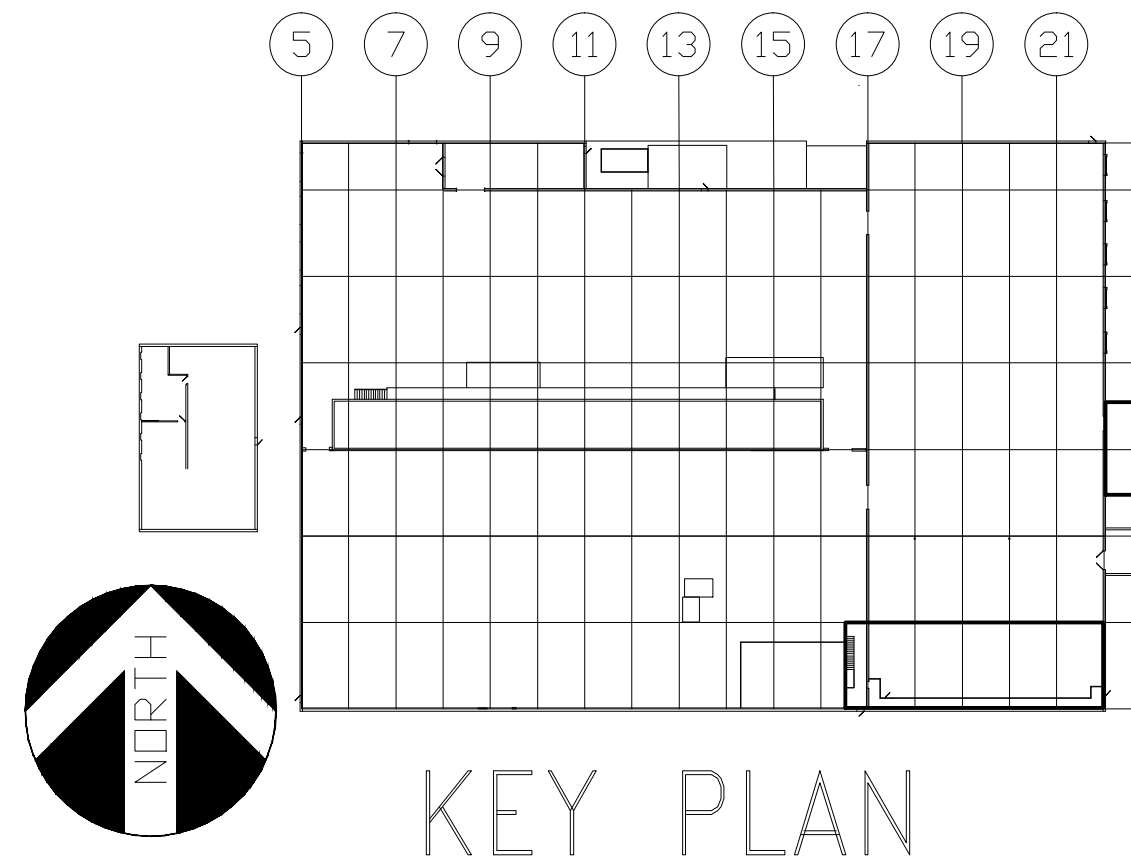


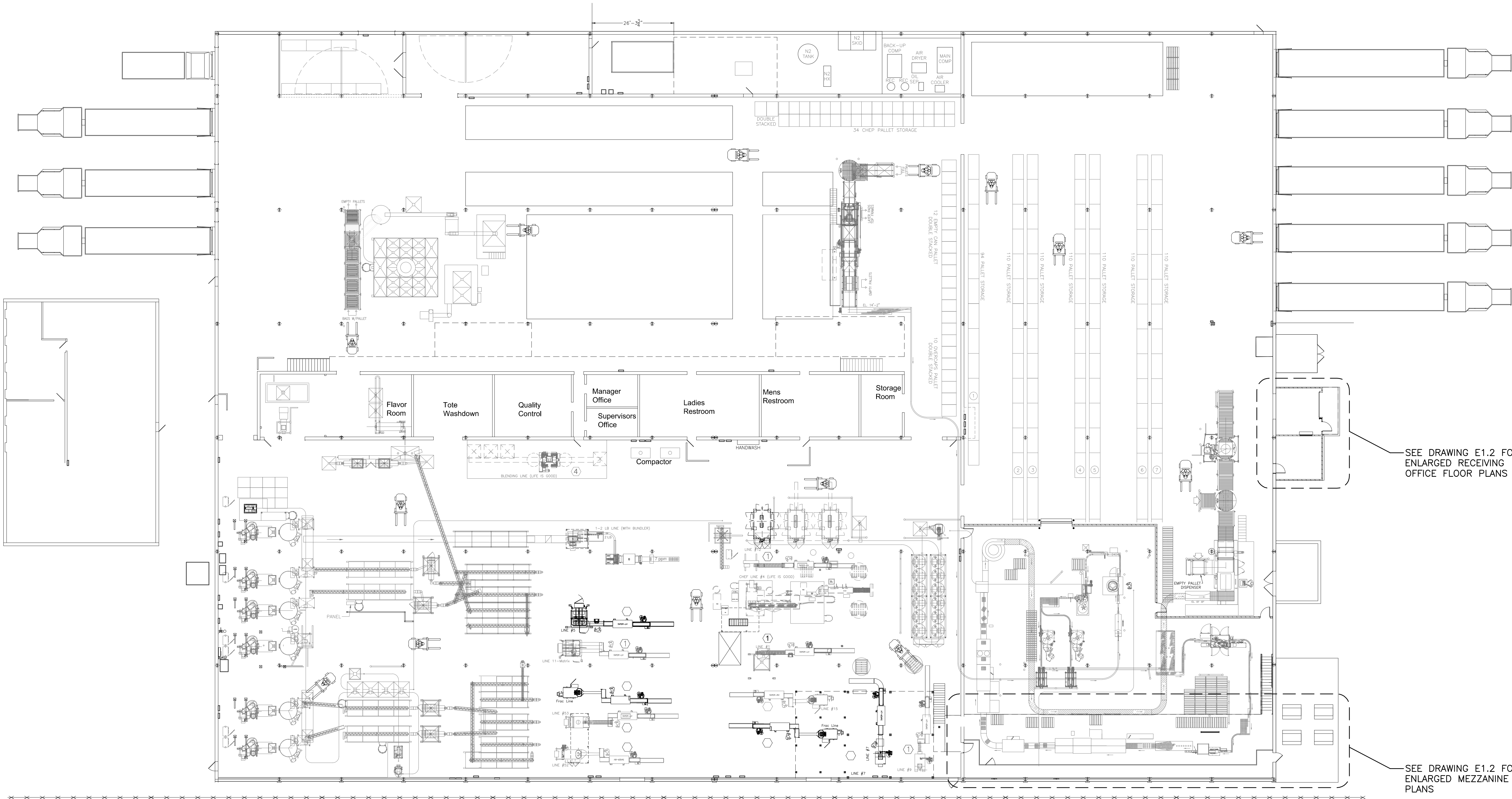
-NO



KEY PLAN

GENERAL NOTES

1. 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.
2. 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/VAPORTIGHT PROTECTION. WHERE CONDUIT ENTERS THE BUILDING, UTILIZE SEALING FITTINGS WITH MOISTURE RESISTANT FIRE STOP PUTTY.
 - 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.
3. 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.
4. 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.
5. MINIMUM CONDUIT SIZE SHALL BE 3/4" CONDUIT IN ALL AREAS.
6. MINIMUM WIRE SIZE SHALL BE #12 AWG COPPER UNLESS NOTED OTHERWISE. REFER TO SPECIFICATIONS 16050 FOR CONDUCTOR INSULATION RATINGS.
7. PROVIDE AN INSULATED GROUND WIRE IN ALL CONDUIT, CABLING AND TUBING.
8. ALL CIRCUITS SHALL BE CONNECTED TO A 20A CIRCUIT BREAKER IN THE PANEL DESIGNATED ON PLAN, UNLESS OTHERWISE INDICATED.
9. 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.
10. MOUNT RECEPTACLES AT +46" ABOVE FINISH FLOOR THROUGHOUT THE INDUSTRIAL AREAS AND AT +18" ABOVE FINISH FLOOR IN THE OFFICE AREAS.
11. RECEPTACLE OUTLETS INDICATED BACK TO BACK ON RECESSED WALLS SHALL BE LOCATED OFFSET, IN SEPARATE STUD BAYS, WHERE POSSIBLE, TO MINIMIZE SOUND TRANSMISSION.
12. VERIFY EXACT LOCATION OF FLOOR BOXES, RECEPTACLES AND TELEPHONE/DATA OUTLETS WITH FURNITURE LAYOUTS PRIOR TO INSTALLATION.
13. 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.
14. 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.
15. 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.
16. 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.
17. COMBINING CURRENT-CARRYING CONDUCTORS IN ONE CONDUIT (FOR POWER WIRING ONLY).
 - d. DO NOT COMBINE ANY MORE THAN 9#12 OR 6#10 CURRENT-CARRYING CONDUCTORS IN THE SAME CONDUIT, UNLESS NOTED OTHERWISE.
 - e. PROVIDE 3/4" CONDUIT FOR THE 9#12 AND 6#10 IN THE OFFICE AREAS.
 - f. 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.
18. 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

1/16"=1'-0"

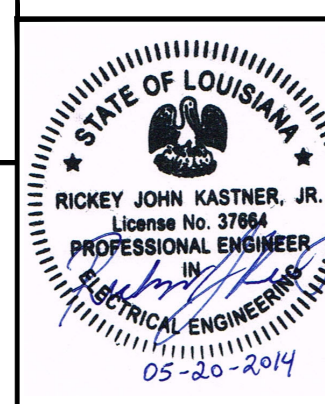
ELECTRICAL DRAWING LIST

- 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



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

DRAWN BY	DATE
CHECKED BY	DATE
GAP	01/07/2014
MATERIAL	
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.

PROJECT ORANGE
OVERALL FLOOR PLAN
ELECTRICAL
JMS FOODSERVICE LLC

DRAWING NUMBER
E1.1
SUPERSEDES

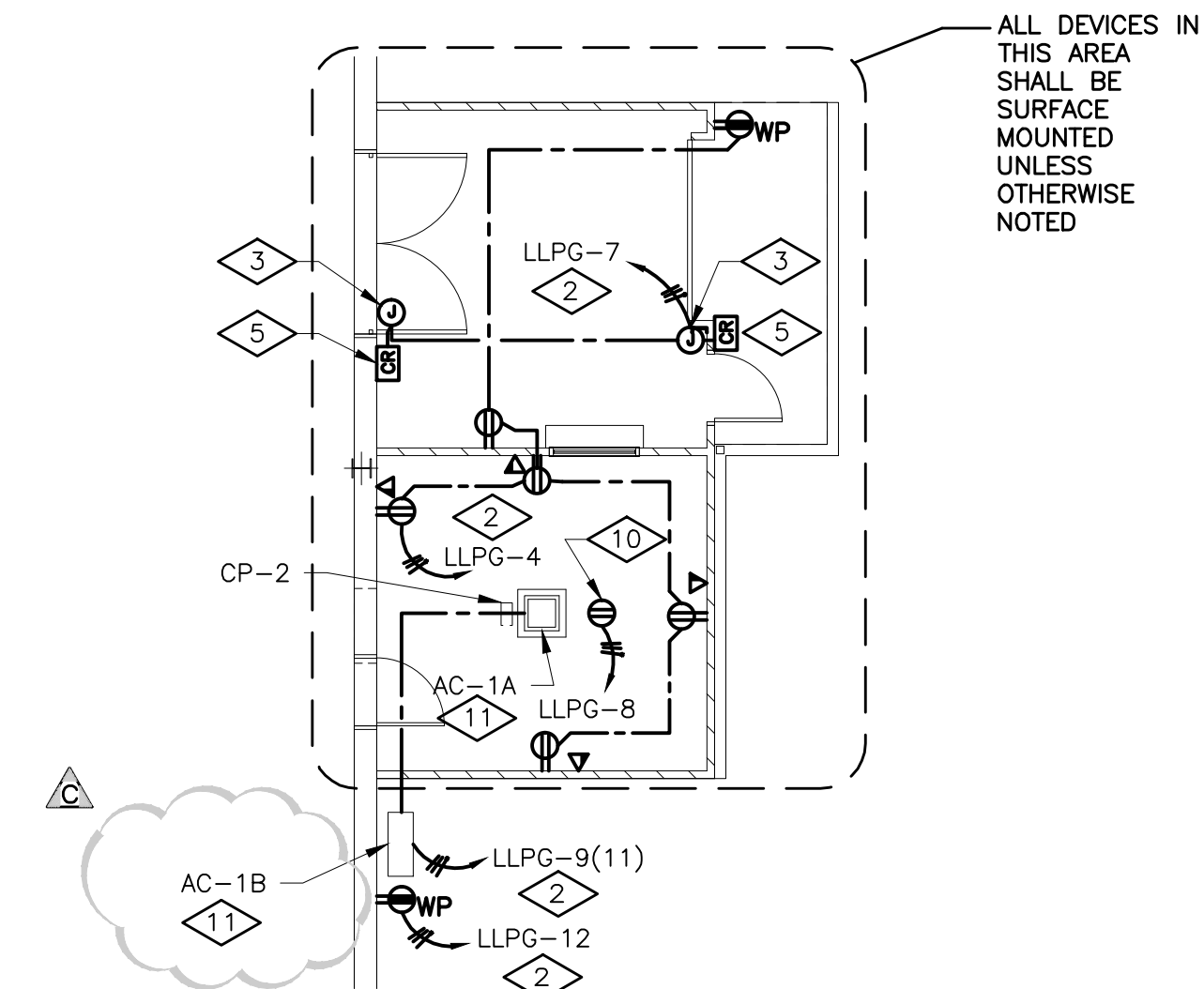
PHASE 1

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

-NO

RECEIVING OFFICE LIGHTING PLAN

1/8"=1'-0"

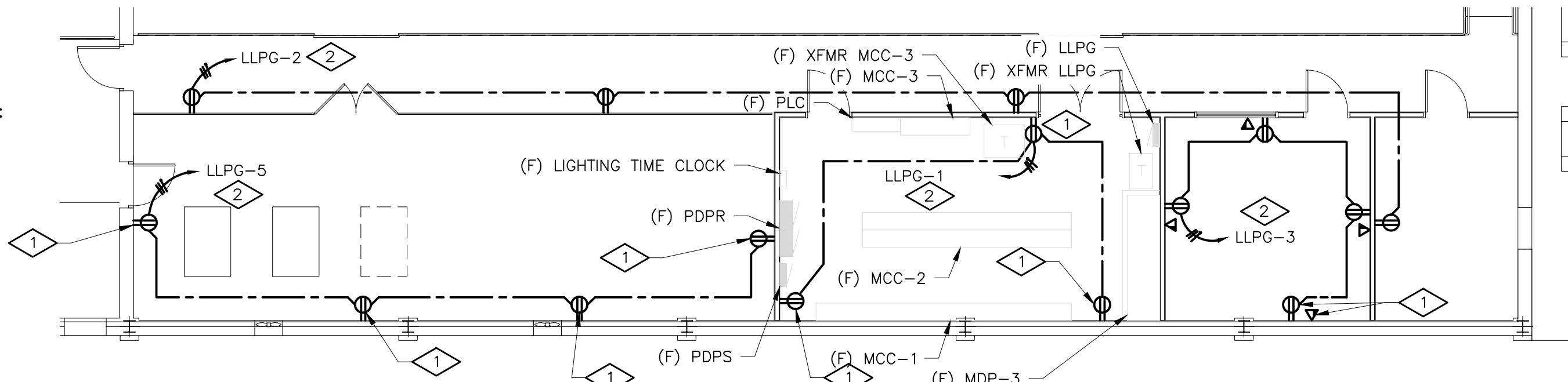


RECEIVING OFFICE POWER PLAN

1/8"=1'-0"

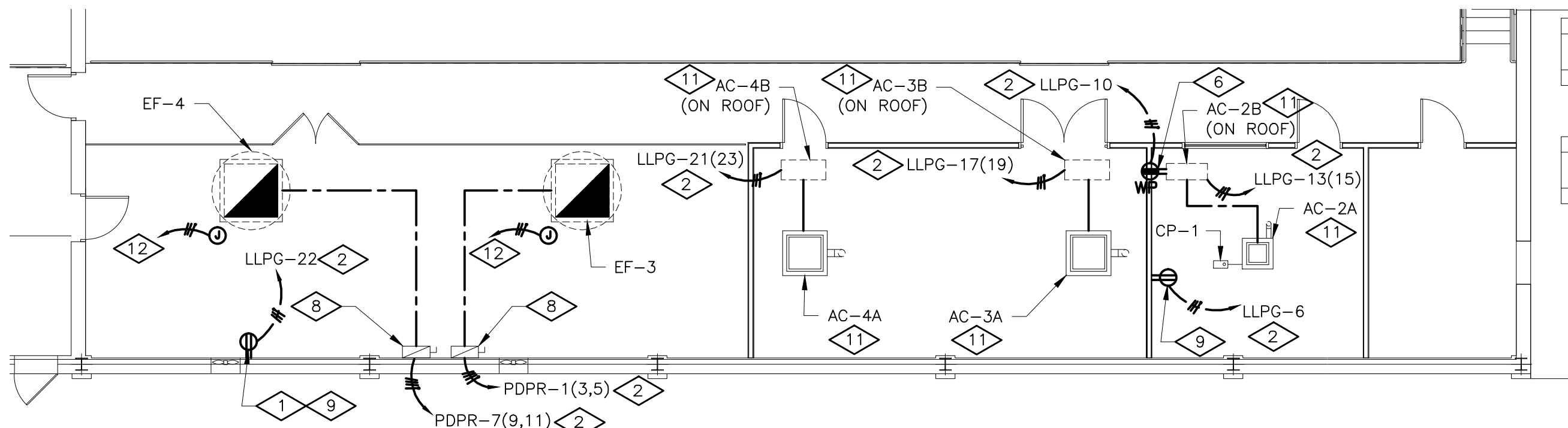
MEZZANINE LIGHTING PLAN

1/8"=1'-0"



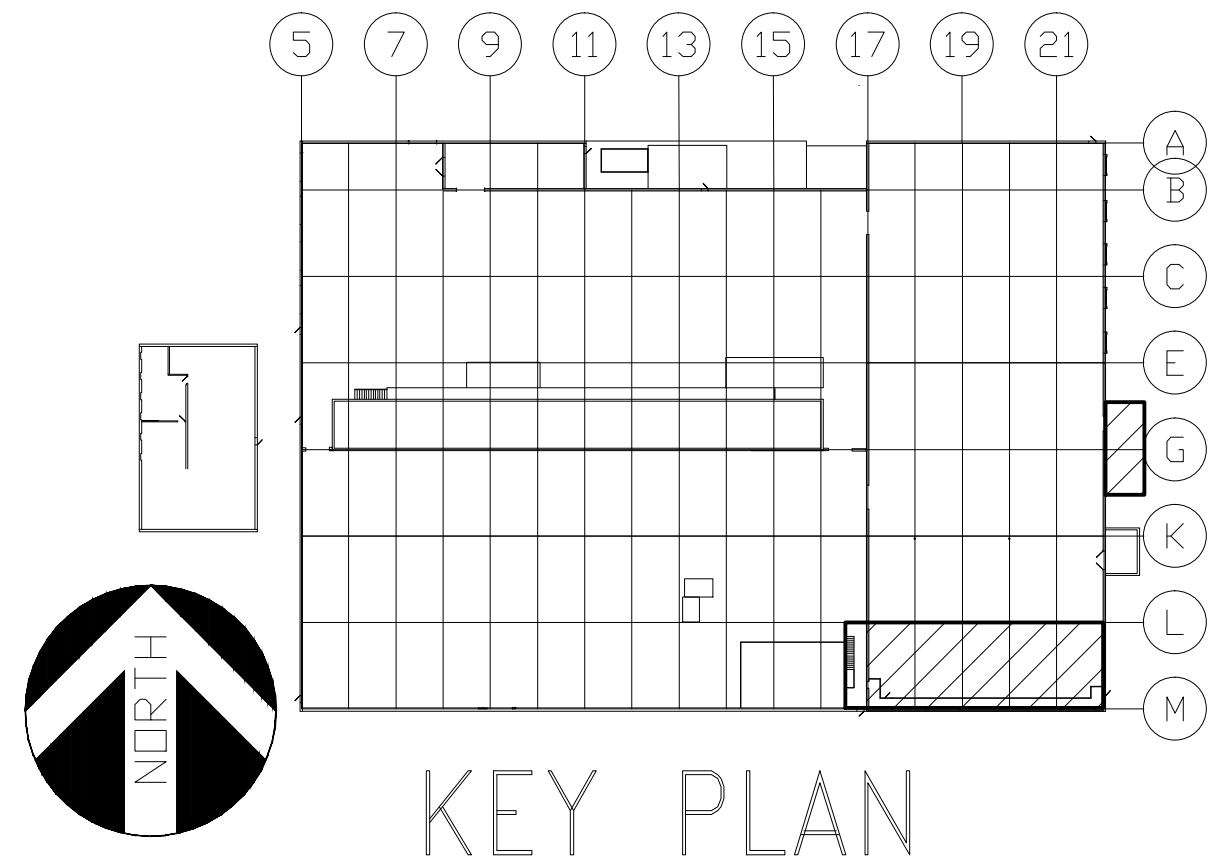
MEZZANINE POWER PLAN

1/8"=1'-0"



MEZZANINE MECHANICAL POWER PLAN

1/8"=1'-0"



ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
LIGHTING		SPECIAL SYSTEMS	
○ ^A	LETTER BY THE LUMINAIRE INDICATES LUMINAIRE TYPE AND MOUNTING	▽	COMBINATION COMPUTER/TELEPHONE OUTLET CONDUIT TO ACCESSIBLE AREA
○	CEILING LUMINAIRE OUTLET	ABBREVIATIONS	
□	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, Ø	CONDUIT, GROUND, PHASE
○	SINGLE POLE SWITCH (ø = 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
POWER		(F)	FUTURE
○	SINGLE RECEPTACLE	NTS	NOT TO SCALE
○	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)		
○	SINGLE POLE CIRCUITS DESIGNATION		
○	TWO POLE CIRCUIT DESIGNATION		
○	THREE POLE CIRCUIT DESIGNATION		

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.

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	2SP 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					
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.					



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

STATE OF LOUISIANA
RICHIE JOHN KASTNER, JR.
Professional Engineer
No. 37894
Exp. 12/31/15

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

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

DRAWN BY DATE
DEL 01/07/2014
CHECKED BY DATE
GAP 01/07/2014
MATERIAL
SUB ASSY. NO.
QUANTITY

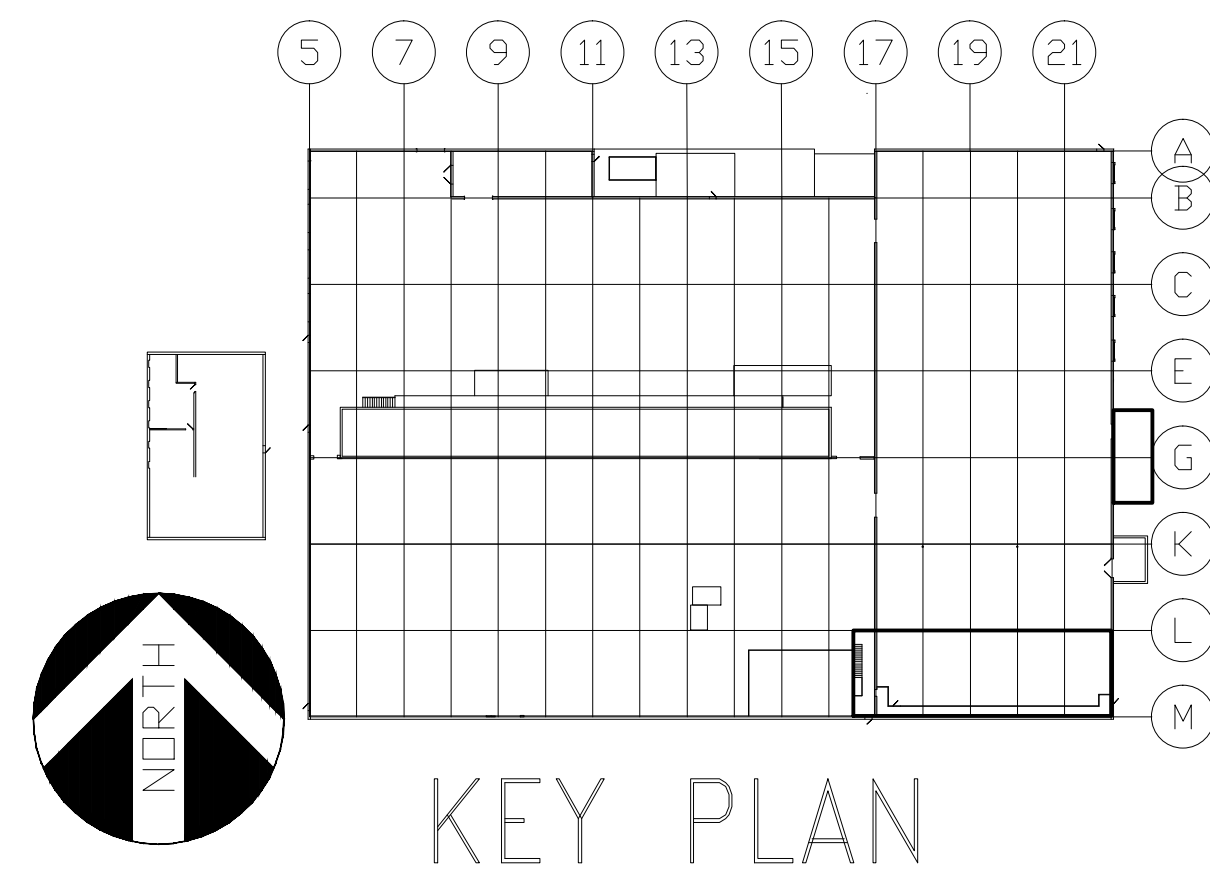
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01/07/2014
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01/07/2014
DATE
01/07/2014
DATE
01/07/2014

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PROJECT ORANGE
ENLARGED FLOOR PLAN
ELECTRICAL
JMS FOODSERVICE LLC

DRAWING NUMBER
E1.2
SUPERSEDES

-NO

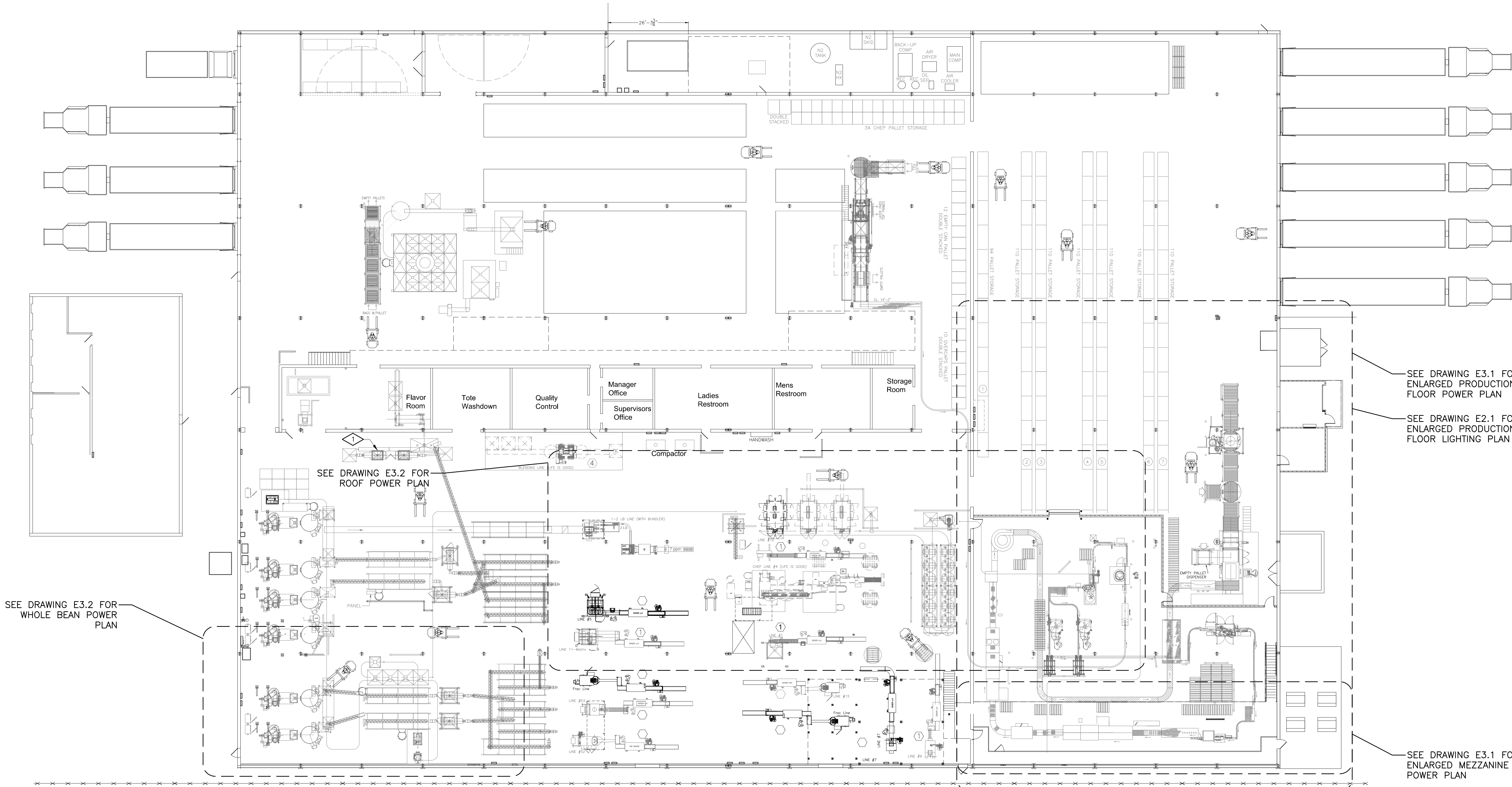


GENERAL NOTES

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 PDPB (WEST WALL BY ROASTER #6) CIRCUIT #8 SHALL BE CHANGED TO A 60A 3P CIRCUIT BREAKER. THE EXISTING FEEDERS ARE #8 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

1/16"=1'-0"
0 10 20

SEE DRAWING E3.1 FOR ENLARGED PRODUCTION FLOOR POWER PLAN

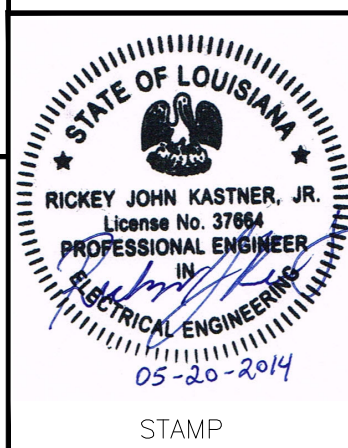
SEE DRAWING E2.1 FOR ENLARGED PRODUCTION FLOOR LIGHTING PLAN

SEE DRAWING E3.1 FOR ENLARGED MEZZANINE POWER PLAN



STATEMENT OF SUPERVISION
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ISSUE DATE: 02/27/14



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

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

DRAWN BY	DATE
CHECKED BY	DATE
GAP	01/07/2014
MATERIAL	
REV	
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.

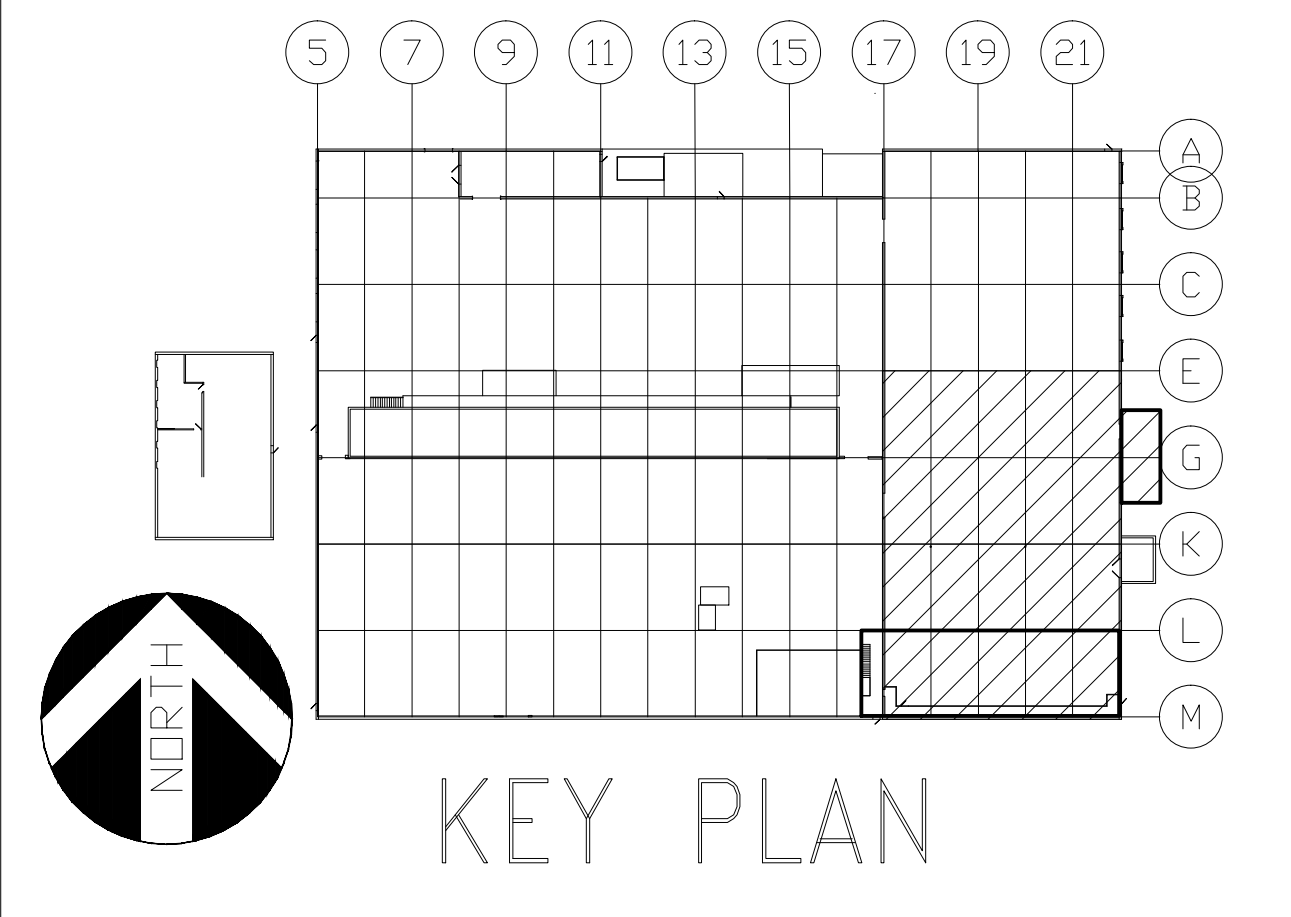
PROJECT ORANGE
OVERALL FLOOR PLAN
ELECTRICAL
JMS FOODSERVICE LLC

DRAWING NUMBER
E1.3
SUPERSEDES

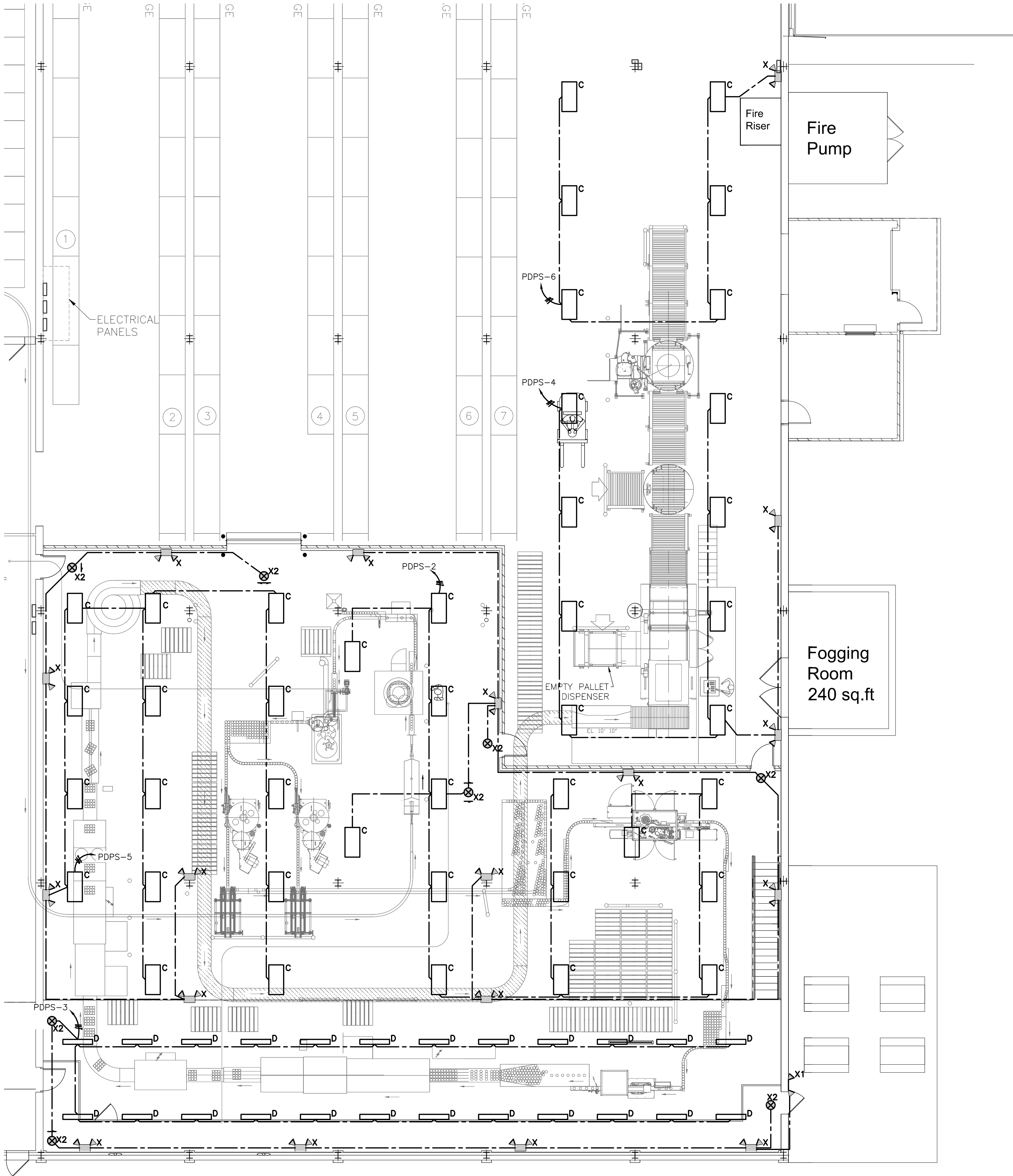
PHASE 2

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

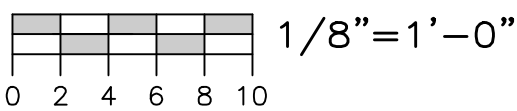
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- GENERAL NOTES**
1. REFER TO DRAWING E1.1 FOR ELECTRICAL DRAWING PACKAGE GENERAL NOTES.
 2. PRODUCTION FLOOR LIGHTING TO BE CONTROLLED BY LIGHTING TIME CLOCK LOCATED IN ELECTRICAL ROOM. SEE DRAWING E3.1 MEZZANINE POWER PLAN FOR LOCATION.



PRODUCTION FLOOR LIGHTING PLAN



LUMINAIRE SCHEDULE						
KEY	DESCRIPTION AND FINISH	MOUNTING	MANUFACTURER	SERIES OR TYPE (NOT A COMPLETE QTY. #)	VOLT	LAMP(S)
C A	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 A	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 T5 LINEAR FLUORESCENT
E	STANCHION MOUNTED EXTERIOR LIGHT W/ (2) 42W COMPACT FLUORESCENT	8' AFF	COOPER INDUSTRIES	DMVFP084GP	277	(2) 42W COMPACT FLUORESCENT
X A B	PAR 36 GLASS SEALED BEAM LAMP	12' AFF	LITHONIA	INDX1254 H2012 ULT	277	HALOGEN, 20 WATT, 12 VOLT
X1 A B	PAR 36 GLASS SEALED BEAM LAMP	12' AFF	LITHONIA	ELA W T NX H1212	12V	HALOGEN, 20 WATT, 12 VOLT
X2 A B	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.						

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



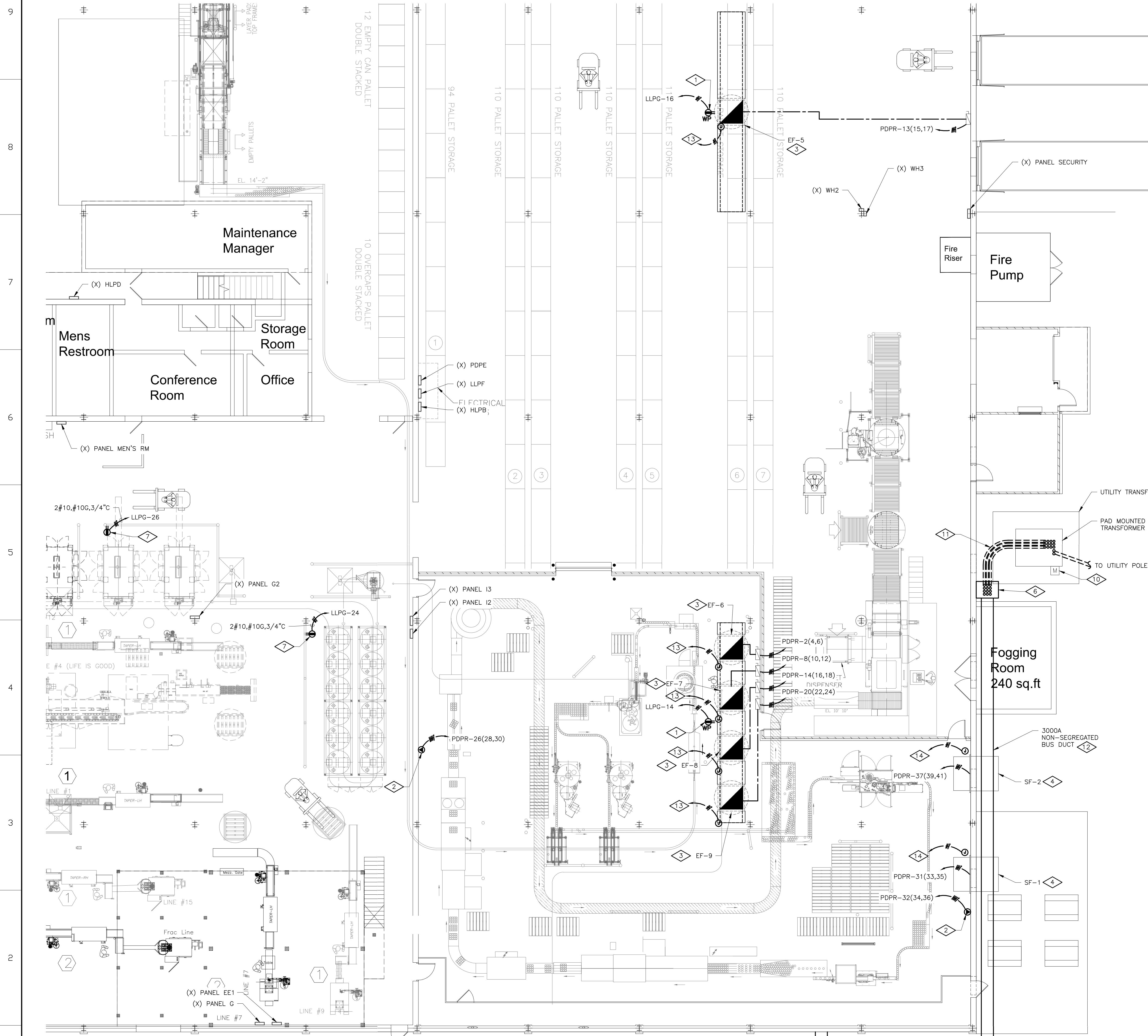
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ISSUE DATE: 02/27/14	
STATE OF LOUISIANA RICKEY JOHN KASTNER, JR. license No. 37894 PROFESSIONAL ENGINEER ELECTRICAL ENGINEERING 02-20-2014 STAMP	DEPT. APPROVAL DATE PROJECT APPROVAL DATE CLIENT APPROVAL DATE RESIDENT ENGR. APPROVAL DATE



DRAWN BY DEL CHECKED BY GAP MATERIAL	DATE 01/07/2014 DATE 01/07/2014	PROPERTY OF THE J.M. SMUCKER COMPANY -IMPORTANT-THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS AND SUPPLIERS WITHOUT WRITTEN CONSENT OF THE J.M. SMUCKER COMPANY. LEVEL LINE NO. EQUIP. NO. DWG. LIST SUB ASSY. NO. QUANTITY	TECH. PRESENTATION PLANT PROD. AREA DESCRIPTOR BLDG. NO.	PROJECT ORANGE ENLARGED FLOOR PLAN LIGHTING JMS FOODSERVICE LLC	DRAWING NUMBER E2.1 SUPERSEDES
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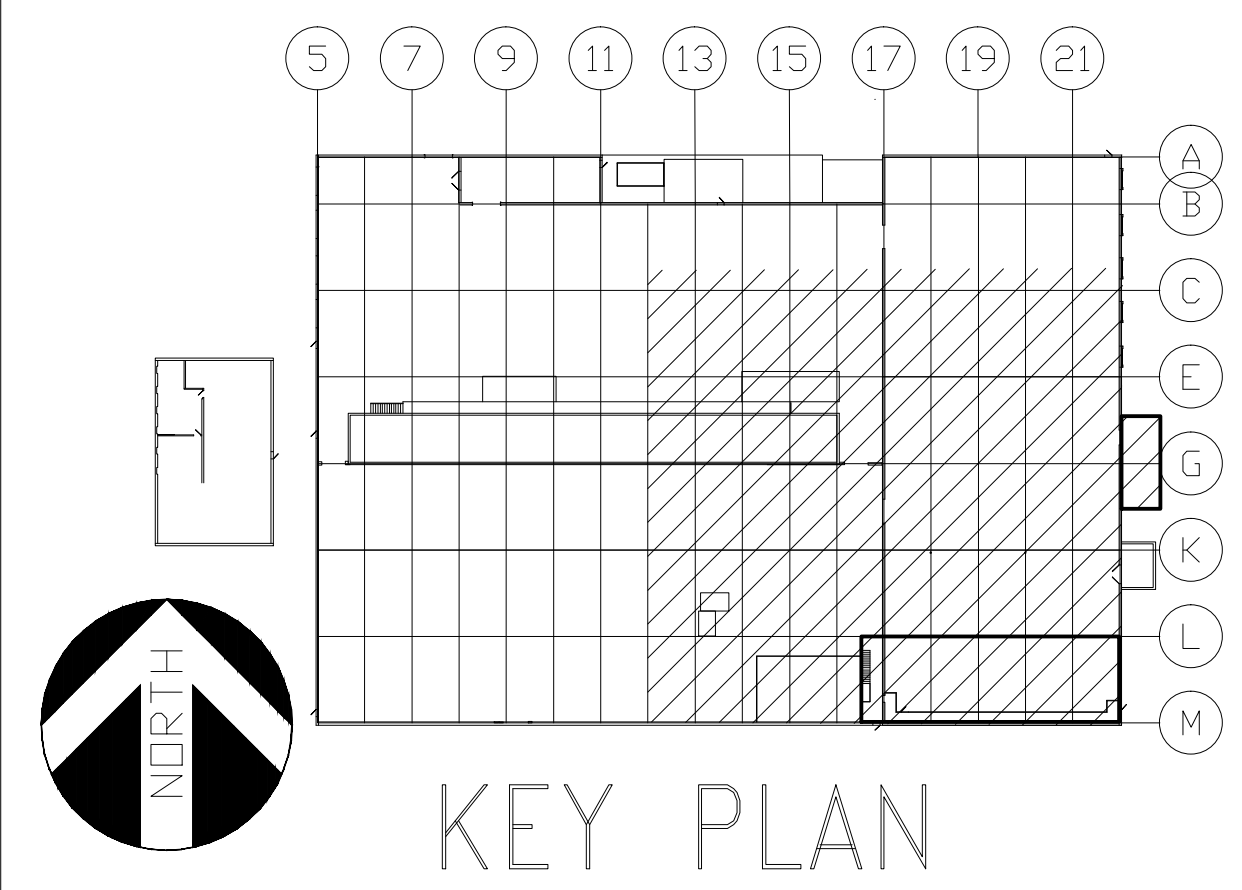
-NO



PRODUCTION FLOOR POWER PLAN

1/8"=1'-0"

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
LIGHTING	
○ ^A ○ ^B	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
POWER	
○	SINGLE RECEPTACLE
○	DUPLEX RECEPTACLE
○	DOUBLE DUPLEX RECEPTACLE
○	DEDICATED RECEPTACLE
○	MOTOR OUTLET AND CONNECTION
○	JUNCTION BOX
○	SAFETY SWITCH F=FUSED B=BREAKER 30A=FUSE 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...
○	"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
SPECIAL SYSTEMS	
○	COMBINATION COMPUTER/TELEPHONE OUTLET
ABBREVIATIONS	
AFF, 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, 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

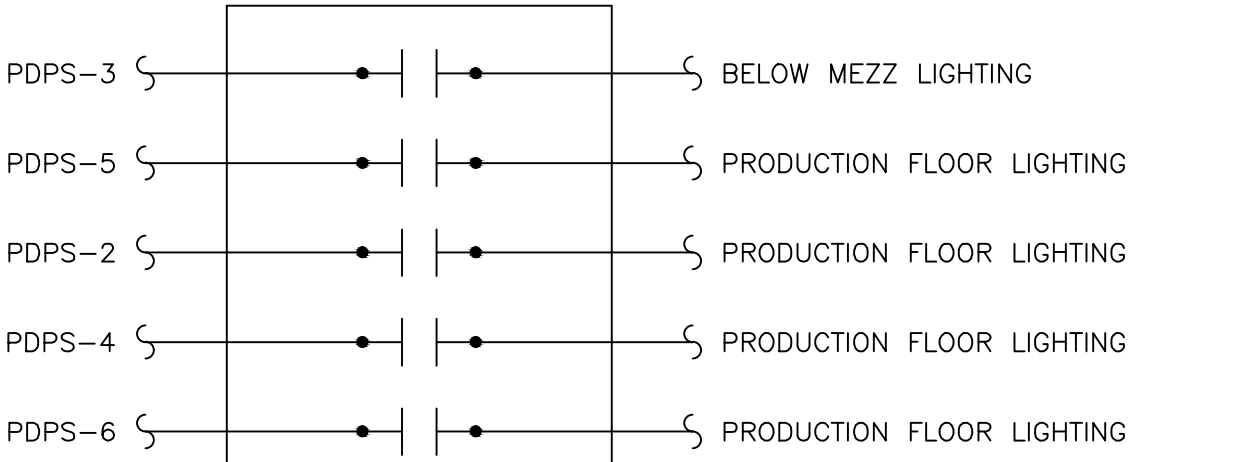


GENERAL NOTES

- 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.

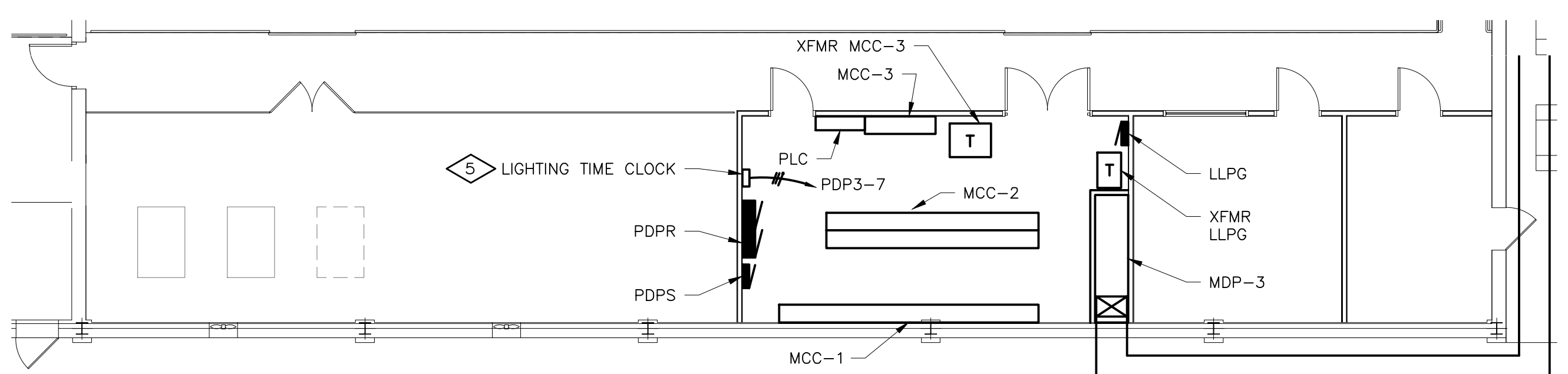
KEY NOTES

- 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 2" AWAY FROM POLE. CONTRACTOR SHALL PROVIDE ENTERGY SERVICES COMPANY PVC-80 CONDUIT TO ROUTE UP UTILITY POLE TO SERVICE FEEDERS.
- TRANSFORMER PAD SHALL BE IN ACCORDANCE WITH ENTERGY 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, #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.
- 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



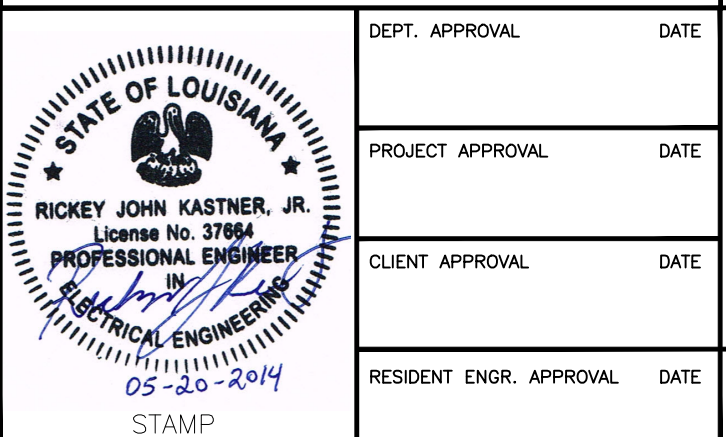
MEZZANINE POWER PLAN

1/8"=1'-0"



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

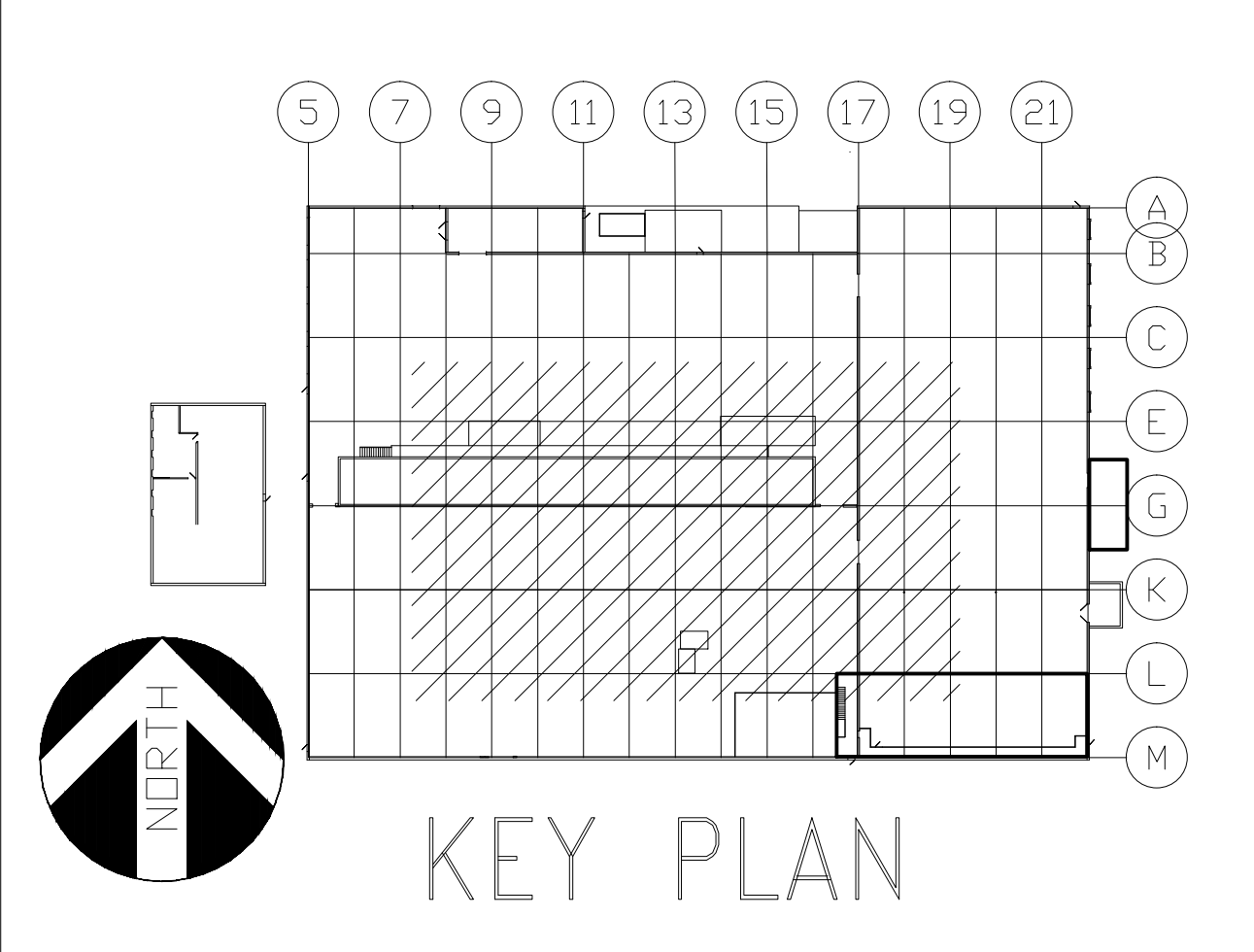
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DEL	01/07/2014	
CHECKED BY	DATE	
GAP	01/07/2014	
MATERIAL		
REVISION	DATE	
RESIDENT ENGR. APPROVAL	DATE	
COMMISSION		
PROJECT #	14015	
REV	AS NOTED	
SCALE		
LEVEL		
LINE NO.		
EQUIP. NO.		
DWG. LIST		
SUB ASSY. NO.		
QUANTITY		
TECH.		
PRESENTATION		
PLANT		
PROD. AREA		
DESCRIPTOR		
BLDG. NO.		

PROJECT ORANGE
ENLARGED FLOOR PLAN
POWER
JMS FOODSERVICE LLC

DRAWING NUMBER
E3.1
SUPERSEDES

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

—CN

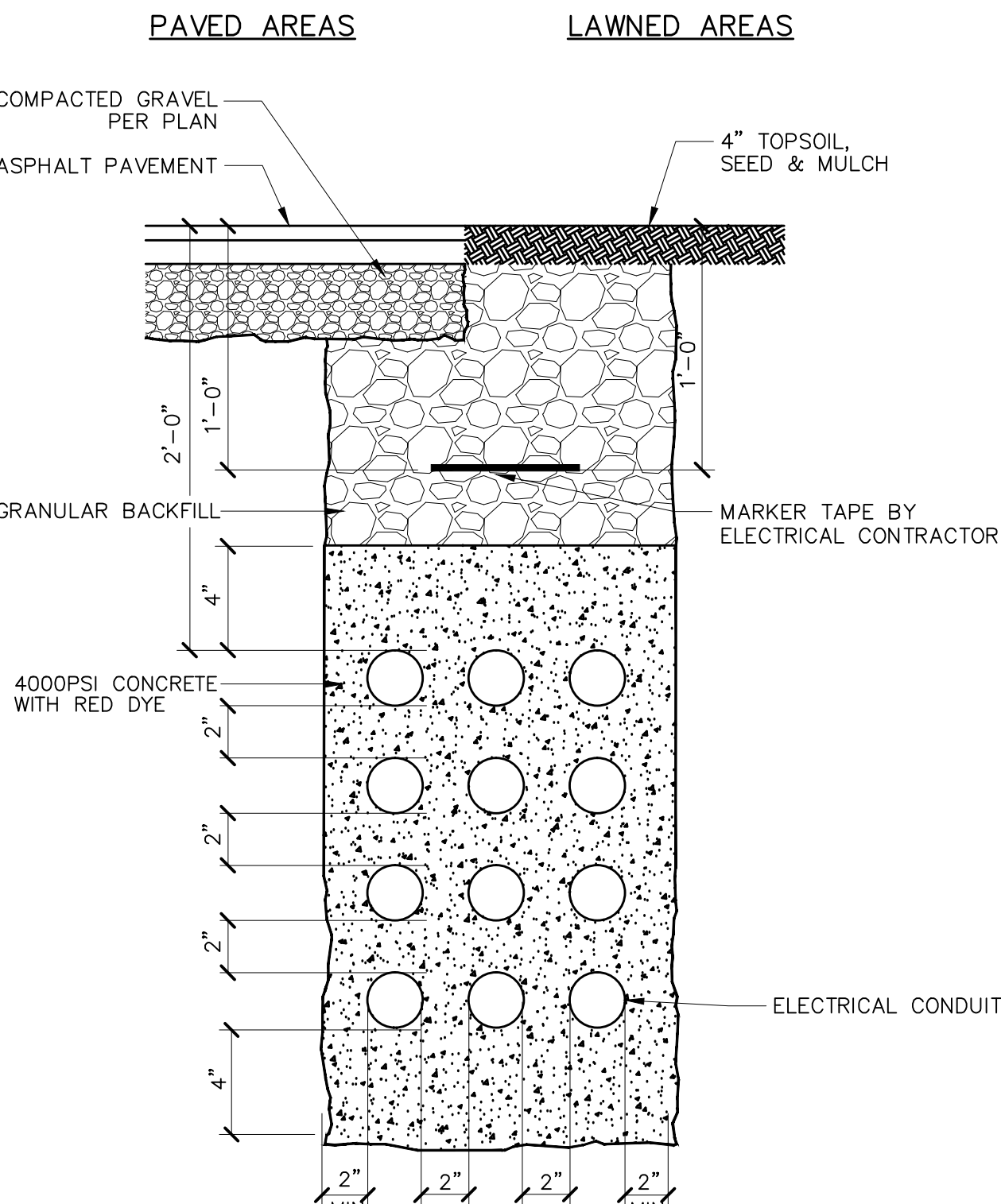


GENERAL NOTES

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

KEY NOTES

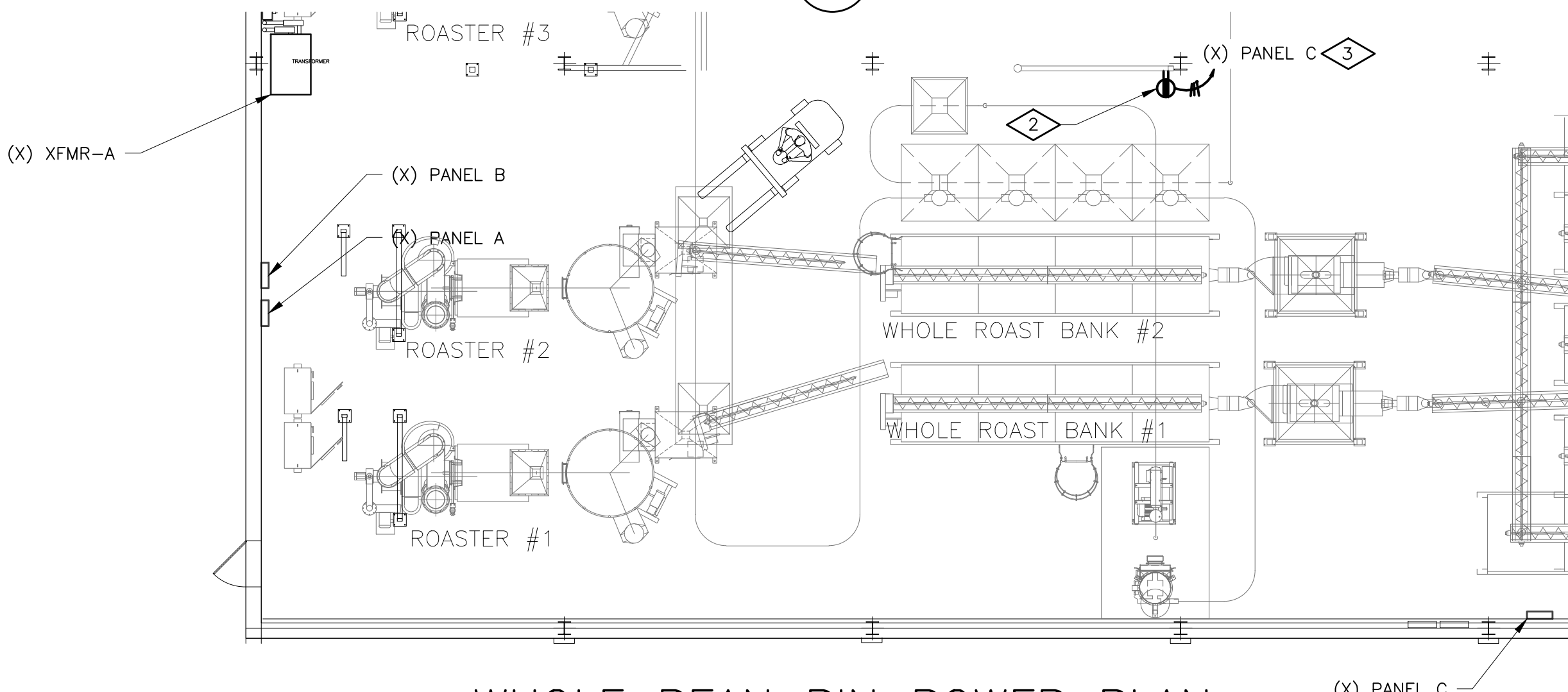
- ① PHOTOCELL SHALL BE MOUNTED ON EXTERIOR OF ROOF OF EXISTING STRUCTURE, AIM AS REQUIRED.
- ② RECEPTACLE SHALL BE MOUNTED AT 24" ABOVE PLATFORM LEVEL.
- ③ RECEPTACLE SHALL BE CIRCUITED TO (X) PANEL C; PROVIDE (1) 20A 1P CIRCUIT BREAKER TO MATCH EXISTING CIRCUIT BREAKERS IN (X) PANEL C.
- ④ STANCHION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



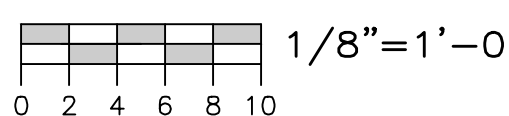
NOTES:

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
E3.1 NTS

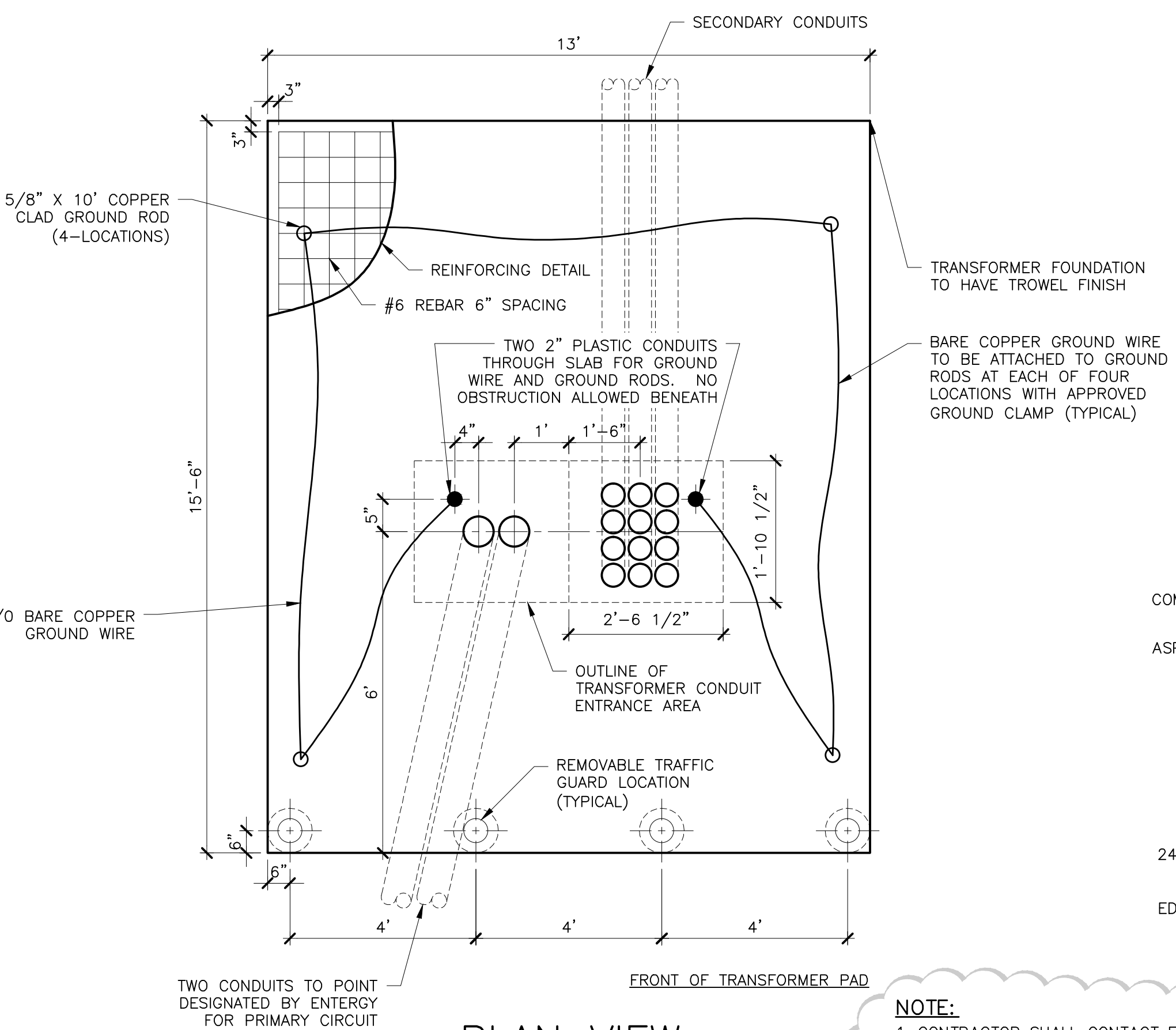


WHOLE BEAN BIN POWER PLAN



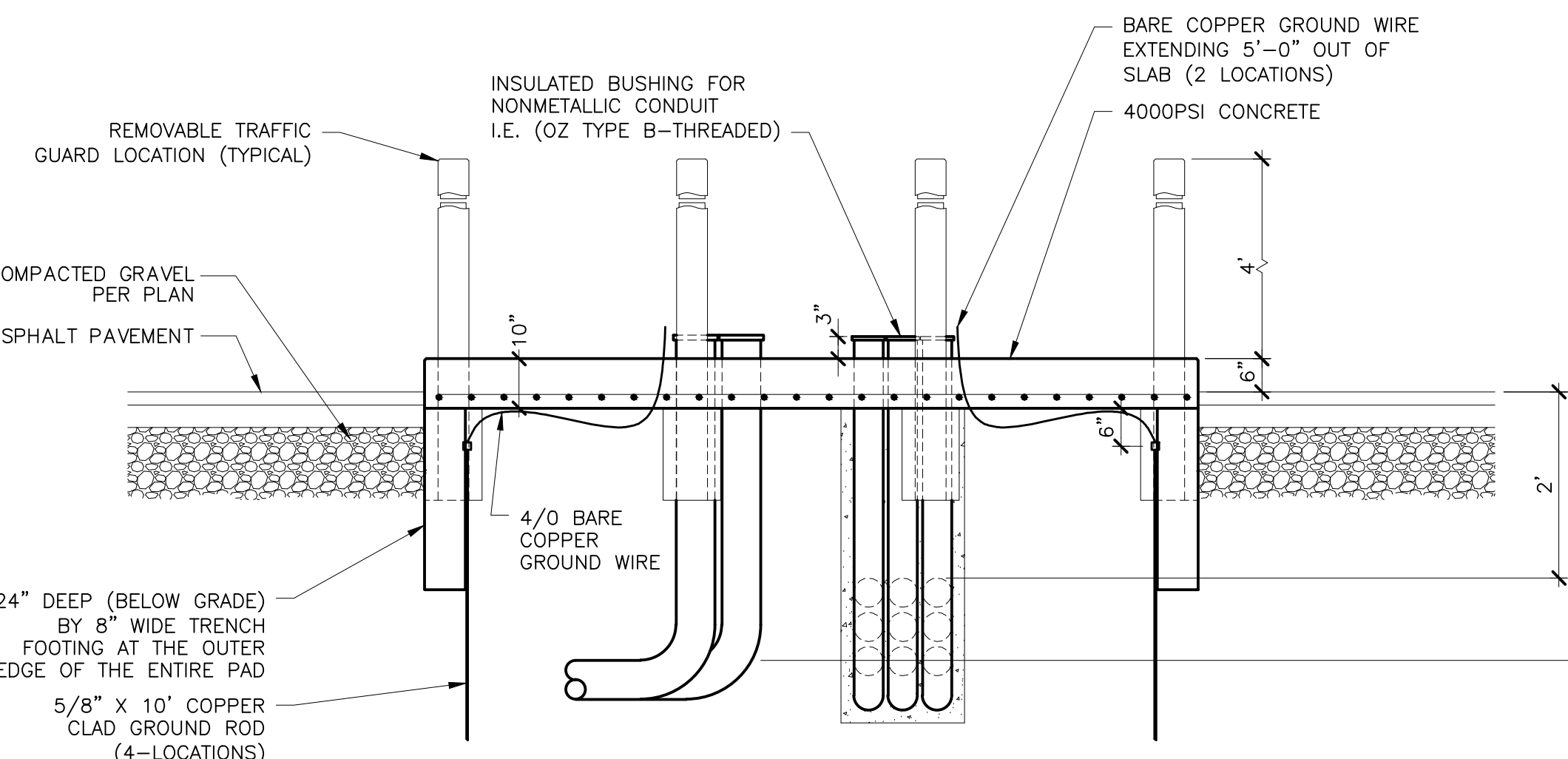
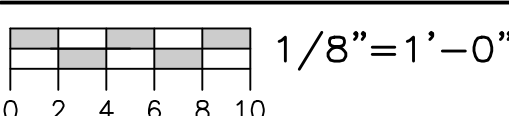
PHASE 2

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LEVEL		TECH.		PROJECT ORANGE				DRAWING NUMBER	
LINE NO.		PRESENTATION						E3.2	
EQUIP. NO.		PLANT		ROOF PLAN AND DETAILS					
DWG. LIST		PROD. AREA							
SUB ASSY. NO.		DESCRIPTOR		POWER				SUPERSEDES	
QUANTITY		BLDG. NO.		JMS FOODSERVICE LLC					



PLAN VIEW

ROOF POWER PLAN



ELEVATION

2 UTLITY TRANSFORMER PAD DETAIL
E3.1 NTS

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



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

DRAWN BY	DATE
DEL	01/07/2011
CHECKED BY	DATE
GAP	01/07/2011
MATERIAL	
SCALE	
AS NOTED	

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LEVEL		TECH.		PROJECT ORANGE		DRAWING NUMBER E3.2	
LINE NO.		PRESENTATION					
EQUIP. NO.		PLANT		ROOF PLAN AND DETAILS		POWER	
DWG. LIST		PROD. AREA					
SUB ASSY. NO.		DESCRIPTOR		JMS FOODSERVICE LLC		SUPERSEDES	
QUANTITY		BLDG. NO.					

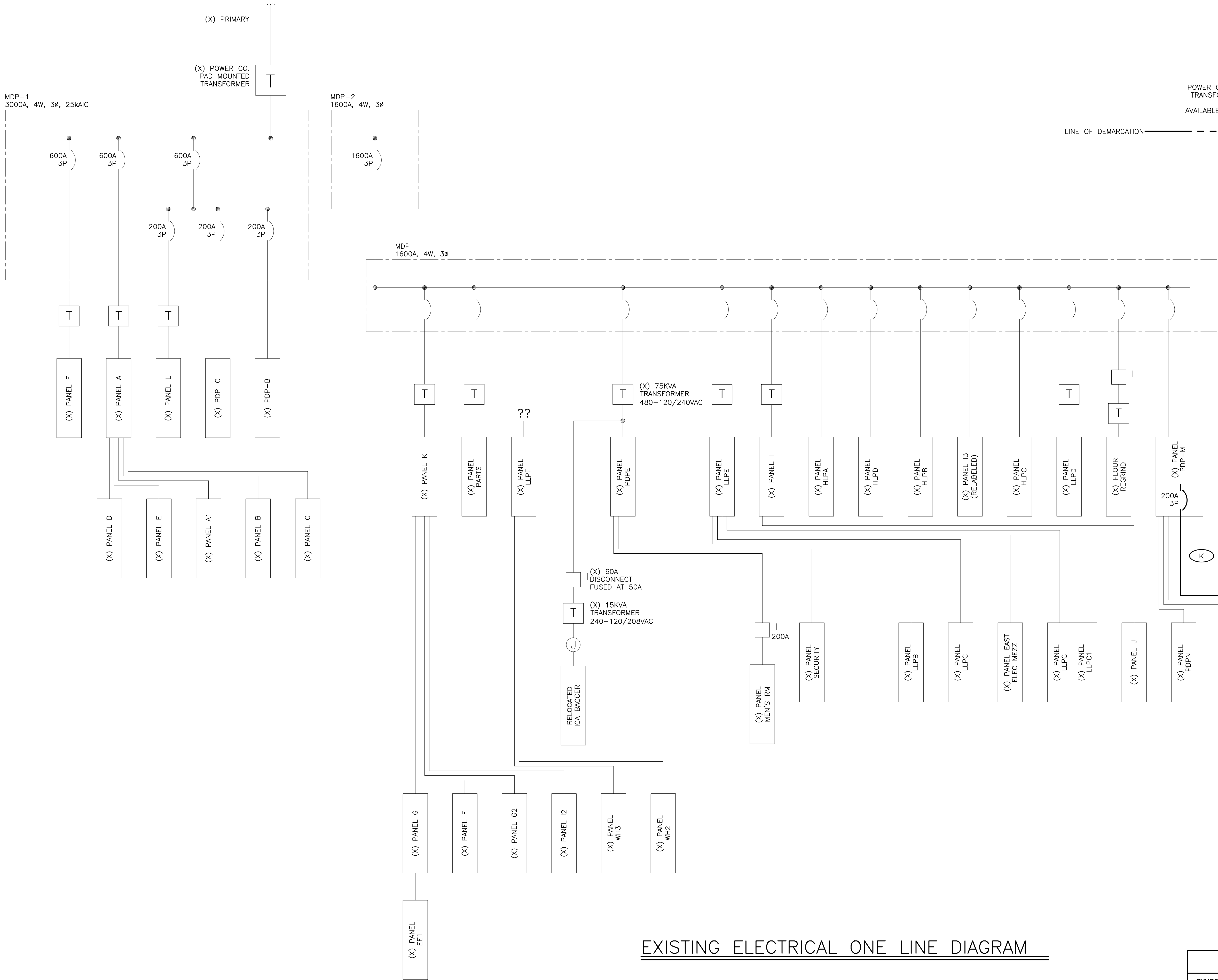
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GENERAL NOTES

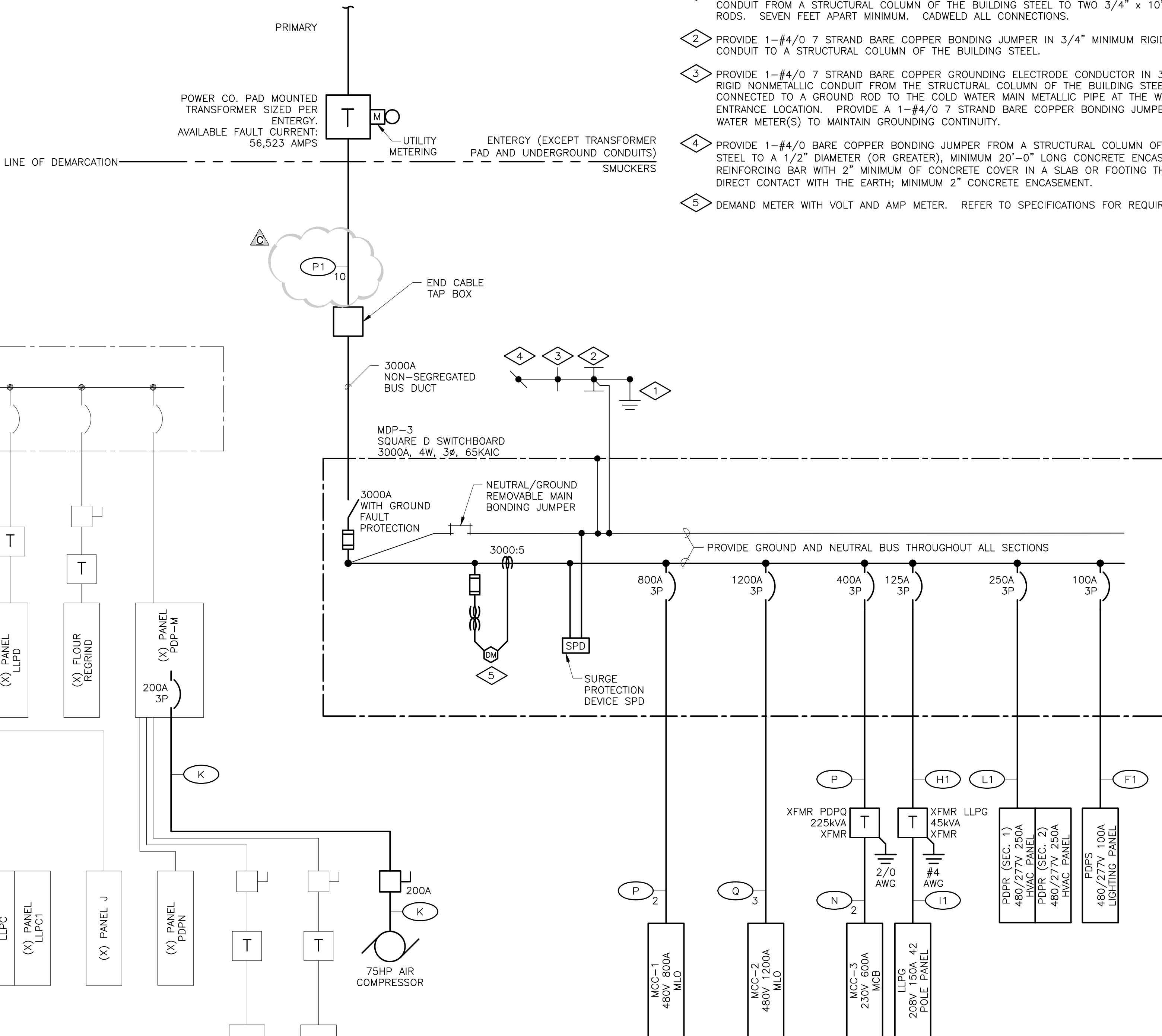
1. REFER TO DRAWING E1.1 FOR ELECTRICAL DRAWING PACKAGE GENERAL NOTES.

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. CADWELD 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
ONE-LINE DIAGRAM	
	PANELBOARD AND OTHER LOADS (AS NOTED)
	TRANSFORMER
	DISCONNECT SWITCH
	FUSE
	CIRCUIT BREAKER
	GROUND FAULT
	GROUND CONNECTION
	JUNCTION BOX
	MOTOR
	EQUIPMENT ENCLOSURE OUT LINE
	WORK UNDER THIS CONTRACT
	EXISTING EQUIPMENT AND FEEDERS

CONDUIT AND WIRE SCHEDULE					
CU CONDUCTORS		CONDUIT	CU CONDUCTORS		CONDUIT
A	3#12, 1#12G	3/4"	I	3#2/0, 1#6G	2-1/2"
A1	4#12, 1#12G	3/4"	I1	4#2/0, 1#6G	2-1/2"
B	3#10, 1#10G	3/4"	J	3#3/0, 1#6G	2-1/2"
B1	4#10, 1#10G	3/4"	J1	4#3/0, 1#6G	2-1/2"
C	3#8, 1#10G	1"	K	3#4/0, 1#4G	2-1/2"
C1	4#8, 1#10G	1"	K1	4#4/0, 1#4G	2-1/2"
D	3#6, 1#10G	1-1/4"	L	3#250 KCML, 1#4G	3"
D1	4#6, 1#10G	1-1/4"	L1	4#250 KCML, 1#4G	3"
E	3#4, 1#8G	1-1/4"	M	3#300 KCML, 1#4G	3"
E1	4#4, 1#8G	1-1/2"	M1	4#300 KCML, 1#4G	3-1/2"
F	3#2, 1#8G	1-1/2"	N	3#350 KCML, 1#2G	3-1/2"
F1	4#2, 1#8G	1-1/2"	N1	4#350 KCML, 1#2G	3-1/2"
G	3#1, 1#6G	1-1/2"	O	3#400 KCML, 1#2G	3-1/2"
G1	4#1, 1#6G	2"	O1	4#400 KCML, 1#2G	3-1/2"
H	3#1/0, 1#6G	2"	P	3#500 KCML, 1#2G	3-1/2"
H1	4#1/0, 1#6G	2-1/2"	P1	4#500 KCML, 1#2G	4"
FV	FIELD VERIFY		Q	3#600 KCML, 1#2G	5"
BO	BY OTHERS		Q1	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.

PHASE 2



STATEMENT OF SUPERVISION
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ISSUE DATE: 02/27/14	DEPT. APPROVAL	DATE
	PROJECT APPROVAL	DATE
	CLIENT APPROVAL	DATE
	RESIDENT ENGR. APPROVAL	DATE
	COMMISSION	
	PROJECT #	
	REV	
	SCALE	
	NONE	

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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DEL	01/07/2014	
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GAP	01/07/2014	
MATERIAL		
DWG. LIST		
SUB ASSY. NO.		
QUANTITY		
TECH.		
PRESENTATION		
PLANT		
PROD. AREA		
DESCRIPTOR		
BLDG. NO.		

PROJECT ORANGE ELECTRICAL ONE LINE DIAGRAM	DRAWING NUMBER E5.1
SUPERSEDES	

JMS FOODSERVICE LLC

L

K

J

I

G

F

E

D

C

B

A

—CN—

TYPE : SQUARE D	LOCATION ELECTRICAL ROOM						VOLTAGE : 480V,3ø,4W					
DIMENSIONS : 28"D X 9"W	SWITCHBOARD MDP-3						MAINS : 3000A					
MOUNTING : FLOOR	THREE PHASE SWITCHBOARD						A.I.C. RATING : 65000					
PANEL FEED : TOP							LUGS SIZE : SEE ONE LINE DIAGRAM					

DESCRIPTION	CONNECTED LOAD (VA)			WIRE	BKR	PHASE			WIRE	CONNECTED LOAD (VA)			DESCRIPTION
	A	B	C			A	B	C		A	B	C	
MCC-1	99486			-		1 • 2			-	38558			PDPR
	99486				800/3	3 • 4		250/3		38558			
		99486				5 • 6					38558		
MCC-2	223000					7 • 8			-	5784			PDPS
	223000				1200/3	9 • 10		100/3		3776			
		223000				11 • 12					5880		
XFMR - MCC-3	50154			-		13 • 14			-	6276			XFMR - LLPG
	50154				400/3	15 • 16		125/3		7748			
		50+54				17 • 18					8200		
-	-			-		19 • 20		-	-	-			-
	-				-	21 • 22		-		-			
		-				23 • 24					-		
-	-			-		25 • 26		-	-	-			-
	-					27 • 28		-		-			
		-				29 • 30							
TOTALS:	372640	372640	372640							50618	50082	52683	

	CONNECTED KVA	NEC DEMAND FACTOR	NEC DEMAND KVA	PHASE	CONNECTED KVA	CONNECTED AMPS	
LIGHTING:	15.5	1.25	19.3	A	423.2	1528	REFER TO ONE LINE DIAGRAM FOR CONDUCTOR AND CONDUIT SIZES / QUANTITY
RECEPTACLES: FIRST 10.0KVA	5.8	1.00	5.8	B	422.7	1526	
REMAINING	4.1	0.50	5.1	C	425.3	1535	
MOTORS: LARGEST	41.4	1.25	51.8				
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	(3ø10, 1ø10G) 3/4"C.	20A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD
EF-4	MECHANICAL ROOM EXHAUST FAN	7.6A	480V 3ø	(3ø10, 1ø10G) 3/4"C.	20A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD
EF-5	PALLETIZER AREA EXHAUST FAN	14A	480V 3ø	(3ø10, 1ø10G) 3/4"C.	20A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD
EF-6	CAN PACKING ROOM EXHAUST FAN	14A	480V 3ø	(3ø10, 1ø10G) 3/4"C.	20A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD
EF-7	CAN PACKING ROOM EXHAUST FAN	14A	480V 3ø	(3ø10, 1ø10G) 3/4"C.	20A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD
EF-8	CAN PACKING ROOM EXHAUST FAN	14A	480V 3ø	(3ø10, 1ø10G) 3/4"C.	20A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD
EF-9	CAN PACKING ROOM EXHAUST FAN	14A	480V 3ø	(3ø10, 1ø10G) 3/4"C.	20A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD
SF-1	CAN PACKING ROOM SUPPLY FAN	27A	480V 3ø	(3ø6, 1ø10G) 1"C.	50A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD
SF-2	CAN PACKING ROOM SUPPLY FAN	27A	480V 3ø	(3ø6, 1ø10G) 1"C.	50A3P	BY OTHERS	BY OTHERS	PROVIDED WITH MOD
AC-1A	RECEIVING OFFICE AIR HANDLER	1A	208V 1ø	(2ø12, 1ø12G) 3/4"C.	VIA AC-1B	N/A	BY OTHERS	--
AC-1B	RECEIVING OFFICE AIR HANDLER	12A	208V 1ø	(2ø10, 1ø10G) 3/4"C.	20A2P	N/A	BY OTHERS	--
AC-2A	MEZZANINE OFFICE AIR HANDLER	1A	208V 1ø	(2ø12, 1ø12G) 3/4"C.	VIA AC-2B	N/A	BY OTHERS	--
AC-2B	MEZZANINE OFFICE AIR CONDENSER	12A	208V 1ø	(2ø10, 1ø10G) 3/4"C.	20A2P	N/A	BY OTHERS	--
AC-3A	ELECTRICAL ROOM AIR HANDLER	2A	208V 1ø	(2ø12, 1ø12G) 3/4"C.	VIA AC-3B	N/A	BY OTHERS	--
AC-3B	ELECTRICAL ROOM AIR CONDENSER	26A	208V 1ø	(2ø8, 1ø10G) 3/4"C.	35A2P	N/A	BY OTHERS	--
AC-4A	ELECTRICAL ROOM AIR HANDLER	2A	208V 1ø	(2ø12, 1ø12G) 3/4"C.	VIA AC-4B	N/A	BY OTHERS	--
AC-4B	ELECTRICAL ROOM AIR CONDENSER	26A	208V 1ø	(2ø8, 1ø10G) 3/4"C.	35A2P	N/A	BY OTHERS	--
CP-1	MEZZANINE OFFICE CONDENSATE PUMP	1.5A	120V 1ø	(2ø12, 1ø12G) 3/4"C.	20A1P	N/A	N/A	PROVIDED WITH 6" CORD
CP-21	RECEIVING OFFICE CONDENSATE PUMP	1.5A	120V 1ø	(2ø12, 1ø12G) 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				VOLTAGE : 480/277V, 3ø, 4W			
DIMENSIONS :	20"W X 5.75"D	PANEL PDPR (SECTION 1)				MAINS : 250A MCB			
MOUNTING :	SURFACE	THREE PHASE PANEL				A.I.C. RATING : 65,000			
PANEL FEED :	BOTTOM					LUGS SIZE : SEE ONE LINE DIAGRAM			

DESCRIPTION	CONNECTED LOAD (VA)			WIRE	BKR	PHASE			WIRE	BKR	CONNECTED LOAD (VA)			DESCRIPTION
	A	B	C			A	B	C			A	B	C	
EF-3	2106			—		1 • 2			—		3880			EF-6
		2106		—	20/3	3 • 4			20/3		3880	3880		
			2106	—		5 • 6								
EF-4	2106			—		7 • 8			—		3880			EF-7
		2106		—	20/3	9 • 10			20/3		3880	3880		
			2106	—		11 • 12							3880	
EF-5	3880			—		13 • 14			—		3880			EF-8
		3880		—	20/3	15 • 16			20/3		3880	3880		
			3880	—		17 • 18							3880	
SPARE	—			—		19 • 20			—		3880			EF-9
		—		—	20/3	21 • 22			20/3		3880	3880		
			—	—		23 • 24							3880	
SPARE	—			—		25 • 26			—		—			WELDING RECEPTACLE
		—		—	20/3	27 • 28			50/3		—			
			—	—		29 • 30							—	
SF-1	7473			—		31 • 32			—		—			WELDING RECEPTACLE
		7473		—	50/3	33 • 34			50/3		—			
			7473	—		35 • 36							—	
SF-2	7473			—		37 • 38			—		—			SPARE
		7473		—	50/3	39 • 40			20/3		—			
			7473	—		41 • 42							—	
TOTALS:	23038	23038	23038								15520	15520	15520	

	CONNECTED KVA	NEC DEMAND FACTOR	NEC DEMAND KVA	PHASE	CONNECTED KVA	CONNECTED AMPS	
LIGHTING:	—	1.25	—	A	39	140.8	REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR CONDUCTOR AND CONDUIT SIZES / QUANTITY
RECEPTACLES: FIRST 10.0KVA	—	1.00	—	B	39	140.8	
REMAINING	—	0.50	—	C	39	140.8	
MOTORS: LARGEST	22	1.25	27.5				
REMAINING	95	1.00	95				
HEATING:	—	1.00	—				
MISCELLANEOUS:	—	1.00	—				
TOTALS:	117	122.5	(147.3A @480V)				

TYPE :	SQUARE D NF SERIES	LOCATION ELECTRICAL ROOM					VOLTAGE :		480/277V, 3ø, 4W
DIMENSIONS :	20"W X 5,75"D	PANEL PDPS					MAINS :		100A MCB
MOUNTING :	SURFACE	THREE PHASE PANEL					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
	A	B	C			A	B	C		A	B	C	
MEZZANINE LIGHTING	811			—	20/1	1 ●	2	20/1	—	4116			PRODUCTION FLOOR LTG
BELOW MEZZ LIGHTING		1344		—	20/1	3 ●	4	20/1	—		2352		PRODUCTION FLOOR LTG
PRODUCTION FLOOR LTG			4116	—	20/1	5 ●	6	20/1	—			1764	PRODUCTION FLOOR LTG
LTG TIME CLOCK	277			—	20/1	7 ●	8	20/1	—	580			RECEIVING OFFICE LTG
FILTER/RECEIVING LTG		80		—	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 REMAINING MOTORS: LARGEST REMAINING HEATING: MISCELLANEOUS:	CONNECTED KVA	NEC DEMAND FACTOR	NEC DEMAND KVA	PHASE	CONNECTED KVA	CONNECTED AMPS	REFER TO ELECTRICAL DRAWING PACKAGE GENERALS NOTES (SHEET E1.1) CONDUCTORS AND CONDUIT SIZES / QUANTITY
	15.5	1.25	19.3	A	5.8	20.9	
	—	1.00	—	B	3.8	13.7	
	—	0.50	—	C	5.9	20.9	
	—	1.25	—				
	—	1.00	—				
	—	1.00	—				
	—	1.00	—				
TOTALS:	15.5		19.3 (23A ● 480V)				

TYPE	:	SQUARE D	NF SERIES	LOCATION ELECTRICAL ROOM	VOLTAGE	:	480/277V, 3ø, 4W
DIMENSIONS	:	20"W X 5.75"D			MAINS	:	FEED THROUGH LUGS
MOUNTING	:	SURFACE		PANEL PDR (SECTION 2)	A.I.C. RATING	:	65,000
PANEL FEED	:	BOTTOM		THREE PHASE PANEL	LUGS SIZE	:	SEE ONE LINE DIAGRAM

DESCRIPTION	CONNECTED LOAD (VA)			WIRE	BKR	PHASE			BKR	WIRE	CONNECTED LOAD (VA)			DESCRIPTION
	A	B	C			A	B	C			A	B	C	
SPARE	—	—	—	—	20/3	1 • 2 3 • 4 5 • 6	—	—	20/3	—	—	—	—	SPARE
SPARE	—	—	—	—	20/3	7 • 8 9 • 10 11 • 12	—	—	20/3	—	—	—	—	SPARE
SPACE	—	—	—	—	—	13 • 14 15 • 16 17 • 18	—	—	—	—	—	—	—	SPACE
SPACE	—	—	—	—	—	19 • 20 21 • 22 23 • 24	—	—	—	—	—	—	—	SPACE
SPACE	—	—	—	—	—	25 • 26 27 • 28 29 • 30	—	—	—	—	—	—	—	SPACE
SPACE	—	—	—	—	—	31 • 32 33 • 34 35 • 36	—	—	—	—	—	—	—	SPACE
SPACE	—	—	—	—	—	37 • 38 39 • 40 41 • 42	—	—	—	—	—	—	—	SPACE
TOTALS:	0	0	0	—	—	—	—	—	—	—	0	0	0	—

	CONNECTED KVA	NEC DEMAND FACTOR	NEC DEMAND KVA	PHASE	CONNECTED KVA	CONNECTED AMPS	
LIGHTING:	—	1.25	—	A	0	0	REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR CONDUCTOR AND CONDUIT SIZES / QUANTITY
RECEPTACLES: FIRST 10,0KVA	—	1.00	—	B	0	0	
REMAINING	—	0.50	—	C	0	0	
MOTORS: LARGEST	—	1.25	—				
REMAINING	—	1.00	—				
HEATING:	—	1.00	—				
MISCELLANEOUS:	—	1.00	—				
TOTALS:	0		0 (0A @480V)				

TYPE
DIMENSIONS :
MOUNTING :
PANEL FEED :

SQUARE D NGOOD SERIES
20"W X 5.75"D
SURFACE
BOTTOM

LOCATION ELECTRICAL ROOM

PANEL LLPG

THREE PHASE PANEL

VOLTAGE : 120/208V,3ø,4W
MAINS : 150A MCB
A.I.C. RATING : 10,000
LUGS SIZE : SEE ONE LINE DIAGRAM

DESCRIPTION	CONNECTED LOAD (VA)			WIRE	BKR	PHASE			WIRE	CONNECTED LOAD (VA)			DESCRIPTION	
	A	B	C			A	B	C		A	B	C		
ELECTRICAL RM RECEPTS	540			—	20/1	1 ●	2	20/1	—	720			MEZZANINE RECEPTS	
MEZZ OFFICE RECEPTS		720		—	20/1	3 ●	4	20/1	—		1080		RECEIVING OFFICE RECEPTS	
MECHANICAL RM RECEPTS			720	—	20/1	5 ●	6	20/1	—			180	CP-1 RECEIPT	
RECEIVING ELEC. RESTRIKE	240			—	20/1	7 ●	8	20/1	—	180			CP-2 RECEIPT	
AC-1		1352		—	20/2	9 ●	10	20/1	—		180		ROOF CONDENSOR RECEPT	
			1352	—	20/2	11 ●	12	20/1	—			180	RECEIVING COND RECEPT	
AC-2		1352		—	20/2	13 ●	14	20/1	—	180			EXHAUST FAN RECEPT	
			1352	—	20/2	15 ●	16	20/1	—	180			EXHAUST FAN RECEPT	
AC-3			2704	—	35/2	17 ●	18	20/1	—	180			FILTER/RECEIVER RECEPT	
			2704	—	35/2	19 ●	20	20/1	—	180			FILTER/RECEIVER RECEPTS	
AC-4			2704	—	35/2	21 ●	22	20/1	—	180			MECH RM CP RECEPT	
			2704	—	35/2	23 ●	24	20/1	—		180		DEGAS RECEPT	
SPARE				—	20/1	25 ●	26	20/1	—	180			GRINDER RECEPT	
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:	4836	6128	7480								1440	1620	720	

CONNECTED
KVA

NEC
DEMAND
FACTOR

NEC
DEMAND
KVA

PHASE

CONNECTED
KVA

CONNECTED
AMPS

REFER TO ELECTRICAL DRAWING
PACKAGE GENERAL NOTES
(SHEET E1.1) FOR 120V
CONDUCTORS AND CONDUIT
SIZES / QUANTITY

LIGHTING:
RECEPTALS: FIRST 10.0KVA
REMAINING
MOTORS: LARGEST
REMAINING
HEATING:
MISCELLANEOUS:

1.25
—
1.25
—
—
16.2
0.2

1.00
0.50
1.00
1.00
1.00
1.00
1.00

—
—
—
—
—
16.2
0.2

A
B
C

6.2
7.7
8.2

51.7
64.2
68.3

REFER TO MECHANICAL
EQUIPMENT SCHEDULE FOR
MECHANICAL EQUIPMENT
CONDUCTOR AND CONDUIT
SIZES / QUANTITY

TOTALS:

22.2

22.2 (61A ● 208V)

NAME	LOCATION	SIZE	VOLTAGE		RATING	GROUND WIRE	APPROXIMATE WEIGHT	MOUNTING & REMARKS
			PRIMARY	SECONDARY				
T _{PDPQ}	ELECTRICAL ROOM	225 KVA	480V 3ø, 3W	230V, 3ø, 4W	TP-1 (TYPE EE) NEMA 1	2/0 AWG.	1350 LBS.	FLOOR MOUTINED
T _{LLPG}	ELECTRICAL ROOM	45 KVA	480V 3ø, 3W	120/208V, 3ø, 4W	TP-1 (TYPE EE) NEMA 1	#4 AWG.	350 LBS.	FLOOR MOUTINED

NOTES:

1. VERIFY ACTUAL WEIGHT WITH MANUFACTURER'S APPROVED SHOP DRAWINGS.
2. PROVIDE 12" (MIN.) LONG LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTIONS FROM CONDUIT TO TRANSFORMER.
3. PROVIDE GROUNDING ELECTRODE CONDUCTOR WIRE TO THE NEAREST EFFECTIVELY GROUNDED BUILDING STRUCTURAL STEEL OR TO A COLD WATER PIPE. SUBMIT RESISTANCE TEST FOR EACH DRY TYPE TRANSFORMER.
4. INSTALL THE NEUTRAL/GROUND BONDING JUMPER FURNISHED WITH THE TRANSFORMER.

GENERAL NOTES

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

PHASE 2



DAMMON
ENGINEERING, INC.
Architects & Engineers
554 Old Spanish Trail • Studio, CA 70458 955-449-1832

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

DRAWN BY	DATE
DEL	01/07/2014
CHECKED BY	DATE
GAP	01/07/2014
MATERIAL	
SCALE	
NONE	

PROPERTY OF THE J.M. SMUCKER COMPANY -IMPORTANT-THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS AND SUPPLIERS WITHOUT WRITTEN CONSENT OF THE J.M. SMUCKER COMPANY.									
LEVEL		TECH.		PROJECT ORANGE				DRAWING NUMBER	
LINE NO.		PRESENTATION						E5.2	
EQUIP. NO.		PLANT		ELECTRICAL					
DWG. LIST		PROD. AREA							
SUB ASSY. NO.		DESCRIPTOR		SCHEDULES				SUPERSEDES	
QUANTITY		B.D.G. NO.							
IMS FOODSERVICE LLC									

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

DRAWING NUMBER

E5.2

SUPERSEDES

JMS FOODSERVICE LLC

-NO

TYPE : ALLEN BRADLEY		MOTOR CONTROL CENTER				VOLTAGE : 230V, 3ø, 3W									
DIMENSIONS : SEE PLANS		"MCC-3"				MAINS : 600A									
ENCLOSURE : NEMA 1		UNIT WIRING: NEMA CLASS 1, TYPE B				A.I.C. RATING : 65,000									
INCOMING FEED : TOP						LUGS SIZE : REFER TO ONE LINE									
LINE NUMBER	DESCRIPTION		LOAD	STARTER		CONTACTOR		CONTROLS					KEY NOTES		
	PROVIDE THREE LINE NAMEPLATE		NUMBER OF MOTORS FULL LOAD AMPS	SIZE	TYPE	MAGNETIC ONLY BREAKER	SIZE	TYPE	THERMAL- MAGNETIC BREAKER	SEPARATE SOURCE CONTROL VOLTAGE	TRANSFORMER VOLTAGE MINIMUM VA	CONTROL NUMBER		SELECTOR SWITCH	PILOT LIGHT(S)
	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 TUNNER /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
A		VC-30290	600A MAIN CIRCUIT BREAKER
B			
C		VC-30260	
D	VC-30250		VC-30310
E		VC-30280	
F	VC-30440		VC-30350
G		VC-30330	
H	VC-30300		VC-30340
J		VC-30360	
K	VC-30370		VC-30270
L			
M			

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

TYPE : ALLEN BRADLEY		MOTOR CONTROL CENTER						VOLTAGE : 480V, 3ø, 3W						
DIMENSIONS : SEE PLANS		"MCC-2"						MAINS : 1200A						
ENCLOSURE : NEMA 1		UNIT WIRING: NEMA CLASS 1, TYPE B						A.I.C. RATING : 65,000						
INCOMING FEED : TOP								LUGS SIZE : REFER TO ONE LINE						
LINE NUMBER	DESCRIPTION	LOAD	STARTER		CONTACTOR		CONTROLS					KEY NOTES		
	PROVIDE THREE LINE NAMEPLATE	NUMBER OF MOTORS FULL LOAD AMPS	SIZE	TYPE	MAGNETIC ONLY BREAKER	SIZE	TYPE	THERMAL- MAGNETIC BREAKER	SEPARATE VOLTAGE CONTROL	CONVERTER VOLTAGE	CONVERTER MINIMUM VA		SELECTOR SWITCH	PILOT LIGHT(S)
	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 SRGBIN 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
A		CD-20710	CD-20200	CD-20060	RST-10250	RST-10090	MAIN LUG
B		CD-20690	CD-20280		CD-20040		
C		CD-20270				CD-20400	
D		CD-20150	CD-20370	CD-20080			RST-10080
E		CP2			RST-10260		
F							
G	PLT-70020	CP1	CD-20270	CD-20100			RST-10070
H	PLT-70030				CD-20650	CD-20380	
J	PLT-70010	CD-20320					
K	VC-30040		CD-20290	CD-20120			
L	VC-30020	CD-20330					
M	CD-20720						

2 MCC-2 ELEVATION
E5.3 NTS

TYPE : ALLEN BRADLEY		MOTOR CONTROL CENTER		VOLTAGE : 480V, 3ø, 3W	
DIMENSIONS : SEE PLANS		"MCC-1"		MAINS : 800A	
ENCLOSURE : NEMA 1		UNIT WIRING: NEMA CLASS 1, TYPE B		A.I.C. RATING : 65,000	
INCOMING FEED : TOP				LUGS SIZE : REFER TO ONE LINE	
LINE NUMBER	DESCRIPTION	LOAD	STARTER	CONTACTOR	CONTROLS