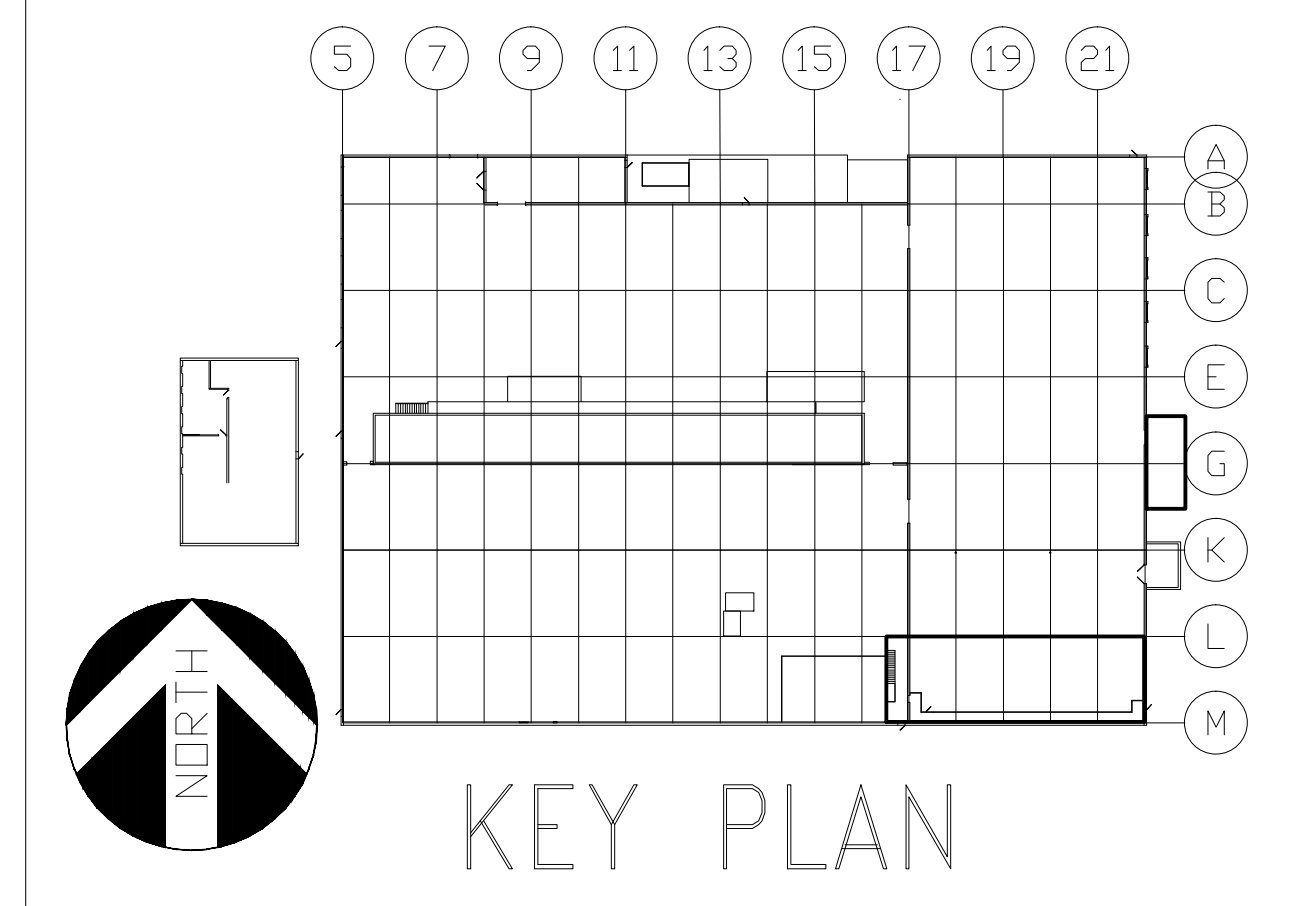
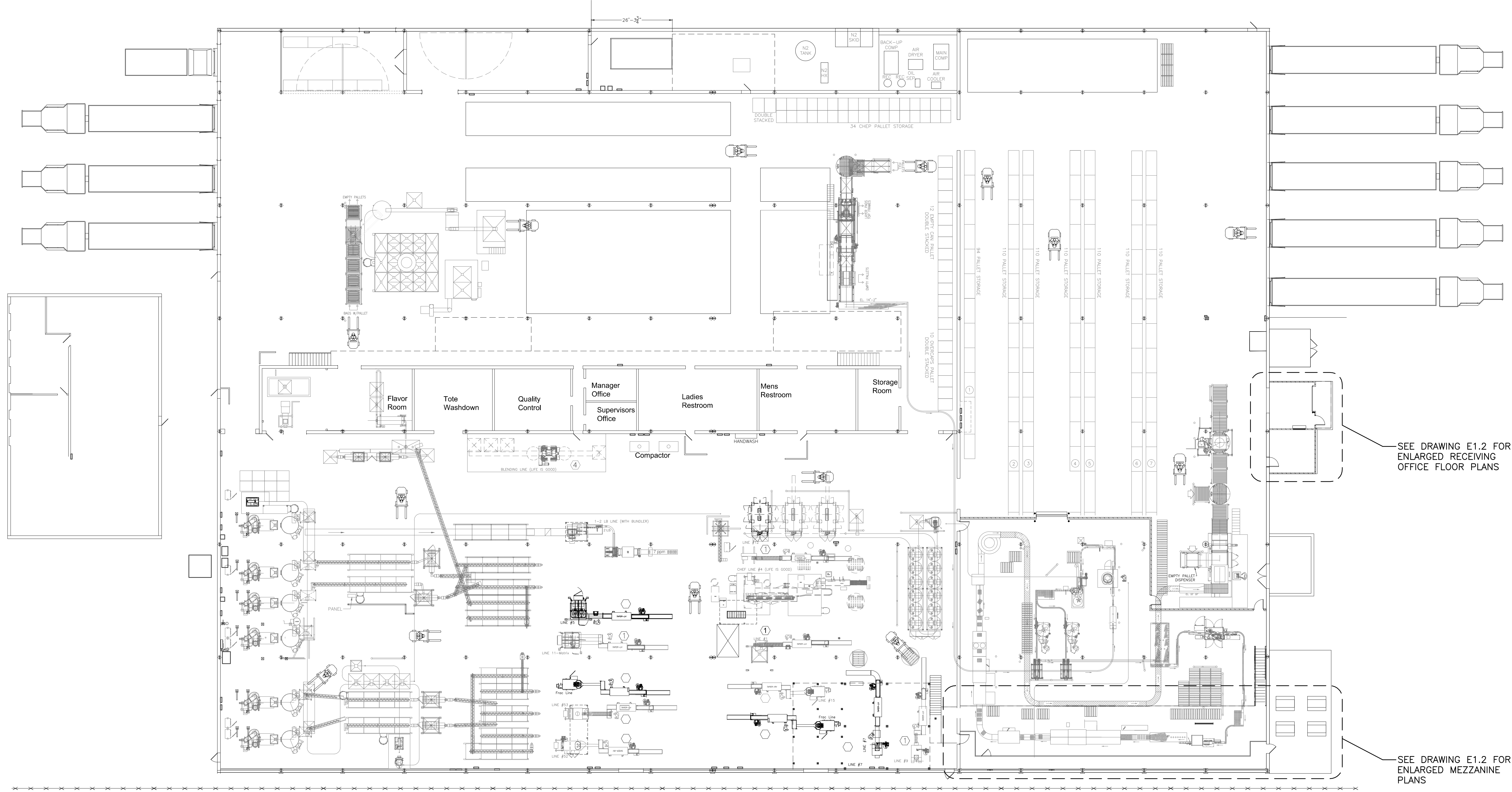


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GENERAL NOTES

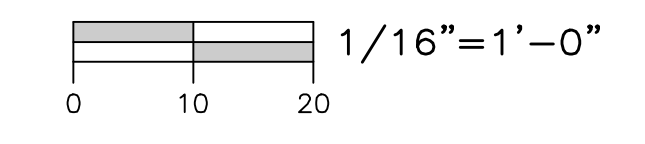
- THE ELECTRICAL DRAWINGS FURNISHED BY DESIGN GROUP FACILITY SOLUTIONS, LLC ARE FOR POWER DESIGN ONLY. PROCESS DESIGN AND INSTALLATION ARE PROVIDED BY OTHERS. THIS ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER AND OWNER'S VENDORS/CONTRACTORS AS REQUIRED.
- FOLLOW ALL APPLICABLE CODES AND USE GOOD 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/AIRTIGHT 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, CABLE 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



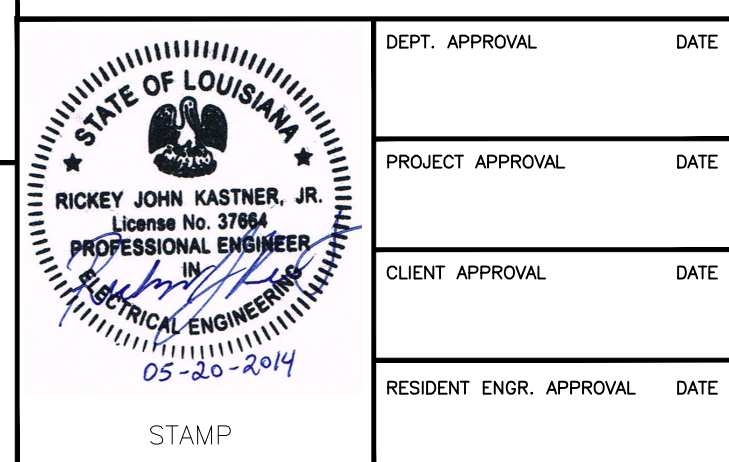
ELECTRICAL DRAWING LIST

- E1.1 - OVERALL FLOOR PLAN ELECTRICAL
- E1.2 - ENLARGED FLOOR PLAN ELECTRICAL
- E1.3 - OVERALL FLOOR PLAN ELECTRICAL
- 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



**DESIGN GROUP FACILITY SOLUTIONS**  
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 PHONE: (603) 225-0010 FAX: (603) 225-0761

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

DRAWN BY	DATE
CHECKED BY	DATE
MATERIAL	
REV	SCALE

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

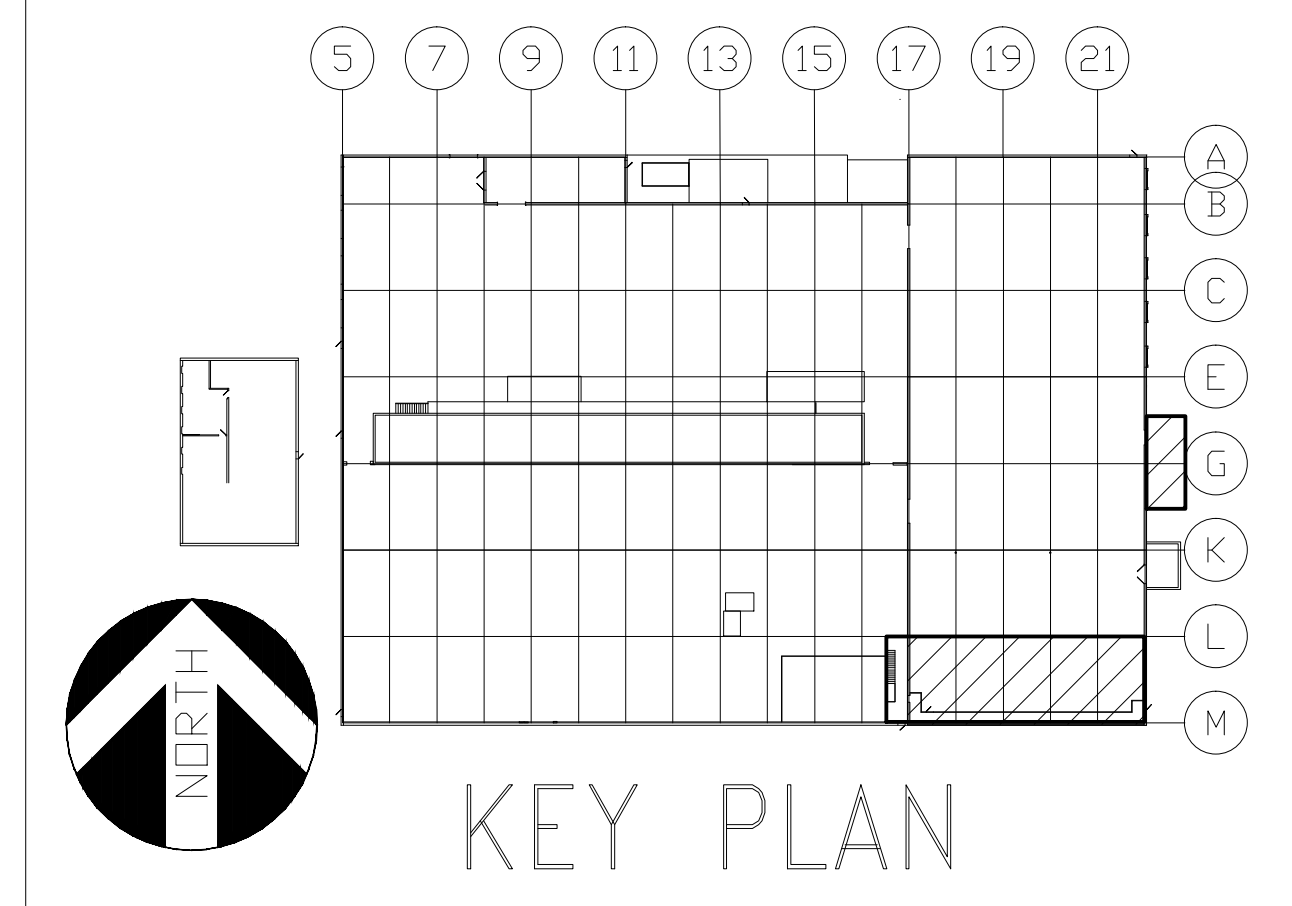
PHASE 1

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

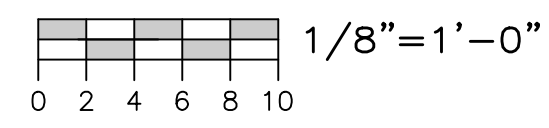
DRAWING NUMBER **E1.1**  
 SUPERSEDES

ISSUE	DATE
A. ELECTRICAL REVISIONS	GAP 03/18/14
B. MCC LAYOUT REVISION	GAP 05/19/14
C. ISSUED FOR PERMIT	GAP 03/20/14

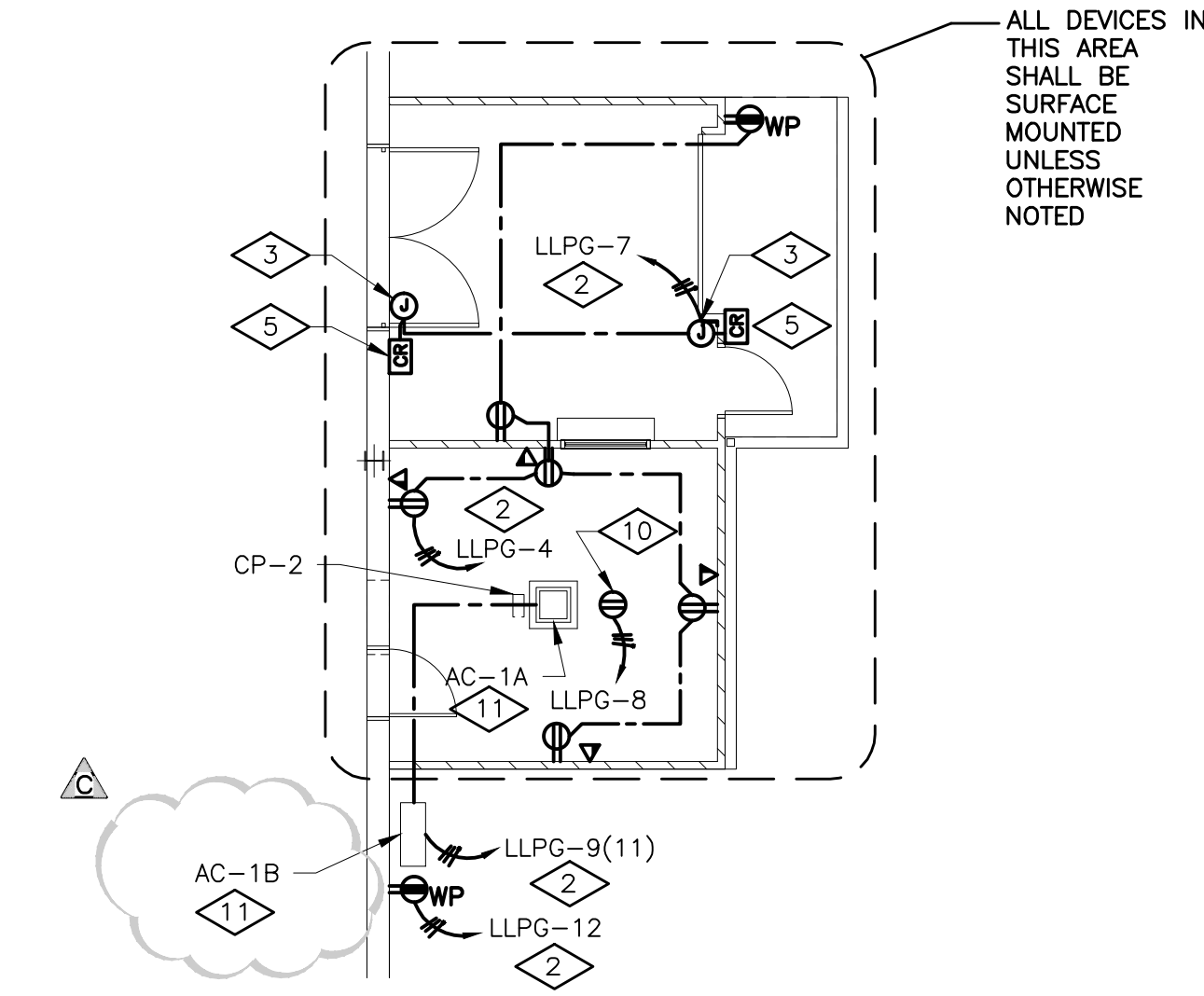
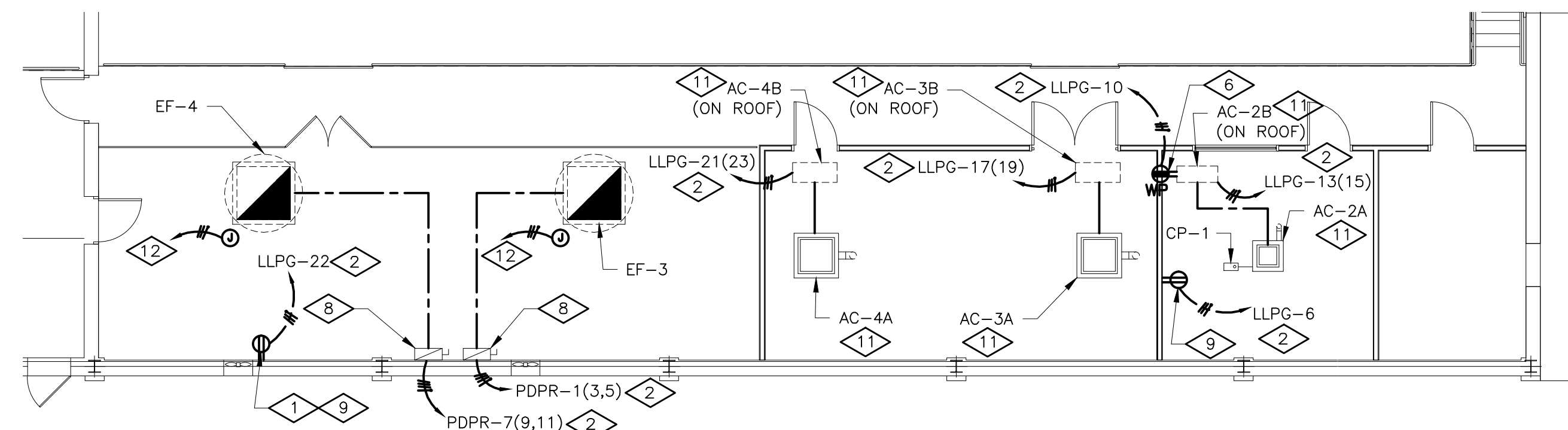
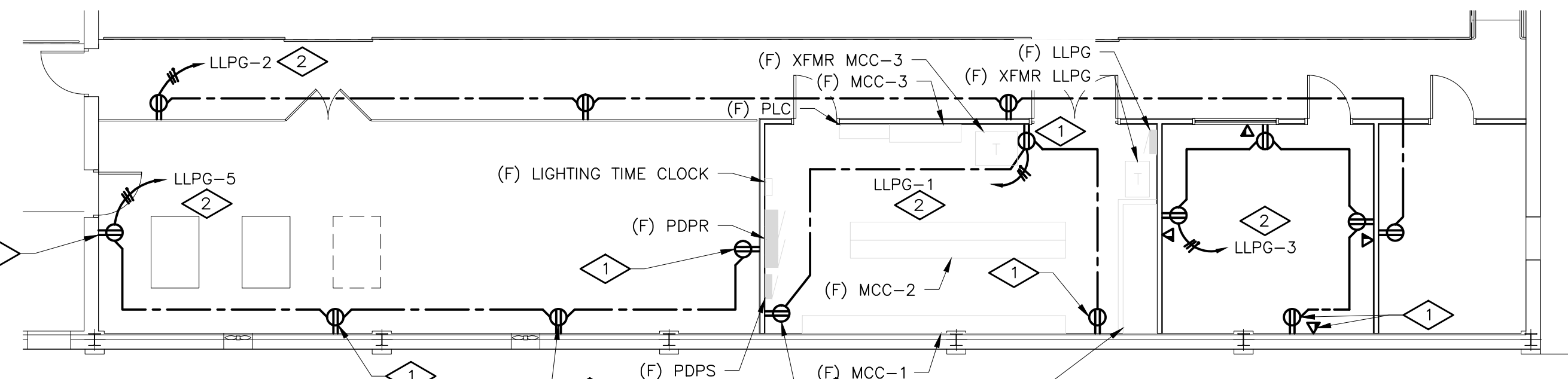
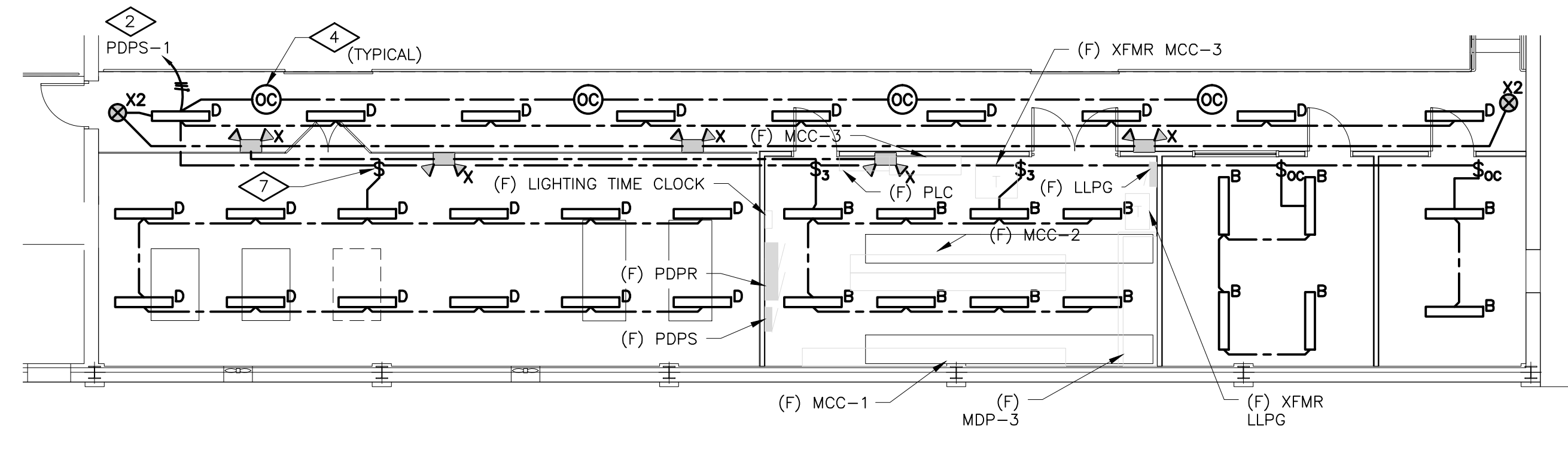
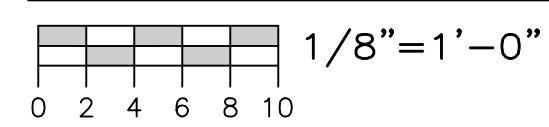
-NO



RECEIVING OFFICE LIGHTING PLAN



RECEIVING OFFICE POWER PLAN



ELECTRICAL LEGEND		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=FUUSED 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**

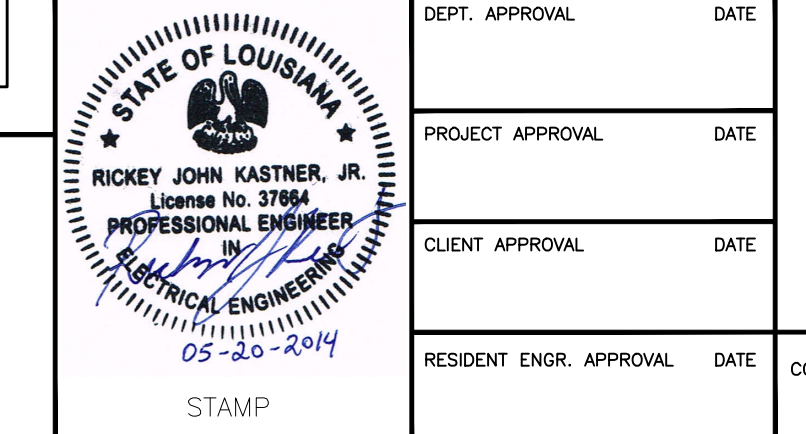
- Lighting shall be NSF RATED IF THE AREA IS OPEN TO THE PRODUCTION AREA.
- LIFE SAFETY CONNECTED TO LOCAL UNSWITCHED LIGHTING CIRCUIT THAT IS INDICATED.

- 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" FROM THE LOAD SIDE OF THE EXHAUST FAN STARTER, PROVIDE FUSING AND STEP DOWN TRANSFORMER AS REQUIRED.



**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



**DESIGN GROUP FACILITY SOLUTIONS**  
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DEPT. APPROVAL	DATE
PROJECT APPROVAL	DATE
CLIENT APPROVAL	DATE
RESIDENT ENGR. APPROVAL	DATE
COMMISSION	PROJECT #
14015	

DRAWN BY	DATE
DEL	01/07/2014
CHECKED BY	DATE
GAP	01/07/2014
MATERIAL	
REV	SCALE
	AS NOTED

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

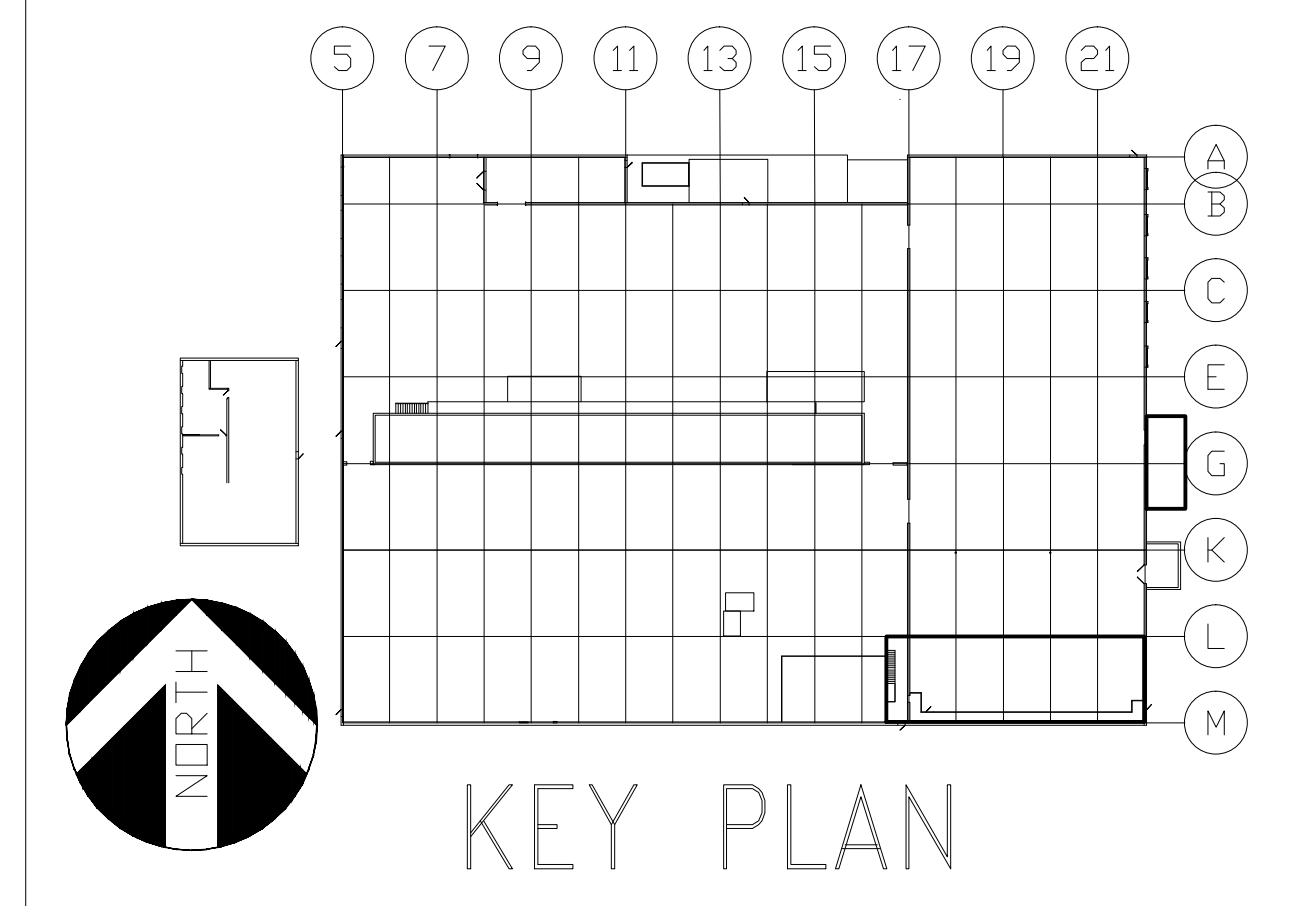
**PROJECT ORANGE**  
**ENLARGED FLOOR PLAN**  
**ELECTRICAL**  
**JMS FOODSERVICE LLC**

DRAWING NUMBER **E1.2**  
SUPERSEDES

ISSUE	
A ELECTRICAL REVISIONS	
GAP 03/18/14	
B MCC LAYOUT REVISION	
GAP 05/19/14	
C ISSUED FOR PERMIT	
GAP 03/20/14	

PHASE 1

-NO

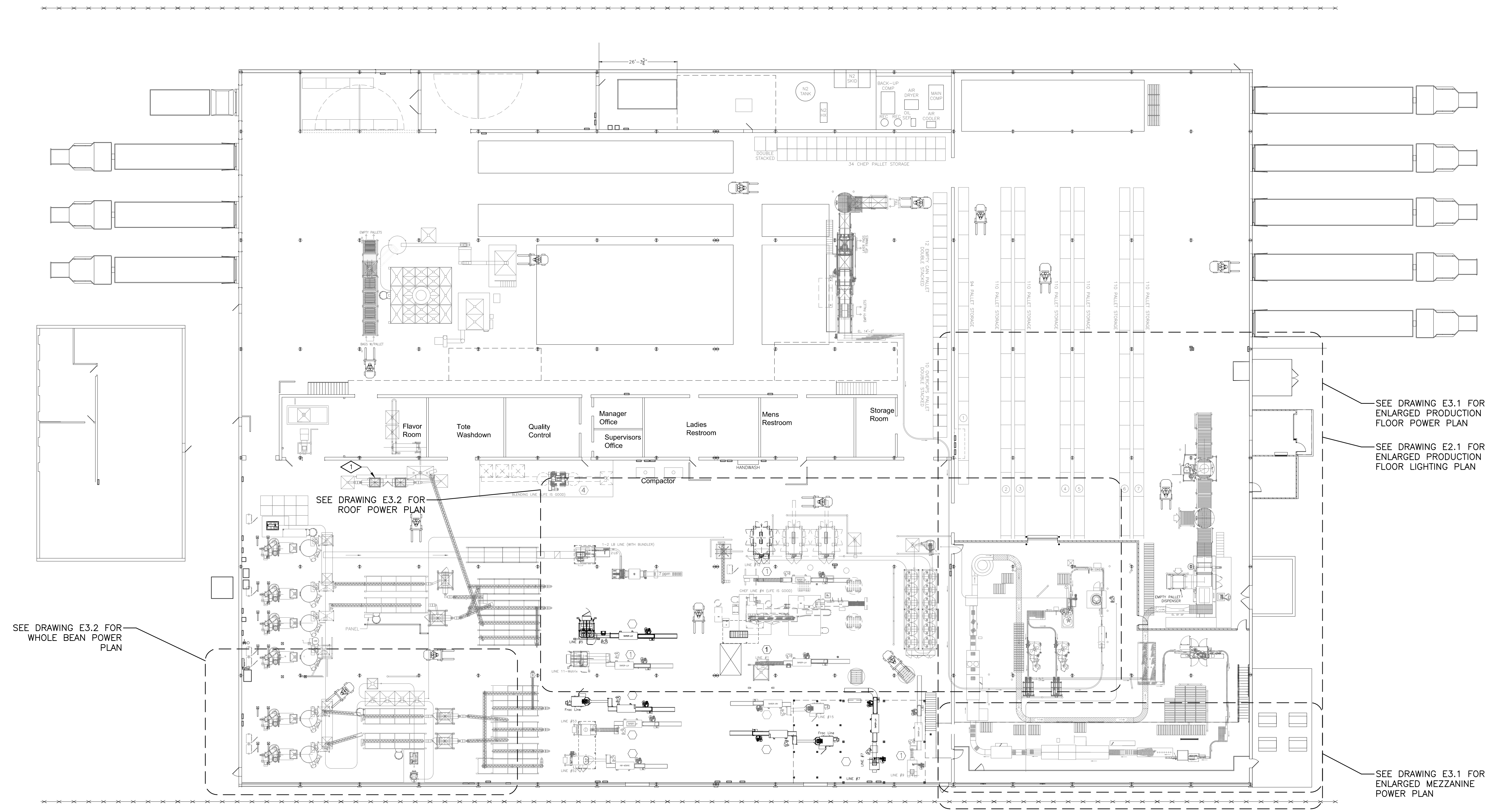


GENERAL NOTES

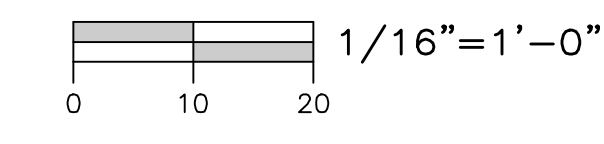
- 1. REFER TO DRAWING E1.1 FOR ELECTRICAL DRAWING PACKAGE GENERAL NOTES.

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.



OVERALL POWER PLAN



SEE DRAWING E3.2 FOR WHOLE BEAN POWER PLAN

SEE DRAWING E3.2 FOR ROOF POWER PLAN

SEE DRAWING E3.1 FOR ENLARGED PRODUCTION FLOOR POWER PLAN

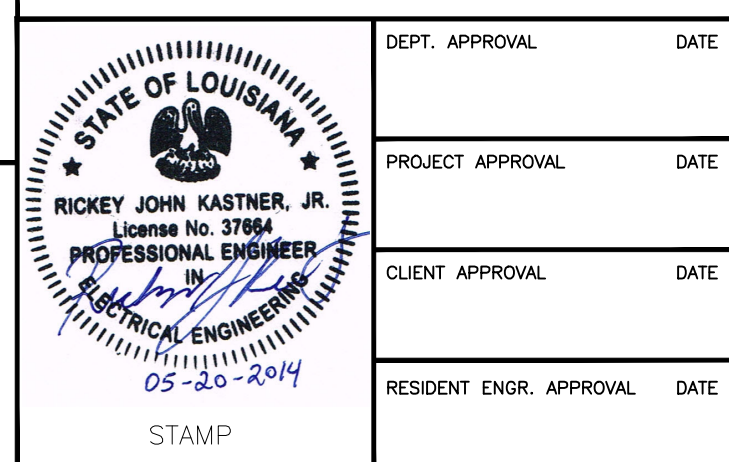
SEE DRAWING E2.1 FOR ENLARGED PRODUCTION FLOOR LIGHTING PLAN

SEE DRAWING E3.1 FOR ENLARGED MEZZANINE POWER PLAN



STATEMENT OF SUPERVISION  
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REV	SCALE

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

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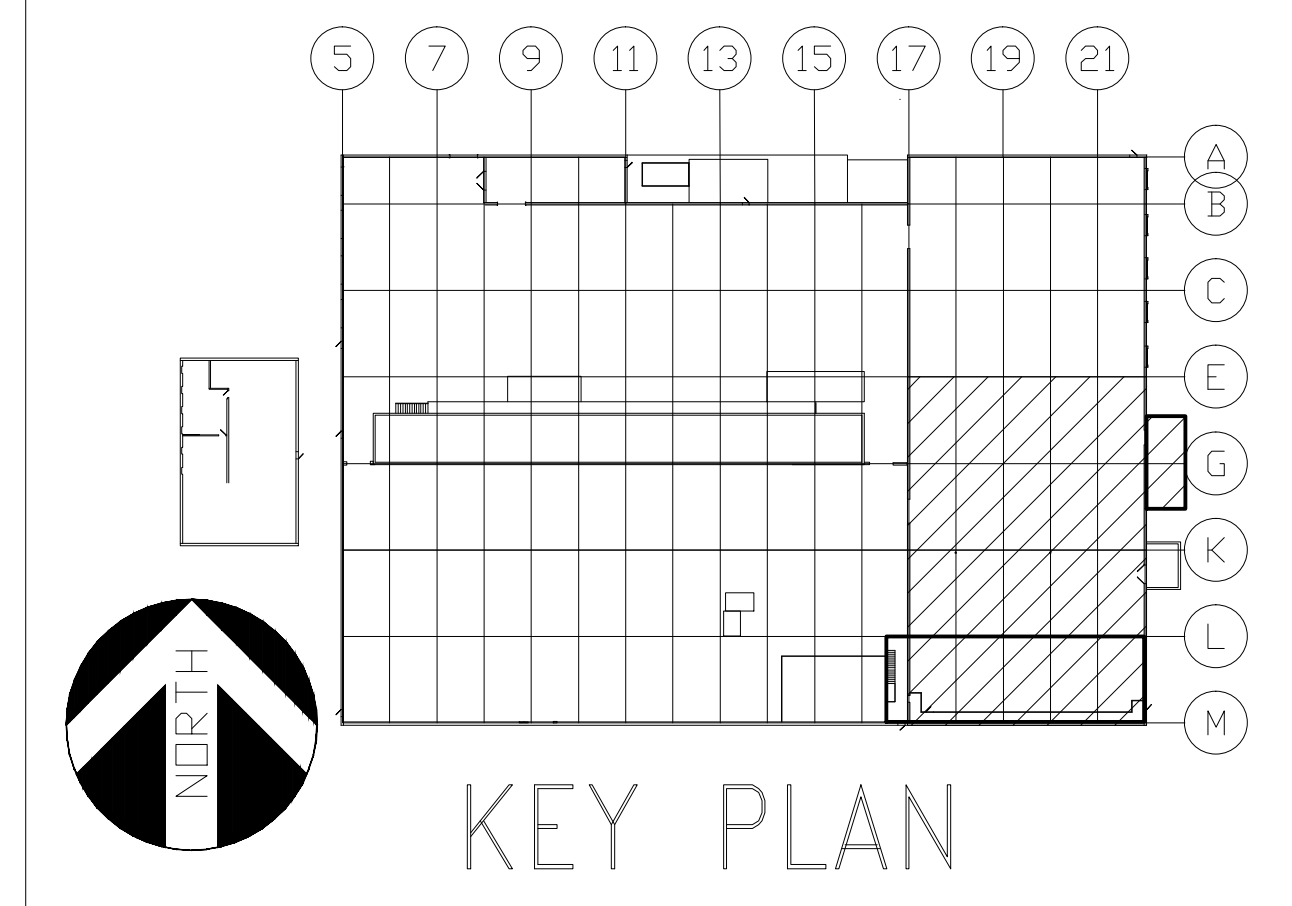
PHASE 2

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

DRAWING NUMBER **E1.3**  
 SUPERSEDES

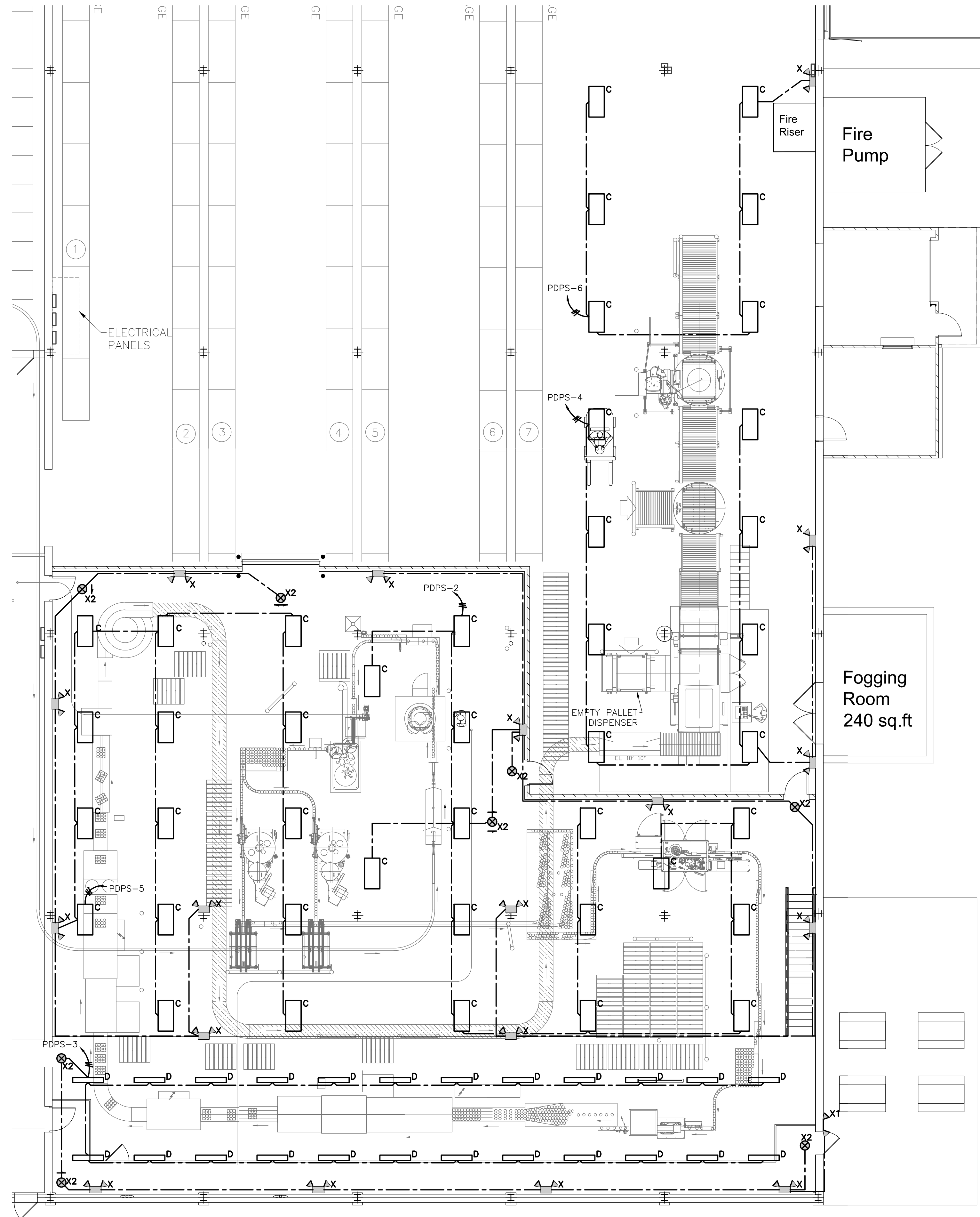
ISSUE	
A ELECTRICAL REVISIONS	GAP 03/18/14
B WCC LAYOUT REVISION	GAP 05/19/14
C ISSUED FOR PERMIT	GAP 03/20/14

-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.

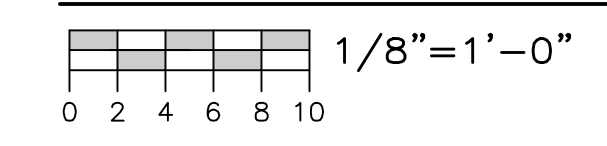


LUMINAIRE SCHEDULE						
KEY	DESCRIPTION AND FINISH	MOUNTING	MANUFACTURER	SERIES OR TYPE (NOT A COMPLETE QTY. #)	VOLT	LAMP(S)
C	2x4 HOSEDOWN HIGH BAY WITH (6) 49W TSHO LAMPS, SPECULAR SPREAD BEAM REFLECTOR, CLEAR ACRYLIC LENS	20' AFF	LITHONIA	FHH24 654	277	SIX (6) 49-WATT TSHO LINEAR FLUORESCENT
D	4' 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**

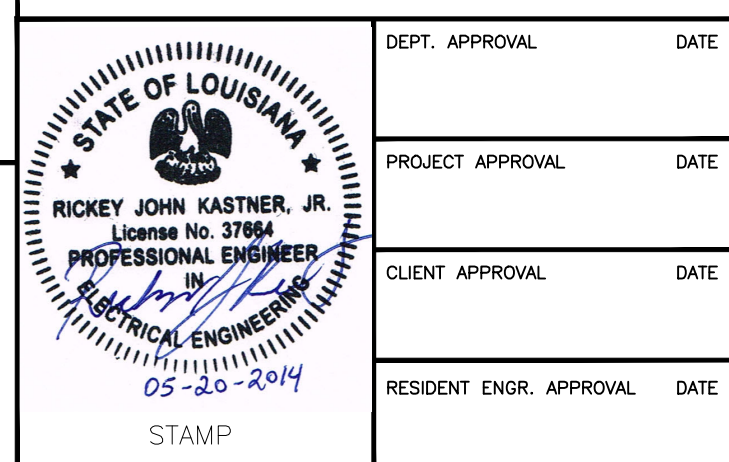
- ▲ LIGHTING SHALL BE NSF RATED IF THE AREA IS OPEN TO THE PRODUCTION AREA.
- ◆ LIFE SAFETY CONNECTED TO LOCAL UNSWITCHED LIGHTING CIRCUIT THAT IS INDICATED.

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



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

DEPT. APPROVAL	DATE	DRAWN BY	DATE
PROJECT APPROVAL	DATE	CHECKED BY	DATE
CLIENT APPROVAL	DATE	MATERIAL	
RESIDENT ENGR. APPROVAL	DATE	COMMISSION	PROJECT #
		REV	SCALE
			AS NOTED

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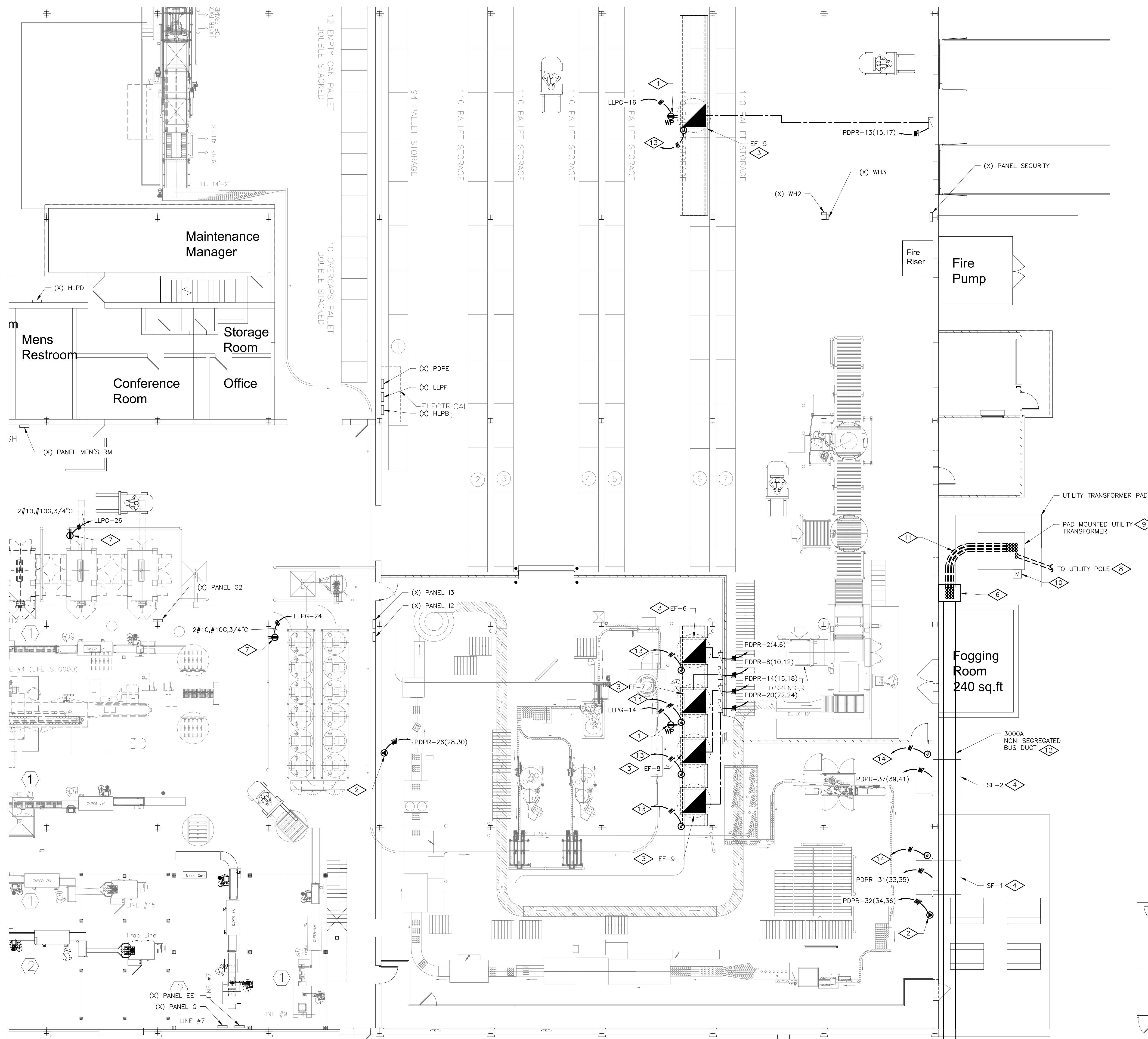
**PROJECT ORANGE**  
**ENLARGED FLOOR PLAN**  
**LIGHTING**  
**JMS FOODSERVICE LLC**

DRAWING NUMBER **E2.1**  
 SUPERSEDES

ISSUE	
A ELECTRICAL REVISIONS	GAP 03/18/14
B MCC LAYOUT REVISION	GAP 05/19/14
C ISSUED FOR PERMIT	GAP 03/20/14

PHASE 2

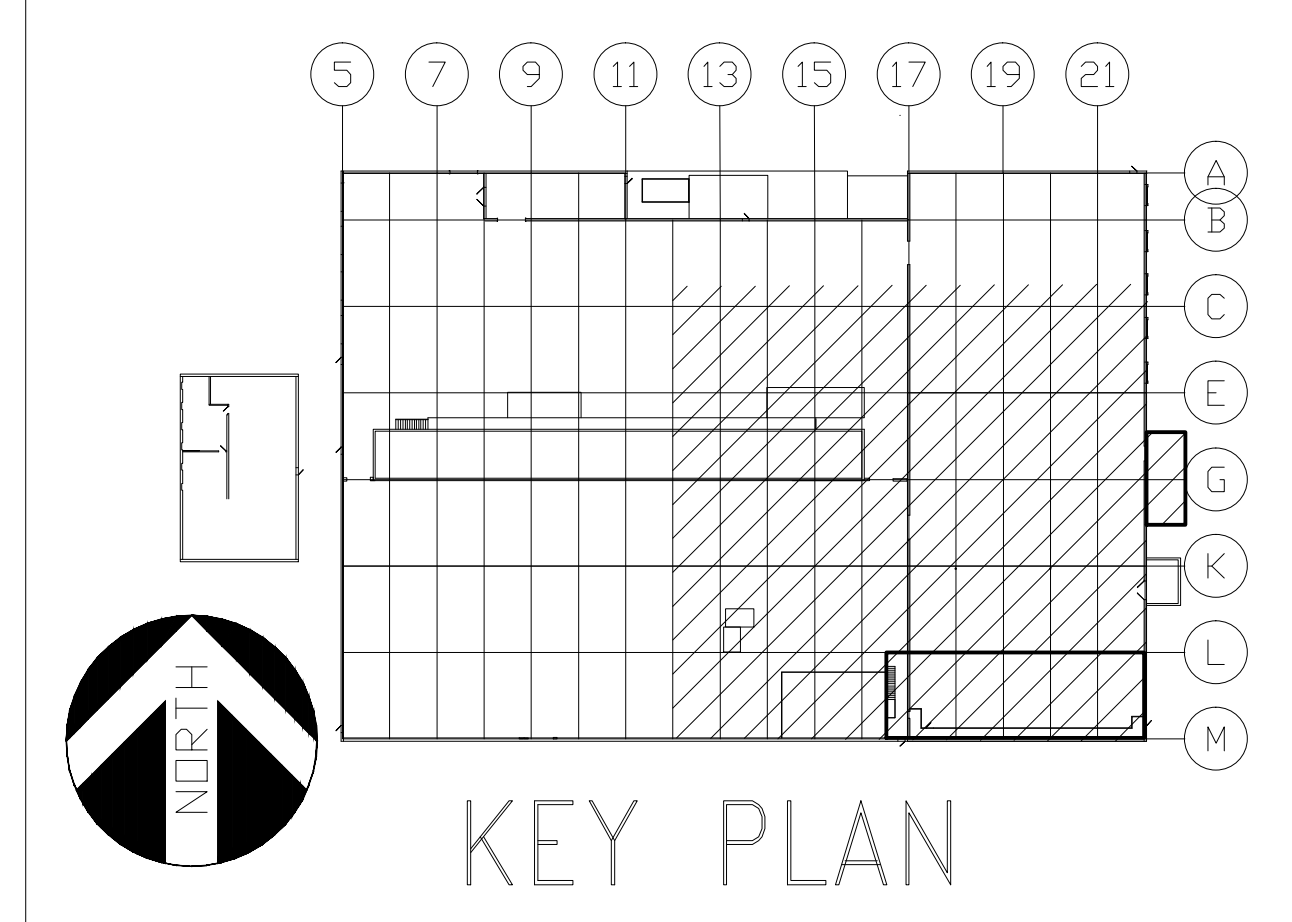
-NO



PRODUCTION FLOOR POWER PLAN

1/8"=1'-0"

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 (S = 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 CIRCUITS DESIGNATION
○	THREE POLE CIRCUITS DESIGNATION
<b>SPECIAL SYSTEMS</b>	
○	COMBINATION COMPUTER/TELEPHONE OUTLET
<b>ABBREVIATIONS</b>	
AC	ABOVE FINISH FLOOR, ROOF, GRADE
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, Ø	CONDUIT, GROUND, PHASE
(N)	NEW
(X)	EXISTING
(RX)	REMOVE EXISTING
(RR)	REMOVE AND RELOCATE
(R)	RELOCATED
(M)	MODIFIED
(F)	FUTURE
NTS	NOT TO SCALE

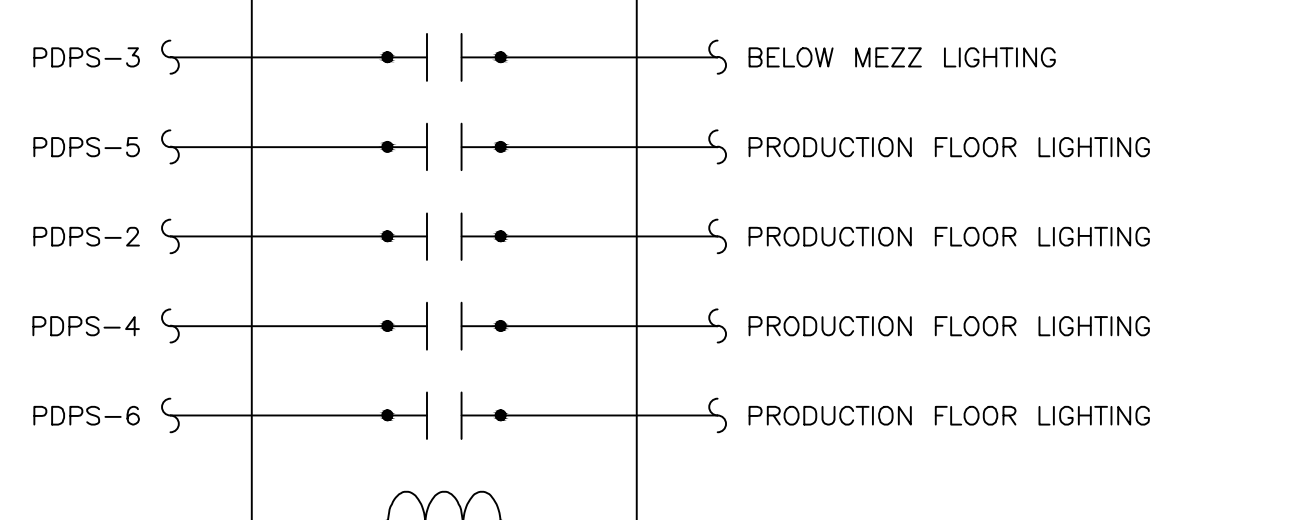


GENERAL NOTES

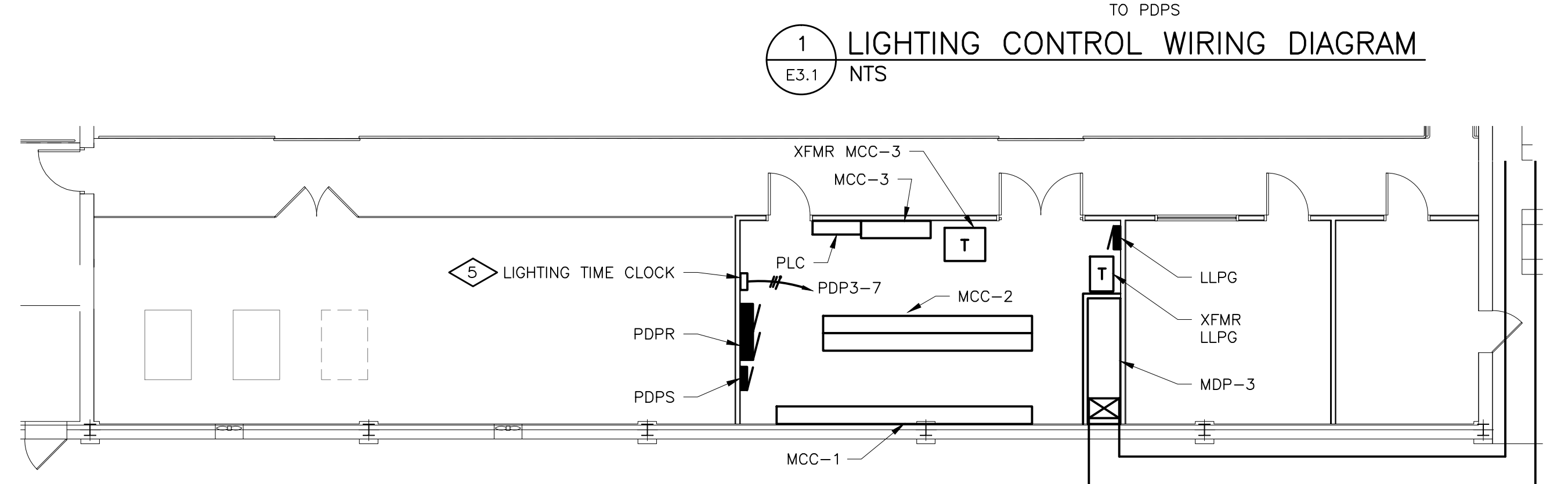
- REFER TO DRAWING E1.1 FOR ELECTRICAL DRAWING PACKAGE GENERAL NOTES.
- CALL ONECALL A MINIMUM OF 48 HOURS, EXCLUDING WEEKENDS, PRIOR TO DIGGING AT 1-888-258-0808 FOR UTILITY MARKING.

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 ENTERTERY SERVICES COMPANY PVC-80 CONDUIT TO ROUTE UP UTILITY POLE TO SERVICE FEEDERS.
- TRANSFORMER PAD SHALL BE IN ACCORDANCE WITH ENTERTERY 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 FANS. BUS DUCT SHALL PENETRATE BUILDING ABOUT MDP-3.
- JUNCTION BOX PROVIDED FOR MOTOR OPERATED DAMPER. MOUNT JUNCTION BOX ON WALL AT SUPPLY FAN. FOR MOTOR OPERATED DAMPER, PROVIDE 2#12#126.3/4" 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#126.3/4" 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.



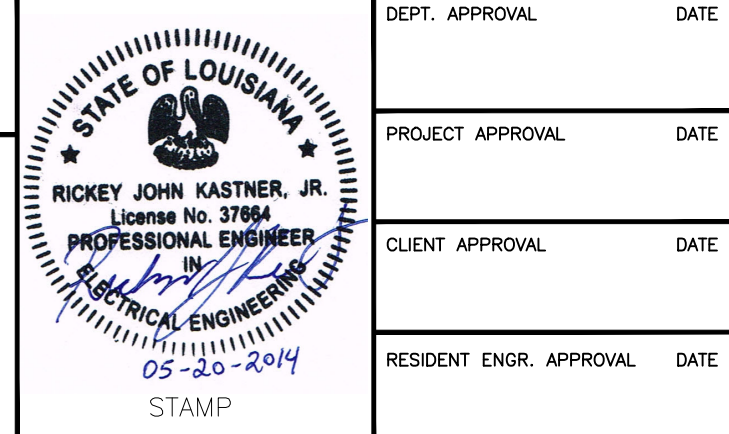
MEZZANINE POWER PLAN

1/8"=1'-0"



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ISSUE DATE: 02/27/14



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

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

DRAWN BY	DATE
CHECKED BY	DATE
MATERIAL	
REV	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**  
**ENLARGED FLOOR PLAN**  
**POWER**

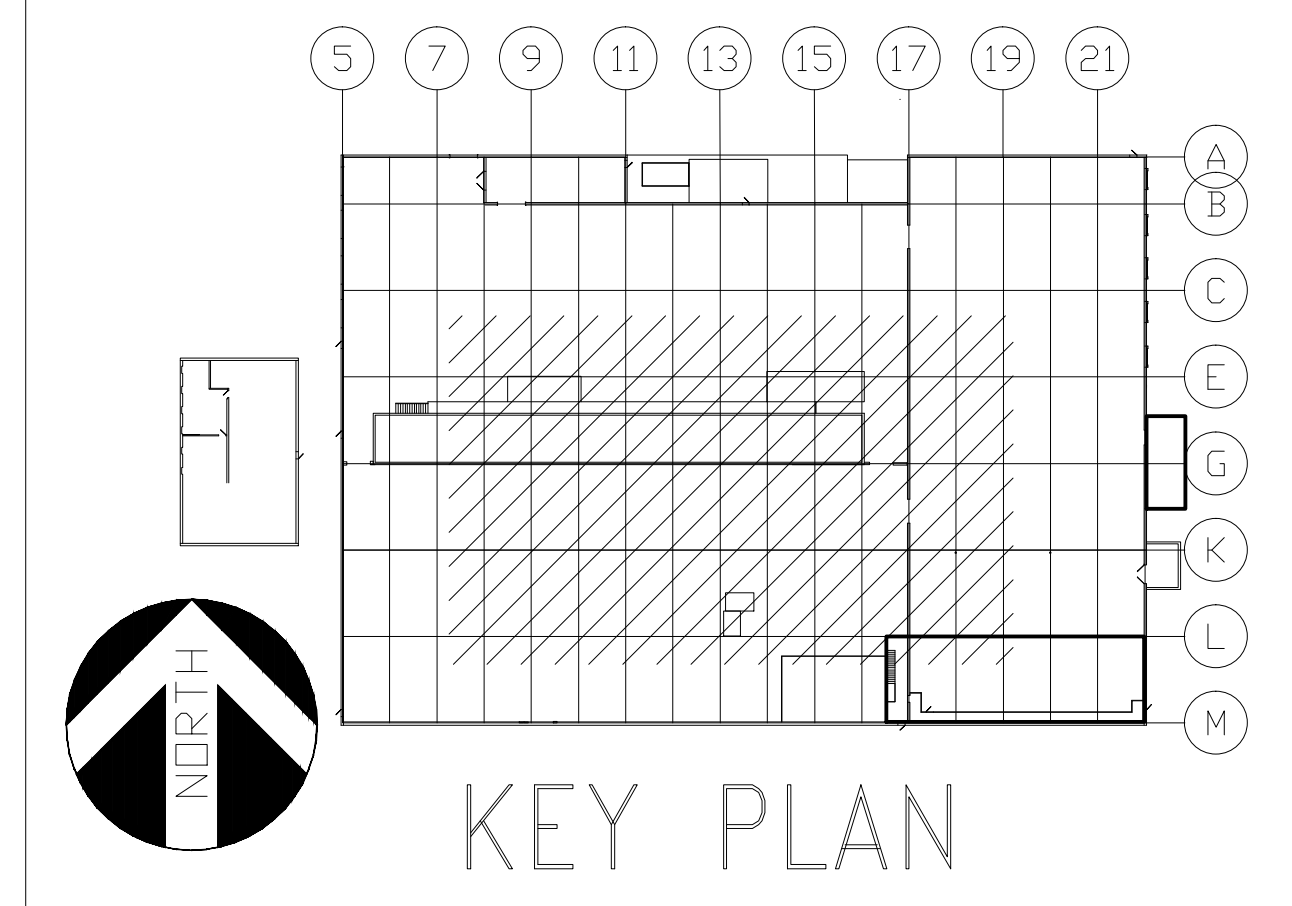
DRAWING NUMBER **E3.1**  
SUPERSEDES

**JMS FOODSERVICE LLC**

ISSUE	DATE
A. ELECTRICAL REVISIONS	
GAP 03/18/14	
B. MCC LAYOUT REVISION	
GAP 05/19/14	
C. ISSUED FOR PERMIT	
GAP 02/20/14	

PHASE 2

-NO

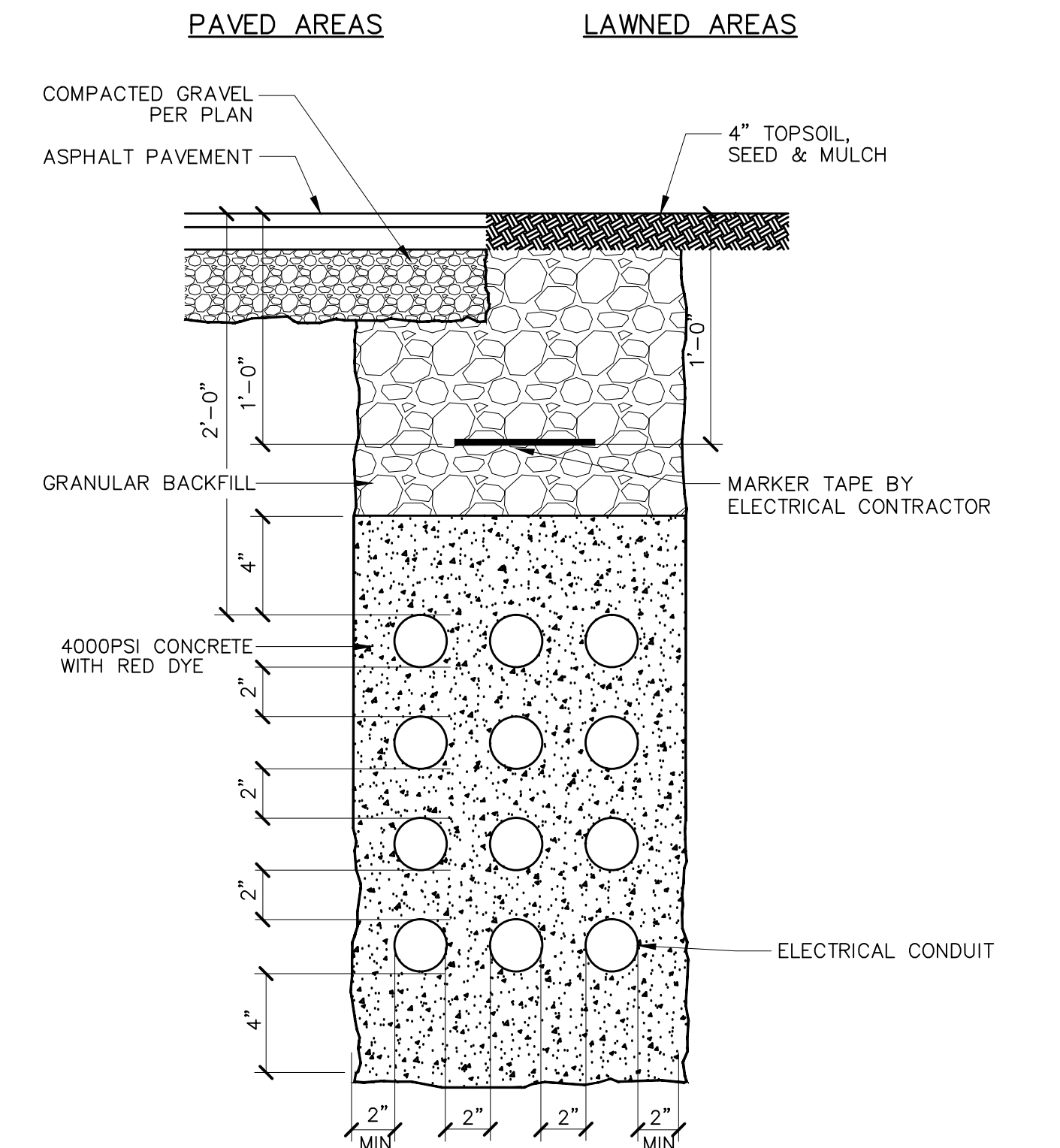
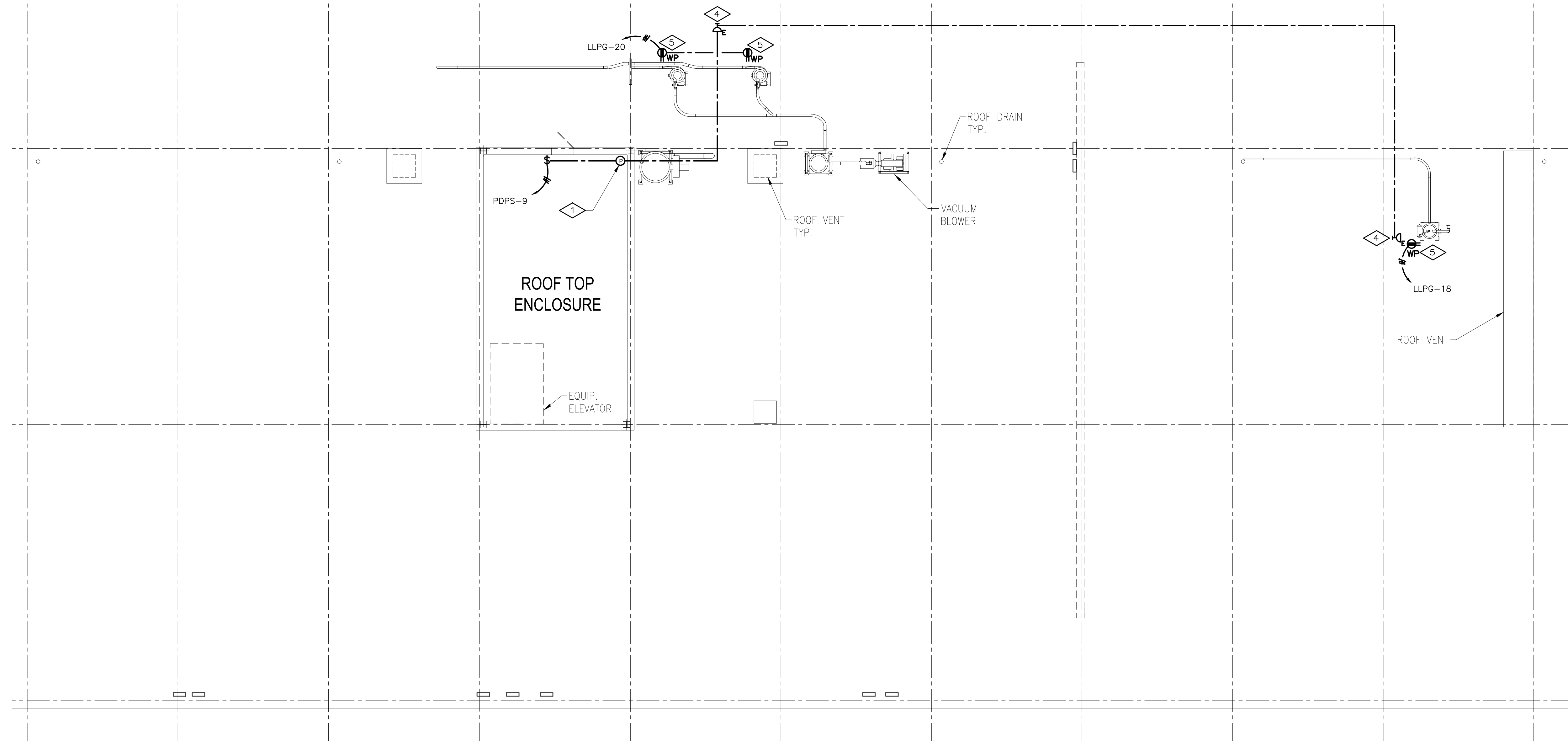


**GENERAL NOTES**

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

**KEY NOTES**

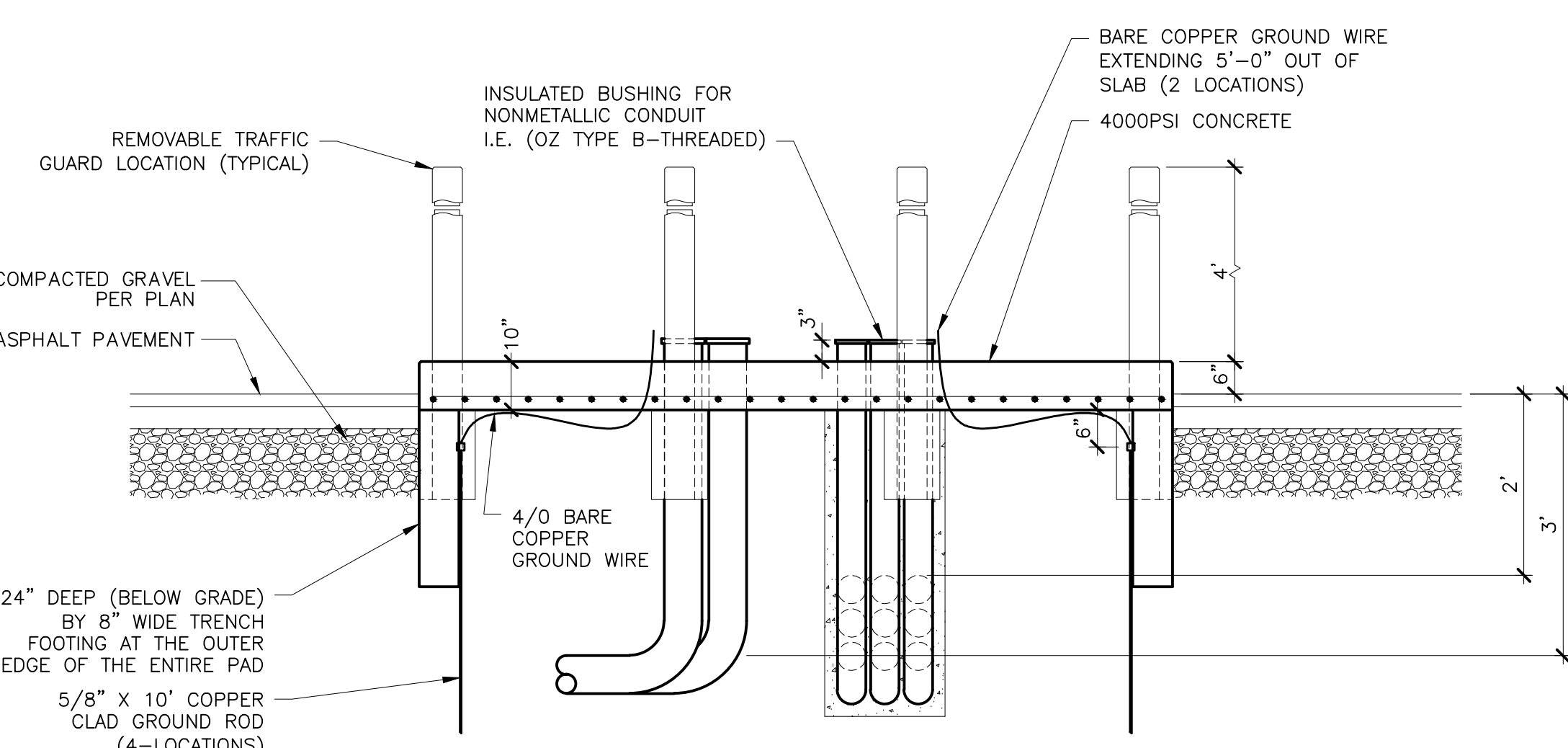
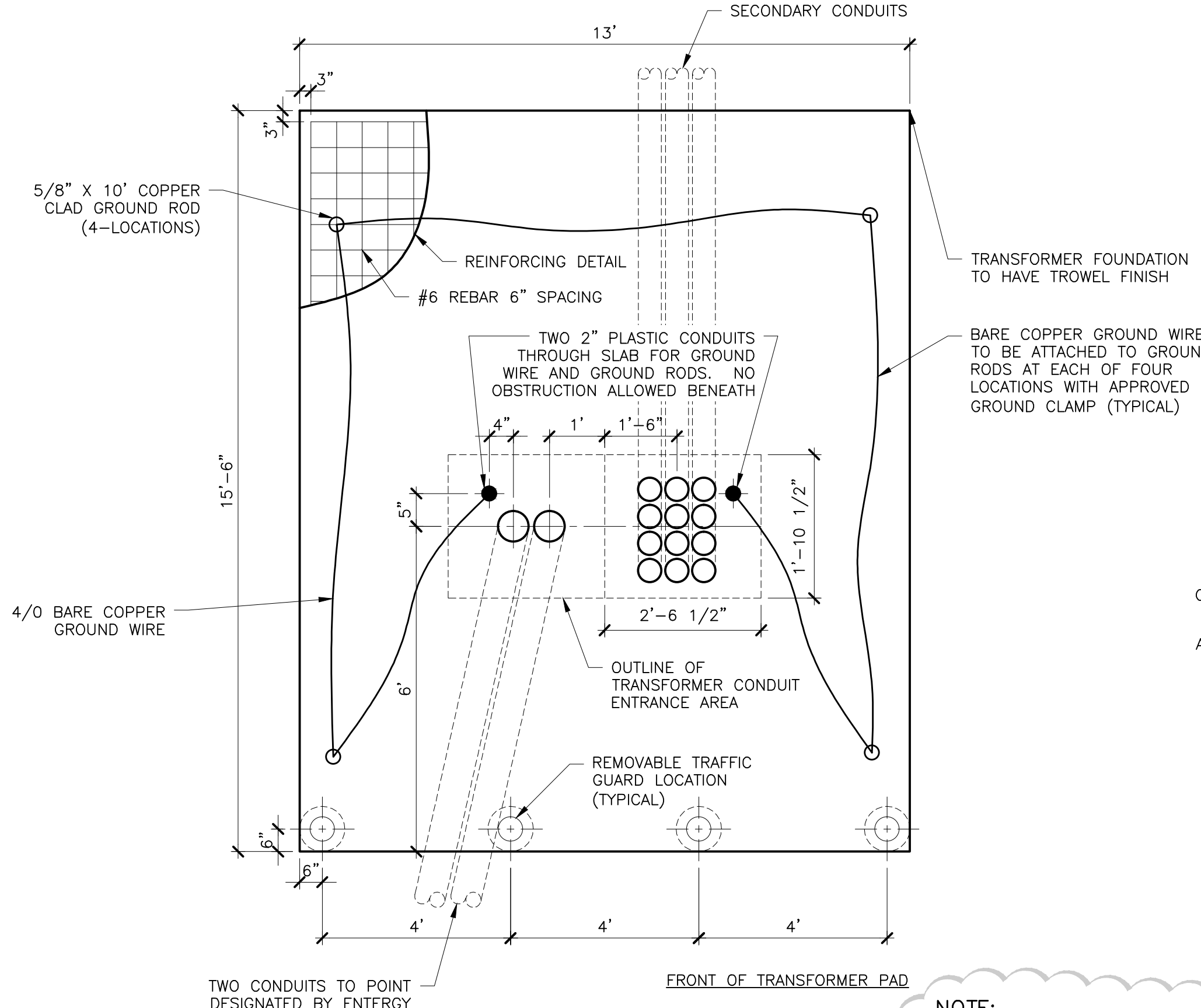
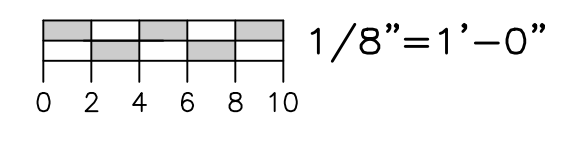
- PHOTOCELL SHALL BE MOUNTED ON EXTERIOR OF ROOF OF EXISTING STRUCTURE, AIM AS REQUIRED.
- RECEPTACLE SHALL BE MOUNTED AT 24" ABOVE PLATFORM LEVEL.
- RECEPTACLE SHALL BE CIRCUITED TO (X) PANEL C; PROVIDE (1) 20A 1P CIRCUIT BREAKER TO MATCH EXISTING CIRCUIT BREAKERS IN (X) PANEL C.
- STANCHION MOUNTED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



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

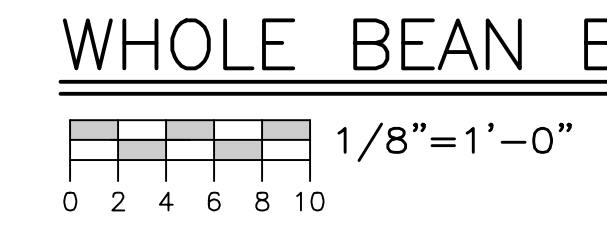
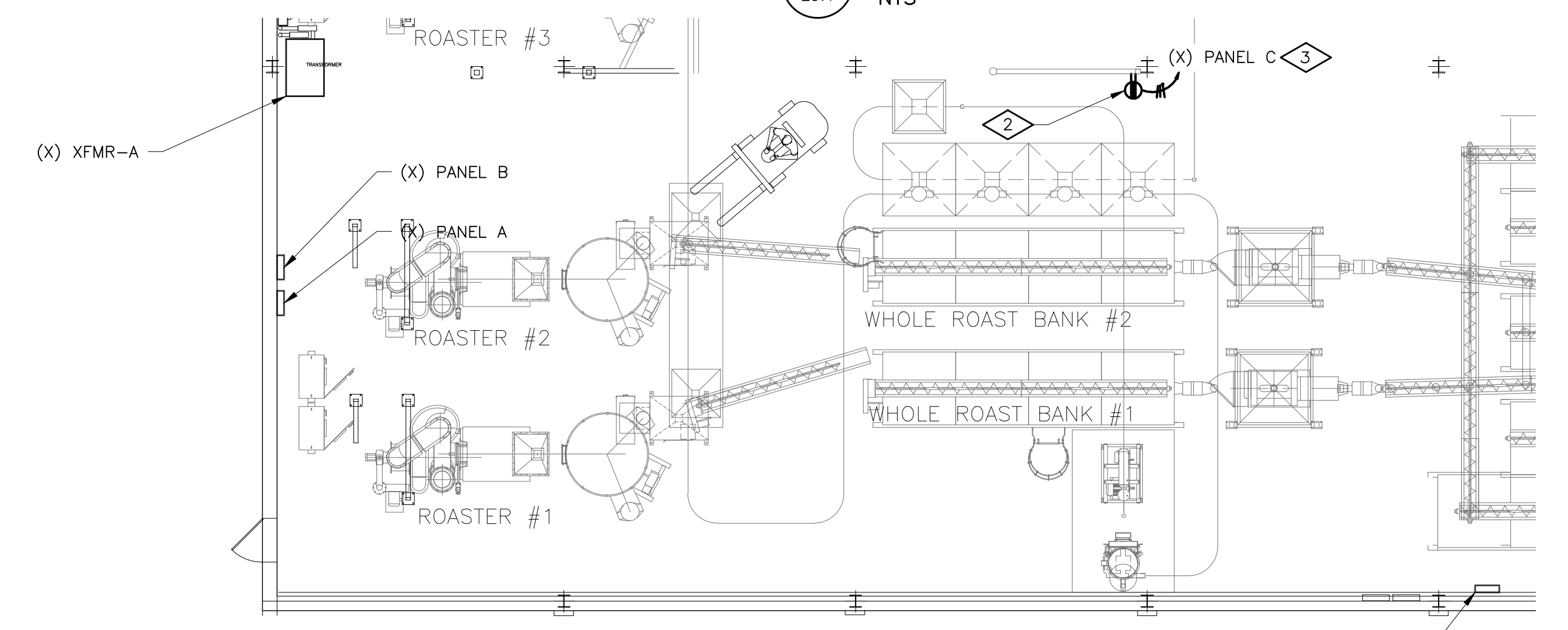
**1 CONCRETE ENCASED SITE CONDUIT DETAIL**

**ROOF POWER PLAN**



**NOTE:**  
1. CONTRACTOR SHALL CONTACT ENTERGY PRIOR TO CONSTRUCTION OF THE UTILITY TRANSFORMER PAD TO VERIFY LOCATION, SIZE, GROUNDING AND CONDUIT REQUIREMENTS.

**2 UTILITY TRANSFORMER PAD DETAIL**

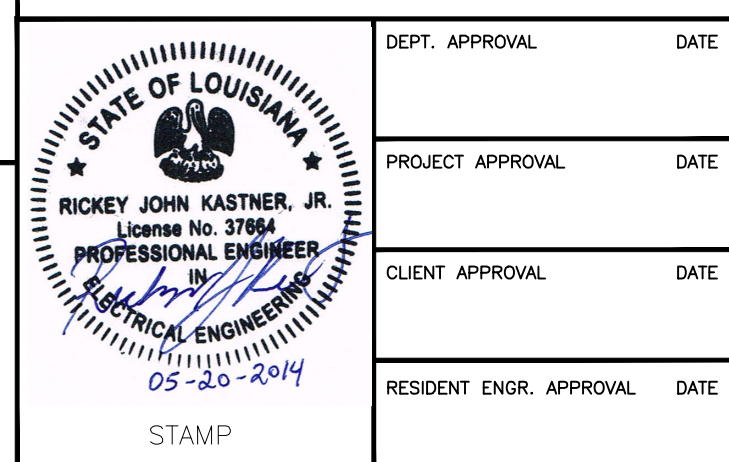


PHASE 2



**STATEMENT OF SUPERVISION**  
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5 CHENELL DRIVE, BOX 3, CONCORD, NEW HAMPSHIRE 03301  
PHONE: (603) 225-0010 FAX: (603) 225-0761

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DEL	01/07/2014	
CHECKED BY	DATE	LEVEL
GAP	01/07/2014	TECH
MATERIAL		PRESENTATION
		PLANT
		PRD. AREA
		DESCRIPTOR
		BLDG. NO.
SCALE	AS NOTED	

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

DRAWING NUMBER **E3.2**  
SUPERSEDES

ISSUE	DATE
A. ELECTRICAL REVISIONS	
GAP	03/18/14
B. MCC LAYOUT REVISION	
GAP	05/19/14
C. ISSUED FOR PERMIT	
GAP	02/20/14

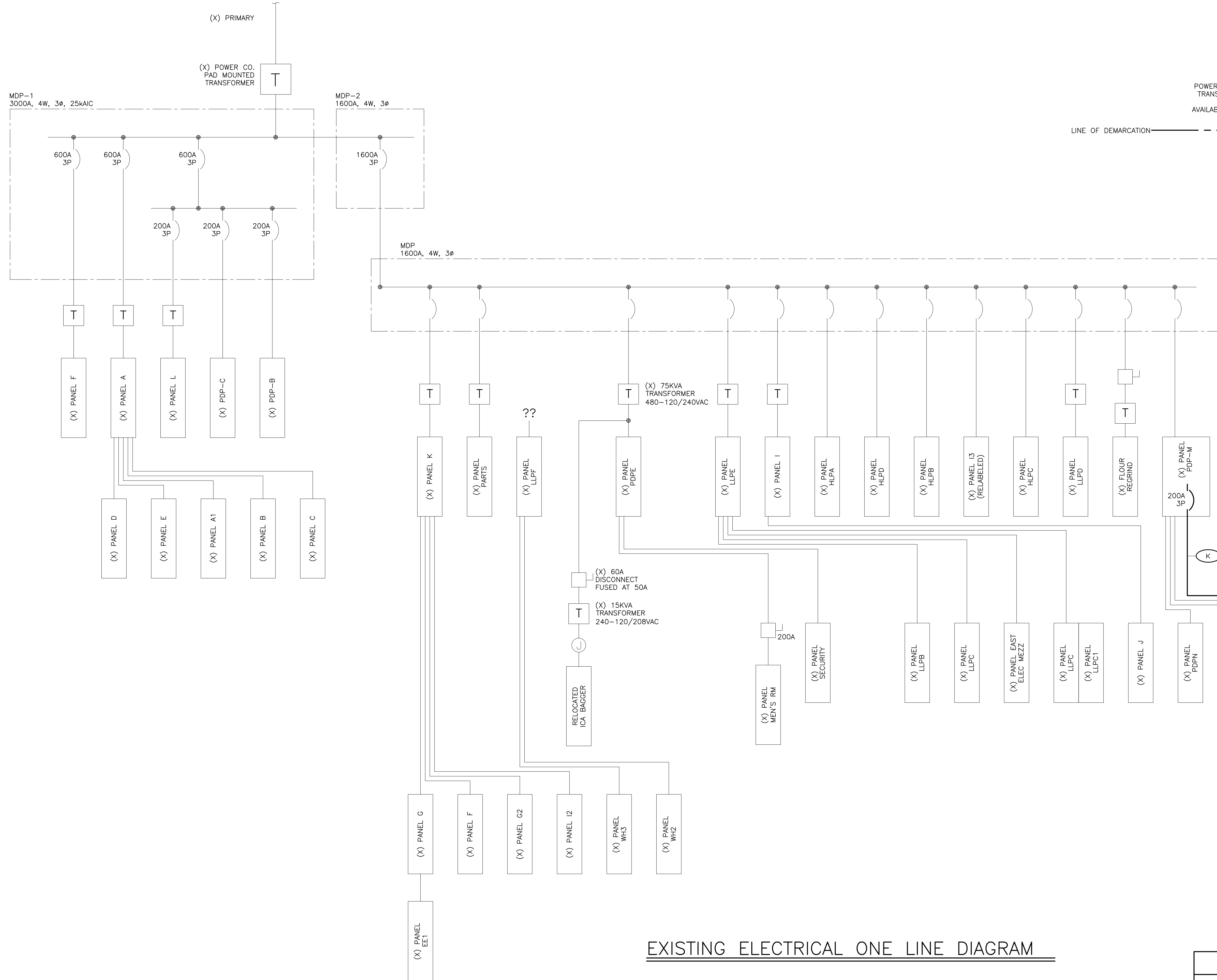
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GENERAL NOTES

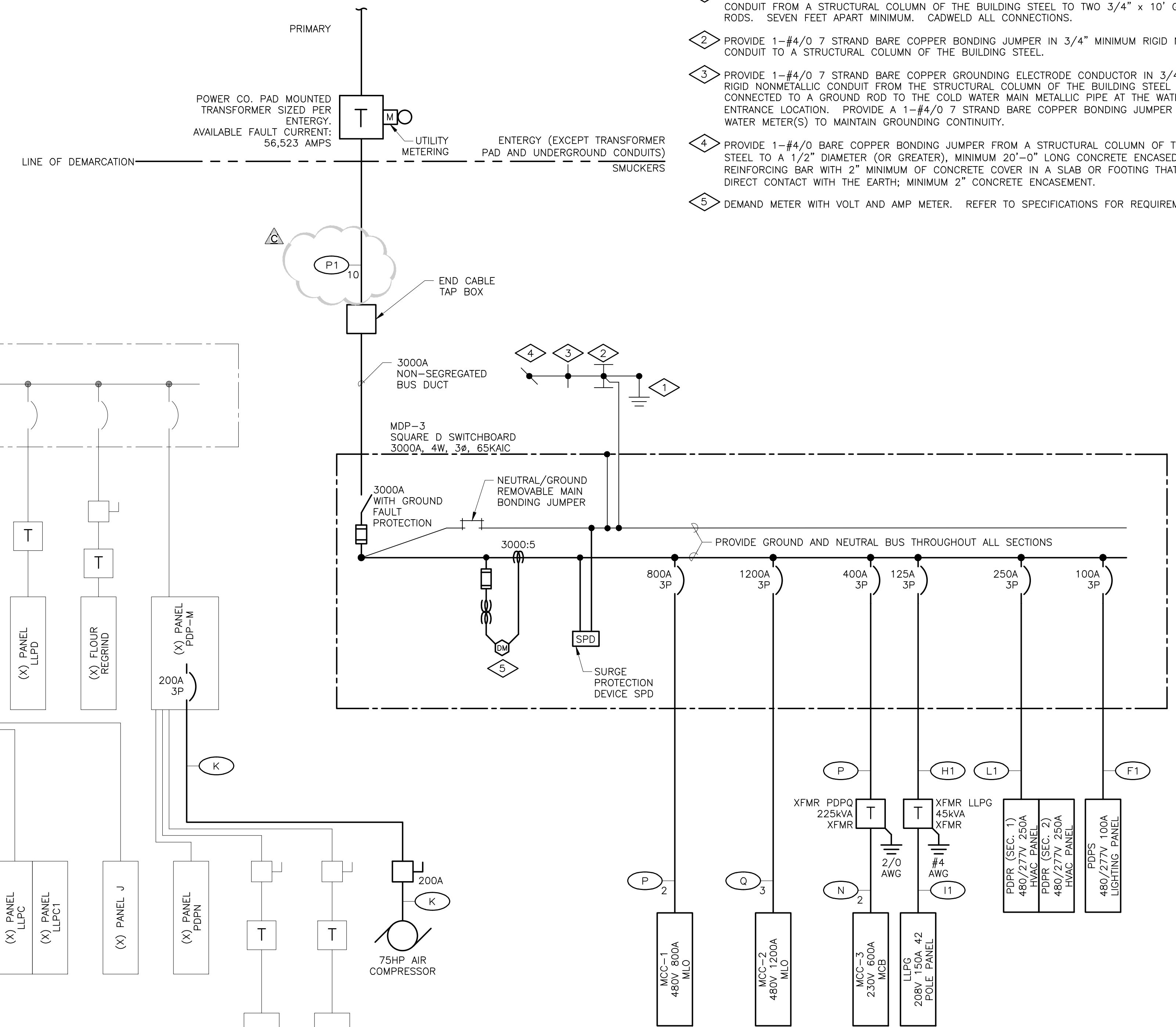
- 1. REFER TO DRAWING E1.1 FOR ELECTRICAL DRAWING PACKAGE GENERAL NOTES.

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.



EXISTING ELECTRICAL ONE LINE DIAGRAM



NEW ELECTRICAL ONE LINE DIAGRAM

**ELECTRICAL LEGEND**

SYMBOL	DESCRIPTION
[Symbol]	ONE-LINE DIAGRAM
[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"	1	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	1-1/2"	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	UNDERSLAB ROUTING			

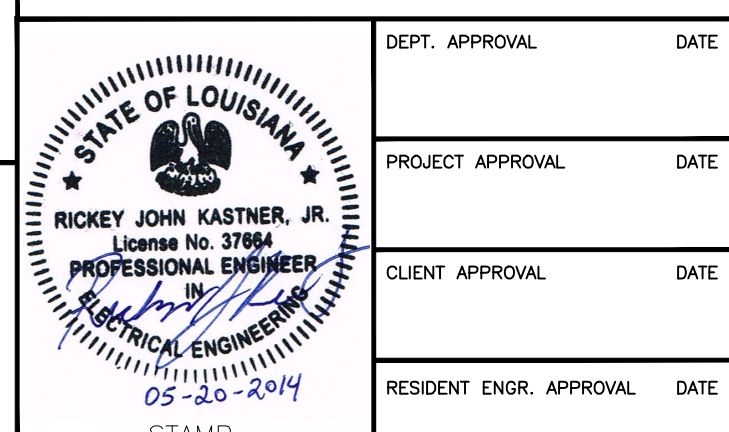
**NOTES:**

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



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ISSUE DATE: 02/27/14



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

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	COMMISSION	
		PROJECT #	14015
		REV	NONE
		SCALE	NONE

**PROJECT ORANGE**  
**ELECTRICAL ONE LINE DIAGRAM**  
**JMS FOODSERVICE LLC**

DRAWING NUMBER: **E5.1**  
 SUPERSEDES: \_\_\_\_\_

ISSUE	DATE
A. ELECTRICAL REVISIONS	
B. MCC LAYOUT REVISION	
C. ISSUED FOR PERMIT	

PHASE 2



MOTOR CONTROL CENTER "MCC-3"										
TYPE : ALLEN BRADLEY		VOLTAGE : 230V, 3Ø, 3W		MAINS : 600A		ENCLOSURE : NEMA 1		LUGS SIZE : REFER TO ONE LINE		
DIMENSIONS : SEE PLANS		UNIT WIRING: NEMA CLASS 1, TYPE B		A.I.C. RATING : 65,000		ENCLOSURE : NEMA 1		LUGS SIZE : REFER TO ONE LINE		
ENCLOSURE : NEMA 1										
INCOMING FEED: TOP										
LINE NUMBER	DESCRIPTION	LOAD	STARTER	CONTACTOR	CONTROLS				KEY NOTES	
					NUMBER OF MOTORS	FULL LOAD AMPS	SIZE	TYPE		MAGNETIC ONLY BREAKER
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

MCC-3			
SECTION #1	SECTION #2	SECTION #3	SECTION #4
		VC-30290	600A MAIN CIRCUIT BREAKER
	VC-30250	VC-30260	VC-30310
	VC-30440	VC-30280	VC-30350
	VC-30300	VC-30330	VC-30340
	VC-30370	VC-30360	VC-30270

3 MCC-3 ELEVATION  
E5.3 NTS

MOTOR CONTROL CENTER "MCC-2"										
TYPE : ALLEN BRADLEY		VOLTAGE : 480V, 3Ø, 3W		MAINS : 1200A		ENCLOSURE : NEMA 1		LUGS SIZE : REFER TO ONE LINE		
DIMENSIONS : SEE PLANS		UNIT WIRING: NEMA CLASS 1, TYPE B		A.I.C. RATING : 65,000		ENCLOSURE : NEMA 1		LUGS SIZE : REFER TO ONE LINE		
ENCLOSURE : NEMA 1										
INCOMING FEED: TOP										
LINE NUMBER	DESCRIPTION	LOAD	STARTER	CONTACTOR	CONTROLS				KEY NOTES	
					NUMBER OF MOTORS	FULL LOAD AMPS	SIZE	TYPE		MAGNETIC ONLY BREAKER
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

MCC-2							
SECTION #1	SECTION #2	SECTION #3	SECTION #4	SECTION #5	SECTION #6	SECTION #7	SECTION #8
	CD-20710	CD-20200	CD-20060	RST-10250	RST-10090	MAIN LUG	
	CD-20690	CD-20280	CD-20040				
	CD-20270	CD-20370	CD-20080	CD-20400			
	CD-20150	CD-20370	CD-20080	RST-10260			RST-10080
	CP2						
	PLT-70020	CP1	CD-20270	CD-20100			RST-10070
	PLT-70030			CD-20650	CD-20380		
	PLT-70010	CD-20320	CD-20290	CD-20120			
	VC-30040						
	VC-30020	CD-20330					
	CD-20720						

2 MCC-2 ELEVATION  
E5.3 NTS

MOTOR CONTROL CENTER "MCC-1"										
TYPE : ALLEN BRADLEY		VOLTAGE : 480V, 3Ø, 3W		MAINS : 800A		ENCLOSURE : NEMA 1		LUGS SIZE : REFER TO ONE LINE		
DIMENSIONS : SEE PLANS		UNIT WIRING: NEMA CLASS 1, TYPE B		A.I.C. RATING : 65,000		ENCLOSURE : NEMA 1		LUGS SIZE : REFER TO ONE LINE		
ENCLOSURE : NEMA 1										
INCOMING FEED: TOP										
LINE NUMBER	DESCRIPTION	LOAD	STARTER	CONTACTOR	CONTROLS				KEY NOTES	
					NUMBER OF MOTORS	FULL LOAD AMPS	SIZE	TYPE		MAGNETIC ONLY BREAKER
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 / DEPALLETTIZER /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									