



County of El Paso Purchasing Department
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El Paso, Texas 79901
(915) 546-2048 / Fax: (915) 546-8180
www.epcounty.com

ADDENDA 1

To: All Interested Vendors
From: Oscar Avila, Procurement Data Analyst
Date: May 29, 2019
Subject: Bid 19-020, Construction of Employee Fitness and Wellness Center for the County of El Paso (Re-Bid)

This addenda has been issued to notify vendors of the following:

In accordance with Chapter 2270 of the Texas Government Code, a company, other than a sole proprietorship, with ten or more full time employees is required to certify in writing that it does not boycott Israel and will not boycott Israel during the term of the contract, if the contract has a value of \$100,000 or more.

The following is a recap of the pre-bid conference held on Thursday, May 16, 2019:

1. What does the '(8 hours) per diem wage rate' consist of, what does it mean? Is it per day or per hour?

RESPONSE: Wages listed on the 'per diem' column of the Prevailing Wage Rates are per day.

2. What is the distance for the prevailing wage rate? For example does Las Cruces fall under this?

RESPONSE: Section 2258.021 of the Texas Local Government Code assigns workers on public work contracts for the County the right to be paid the prevailing wage in the "Locality in which the work is performed." Section 2258.001(1)(B) states that "Locality in which the work is performed" means the geographical limits of the political subdivision awarding the contract for a public work. This definition means that the workers on this contract must be

paid the prevailing wage of El Paso County regardless of where they physically report each day.

3. Will certified payroll be required?

RESPONSE: Yes, certified payroll will be required.

4. What are the security measures for entering the building?

RESPONSE: There will need to be coordination with Sheriff Security and Facilities to maintain secure access to the building. Front entrance to building must always remain accessible to the public.

5. Do building entrances have to be ADA compliant?

RESPONSE: Yes, all building entrances must remain ADA compliant.

6. Will workers be required to check in with security every time they are enter the building from any entry point?

RESPONSE: Yes, proper procedures must be followed whenever entering the building. Further coordination can be undertaken if the need arises.

7. How strictly will tools be monitored?

RESPONSE: Strict tool inventory is not a foreseeable procedure. However, varying threat levels may affect security conditions and procedures.

8. What is the approximate time to enter the building and start work, from check-in to work site?

RESPONSE: It will not take long, normal screening time will take a few minutes. Using an on-site drop box and other approved accommodations can be implemented to reduce the time needed to check in.

9. How long will it take to bring in material?

RESPONSE: Further planning and coordination can be undertaken for best time-saving solution.

10. Will the awarded vendor need to work after-hours or overtime?

RESPONSE: It will fall upon the awarded vendor to decide whether overtime work will be required. Minimum of one week notice must be given to the County before any afterhours work can be conducted.

11. Will parking be provided?

RESPONSE: There is no available parking. Parking will need to be coordinated through the vendor's own efforts.

12. Will vendor be responsible for permits for parking?

RESPONSE: Yes, vendor will be responsible for obtaining parking and other necessary permits.

13. Is there a staging area available?

RESPONSE: There is no staging area available. Staging area will need to be coordinated through the vendor's own efforts.

14. Will areas need to be fenced off?

RESPONSE: There will need to be coordination between vendor and City.

15. Do employees need to carry an ID/Badge?

RESPONSE: Yes, vendor employees need to be badged while on County premises.

16. Would a vest with the name company be sufficient?

RESPONSE: Yes, a noticeable logo on a vest is acceptable.

17. Will the awarded vendor need to bring in their own porta-potty?

RESPONSE: Yes, for a large project vendor will need to bring in their own porta-potty for on-site use. Due to security reasons it would be best to reduce the number of building entries/exits.

18. Will there be a sheriff posted on the entrance to the job site?

RESPONSE: Depending on vendor activity an individual from Sheriff's Office or Facilities Department will be stationed to monitor the entrance.

19. Can afterhours work be conducted?

RESPONSE: Work to be done before or after building working hours will need to be coordinated. Minimum of one week notice must be given to the County before any afterhours work can be conducted.

20. What are the County Courthouse working hours?

RESPONSE: Normal operating hours for the Courthouse are 7 a.m.-5 p.m. Monday-Friday.

21. Would there be any issues closing off parts of the sidewalk?

RESPONSE: Closing off the sidewalk would need to be coordinated. There must still be proper routing and accessibility to the Courthouse.

22. Will the vendor be permitted to work in hallways during normal working hours?

RESPONSE: Hallway work will be coordinated on a case-by-case basis. Loud work may disrupt some offices.

23. Are there liquidated damages?

RESPONSE: Liquidated damages are in the sum of \$750.00 for each consecutive calendar day thereafter the agreed upon date of project completion.

24. If work needs to be stopped, will there be prorated days of completion?

RESPONSE: Prorated days will be mitigated on a case-by-case basis.

The Purchasing Department has received the following questions:

1. The solicitation states that there is Telecom/IT work involved but there was no mention of it in the bid. Will there be telecom/IT work on this project?

RESPONSE: Yes, I.T. is required in this project. I.T. requirements are included in the electrical drawings.

2. The plans call for electrical work but the drawings seem to be missing. Will the plans be made available?

RESPONSE: Yes, electrical drawings E.0 Electrical Legend, E1.1 Overall Electrical Plan, E2.1 Enlarged Floor Plan, E2.2 Electrical Plans, and E3.1 Overall HVAC Equipment Plan attached.

ELECTRICAL LEGEND

- 20 AMP, 120 VOLT DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE WITH (2) USB PORTS
- MANUAL MOTOR STARTER
- VOICE/DATA OUTLET WITH COVER PLATE. RUN RACEWAY AND CABLING TO EXISTING IDF ROOM
- J-BOX
- DISCONNECT SWITCH
- EXIT LIGHT W/ DIR. AND INTEGRAL BATTERY BACK-UP, AND "LIGHT BAR"
- LAY-IN FIXTURE
- LAY-IN FIXTURE WITH SELF-CONTAINED EMERGENCY BATTERY BACK-UP.
- WALL MOUNTED VACANCY/ OCCUPANCY SENSOR MANUAL-ON AND AUTOMATIC/MANUAL - OFF, TIME ADJUSTABLE, DUAL TECHNOLOGY, TO BE IN ACCORDANCE WITH 2015 IECC.
- CONDUIT ABOVE SLAB
- CONDUIT BELOW SLAB
- **GROUND**
- NF** - NON FUSED
- GFI** - GROUND FAULT CIRCUIT INTERRUPTER
- US** - UN-SWITCHED
- E.C.** - EMPTY CONDUIT WITH PULL WIRE
- EM** - FIXTURE IS A SELF-CONTAINED EMERGENCY FIXTURE WITH BATTERY
- THERMOSTAT BOX AND 1/2" CONDUIT TO UNIT
- EXHAUST FAN OR MOTOR
- 20 AMP 120 VOLT QUAD. RECEPTACLE
- DUPLEX RECEPTACLE AND VOICE/DATA OUTLET AT +84" FOR TV MONITOR
- A RECTANGULAR FLOOR BOX WITH (1) DUPLEX RECEPTACLE, FLOOR BOXES AND COVER PLATES SHALL BE FULLY FLUSH WITH THE FLOOR COVERING, AND SHALL BE PARALLEL/PERPENDICULAR TO WALLS. LEGRAND #880MP WITH FLANGE AND BRASS COVER PLATE.
- 120/277 VOLT TOGGLE SWITCH
- DIMMER SWITCH, SLIDE-BAR WITH ON-OFF PRESET, 1500 W
- WALL MOUNTED VACANCY/OCCUPANCY SENSOR IN ACCORDANCE WITH 2015 IECC
- CEILING MOUNTED OCCUPANCY SENSOR, TIME TO BE IN ACCORDANCE WITH 2015 IECC.
- FLEXIBLE METALLIC CONDUIT
- NL** - NIGHT LIGHT
- WP** - WEATHER PROOF

ELECTRICAL NOTES

1. ALL ELECTRICAL WORK UNDER THIS CONTRACT SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LOCAL AUTHORITY POWER COMPANY AND REQUIREMENTS AS APPLICABLE.
2. THIS CONTRACT IS TO INCLUDE ALL CONTINGENCIES WHICH MAY ARISE AND WHICH MAY BE REQUIRED BY ALTERATION AND DEMOLITION WORK.
3. ALL MATERIALS SHALL BE NEW U.L. LABELED UNLESS OTHERWISE INDICATED.
4. ELECTRICAL CONTRACTOR SHALL VERIFY AND COORDINATE THE FOLLOWING WITH THE MECHANICAL CONTRACTOR AND COMPLY AS REQUIRED.
 - 4.1. LOCATION OF EQUIPMENT (I.E. MOTORS, T-STATS, ETC.)
 - 4.2. ELECTRICAL CHARACTERISTIC (I.E. VOLTAGE, H.P., AMPS, CONTROL WIRING)
5. ALL CONDUIT SHALL BE EMT ABOVE GRADE & PVC BELOW GRADE.
6. GROUNDING OF ELECTRICAL EQUIPMENT SHALL BE AS PER APPLICABLE CODES AND AS INDICATED ON DRAWINGS.
7. ALL CONDUCTORS SHALL BE TYPE THHN COPPER UNLESS NOTED OTHERWISE. BRANCH CIRCUIT WIRING TO BE MINIMUM #12 AWG. OTHER SIZES SHALL BE AS INDICATED OR AS REQUIRED BY CODE. ALUMINUM CONDUCTORS ARE NOT ALLOWED.
8. UPON COMPLETION OF THE WORK, THE VARIOUS SYSTEMS SHALL BE TESTED FOR SHORT CIRCUITS AND GROUNDS IN ACCORDANCE WITH THE METHOD AND RESISTANCE VALUES OUTLINED IN THE NATIONAL ELECTRICAL CODE AND FOR LOAD BALANCE ON FEEDERS AND BRANCH CIRCUITS. THE COMPLETED SYSTEM SHALL OPERATE SATISFACTORILY IN EVERY RESPECT. MAKE ANY REPAIRS OR ADJUSTMENTS NECESSARY TO THIS END TO THE SATISFACTION OF THE OWNER.
9. AT THE COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH ONE (1) COMPLETE AND FINAL CORRECTED SET OF WORKING DRAWINGS. THIS SET OF WORKING DRAWINGS SHALL BE NEW, UNUSED AND IN GOOD CONDITION ACTUAL CIRCUIT NUMBERS SHALL BE RECORDED ON THE AS-BUILT DRAWINGS.
10. THE WORK PERFORMED SHALL BE GUARANTEED, FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE AGAINST FAULTY WORKMANSHIP AND/OR MATERIALS. ANY FAILURE OR TROUBLE DUE TO SUCH CAUSES WITHIN THE PERIOD OF THE GUARANTEE SHALL BE MADE GOOD UPON DEMAND OF THE OWNER AND WITHOUT COST TO THE OWNER.
11. SITE OBSERVATION BY THE ENGINEER IS FOR THE EXPRESS PURPOSE OF VERIFYING COMPLIANCE BY THE CONTRACTOR WITH THE CONTRACT DOCUMENTS, AND SHALL NOT BE CONSTRUED AS CONSTRUCTION SUPERVISION OR INDICATION OF APPROVAL OF THE MANNER OR LOCATION IN WHICH THE WORK IS BEING PERFORMED AS BEING A SAGE PRACTICE OR PLACE.
12. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE SITE AND SATISFY HIMSELF AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. THE CONTRACTOR SHALL VERIFY AT THE SITE ALL MEASUREMENTS AFFECTING HIS WORK AND SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF THE SAME. NO EXTRA COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR THE EXPENSES DUE TO HIS NEGLIGENCE TO EXAMINE OR FAILURE TO DISCOVER CONDITIONS WHICH AFFECT THIS WORK. NO EXTRA COMPENSATION WILL BE ALLOWED ON ACCOUNT OF DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND THOSE INDICATED ON THE DRAWINGS.
13. PROVIDE TYPE-WRITTEN CIRCUIT DIRECTORIES FOR ALL NEW ELECTRICAL PANELS AND AND FOR ALL EXISTING ELECTRICAL PANELS THAT HAVE BEEN UPDATED WITH THE NEW CIRCUITS.
14. GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES, PIPING, CONDUITS, ETC., PRIOR TO START OF CONSTRUCTION WITH THE EXECUTION OF THE CONTRACTOR AGREES TO INDEMNIFY THE ARCHITECT, ENGINEER, AND OWNER FROM ANY ACTION ARISING AS A RESULT OF DAMAGE TO ANY EXISTING UTILITIES.
15. EVERY BRANCH CIRCUIT SHALL BE PROVIDED WITH A SEPARATE, DEDICATED NEUTRAL IN ACCORDANCE WITH NEC, WHETHER SHOWN ON DRAWINGS OR NOT.
16. CONTRACTOR SHALL INSTALL EQUIPMENT AS PER MANUFACTURER REQUIREMENTS.
17. ALL LIGHTS FIXTURES SHALL BE HUNG FROM AND/OR FASTENED TO THE BUILDING STRUCTURAL NOT FROM CEILING.
18. PROVIDE ARC-FLASH LABELING ON ALL NEW ELECTRICAL PANELS, ALL LABELING SHALL BE DONE USING ANNEX H OF NFPA 70E, 130.5(D), OR BY CALCULATIONS.
19. PROVIDE UN-SWITCHED HOT CONDUCTOR TO ALL EMERGENCY BATTERIES OF FIXTURES. THIS HOT CONDUCTOR SHALL BYPASS ANY SWITCHES, OCCUPANCY SENSORS, AND LIGHTING CONTROL RELAYS. TYPICAL
20. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS OF HVAC AND PLUMBING EQUIPMENT.
21. MC CABLE WILL NOT BE ALLOWED.
22. LABEL THE COVERS OF ALL NEW ELECTRICAL PANELS WITH PHENOLIC NAMEPLATES. LABEL SHALL SAY THE PANEL NAME, VOLTAGE, AND AMP RATING (I.E. PANEL L3, 120/208 /3PH, 200AMP).
23. ALL LIGHTING AND LIGHTING CONTROLS SHALL BE IN ACCORDANCE WITH THE IECC 2015 ENERGY CODE.
24. THE MOUNTING HEIGHTS OF ALL RECEPTACLES, SWITCHES, AND ALL OTHER PERTINENT ELECTRICAL DEVICES AND EQUIPMENT, SHALL BE IN ACCORDANCE WITH THE ARCHITECTURAL DRAWINGS, ADA, AND TAS. PRIOR TO ROUGH-IN, THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS. IF THERE ARE NO MOUNTING HEIGHTS SPECIFIED ON THE ARCHITECTURAL DRAWINGS THEN THE CONTRACTOR SHALL USE THE MOUNTING HEIGHTS AS SPECIFIED BY ADA AND/OR TAS.
25. THE CONTRACTOR SHALL NOTIFY THE OWNER 7 DAYS IN ADVANCE OF ALL NECESSARY POWER OUTAGES. THE POWER OUTAGES SHALL OCCUR ON NIGHTS AND/OR WEEKENDS. PREPARE ALL WORK IN ADVANCE SO THAT THE DURATION OF THE POWER OUTAGES IS KEPT TO A MINIMUM.
26. COLOR OF DEVICES & COVER PLATES SHALL BE STAINLESS STEEL TO MATCH EXISTING. VERIFY WITH ARCHITECT PRIOR TO ORDERING.
27. ALL TRANSFORMERS SHALL HAVE COPPER WINDINGS. MOUNT TRANSFORMER ON SPRING-TYPE VIBRATION ISOLATORS AND 4" CONCRETE SLAB. SLAB SHALL EXTEND 4" PAST THE EDGE OF THE TRANSFORMER AROUND THE ENTIRE PERIMETER.
28. THE ELECTRICAL PANELS SHALL HAVE COPPER BUSSING AND DOOR-IN-DOOR CONSTRUCTION.
29. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN GANG TYPE CONTROLS UNDER ONE COVER PLATE. DIMMER SWITCHES, THERMOSTATS, FAN CONTROLS OR OTHER DEVICES WHICH CAN NOT BE INSTALLED UNDER THE SAME GANG-TYPE COVER PLATE SHALL BE CLOSELY SPACED AND ALIGNED HORIZONTALLY WITH THE LIGHT SWITCHES.

DEMOLITION NOTES:

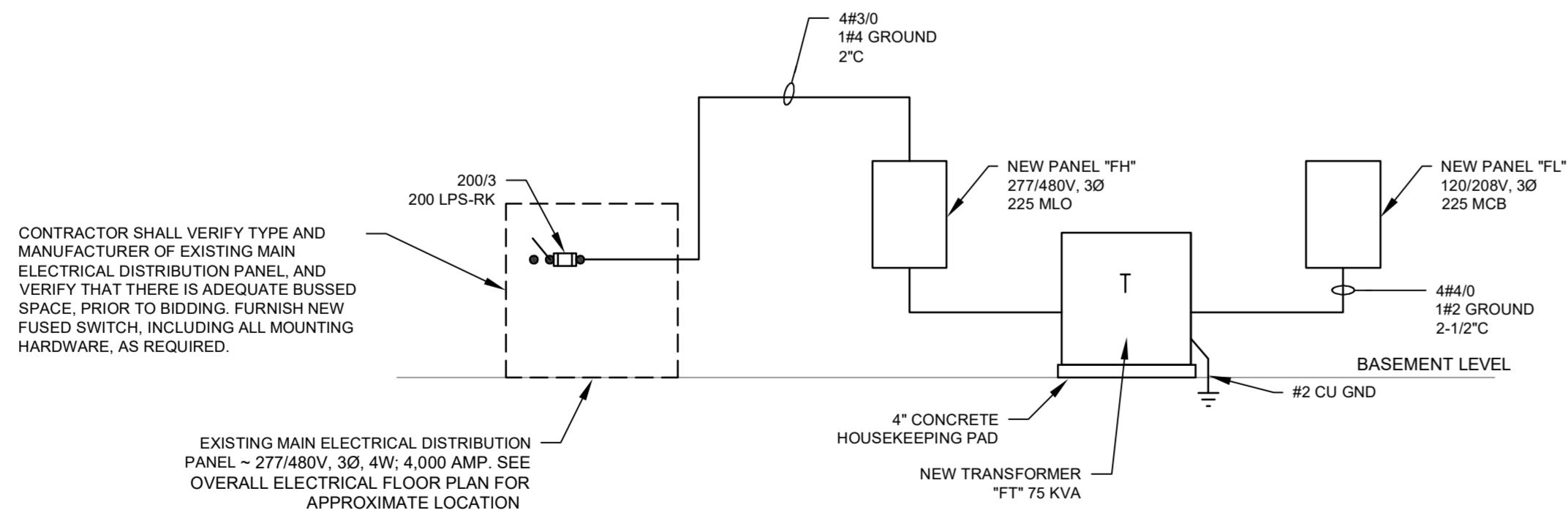
1. CONTRACTOR SHALL REMOVE ALL EXISTING FIXTURES, RECEPTACLES, CONDUIT, WIRING, ETC. WHERE SHOWN. ANY ADDITIONAL ITEMS ENCOUNTERED WITH THE CONSTRUCTION SHALL BE REMOVED AT NO ADDITIONAL COST.
2. ALL DEMO ITEMS, AND MATERIALS SHALL BE DISPOSED OF BY THE CONTRACTOR. CONTRACTOR SHALL USE EXTREME CARE AND CAUTION DURING DEMOLITION AS TO PREVENT ANY EXCESSIVE INTERFERENCE WITH NORMAL BUSINESS ACTIVITIES.
3. ALL DEMOLITION WORK SHALL BE EXECUTED WITH THE GREATEST CARE SO AS NOT TO DAMAGE EXISTING CONSTRUCTION TO REMAIN. ANY DAMAGED TO THE EXISTING CONSTRUCTION TO REMAIN SHALL BE REPAIRED AT THE COST OF THE DEMOLITION CONTRACTOR.
4. ALL POWER SHUT-DOWNS & SWITCHOVER SHALL BE COORDINATED WITH OWNER 7 DAYS IN ADVANCE.
5. THERE ARE EXISTING CIRCUITS, RECEPTACLES AND LIGHT FIXTURES BEING REMOVED AND REPLACED. CONTRACTOR TO ABANDON CONDUIT AND WIRING IN PLACE WITHOUT CONFLICTS TO NEW CONDUIT AND WIRING.
6. ALL NEW ELECTRICAL COMPONENTS SHALL HAVE NEW CONDUIT AND WIRING.

FIRE ALARM NOTE

THE ELECTRICAL CONTRACTOR SHALL MAKE ALL MODIFICATIONS TO THE EXISTING FIRE ALARM SYSTEM AS REQUIRED, INCLUDING ADDING NEW DEVICES AND WIRING IF NECESSARY. FURNISH ALL PARTS AND LABOR AS REQUIRED FOR A COMPLETE TURN-KEY DESIGN-BUILD SYSTEM INCLUDING DRAWINGS AND APPROVALS FROM THE FIRE MARSHAL'S OFFICE.

DATA/VOICE CABLING & I.T. EQUIPMENT

ALL DATA/VOICE CABLING AND OUTLETS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL I.T. EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL PARTS, LABOR AND MATERIALS FOR A COMPLETE AND FUNCTIONAL TURN-KEY SYSTEM. COMPLY WITH ALL REQUIREMENTS AND SPECIFICATIONS OF EL PASO COUNTY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE REQUIREMENTS AND SPECIFICATIONS PRIOR TO BIDDING. REFER TO THE SPECIFICATION MANUAL FOR MORE DETAIL.



ELECTRICAL LOAD CALCULATIONS

277/480V, 3 PHASE, 4000 AMPS

1. EXISTING PEAK DEMAND PER EPECO = 1,624KW

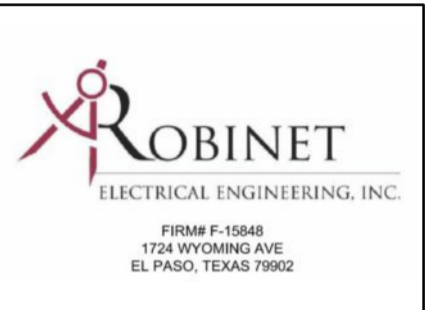
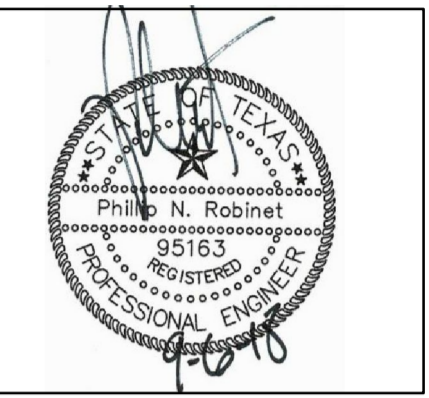
$\frac{1,624,000W}{(480V)(1.73)(0.8pf)} \times 1.25 = 3,053.6 \text{ AMPS/PHASE}$

2. NEW PANEL "FH" (HIGH PHASE) = 134.4 AMPS (PHASE A)

TOTAL AMPS HIGH PHASE A = 3,188.0

1 ELECTRICAL RISER DIAGRAM

NOT TO SCALE

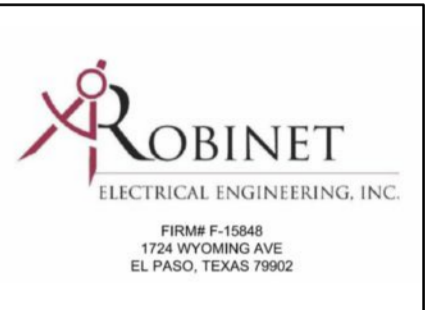
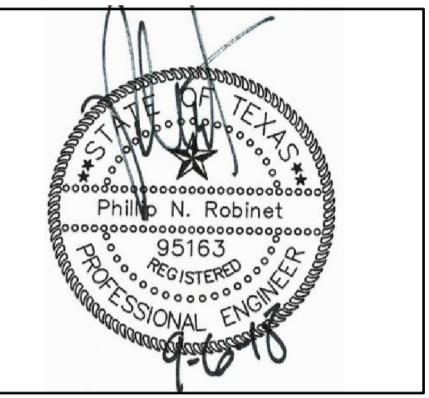


EMPLOYEE FITNESS & WELLNESS CENTER
 EL PASO, TEXAS
 500 E SAN ANTONIO ST.

ISSUED FOR CONSTRUCTION

NO.	DATE:	REVISION:
DATE: SEPTEMBER 06 - 2018		

SHEET:
E-0
 ELECTRICAL LEGEND



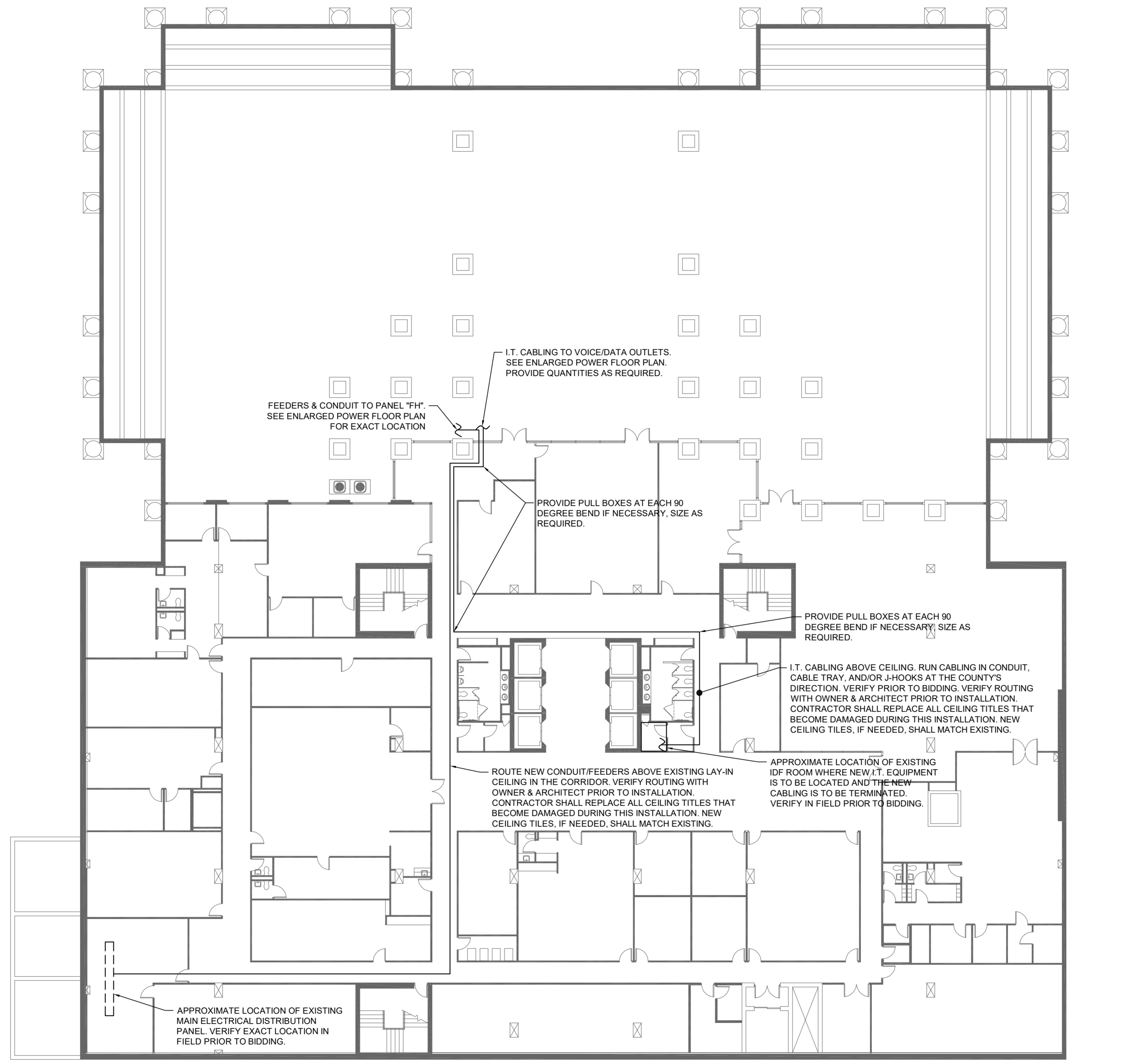
EMPLOYEE FITNESS & WELLNESS CENTER
 500 E SAN ANTONIO ST. EL PASO, TEXAS

ISSUED FOR CONSTRUCTION

NO.	DATE:	REVISION:

DATE: SEPTEMBER 06 - 2018

SHEET:
E1.1
 OVERALL ELECTRICAL PLAN



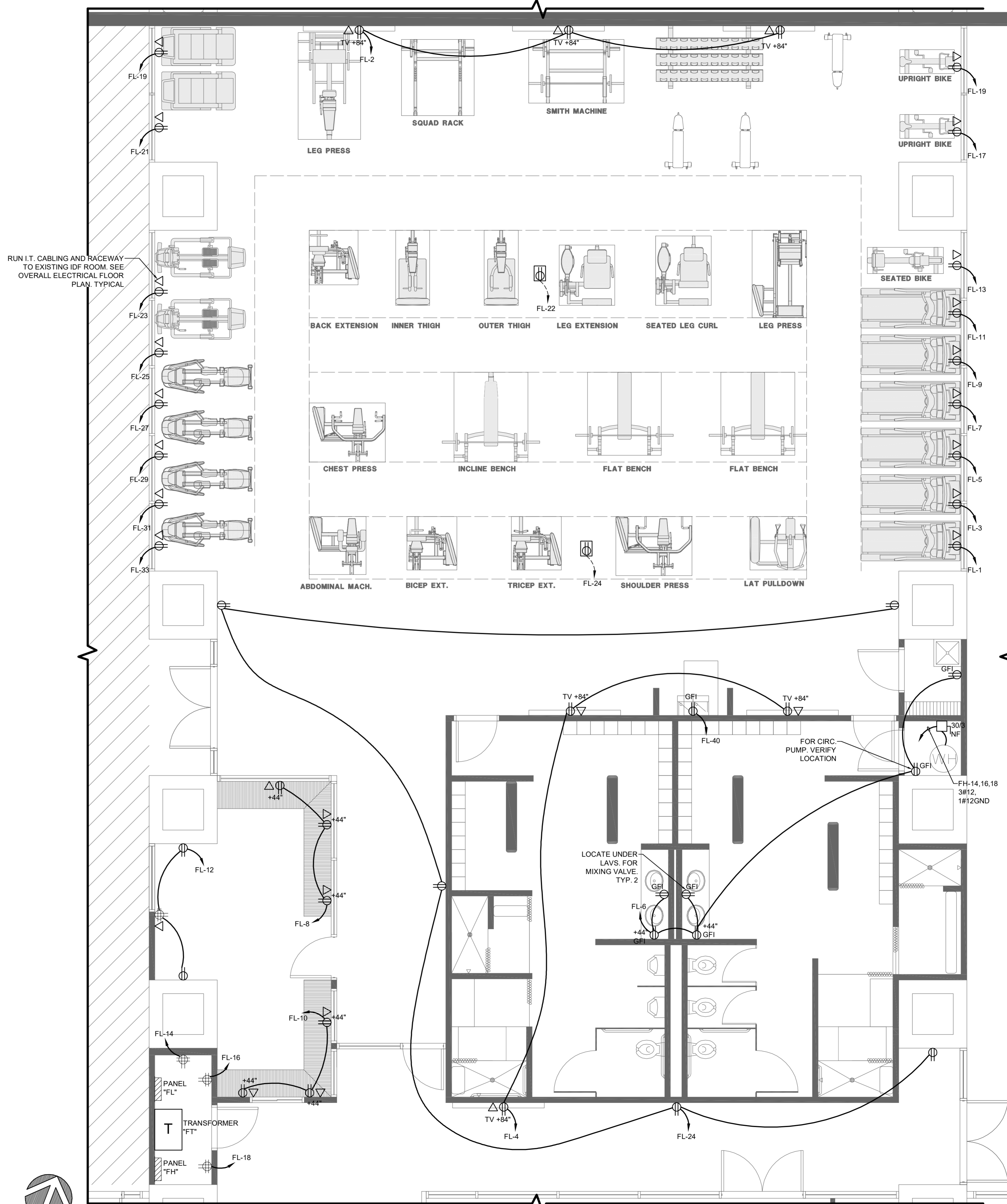
1 OVERALL ELECTRICAL FLOOR PLAN
 NORTH LOWER LEVEL SCALE: 1/16"=1'-0"

PANEL FL	TYPE	MOUNTING SURFACE	120/208/3Ø/4W						MAIN 225 MCB	
			USE AND / OR AREA	C/B	CIR. NO	Ø A	Ø B	Ø C	CIR. NO	C/B
TREADMILL			1	1,440				2	20	T.V.'S
TREADMILL			3	600				4	20	T.V.'S
TREADMILL			5		1,440			6	20	RCPT. - RR, WH, JAN
TREADMILL			7	1,440				8	20	RCPT. - FRONT DESK
TREADMILL			9	600				10	20	RCPT. - FRONT DESK
TREADMILL			11		1,440			12	20	RCPT. - FRONT DESK
SEATED BIKE			13	1,440				14	20	RCPT. - IT / ELEC.
UPRIGHT BIKE			15	400				16	20	RCPT. - IT / ELEC.
UPRIGHT BIKE			17		1,440			18	20	RCPT. - IT / ELEC.
STEP MILL			19	1,440				20	20	FLOOR RCPT.
STEP MILL			21	200				22	20	FLOOR RCPT.
MOTION TRAINER			23		1,440			24	20	RCPTS. - GENERAL
MOTION TRAINER			25	1,440				26	30	HP-1
ELLIPTICAL			27	2,380				28	20	1/2HP + 3.6KW
ELLIPTICAL			29		1,440			30	20	EF#1 - #4
ELLIPTICAL			31	1,440				32	20	COND. PUMPS
ELLIPTICAL			33	600				34	20	HVAC MANT. RCPT.
*USB. RCPTS - EAST			35		1,260			36	20	ELEC. DOOR STRIKE
*USB. RCPTS - EAST			37	1260				38	20	ELEC. DOOR STRIKE
*USB. RCPTS - EAST			39	200				40	20	EWC
*USB. RCPTS - EAST			41		1260			42	20	SPARE
*USB. RCPTS - WEST			43	400				44	20	SPARE
SPARE			45					46	20	SPARE
SPARE			47					48	20	SPARE
SPARE			49					50	20	SPARE
SPARE			51					52	20	HP-1
SPARE			53					54	2	
TOTAL V.A. PER PHASE				15,280.00	14,780.00	14,044.00				10,000 MIN C/B A.I.C
TOTAL AMP PER PHASE				127.33	123.17	117.03				

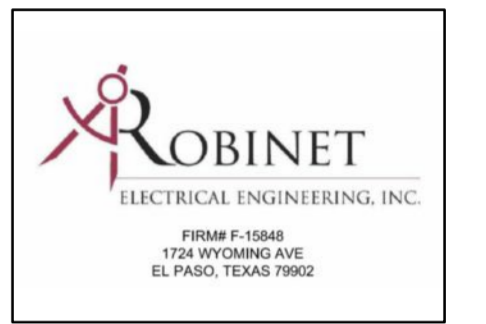
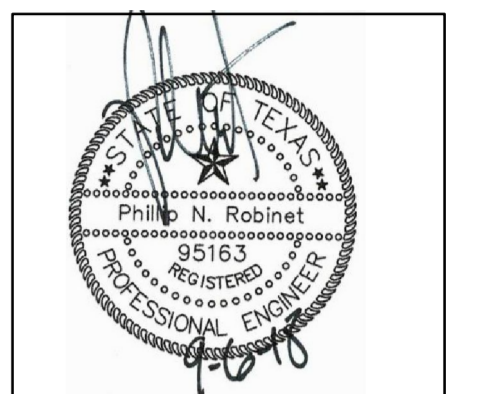
* GFCI CIRCUIT BREAKER
 □ THESE HP UNITS REQUIRE (2) SEPARATE ELECTRICAL CONNECTIONS; ONE FOR THE BLOWER & ONE FOR THE HEAT STRIP. PROVIDE SEPARATE BRANCH CIRCUIT

PANEL FH	TYPE	MOUNTING SURFACE	277/480/3Ø/4W						MAIN 225 MLO	
			USE AND / OR AREA	C/B	CIR. NO	Ø A	Ø B	Ø C	CIR. NO	C/B
CU-1			1	1,662				2	20	HP-2
6 MCA			3	2,608				4		2 HP + 5 KW
			5		1,662			6	3	
CU-2			7	5,540				8	20	HP-3
20 MCA			9	2608				10		2 HP + 5 KW
			11		5,540			12	3	
CU-3			13	5,540				14	20	WATER HEATER
20 MCA			15	4000				16		12 KW
			17		5,540			18	3	
* LIGHTS - EAST			19					20	20	LIGHTS - WEST
* LIGHTS - EAST			21					22	20	LIGHTS - WEST
* LIGHTS - EAST			23					24	20	LIGHTS - GYM
* LIGHTS - EAST			25					26	20	HP-2
SPARE			27					28		
SPARE			29					30	3	
SPARE			31					32	20	HP-3
SPARE			33					34		
SPARE			35					36	3	
			37					38	100	TRANSFORMER 'FT'
			39	15280				40		75 KVA
			41		14780			42	3	
TOTAL V.A. PER PHASE				37,238.00	36,738.00	36,002.00				10,000 MIN C/B A.I.C
TOTAL AMP PER PHASE				134.43	132.63	129.97				

* VIA TIME CLOCK PER 2015 IECC
 □ THESE HP UNITS REQUIRE (2) SEPARATE ELECTRICAL CONNECTIONS; ONE FOR THE BLOWER & ONE FOR THE HEAT STRIP. PROVIDE SEPARATE BRANCH CIRCUIT HOMERUNS. LOADS SHOWN ARE TOTAL LOAD.



1 ENLARGED POWER FLOOR PLAN
 GYM 5,125 SQ. FT. SCALE: 1/4"=1'-0"



EMPLOYEE FITNESS & WELLNESS CENTER
 500 E SAN ANTONIO ST. EL PASO, TEXAS

ISSUED FOR CONSTRUCTION

NO.	DATE:	REVISION:

DATE: SEPTEMBER 06 - 2018

SHEET:
E2.1
 ENLARGED FLOOR PLAN

DRAWN BY: WWW.BEEPERSPECTIVE.COM

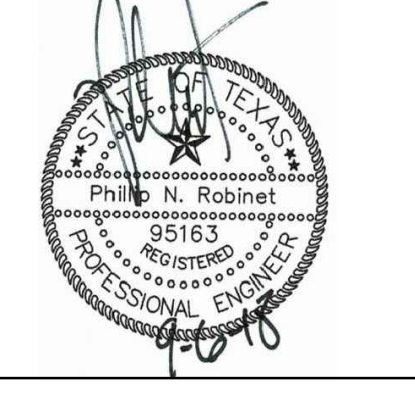
2016-25 COURT HOUSE FITNESS CENTER - CONSTRUCTION DOCUMENTS

TYPE	MANUFACTURER	CATALOG NUMBER	LAMP DETAILS	MOUNTING	NOTES
A	EATON	24CZ-LD5-40SE-UNV-L840-CD1-U / DF-24W-U	4000K - 32.6 WATTS	RECESSED - GYP	
AEM	EATON	24CZ-LD5-40SE-UNV-EL14W-L840-CD1-U / DF-24W-U	4000K - 32.6 WATTS	RECESSED - GYP	INTEGRAL EMERGENCY
B	EATON	22CZ-LD5-32SE-UNV-L840-CD1-U / DF-22W-U	4000K - 30.5 WATTS	RECESSED - GYP	
C	DELRAY	IL791-STD FINISH-C-W40-M-(P/ISR-S/S/R)	4000K - 64.5 WATTS	SUSPENDED	
CEM	DELRAY	IL791-STD FINISH-C-W40-M-(P/ISR-S/S/R)-EM12	4000K - 64.5 WATTS	SUSPENDED	INTEGRAL EMERGENCY
D	EATON	P0615D010B / PDM6B840 / 61VC	4000K - 14.3 WATTS	RECESSED - GYP	
G	EATON	PRR840D010 / PR8M34MDMW / PR8TH / ABR10P	FIELD SELECTABLE - 43 WATTS	RECESSED	
H	LIGMAN	UVT-20003-110WLG-T4-W40-STD FINISH-120/277V	4000K - 110 WATTS	POLE MTD - 12'	
H1	LIGMAN	UVT-20013-110WLG-T1/74-W40-STD FINISH-120/277V	4000K - 110 WATTS	POLE MTD - 12'	
J	VISTA PRO	1043-STD FINISH-VNS-30-B-MV-ND	3000K - 15.7 WATTS	SURFACE	
F	LIGHTWAY	PDSW-5-LED-U-8W-4-STD FINISH-WFA-39	4000K - 8 WATTS	WALL	OPTION FOR EM BATTERY - 'BB10'
X1	EVENLITE	TLP-R-2U-W-SD	-	SURFACE	
X2	EVENLITE	SLV-20-X-TB	-	SURFACE	
COS	EATON	OAC-DT-1000	-	CEILING	
OS	EATON	VSW-P-010-W	-	WALL	

- NOTES:
1. ALL DRIVERS SHALL HAVE A FULL 5-YEAR WARRANTY, INCLUDING PARTS AND LABOR.
 2. ALL LED FIXTURES SHALL BE 0-10V FULLY DIMMABLE DOWN TO 1%.
 3. IT IS THE CONTRACTOR RESPONSIBILITY TO FURNISH DRIVERS THAT ARE COMPATIBLE WITH THE DIMMING SYSTEM.
 4. ALL FIXTURES SHALL BE UNIVERSAL VOLTAGE SUITABLE FOR 120V OR 277V IN THE FIELD.
 5. ALL LIGHTING AND LIGHTING CONTROLS SHALL BE PROGRAMMED AND COMMISSIONED BY THE MANUFACTURER'S FACTORY-AUTHORIZED PERSONNEL. PROVIDE TRAINING FOR OWNER AS REQUIRED.
 6. ALL LED LAMPS SHALL BE 3500K.

KEYED NOTES

1. REMOVE EXISTING POLE FIXTURE AND INSTALL NEW TYPE 'H' OR 'H1' FIXTURE. CONNECT TO EXISTING BRANCH CIRCUIT. VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO INSTALLATION. REMOVE EXISTING FOOTING AND ANCHOR BOLTS, AND PROVIDE NEW FOOTING AND NEW ANCHOR BOLTS AS REQUIRED.
2. REMOVE EXISTING RECESSED DOWNLIGHT IN UPPER FLOOR EXTERIOR SOFFIT AND INSTALL NEW TYPE 'G' FIXTURE. CONNECT TO EXISTING CIRCUIT. PATCH AND REPAIR ALL EXISTING CEILING AND FINISHES THAT WERE DAMAGED DURING INSTALLATION. VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO INSTALLATION.
3. WEATHER-PROOF JUNCTION BOX FOR 120 VOLT POWER TO ELECTRIC DOOR STRIKE. VERIFY LOCATION IN FIELD.
4. NEW TACTILE, NON-ENERGIZED EXIT SIGN. REFER TO LIGHT FIXTURE SCHEDULE.
5. ROUTE THE CONDUITS FOR THE POWER, VOICE/DATA CABLING, AND LIGHTING HORIZONTALLY ALONG THESE WALLS AS DIRECTED BY THE ARCHITECT AND THE OWNER. IN GENERAL, THE CONDUITS SHALL RUN FROM BOX-TO-BOX AS MUCH AS POSSIBLE. VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO BIDDING. ALL CONDUIT, BOXES, FITTINGS, ETC. SHALL BE PAINTED IN COLOR AS DIRECTED BY THE ARCHITECT.



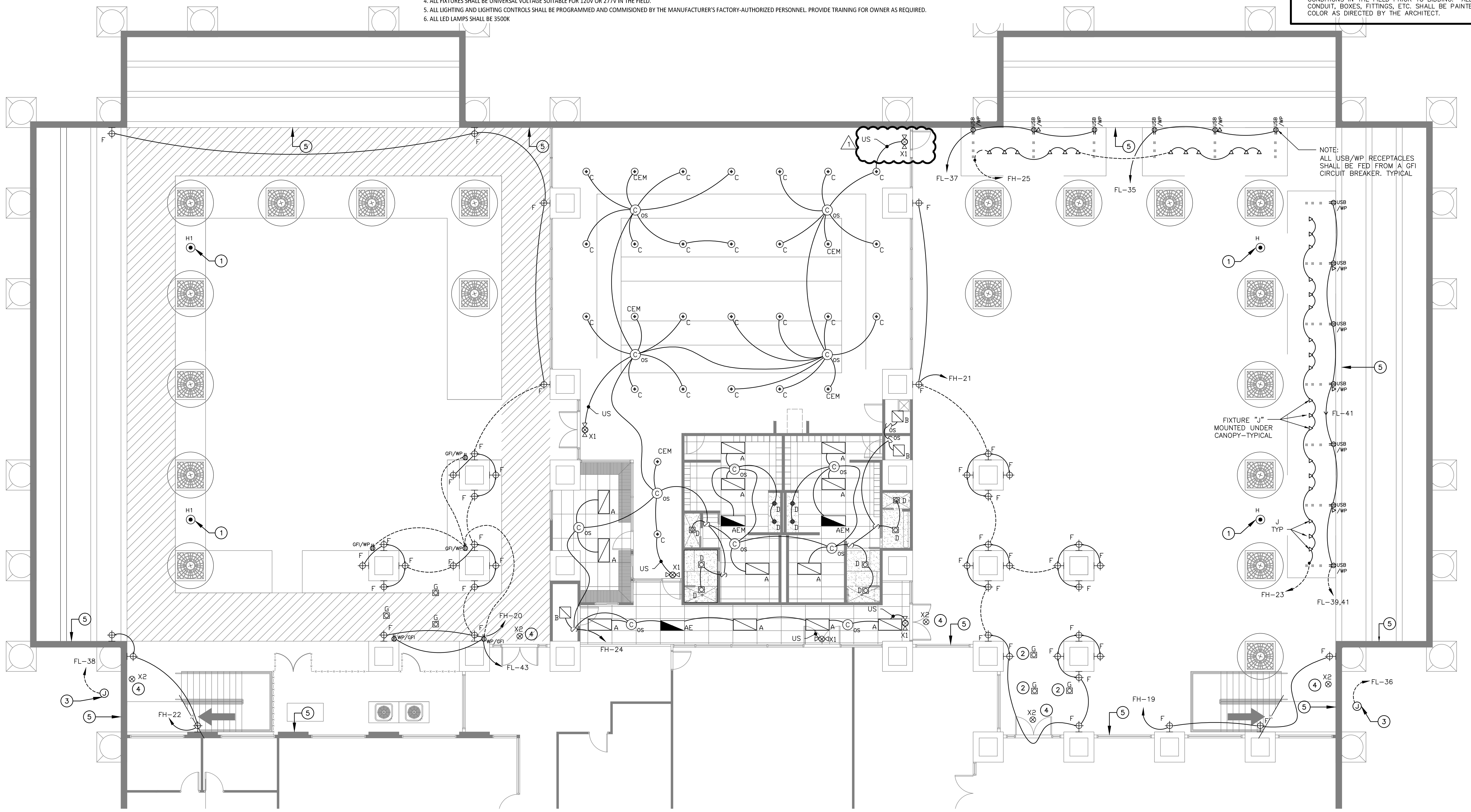
EMPLOYEE FITNESS & WELLNESS CENTER
 500 E SAN ANTONIO ST. EL PASO, TEXAS

ISSUED FOR CONSTRUCTION

NO.	DATE	REVISION:	CITY	COMMENTS
1	04-10-19			

DATE: SEPTEMBER 06 - 2018

SHEET:
E2.2
ELECTRICAL PLANS



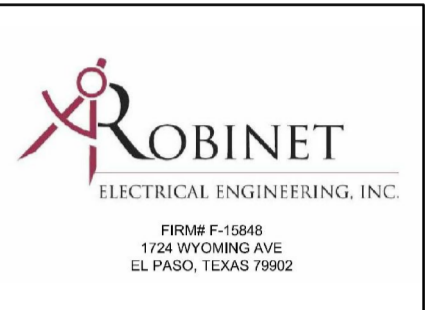
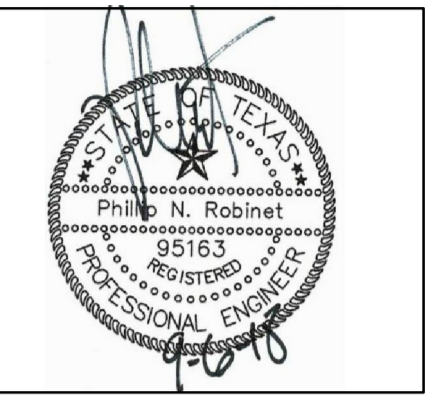
1 ENLARGED ELECTRICAL PLAN
WEST COURTYARD
SCALE: 1/8"=1'-0"
NORTH

2 ENLARGED ELECTRICAL PLAN
FITNESS AREA
SCALE: 1/8"=1'-0"
NORTH

3 ENLARGED ELECTRICAL PLAN
EAST COURTYARD
SCALE: 1/8"=1'-0"
NORTH

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EMPLOYEE FITNESS & WELLNESS CENTER
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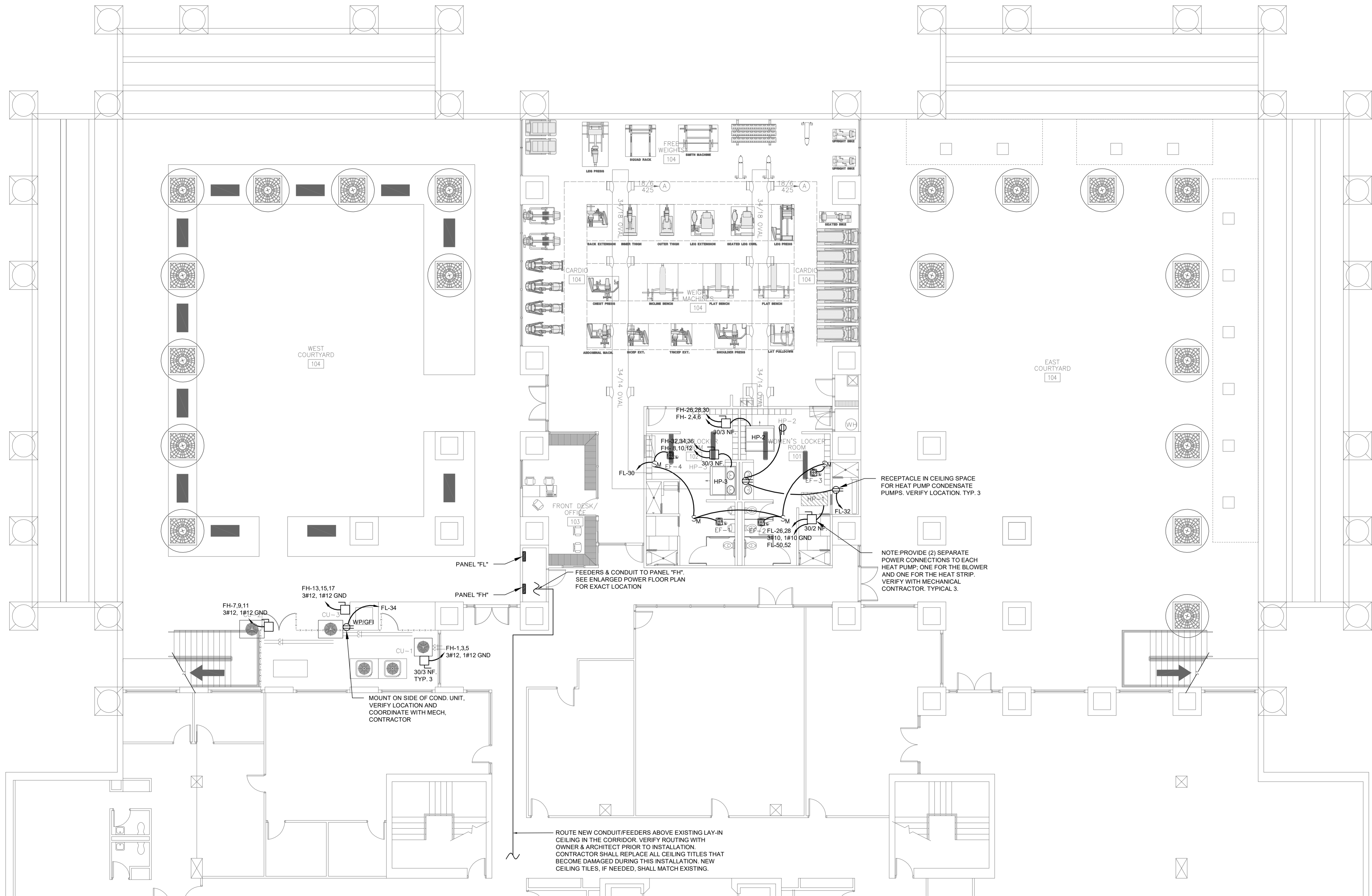
NO.	DATE:	REVISION:

DATE: SEPTEMBER 06 - 2018

SHEET:
E3.1
 OVERALL HVAC EQUIPMENT PLAN

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1 OVERALL POWER PLAN - HVAC EQUIPMENT
 EXISTING LOWER LEVEL
 SCALE: 1/8"=1'-0"