS, CO 80906**



NEW CONTROLS WORK KEY NOTES:

- ① CONTROLS CONTRACTOR TO INSTALL DOOR POSITION CONTRACTOR AT BOTTOM OF OVERHEAD DOOR. SIGNAL AND WIRING SHALL BE DIGITAL AND SHALL REGISTER AS "DOOR CLOSED". DEVICE SHALL FAIL TO ALARM. (TYPICAL OF 5)
- ② CONTROLS CONTRACTOR TO INSTALL CO2/NO2 DETECTOR(S) NEAR FLOOR LEVEL. MOUNT AT HEIGHTS PER MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS. SIGNAL WIRING SHALL BE ANALOG AND SHALL REGISTER AT LOW-ALARM, ALARM AND HIGH ALARM. DEVICES SHALL FAIL TO ALARM.
- ③ CONTROL CONTRACTOR TO BLANK OFF T-STAT FOR RTU-1 AND MAU-1. EQUIPMENT SHALL NOT BE OPERATED BY T-STATS OPERATION OF EQUIPMENT SHALL ONLY BE BY FACILITIES AND CONTROL EQUIPMENT AT TIMES AND PARAMETERS SET BY CLIENT/OWNER.
- ④ CONTROLLER FOR MAU-1 IS INCLUDED WITH UNIT. SEE MANUFACTURERS OPERATION MANUAL FOR ADDITIONAL INFORMATION.
- ⑤ MAU-1 IS HEATING AND COOLING. EQUIPMENT SHALL OPERATE PER OWNERS/CLIENTS SPECIFIED PARAMETERS. MAU-1 SHALL OPERATE ON 100% OUTSIDE AIR CAPABILITY IF MID AND/OR HIGH ALARM ON CO2/NO2 SENSOR. MAU-1 SHALL NOT OPERATE ON ANY OVERHEAD DOOR BEING STATUS "DOOR OPEN" FOR AN EXTENDED PERIOD OF TIME.
- ⑥ ALL SYMBOLS DESIGNATE CONDUIT UP UNLESS NOTED OTHERWISE. SEE SHEET E-101.U FOR CONTINUATION.

REV	DESCRIPTION	DRAWN	CHECK	APPR	DATE

ISSUANCE:
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CLIENT:
 EL PASO COUNTY
 FACILITIES AND STRATEGIC
 INFRASTRUCTURE MANAGEMENT
 SERVICES

ARCHITECT:

PROJECT NO:
 5156-22-05

TITLE:
**MAIN FLOOR
 CONTROLS NEW
 WORK PLAN**

SHEET NO:
E-C-101.L

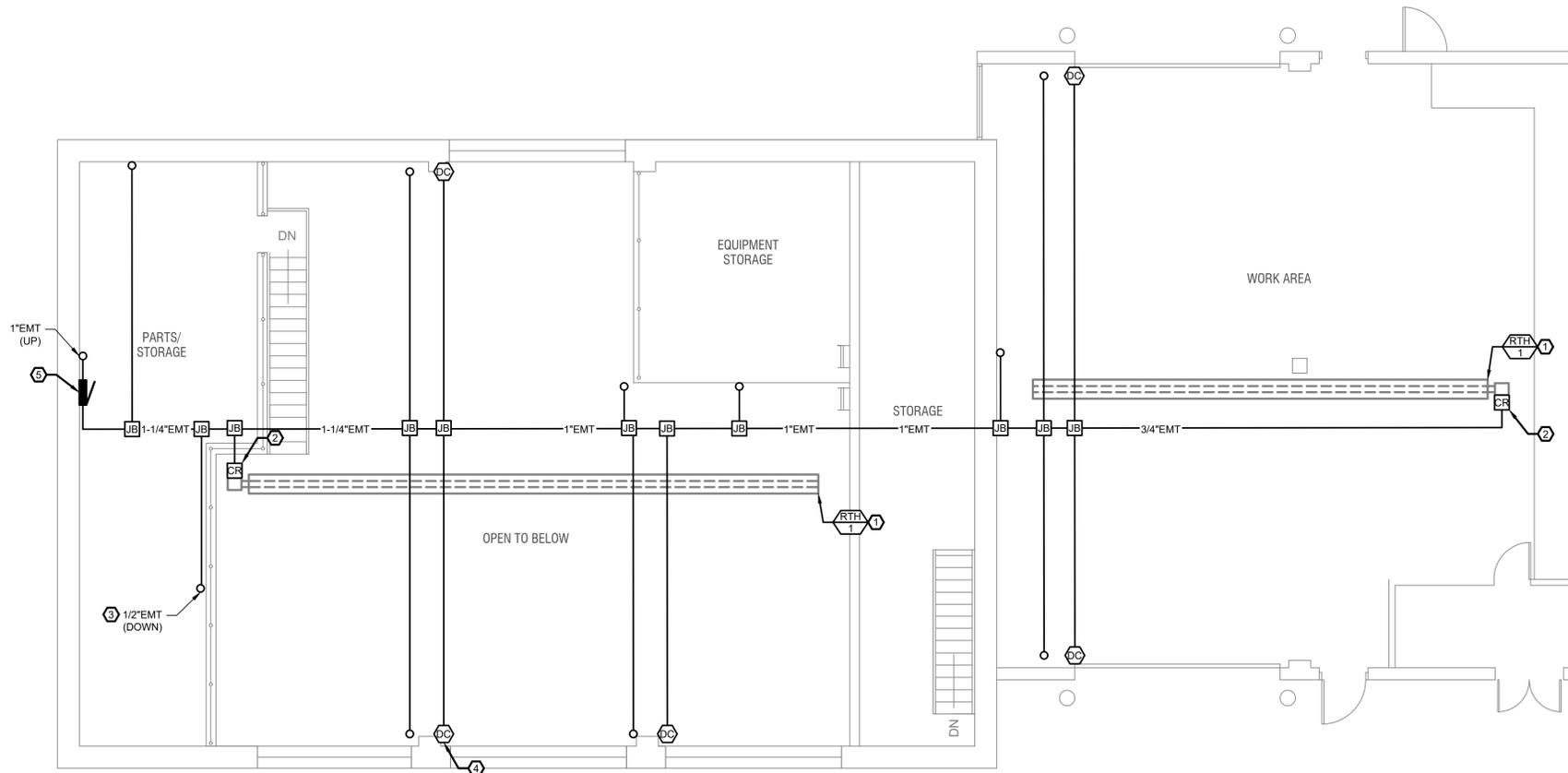
MAIN FLOOR POWER NEW WORK PLAN
 SCALE: 3/16" = 1'-0"

GENERAL NOTES:

- ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS, CONNECTION TYPES, AND WIRING REQUIREMENTS OF ALL OWNER PROVIDED EQUIPMENT PRIOR TO ROUGH-IN. CONTRACTOR TO NOTIFY ENGINEER ON ANY DIFFERENCES UPON EQUIPMENT DELIVERY THAT DIFFER FROM THESE PLANS.
- ALL PIPING PENETRATIONS THROUGH RATED ASSEMBLIES ARE TO BE SEALED AND PROTECTED BY FIRE RESISTANT CAULKING.
- THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH CONTROLS ENGINEER/DESIGNER DRAWINGS.
- ALL CONTROLS DEVICES ARE GENERIC AND DESCRIBE FUNCTIONALITY ONLY.
- CONTROL WIRING IS INSTALL AND SPECIFIED BY CONTROLS CONTRACTOR.
- 120V POWER TO BE INSTALLED BY ELECTRICAL CONTRACTOR.
- LOW-VOLTAGE CABLE (BELOW 120V) TO BE INSTALLED AND TERMINATED BY LOW-VOLTAGE AND/OR CONTROLS CONTRACTOR.
- CONTROL WIRING AND POWER WIRING (120V AND HIGHER) SHALL NOT BE RUN IN THE SAME CONDUIT.
- CONDUIT TO BE INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE ALL FINAL CONDUIT RUNS WITH FINAL LOCATION OF CONTROLS DEVICES WITH CONTROLS CONTRACTOR PRIOR TO FINAL INSTALLATION OF CONDUIT AND/OR JUNCTION BOX.
- ALL CONDUIT SHOWN ON PLANS IS TO BE BLUE IN COLOR (PAINTING IS NOT ACCEPTABLE).
- SEE SHEET(S) E-C-101.L AND E-C-101.R FOR ADDITIONAL CONTROL EQUIPMENT AND CONDUIT.

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**MECHANICAL UPGRADES
FLEET SERVICES
2747 E. LAS VEGAS ST
COLORADO SPRINGS, CO 80906**



NEW CONTROLS WORK KEY NOTES:

- ① SEQUENCE OF OPERATIONS SHALL BE RADIANT TUBE HEATERS SHALL BE PREHEATING TIMES (PRIOR TO MAU-1 OPERATION). HEATERS SHALL NOT OPERATE AT SAME TIME AS MAU-1 UNLESS TEMPERATURE REGISTERS BELOW LOW SET POINT AND MAU-1 IS RUNNING IN HEATING MODE.
- ② CONTROLS CONTRACTOR TO INSTALL CONTROL RELAY MODULE ON TUBE RADIANT HEATER. MODULE AND WIRING SHALL BE DIGITAL SIGNAL (ON/OFF) AND SHALL FAIL TO ALARM.
- ③ ALL SYMBOLS DESIGNATE 1/2" EMT DOWN UNLESS NOTED OTHERWISE.
- ④ CONTROLS CONTRACTOR TO INSTALL DOOR POSITION CONTRACTOR AT TOP OF OVERHEAD DOOR. SIGNAL AND WIRING SHALL BE DIGITAL AND SHALL REGISTER AS "DOOR OPEN". DEVICE SHALL FAIL TO ALARM. (TYPICAL OF 5)
- ⑤ CONTROL CONTRACTOR TO REUSE EXISTING BAS PANEL. DISCONNECT AND RETAIN 120V CIRCUIT FOR RECONNECTION TO NEW CONTROLLER. INSTALL NEW CLASS TWO TRANSFORMER PANEL.

REV	DESCRIPTION	DRAWN	CHECK	APPR	DATE

ISSUANCE:
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CLIENT:
EL PASO COUNTY FACILITIES AND STRATEGIC INFRASTRUCTURE MANAGEMENT SERVICES
ARCHITECT:
PROJECT NO:
5156-22-05
TITLE:
UPPER FLOOR CONTROLS NEW WORK PLAN
SHEET NO:
E-C-101.U

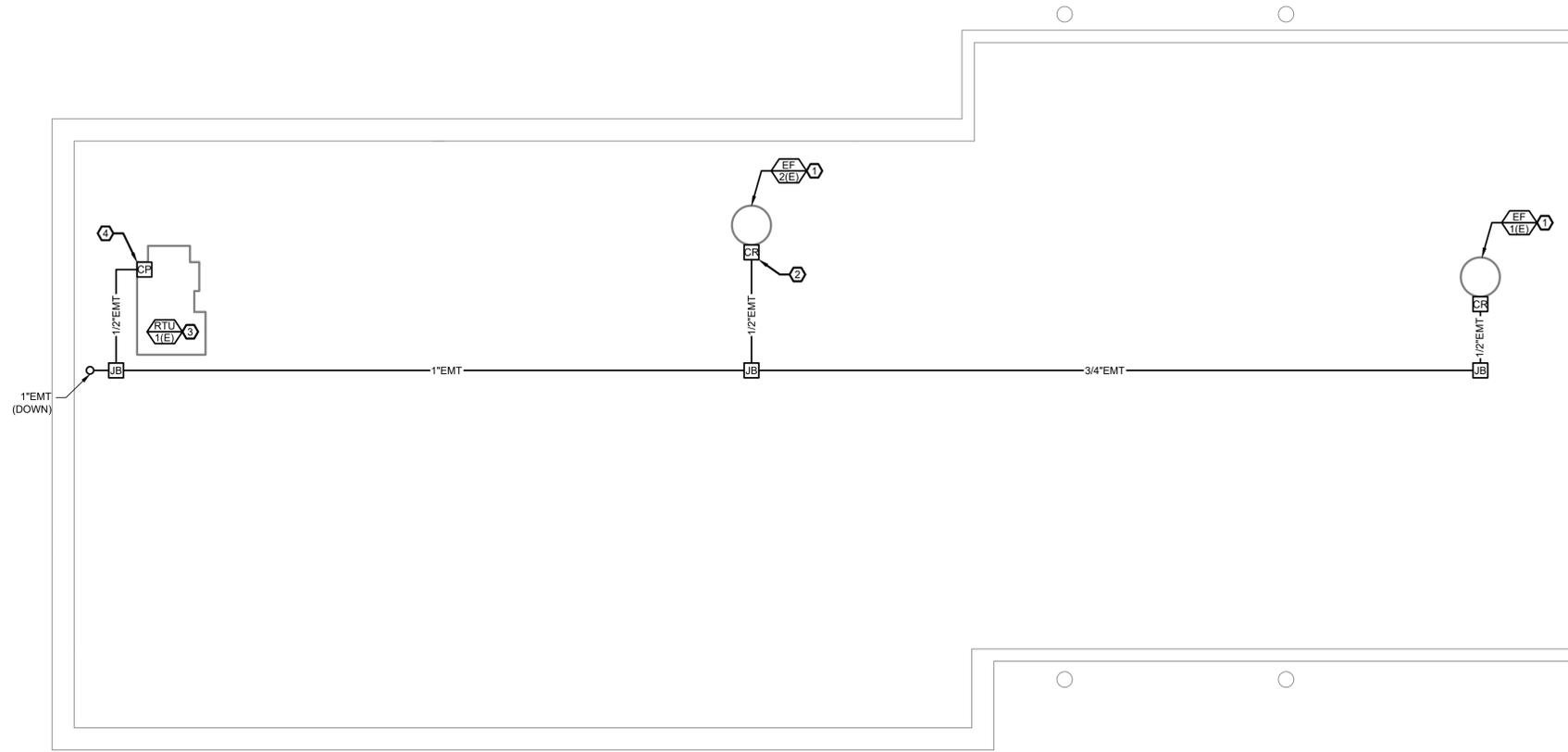
UPPER FLOOR POWER NEW WORK PLAN
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

- ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS, CONNECTION TYPES, AND WIRING REQUIREMENTS OF ALL OWNER PROVIDED EQUIPMENT PRIOR TO ROUGH-IN. CONTRACTOR TO NOTIFY ENGINEER ON ANY DIFFERENCES UPON EQUIPMENT DELIVERY THAT DIFFER FROM THESE PLANS.
- ALL PIPING PENETRATIONS THROUGH RATED ASSEMBLIES ARE TO BE SEALED AND PROTECTED BY FIRE RESISTANT CAULKING.
- THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH CONTROLS ENGINEER/DESIGNER DRAWINGS.
- ALL CONTROLS DEVICES ARE GENERIC AND DESCRIBE FUNCTIONALITY ONLY.
- CONTROL WIRING IS INSTALL AND SPECIFIED BY CONTROLS CONTRACTOR.
- 120V POWER TO BE INSTALLED BY ELECTRICAL CONTRACTOR.
- LOW-VOLTAGE CABLE (BELOW 120V) TO BE INSTALLED AND TERMINATED BY LOW-VOLTAGE AND/OR CONTROLS CONTRACTOR.
- CONTROL WIRING AND POWER WIRING (120V AND HIGHER) SHALL NOT BE RUN IN THE SAME CONDUIT.
- CONDUIT TO BE INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE ALL FINAL CONDUIT RUNS WITH FINAL LOCATION OF CONTROLS DEVICES WITH CONTROLS CONTRACTOR PRIOR TO FINAL INSTALLATION OF CONDUIT AND/OR JUNCTION BOX.
- ALL CONDUIT SHOWN ON PLANS IS TO BE BLUE IN COLOR (PAINTING IS NOT ACCEPTABLE).
- SEE SHEET E-C-101.U FOR CONTROLS HEAD IN EQUIPMENT AND CONTINUATION OF CONDUIT.

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MECHANICAL UPGRADES
 FLEET SERVICES
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 COLORADO SPRINGS, CO 80906



NEW WORK KEY NOTES:

- ① SEQUENCE OF OPERATIONS OF EXHAUST FAN SHALL BE DURING HOURS OF OPERATION (DAYS OF THE WEEK, TIME, ETC) PARAMETERS SHALL BE SET BY OWNER/CLIENT. EXHAUST FANS SHALL ALSO OPERATE ON ANY ALARM OF CARBON DIOXIDE DETECTORS (SEE SHEET E-C-101.L).
- ② EXISTING EXHAUST FANS HAVE TOGGLE ON/OFF SWITCH. CONTROLS CONTRACTOR TO INSTALL CONTROL RELAY MODULE ON LOAD SIDE OF DISCONNECT SWITCH. MODULE AND WIRING SHALL BE DIGITAL SIGNAL (ON/OFF) AND SHALL FAIL TO ALARM. (TYPICAL OF 2)
- ③ SEQUENCE OF OPERATION SHALL BE A SET HIGH TEMPERATURE AND LOW TEMPERATURE FOR OFFICE AND BREAK ROOM. CONTROLS SYSTEM SHALL OVERRIDE T-STATS (SEE SHEET E-C-101.L) AND MANUAL ADJUSTMENT IS NOT ALLOWED (ONLY ON CONTROL SYSTEM FAILURE).
- ④ CONTROL CONTRACTOR TO INSTALL CONTROL MODULE ON EXISTING ROOF TOP UNIT (CARRIER MODEL #48TF006). CONTROL MODULE SHALL BE CAPABLE OF CONTROLLING COOLING MODE, HEATING MODE, RUNNING AND OFF.

REV	DESCRIPTION	DRAWN	CHECK	APPR	DATE

ISSUANCE:
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CLIENT:
 EL PASO COUNTY
 FACILITIES AND STRATEGIC
 INFRASTRUCTURE MANAGEMENT
 SERVICES

ARCHITECT:

PROJECT NO:
 5156-22-05

TITLE:
**ROOF
 CONTROLS NEW
 WORK PLAN**

SHEET NO:
E-C-101.R

FIRST FLOOR POWER NEW WORK PLAN
 SCALE: 3/16" = 1'-0"