

-NO

**SHOP DRAWING / SUBMITTAL REVIEW**

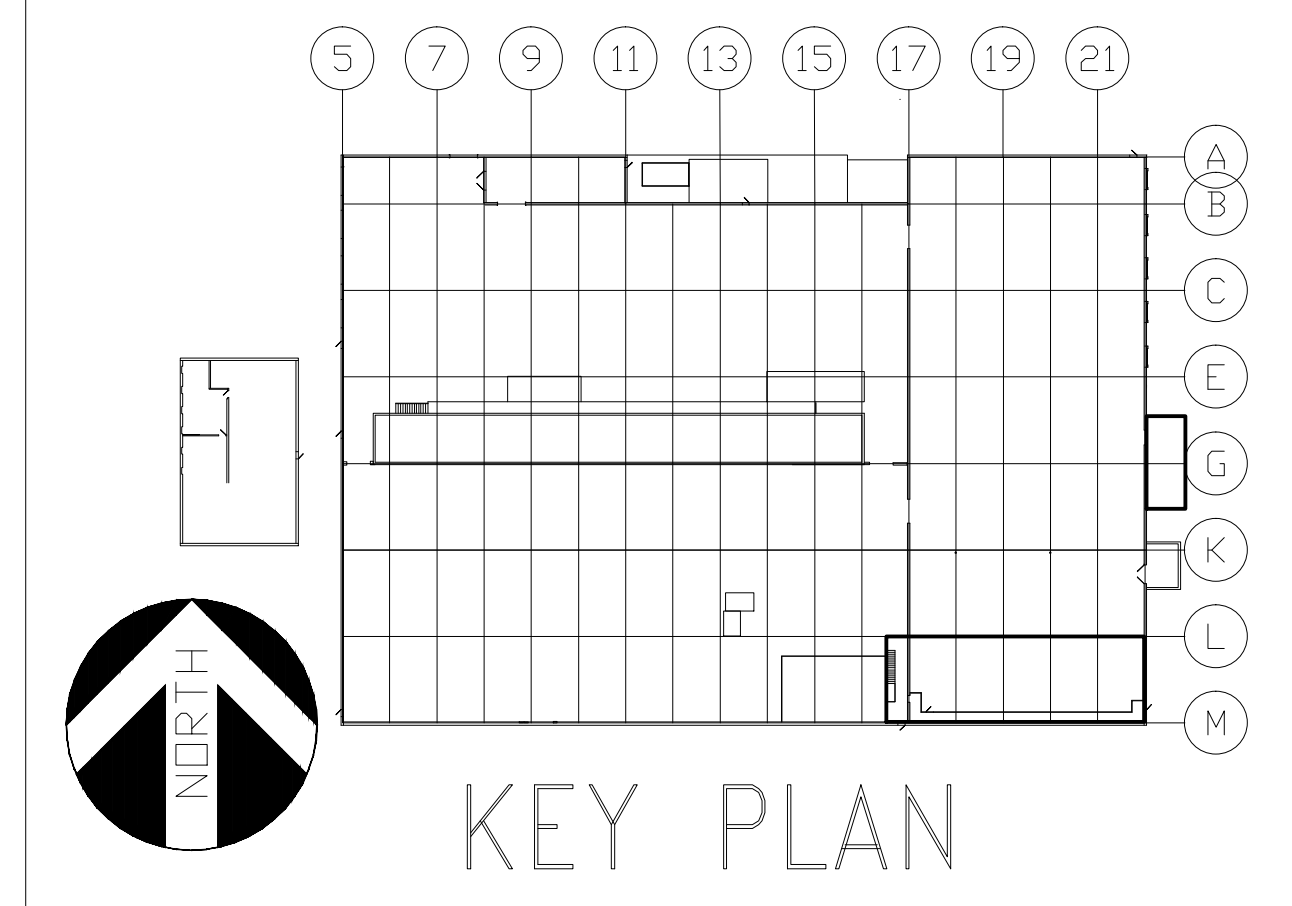
REVIEWED       REVIEWED AS NOTED  
 REVISE AND RESUBMIT       REJECTED

Project No.: \_\_\_\_\_ Submittal No.: \_\_\_\_\_

Corrections or comments made on the shop drawings during this review do not relieve the contractor from compliance with requirements of the drawings and specifications. This check is only for review of the general performance with the design concept of the project and general compliance with the information given in the contract documents. This contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his or her work with that and other trades and performing all in a safe and satisfactory manner.

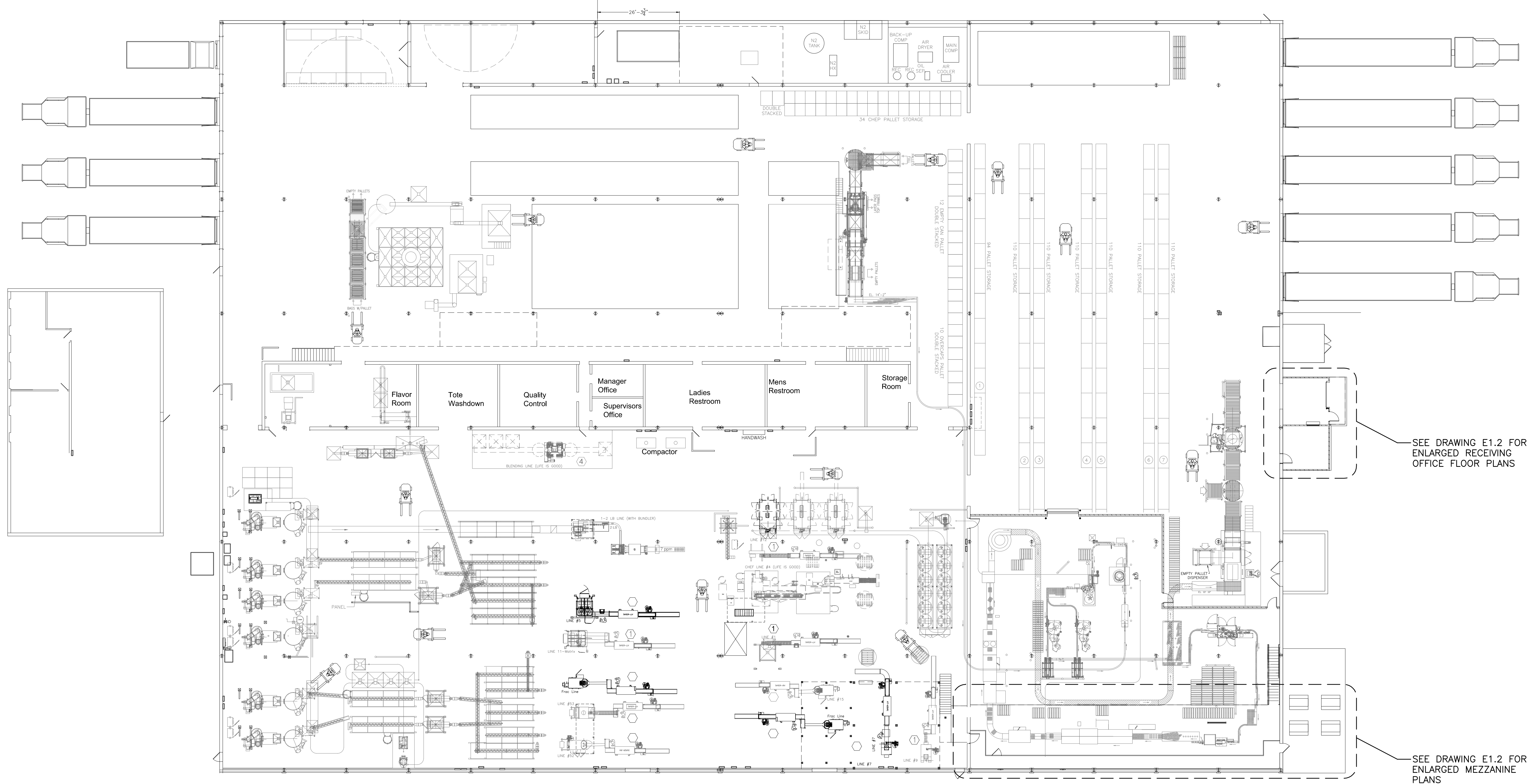
By: \_\_\_\_\_ Date: \_\_\_\_\_

**DAMMON ENGINEERING, INC.**  
Siddell, LA



**GENERAL NOTES**

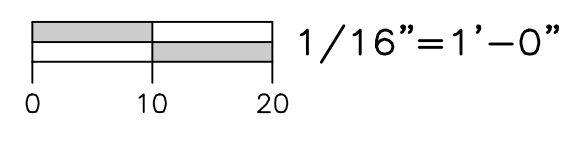
- THE ELECTRICAL DRAWINGS FURNISHED BY DESIGN GROUP FACILITY SOLUTIONS, LLC ARE FOR POWER DESIGN ONLY. PROCESS DESIGN AND INSTALLATION ARE PROVIDED BY OTHERS. THIS ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER AND OWNER'S VENDORS/CONTRACTORS AS REQUIRED.
- FOLLOW ALL APPLICABLE CODES AND USE GOOD INDUSTRIAL PRACTICES AND STANDARDS WHEN DETERMINING CONDUIT TYPES AND SIZES, TO INCLUDE SPARE CAPACITY. INSTALL WIRING IN CONDUITS AS FOLLOWS UNLESS NOT ALLOWED BY LOCAL ORDINANCE:
  - UNDERGROUND: PVC RIGID NON-METALLIC CONDUIT (RNC) AND TRANSITION TO RIGID GALVANIZED STEEL CONDUIT (RMC) BEFORE PENETRATING SLAB INTO ROOM. SEAL ALL CONDUITS FOR WATERTIGHT/APERTIGHT PROTECTION. WHERE CONDUIT ENTERS THE BUILDING, UTILIZE SEALING FITTINGS WITH MOISTURE RESISTANT FIRE STOP PUTTY.
  - UNDER SLAB CONDUIT WITHIN THE BUILDING IS NOT PERMITTED UNLESS SPECIFICALLY IDENTIFIED ON THE CONTRACT DRAWINGS.
  - EXPOSED OUTDOORS: RIGID GALVANIZED STEEL CONDUIT (RMC) AND PROVIDE EXPANSION FITTINGS WHERE REQUIRED.
  - OFFICE AREAS: METAL CLAD (MC) CABLE CONCEALED IN WALLS AND ABOVE CEILINGS; HOMERUNS SHALL BE IN ELECTRICAL METALLIC TUBING (EMT). WIRING THAT CANNOT BE CONCEALED SHALL BE ROUTED EXPOSED IN EMT.
  - ALL REMAINING INDUSTRIAL AREAS: ELECTRICAL METALLIC TUBING (EMT) WITH COMPRESSION FITTINGS.
  - CONTACT THE ENGINEER FOR ANY AREAS IN QUESTION PRIOR TO BID.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR ALL SLEEVES AND PENETRATIONS REQUIRED THROUGH FOUNDATION WALLS AND CONCRETE FLOORS FOR SERVICE ENTRANCE WIRING AND STRUCTURE GROUNDING ELECTRODE CONDUCTORS.
- GALVANIZED RIGID STEEL SLEEVES SHALL BE PROVIDED FOR ALL CONDUITS PASSING THROUGH FLOORS AND WALLS. THE SLEEVES SHALL EXTEND 2-INCHES PAST THE WALL SURFACE ON BOTH SIDES AND BE 1/4" LARGER THAN THE CONDUIT PASSING THROUGH THE SLEEVE.
- MINIMUM CONDUIT SIZE SHALL BE 3/4" CONDUIT IN ALL AREAS.
- MINIMUM WIRE SIZE SHALL BE #12 AWG COPPER UNLESS NOTED OTHERWISE REFER TO SPECIFICATIONS 16050 FOR CONDUCTOR INSULATION RATINGS.
- PROVIDE AN INSULATED GROUND WIRE IN ALL CONDUIT, CABLEING AND TUBING.
- ALL CIRCUITS SHALL BE CONNECTED TO A 20A CIRCUIT BREAKER IN THE PANEL DESIGNATED ON PLAN, UNLESS OTHERWISE INDICATED.
- PROVIDE #10 AWG. FOR 120V HOMERUNS EXCEEDING 55'-0" IN LENGTH, #8 AWG. FOR 120V HOMERUNS EXCEEDING 90'-0" IN LENGTH, #6 AWG. FOR 120V HOMERUNS EXCEEDING 140'-0" IN LENGTH AND #4 AWG. FOR 120V HOMERUNS EXCEEDING 230'-0" IN LENGTH.
- MOUNT RECEPTACLES AT +46" ABOVE FINISH FLOOR THROUGHOUT THE INDUSTRIAL AREAS AND AT +18" ABOVE FINISH FLOOR IN THE OFFICE AREAS.
- RECEPTACLE OUTLETS INDICATED BACK TO BACK ON RECESSED WALLS SHALL BE LOCATED OFFSET, IN SEPARATE STUD BAYS, WHERE POSSIBLE, TO MINIMIZE SOUND TRANSMISSION.
- VERIFY EXACT LOCATION OF FLOOR BOXES, RECEPTACLES AND TELEPHONE/DATA OUTLETS WITH FURNITURE LAYOUTS PRIOR TO INSTALLATION.
- WHERE RACEWAYS ARE ROUTED EXPOSED, VERTICALLY IN INDUSTRIAL AREAS, THEY SHALL BE ROUTED WITHIN THE WEB OF A COLUMN OR ADJACENT TO A COLUMN ON A WALL, WHEREVER POSSIBLE, TO PROTECT FROM DAMAGE.
- THERE SHALL NOT BE ANY CONDUITS INSTALLED HORIZONTALLY BELOW THE CEILING OR BAR JOIST SPACE AS BEST AS PRACTICAL. ALL EQUIPMENT AND DEVICES SHALL BE FED WITH VERTICAL CONDUIT DROPS FROM THE CEILING OR BAR JOIST LEVEL.
- WHERE MECHANICAL OR OTHER EQUIPMENT CONNECTIONS ARE SHOWN WITHOUT LOCAL DISCONNECT SWITCH SHALL MEAN THAT IT IS FURNISHED BY OTHERS OR FURNISHED WITH THE UNIT.
- WHERE A MOTOR STARTING SWITCH OR DISCONNECT IS INDICATED ADJACENT TO MECHANICAL OR OWNER EQUIPMENT, THE SWITCH SHALL BE MOUNTED ON BUILDING STEEL OR WALL. PROVIDE LIQUIDTIGHT FLEXIBLE CONDUIT FROM SWITCH TO THE UNIT. MOUNTING TO THE MECHANICAL OR OWNER EQUIPMENT WILL NOT BE ACCEPTED.
- COMBINING CURRENT-CARRYING CONDUCTORS IN ONE CONDUIT (FOR POWER WIRING ONLY):
  - DO NOT COMBINE ANY MORE THAN 9#12 OR 6#10 CURRENT-CARRYING CONDUCTORS IN THE SAME CONDUIT, UNLESS NOTED OTHERWISE.
  - PROVIDE 3/4" CONDUIT FOR THE 9#12 AND 6#10 IN THE OFFICE AREAS.
  - MORE THAN THREE CURRENT-CARRYING CONDUCTORS AND LARGER THAN #10 SHALL NOT BE COMBINED IN THE SAME CONDUIT AND SHALL HAVE DEDICATED CONDUIT ONE SIZE LARGER THAN WHAT THE CODE TABLES RECOMMEND.
 IT SHALL BE THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO COMPLETE THE CALCULATIONS FOR THE ADJUSTMENT FACTOR(S) APPLIED TO THE COMBINING OF CIRCUITS.
- WHEN CONDUITS ARE EXPOSED THEY SHALL BE ROUTED AS BEST AS PRACTICAL TO BE PROTECTED FROM EQUIPMENT DAMAGE.



SEE DRAWING E1.2 FOR ENLARGED RECEIVING OFFICE FLOOR PLANS

SEE DRAWING E1.2 FOR ENLARGED MEZZANINE PLANS

**OVERALL POWER PLAN**

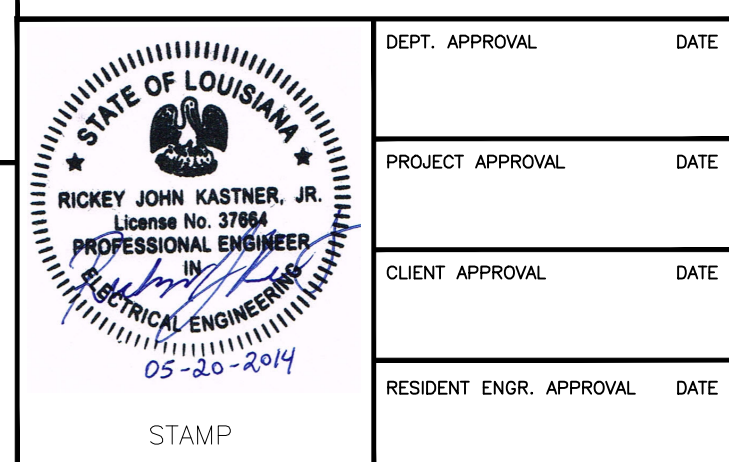


ELECTRICAL DRAWING LIST	
E1.1 - OVERALL FLOOR PLAN ELECTRICAL	
E1.2 - ENLARGED FLOOR PLAN ELECTRICAL	
E1.3 - OVERALL FLOOR PLAN LIGHTING	
E2.1 - ENLARGED FLOOR PLAN LIGHTING	
E3.1 - ENLARGED FLOOR PLAN POWER	
E3.2 - ROOF PLAN AND DETAILS POWER	
E5.1 - ELECTRICAL ONE LINE DIAGRAM	
E5.2 - ELECTRICAL SCHEDULES	
E5.3 - ELECTRICAL SCHEDULES	



**STATEMENT OF SUPERVISION**  
THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.

ISSUE DATE: 02/27/14



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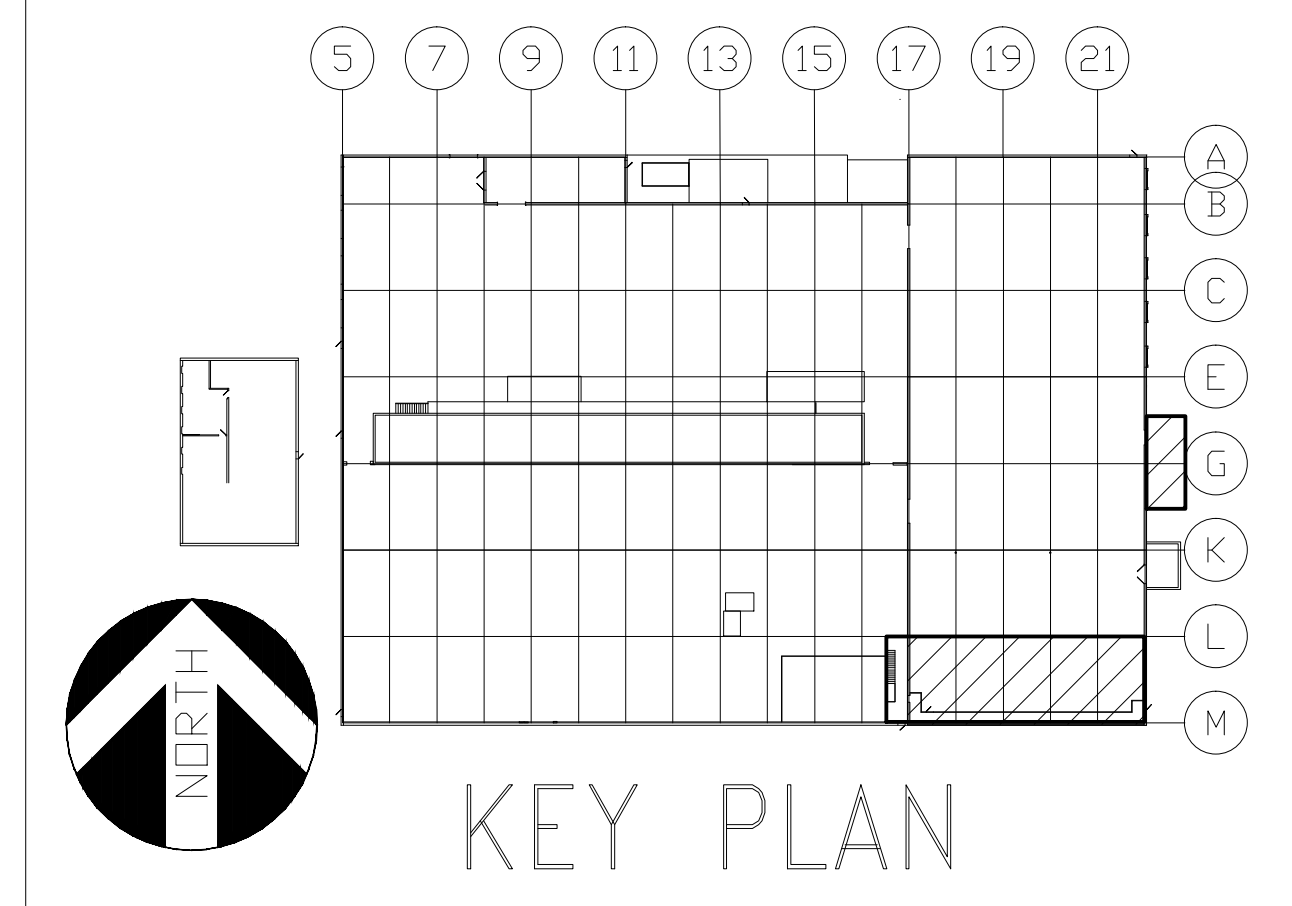
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GAP	01/07/2014
MATERIAL	
REVISION	
SCALE	1/16"=1'-0"

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LEVEL	TECH
LINE NO.	PRESENTATION
EQUIP. NO.	PLANT
DWG. LIST	PROD. AREA
SUB ASSY. NO.	DESCRIPTOR
QUANTITY	BLDG. NO.
<b>PROJECT ORANGE</b>	
<b>OVERALL FLOOR PLAN</b>	
<b>ELECTRICAL</b>	
<b>JMS FOODSERVICE LLC</b>	
DRAWING NUMBER <b>E1.1</b>	
SUPERSEDES	

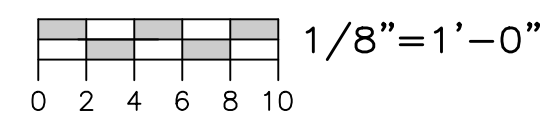
ISSUE  
A ELECTRICAL REVISIONS  
GAP 03/18/14  
SMUCKER BORDER

PHASE 1

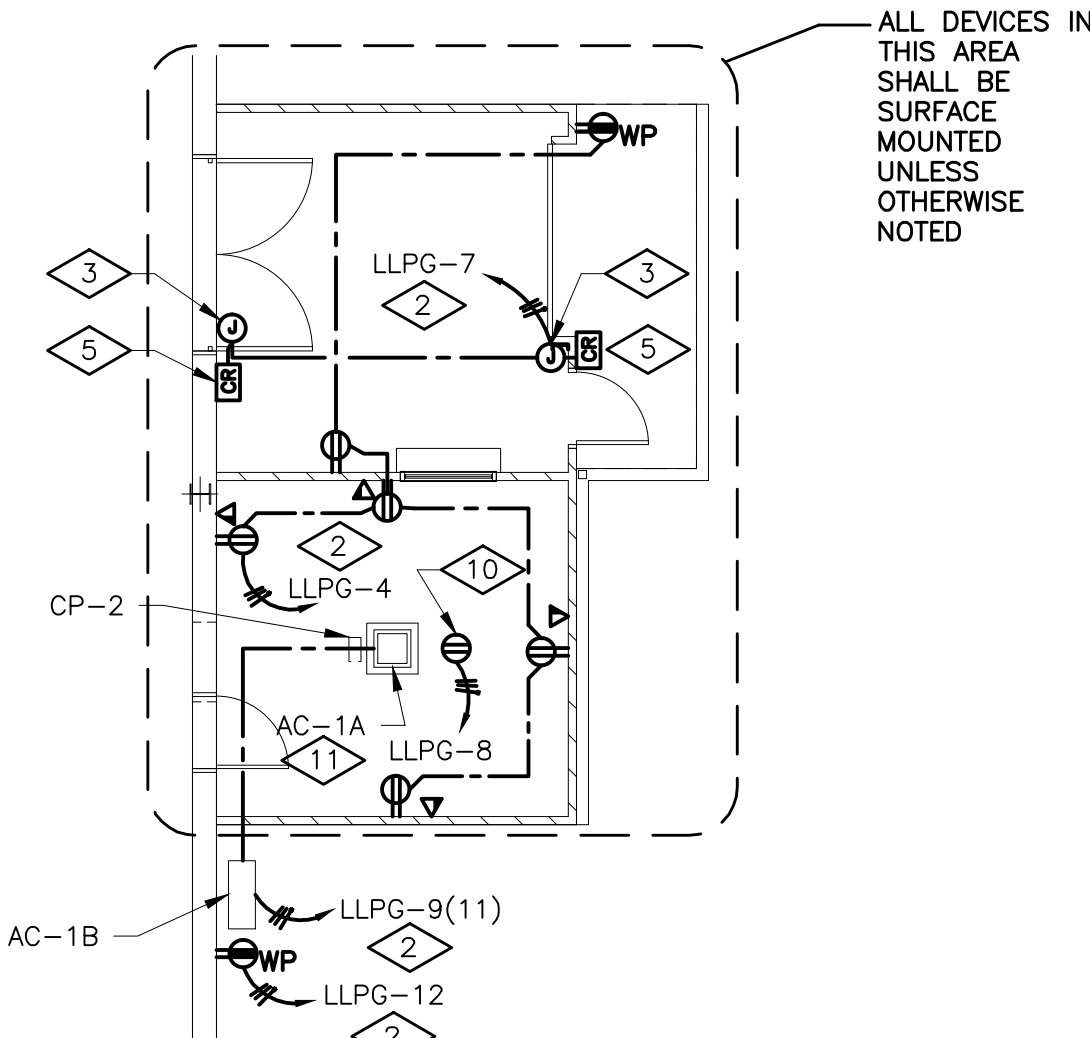
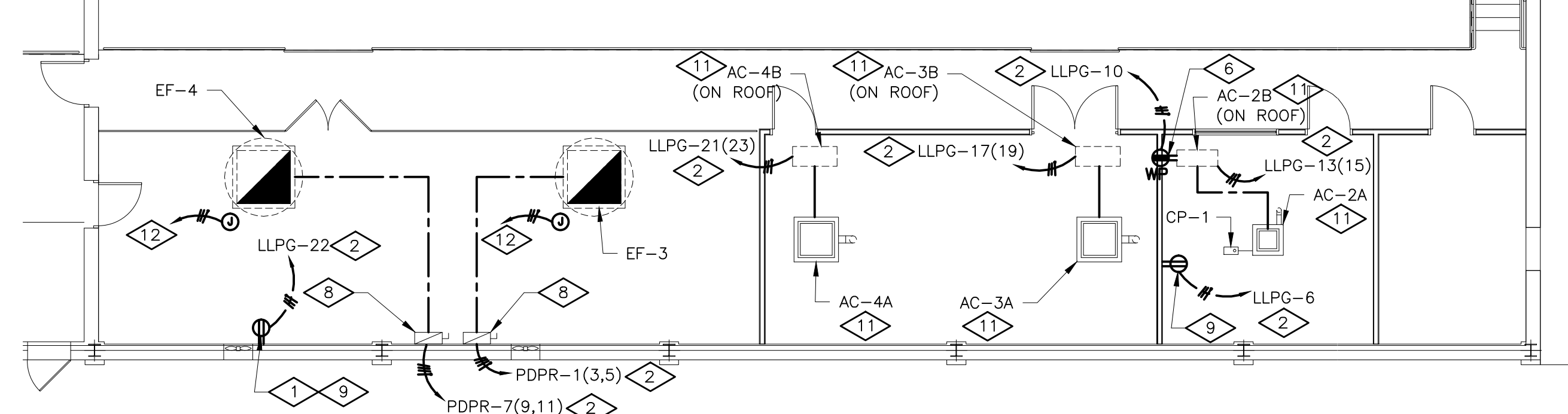
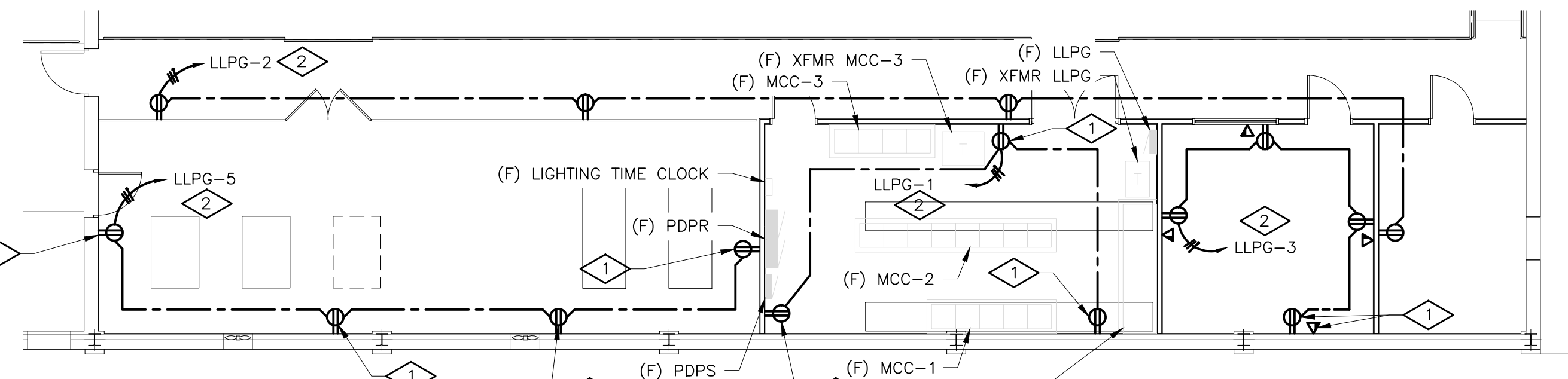
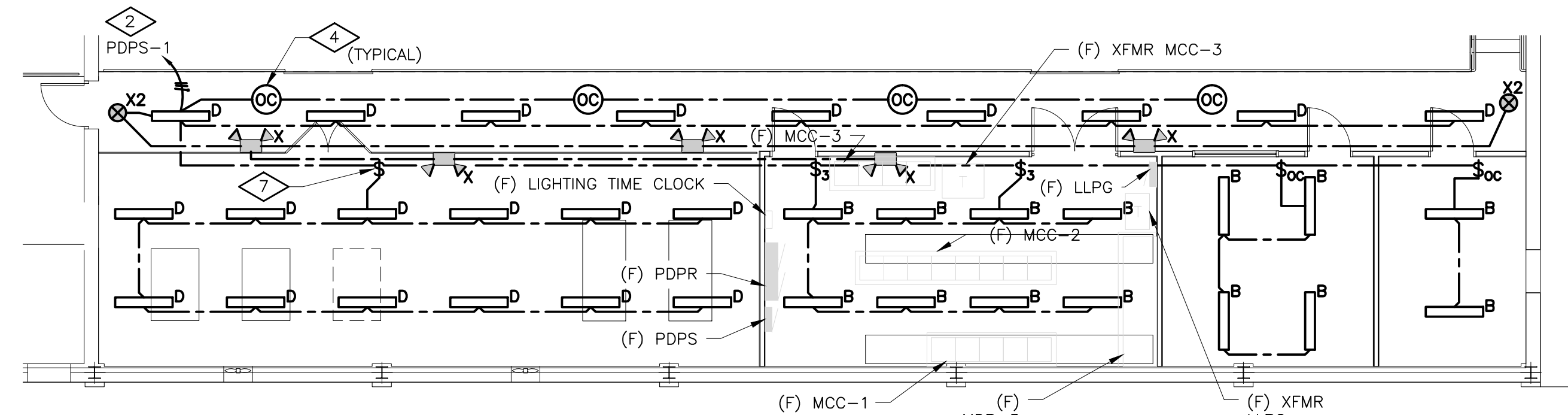
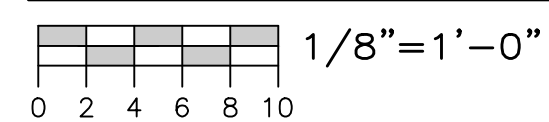
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RECEIVING OFFICE LIGHTING PLAN



RECEIVING OFFICE POWER PLAN



ELECTRICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
<b>LIGHTING</b>		<b>SPECIAL SYSTEMS</b>	
○ <sup>A</sup>	LETTER BY THE LUMINAIRE INDICATES LUMINAIRE TYPE AND MOUNTING	▽	COMBINATION COMPUTER/TELEPHONE OUTLET CONDUIT TO ACCESSIBLE AREA
○	CEILING LUMINAIRE OUTLET	<b>ABBREVIATIONS</b>	
○	WALL LUMINAIRE OUTLET	AFF, R, G	ABOVE FINISH FLOOR, ROOF, GRADE
○	CEILING FLUORESCENT LUMINAIRE	AC	ABOVE COUNTER
○	WALL FLUORESCENT LUMINAIRE	GC	GENERAL CONTRACTOR
○	FLUORESCENT STRIPLIGHT	EC	ELECTRICAL CONTRACTOR
○	ALL SHADED LUMINAIRES SHALL BE EMERGENCY OR EGRESS LIGHTING	MC	MECHANICAL CONTRACTOR
○	EXIT LIGHT (ARROW INDICATES DIRECTION AND SINGLE OR DOUBLE FACE EXIT)	RC	REFRIGERATION CONTRACTOR
○	DOUBLE HEAD EMERGENCY LIGHT UNIT	WP	WEATHERPROOF W/COVER "CLOSED" FOR RECEPTACLES; NEMA TYPE 3R FOR ENCLOSURES
○	DOUBLE HEAD REMOTE EMERGENCY LIGHT	WL	WET LOCATION W/COVER "OPEN" FOR RECEPTACLES; NEMA TYPE 4X FOR ENCLOSURES
○	SINGLE HEAD REMOTE EMERGENCY LIGHT	C, G, ϕ	CONDUIT, GROUND, PHASE
○	SINGLE POLE SWITCH (α = SWITCHING)	(N)	NEW
○	THREE WAY SWITCH	(X)	EXISTING
○	SINGLE POLE SWITCH W/ PILOT LIGHT	(RX)	REMOVE EXISTING
○	SINGLE POLE SWITCH W/ OCCUPANCY SENSOR	(RR)	REMOVE AND RELOCATE
○	THREE WAY SWITCH W/ OCCUPANCY SENSOR	(R)	RELOCATED
○	CEILING MOUNTED OCCUPANCY SENSOR	(M)	MODIFIED
○		(F)	FUTURE
○		NTS	NOT TO SCALE
<b>POWER</b>			
○	SINGLE RECEPTACLE		
○	DUPLEX RECEPTACLE		
○	DOUBLE DUPLEX RECEPTACLE		
○	DEDICATED RECEPTACLE		
○	GROUND FAULT RECEPTACLE		
○	ISOLATED GROUND (IG) DUPLEX RECEPTACLE		
○	PROVIDE A RED RECEPTACLE		
○	CEILING MOUNTED RECEPTACLE		
○	SPECIAL OUTLET (AS NOTED ON PLANS)		
○	DROP CORD OUTLET (AS NOTED ON PLANS)		
○	RETRACTABLE POWER CORD (AS NOTED ON PLANS)		
○	MOTOR OUTLET AND CONNECTION		
○	JUNCTION BOX		
○	SAFETY SWITCH F=FUSED B=BREAKER 30AF=FRAME SIZE, 20AT=TRIP SIZE		
○	MAGNETIC STARTER OR CONTACTOR. COIL VOLTAGE SHALL BE COORDINATED WITH OTHER TRADES, U.O.N.		
○	VFD=VARIABLE FREQUENCY DRIVE		
○	MOTOR STARTING SWITCH WITH HANDLE GUARD AND LOCKOUT CAPABILITY		
○	PULLCORD SWITCH FURNISHED BY OTHERS		
○	PUSH BUTTON STATION		
○	CONTROL PANEL FURNISHED AND INSTALLED BY OTHERS OR WITH UNIT		
○	COMBINATION STARTER		
○	CONTROL PANEL FURNISHED BY OTHERS INSTALLED BY EC.		
○	PANELBOARD, PANEL HA, HB, LA, LB. "H" INDICATES 480V OR 277/480V "L" INDICATES 120/208V		
○	TRANSFORMER		
○	SPARE CONDUIT CAPPED FOR FUTURE USE		
○	GROUND CONNECTION		
○	CIRCUIT RUN: UNDER FLOOR OR UNDERGROUND		
○	CIRCUIT RUN: CONCEALED IN WALL OR CEILING		
○	CIRCUIT RUN: EXPOSED		
○	EMERGENCY CIRCUIT, DC ONLY		
○	HOME RUN (ARROWS ARE NUMBER OF CIRCUITS)		
○	7,9,11 SINGLE POLE CIRCUITS DESIGNATION		
○	7(9) TWO POLE CIRCUIT DESIGNATION		
○	7(9,11) THREE POLE CIRCUIT DESIGNATION		

LUMINAIRE SCHEDULE						
KEY	DESCRIPTION AND FINISH	MOUNTING	MANUFACTURER	SERIES OR TYPE (NOT A COMPLETE CAT. #)	VOLT	LAMP(S)
A	SPECIFICATION PREMIUM TROFFER AIR HANDLING, 2'x4', 2 LAMP, T5, PATTERN #12 ACRYLIC LENS; ELECTRONIC BALLAST	GRID RECESSED	LITHONIA	ZSP G 2 28T5 A12 S5	277	TWO (2) 28-WATT T5 LINEAR FLUORESCENT
B	STRIP, 4' T5 ELEC WITH ACRYLIC LENS	11' AFF	LITHONIA	FVF4 2 28T5 N1 X20 MVOLT GEB10PS LP841	277	TWO (2) 28-WATT T5 LINEAR FLUORESCENT
D	4' WET LOCATION ENCLOSURE WITH (2) T5 LAMPS, 50% DR HIGH IMPACT ACRYLIC LENS	10' AFF	LITHONIA	DMW 2 28T5	277	TWO (2) 28-WATT T5 LINEAR FLUORESCENT
X	PAR 36 GLASS SEALED BEAM LAMP	12' AFF	LITHONIA	INDX1254 H2012 ULT	277	HALOGEN, 20 WATT, 12 VOLT
X1	PAR 36 GLASS SEALED BEAM LAMP	12' AFF	LITHONIA	ELA W T NX H1212	12V	HALOGEN, 20 WATT, 12 VOLT
X2	EXIT SIGN	12' AFF	EMGERI-LITE	WW SVXN 2 R -D -4X -DC	277	-

**LUMINAIRE KEY NOTES**

- Lighting shall be NSF RATED IF THE AREA IS OPEN TO THE PRODUCTION AREA.
- LIFE SAFETY CONNECTED TO LOCAL UNSWITCHED LIGHTING CIRCUIT THAT IS INDICATED.

- GENERAL NOTES**
- REFER TO DRAWING E1.1 FOR ELECTRICAL DRAWING PACKAGE GENERAL NOTES.
- KEY NOTES**
- SURFACE MOUNTED DEVICE
  - CIRCUIT CONNECTION TO FUTURE ELECTRICAL DISTRIBUTION EQUIPMENT. PROVIDE PROVISION FOR CONNECTION TO FUTURE ELECTRICAL DISTRIBUTION EQUIPMENT LOCATED IN ELECTRICAL ROOM ON MEZZANINE. SEE MEZZANINE POWER PLAN FOR FUTURE ELECTRICAL DISTRIBUTION EQUIPMENT, THIS SHEET.
  - JUNCTION BOX FOR CONNECTION TO DOOR ELECTRIC RE-STRIKE.
  - LINE VOLTAGE OCCUPANCY SENSOR MOUNTED 10' AFF. FAIL IN "ON" POSITION.
  - CARD READER, INTEGRATE WITH EXISTING ACCESS CONTROL SYSTEM AND ELECTRONIC LATCHES.
  - INSTALLED BY EQUIPMENT ON ROOF.
  - MOUNT SWITCH TO GATE POST.
  - COMBINATION STARTER AND UNIT MOUNTED DISCONNECTS PROVIDED BY DIVISION 15, INSTALLED AND CIRCUITED BY DIVISION 16 (LINE VOLTAGE ONLY); CONTROL WIRING 120VAC OR LOWER VOLTAGE BY OTHERS)
  - RECEPTACLE SHALL BE MOUNTED AT 8' AFF WITHIN 5' OF NEARBY CONDENSATE PUMP.
  - RECEPTACLE SHALL BE MOUNTED ABOVE CEILING WITHIN IN 5' OF CONDENSATE PUMP.
  - UNIT MOUNTED DISCONNECTS PROVIDED BY DIVISION 15, INSTALLED AND CIRCUITED BY DIVISION 16
  - JUNCTION BOX PROVIDED FOR MOTOR OPERATED DAMPER. MOUNT JUNCTION BOX TO STRUCTURAL STEEL. FOR MOTOR OPERATED DAMPER, PROVIDE 2#12, #12G, 3/4" C FROM THE LOAD SIDE OF THE EXHAUST FAN STARTER, PROVIDE FUSING AND STEP DOWN TRANSFORMER AS REQUIRED.

**STATEMENT OF SUPERVISION**  
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ISSUE DATE: 02/27/14

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**FACILITY SOLUTIONS**  
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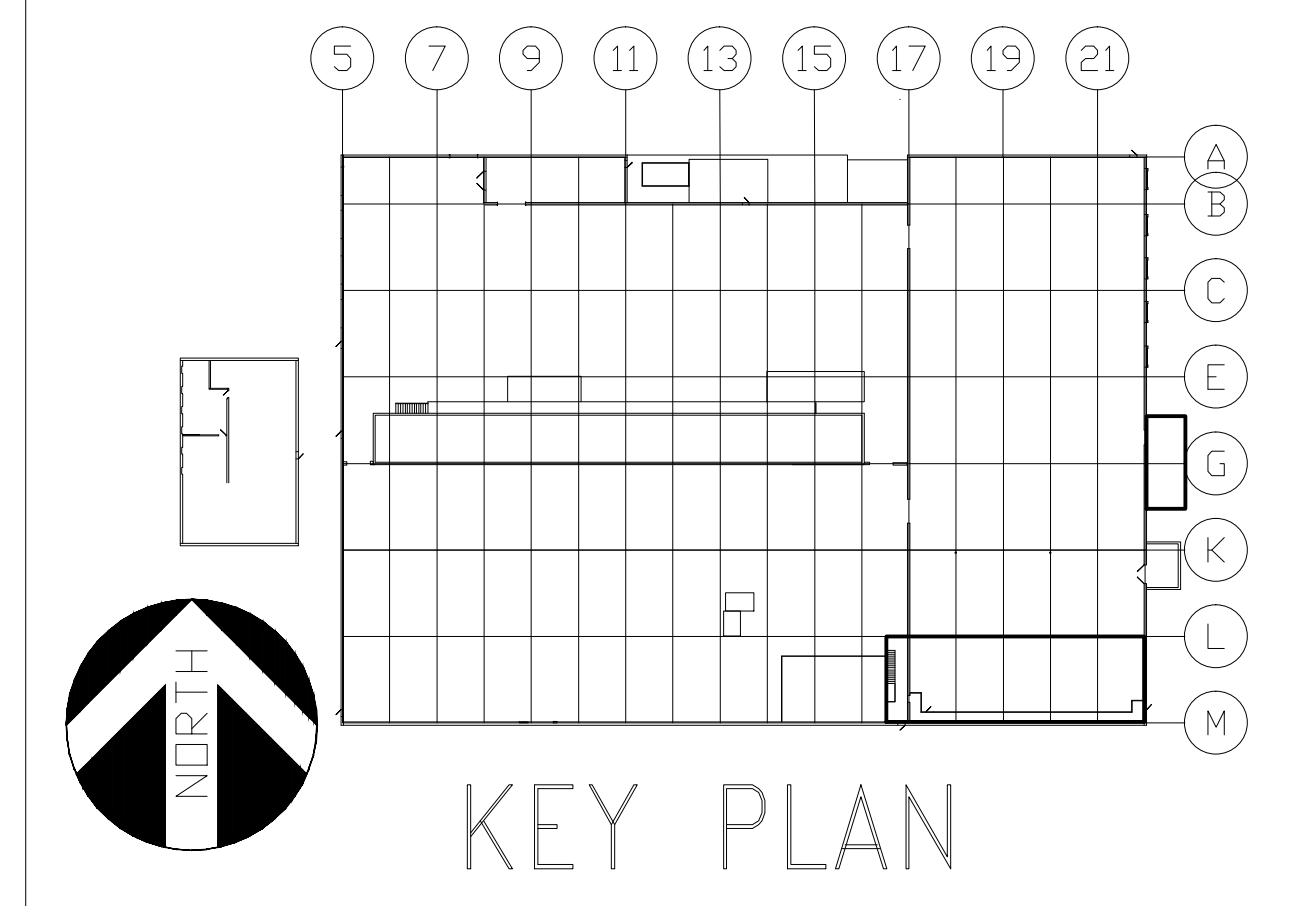
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GAP	01/07/2014	GAP	01/07/2014
CLIENT APPROVAL	DATE	MATERIAL	
RESIDENT ENGR. APPROVAL	DATE	COMMISSION	
		PROJECT #	14015
STAMP		REV	AS NOTED

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LEVEL	TECH	PROJECT ORANGE	
LINE NO.	PRESENTATION	ENLARGED FLOOR PLAN	
EQUIP. NO.	PLANT	ELECTRICAL	
DWG. LIST	PROD. AREA	SUPERSEDES	
SUB ASSY. NO.	DESCRIPTOR	JMS FOODSERVICE LLC	
QUANTITY	BLDG. NO.	DRAWING NUMBER E1.2	

ISSUE  
 A ELECTRICAL REVISIONS  
 GAP 02/18/14  
 SCHUCKER BORDER

PHASE 1

-NO

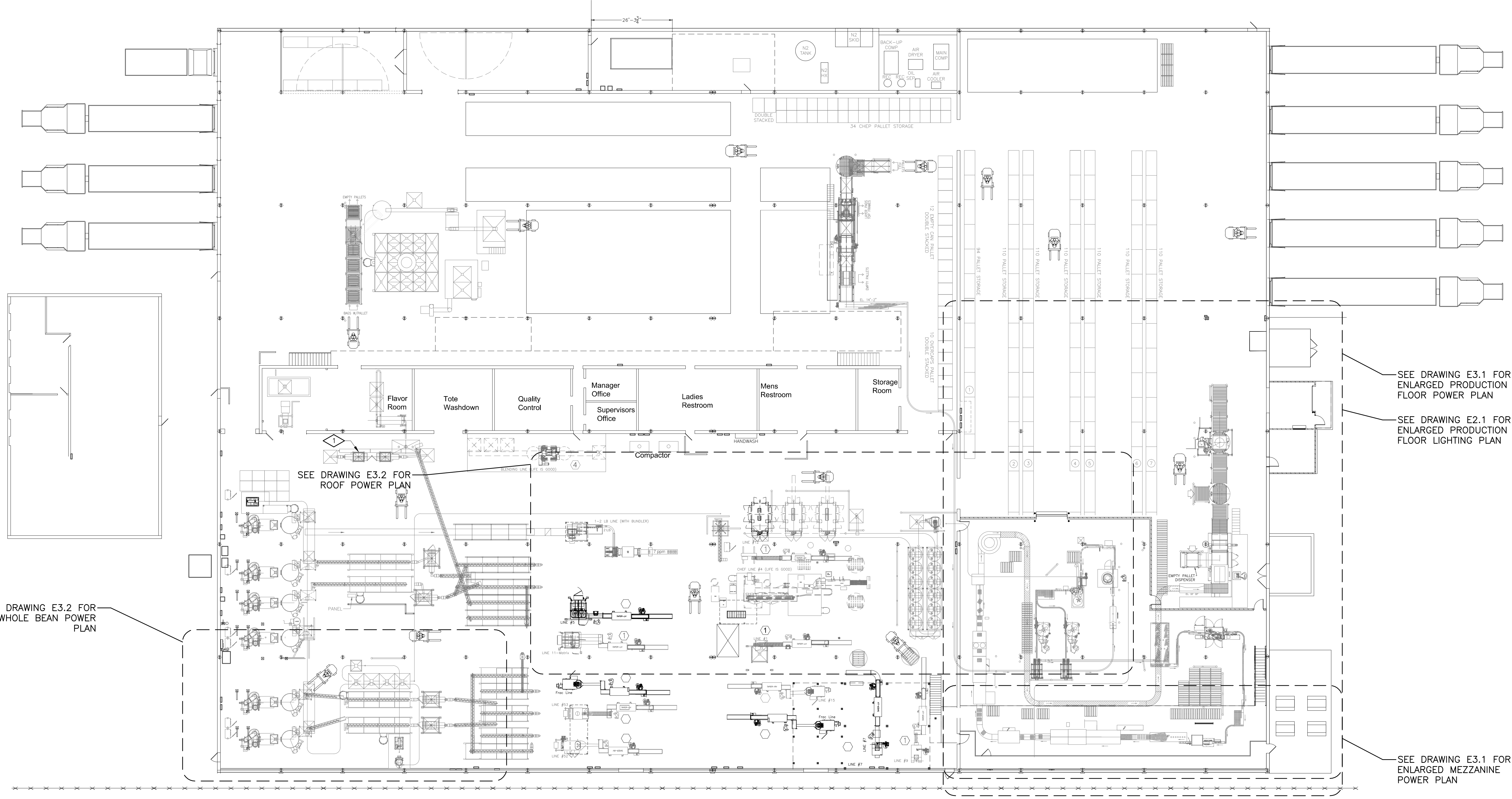


GENERAL NOTES

- 1. REFER TO DRAWING E1.1 FOR ELECTRICAL DRAWING PACKAGE GENERAL NOTES.

KEY NOTES

- ① THE RELOCATED FRACTIONAL PACKAGE GRINDER ELECTRICAL POWER CIRCUIT SHALL BE MODIFIED AS FOLLOWS: THE 480VAC FEED FROM POPB (WEST WALL BY ROASTER #6) CIRCUIT #6 SHALL BE CHANGED TO A 60A 3P CIRCUIT BREAKER. THE EXISTING FEEDERS ARE #6 AND SHALL BE RE-USED. THE HEATERS IN THE MOTOR STARTER SHALL BE REPLACED AND MATCH TO THE NEW 25HP MOTOR, FUSE PER MANUFACTURER'S RECOMMENDATIONS.



SEE DRAWING E3.1 FOR ENLARGED PRODUCTION FLOOR POWER PLAN

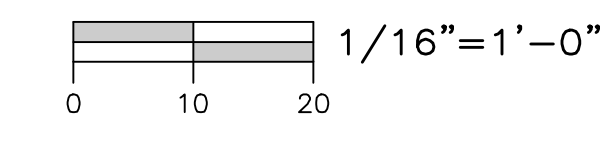
SEE DRAWING E2.1 FOR ENLARGED PRODUCTION FLOOR LIGHTING PLAN

SEE DRAWING E3.1 FOR ENLARGED MEZZANINE POWER PLAN

SEE DRAWING E3.2 FOR WHOLE BEAN POWER PLAN

SEE DRAWING E3.2 FOR ROOF POWER PLAN

OVERALL POWER PLAN



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RESIDENT ENGR. APPROVAL	DATE

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DRAWN BY	DATE
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MATERIAL	
REV	SCALE

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DWG. LIST	PROD. AREA
SUB ASSY. NO.	DESCRIPTOR
QUANTITY	BLDG. NO.

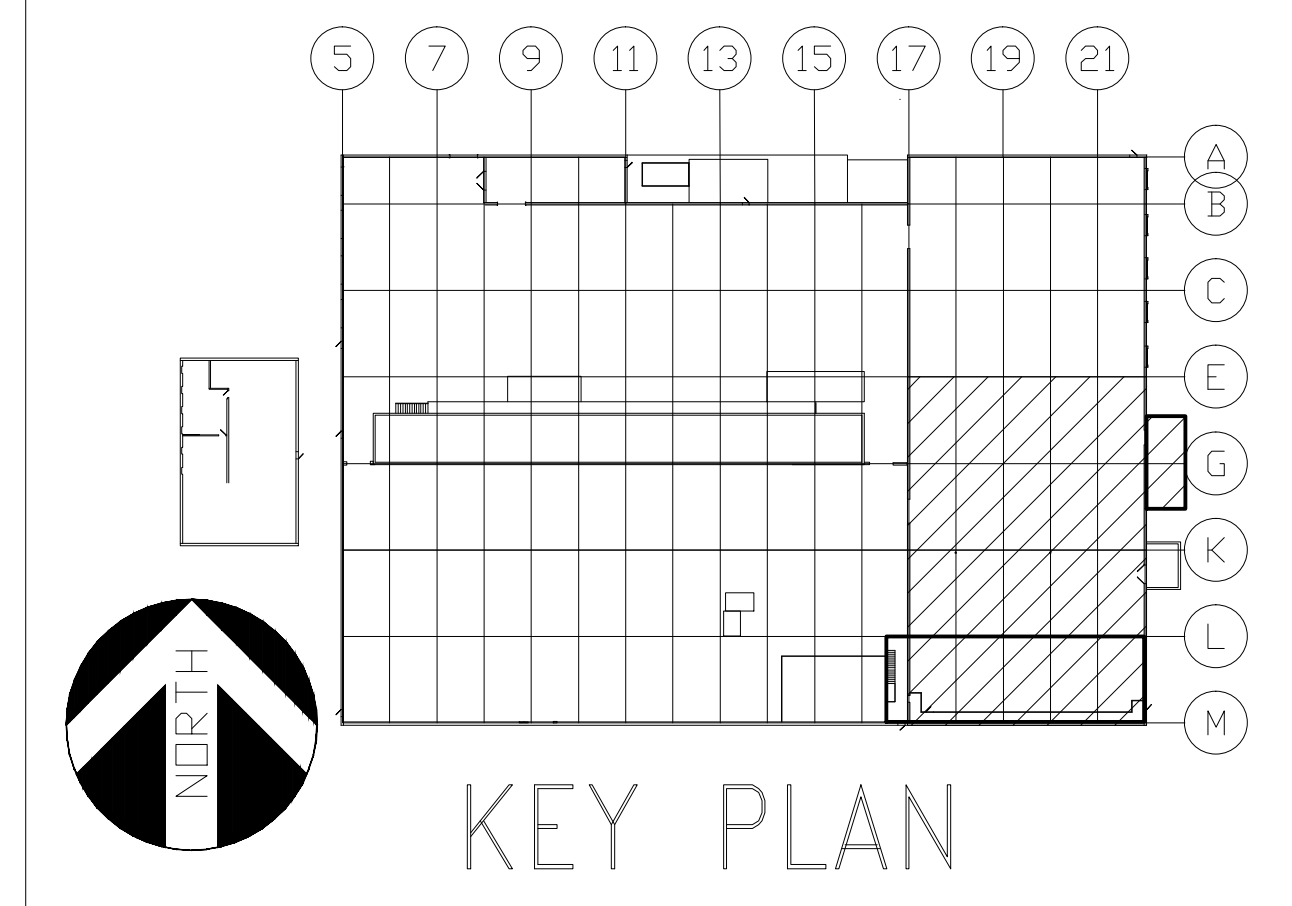
PROJECT ORANGE  
 OVERALL FLOOR PLAN  
 ELECTRICAL  
**JMS FOODSERVICE LLC**

DRAWING NUMBER	E1.3
SUPERSEDES	

PHASE 2

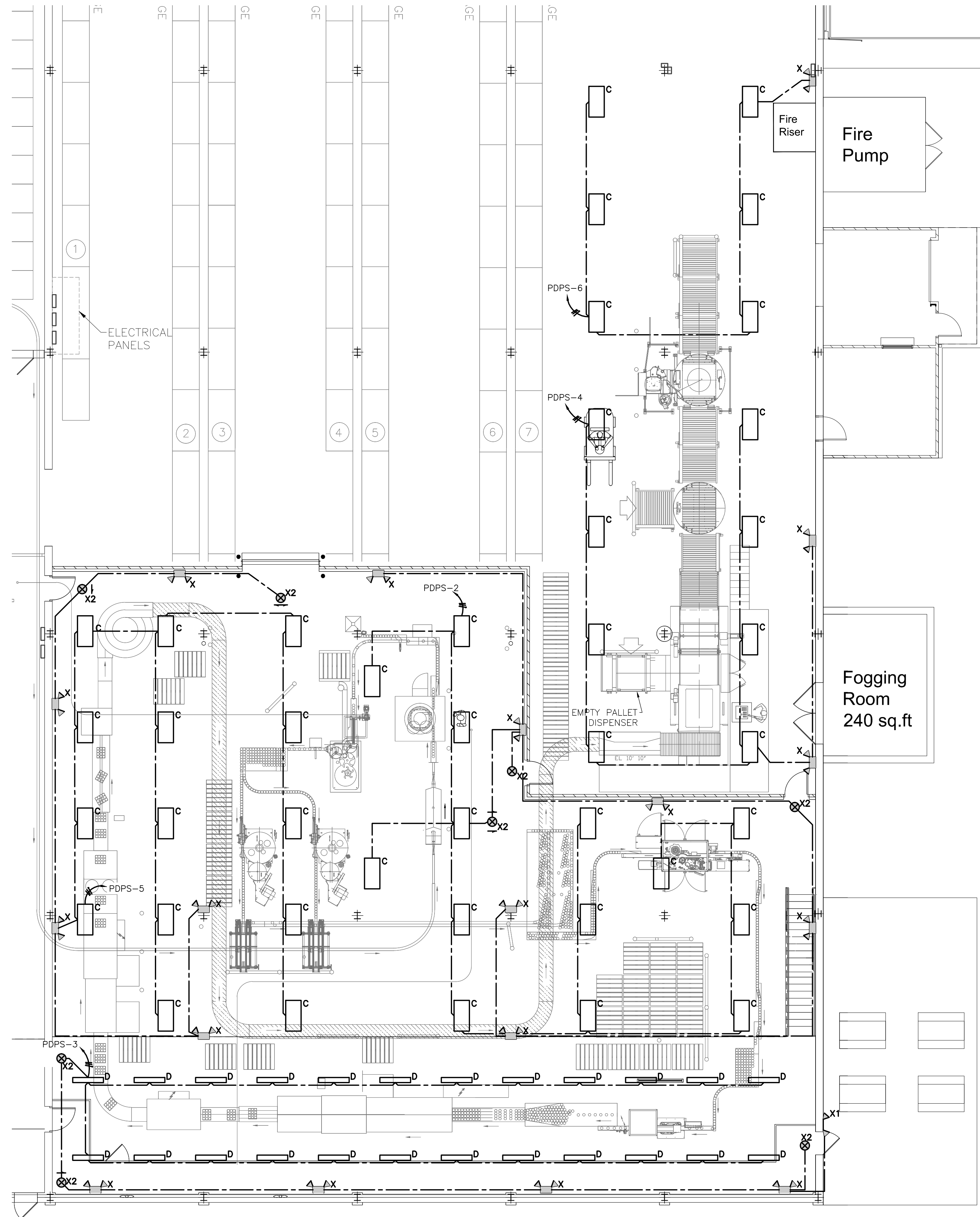
ISSUE  
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 SMUCKER BORDER

-NO



GENERAL NOTES

- REFER TO DRAWING E1.1 FOR ELECTRICAL DRAWING PACKAGE GENERAL NOTES.
- PRODUCTION FLOOR LIGHTING TO BE CONTROLLED BY LIGHTING TIME CLOCK LOCATED IN ELECTRICAL ROOM. SEE DRAWING E3.1 MEZZANINE POWER PLAN FOR LOCATION.

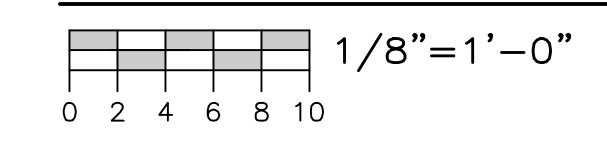


LUMINAIRE SCHEDULE						
KEY	DESCRIPTION AND FINISH	MOUNTING	MANUFACTURER	SERIES OR TYPE (NOT A COMPLETE QTY. #)	VOLT	LAMP(S)
C	2x4 HOSEDOWN HIGH BAY WITH (6) 49W TSHO LAMPS, SPECULAR SPREAD BEAM REFLECTOR, CLEAR ACRYLIC LENS	20' AFF	LITHONIA	FHH24 654	277	SIX (6) 49-WATT TSHO LINEAR FLUORESCENT
D	4' WET LOCATION ENCLOSURE WITH (2) TS LAMPS, 50% DR HIGH IMPACT ACRYLIC LENS	10' AFF	LITHONIA	DMW 2 28T5	277	TWO (2) 28-WATT TS LINEAR FLUORESCENT
E	STANCHION MOUNTED EXTERIOR LIGHT W/ (2) 42W COMPACT FLUORESCENT	8' AFF	COOPER INDUSTRIES	DMVFP084GP	277	(2) 42W COMPACT FLUORESCENT
X	PAR 36 GLASS SEALED BEAM LAMP	12' AFF	LITHONIA	INDX1254 H2012 ULT	277	HALOGEN, 20 WATT, 12 VOLT
X1	PAR 36 GLASS SEALED BEAM LAMP	12' AFF	LITHONIA	ELA W T NX H1212	12V	HALOGEN, 20 WATT, 12 VOLT
X2	EXIT SIGN	8'6" AFF AT DOORS 12' AFF ALL OTHER AREAS	EMGERI-LITE	WW SVXN 2 R -D -4X -DC	277	-

**LUMINAIRE KEY NOTES**

- A LIGHTING SHALL BE NSF RATED IF THE AREA IS OPEN TO THE PRODUCTION AREA.
- B LIFE SAFETY CONNECTED TO LOCAL UNSWITCHED LIGHTING CIRCUIT THAT IS INDICATED.

PRODUCTION FLOOR LIGHTING PLAN



**STATEMENT OF SUPERVISION**  
 THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.

ISSUE DATE: 02/27/14

PHASE 2

ISSUE  
 A ELECTRICAL REVISIONS  
 GAP 03/18/14  
 SCHUCKER BORDER

DEPT. APPROVAL	DATE
PROJECT APPROVAL	DATE
CLIENT APPROVAL	DATE
RESIDENT ENGR. APPROVAL	DATE

**DESIGN GROUP**  
**FACILITY SOLUTIONS**  
 5 CHENELL DRIVE, BOX 3, CONCORD, NEW HAMPSHIRE 03301  
 PHONE: (603) 225-0010 FAX: (603) 225-0761

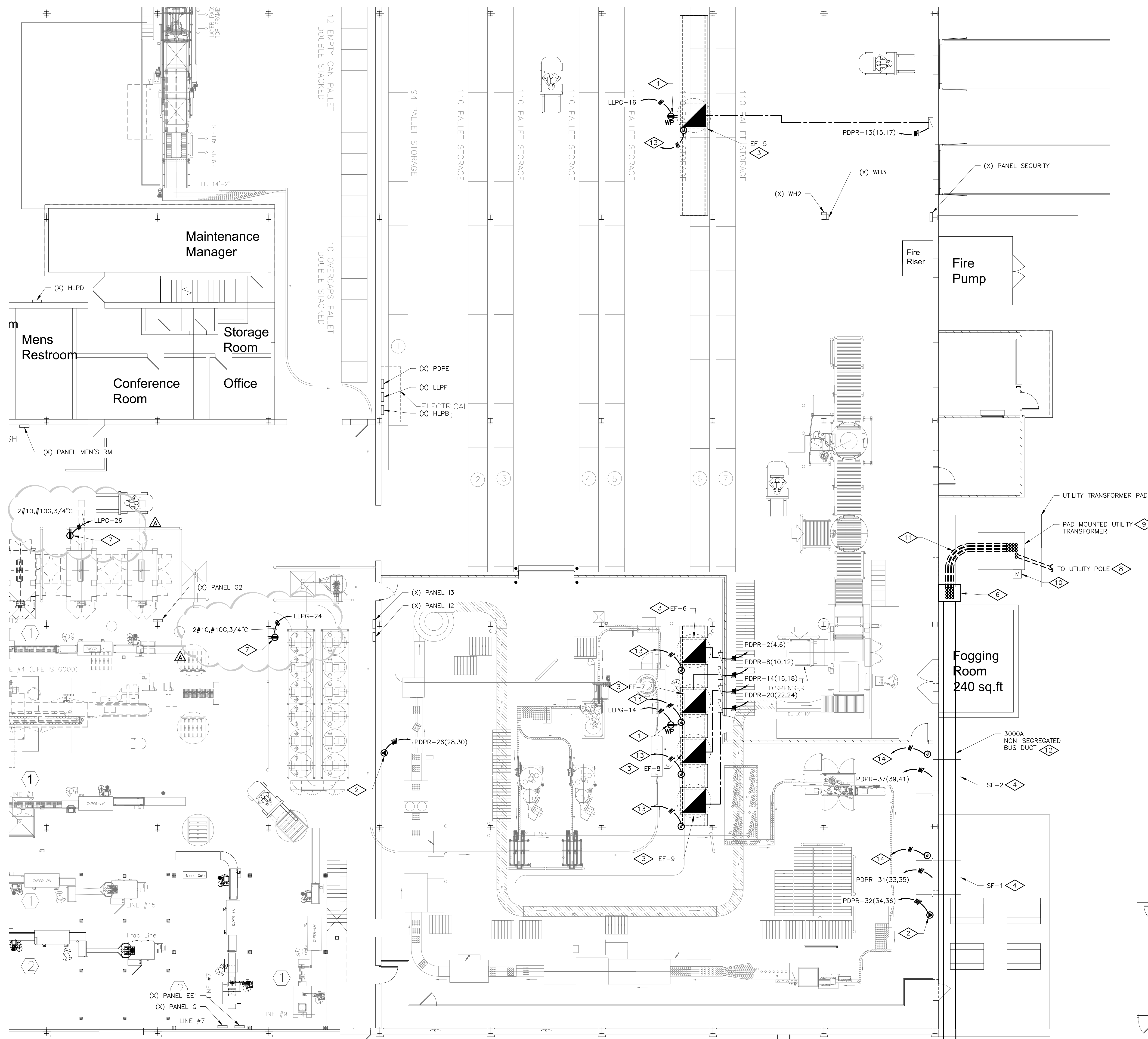
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MATERIAL	
REV	SCALE

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LEVEL	TECH
EQUIP. NO.	PLANT
DWG. LIST	PROD. AREA
SUB ASSY. NO.	DESCRIPTOR
QUANTITY	BLDG. NO.

**PROJECT ORANGE**  
**ENLARGED FLOOR PLAN**  
**LIGHTING**  
**JMS FOODSERVICE LLC**

DRAWING NUMBER	E2.1
SUPERSEDES	

-NO



PRODUCTION FLOOR POWER PLAN

1/8"=1'-0"

STATEMENT OF SUPERVISION  
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PROJECT APPROVAL	DATE
CLIENT APPROVAL	DATE
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**FACILITY SOLUTIONS**  
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 PHONE: (603) 225-0010 FAX: (603) 225-0761

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CHECKED BY	DATE
GAP	01/07/2014
MATERIAL	
RESIDENT ENGR. APPROVAL	DATE
COMMISSION	
PROJECT #	14015
REV	AS NOTED

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LEVEL	TECH
LINE NO.	PRESENTATION
EQUIP. NO.	PLANT
DWG. LIST	PROD. AREA
SUB ASSY. NO.	DESCRIPTOR
QUANTITY	BLDG. NO.

**PROJECT ORANGE**  
**ENLARGED FLOOR PLAN**

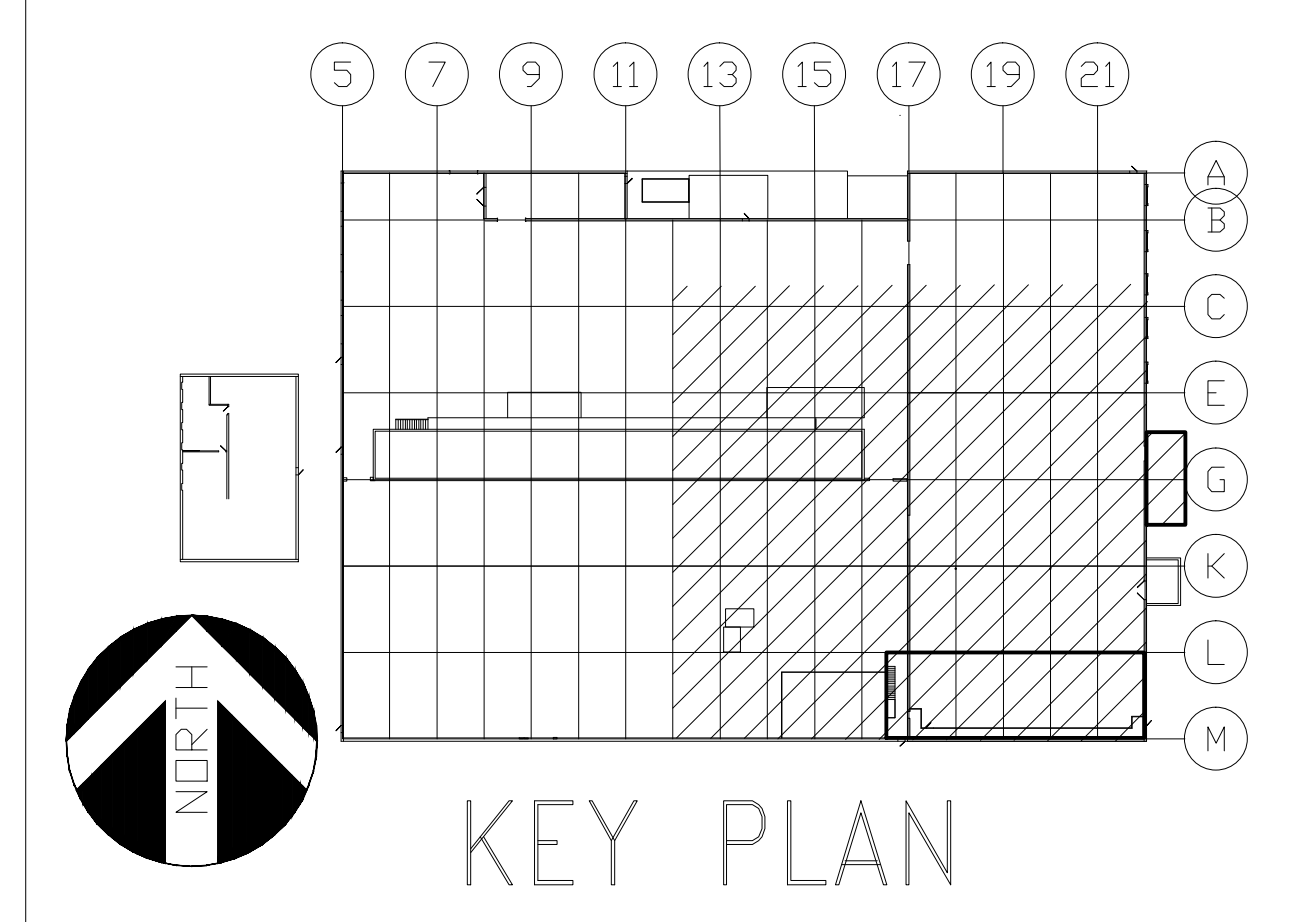
POWER

**JMS FOODSERVICE LLC**

DRAWING NUMBER E3.1

SUPERSEDES

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
<b>LIGHTING</b>	
○ <sup>A</sup> ○ <sup>B</sup>	LETTER BY THE LUMINAIRE INDICATES LUMINAIRE TYPE AND MOUNTING
○	CEILING LUMINAIRE OUTLET
○	WALL LUMINAIRE OUTLET
○	CEILING FLUORESCENT LUMINAIRE
○	WALL FLUORESCENT LUMINAIRE
○	FLUORESCENT STRIPLIGHT
○	ALL SHADED LUMINAIRES SHALL BE EMERGENCY OR EGRESS LIGHTING
→	EXIT LIGHT (ARROW INDICATES DIRECTION AND SINGLE OR DOUBLE FACE EXIT)
○	DOUBLE HEAD EMERGENCY LIGHT UNIT
○	DOUBLE HEAD REMOTE EMERGENCY LIGHT
○	SINGLE HEAD REMOTE EMERGENCY LIGHT
○	SINGLE POLE SWITCH (α = SWITCHING)
○	THREE WAY SWITCH
○	SINGLE POLE SWITCH W/ PILOT LIGHT
○	DIMMER SWITCH
○	PHOTOELECTRIC CONTROL SWITCH
○	TIME CONTROL SWITCH
<b>POWER</b>	
○	SINGLE RECEPTACLE
○	DUPLEX RECEPTACLE
○	DOUBLE DUPLEX RECEPTACLE
○	DEDICATED RECEPTACLE
○	MOTOR OUTLET AND CONNECTION
○	JUNCTION BOX
○	SAFETY SWITCH F=FUSED B=BREAKER 30A=FRAME SIZE, 20A=TRIP SIZE
○	MAGNETIC STARTER OR CONTACTOR
○	COIL VOLTAGE SHALL BE COORDINATED WITH OTHER TRADES, U.O.N.
○	VFD=VARIABLE FREQUENCY DRIVE
○	MOTOR STARTING SWITCH WITH HANDLE GUARD AND LOCKOUT CAPABILITY
○	PULLCORD SWITCH FURNISHED BY OTHERS
○	PUSH BUTTON STATION
○	CONTROL PANEL FURNISHED AND INSTALLED BY OTHERS OR WITH UNIT
○	CONTROL PANEL AND DISCONNECT FURNISHED AND INSTALLED BY OTHERS OR WITH UNIT
○	CONTROL PANEL, FURNISHED BY OTHERS INSTALLED BY EC
○	PANELBOARD, PANEL HA, HB, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ
○	"H" INDICATES 480V OR 277/480V
○	"L" INDICATES 120/208V
○	TRANSFORMER
○	SPARE CONDUIT CAPPED FOR FUTURE USE
○	GROUND CONNECTION
○	CIRCUIT RUN; UNDER FLOOR OR UNDERGROUND
○	CIRCUIT RUN; CONCEALED IN WALL OR CEILING
○	CIRCUIT RUN; EXPOSED
○	EMERGENCY CIRCUIT, DC ONLY
○	HOME RUN (ARROWS ARE NUMBER OF CIRCUITS)
○	SINGLE POLE CIRCUITS DESIGNATION
○	TWO POLE CIRCUIT DESIGNATION
○	THREE POLE CIRCUIT DESIGNATION
<b>SPECIAL SYSTEMS</b>	
○	COMBINATION COMPUTER/TELEPHONE OUTLET
<b>ABBREVIATIONS</b>	
AF, R, G	ABOVE FINISH FLOOR, ROOF, GRADE
AC	ABOVE COUNTER
GC	GENERAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
MC	MECHANICAL CONTRACTOR
RC	REFRIGERATION CONTRACTOR
WP	WEATHERPROOF W/COVER "CLOSED" FOR RECEPTACLES; NEMA TYPE 3R FOR ENCLOSURES
WL	WET LOCATION W/COVER "OPEN" FOR RECEPTACLES; NEMA TYPE 4X FOR ENCLOSURES
C, G, φ	CONDUIT, GROUND, PHASE
(N)	NEW
(X)	EXISTING
(RX)	REMOVE EXISTING
(RR)	REMOVE AND RELOCATE
(R)	RELOCATED
(M)	MODIFIED
(F)	FUTURE
NTS	NOT TO SCALE

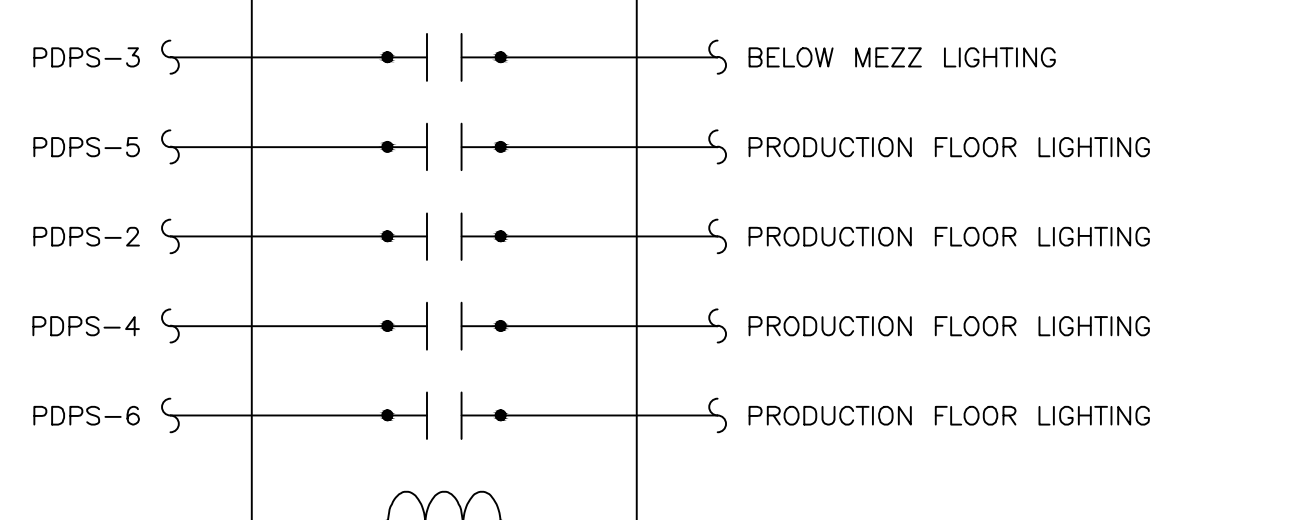


GENERAL NOTES

- REFER TO DRAWING E1.1 FOR ELECTRICAL DRAWING PACKAGE GENERAL NOTES.
- CALL ONECALL A MINIMUM OF 48 HOURS, EXCLUDING WEEKENDS, PRIOR TO DIGGING AT 1-888-258-0808 FOR UTILITY MARKING.

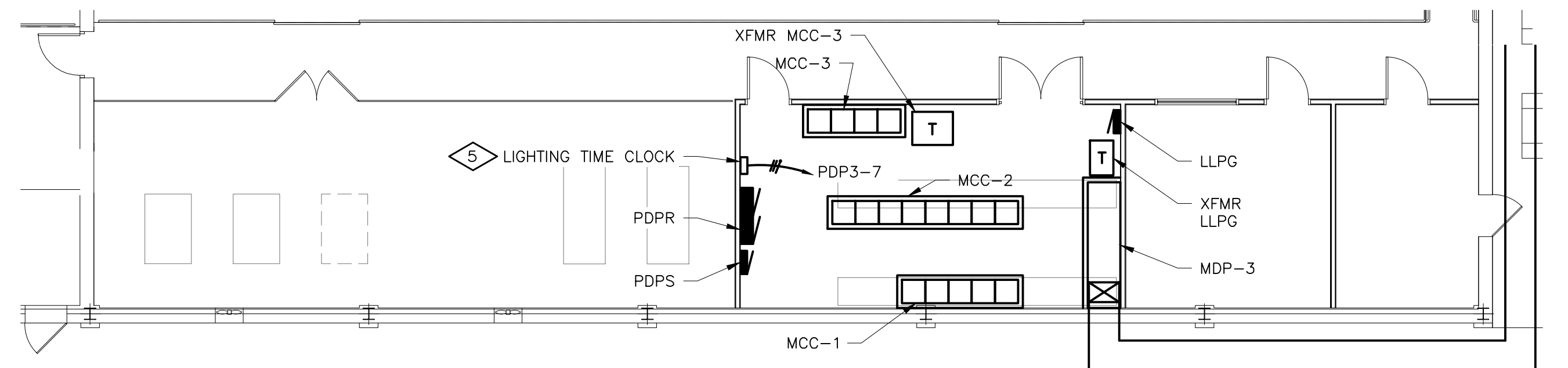
KEY NOTES

- INSTALL BY EQUIPMENT ON ROOF.
- WELDING RECEPTACLE; HUBBELL MODEL NUMBER HBL3769 WITH RECEPTACLE COVER HUBBELL MODEL NUMBER HBL77CM74W0
- COMBINATION STARTER AND UNIT MOUNTED DISCONNECTS PROVIDED BY DIVISION 15, INSTALLED AND CIRCUITED BY DIVISION 16 (LINE VOLTAGE ONLY; CONTROL WIRING 120VAC OR LOWER VOLTAGE BY OTHERS)
- VARIABLE FREQUENCY DRIVE AND UNIT MOUNTED DISCONNECTS PROVIDED BY DIVISION 15, INSTALLED AND CIRCUITED BY DIVISION 16 (LINE VOLTAGE ONLY; CONTROL WIRING 120VAC OR LOWER VOLTAGE BY OTHERS)
- SEE LIGHTING CONTROL WIRING DIAGRAM ON THIS SHEET.
- END CABLE TAP BOX FOR TRANSITION FROM CONDUCTORS TO NON-SEGREGATED BUS DUCT. ATTACH TO STRUCTURE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. BOX SHALL BE MOUNTED BETWEEN THE TOP OF THE LOUVERS AND BOTTOM OF STRUCTURAL STEEL.
- RECEPTACLE SHALL BE MOUNTED 24" ABOVE PLATFORM LEVEL.
- INSTALL (2) 5" DIRECT BURIED PVC-40 CONDUITS TO UTILITY POLE CURRENTLY SERVING THE FIRE PUMP SERVICE. ALL 90° BENDS SHALL BE 36" RADIUS RIGID GALVANIZED STEEL CONDUIT. AT UTILITY POLE, CONDUIT SHALL BE STUBBED UP 6" ABOVE FINISHED GRADE AND CAPPED 7" AWAY FROM POLE. CONTRACTOR SHALL PROVIDE ENTERTY SERVICES COMPANY PVC-80 CONDUIT TO ROUTE UP UTILITY POLE TO SERVICE FEEDERS.
- TRANSFORMER PAD SHALL BE IN ACCORDANCE WITH ENTERTY SERVICES REQUIREMENT. MAINTAIN A MINIMUM OF 3'-0" FROM SIDES AND REAR OF TRANSFORMER TO BUILDING. SEE DETAIL 2 ON SHEET E3.2.
- UTILITY METERING SHALL BE MOUNTED TO TRANSFORMER.
- (12) 4" PVC-40 CONDUIT CONCRETE ENCASED DUCTBANK; SEE DETAIL 1 ON SHEET E3.2.
- NON-SEGREGATED BUS DUCT TO BE ROUTED ALONG BUILDING, ABOVE SUPPLY FAN. BUS DUCT SHALL PENETRATE BUILDING ABOUT MDP-3.
- JUNCTION BOX PROVIDED FOR MOTOR OPERATED DAMPER. MOUNT JUNCTION BOX TO STRUCTURAL STEEL. FOR MOTOR OPERATED DAMPER, PROVIDE 2#12, #12G, 3/4" FROM THE LOAD SIDE OF THE EXHAUST FAN STARTER, PROVIDE FUSING AND STEP DOWN TRANSFORMER AS REQUIRED.
- JUNCTION BOX PROVIDED FOR MOTOR OPERATED DAMPER. MOUNT JUNCTION BOX ON WALL AT SUPPLY FAN. FOR MOTOR OPERATED DAMPER, PROVIDE 2#12, #12G, 3/4" FROM THE 120VAC TERMINAL CONNECTIONS ON THE SUPPLY FAN VFD SO THAT THE DAMPER OPENING COINCIDES WITH THE SUPPLY FAN MOTOR RUNNING.



NOTE:  
 1. TORK MODEL ELC78 LIGHTING CONTROL TIME SWITCH OR EQUIVALENT.

1 LIGHTING CONTROL WIRING DIAGRAM E3.1 NTS



MEZZANINE POWER PLAN

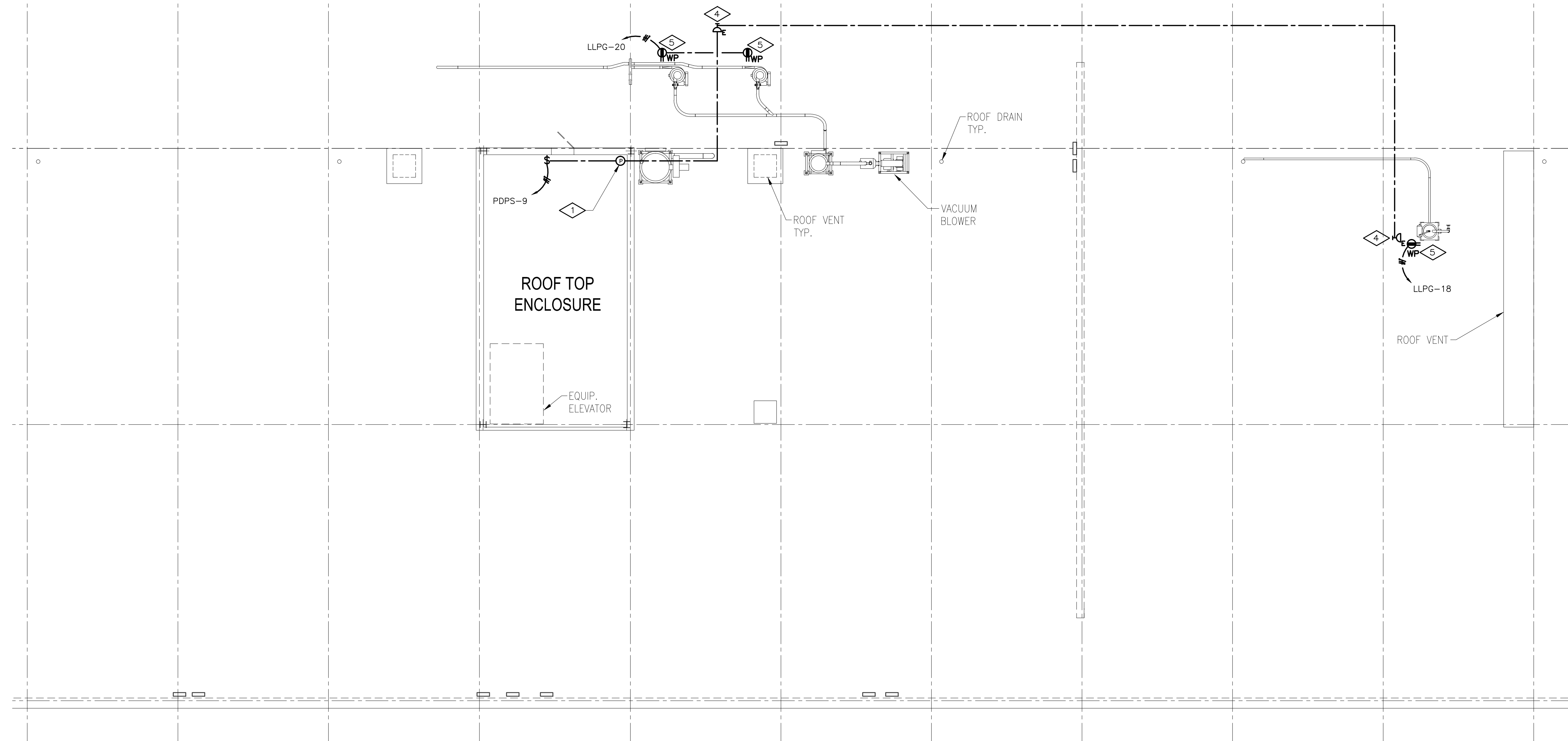
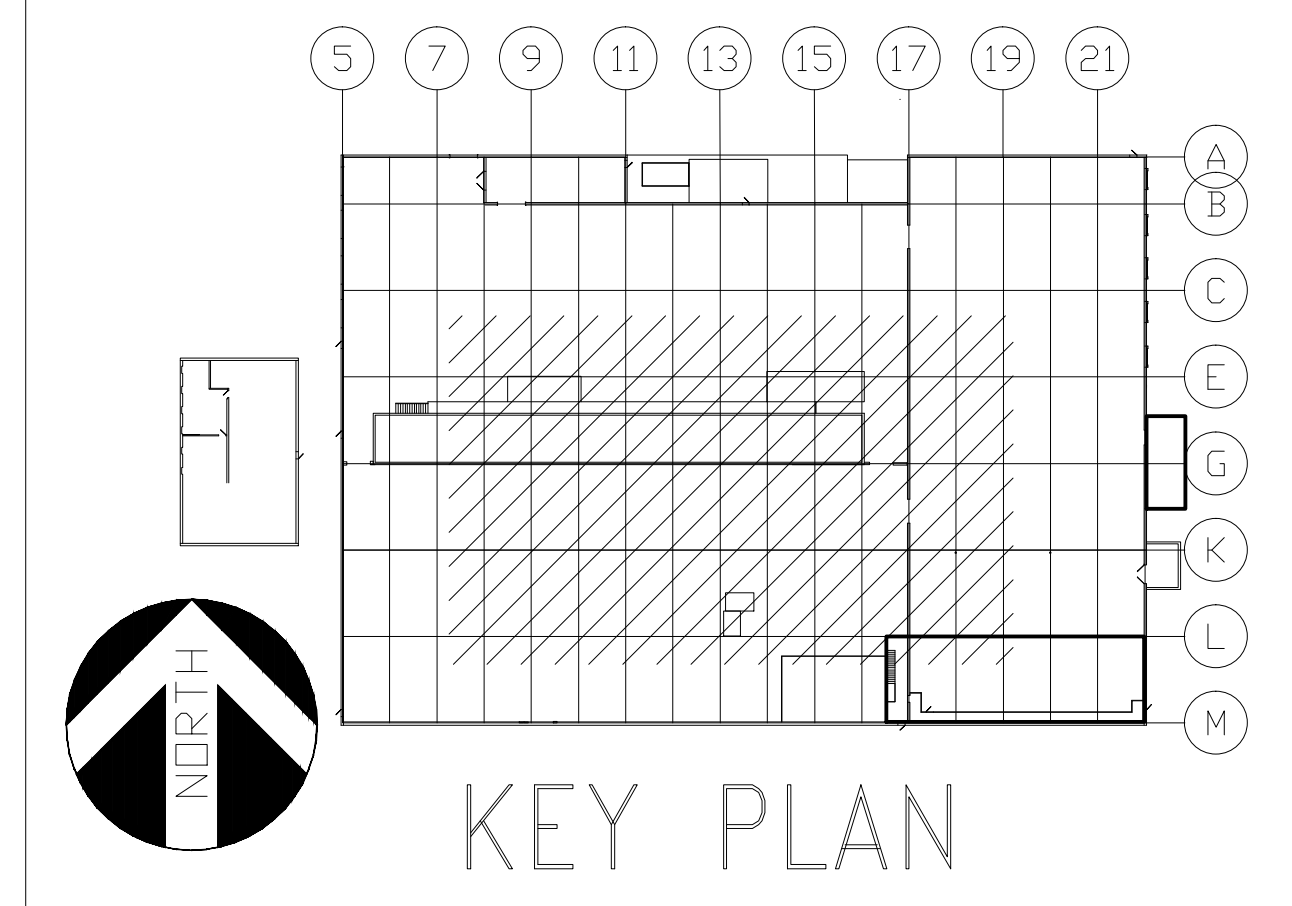
1/8"=1'-0"

PHASE 2

ISSUE  
 A ELECTRICAL REVISIONS  
 GAP 03/18/14

SCMUCKER BORDER

-NO

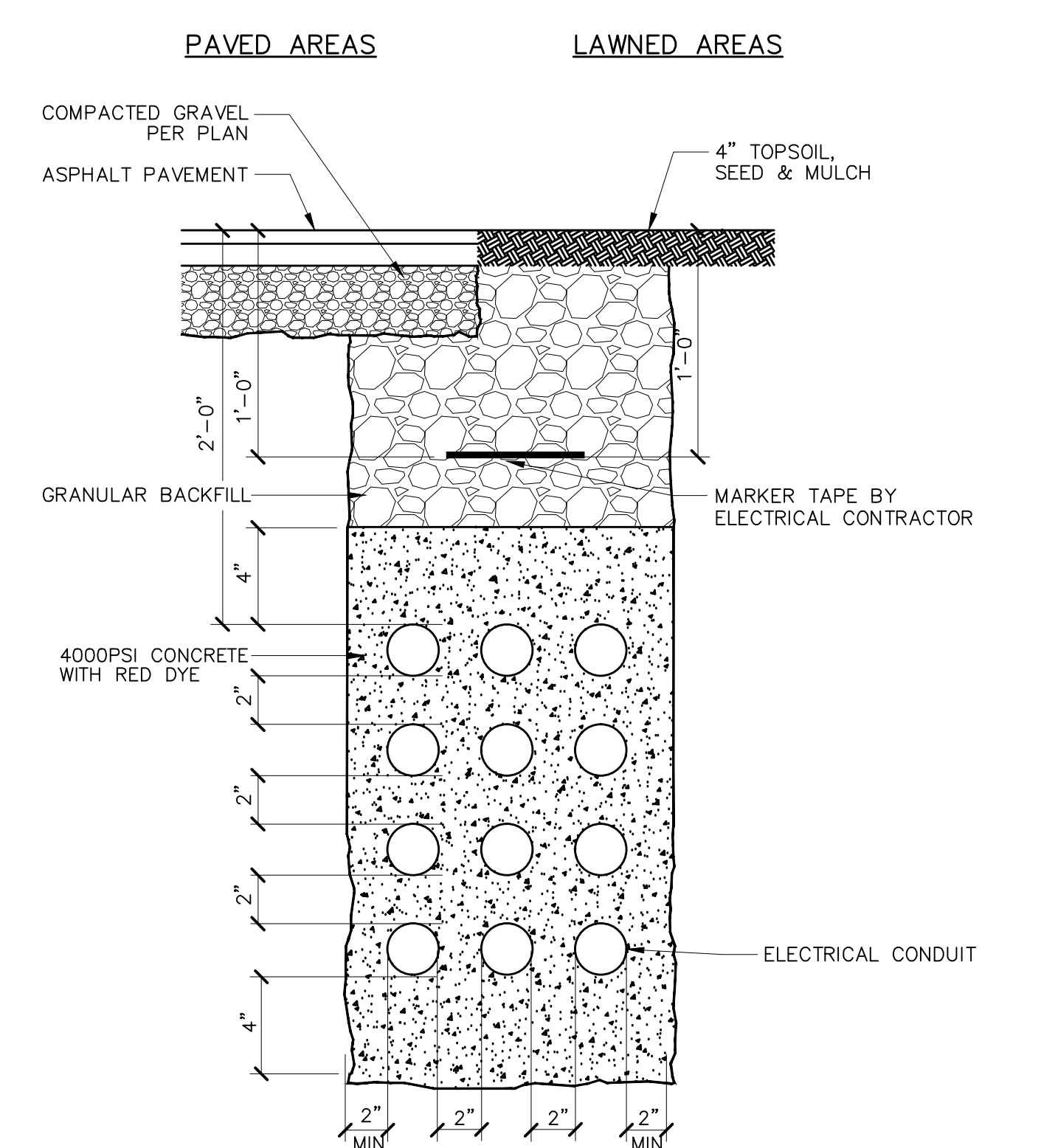


GENERAL NOTES

- 1. REFER TO DRAWING E1.1 FOR ELECTRICAL DRAWING PACKAGE GENERAL NOTES.

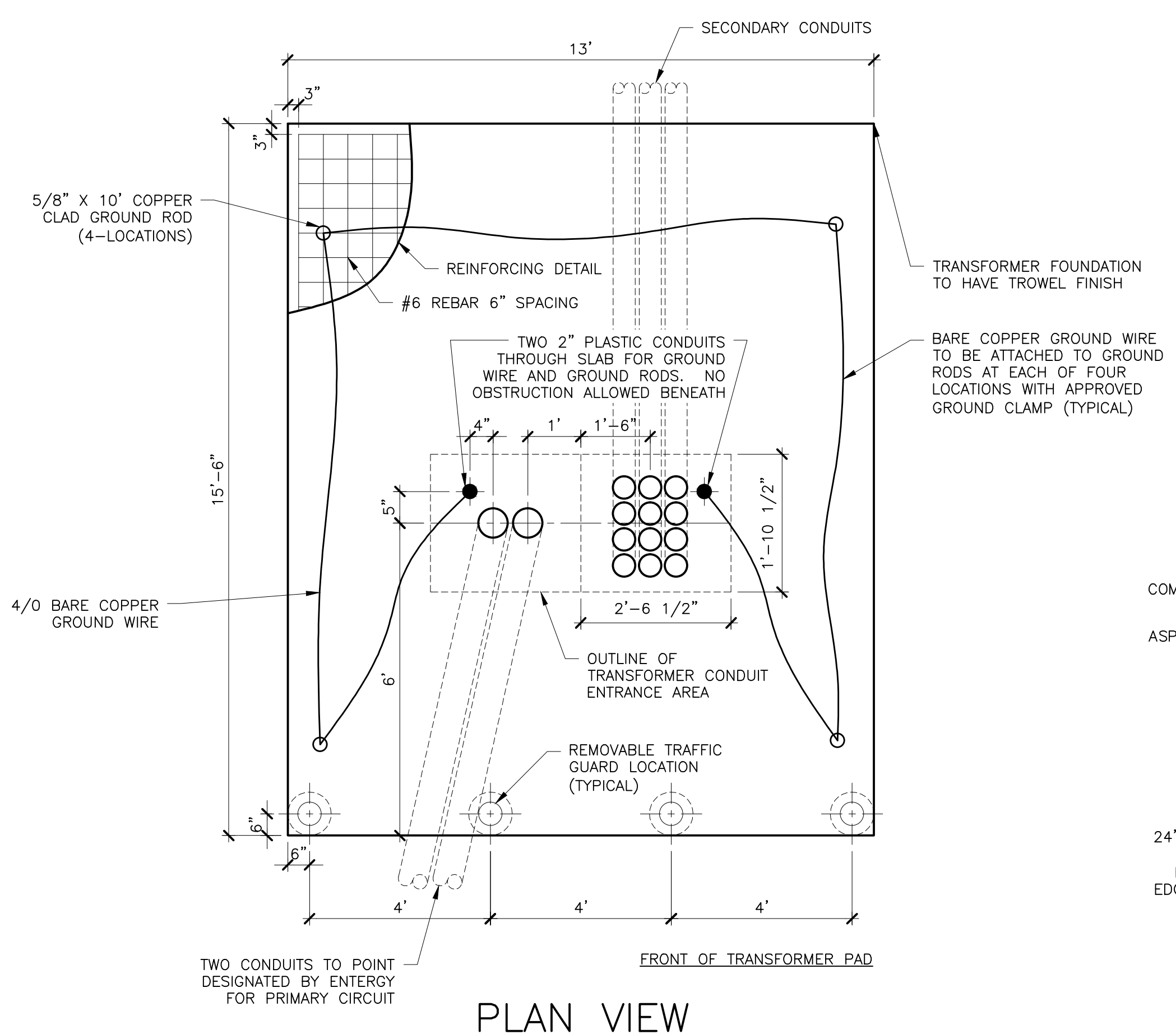
KEY NOTES

- 1. PHOTOCELL SHALL BE MOUNTED ON EXTERIOR OF ROOF OF EXISTING STRUCTURE, AIM AS REQUIRED.
- 2. RECEPTACLE SHALL BE MOUNTED AT 24" ABOVE PLATFORM LEVEL.
- 3. RECEPTACLE SHALL BE CIRCUITED TO (X) PANEL C; PROVIDE (1) 20A 1P CIRCUIT BREAKER TO MATCH EXISTING CIRCUIT BREAKERS IN (X) PANEL C.
- 4. STANCHION MOUNTED FIXTURE SHALL BE MOUNTED TO EQUIPMENT STRUCTURE.
- 5. INSTALL BY EQUIPMENT ON ROOF

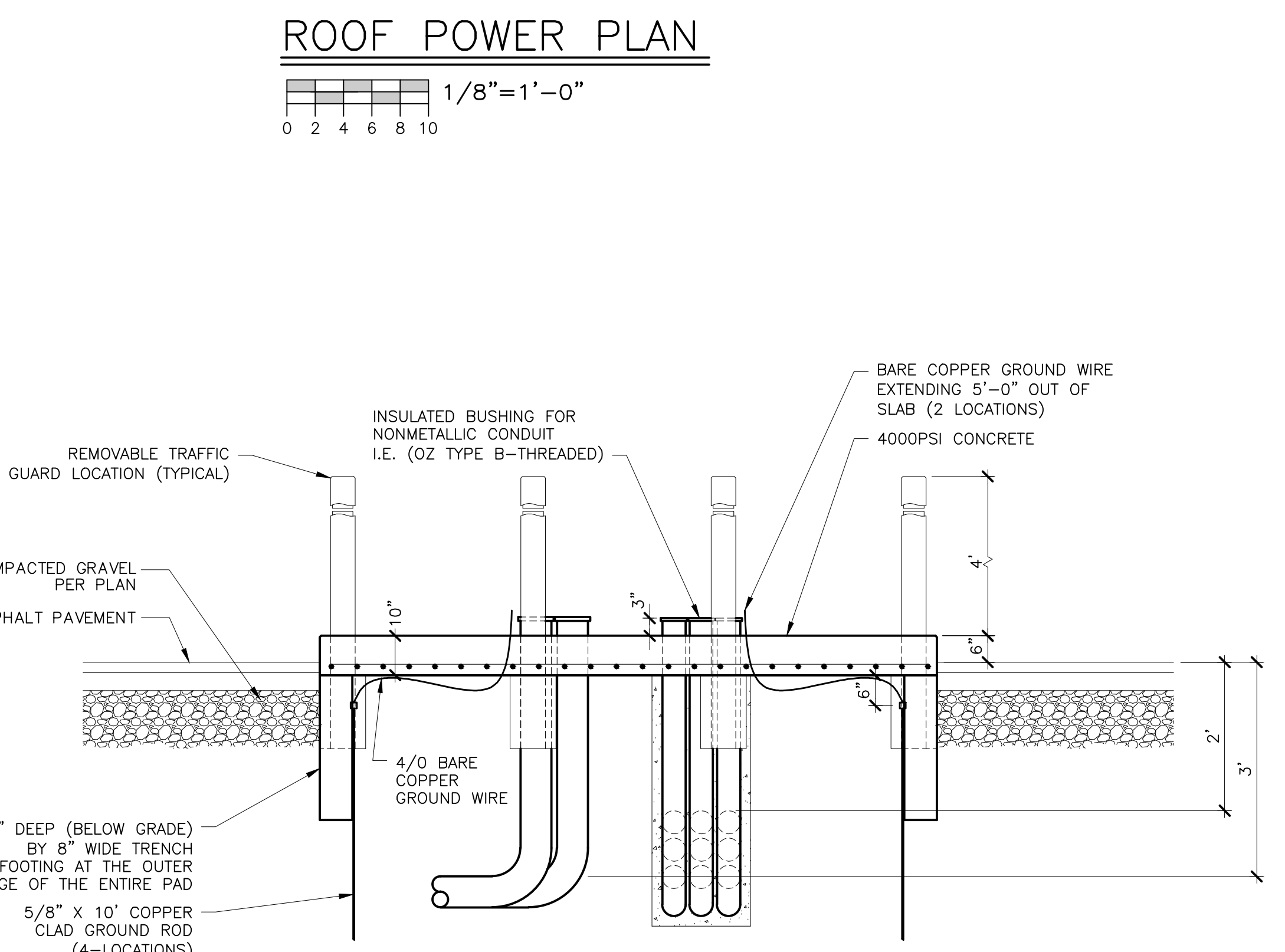


- NOTES:
- 1. COMPLY WITH OSHA TRENCH PROTECTION REQUIREMENTS.
  - 2. TRENCHING AND BACK FILL BY GENERAL CONTRACTOR.
  - 3. PROVIDE CONDUIT SPACERS EVERY 5 FEET.

1 CONCRETE ENCASED SITE CONDUIT DETAIL



PLAN VIEW



ELEVATION

2 UTILITY TRANSFORMER PAD DETAIL

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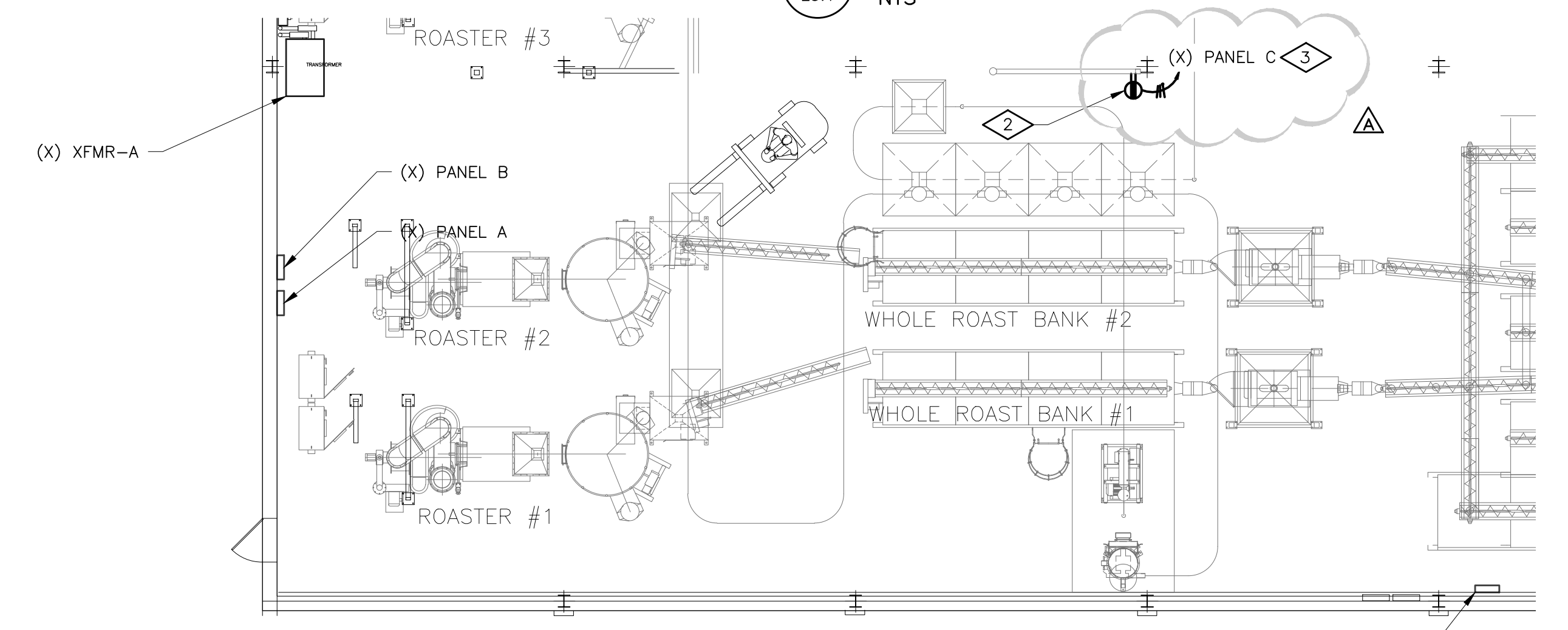
**DESIGN GROUP**  
**FACILITY SOLUTIONS**  
 5 CHENELL DRIVE, BOX 3, CONCORD, NEW HAMPSHIRE 03301  
 PHONE: (603) 225-0010 FAX: (603) 225-0761

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MATERIAL	
SCALE	AS NOTED

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LEVEL	TECH
LINE NO.	PRESENTATION
EQUIP. NO.	PLANT
DWG. LIST	PROD. AREA
SUB ASSY. NO.	DESCRIPTOR
QUANTITY	BLDG. NO.

**PROJECT ORANGE**  
**ROOF PLAN AND DETAILS**  
**POWER**  
**JMS FOODSERVICE LLC**

DRAWING NUMBER	E3.2
SUPERSEDES	



WHOLE BEAN BIN POWER PLAN

1/8"=1'-0"

PHASE 2

ISSUE  
 ELECTRICAL REVISIONS  
 GAP 03/18/14  
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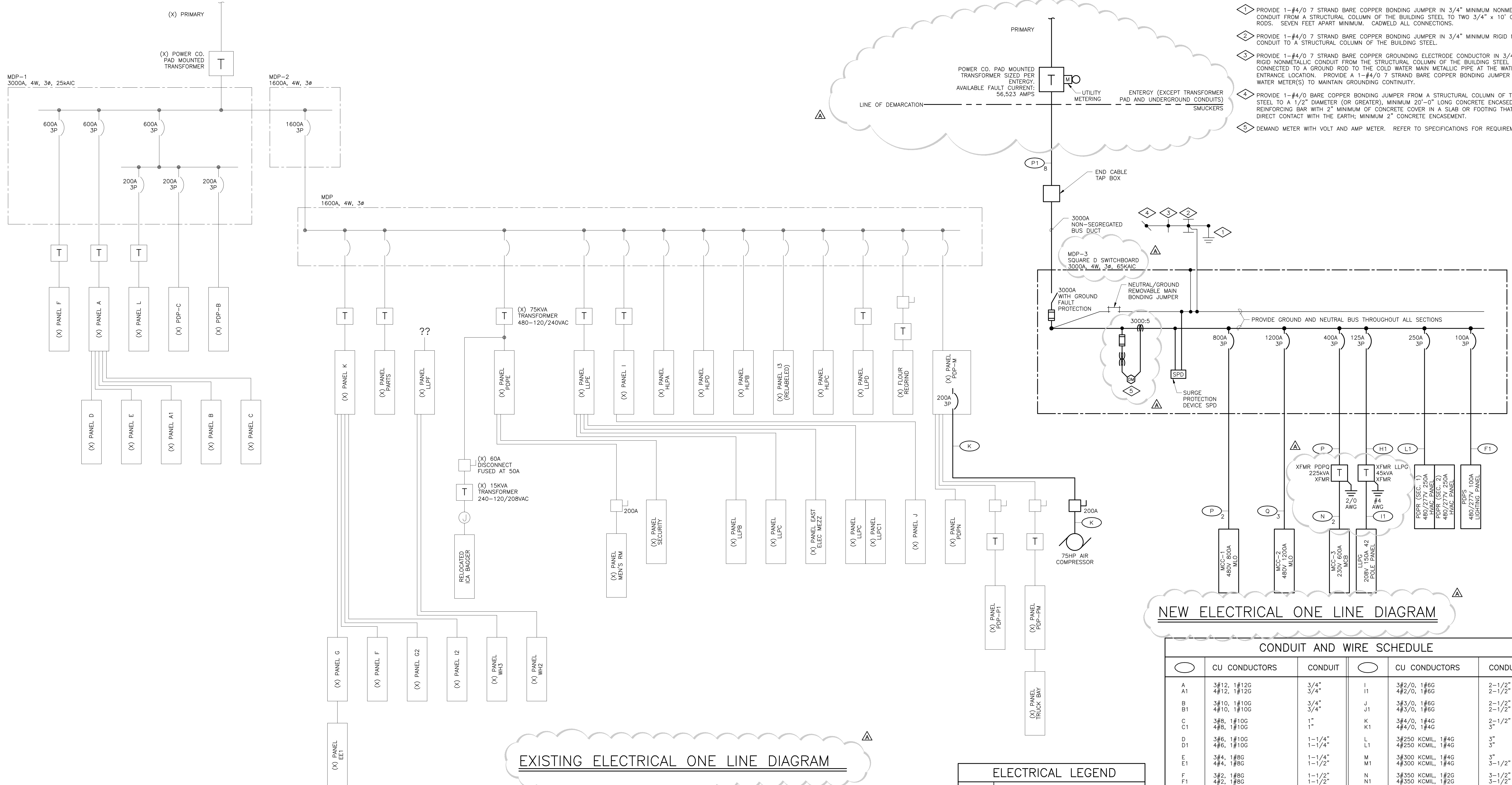
-NO

GENERAL NOTES

- 1. REFER TO DRAWING E1.1 FOR ELECTRICAL DRAWING PACKAGE GENERAL NOTES.

KEY NOTES

- 1. PROVIDE 1-#4/0 7 STRAND BARE COPPER BONDING JUMPER IN 3/4" MINIMUM NONMETALLIC RIGID CONDUIT FROM A STRUCTURAL COLUMN OF THE BUILDING STEEL TO TWO 3/4" x 10" GROUND RODS, SEVEN FEET APART MINIMUM, CADCWELDED ALL CONNECTIONS.
- 2. PROVIDE 1-#4/0 7 STRAND BARE COPPER BONDING JUMPER IN 3/4" MINIMUM RIGID NONMETALLIC CONDUIT TO A STRUCTURAL COLUMN OF THE BUILDING STEEL.
- 3. PROVIDE 1-#4/0 7 STRAND BARE COPPER GROUNDING ELECTRODE CONDUCTOR IN 3/4" MINIMUM RIGID NONMETALLIC CONDUIT FROM THE STRUCTURAL COLUMN OF THE BUILDING STEEL THAT IS CONNECTED TO A GROUND ROD TO THE COLD WATER MAIN METALLIC PIPE AT THE WATER ENTRANCE LOCATION. PROVIDE A 1-#4/0 7 STRAND BARE COPPER BONDING JUMPER AT THE WATER METER(S) TO MAINTAIN GROUNDING CONTINUITY.
- 4. PROVIDE 1-#4/0 BARE COPPER BONDING JUMPER FROM A STRUCTURAL COLUMN OF THE BUILDING STEEL TO A 1/2" DIAMETER (OR GREATER), MINIMUM 20'-0" LONG CONCRETE ENCASED REINFORCING BAR WITH 2" MINIMUM OF CONCRETE COVER IN A SLAB OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH; MINIMUM 2" CONCRETE ENCASEMENT.
- 5. DEMAND METER WITH VOLT AND AMP METER. REFER TO SPECIFICATIONS FOR REQUIREMENTS.



NEW ELECTRICAL ONE LINE DIAGRAM

EXISTING ELECTRICAL ONE LINE DIAGRAM

**ELECTRICAL LEGEND**

SYMBOL	DESCRIPTION
[Symbol]	PANELBOARD AND OTHER LOADS (AS NOTED)
[Symbol]	TRANSFORMER
[Symbol]	DISCONNECT SWITCH
[Symbol]	FUSE
[Symbol]	CIRCUIT BREAKER
[Symbol]	GROUND FAULT
[Symbol]	GROUND CONNECTION
[Symbol]	JUNCTION BOX
[Symbol]	MOTOR
[Symbol]	EQUIPMENT ENCLOSURE OUT LINE
[Symbol]	WORK UNDER THIS CONTRACT
[Symbol]	EXISTING EQUIPMENT AND FEEDERS

**CONDUIT AND WIRE SCHEDULE**

CONDUIT	CU CONDUCTORS	CONDUIT	CU CONDUCTORS	CONDUIT
A	3#12, 1#12G	3/4"	I	3#2/0, 1#6G
A1	4#12, 1#12G	3/4"	J	4#2/0, 1#6G
B	3#10, 1#10G	3/4"	J1	3#3/0, 1#6G
B1	4#10, 1#10G	3/4"	J1	4#3/0, 1#6G
C	3#8, 1#10G	1"	K	3#4/0, 1#4G
C1	4#8, 1#10G	1"	K1	4#4/0, 1#4G
D	3#6, 1#10G	1-1/4"	L	3#250 KCML, 1#4G
D1	4#6, 1#10G	1-1/4"	L1	4#250 KCML, 1#4G
E	3#4, 1#8G	1-1/4"	M	3#300 KCML, 1#4G
E1	4#4, 1#8G	1-1/2"	M1	4#300 KCML, 1#4G
F	3#2, 1#8G	1-1/2"	N	3#350 KCML, 1#2G
F1	4#2, 1#8G	1-1/2"	N1	4#350 KCML, 1#2G
G	3#1, 1#6G	1-1/2"	O	3#400 KCML, 1#2G
G1	4#1, 1#6G	2"	O1	4#400 KCML, 1#2G
H	3#1/0, 1#6G	2"	P	3#500 KCML, 1#2G
H1	4#1/0, 1#6G	2-1/2"	P1	4#500 KCML, 1#2G
FV	FIELD VERIFY BY OTHERS		O	3#600 KCML, 1#2G
BO	SEE SCHEDULE		O1	4#600 KCML, 1#2G
SS	SEE SCHEDULE			
US	UNDERSLAB ROUTING			

**NOTES:**

- 1. ALL FEEDERS SHALL BE "XHHW" TYPE INSULATION. CONDUCTOR MATERIAL SHALL BE COPPER.
- 2. CONDUCTOR LENGTHS SHALL BE CONTINUOUS FROM TERMINATION TO TERMINATION WITHOUT SPLICES.
- 3. NUMBER OUTSIDE THE FEEDER SYMBOL INDICATES PARALLEL RUNS OF CONDUIT AND WIRE.
- 4. GROUND CONDUCTOR SIZES OTHER THAN IN THE SCHEDULE FOR EACH RUN ARE NOTED OUTSIDE THE FEEDER SYMBOL.

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DEPT. APPROVAL	DATE	DRAWN BY	DATE
DEL	01/07/2014	DEL	01/07/2014
PROJECT APPROVAL	DATE	CHECKED BY	DATE
GAP	01/07/2014	GAP	01/07/2014
CLIENT APPROVAL	DATE	MATERIAL	
RESIDENT ENGR. APPROVAL	DATE	LEVEL	TECH
		LINE NO.	PRESENTATION
		EQUIP. NO.	PLANT
		DWG. LIST	PROD. AREA
		SUB ASSY. NO.	DESCRIPTOR
		QUANTITY	BLDG. NO.

**PROJECT ORANGE**  
**ELECTRICAL ONE LINE**  
**DIAGRAM**

DRAWING NUMBER: **E5.1**

**JMS FOODSERVICE LLC**

ISSUE  
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 GAP 02/18/14

PHASE 2

-NO

TYPE : SQUARE D		LOCATION ELECTRICAL ROOM SWITCHBOARD MDP-3						VOLTAGE : 480V, 3Ø, 4W			
DIMENSIONS : 28"D X 9"W		THREE PHASE SWITCHBOARD						MAINS : 3000A			
MOUNTING : FLOOR								A.I.C. RATING : 65,000			
PANEL FEED : TOP								LUGS SIZE : SEE ONE LINE DIAGRAM			
DESCRIPTION	CONNECTED LOAD (VA)			WIRE	BKR	PHASE	WIRE	CONNECTED LOAD (VA)			DESCRIPTION
MCC-1	99486	99486	99486	-	800/3	1 • 2	250/3	38558	38558	38558	PDP
MCC-2	223000	223000	223000	-	1200/3	7 • 8	100/3	5784	3776	5880	PDP
XFMR - MCC-3	50154	50154	50454	-	400/3	13 • 14	125/3	6276	7748	8200	XFMR - LLPG
TOTALS:	372640	372640	372640					50618	50082	52683	
LIGHTING: RECEPTACLES: FIRST 10.0KVA		15.5	1.25	19.3		A		423.2	1528		REFER TO ONE LINE DIAGRAM
REMAINING		5.8	1.00	5.8		B		422.7	1526		FOR CONDUCTOR AND CONDUIT SIZES / QUANTITY
MOTORS: LARGEST		41.4	1.25	51.8		C		425.3	1535		
REMAINING		659.6	1.00	659.6							
HEATING:		16.2	1.00	16.2							
MISCELLANEOUS:		532.7	1.00	532.7							
TOTALS:		1271.2		1285.4 (1546A @480V)							

MECHANICAL EQUIPMENT SCHEDULE							
DESCRIPTION	LOAD	VOLTAGE SYSTEM	CONDUCTORS AND CONDUIT	CIRCUIT PROTECT	CONTACTOR OR STARTER	LOCAL DISCONNECT	REMARKS
EF-3 MECHANICAL ROOM EXHAUST FAN	7.6A	480V 3Ø	(3#10, 1#10G) 3/4"C.	20A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD.
EF-4 MECHANICAL ROOM EXHAUST FAN	7.6A	480V 3Ø	(3#10, 1#10G) 3/4"C.	20A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD.
EF-5 PALLETIZER AREA EXHAUST FAN	14A	480V 3Ø	(3#10, 1#10G) 3/4"C.	20A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD.
EF-6 CAN PACKING ROOM EXHAUST FAN	14A	480V 3Ø	(3#10, 1#10G) 3/4"C.	20A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD.
EF-7 CAN PACKING ROOM EXHAUST FAN	14A	480V 3Ø	(3#10, 1#10G) 3/4"C.	20A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD.
EF-8 CAN PACKING ROOM EXHAUST FAN	14A	480V 3Ø	(3#10, 1#10G) 3/4"C.	20A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD.
EF-9 CAN PACKING ROOM EXHAUST FAN	14A	480V 3Ø	(3#10, 1#10G) 3/4"C.	20A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD.
SF-1 CAN PACKING ROOM SUPPLY FAN	27A	480V 3Ø	(3#6, 1#10G) 1"C.	50A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD.
SF-2 CAN PACKING ROOM SUPPLY FAN	27A	480V 3Ø	(3#6, 1#10G) 1"C.	50A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD.
AC-1A RECEIVING OFFICE AIR HANDLER	1A	208V 1Ø	(2#12, 1#12G) 3/4"C.	VIA AC-1B	N/A	BY OTHERS	--
AC-1B RECEIVING OFFICE AIR CONDENSER	12A	208V 1Ø	(2#12, 1#10G) 3/4"C.	20A2P	N/A	BY OTHERS	--
AC-2A MEZZANINE OFFICE AIR HANDLER	1A	208V 1Ø	(2#12, 1#12G) 3/4"C.	VIA AC-2B	N/A	BY OTHERS	--
AC-2B MEZZANINE OFFICE AIR CONDENSER	12A	208V 1Ø	(2#12, 1#10G) 3/4"C.	20A2P	N/A	BY OTHERS	--
AC-3A ELECTRICAL ROOM AIR HANDLER	2A	208V 1Ø	(2#12, 1#12G) 3/4"C.	VIA AC-3B	N/A	BY OTHERS	--
AC-3B ELECTRICAL ROOM AIR CONDENSER	26A	208V 1Ø	(2#8, 1#10G) 3/4"C.	35A2P	N/A	BY OTHERS	--
AC-4A ELECTRICAL ROOM AIR HANDLER	2A	208V 1Ø	(2#12, 1#12G) 3/4"C.	VIA AC-4B	N/A	BY OTHERS	--
AC-4B ELECTRICAL ROOM AIR CONDENSER	26A	208V 1Ø	(2#8, 1#10G) 3/4"C.	35A2P	N/A	BY OTHERS	--
CP-1 MEZZANINE OFFICE CONDENSATE PUMP	1.5A	120V 1Ø	(2#12, 1#12G) 3/4"C.	20A1P	N/A	N/A	PROVIDED WITH 6" CORD
CP-21 RECEIVING OFFICE CONDENSATE PUMP	1.5A	120V 1Ø	(2#12, 1#12G) 3/4"C.	20A1P	N/A	N/A	PROVIDED WITH 6" CORD
ABBREVIATIONS MOD = MOTOR OPERATED DAMPER							

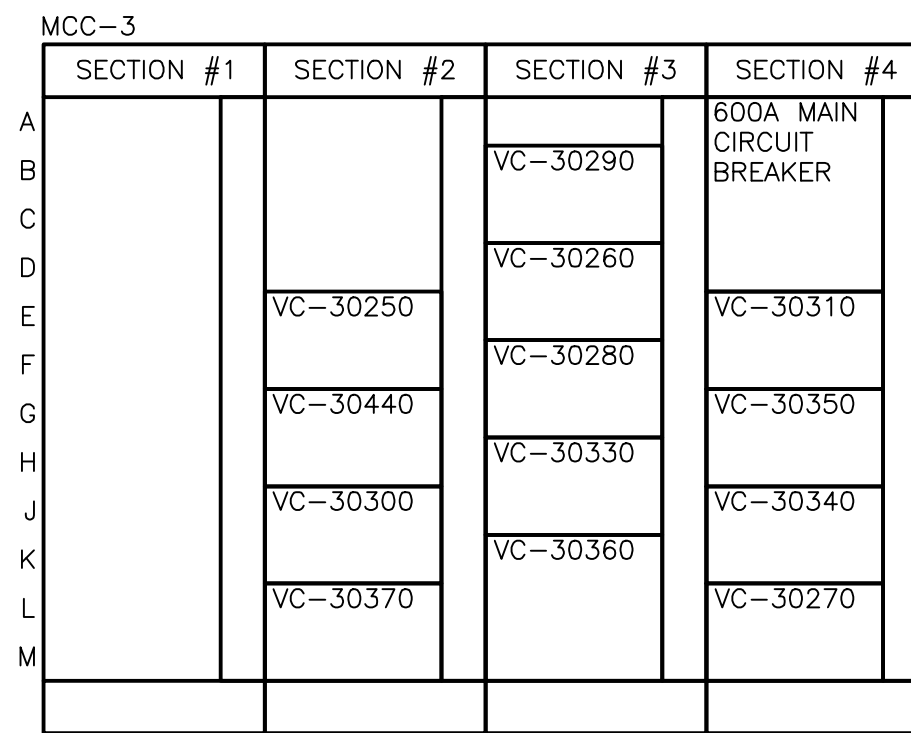
TYPE : SQUARE D NF SERIES		LOCATION ELECTRICAL ROOM PANEL PDP (SECTION 1)						VOLTAGE : 480/277V, 3Ø, 4W			
DIMENSIONS : 20"W X 5.75"D		THREE PHASE PANEL						MAINS : 250A MCB			
MOUNTING : SURFACE								A.I.C. RATING : 65,000			
PANEL FEED : BOTTOM								LUGS SIZE : SEE ONE LINE DIAGRAM			
DESCRIPTION	CONNECTED LOAD (VA)			WIRE	BKR	PHASE	WIRE	CONNECTED LOAD (VA)			DESCRIPTION
EF-3	2106	2106	2106	-	20/3	1 • 2	20/3	3880	3880	3880	EF-6
EF-4	2106	2106	2106	-	20/3	7 • 8	20/3	3880	3880	3880	EF-7
EF-5	3880	3880	3880	-	20/3	13 • 14	20/3	3880	3880	3880	EF-8
SPARE	-	-	-	-	20/3	19 • 20	20/3	3880	3880	3880	EF-9
SPARE	-	-	-	-	20/3	21 • 22	50/3	-	-	-	WELDING RECEPTACLE
SF-1	7473	7473	7473	-	50/3	31 • 32	50/3	-	-	-	WELDING RECEPTACLE
SF-2	7473	7473	7473	-	50/3	37 • 38	20/3	-	-	-	SPARE
TOTALS:	23038	23038	23038					15520	15520	15520	
LIGHTING: RECEPTACLES: FIRST 10.0KVA		15.5	1.25	19.3		A		39	140.8		REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR CONDUCTOR AND CONDUIT SIZES / QUANTITY
REMAINING		5.8	1.00	5.8		B		39	140.8		
MOTORS: LARGEST		41.4	1.25	51.8		C					
REMAINING		659.6	1.00	659.6							
HEATING:		16.2	1.00	16.2							
MISCELLANEOUS:		532.7	1.00	532.7							
TOTALS:		117		122.5 (147.3A @480V)							

TYPE : SQUARE D NF SERIES		LOCATION ELECTRICAL ROOM PANEL PDP (SECTION 2)						VOLTAGE : 480/277V, 3Ø, 4W			
DIMENSIONS : 20"W X 5.75"D		THREE PHASE PANEL						MAINS : 250A MCB			
MOUNTING : SURFACE								A.I.C. RATING : 65,000			
PANEL FEED : BOTTOM								LUGS SIZE : SEE ONE LINE DIAGRAM			
DESCRIPTION	CONNECTED LOAD (VA)			WIRE	BKR	PHASE	WIRE	CONNECTED LOAD (VA)			DESCRIPTION
MEZZANINE LIGHTING	811	1344		-	20/1	1 • 2	20/1	4116	2352	1764	PRODUCTION FLOOR LTG
BELOW MEZZ LIGHTING				-	20/1	3 • 4	20/1				PRODUCTION FLOOR LTG
PRODUCTION FLOOR LTG				-	20/1	5 • 6	20/1				RECEIVING OFFICE LTG
LTG TIME CLOCK	277			-	20/1	7 • 8	20/1	580			RECEIVING OFFICE LTG
SPARE	-	-	-	-	20/1	9 • 10	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	11 • 12	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	13 • 14	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	15 • 16	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	17 • 18	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	19 • 20	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	21 • 22	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	23 • 24	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	25 • 26	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	27 • 28	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	29 • 30	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	31 • 32	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	33 • 34	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	35 • 36	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	37 • 38	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	39 • 40	20/1	-	-	-	SPARE
SPARE	-	-	-	-	20/1	41 • 42	20/1	-	-	-	SPARE
TOTALS:	1088	1424	4116					4696	2352	1764	
LIGHTING: RECEPTACLES: FIRST 10.0KVA		15.5	1.25	19.3		A		5.8	20.9		REFER TO ELECTRICAL DRAWING PACKAGE GENERAL NOTES (SHEET E1.1) CONDUCTORS AND CONDUIT SIZES / QUANTITY
REMAINING		5.8	1.00	5.8		B		3.8	13.7		
MOTORS: LARGEST		41.4	1.25	51.8		C		5.9	20.9		
REMAINING		659.6	1.00	659.6							
HEATING:		16.2	1.00	16.2							
MISCELLANEOUS:		532.7	1.00	532.7							
TOTALS:		15.5		19.3 (23A @ 480V)							

TYPE : SQUARE D NF SERIES		LOCATION ELECTRICAL ROOM PANEL PDP (SECTION 2)						VOLTAGE : 480/277V, 3Ø, 4W			
DIMENSIONS : 20"W X 5.75"D		THREE PHASE PANEL						MAINS : FEED THROUGH LUGS			
MOUNTING : SURFACE								A.I.C. RATING : 65,000			
PANEL FEED : BOTTOM								LUGS SIZE : SEE ONE LINE DIAGRAM			
DESCRIPTION	CONNECTED LOAD (VA)			WIRE	BKR	PHASE	WIRE	CONNECTED LOAD (VA)			DESCRIPTION
SPARE	-	-	-	-	20/3	1 • 2	20/3	-	-	-	SPARE
SPARE	-	-	-	-	20/3	3 • 4	20/3	-	-	-	SPARE
SPARE	-	-	-	-	20/3	7 • 8	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	9 • 10	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	13 • 14	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	15 • 16	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	17 • 18	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	19 • 20	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	21 • 22	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	23 • 24	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	25 • 26	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	27 • 28	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	29 • 30	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	31 • 32	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	33 • 34	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	35 • 36	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	37 • 38	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	39 • 40	20/3	-	-	-	SPARE
SPACE	-	-	-	-	20/3	41 • 42	20/3	-	-	-	SPARE
TOTALS:	0	0	0					0	0	0	
LIGHTING: RECEPTACLES: FIRST 10.0KVA		-	1.25	-		A		0	0	0	REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR CONDUCTOR AND CONDUIT SIZES / QUANTITY
REMAINING		-	1.00	-		B		0	0	0	
MOTORS: LARGEST		-	1.25	-		C		0	0	0	
REMAINING		-	1.00	-							
HEATING:		-	1.00	-							
MISCELLANEOUS:		-	1.00	-							
TOTALS:		0		0 (0A @480V)							

TYPE : SQUARE D NQDD SERIES		LOCATION ELECTRICAL ROOM PANEL LLPG						VOLTAGE : 120/208V, 3Ø, 4W			
DIMENSIONS : 20"W X 5.75"D		THREE PHASE PANEL						MAINS : 150A MCB			
MOUNTING : SURFACE								A.I.C. RATING : 10,000			
PANEL FEED : BOTTOM								LUGS SIZE : SEE ONE LINE DIAGRAM			
DESCRIPTION	CONNECTED LOAD (VA)			WIRE	BKR	PHASE	WIRE	CONNECTED LOAD (VA)			DESCRIPTION
ELECTRICAL RM RECEP	540			-	20/1	1 • 2	20/1	720			MEZZANINE RECEP
MEZZ OFFICE RECEP		720		-	20/1	3 • 4	20/1				

MOTOR CONTROL CENTER "MCC-3"												
TYPE : ALLEN BRADLEY			VOLTAGE : 230V, 3ø, 3W			MCC-3						
DIMENSIONS : SEE PLANS			MAINS : 600A			UNIT WIRING: NEMA CLASS 1, TYPE B						
ENCLOSURE : NEMA 1			A.I.C. RATING : 65,000			LUGS SIZE : REFER TO ONE LINE						
INCOMING FEED: TOP												
LINE NUMBER	DESCRIPTION	LOAD	STARTER	CONTACTOR	CONTROLS					KEY NOTES		
					NUMBER OF MOTORS	FULL LOAD AMPS	SIZE	TYPE	MAGNETIC ONLY BREAKER		SIZE	TYPE
PROVIDE THREE LINE NAMEPLATE												
LOCATION	EQUIPMENT	KEY										
1A	SPACE FOR NEMA SIZE #1											
1B	SPACE FOR NEMA SIZE #1											
1C	SPACE FOR NEMA SIZE #1											
1D	SPACE FOR NEMA SIZE #1											
1E	SPACE FOR NEMA SIZE #1											
1F	SPACE FOR NEMA SIZE #1											
1G	SPACE FOR NEMA SIZE #1											
1H	SPACE FOR NEMA SIZE #1											
1J	SPACE FOR NEMA SIZE #1											
1K	SPACE FOR NEMA SIZE #1											
1L	SPACE FOR NEMA SIZE #1											
1M	SPACE FOR NEMA SIZE #1											
2A	SPACE FOR NEMA SIZE #1											
2B	SPACE FOR NEMA SIZE #1											
2C	SPACE FOR NEMA SIZE #1											
2D	SPACE FOR NEMA SIZE #1											
2E	PACKAGING RM / OVERCAPPER /VC-30250	1 6 00	FVNR									
2G	PACKAGING RM / STRETCHWRAPPER /VC-30440	- 36 -			YES							
2J	PACKAGING RM / HEAT TUNNEL /VC-30300	- 70 -			YES							
2L	PACKAGING RM / PALLETIZER /VC-30370	- 56 -			YES							
3B	PACKAGING RM / SHRINK WRAPPER /VC-30290	- 95 -			YES							
3D	PACKAGING RM / LID MAGAZINE /VC-30260	1 2.2 00	FVNR									
3F	PACKAGING RM / CONV. TO CODE /VC-30280	1 4.2 00	FVNR									
3H	PACKAGING RM / CASE SPIRAL ELEV./VC-30330	1 6 00	FVNR									
3K	PACKAGING RM / CASE CONV. ACC./VC-30360	1 54 3	FVNR									
4A	600A MAIN CIRCUIT BREAKER											
4E	PACKAGING RM / CASE TURNER /VC-30310	1 6.8 0	FVNR									
4G	PACKAGING RM / FULL CASE CONV./FCC PANEL	- 9.6 -			YES							
4J	PACKAGING RM / FULL CASE CONV./VC-30340	1 9.6 0	FVNR									
4L	PACKAGING RM / TREY FORMER /VC-30270	1 22 1	FVNR									
MAXIMUM MCC CAPACITY: 499 KVA 600 AMPS			REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.									
ESTIMATED CONNECTED LOAD: 313 KVA 377 AMPS			VFD - VARIABLE FREQUENCY DRIVE FVNR - FULL VOLTAGE NON-REVERSING									



3 MCC-3 ELEVATION  
E5.3 NTS

GENERAL NOTES

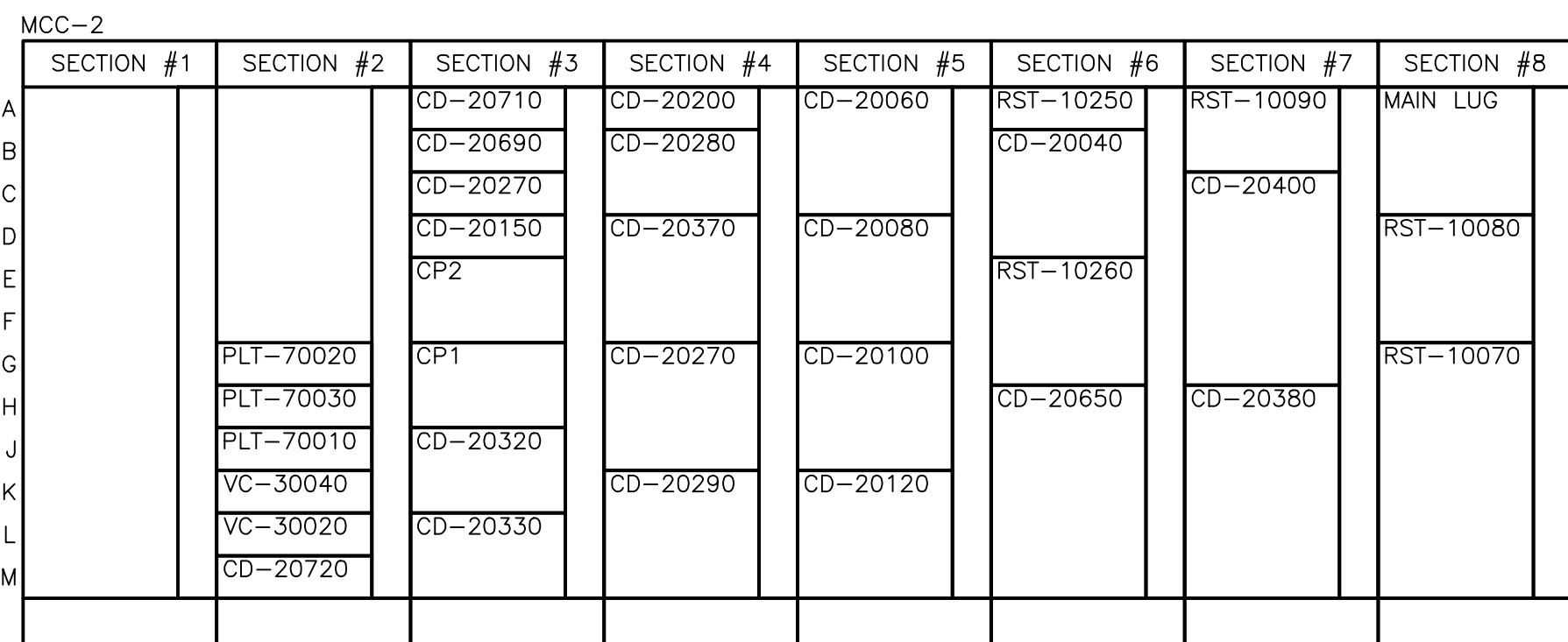
- REFER TO DRAWING E1.1 FOR ELECTRICAL DRAWING PACKAGE GENERAL NOTES.
- MCC'S ARE SHOWN FOR REFERENCE ONLY. MCC'S PROVIDED BY OTHERS.

KEY NOTES

- ◇ SPACE SAVING NEMA FVNR MOTOR STARTER

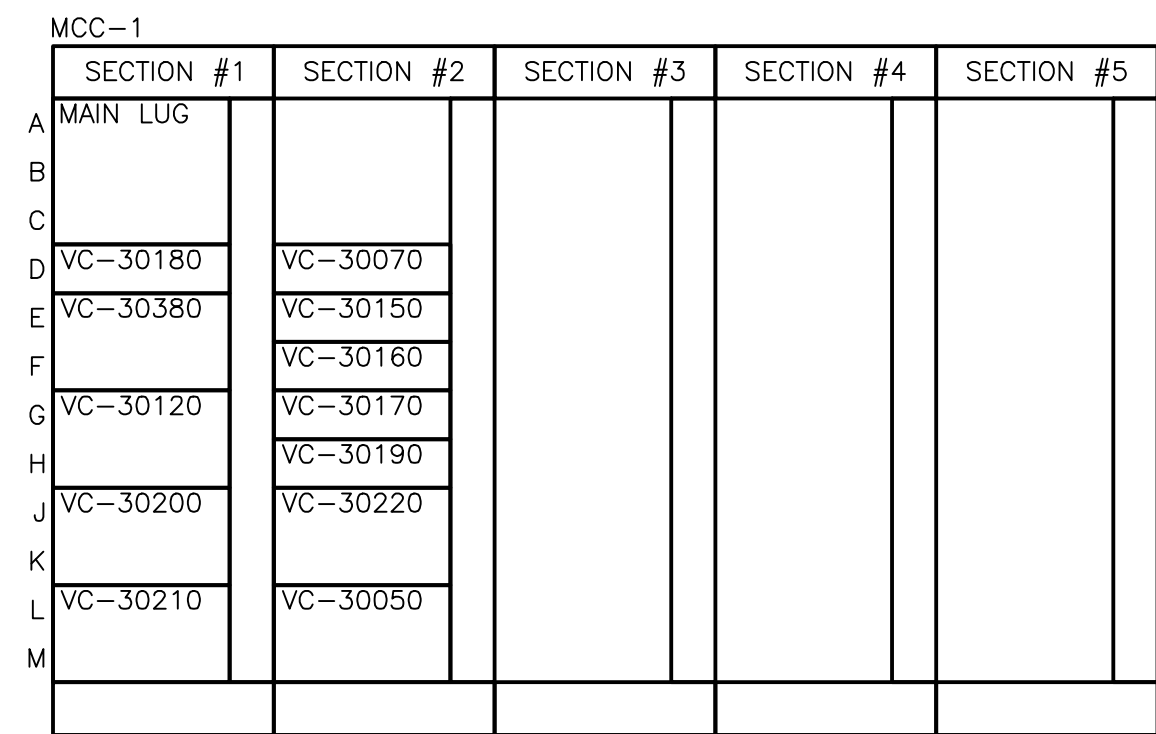
STATEMENT OF SUPERVISION  
THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.

MOTOR CONTROL CENTER "MCC-2"												
TYPE : ALLEN BRADLEY			VOLTAGE : 480V, 3ø, 3W			MCC-2						
DIMENSIONS : SEE PLANS			MAINS : 1200A			UNIT WIRING: NEMA CLASS 1, TYPE B						
ENCLOSURE : NEMA 1			A.I.C. RATING : 65,000			LUGS SIZE : REFER TO ONE LINE						
INCOMING FEED: TOP												
LINE NUMBER	DESCRIPTION	LOAD	STARTER	CONTACTOR	CONTROLS					KEY NOTES		
					NUMBER OF MOTORS	FULL LOAD AMPS	SIZE	TYPE	MAGNETIC ONLY BREAKER		SIZE	TYPE
PROVIDE THREE LINE NAMEPLATE												
LOCATION	EQUIPMENT	KEY										
1A	SPACE FOR NEMA SIZE #1											
1B	SPACE FOR NEMA SIZE #1											
1C	SPACE FOR NEMA SIZE #1											
1D	SPACE FOR NEMA SIZE #1											
1E	SPACE FOR NEMA SIZE #1											
1F	SPACE FOR NEMA SIZE #1											
1G	SPACE FOR NEMA SIZE #1											
1H	SPACE FOR NEMA SIZE #1											
1J	SPACE FOR NEMA SIZE #1											
1K	SPACE FOR NEMA SIZE #1											
1L	SPACE FOR NEMA SIZE #1											
1M	SPACE FOR NEMA SIZE #1											
2A	SPACE FOR NEMA SIZE #1											
2B	SPACE FOR NEMA SIZE #1											
2C	SPACE FOR NEMA SIZE #1											
2D	SPACE FOR NEMA SIZE #1											
2E	SPACE FOR NEMA SIZE #1											
2F	SPACE FOR NEMA SIZE #1											
2G	PROCESS ROOM / VACUUM SYSTEM /PLT-70020	1 31 3	FVNR							1		
2H	PROCESS ROOM / VACUUM SYSTEM /PLT-70030	1 31 3	FVNR							1		
2J	PROCESS ROOM /VENT. FILTER/REC./PLT-70010	1 11 1	FVNR							1		
2K	PROCESS ROOM /CAN LINE RECLAIM/VC-30040	1 7.6 0	FVNR							1		
2L	PROCESS ROOM / HOMOGENIZER /VC-30020	1 2.1 00	FVNR							1		
2M	PROCESS ROOM /CAN FILLER VAC./CD-20720	1 14 1	FVNR							1		
3A	PROCESS ROOM /CAN FILLER VAC./CD-20710	1 14 1	FVNR							1		
3B	PROCESS ROOM /CAN FILLER FILTER/CD-20690	1 2.1 00	FVNR							1		
3C	PROCESS ROOM /GRINDER F/R ROT./CD-20270	1 2.1 00	FVNR							1		
3D	PROCESS ROOM /GRINDER REC. ROT./CD-20150	1 2.1 00	FVNR							1		
3E	PROCESS ROOM / DEGAS BIN CP2 /CP2	- 16 -			YES							
3G	PROCESS ROOM / DEGAS BIN CP1 /CP1	- 73 -			YES							
3J	PROCESS ROOM / GRINDER CHILLER /CD-20320	1 17.2 -			YES							
3L	PROCESS ROOM / GRINDER CHILLER /CD-20330	1 17.2 -			YES							
4A	PROCESS ROOM / GROUND REWORK /CD-20200	1 2.1 00	FVNR							1		
4B	PROCESS ROOM / GRINDER VACUUM /CD-20280	1 40 3	FVNR							1		
4D	PROCESS ROOM / GROUND REWORK /CD-20370	1 2.1 -	VFD									
4G	PROCESS ROOM / GRINDER /CD-20270	1 152 -			YES							
4K	PROCESS ROOM / GRINDER /CD-20290	1 152 -			YES							
5A	PROCESS ROOM /WR BIN DISCHARGE/CD-20060	1 2.1 -	VFD									
5D	PROCESS ROOM /WR BIN DISCHARGE/CD-20080	1 2.1 -	VFD									
5G	PROCESS ROOM /WR BIN DISCHARGE/CD-20100	1 2.1 -	VFD									
5K	PROCESS ROOM /WR BIN DISCHARGE/CD-20120	1 2.1 -	VFD									
6A	PROCESS ROOM / WR SURGE BIN /RST-10250	1 7.6 0	FVNR							1		
6B	PROCESS ROOM / WB REWORK ROT./CD-20040	1 2.1 -	VFD									
6E	PROCESS ROOM / WR SRGIN F/R /RST-10260	1 2.1 -	VFD									
6H	PROCESS ROOM / DEGAS BINS DIS./CD-20650	1 34 -	VFD									
7A	PROCESS ROOM / ROASTED BLOWER /RST-10090	1 52 3	FVNR							1		
7C	PROCESS ROOM / DEGAS BINS TUB./CD-20400	1 34 -	VFD									
7H	PROCESS ROOM /GRINDER DIS. TUB./CD-20380	1 34 -	VFD									
8A	MAIN LUGS											
8D	PROCESS ROOM /ROASTER DIS. ROT./RST-10080	1 2.1 -	VFD									
8G	PROCESS ROOM / WB DRAG CON. /RST-10070	1 40 -	VFD									
MAXIMUM MCC CAPACITY: 998 KVA 1200 AMPS			REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.									
ESTIMATED CONNECTED LOAD: 669 KVA 805 AMPS			VFD - VARIABLE FREQUENCY DRIVE FVNR - FULL VOLTAGE NON-REVERSING									



2 MCC-2 ELEVATION  
E5.3 NTS

MOTOR CONTROL CENTER "MCC-1"												
TYPE : ALLEN BRADLEY			VOLTAGE : 480V, 3ø, 3W			MCC-1						
DIMENSIONS : SEE PLANS			MAINS : 800A			UNIT WIRING: NEMA CLASS 1, TYPE B						
ENCLOSURE : NEMA 1			A.I.C. RATING : 65,000			LUGS SIZE : REFER TO ONE LINE						
INCOMING FEED: TOP												
LINE NUMBER	DESCRIPTION	LOAD	STARTER	CONTACTOR	CONTROLS					KEY NOTES		
					NUMBER OF MOTORS	FULL LOAD AMPS	SIZE	TYPE	MAGNETIC ONLY BREAKER		SIZE	TYPE
PROVIDE THREE LINE NAMEPLATE												
LOCATION	EQUIPMENT	KEY										
1A	MAIN LUGS											
1D	PROCESS ROOM /CAN END CRIMPER/VC-30180	1 11 1	FVNR							1		
1E	PROCESS ROOM /FULL PALLET CONV./VC-30380	- 17 -			YES							
1G	PROCESS ROOM / FULL CAN TABLE /VC-30120	- 102 -			YES							
1J	PROCESS ROOM / VAC. CAN CLOSER /VC-30200	1 9.4 3	FVNR							1		
1L	PROCESS ROOM / VAC. CAN CLOSER /VC-30210	1 9.4 3	FVNR							1		
2A	SPACE FOR NEMA SIZE #1											
2B	SPACE FOR NEMA SIZE #1											
2C	SPACE FOR NEMA SIZE #1											
2D	PROCESS ROOM / AIR TWIST CAN /VC-30070	1 4.8 0	FVNR							1		
2E	PROCESS ROOM / ACC TABLE /VC-30150	1 4.8 0	FVNR							1		
2F	PROCESS ROOM / SIDE GRIP ELEV./VC-30160	1 4.8 0	FVNR							1		
2G	PROCESS ROOM / SIDE GRIP ELEV./VC-30170	1 4.8 0	FVNR							1		
2H	PROCESS ROOM / CAN CODER /VC-30190	1 11 1	FVNR							1		
2J	PROCESS ROOM / CAN LABELER /VC-30220	1 40 -			YES							
2L	PROCESS ROOM / DEPALLETIZER /VC-30050	1 100 -			YES							
3A	SPACE FOR NEMA SIZE #1											
3B	SPACE FOR NEMA SIZE #1											
3C	SPACE FOR NEMA SIZE #1											
3D	SPACE FOR NEMA SIZE #1											
3E	SPACE FOR NEMA SIZE #1											
3F	SPACE FOR NEMA SIZE #1											
3G	SPACE FOR NEMA SIZE #1											
3H	SPACE FOR NEMA SIZE #1											
3J	SPACE FOR NEMA SIZE #1											
3L	SPACE FOR NEMA SIZE #1											
3M	SPACE FOR NEMA SIZE #1											
4A	SPACE FOR NEMA SIZE #1											
4B	SPACE FOR NEMA SIZE #1											
4C	SPACE FOR NEMA SIZE #1											
4D	SPACE FOR NEMA SIZE #1											
4E	SPACE FOR NEMA SIZE #1											
4F	SPACE FOR NEMA SIZE #1											
4G	SPACE FOR NEMA SIZE #1											
4H	SPACE FOR NEMA SIZE #1											
4J	SPACE FOR NEMA SIZE #1											
4L	SPACE FOR NEMA SIZE #1											
4M	SPACE FOR NEMA SIZE #1											
5A	SPACE FOR NEMA SIZE #1											
5B	SPACE FOR NEMA SIZE #1											
5C	SPACE FOR NEMA SIZE #1											
5D	SPACE FOR NEMA SIZE #1											
5E	SPACE FOR NEMA SIZE #1											
5F	SPACE FOR NEMA SIZE #1											
5G	SPACE FOR NEMA SIZE #1											
5H	SPACE FOR NEMA SIZE #1											
5J	SPACE FOR NEMA SIZE #1											
5L	SPACE FOR NEMA SIZE #1											
5M	SPACE FOR NEMA SIZE #1											
MAXIMUM MCC CAPACITY: 998 KVA 1200 AMPS			REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.									
ESTIMATED CONNECTED LOAD: 669 KVA 805 AMPS			VFD - VARIABLE FREQUENCY DRIVE FVNR - FULL VOLTAGE NON-REVERSING									



1 MCC-1 ELEVATION  
E5.3 NTS

ISSUE DATE: 02/27/14

DEPT. APPROVAL	DATE	DATE	DATE
PROJECT APPROVAL	DATE	DATE	DATE
CLIENT APPROVAL	DATE	DATE	DATE
RESIDENT ENGR. APPROVAL	DATE	COMMISSION	PROJECT #
STAMP		14015	REV

**DESIGN GROUP**  
**FACILITY SOLUTIONS**  
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CHECKED BY	DATE	PRESENTATION
GAP	01/07/2014	PLANT
MATERIAL		PROD. AREA
SUB ASSY. NO.		DESCRIPTOR
QUANTITY		BLDG. NO.