XFMR

80. EM / NIGHT LIGHT FIXTURES SHALL BE WIRED SO AS TO REMAIN ON ALL THE TIME (24/7).

TRANSFORMER

RESCUE ASSISTANCE CONTROL PANEL, SEE 2-E1.1C.

CEILING MOUNT DAYLIT SENSOR, WATT STOPPER OR =

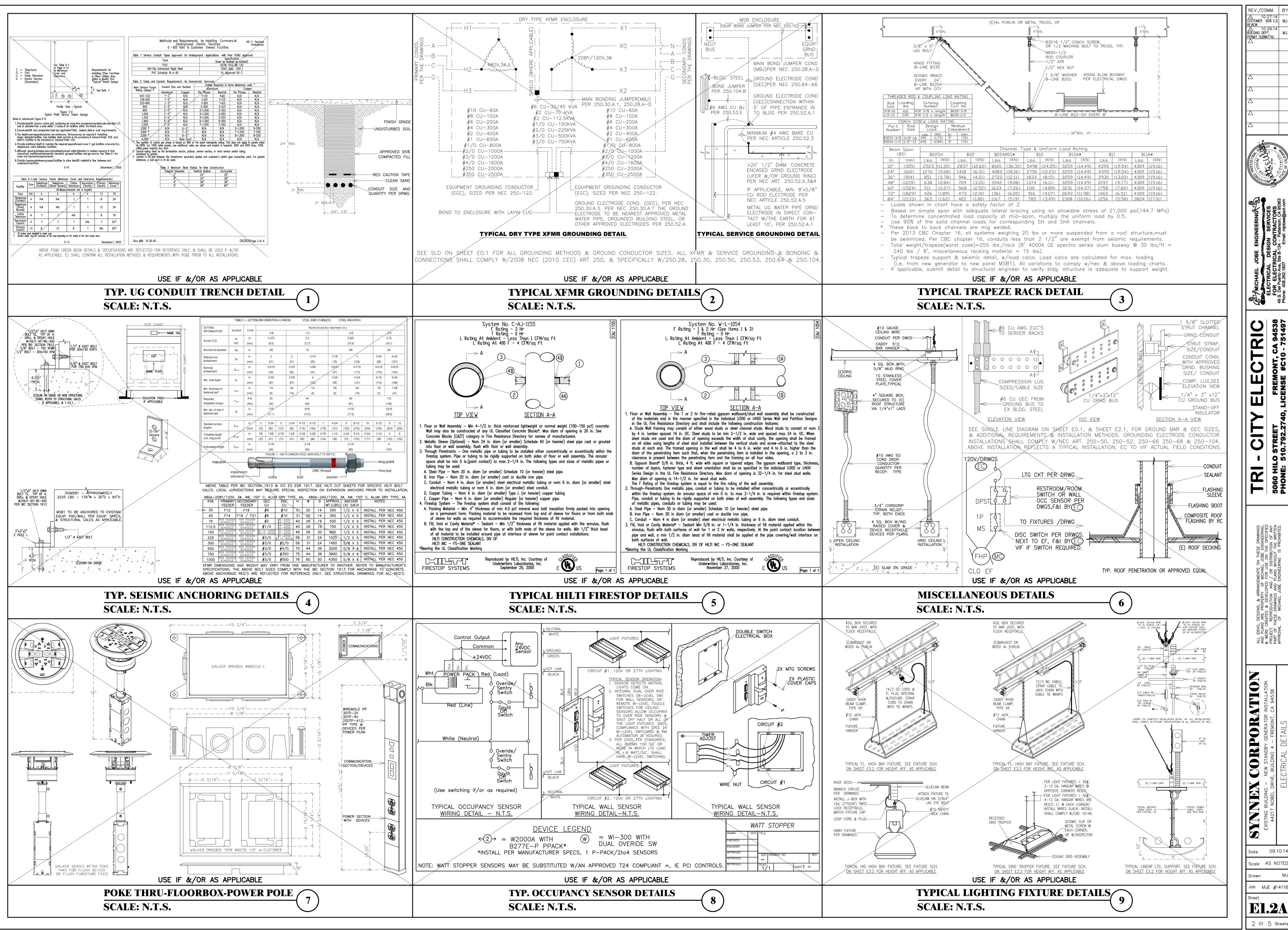
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Date 09.10.14 Scale AS NOTE[

Job MJE #1411

1 Of 5 Sheets

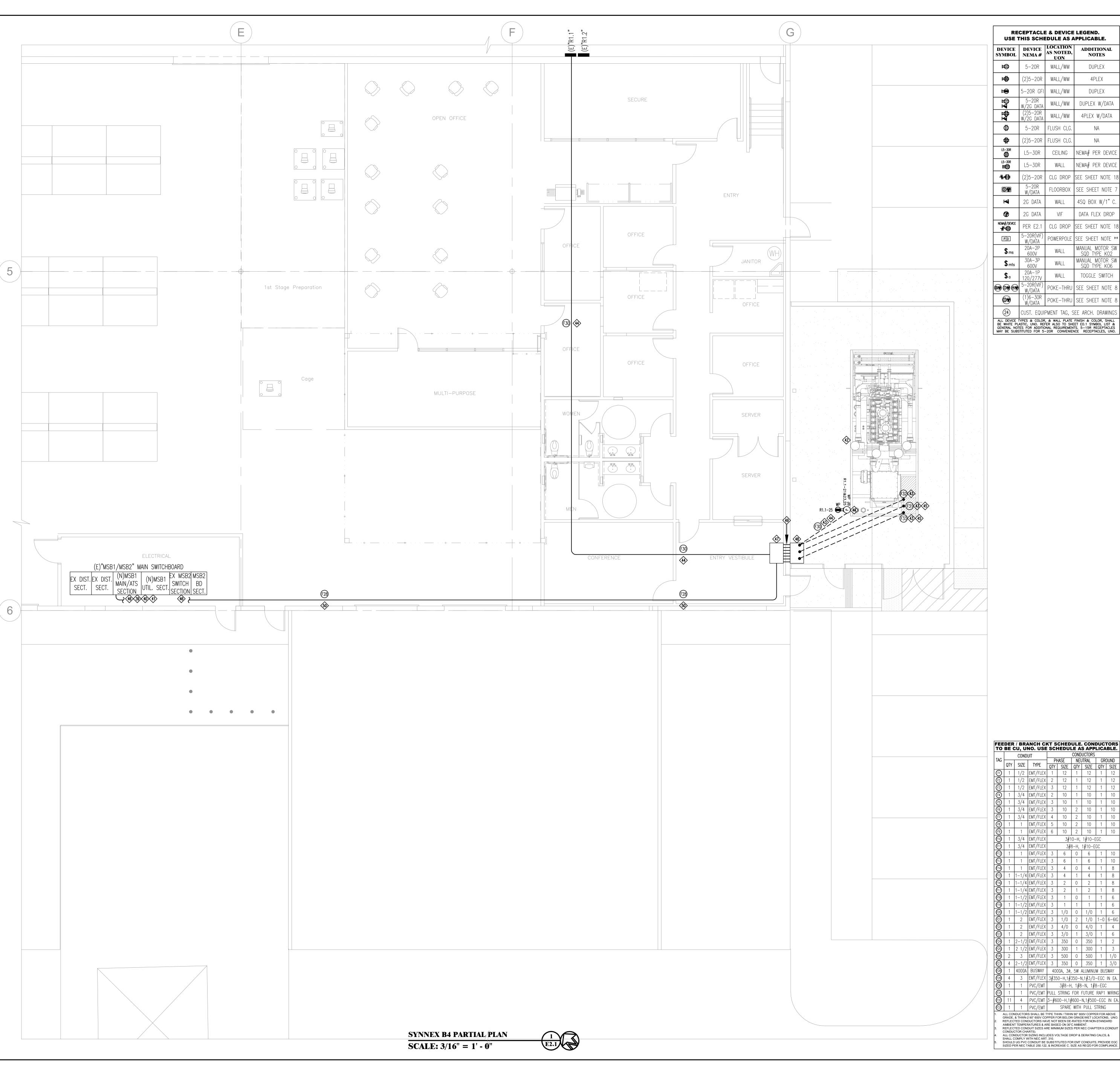


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E1.2A



TYPICAL LTG & POWER SHEET NOTES [] (SEE ALSO GENERAL NOTES ON E0.1)

SEE SINGLE LINE DIAGRAM ON SHEET E0.1, & DETAILS ON SHEET E1.2A, FOR ALL APPLICABLE WIRING &/OR GROUNDING REQUIREMENTS. SEE DETAIL 4 ON SHEET E1.2A FOR SEISMIC ANCHORING REQUIREMENTS ON ALL ELECTRICAL EQUIPMENT EXCEEDING 400 LBS. IN WEIGHT.

ALL POWER / DEVICES / LIGHTING THIS ROOM / AREA ARE EXISTING, SHALL REMAIN AS IS, & ARE NIC, UNO. PROVIDE CEILING J-BOX WITH REFLECTED CIRCUITS FOR FURNITURE POWER POLE, PP IS F&IBO, & WIRED BY THE EC. COORDINATE LOCATION & ALL REQUIREMENTS WITH THE GC & CUSTOMER.

PROVIDE FLUSH WALL J-BOX FOR POWER & DATA @18" AFF FOR CUBICLE BASE FEED. BASE FEED IS

F&IBO, WIRED BY THE EC. COORDINATE LOCATION & ALL REQUIREMENTS WITH THE GC & CUSTOMER.

[5] PROVIDE NEW BLDG STANDARD 225A, 208Y/120V, 3Ø, 4W, N1, 100% N, 10 KAIC, 42 CKT, MLO

SURFACE MOUNT PANELBOARD. SEE SLD ON SHEET E2.1 & DETAIL 1/2 ON SHEET E1.2A FOR WIRING /

GROUNDING REQUIREMENTS. COORDINATE LOCATION WITH GC & CUSTOMER. EC TO VIF CONDUIT

ROUTING PATH FOR NEW PANEL FROM SOURCE, & PROVIDE JB'S AS REQ'D FOR NEC COMPLIANCE.

[6] PROVIDE NEW BLDG STANDARD 100A, 480Y/277V, 3Ø, 4W, N1, 14 KAIC, 30 CKT, MLO, SURFACE

[6] PROVIDE NEW BLDG STANDARD 100A, 480Y/277V, 3Ø, 4W, N1, 14 KAIC, 30 CKT, MLO, SURFACE MOUNT PANELBOARD. SEE SLD ON SHEET E2.1, & DETAIL 2 ON SHEET E1.2A FOR WIRING / GROUNDING REQUIREMENTS. 100A PANEL FEEDER IS EXISTING FROM PREVIOUS TENANT CONFIGURATION. RE-ROUTE PANEL FEEDER TO NEW PANEL "1030.H1" AS REQUIRED. COORDINATE LOCATION WITH GC & CUSTOMER. EC TO VIF CONDUIT ROUTING PATH FOR NEW PANEL FROM SOURCE, & PROVIDE JB'S AS REQUIRED FOR NEC COMPLIANCE.
[7] PROVIDE BLDG. STANDARD OR - WALKER COMPOST OF POX 2000CS 1 W/927R RPASS COVER BLATE.

7] PROVIDE BLDG. STANDARD OR = WALKER COMBO FLOOR BOX 880CS3-1 W/827B BRASS COVER PLATE.
PROVIDE 3/4" (UNO) PVC SCH 40 POWER/DATA CONDUITS FROM BOX TO NEAREST DEVICE AS
REFLECTED. ALL SLAB ON GRADE SAW CUTTING & PATCHING F&I BY GC. EC TO VIF THE SLAB IS FREE OF
OBSTRUCTIONS PRIOR TO ALL SAW CUTTING. COORDINATE BOX LOCATION / REQUIREMENTS WITH GC.
INSTALLATION SHALL COMPLY WITH THE NEC & MANUFACTURERS SPECS. SEE ALSO DETAIL ON SHEET
E1.2A COORDINATE POWER & DATA CONNECTION TO FURNITURE PANELS WITH GC.

E1.2A COORDINATE POWER & DATA CONNECTION TO FURNITURE PANELS WITH GC.

[8] PROVIDE WALKER POKE THROUGH FITTING RC700-A &/OR RC700-6A, OR APPROVED =. EC SHALL PROVIDE FLOOR CORE FOR THE FITTING PER THE MANUFACTURER'S SPECIFICATIONS. EC SHALL VIF ANY OBSTRUCTIONS IN THE FLOOR SLAB PRIOR TO CORING. ALL CONDUIT & WIRING SHALL BE INSTALLED IN TENANT SPACE BELOW, & SHALL TERMINATE INTO THE ADJACENT WIRING DEVICE AS REFLECTED. COORDINATE LOCATION/ALL REQUIREMENTS WITH THE GC & CUSTOMER. SEE DETAIL ON SHEET E1.2A FOR PICTORAL REFERENCE ONLY. PROVIDE DEVICES PER THE DRAWINGS. REFLECTED POKE THRU MAY

BE EX FROM PREVIOUS FURNITURE & RELOCATED TO THIS LOCATION, VIF.

PROVIDE 120V POWER FOR FRACTIONAL HP CEILING MOUNT EXHAUST FAN, WHICH IS F&IBO, & WIRED BY THE EC. FAN SHALL BE CONTROLLED BY LIGHT SWITCH AS REFLECTED ON SHEET E3.1 & DETAIL 6 ON SHEET E1.2A. COORDINATE LOCATION & ALL REQUIREMENTS WITH GC / MC.

PROVIDE 120V OR 208V POWER IN FLUSH WALL J-BOX @ 18" AFF(VIF) FOR FLEXIBLE CONNECTION TO NEW WATER HEATER. COORDINATE LOCATION & ALL REQUIREMENTS WITH THE GC / PC.

PROVIDE 120V POWER (IF APPLICABLE) IN CEILING/WALL J-BOX FOR CONNECTION TO NEW CARD READER

] PROVIDE 120V POWER (IF APPLICABLE) IN CEILING/WALL J-BOX FOR CONNECTION TO NEW CARD READER CARD ACCESS SYSTEM. ALSO PROVIDE 1-GANG FLUSH BOX @ 44" AFF(VIF) WITH 3/4" C. FROM BOX TO 6" ABOVE CEILING. COORDINATE LOCATION & ALL REQUIREMENTS WITH THE GC / CUSTOMER.

2] PROVIDE 120V IN CEILING 4SQ. J-BOX FOR CONNECTION TO FIRE-SMOKE DAMPERS. COORDINATE LOCATION & ALL REQUIREMENTS WITH MC / GC & THE MECHANICAL DRAWINGS.

3] PROVIDE 120V IN CEILING 4SQ. J-BOX FOR CONNECTION TO FIRE ALARM SYSTEM EQUIPMENT. COORDINATE LOCATION & ALL REQUIREMENTS WITH LIFE SAFETY CONTRACTOR & THE GC.

[14] PROVIDE 120V POWER IN CEILING J-BOX & UP/DOWN LV WALL SWITCH CONTROL FOR CONNECTION TO NEW PROJECTOR SCREEN. COORDINATE LOCATION & ALL REQUIREMENTS WITH GC & CUSTOMER.
[15] PROVIDE 4PLEX RECEPTACLE FLUSH IN CEILING FOR CEILING PROJECTOR. COORDINATE LOCATION & ALL REQUIREMENTS WITH GC / CUSTOMER. LABEL DEVICES "CEILING PROJECTOR".
[16] PROVIDE 120V POWER IN CEILING J-BOX FOR CONNECTION TO SECURITY SYSTEM CAMERA. COORDINATE LOCATION & ALL REQUIREMENTS WITH THE GC / CUSTOMER.

SYSTEM. COORDINATE LOCATION & ALL REQUIREMENTS WITH THE GC / CUSTOMER.

[18] PROVIDE REFLECTED CEILING CORD DROP AS REFLECTED. SEE APPLICABLE SHEET E1.2A DETAIL FOR INSTALLATION REQUIREMENTS. COORDINATE LOCATION & REQUIREMENTS WITH GC & CUSTOMER.

[19] PROVIDE 120V POWER IN CEILING J-BOX FOR CONNECTION TO ELECTRIFIED MECHOSHADE. COORDINATE LOCATION & ALL REQUIREMENTS WITH THE GC & CUSTOMER.

[20] PROVIDE GFI RECEPTACLE WITHIN 25' OF MECHANICAL EQUIPMENT PER NEC ARTICLE 210-63. EXTEND

PROVIDE 120V POWER IN CEILING J-BOX FOR CONNECTION TO 12V DOOR CONTACTS FOR SECURITY

SAME 120V TO ANY APPLICABLE HVAC ACCESSORIES, IE CONDENSATE PUMP & SMOKE DETECTOR.
[21] PROVIDE WIREMOLD 30TP-2V OR 30TP-4V OR 25DTP-412(VIF) POWER POLE WITH DEVICES AS REFLECTED ON THE SHEET E2.1. REFER TO DETAIL 7 ON SHEET E1.2A FOR PICTORAL REFERENCE. COORDINATE LOCATION & ALL REQUIREMENTS WITH THE GC & CUSTOMER.

PROVIDE BUILDING STANDARD G4000 WIREMOLD ON STRUT STANDS @ 24" TO CENTER, VIF. ALL OF THE WIREMOLD INSTALLATIONS SHALL COMPLY W/NEC ART. 386. THE SUM OF THE CROSS SECTIONAL AREA OF ALL CONTAINED CONDUCTORS SHALL NOT EXCEED 20% OF INTERIOR CROSS SECTIONAL AREA OF WIREMOLD. FURTHERMORE, THERE SHALL NOT BE MORE THAN 30 CURRENT CARRYING CONDUCTORS AT ANY POINT IN THE WIREMOLD. CONDUITS FEEDING WIREMOLD SHALL ALSO COMPLY WITH ALL CONDUCTOR DERATING REQUIREMENTS AS REFLECTED IN NEC ART. 310-15. COORDINATE ALL WIREMOLD & RECEPTACLE LOCATIONS, REQUIREMENTS & INSTALLATIONS METHODS WITH THE GC & CUSTOMER. #10 CONDUCTOR DERATING IS AS FOLLOWS, & IS ACCEPTABLE (#10 AMPACITY 35A x .5 FOR 10-20 CONDUCTORS = 17.5A, WHICH IS GREATER THAN ACTUAL EQUIPMENT & CONDUCTOR LOAD OF

CUSTOMER. #10 CONDUCTOR DERATING IS AS FOLLOWS, & IS ACCEPTABLE (#10 AMPACITY 35A x.5 FOR 10-20 CONDUCTORS = 17.5A, WHICH IS GREATER THAN ACTUAL EQUIPMENT & CONDUCTOR LOAD OF 10-15A). SEE DETAIL 7 ON SHEET E2.1A FOR ADDITIONAL INSTALLATION REQUIREMENTS.

[23] PROVIDE 120V SHOW WINDOW RECEPTACLE FLUSH IN CEILING EVERY 12' PER NEC 210.62., 220.14. RECEPTACLES SHALL BE CONTROLLED VIA TC1 AS REFLECTED IN DETAIL 3 SHEET ON E1.2A.

[24] ALL ELECTRICAL EQUIPMENT IN THIS ROOM SHALL COMPLY WITH CLEARANCES PER NEC 110.26, VIF.

[25] EC TO VIF ALL DEVICE LOCATIONS & REQUIREMENTS IN THIS ROOM WITH GC PRIOR TO INSTALLATIONS.

[26] EXISTING SERVER ROOM IS NOT CLASSIFIED & CONSTRUCTED AS AN INFORMATION TECHNOLOGY EQUIPMENT ROOM. THUS, COMPLIANCE WITH NEC / CEC ARTICLE 645 IS NOT REQUIRED.

[27] ALL SERVER / IDF ROOM DATA WIRING, IF APPLICABLE, IS F&IBO. EC SHALL VIF WITH GC & CUSTOMER FOR ALL CONDUIT REQUIREMENTS FOR DATA LADDER RACK REQUIREMENTS AS APPLICABLE.

[28] PROVIDE 208V, 3Ø POWER & DISCONNECT SWITCH FOR CONNECTION TO ROOF MOUNT HVAC EQUIP. COORDINATE LOCATION & ALL REQUIREMENTS, INCLUDING CONTROL REQUIREMENTS, WITH THE MC.

[29] PROVIDE 480V, 3Ø POWER & DISCONNECT SWITCH FOR CONNECTION TO ROOF MOUNT HVAC EQUIP. COORDINATE LOCATION & ALL REQUIREMENTS, INCLUDING CONTROL REQUIREMENTS, WITH THE GC.

[30] PROVIDE 120V, 1Ø POWER & DISCONNECT SWITCH FOR CONNECTION TO ROOF MOUNT HVAC EQUIP.

COORDINATE LOCATION & ALL REQUIREMENTS, INCLUDING CONTROL REQUIREMENTS, WITH THE MC.

[31] REFLECTED CIRCUITS (VIF) ARE EXISTING IN CEILING JB FROM PREVIOUS LAYOUT CONFIGURATION.

EC SHALL EXTEND EXISTING CIRCUITRY TO NEW &/OR RELOCATED RECEPTACLES AS REFLECTED.

[32] PROVIDE MISCELLANEOUS ELECTRICAL DEMO IN THIS ROOM, REFER TO ARCHITECTURAL DEMO PLAN.

[33] PROVIDE 480V, 3Ø POWER & DISCONNECT SWITCH FOR CONNECTION TO ROOF MOUNT HVAC EQUIP.

COORDINATE LOCATION & ALL REQUIREMENTS, INCLUDING CONTROL REQUIREMENTS, WITH THE MC.

[34] PROVIDE 30 kVA, 480V Δ TO 208Y/120V, 3Ø, N1, XFMR AT REFLECTED LOCATION. SEE SLD ON E0.1 &

DETAIL 2 ON SHEET E1.2A FOR WIRING & GROUNDING REQUIREMENTS. VIF XFMR LOCATION WITH GC.

SEE DETAIL 4 ON SHEET E1.2A, & STRUCTURAL DRAWING AS APPLICABLE FOR ANCHORING XFMR TO EX

FLOOR SLAB. UPON PROJECT COMPLETION & WITH XFMR UNDER FULL LOAD, VIF XFMR SECONDARY

OUTPUT VOLTAGE, & ADJUST TAPS AS REQ'D TO MAINTAIN 208V (L-L) & 120V (L-G). EC TO VIF CONDUIT

ROUTING PATH FOR NEW XFMR FROM SOURCE PANEL, & PROVIDE JB'S AS REQ'D FOR NEC COMPLIANCE.

[35] PROVIDE 75 kVA, 480V Δ TO 208Y/120V, 3Ø, N1, XFMR AT REFLECTED LOCATION. SEE SLD ON E0.1 &

DETAIL 2 ON SHEET E1.2A FOR WIRING & GROUNDING REQUIREMENTS. VIF XFMR LOCATION WITH GC.

DETAIL 2 ON SHEET E1.2A FOR WIRING & GROUNDING REQUIREMENTS. VIF XFMR LOCATION WITH GC. SEE DETAIL 4 ON SHEET E1.2A, & STRUCTURAL DRAWING AS APPLICABLE FOR ANCHORING XFMR TO EX FLOOR SLAB. UPON PROJECT COMPLETION & WITH XFMR UNDER FULL LOAD, VIF XFMR SECONDARY OUTPUT VOLTAGE, & ADJUST TAPS AS REQ'D TO MAINTAIN 208V (L-L) & 120V (L-G). EC TO VIF CONDUIT ROUTING PATH FOR NEW XFMR FROM SOURCE, & PROVIDE JB'S AS REQUIRED FOR NEC COMPLIANCE. [36] PROVIDE NEW BUILDING STANDARD (IEM OR APPROVED =) 2000A, 208Y/120V, 3Ø, 4W, N1, 200% N, 50 KAIC, 100%, MCB, SURFACE DISTRIBUTION. PANEL. SEE SLD ON SHEET E2.3 FOR WIRING, GROUNDING & APPLICABLE INSTALLATION REQUIREMENTS. COORDINATE LOCATION WITH THE GC & CUSTOMER. [37]PROVIDE NEW BUILDING STANDARD (IEM OR APPROVED =) 1200A, 480Y/277V, 3Ø, 4W, N1, 50 KAIC, 80%, MLO, SURFACE MOUNT DISTRIBUTION PANEL. SEE SLD ON SHEET E2.3 FOR WIRING, GROUNDING & APPLICABLE INSTALLATION REQUIREMENTS. COORDINATE LOCATION WITH THE GC & / OR MITAC. EC TO

B] PROVIDE 4"x36" ABOVE GRADE GRS CONCRETE FILLED BOLLARD WITH CAP AT REFLECTED LOCATIONS. BOLLARDS SHALL BE PAINTED CAUTION YELLOW & SHALL BE SECURED TO FLOOR VIA (4)5/8"x 4" WEDGE ANCHORS. COORDINATE LOCATIONS/ALL REQ'S WITH GC, & STRUCTURAL DRAWINGS IF APPLICABLE.

P] REPLACE EXISTING MSB1 UGPS & MSB1 MAIN SWITCH SECTIONS WITH NEW MSB1 UTILITY SECTION & NEW MSB1 MAIN SWITCH & 3P ATS SECTION. SWBD TO BE 4000A, 480Y/277V, 3Ø, 4W, N1, 65 KAIC W/1 UTILITY METER SOCKET & (2)4000/3 65 KAIC, 80% RATED MAIN BREAKERS AS IS REFLECTED IN SLD. SEE DETAILS & SPECIFICATION SHEETS ON SHEET E2.3, WHICH ARE REFLECTED FOR REFERENCE ONLY. EC TO PROCURE SHOP DRAWINGS FROM SWBD VENDOR, & SUBMIT TO PG&E & CITY OF FREMONT FOR APPROVAL, ALONG WITH ELECTRICAL DESIGN, PRIOR TO PURCHASE OF SWBD. SEE SLD ON E2.3 & APPLICABLE ADDITIONAL REQUIREMENTS ON E2.1 FOR WIRING & GROUNDING REQ'S. IF APPLICABLE, REFER ALSO TO GENERAL NOTE 43 ON E0.1.

VIF CONDUIT ROUTING PATH FOR (N)DPH1 FROM MSB, & PROVIDE JB'S AS REQ'D FOR NEC COMPLIANCE.

REFER ALSO TO GENERAL NOTE 43 ON EU.T.

10] EQUIPMENT SHALL BE SECURED TO EXISTING EQUIPMENT PAD PER THE EQUIPMENT SPECIFICATIONS, & THE STRUCTURAL DRAWINGS IF APPLICABLE. THE EQUIPMENT WEIGHS >400 LBS. THUS, EQUIPMENT IS REQUIRED TO HAVE SEISMIC ANCHORING PER CBC / UBC. REFER TO APPLICABLE STRUCTURE DRAWINGS OR DETAIL 4-E1.2A ON SHEET E1.2A FOR ALL EQUIPMENT MOUNTING REQUIREMENTS.

11] EC SHALL HAVE NEW MSB1 TESTED & CERTIFIED BY AN APPROVED TESTING AGENCY, I.E POWER SYSTEMS INC. THE TESTING SHALL INCLUDE MAIN BREAKER TESTING & GROUND RESISTANCE TESTING. A COPY OF THE TESTING REPORT TO BE SUBMITTED TO THE CUSTOMER. A CERTIFICATION STICKER SHALL BE SECURED TO SWITCHBOARD ADJACENT TO THE MSB1 MAIN BREAKER.

NEW 2750 kW, 480Y/277V, 3Ø, 4W, STANDBY GENSET IS FURNISHED BY SYNNEX, & INSTALLED BY THE EC.

SEE SLD ON E2.3 FOR ALL WIRING & GROUNDING REQUIREMENTS. GENSET SHALL BE INSTALLED ON

NEW EQUIPMENT PAD (PAD F&IBO) PER THE NEC & THE GENSET MANUFACTURER'S SPECIFICATIONS. REFER TO STRUCTURAL DRAWINGS FOR GENSET ANCHORAGE REQUIREMENTS TO THE NEW EQUIPMENT PAD. COORDINATE GENSET LOCATION, ORIENTATION, & ALL REQUIREMENTS WITH THE THE GC & SYNNEX. EC SHALL SUBMIT A COPY OF THE GENSET SPECIFICATIONS ALONG WITH ELECTRICAL & STRUCTURAL DESIGNS TO THE CITY OF FREMONT FOR THEIR APPROVAL. SEE ALSO GENSET DRAWINGS ON E2.2 WHICH ARE REFLECTED FOR REFERENCE ONLY. EC TO VIF ALL GENSET REQUIREMENTS WITH GENSET VENDOR. REFLECTED GENSET FOOT PRINT & GENSET LOCATION IS FOR REFERENCE ONLY, SEE GENSET SPECIFICATIONS FOR GENSET DIMENSIONS. REFER TO ARCHITECTURAL & STRUCTURAL DRAWINGS FOR GENERATOR PLAN & ELEVATION DETAILS, AS APPLICABLE.

PROVIDE UG CONDUITS, SIZED PER THE REFLECTED FEEDER TAGS, FROM GENSET TO NEW BUS DUCT
TRANSITION CABINET AS IS REFLECTED ON THIS SHEET. COORDINATE CONDUIT STUB UP LOCATIONS
AT THE GENSET WITH THE GENSET SPECIFICATIONS & E2.2 PRIOR TO ALL INSTALLATIONS. REFER ALSO
TO DETAIL 1-E1.2A ON SHEET E1.2A FOR UG CONDUIT INSTALLATION REQUIREMENTS.
PROVIDE 120V & 208V, 1Ø POWER, EX PNL R1.1-21&23,25 (VIF), FOR GENSET BATTERY CHARGER & BLOCK
HEATER & GFI SERVICE RECEPTACLE. COORDINATE BATTERY CHARGER & BLOCK HEATER POWER

HEATER & GFI SERVICE RECEPTACLE. COORDINATE BATTERY CHARGER & BLOCK HEATER POWER LOCATIONS & ALL REQUIREMENTS WITH THE GENSET SPECIFICATIONS. THE REFLECTED CKTS ARE EXISTING IN PANEL R1.1 FROM PREVIOUS LOADS, THUS NO NEW LOADS ARE ADDED TO EX PANEL R1.1.

] PROVIDE (2) 1" CONDUITS FROM GENERATOR TO BUS DUCT TRANSITION CABINET. ONE WILL BE FOR FUTURE GENERATOR REMOTE ANNUNCIATOR PANEL RAP1 IF APPLICABLE. THE SECOND CONDUIT IS A SPARE. COORDINATE ANNUNCIATOR REQUIREMENTS, INCLUDING THE REQUIRED CONTROL WIRES IF APPLICABLE, WITH GENSET SPECIFICATIONS & GC, & FIELD CONDITIONS.

[46] EC TO PROVIDE A RED PHENOLIC 4" X 6" PLACARD WITH WHITE LETTERING ON FACE OF NEW MSB1 & EX MSB2. PLACARDS TO INDICATE "PANEL MSB1 & MSB2 IS FED VIA UTILITY POWER, & EMERGENCY POWER VIA STANDBY GENERATOR LOCATED AT BUILDING EXTERIOR". SEE ALSO SLD ON E2.3 FOR REQ'S.

[47] PROVIDE N1 CUSTOM BUS DUCT TRANSITION CABINET MANUFACTURED BY IEM, FOR TRANSITION FROM THE 4000A CABLE FEEDER TO 4000A BUS DUCT FEED. CABINET TO BE SECURED TO EXISTING SLAB ON GRADE & EXISTING EXTERIOR WALL PER THE MANUFACTURERS SPECIFICATIONS. CABINET TO BE BONDED WITH THE #500 MCM AWG CU EGC FROM THE 4000A FEEDER. VERIFY WITH IEM ALL CABINET REQUIREMENTS. VIF WITH THE GC & SYNNEX FOR CABINET LOCATION & ALL REQUIREMENTS. REFER TO GENERAL NOTE 7 & 16 ON SHEET E0.1 FOR ADDITIONAL REQUIREMENTS.

[48] PROVIDE 36W"x24D"x90H" N3R CUSTOM CABINET FOR THE GENERATOR 4000A FEEDER TO THE BUS DUCT

TRANSITION CABINET. CABINET TO BE USED FOR TRANSITIONING THE UG 4000A GENERATOR FEEDER THROUGH THE WALL TO THE BUS DUCT TRANSITION CABINET. CABINET TO BE SECURED TO EXISTING SLAB ON GRADE & EXISTING EXTERIOR WALL PER THE MANUFACTURERS SPECIFICATIONS. CABINET TO BE BONDED WITH THE #500 MCM AWG CU EGC FROM THE 4000A FEEDER. VIF WITH SYNNEX ALL REQ'S. PROVIDE (11) 4" & (3) 1" GRS NIPPLES FROM THE N3R CUSTOM CABINET THROUGH THE EXISTING EXTERIOR WALL TO THE CUSTOM BUS DUCT CABINET. EC SHALL X-RAY EXISTING PRECAST WALL PRIOR TO ANY & ALL CORING TO VERIFY THE WALL IS FREE FROM OBSTRUCTIONS. ALL CORES SHALL BE FIRE SEALED PER DETAIL 5-E1.2A ON SHEET E1.2A PRIOR TO INSTALLING THE CABINETS. VIF ALL REQ'S. DIPROVIDE BUILDING STANDARD GE SPECTRA SERIES 4000A, 600V, 3Ø, 5W, 65 KA ALUMINUM BUSWAY ON NEW STRUT TRAPEZE RACKING FROM NEW BUS DUCT TRANSITION CABINET TO FEED NEW MSB1 SECTION AS REFLECTED. BUSWAY ASSEMBLY INSTALLATIONS SHALL COMPLY WITH NEC ART 368, WITH GE BUSWAY INSTALLATION SPECIFICATIONS, WITH APPLICABLE STRUCTURAL DRAWINGS, WITH DETAIL 3-E1.2A ON SHEET E1.2A, & SHALL CONFORM TO EXISTING SYNNEX BUSWAY ASSEMBLY STANDARDS. VIF BUSWAY LOCATION & ROUTING PATH, & ALL REQUIREMENTS. THE PHYSICAL DIMENSIONS OF THE BUSWAY ARE 23"W x 4.5"H, & WEIGHS 30 LBS. PER FOOT.

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HAEL JOBE ENGINEERING (19)

TRICAL DESIGN SERVICES
ELECTRICAL CONTRACTORS
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NEW STANDBY GENERATOR INSTALLATION E, BUILDING 4 - FREMONT, CA 94538 RTIAL SITE PLAN, SCHEDULES

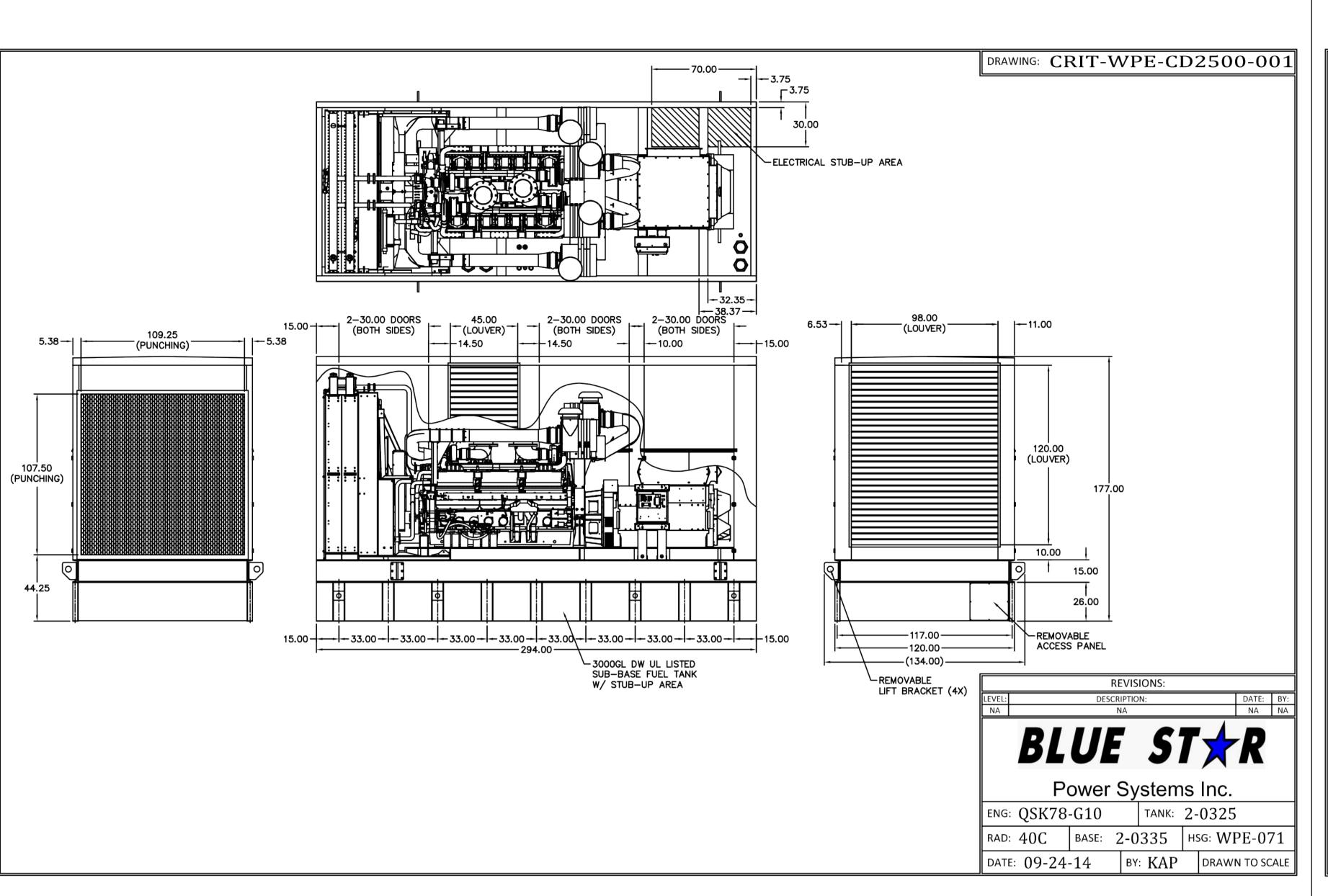
EXISTING BUILDING - NEW STANDBY GE 44217 NOBEL DRIVE, BUILDING 4 - F SYNNEX B4 PARTIAL SITE P

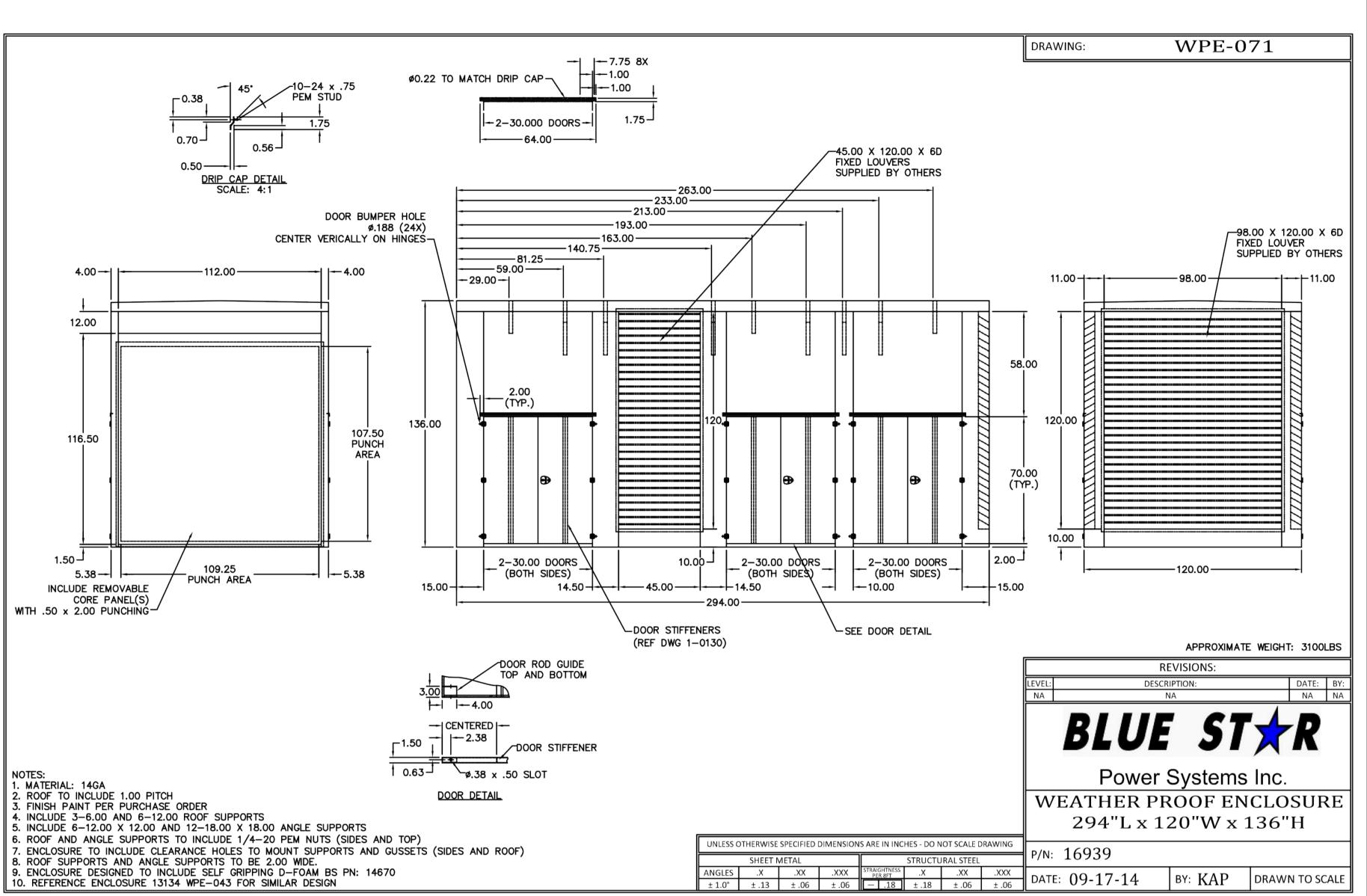
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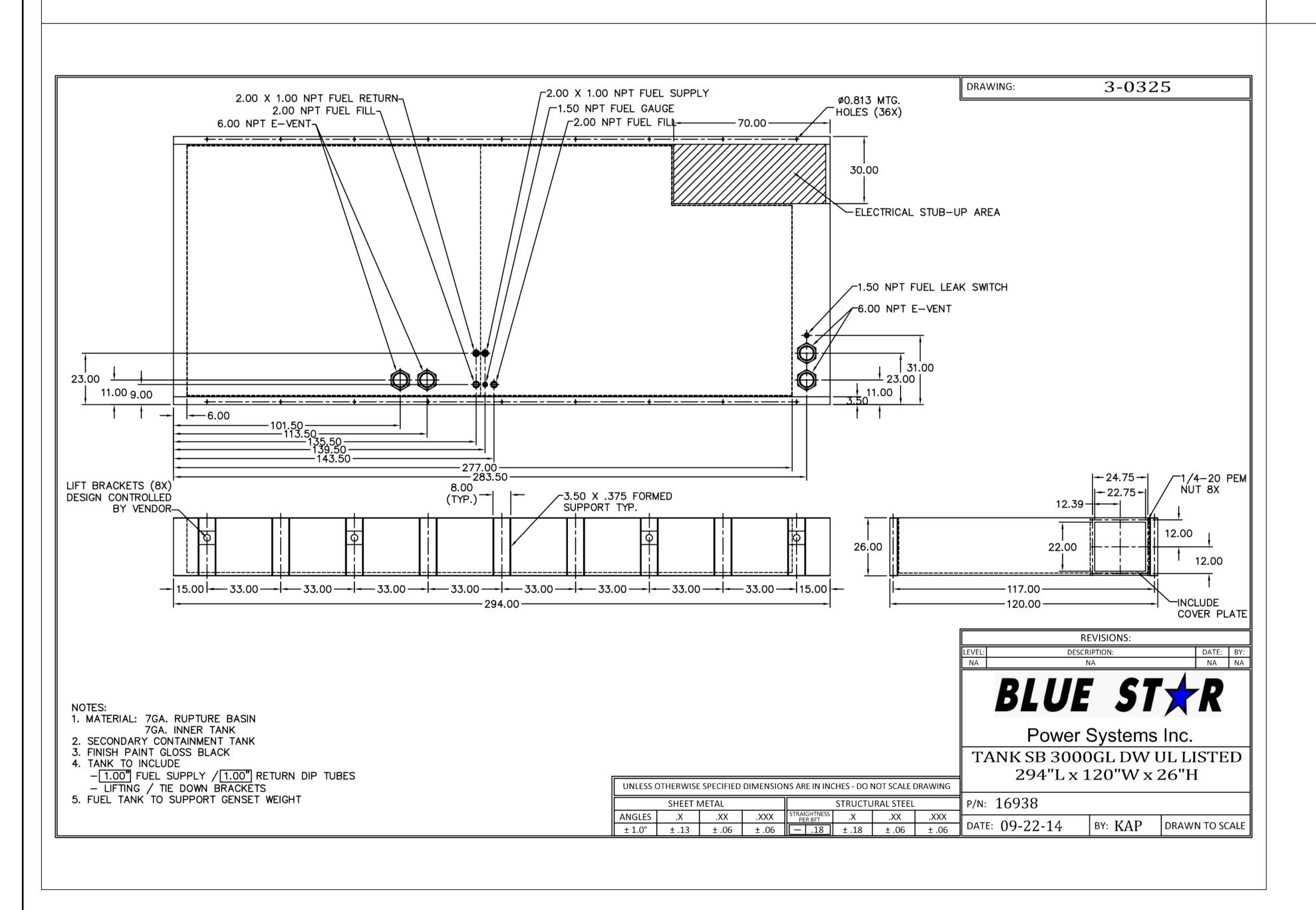
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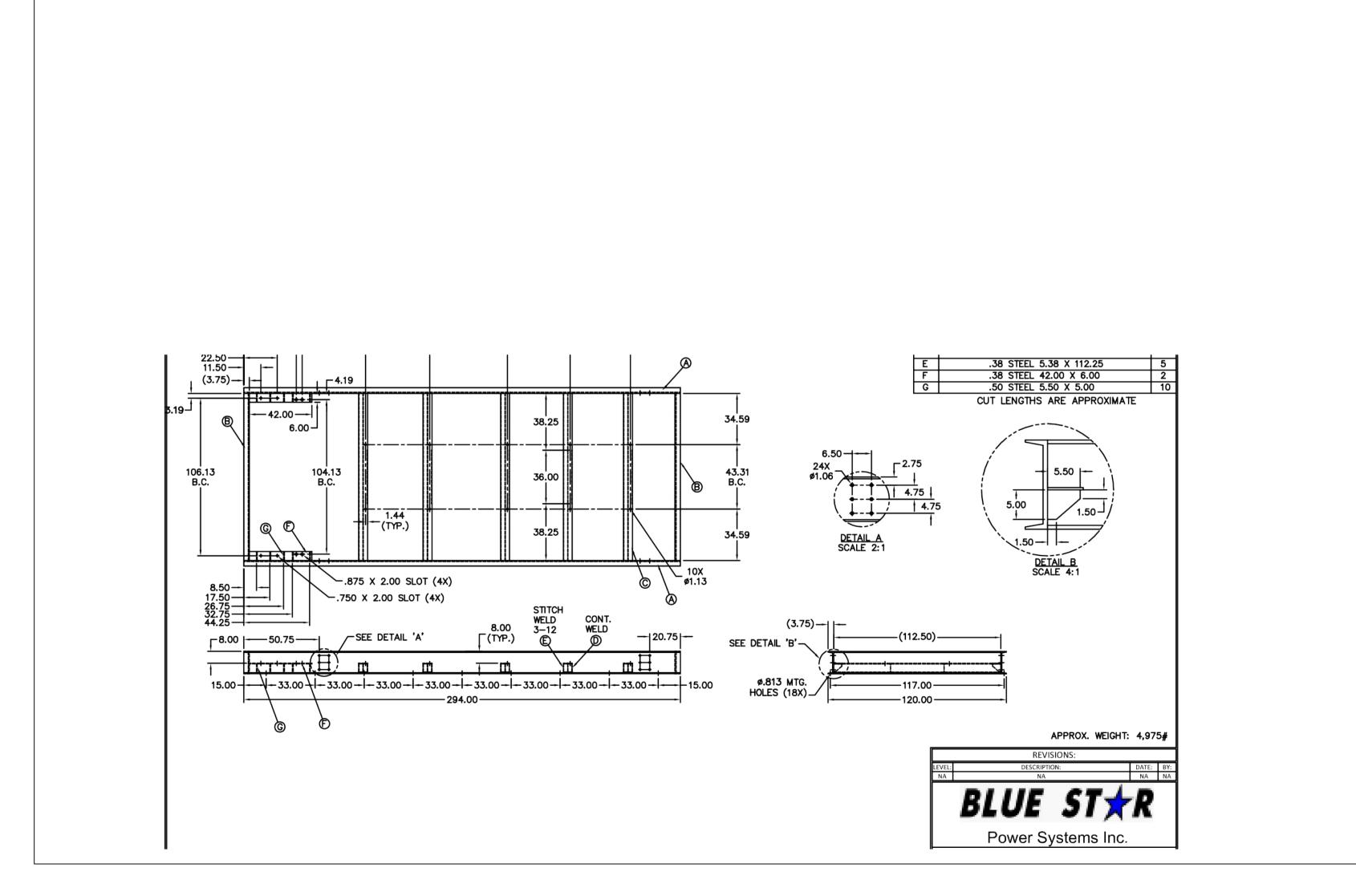
Job MJE #14116

E2.13 Of 5 Sheet









ABOVE GENERATOR DRAWINGS ARE PROVIDED BY CUMMINS POWER GENERATION, NOT BY MJE OR TCE ELECTRIC. GENSET SPECIFICATION SHEETS PROVIDED TO EC, WITH NEC & ADDITIONAL REQUIREMENTS AS REFLECTED ON SHEET E2.1 & E2.3.

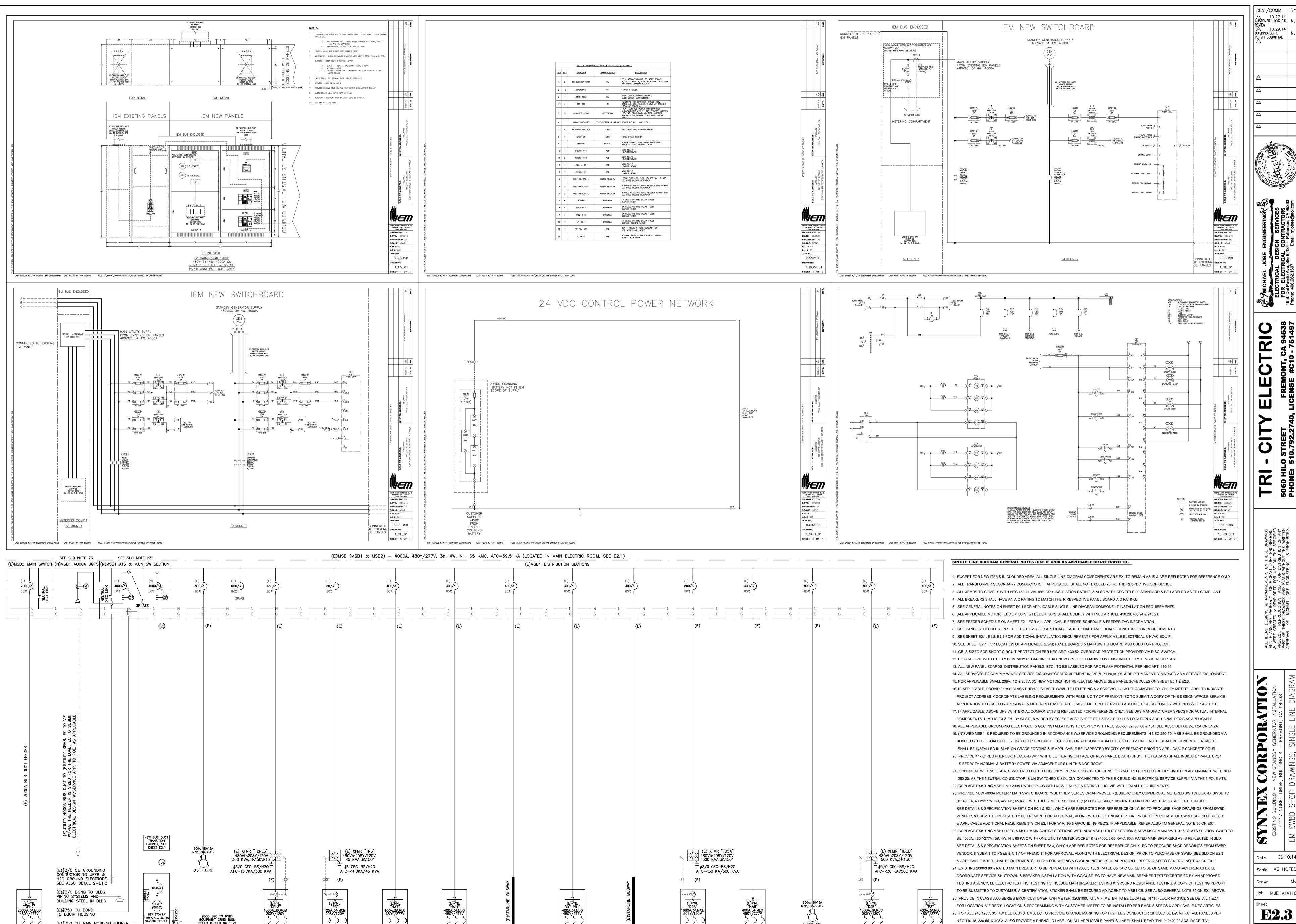
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Date 09.10.14 Scale AS NOTED

Job MJE #14116 **E2.2**

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(E)#750 CU MAIN BONDING JUMPER-

Date 09.10.14

Scale AS NOTE

Job MJE #14116 **E2.3**

5 Of 5 Sheets

NEC 110-15, 230-56, & 408.3. ALSO PROVIDE A PHENOLIC LABEL ON ALL APPLICABLE PANELS. LABEL SHALL READ "PNL **-240/120V,3Ø,4W DELTA"

(E)CHILLER1