

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 7/18) CALIFORNIA ENERGY COMMISSION NRCC-LTI-E

CERTIFICATE OF COMPLIANCE
 Project Name: Ross Store Phase 2 Report Page: Page 1 of 6
 Project Address: Date Prepared: 9/25/2019

A. GENERAL INFORMATION

01 Project Location (city)	Shafter	04 Total Conditioned Floor Area (ft ²)	23,882
02 Climate Zone	13	05 Total Unconditioned Floor Area (ft ²)	0
03 Occupancy Types Within Project (select all that apply):		06 # of Stories (Habitable Above Grade)	1
<input type="checkbox"/> Office <input type="checkbox"/> Retail <input checked="" type="checkbox"/> Warehouse <input type="checkbox"/> Hotel/Motel <input type="checkbox"/> School <input checked="" type="checkbox"/> Support Areas			
<input type="checkbox"/> Parking Garage <input type="checkbox"/> High-Rise Residential <input type="checkbox"/> Relocatable <input type="checkbox"/> Other (write in):			

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b) for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work	Conditioned Spaces	Unconditioned Spaces		
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft ²)	Calculation Method	Area (ft ²)
<input checked="" type="checkbox"/> New Lighting System	Area Category	23,882	Area Category	0
<input type="checkbox"/> Altered Lighting System				
Total Area of Work (ft²)	23,882	0		

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b).	Allowed Lighting Power per §140.6(b) (Watts)					Actual Lighting Power per §140.6(a) (Watts)					Compliance Results
	01	02	03	04	05	06	07	08	09	10	
Conditioned:	Complete Building §140.6(c)1	Area Category §140.6(c)2	Area Category Footnotes §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	Total Allowed (Watts)	Total Designed (Watts)	Adjustments	PAF Control Credits §140.6(a)2 (-)	Total Actual (Watts) * Includes Adjustments	05 Must be ≥ 09 §140.6	
	(See Table I)	(See Table I)	(See Table K)	(See Table L)	= 14,329.2	z 12,225	(See Table F)	(See Table R)	= 12,225	COMPLIES	
Unconditioned:	14,329.2				=	z					

Controls Compliance (See Table H for Details) **COMPLIES with Exceptional Conditions**
 Rated Power Reduction Compliance (See Table S for Details) **Not Applicable**

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2018

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D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table H. Indoor Lighting Controls Permit Applicant Notes:
 Conveyor Belt: Existing Warehouse controls

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Existing Warehouse controls

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

01	02	03	04	05	06	07	08	09
Name or Item Tag	Complete Luminaire Description	Specialized Luminaire Types	Watts per luminaire ¹	How Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector
D	(D) Recessed LED Columbia	<input type="checkbox"/> Track <input type="checkbox"/> Portable	36	NAB Default	10	<input type="checkbox"/>	360	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
E	(E) Strip Light	<input type="checkbox"/> Track <input type="checkbox"/> Portable	105	NAB Default	113	<input type="checkbox"/>	11,865	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
					Total Designed Watts CONDITIONED SPACES:		12,225	

*NOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. TRACK LIGHTING

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a "*" is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Area Level Controls		Building Level Controls	
01	02	03	04
Mandatory Demand Response §130.1(e)	Shut-off Controls §130.1(c)	Field Inspector	
Not Required < 10,000 SF	See Area Level Controls	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	

Table Continued

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2018

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04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Skylight Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector
R.R.	Corridor/Restroom/Support	Manual ON/OFF	Bi-level Switch	Occ Sensor	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>
R.R.	Corridor/Restroom/Support	Manual ON/OFF	Bi-level Switch	Occ Sensor	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>
Closet	Corridor/Restroom/Support	Manual ON/OFF	Dimmer	Auto Timeswitch	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>
Conveyor Belt	Comm/Industrial Storage Bldg	Manual ON/OFF	Other *	Auto Timeswitch	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>
							13	
							Plan Sheet Showing Daylit Zones:	
							Conveyor Belt Existing Warehouse controls	

NOTES: Controls with a "" require a note in the space below explaining how compliance is achieved.
 EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting;
 EXCEPTION 1 to §130.1(d)2

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces		Unconditioned Spaces			
01	02	03	04	05	06
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft ²)	Area (ft ²)	Allowed Wattage (Watts)	Additional Allowances / Adjustments Footnotes PAF Portable Ltg
Facility	Commercial and Industrial Storage	0.6	23,000	13,800	<input type="checkbox"/>
Restroom	Corridor, Restrm, Stair, Support	0.6	882	529.2	<input type="checkbox"/>
TOTAL:		23,882	14,329.2		See Tables J, K, R for detail

J. POWER ADJUSTMENT: PORTABLE LIGHTING IN OFFICES

This Section Does Not Apply

K. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD FOOTNOTES

This Section Does Not Apply

L. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

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M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED SPECIAL FUNCTION AREAS

This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

P. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

Q. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

R. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (PAF)

This Section Does Not Apply

S. RATED POWER REDUCTION COMPLIANCE BY SPACE

This Section Does Not Apply

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CERTIFICATE OF COMPLIANCE
 Project Name: Ross Store Phase 2 Report Page: Page 5 of 6
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T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at <http://www.energy.ca.gov/2015publications/CEC-400-2015-033/appendices/forms/NRCC>

YES	NO	Form/Title	Field Inspector
			<input type="checkbox"/> Pass <input type="checkbox"/> Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTI-01-E - Must be submitted for all buildings.	<input type="checkbox"/>
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	<input type="checkbox"/>

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/2016standards/providers.html>

YES	NO	Form/Title	Field Inspector
			<input type="checkbox"/> Pass <input type="checkbox"/> Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	<input type="checkbox"/>

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CERTIFICATE OF COMPLIANCE
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 Project Address: Date Prepared: 9/25/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

Documentation Author Name: Raymond Phua
 Company: RPM Engineers, Inc.
 Address: 102 Discovery
 City/State/Zip: Irvine, CA 92618
 Phone: 949-450-1229

Documentation Author Signature: [Signature]
 Signature Date: 09/25/19

CEA/HERS Certification Identification (if applicable):
 Phone: 949-450-1229

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: _____ Responsible Designer Signature: _____
 Company: _____ Date Signed: _____
 Address: _____ License: _____
 City/State/Zip: _____ Phone: _____

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2016standards> July 2018



No.	Date	Description
B	09/27/2019	ISSUE FOR PERMIT

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HM
Architects / Engineers, Inc.
 50 Security Drive Jackson, Tennessee 38305
 Telephone: (731) 664-6300 Fax: (731) 664-6339

SCALE: As Indicated	PROJECT: BUILDING IMPROVEMENTS FOR MHE UPGRADES	PROJECT NUMBER: 19034
DRAWN: A/E	ROSS DISTRIBUTION CENTER	SHEET NUMBER: 2E-0.1
Author: Checker	SHAFTER, CA	PLOT DATE: 9/26/2019 11:28:53 AM
SHEET TITLE:	CALIFORNIA TITLE 24 DOCUMENTATION	

LOAD CALCULATIONS

Transformer TE1 1500KVA (Service #1)

Panel "H27R"	Load	KW (Existing)	KW (New)	Demand Factor	KW Demand
400a. MLO	Lighting	22.5	26.1	1.00	26.10
	Dock Fans	24.6	24.6	1.00	24.60
	Space Heaters	11.7	11.7	1.00	11.70
	Over-head Doors	7.2	7.2	0.80	5.76
	Conveyor Motors	2.4	5.4	0.80	4.32
	HVLS Fans	10.8	10.8	1.00	10.80
	Condensate pump	0.0	0.9	0.80	0.72
	120/208 Transformer	75.0	105.0	0.54	56.70
	TOTAL	154.2	191.7		140.70

Transformer TE6 1500KVA (Service #6)

Panel "H27A"	Load	KW (Existing)	KW (New)	Demand Factor	KW Demand
400a. MLO	Lighting	22.8	22.8	1.00	22.80
	Dock Fans	5.1	5.1	1.00	5.10
	Space Heaters	11.7	11.7	1.00	11.70
	Over-head Doors	7.2	7.2	0.80	5.76
	Conveyor Motors	5.4	5.4	0.80	4.32
	HVLS Fans	10.8	10.8	1.00	10.80
	120/208 Transformer	75.0	135.0	0.54	72.90
	TOTAL	138.0	198.0		133.38

Transformer TE1A 3000 KVA (New Service #1A)

MSB#1A	Load	KW (Existing)	KW (New)	Demand Factor	KW Demand
4000a. MCB	CP Panels	1523.10	0.80		1,218.48
	200a Panels (Process)	664.00	0.80		531.20
	Air Compressors	192.60	1.00		192.60
	DPCP	539.10	0.80		431.28
	TOTAL	2,918.80			2,373.56

VOLTAGE DROP CALCULATIONS

PANEL	CIRCUIT	VOLTAGE	PHASE	ONE WAY DISTANCE (FT)	MINIMUM WIRE SIZE (AWG)	MAXIMUM % DROP
H27R	79, 81, 83	480	3 PHASE	410	6	3%
H27A	79, 81, 83	480	3 PHASE	380	6	3%
H37R	74, 76, 78	480	3 PHASE	380	6	3%
	79, 81, 83	480	3 PHASE	470	6	3%
MSB-1	13	480	3 PHASE	950	4	5%
MSB-6	8	480	3 PHASE	950	4	5%

Panel "H32R"	Load	KW (Existing)	KW (New)	Demand Factor	KW Demand
400a. MLO	Lighting	25.2	28.9	1.00	28.90
	Dock Fans	27.3	27.3	1.00	27.30
	Over-head Doors	2.4	2.4	0.80	1.92
	HVLS Fans	7.8	10.5	1.00	10.50
	Heaters	10.0	10.0	1.00	10.00
	Condensate pump	0.0	0.9	0.80	0.72
	120/208 Transformer	105.0	105.0	0.53	55.65
	TOTAL	177.7	185.0		134.99

Panel "H32A"	Load	KW (Existing)	KW (New)	Demand Factor	KW Demand
400a. MLO	Lighting	26.3	26.3	1.00	26.30
	Dock Fans	4.5	4.5	1.00	4.50
	Over-head Doors	2.4	2.4	0.80	1.92
	HVLS Fans	12.6	12.6	1.00	12.60
	Water Heater	0.0	9.1	1.00	9.10
	120/208 Transformer	180.0	240.0	0.53	127.20
	TOTAL	225.8	294.9		181.62

Panel "H37R"	Load	KW (Existing)	KW (New)	Demand Factor	KW Demand
400a. MLO	Lighting	22.2	25.2	1.00	25.20
	Dock Fans	9.9	10.2	1.00	10.20
	Space Heaters	11.7	11.7	1.00	11.70
	Over-head Doors	4.8	4.8	0.80	3.84
	HVLS Fans	14.1	11.4	1.00	11.40
	Condensate pump	0.0	1.8	0.80	1.44
	120/208 Transformer	75.0	135.0	0.54	72.90
	TOTAL	137.7	200.1		136.68

Panel "H37A"	Load	KW (Existing)	KW (New)	Demand Factor	KW Demand
400a. MLO	Lighting	22.3	22.3	1.00	22.30
	Dock Fans	6.0	6.0	1.00	6.00
	Space Heaters	11.7	11.7	1.00	11.70
	Over-head Doors	4.8	4.8	0.80	3.84
	HVLS Fans	8.7	8.7	1.00	8.70
	Condensate pump	0.0	0.9	0.80	0.72
	120/208 Transformer	75.0	135.0	0.56	75.60
	TOTAL	128.5	189.4		128.86

MSB #1	Load	KW (Existing)	KW (New)	Demand Factor	KW Demand
2500a. MCB	Panel "H27R"	154.20	191.70	1.00	151.70
	Panel "H32R"	177.70	185.00	1.00	185.00
	Panel "H37R"	137.70	200.10	1.00	200.10
	Panel "HOL1"	84.70	84.70	1.00	84.70
	ATOs	0.00	992.70	0.80	794.16
	TOTAL	554.30	1,654.20		1,495.66

Panel "HE5"	Load	KW (Existing)	KW (New)	Demand Factor	KW Demand
400a. MLO	Lighting	26.3	26.3	1.00	22.20
	Panel "HE6"	26.0	27.3	1.00	27.30
	TOTAL	52.3	53.6		49.50

Panel "HE6"	Load	KW (Existing)	KW (New)	Demand Factor	KW Demand
400a. MLO	Lighting	26.0	27.3	1.00	22.20
	TOTAL	26.0	27.3		22.20

MSB #6	Load	KW (Existing)	KW (New)	Demand Factor	KW Demand
2500a. MCB	Panel "H27A"	138.00	198.00	1.00	125.97
	Panel "H32A"	225.80	294.90	1.00	125.97
	Panel "H37A"	128.50	189.40	1.00	135.90
	Panel "HGH"	32.40	32.40	1.00	32.40
	Panel "HOL4"	84.70	84.70	1.00	84.70
	Panel "HE5"	52.30	53.60	1.00	69.70
	ATOs	0.00	992.70	0.80	794.16
	TOTAL	661.70	1,845.70		1,368.80



Warning: It is a violation of the law for any person, unless acting under the direction of a licensed architect/engineer, to alter an item in any way.

No.	Date	Description
B	09/27/2019	ISSUE FOR PERMIT

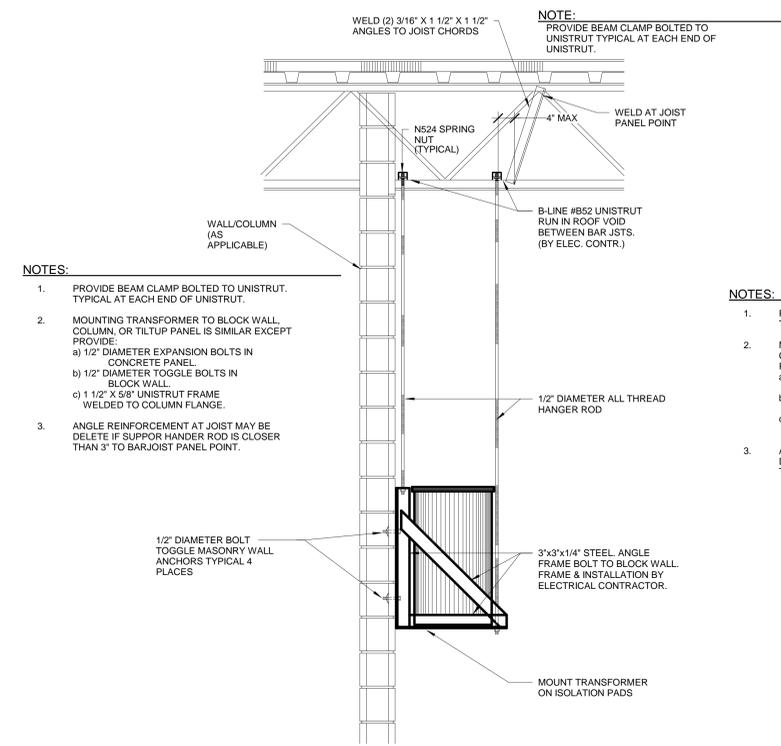
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SCALE: As Indicated
 PROJECT: BUILDING IMPROVEMENTS FOR MHE UPGRADES
ROSS DISTRIBUTION CENTER
 SHAFTER, CA
 SHEET TITLE: VOLTAGE DROP CALCULATIONS

PROJECT NUMBER: 19034
 SHEET NUMBER: **2E-0.2**
 PLOT DATE: 9/26/2019 11:28:54 AM

2 - LUMINAIRE SCHEDULE					
TYPE MARK	LAMPS	VOLTAGE	MOUNTING	FINISH	SPECIFICATIONS
D	LED	277	RECESSED	STANDARD	RECESSED LED COLUMBIA 4L-CAT24-35LWG-ED14-C588
E	LED	277	SURFACE MOUNTED UNDER MEZZANINE	STANDARD	LCS8-40HL-EDU 8 FT STRIP LIGHT

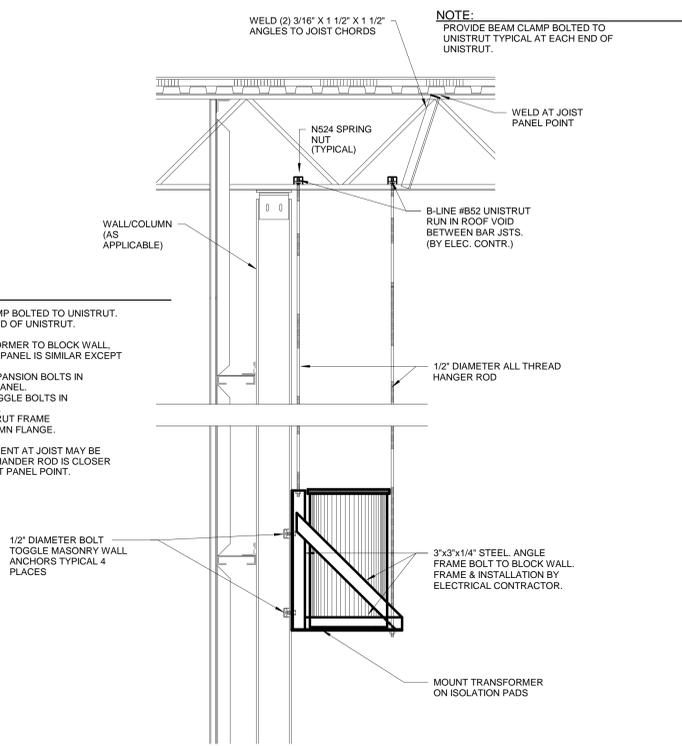


- NOTES:**
1. PROVIDE BEAM CLAMP BOLTED TO UNISTRUT. TYPICAL AT EACH END OF UNISTRUT.
 2. MOUNTING TRANSFORMER TO BLOCK WALL, COLUMN, OR TILTUP PANEL IS SIMILAR EXCEPT PROVIDE:
 - a) 1/2" DIAMETER EXPANSION BOLTS IN CONCRETE PANEL.
 - b) 1/2" DIAMETER TOGGLE BOLTS IN BLOCK WALL.
 - c) 1 1/2" X 5/8" UNISTRUT FRAME WELDED TO COLUMN FLANGE.
 3. ANGLE REINFORCEMENT AT JOIST MAY BE DELETE IF SUPPOR HANDED ROD IS CLOSER THAN 3" TO BAR/JOIST PANEL POINT.

SPECIAL NOTE:
DETAIL APPLIES TO TRANSFORMERS 75 KVA AND SMALLER

TRANSFORMER MOUNTING DETAIL (TO CONCRETE BLOCK WALL)

SCALE: 1/2"=1'-0"

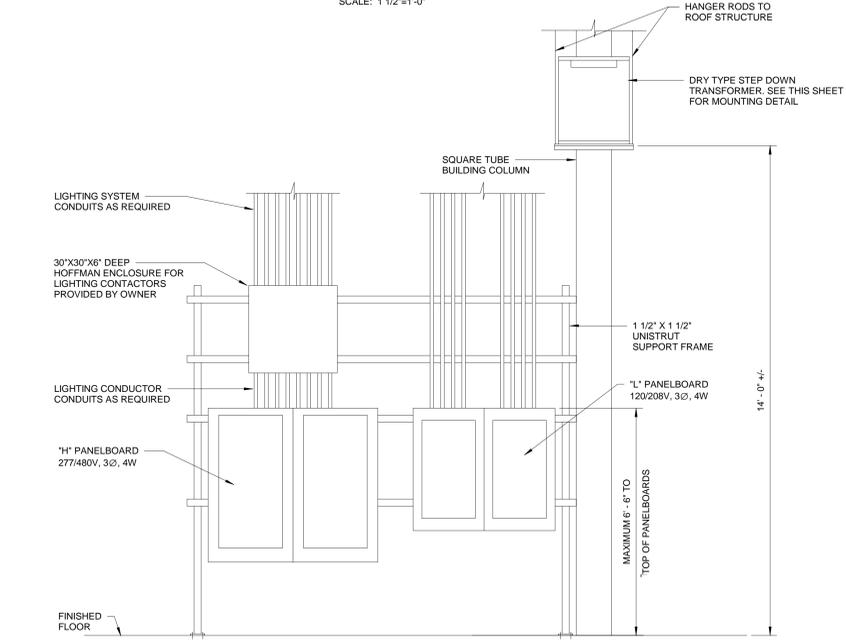


- NOTES:**
1. PROVIDE BEAM CLAMP BOLTED TO UNISTRUT. TYPICAL AT EACH END OF UNISTRUT.
 2. MOUNTING TRANSFORMER TO BLOCK WALL, COLUMN, OR TILTUP PANEL IS SIMILAR EXCEPT PROVIDE:
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 - c) 1 1/2" X 5/8" UNISTRUT FRAME WELDED TO COLUMN FLANGE.
 3. ANGLE REINFORCEMENT AT JOIST MAY BE DELETE IF SUPPOR HANDED ROD IS CLOSER THAN 3" TO BAR/JOIST PANEL POINT.

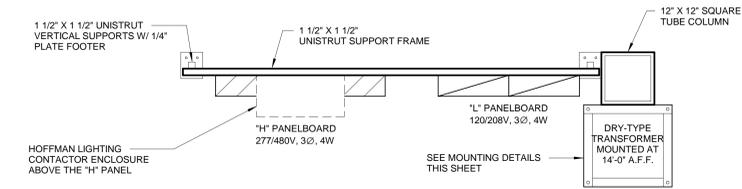
SPECIAL NOTE:
DETAIL APPLIES TO TRANSFORMERS 75 KVA AND SMALLER

TRANSFORMER MOUNTING DETAIL (TO BUILDING COLUMN)

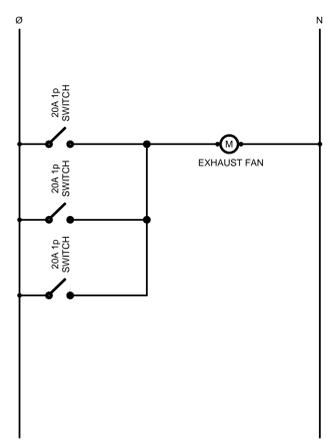
SCALE: 1/2"=1'-0"



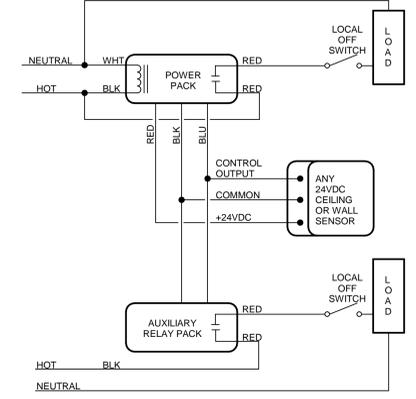
PANELBOARD MOUNTING DETAIL (ELEVATION)



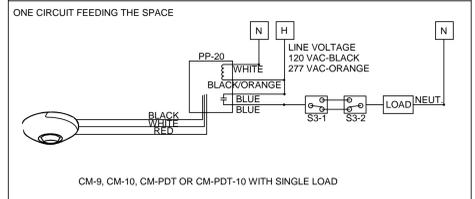
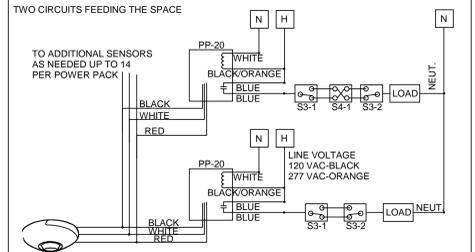
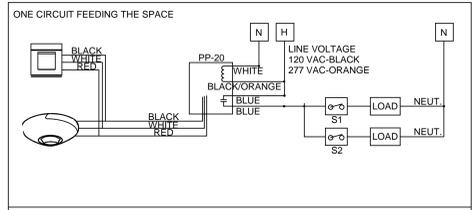
PANELBOARD MOUNTING DETAIL (PLAN)



120V EXHAUST FAN CONTROL



TWO CIRCUIT OR TWO LOAD SENSOR CONTROL



OFFICE MOTION SENSOR LIGHTING CONTROL WIRING DIAGRAMS

NO SCALE

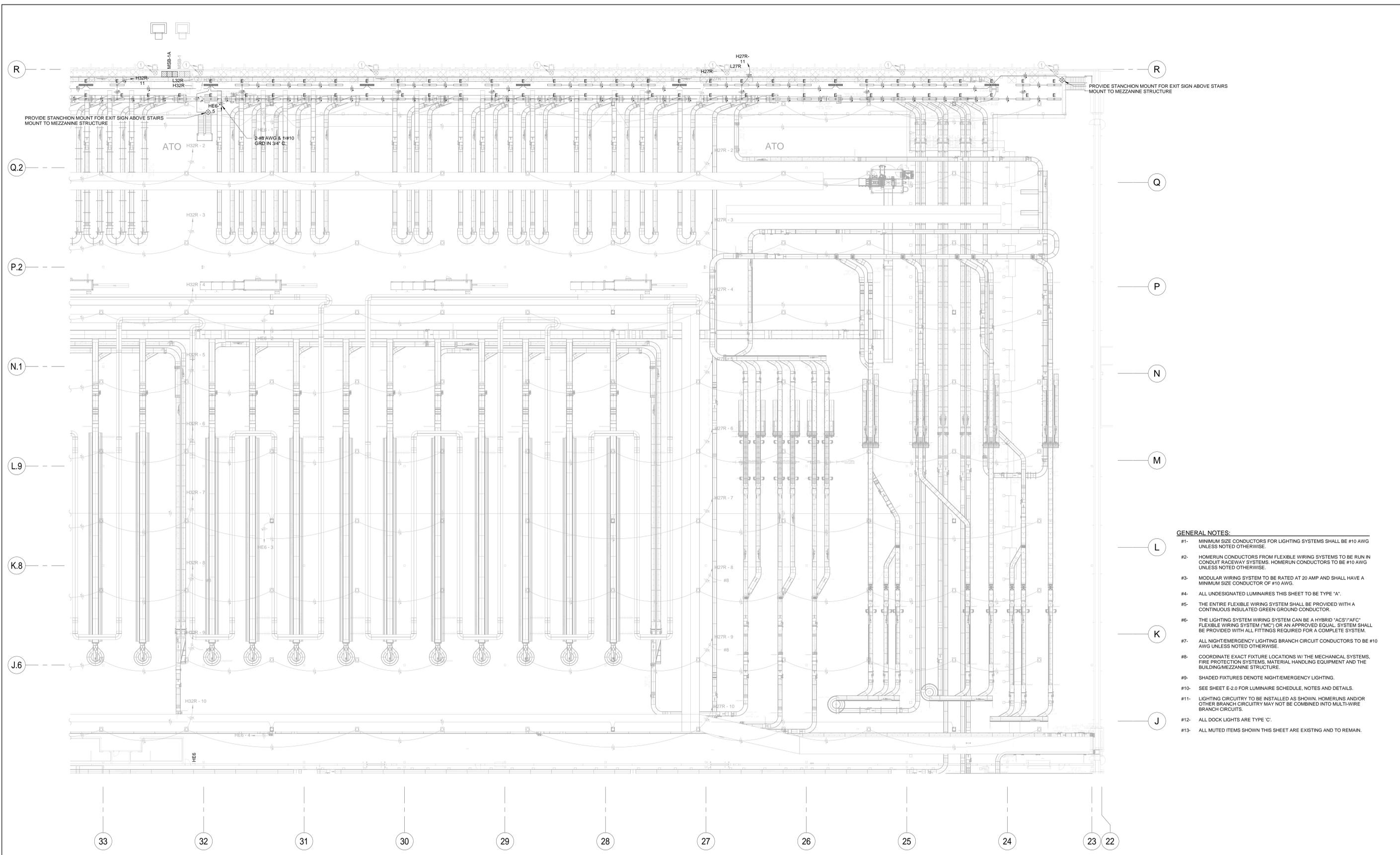


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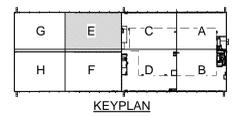
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SCALE	PROJECT	PROJECT NUMBER
As Indicated	BUILDING IMPROVEMENTS FOR MHE UPGRADES	19034
DRAWN A/E PM	ROSS DISTRIBUTION CENTER	SHEET NUMBER
Author Checker Approver	SHAFTER, CA	2E-2.0
SHEET TITLE	LUMINAIRE SCHEDULE, NOTES, AND DETAILS	PLOT DATE
		9/26/2019 11:28:55 AM



- GENERAL NOTES:**
- #1- MINIMUM SIZE CONDUCTORS FOR LIGHTING SYSTEMS SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
 - #2- HOMERUN CONDUCTORS FROM FLEXIBLE WIRING SYSTEMS TO BE RUN IN CONDUIT RACEWAY SYSTEMS. HOMERUN CONDUCTORS TO BE #10 AWG UNLESS NOTED OTHERWISE.
 - #3- MODULAR WIRING SYSTEM TO BE RATED AT 20 AMP AND SHALL HAVE A MINIMUM SIZE CONDUCTOR OF #10 AWG.
 - #4- ALL UNDESIGNATED LUMINAIRES THIS SHEET TO BE TYPE 'A'.
 - #5- THE ENTIRE FLEXIBLE WIRING SYSTEM SHALL BE PROVIDED WITH A CONTINUOUS INSULATED GREEN GROUND CONDUCTOR.
 - #6- THE LIGHTING SYSTEM WIRING SYSTEM CAN BE A HYBRID 'ACS/AFC' FLEXIBLE WIRING SYSTEM (M/C) OR AN APPROVED EQUAL. SYSTEM SHALL BE PROVIDED WITH ALL FITTINGS REQUIRED FOR A COMPLETE SYSTEM.
 - #7- ALL NIGHT/EMERGENCY LIGHTING BRANCH CIRCUIT CONDUCTORS TO BE #10 AWG UNLESS NOTED OTHERWISE.
 - #8- COORDINATE EXACT FIXTURE LOCATIONS W/ THE MECHANICAL SYSTEMS, FIRE PROTECTION SYSTEMS, MATERIAL HANDLING EQUIPMENT AND THE BUILDING/MEZZANINE STRUCTURE.
 - #9- SHADED FIXTURES DENOTE NIGHT/EMERGENCY LIGHTING.
 - #10- SEE SHEET E-2.0 FOR LUMINAIRE SCHEDULE, NOTES AND DETAILS.
 - #11- LIGHTING CIRCUITRY TO BE INSTALLED AS SHOWN. HOMERUNS AND/OR OTHER BRANCH CIRCUITRY MAY NOT BE COMBINED INTO MULTI-WIRE BRANCH CIRCUITS.
 - #12- ALL DOCK LIGHTS ARE TYPE 'C'.
 - #13- ALL MUTED ITEMS SHOWN THIS SHEET ARE EXISTING AND TO REMAIN.

2 - ENLARGED AREA E LIGHTING PLAN
1" = 20'-0"



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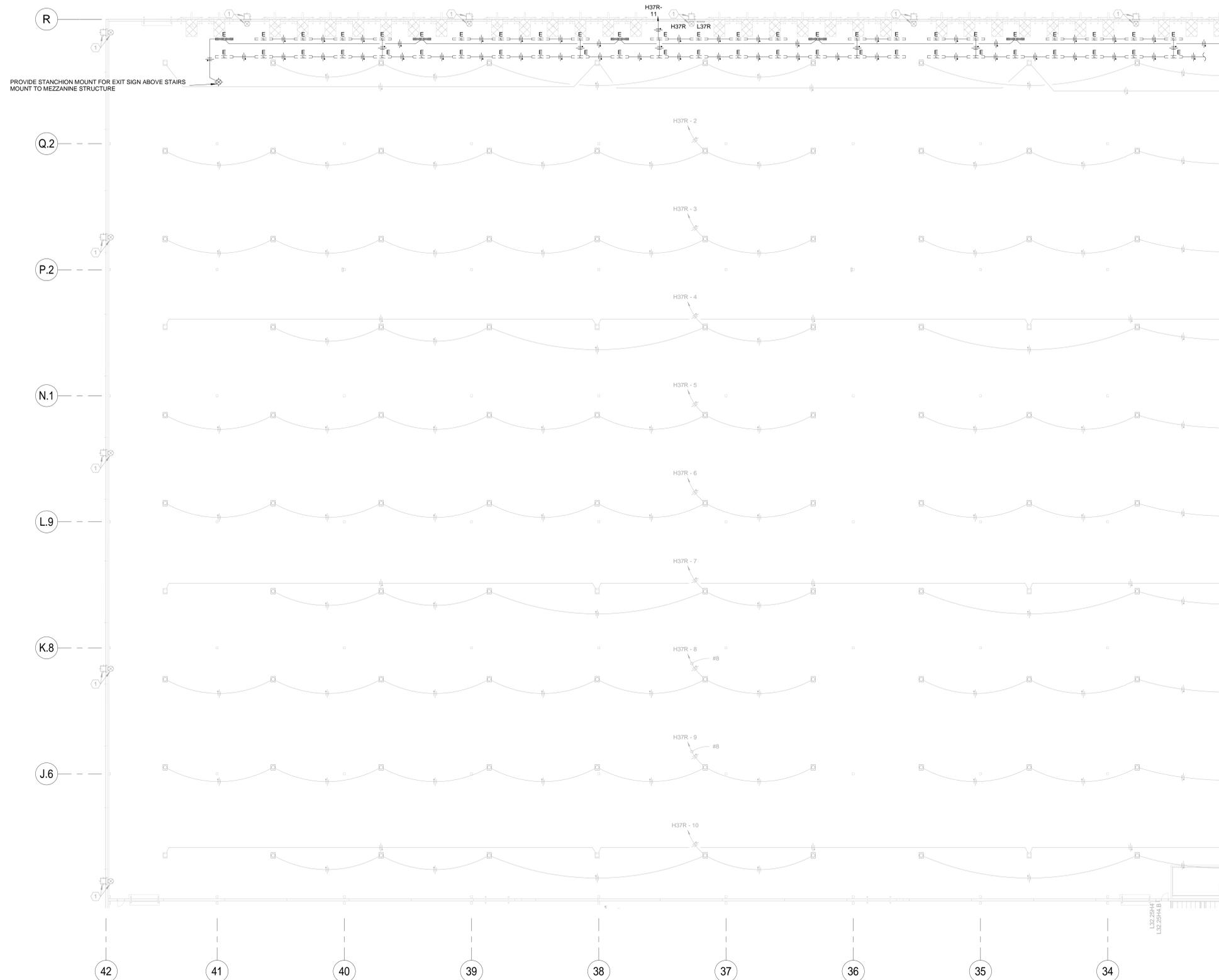
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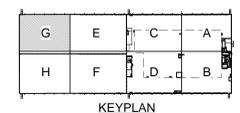
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ROSS DISTRIBUTION CENTER
SHAFTER, CA
ENLARGED AREA 'E' LIGHTING PLAN

PROJECT NUMBER	19034
SHEET NUMBER	2E-2.6
PLOT DATE	9/26/2019 11:29:57 AM



- GENERAL NOTES:**
- #1- MINIMUM SIZE CONDUCTORS FOR LIGHTING SYSTEMS SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
 - #2- HOMERUN CONDUCTORS FROM FLEXIBLE WIRING SYSTEMS TO BE RUN IN CONDUIT RACEWAY SYSTEMS. HOMERUN CONDUCTORS TO BE #10 AWG UNLESS NOTED OTHERWISE.
 - #3- MODULAR WIRING SYSTEM TO BE RATED AT 20 AMP AND SHALL HAVE A MINIMUM SIZE CONDUCTOR OF #10 AWG.
 - #4- ALL UNDESIGNATED LUMINAIRES THIS SHEET TO BE TYPE "A".
 - #5- THE ENTIRE FLEXIBLE WIRING SYSTEM SHALL BE PROVIDED WITH A CONTINUOUS INSULATED GREEN GROUND CONDUCTOR.
 - #6- THE LIGHTING SYSTEM WIRING SYSTEM CAN BE A HYBRID "ACS"/"AFC" FLEXIBLE WIRING SYSTEM ("MC") OR AN APPROVED EQUAL SYSTEM SHALL BE PROVIDED WITH ALL FITTINGS REQUIRED FOR A COMPLETE SYSTEM.
 - #7- ALL NIGHT/EMERGENCY LIGHTING BRANCH CIRCUIT CONDUCTORS TO BE #10 AWG UNLESS NOTED OTHERWISE.
 - #8- COORDINATE EXACT FIXTURE LOCATIONS W/ THE MECHANICAL SYSTEMS, FIRE PROTECTION SYSTEMS, MATERIAL HANDLING EQUIPMENT AND THE BUILDING/MEZZANINE STRUCTURE.
 - #9- SHADED FIXTURES DENOTE NIGHT/EMERGENCY LIGHTING & ARE TYPE "AE".
 - #10- SEE SHEET E-2.0 FOR LUMINAIRE SCHEDULE, NOTES AND DETAILS.
 - #11- LIGHTING CIRCUITRY TO BE INSTALLED AS SHOWN. HOMERUNS AND/OR OTHER BRANCH CIRCUITRY MAY NOT BE COMBINED INTO MULTI-WIRE BRANCH CIRCUITS.
 - #12- ALL DOCK LIGHTS ARE TYPE "C".

2 - ENLARGED AREA G LIGHTING PLAN
1" = 20'-0"



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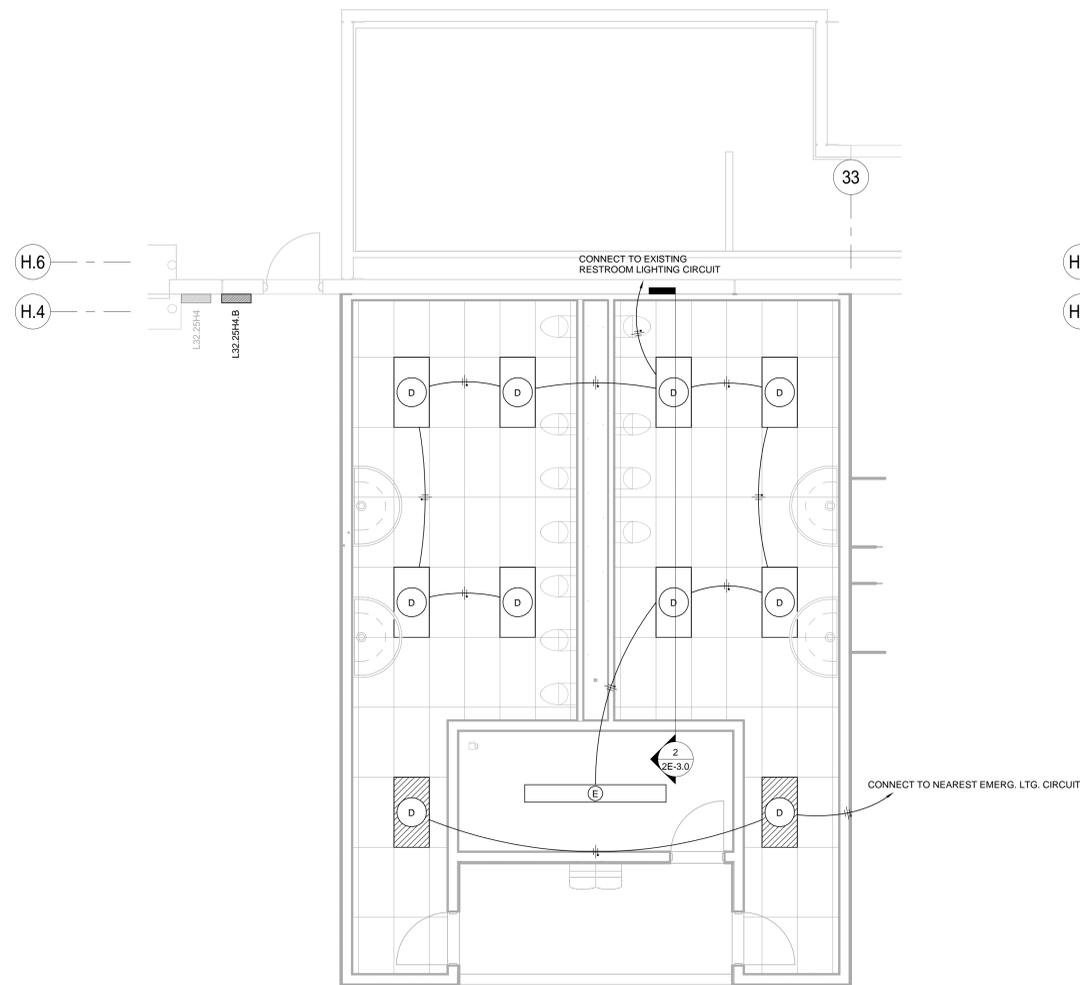
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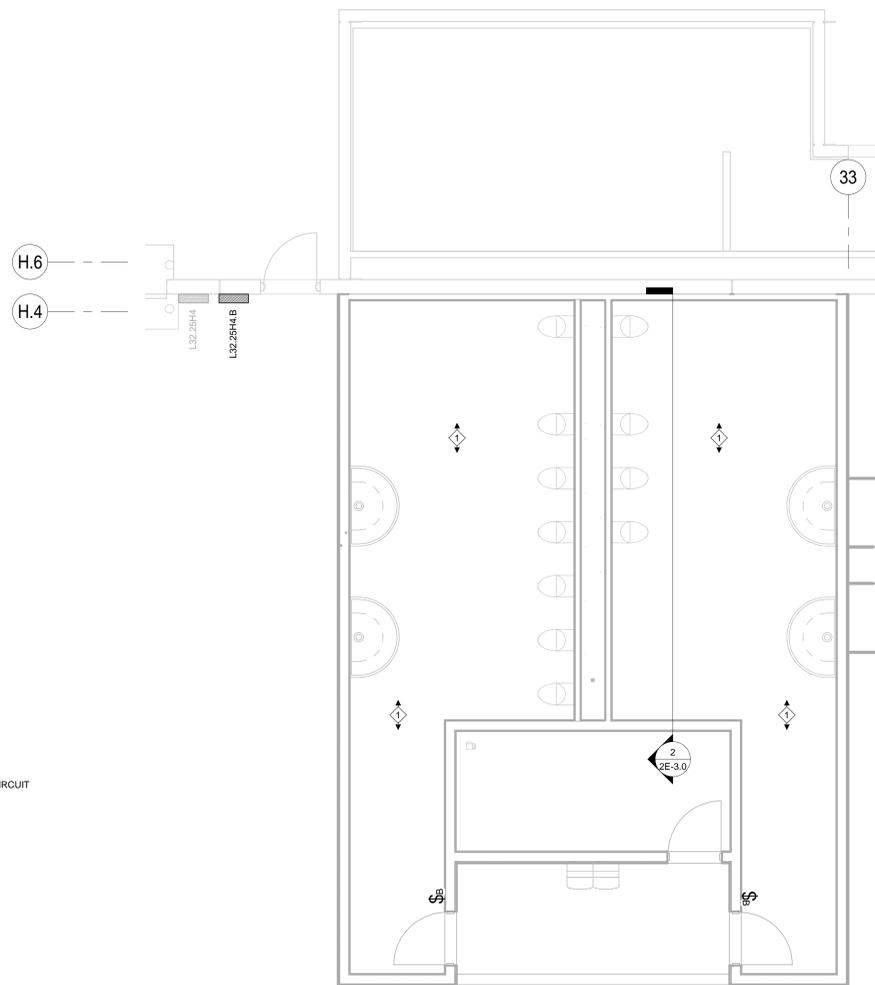
PROJECT BUILDING IMPROVEMENTS FOR MHE UPGRADES
ROSS DISTRIBUTION CENTER
SHAFTER, CA
ENLARGED AREA 'G' LIGHTING PLAN

PROJECT NUMBER	19034
SHEET NUMBER	2E-2.8
PLOT DATE	9/26/2019 11:31:43 AM





2 - ENLARGED RESTROOM LIGHTING PLAN
1/4" = 1'-0"

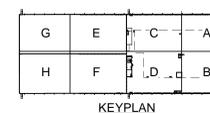


2 - ENLARGED RESTROOM LIGHTING CONTROLS PLAN
1/4" = 1'-0"

GENERAL NOTES:

- #1- MINIMUM SIZE CONDUCTORS FOR LIGHTING SYSTEMS SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
- #2- HOMERUN CONDUCTORS FROM FLEXIBLE WIRING SYSTEMS TO BE RUN IN CONDUIT RACEWAY SYSTEMS. HOMERUN CONDUCTORS TO BE #10 AWG UNLESS NOTED OTHERWISE.
- #3- MODULAR WIRING SYSTEM TO BE RATED AT 20 AMP AND SHALL HAVE A MINIMUM SIZE CONDUCTOR OF #10 AWG.
- #4- THE ENTIRE FLEXIBLE WIRING SYSTEM SHALL BE PROVIDED WITH A CONTINUOUS INSULATED GREEN GROUND CONDUCTOR.
- #5- THE LIGHTING SYSTEM WIRING SYSTEM CAN BE A HYBRID 'ACS'/AFC' FLEXIBLE WIRING SYSTEM ('MC') OR AN APPROVED EQUAL SYSTEM SHALL BE PROVIDED WITH ALL FITTINGS REQUIRED FOR A COMPLETE SYSTEM.
- #6- ALL NIGHT/EMERGENCY LIGHTING BRANCH CIRCUIT CONDUCTORS TO BE #10 AWG UNLESS NOTED OTHERWISE.
- #7- COORDINATE EXACT FIXTURE LOCATIONS W/ THE MECHANICAL SYSTEMS, FIRE PROTECTION SYSTEMS, MATERIAL HANDLING EQUIPMENT AND THE BUILDING/MEZZANINE STRUCTURE.
- #8- SHADED FIXTURES DENOTE NIGHT/EMERGENCY LIGHTING.
- #9- SEE SHEET E-2.0 FOR LUMINAIRE SCHEDULE, NOTES AND DETAILS.
- #10- LIGHTING CIRCUITRY TO BE INSTALLED AS SHOWN. HOMERUNS AND/OR OTHER BRANCH CIRCUITRY MAY NOT BE COMBINED INTO MULTI-WIRE BRANCH CIRCUITS.
- #11- EVERY EFFORT HAS BEEN MADE ON THE PART OF THE MANUFACTURER TO INDICATE THE PROPER SELECTION OF THE PRODUCT AND MOUNTING LOCATIONS. FINAL DETERMINATION OF CIRCUITING, VOLTAGE, AND QUANTITY OF POWER PACKS REQUIRED, AND SETTING OF SENSITIVITY/TIME ADJUSTMENTS ARE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR AND/OR COMMISSIONING AGENT. MANUFACTURERS INSTALLATION INSTRUCTIONS SHOULD BE ADHERED TO.
- #12- ALL SENSOR LOCATIONS ARE APPROXIMATE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.
- #13- ULTRASONIC CEILING MOUNT SENSORS REQUIRE THEY BE LOCATED NO CLOSER THAN 6" FROM AIR SUPPLY/RETURN REGISTERS.
- #14- CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS AND MANUFACTURERS RECOMMENDED PLACEMENT. FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT.
- #15- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF REQUIRED NUMBER OF POWER PACKS.
- #16- ONE POWER PACK IS REQUIRED FOR EACH CIRCUIT THAT IS TO CONTROLLED.
- #17- DEPENDING ON THE TYPE OF SENSOR UP TO 3 SENSORS CAN BE WIRED IN PARALLEL TO A SINGLE POWER PACK.

SUPPLEMENTARY LEGEND	
$\$B$	DENOTES SWITCHES) FOR BI-LEVEL SWITCHING. CONNECT ALTERNATE FIXTURES ROWS. PROVIDE AS MANY SWITCHES AS REQUIRED BY NUMBER OF CIRCUITS.
\diamond	WATTSTOPPER MODEL #WT-1100 (CEILING MOTION)
T_s	WATTSTOPPER MODEL #TS-400 (TIMER SWITCH)



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PROJECT BUILDING IMPROVEMENTS FOR MHE UPGRADES
ROSS DISTRIBUTION CENTER
SHAFTER, CA
ENLARGED RESTROOM LIGHTING AND CONTROLS PLAN

PROJECT NUMBER	19034
SHEET NUMBER	2E-2.10
PLOT DATE	9/26/2019 11:29:32 AM



SYMBOL SCHEDULE

SYMBOL	DESCRIPTION	NOTES
	MOTOR CONNECTION (NUMBER IN CENTER INDICATES HORSEPOWER)	
	DUPLEX 20A 125V RECEPTACLE. INSTALL @ 1'-6" A.F.F. IN FINISHED AREAS AND @ 4'-0" IN UNFINISHED AREAS.	2
	DUPLEX 20A 125V RECEPTACLE. INSTALL @ ROOF DECKING FOR SECURITY CAMERA	
	QUAD (2-DUPLEXES UNDER 1 COVER) 20A 125V RECEPTACLE. INSTALL @ 1'-6" A.F.F. IN FINISHED AREAS.	2
	SINGLE 30A 125V RECEPTACLE. INSTALL @ 1'-6" A.F.F. IN FINISHED AREAS AND @ 4'-0" IN UNFINISHED AREAS.	2
	20 AMP 208 VOLT 1Ø RECEPTACLE. INSTALL @ 1'-6" A.F.F.	2
	3Ø 3W WELDING OUTLET. SEE PLAN FOR AMPERAGE	2
	EMPTY 2' X 4' J-BOX W 3/4" CONDUIT STUBBED INTO CEILING SPACE OR BAR JOIST AREA. INSTALL @ 1'-6" A.F.F.	2
	TELEPHONE OUTLET W 3/4" CONDUIT STUBBED INTO CEILING SPACE. INSTALL @ 1'-6" A.F.F.	2
	TELEPHONE/DATA OUTLET W 3/4" CONDUIT STUB INTO CEILING SPACE OR BAR JOIST AREA. INSTALL @ 1'-6" A.F.F.	2
	SPST 20A 125V OR 277V WALL SWITCH. INSTALL @ 44" A.F.F.	1
	DPST 20A 125V OR 277V WALL SWITCH. INSTALL @ 44" A.F.F.	1
	20A 125V OR 277V 3 WAY WALL SWITCH. INSTALL @ 44" A.F.F.	1
	20A 125V OR 277V 4WAY WALL SWITCH. INSTALL @ 44" A.F.F.	1
	SPST 20A 125V WALL SWITCH WITH PILOT LIGHT. INSTALL @ 44" A.F.F.	1
	480V, 3Ø SPEED CONTROLLER FOR HVLSF (BAF) FANS. INSTALL @ 44" A.F.F.	1
	ENCLOSED 30A 3PST 600 VOLT SWITCH W/LOCKOUT DEVICE	
	REMOTE PUSH BUTTON CONTROL STATION WITH PILOT LIGHT.	
	3Ø MANUAL MOTOR STARTER WITH PILOT LIGHT.	
	3Ø MANUAL MOTOR STARTER WITH REMOTE CONTROL STATION.	
	3Ø MANUAL MOTOR STARTER AND DISCONNECT SWITCH.	
	SAFETY DISCONNECT SWITCH. NF (NON-FUSED)	
	THERMOSTAT. 2" X 4" J-BOX W 3/4" CONDUIT STUBBED INTO CEILING SPACE OR BAR JOIST AREA. INSTALL @ 44" A.F.F.	1
	HUMIDISTAT. 2" X 4" J-BOX W 3/4" CONDUIT STUBBED INTO CEILING SPACE OR ROOF JOIST AREA. INSTALL @ 44" A.F.F.	1
	CO2 SENSOR. 2" X 4" J-BOX W 3/4" CONDUIT STUBBED INTO CEILING SPACE. INSTALL @ 44" A.F.F.	1
	JUNCTION OR PULLBOX. SIZE AS REQUIRED.	
	PHOTO ELECTRIC CELL LIGHTING CONTROL MOUNTED ON ROOF.	
	DRY TYPE TRANSFORMER 1Ø OR 3Ø. SIZE AS NOTED ON THE PLANS.	
	CEILING MOUNTED LOCATION FOR TELEVISION OUTLET WITH 3/4" EMPTY CONDUIT. VERIFY EXACT LOCATION.	
	CARD READER.	1
	EMPTY 2' X 4' J-BOX W 1/2" CONDUIT STUBBED INTO CEILING SPACE. INSTALL @ 44" A.F.F.	1
	DOOR SECURITY POWER SUPPLY BY OTHER.	
	L' PANEL. 120/208V. 3Ø, 4W LOW VOLTAGE LIGHTING AND POWER DISTRIBUTION PANEL.	
	H' PANEL 277/480V. 3Ø, 4W LIGHTING AND POWER DISTRIBUTION PANEL.	
	3Ø, 3W PLUG IN BUS DUCT. SIZE AS NOTED ON PLANS.	
	3Ø, BUS PLUG. SIZE AND FUSE AS NOTED ON PLANS.	
	RACEWAY WITH CONDUCTORS RUN CONCEALED IN FLOOR SLAB, IN WALLS OR IN EARTH.	
	RACEWAY WITH CONDUCTORS RUN EXPOSED. RUN PARALLEL AND AT RIGHT ANGLES TO BUILDING STRUCTURE.	
	RACEWAY FOR TELEPHONE CABLES INSTALLED BY TELEPHONE COMPANY.	
	BARE GROUND CONDUCTOR UNDERGROUND. SIZE AS NOTED ON PLANS.	
	RACEWAY WITH CONDUCTORS RUN CONCEALED ABOVE CEILING, IN WALLS OR IN FURRED SPACES.	
	INSULATED GREEN GROUND CONDUCTOR. SAME SIZE AS PHASE WIRE UNLESS NOTED.	
	3/4" x 10" GROUND ROD WITH #3Ø JUMPER	
	ABOVE FINISHED FLOOR	
	ABOVE FINISHED GRADE	
	WEATHER PROOF	
	ELECTRIC SOLENOID VALVE	
	EXHAUST FAN	
	FULL LOAD AMPS	
	SPACE HEATER	
	ROOF TOP HEATING AND AIR CONDITIONING UNIT	
	COMPUTER ROOM HEATING AND AIR CONDITIONING UNIT	
	CONDENSING UNIT	
	SUPPLY FAN	
	FIRE ALARM CONTROL PANEL	
	UNIT HEATER (GAS FIRED UNLESS NOTED)	
	ELECTRIC UNIT HEATER	
	TIME CLOCK	
	SECURITY CAMERA	
	WATER HEATER	
	GROUND FAULT INTERRUPT	
	HAND DRYER	
	ELECTRIC WATER COOLER	
	FIRE ALARM SYSTEM HORN/STROBE POWER SUPPLY	
	SMOKE DAMPER	
	RADIO FREQUENCY ANTENNA	
	AUTOMATED TELLER MACHINE	
	INDEPENDENT GROUND	
	SPACE HEATER CONTROL UNIT. VERIFY LOCATION	
	AVAILABLE FAULT CURRENT	
	SPRINKLER RISER BELL	
	FIRE ALARM DEVICE. SEE 5 SERIES FOR DETAILS	
	VENDING	

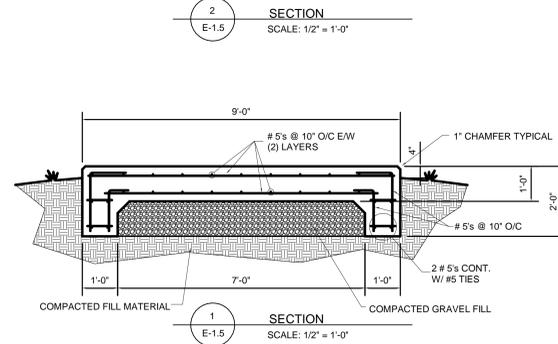
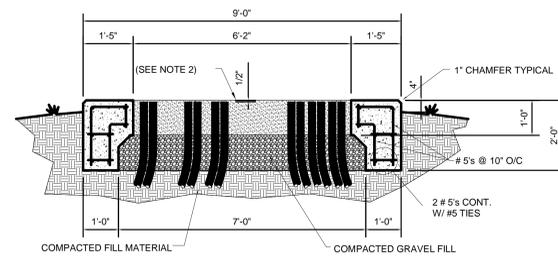
NOTES: THIS IS A STANDARD SYMBOLS SCHEDULE. ALL SYMBOLS SHOWN ON THIS SCHEDULE MAY NOT APPEAR IN THIS SET OF DRAWINGS.

SYMBOL LEGEND REFERENCED NOTES

- THE 2010 CALIFORNIA BUILDING CODE, SECTION 1117B.6, ITEM #5.1 NOW REQUIRES CONTROLS AND SWITCHES INTENDED TO BE USED BY OCCUPANTS OF THE ROOM OR AREA TO BE LOCATED:
 - NO MORE THAN 48 INCHES, MEASURED FROM THE TOP OF THE OUTLET BOX, AND;
 - NO LESS THAN 15 INCHES, MEASURED FROM THE BOTTOM OF THE OUTLET BOX, TO THE LEVEL OF THE FINISHED FLOOR OR WORKING PLATFORM.
- THE 2010 CALIFORNIA BUILDING CODE, SECTION 1117B.6, ITEM #5.2 NOW REQUIRES ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES TO BE LOCATED:
 - NO MORE THAN 48 INCHES, MEASURED FROM THE TOP OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING, AND;
 - NO LESS THAN 15 INCHES, MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING, TO THE LEVEL OF THE FINISHED FLOOR OR WORKING PLATFORM.

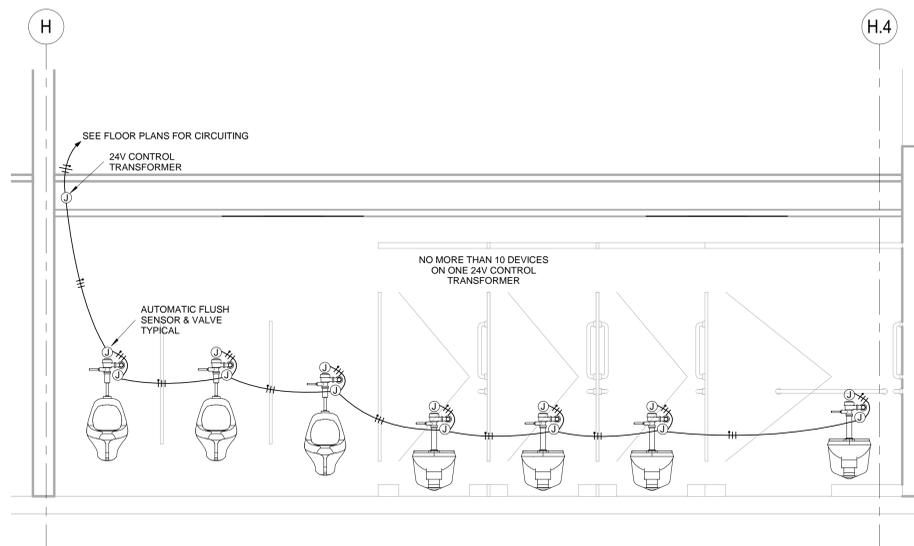
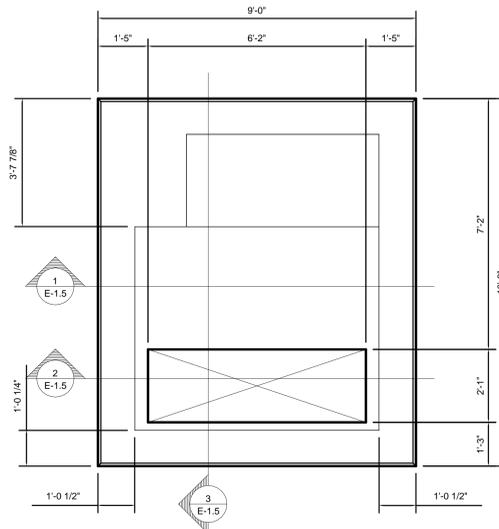
OVERALL POWER NOTES

- ELECTRICAL SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, CONDUIT BANKS, ETC. SHALL BE SEISMICALLY BRACED WITH AN IMPORTANCE FACTOR OF 1.5 IN ALL CALCULATIONS FOR BRACING MEMBERS, ANCHORS, BOLTS, ETC.
- VERIFY EXACT LOCATION AND POINTS OF CONNECTION TO ALL MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR BEFORE CONDUIT ROUGH-IN.
- ELECTRICAL CONTRACTOR SHALL INSTALL ALL BRANCH CIRCUITS AS DIAGRAMMED ON PLANS. MULTIWIRED BRANCH CIRCUITS SHALL NOT BE ALLOWED.
- ALL SWITCHBOARDS, PANELBOARDS, DISCONNECTS AND ALL OTHER ELECTRICAL EQUIPMENT, CONDUCTORS, CONDUIT, ETC. SHALL BE LISTED AND SO LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.



DETAIL NOTES:

- CONCRETE SHALL BE AIR-ENTRAINED WITH CEMENT MIX FOR 3500 PSI CAPACITY.
- CONDUIT TO BE LOCATED NOT MORE THAN 1/2" FROM TOP SURFACE OF PAD.
- VERIFY PAD DIMENSIONS, OPENINGS AND PRIMARY CONDUIT ROUGH-IN WITH MANUFACTURER'S SHOP DRAWINGS PRIOR TO CONSTRUCTION.



DETAIL NOTES

COORDINATE INSTALLATION OF ALL RESTROOM SENSOR SYSTEMS W/ THE MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE JUNCTION BOXES AND MC CABLE FOR ALL DEVICES. EC TO INSTALL AND CONNECT MC FURNISHED SINK, URINAL, AND WATER CLOSET SENSORS, TRANSFORMERS AND SOLENOID VALVES. VERIFY EXACT LOCATION AND QUANTITY OF SENSORS, SOLENOIDS AND CONTROL TRANSFORMERS.

RESTROOM SENSORS SECTION

1/2" = 1'-0"



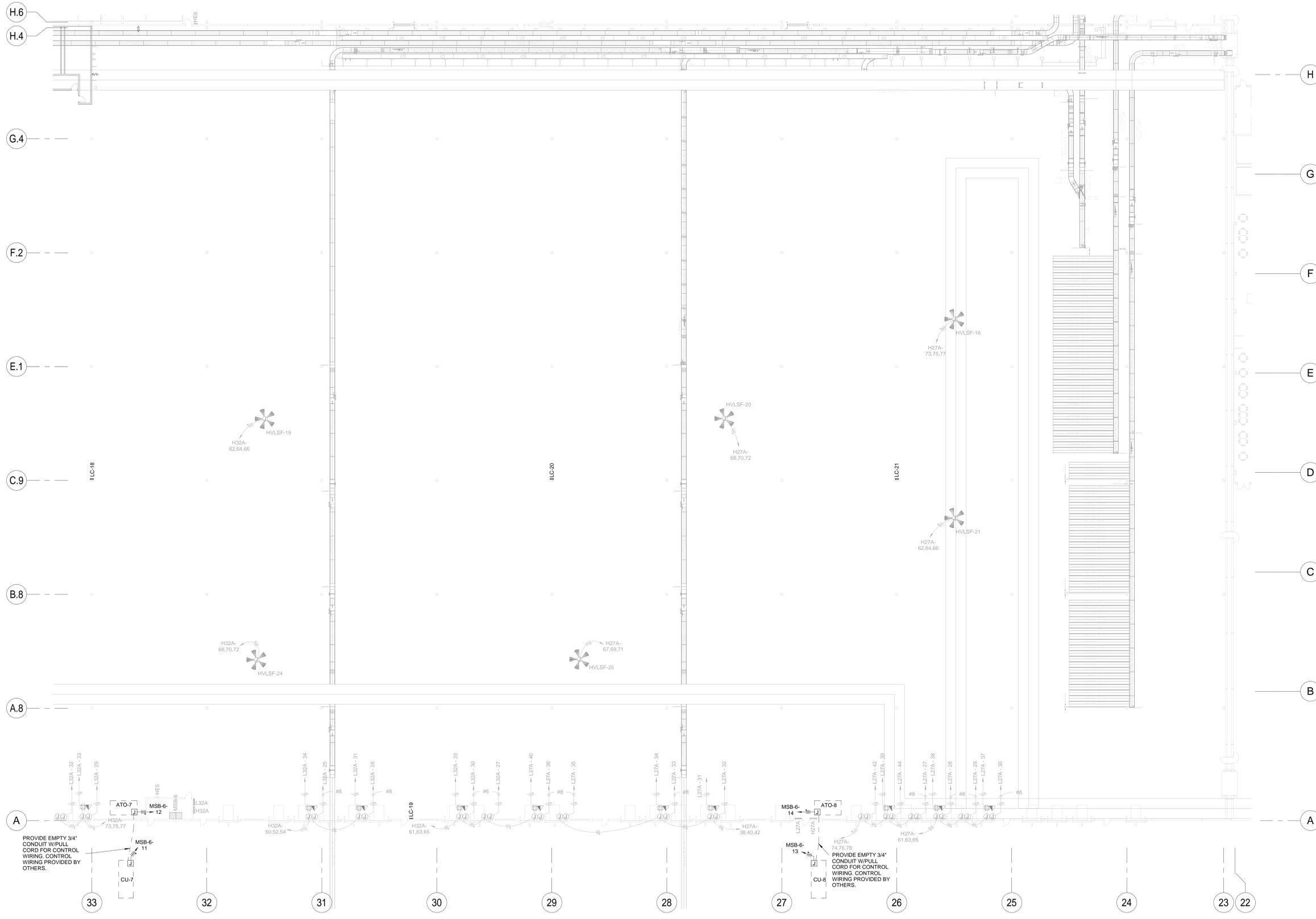
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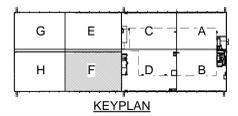
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AUTHOR: Checker Approver	SHAFTER, CA	PLOT DATE: 9/26/2019 11:54:52 AM
SHEET TITLE: POWER NOTES AND DETAILS		



GENERAL NOTES
 #1- REFER TO ONE-LINE DIAGRAMS SHEET 2E-4.1, 2E-4.1A & 2E-4.2 FOR ATO & CU FEEDER REQUIREMENTS.

2 - ENLARGED AREA F POWER PLAN
 1" = 20'-0"



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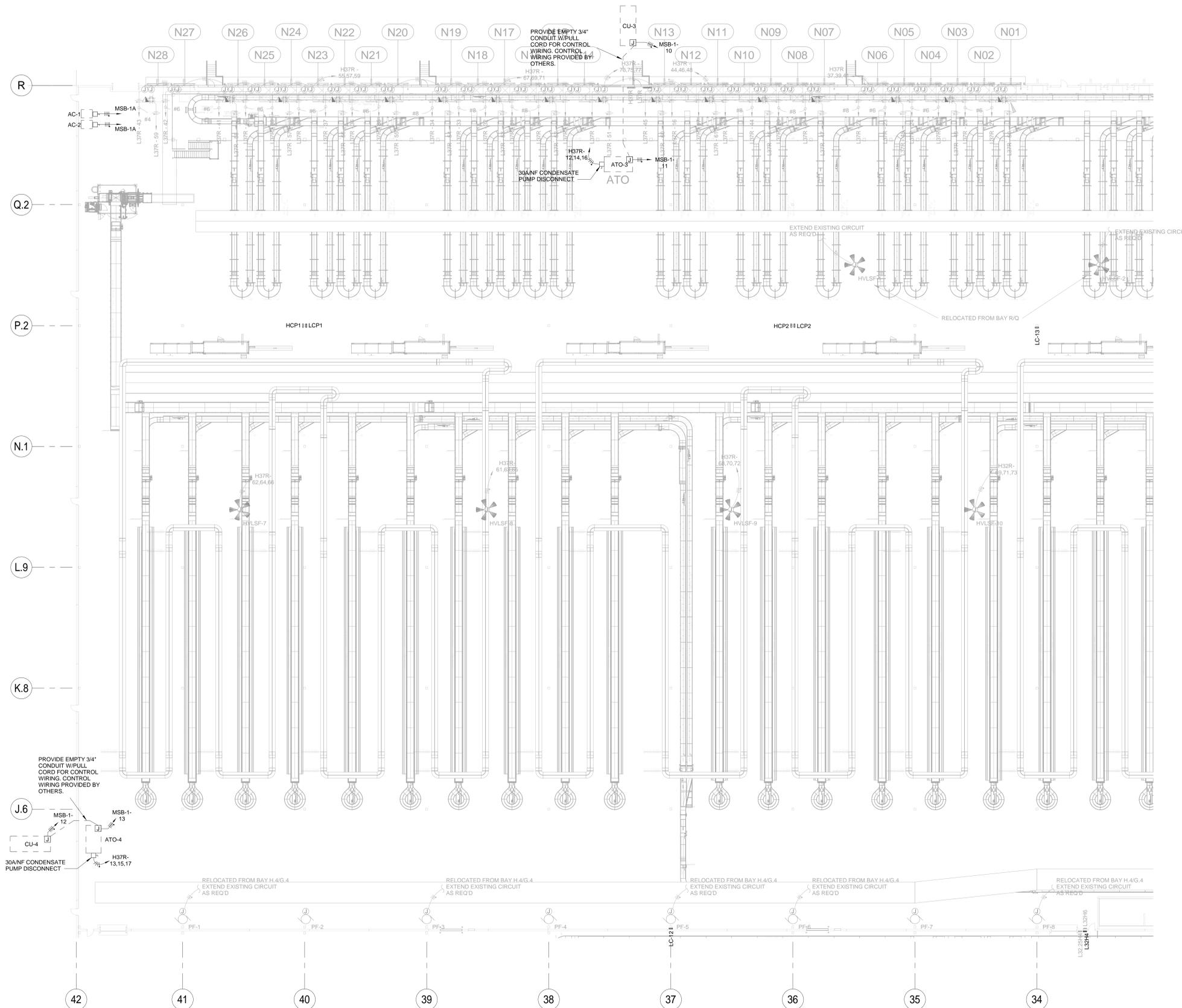
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DRAWN	A/E PM
Author	Checker Approver
SHEET TITLE	

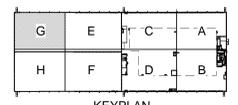
PROJECT BUILDING IMPROVEMENTS FOR MHE UPGRADES
ROSS DISTRIBUTION CENTER
 SHAFTER, CA
ENLARGED AREA 'F' POWER PLAN

PROJECT NUMBER	19034
SHEET NUMBER	2E-3.7
PLOT DATE	9/26/2019 11:32:42 AM



GENERAL NOTES
 #1- REFER TO ONE-LINE DIAGRAMS SHEET 2E-4.1, 2E-4.1A & 2E-4.2 FOR ATO & CU FEEDER REQUIREMENTS.

2 - ENLARGED AREA G POWER PLAN
 1" = 20'-0"



No.	Date	Description
A	09/11/2019	ISSUE FOR PRICING
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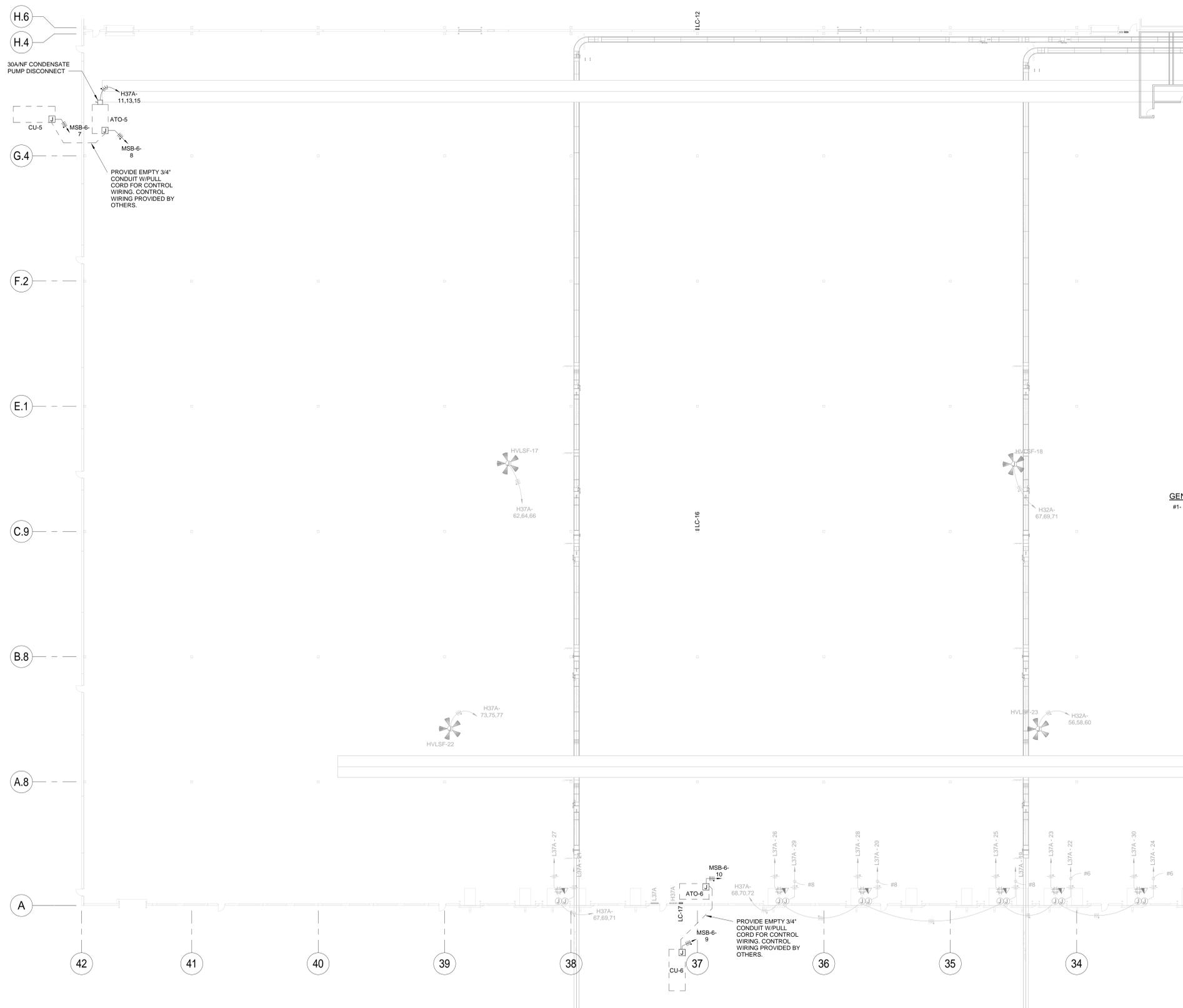
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SHEET TITLE	

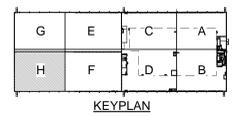
PROJECT BUILDING IMPROVEMENTS FOR MHE UPGRADES
ROSS DISTRIBUTION CENTER
 SHAFTER, CA
 ENLARGED AREA 'G' POWER PLAN

PROJECT NUMBER	19034
SHEET NUMBER	2E-3.8
PLOT DATE	9/26/2019 11:33:10 AM



GENERAL NOTES
 #1- REFER TO ONE-LINE DIAGRAMS SHEET 2E-4.1, 2E-4.1A & 2E-4.2 FOR ATO & CU FEEDER REQUIREMENTS.

2 - ENLARGED AREA H POWER PLAN
 1" = 20'-0"



No.	Date	Description
A	09/11/2019	ISSUE FOR PRICING
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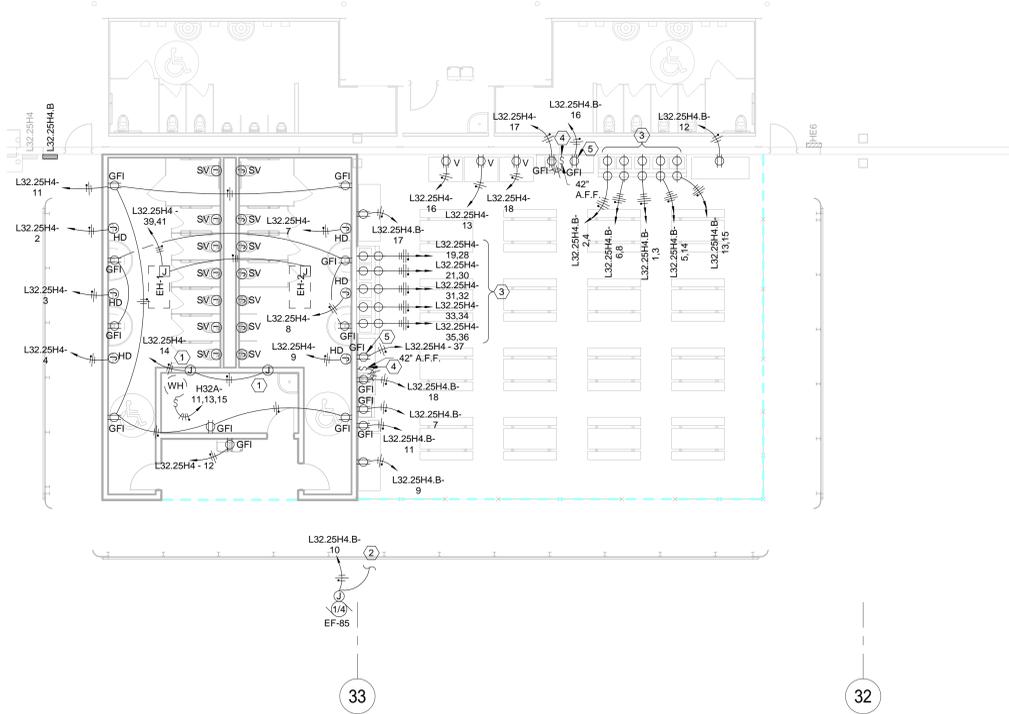
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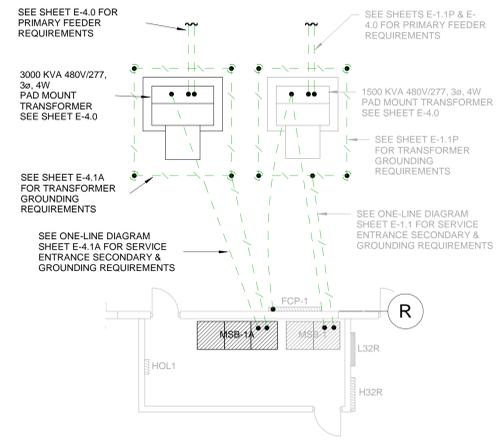
SCALE	As Indicated
DRAWN	A/E PM
Author	Checker Approver
SHEET TITLE	

PROJECT BUILDING IMPROVEMENTS FOR MHE UPGRADES
ROSS DISTRIBUTION CENTER
 SHAFTER, CA
ENLARGED AREA 'H' POWER PLAN

PROJECT NUMBER	19034
SHEET NUMBER	2E-3.9
PLOT DATE	9/26/2019 11:33:32 AM

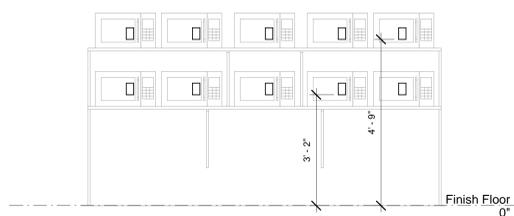


2 - ENLARGED BREAKROOM & RESTROOM POWER PLAN
1/8" = 1'-0"



2 - ENLARGED SERVICE ENTRANCE PLAN
1/8" = 1'-0"

- NOTES**
- #1- HALF-TONE ITEMS ARE EXISTING AND ARE TO REMAIN.
 - #2- ALL BRANCH CIRCUIT CONDUCTORS SHOWN THIS SHEET ARE TO BE #10 AWG UNLESS NOTED OTHERWISE.



MICROWAVE SECTION
1/2" = 1'-0"

- NOTES BY SYMBOL:**
- ① PLUMBING INFRARED CONTROL TRANSFORMER FURNISHED BY MECHANICAL CONTRACTOR AND INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR. COORDINATE INSTALLATION AND REQUIREMENTS W/MECHANICAL CONTRACTOR. SEE DETAIL ON SHEET 2E-3.0.
 - ② EXHAUST FAN TO BE WIRED TO LIGHTING CONTROLS IN RESTROOMS SHOWN ON THIS PLAN.
 - ③ INSTALL ONE ROW OF (5) RECEPTACLES AT 38" A.F.F. AND ANOTHER ROW OF (5) RECEPTACLES AT 57" A.F.F. TO BOTTOM OF RECEPTACLE FOR MICROWAVES. SEE MICROWAVE SECTION DETAIL, THIS SHEET.
 - ④ PROVIDE GFI RECEPTACLE UNDER COUNTER CONTROLLED BY SPST SWITCH ABOVE COUNTER FOR FOOD DISPOSAL UNIT.
 - ⑤ MOUNT RECEPTACLE AT 44" A.F.F FOR ABOVE COUNTER USE.



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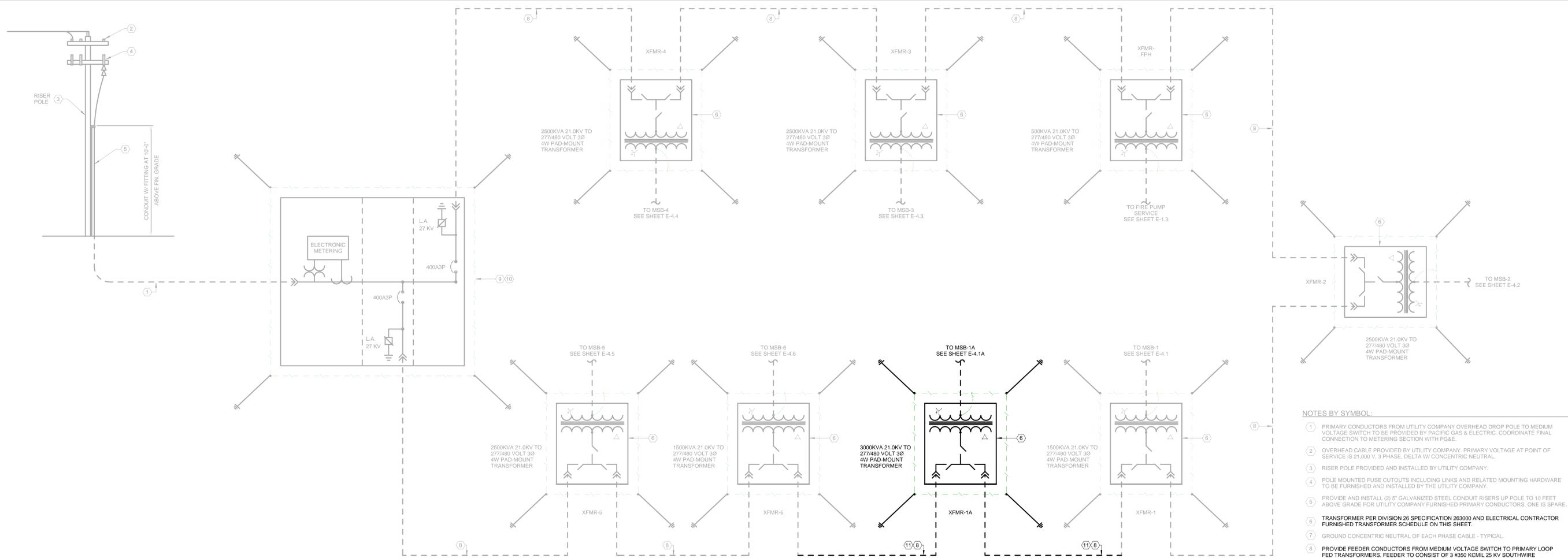
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SCALE	As Indicated	PROJECT	BUILDING IMPROVEMENTS FOR MHE UPGRADES
DRAWN	A/E	PM	ROSS DISTRIBUTION CENTER
Author	Checker	Approver	SHAFTER, CA
SHEET TITLE			
ENLARGED RESTROOM & BREAK AREA POWER PLAN			

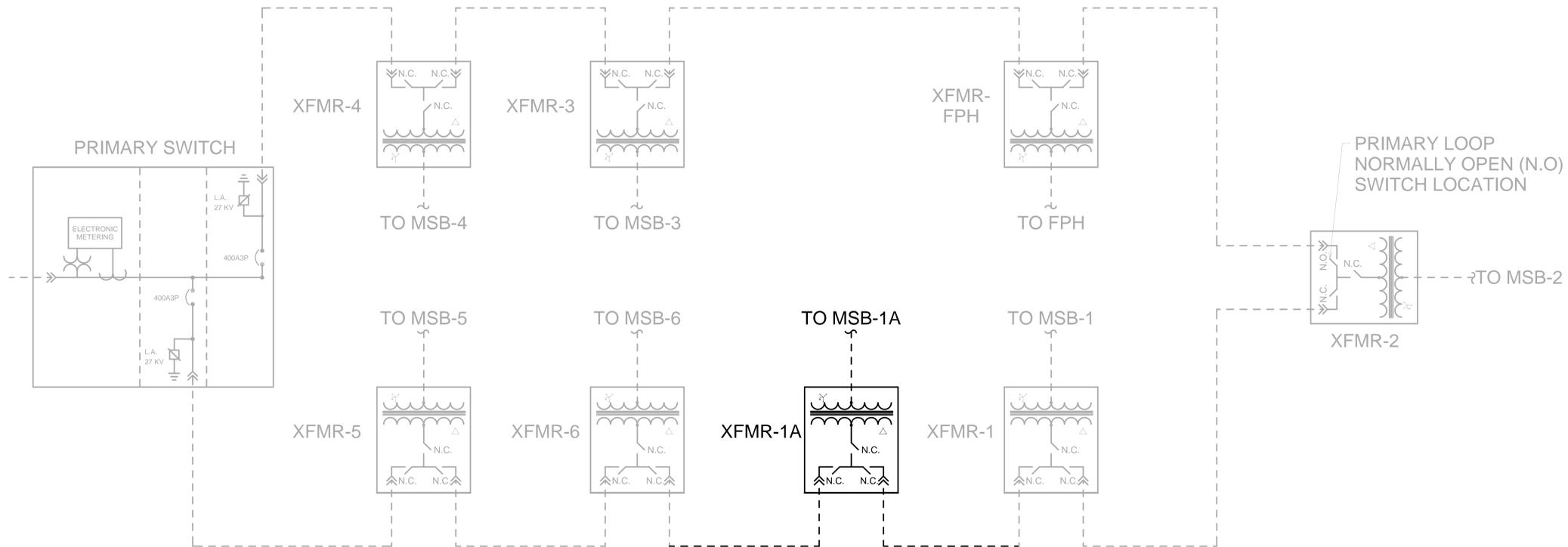
PROJECT NUMBER	19034
SHEET NUMBER	2E-3.10
PLOT DATE	9/26/2019 11:31:52 AM





PRIMARY ONE LINE DIAGRAM
12" = 1'-0"

- NOTES BY SYMBOL:**
- PRIMARY CONDUCTORS FROM UTILITY COMPANY OVERHEAD DROP POLE TO MEDIUM VOLTAGE SWITCH TO BE PROVIDED BY PACIFIC GAS & ELECTRIC. COORDINATE FINAL CONNECTION TO METERING SECTION WITH PG&E.
 - OVERHEAD CABLE PROVIDED BY UTILITY COMPANY. PRIMARY VOLTAGE AT POINT OF SERVICE IS 21,000 V, 3 PHASE, DELTA W/ CONCENTRIC NEUTRAL.
 - RISER POLE PROVIDED AND INSTALLED BY UTILITY COMPANY.
 - POLE MOUNTED FUSE CUTOUTS INCLUDING LINKS AND RELATED MOUNTING HARDWARE TO BE FURNISHED AND INSTALLED BY THE UTILITY COMPANY.
 - PROVIDE AND INSTALL (2) 5" GALVANIZED STEEL CONDUIT RISERS UP POLE TO 10 FEET ABOVE GRADE FOR UTILITY COMPANY FURNISHED PRIMARY CONDUCTORS. ONE IS SPARE.
 - TRANSFORMER PER DIVISION 26 SPECIFICATION 263000 AND ELECTRICAL CONTRACTOR FURNISHED TRANSFORMER SCHEDULE ON THIS SHEET.
 - GROUND CONCENTRIC NEUTRAL OF EACH PHASE CABLE - TYPICAL.
 - PROVIDE FEEDER CONDUCTORS FROM MEDIUM VOLTAGE SWITCH TO PRIMARY LOOP FED TRANSFORMERS. FEEDER TO CONSIST OF 3 #350 KCMIL 25 KV SOUTHWIRE PRIMARY LID TYPE MV-105 MEDIUM VOLTAGE POWER CABLE W/ COPPER COMPACT STRANDED CONDUCTOR, EPR INSULATION, EXTRUDED STRAND SHIELD, COMPOSITE INSULATION SHIELD AND JACKET W/ COPPER TAPE METALLIC SHIELD. CABLE TO 133% INSULATION LEVEL. CABLE SHALL BE RATED AT 105°C AND U.L. LISTED AND LABELED. THESE CONDUCTORS TO BE FURNISHED, INSTALLED, CONNECTED AND HI-POT TESTED BY THE ELECTRICAL CONTRACTOR. PROVIDE #3 AWG BARE COPPER GROUND CONDUCTOR W/ PHASE CONDUCTORS. THE ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ALL CABLE 600 AMP DEAD-BREAK ELBOWS AND TERMINATION LUGS AS REQUIRED. THESE CONDUCTORS TO BE IN ONE OF THE 5" CONDUITS.
 - MEDIUM VOLTAGE SWITCH PER DIVISION 26 SPECIFICATION 263000. PROVIDE TWO (2) 600A FRAMES @ 25KV VACUUM FAULT INTERRUPTING BREAKERS.
 - PROVIDE UTILITY METER SECTION FOR 25KV SWITCHING CENTER PER PACIFIC GAS & ELECTRIC METER STANDARDS. 25KV SWITCH PAD TO BE FURNISHED BY THE CONCRETE CONTRACTOR. ELECTRICAL CONTRACTOR TO COORDINATE INSTALLATION OF PAD AND SWITCH.
 - CUT EXISTING PRIMARY FEEDER AND RE-USE SLACK ON THE TRANSFORMER END TO RECONNECT TO NEW TRANSFORMER T-1A
 - PROVIDE NEW 25KV FEEDER FROM NEW TRANSFORMER T-1A TRANSFORMER TO EXISTING TRANSFORMER T-1.



PRIMARY ONE LINE PLACARD DIAGRAM
12" = 1'-0"

TRANSFORMER SCHEDULE	
DESTINATION	DESCRIPTION
T-2 T-4 T-5	21,000V - 480/277V, DELTA WYE, 3 PHASE, 4 WIRE, 2500KVA, 5.75% IMPEDANCE, PAD MOUNTED, OIL-FILLED TRANSFORMER WITH "LOOP FEED" TERMINATIONS AS INDICATED. VFI ELECTRONIC BREAKER.
T-1 T-6	21,000V - 480/277V, DELTA WYE, 3 PHASE, 4 WIRE, 1500KVA, 5.75% IMPEDANCE, PAD MOUNTED, OIL-FILLED TRANSFORMER WITH "LOOP FEED" TERMINATIONS AS INDICATED. VFI ELECTRONIC BREAKER.
T-FPH	21,000V - 480/277V, DELTA WYE, 3 PHASE, 4 WIRE, 500KVA, 5.75% IMPEDANCE, PAD MOUNTED, OIL-FILLED TRANSFORMER WITH "LOOP FEED" TERMINATIONS AS INDICATED. VFI ELECTRONIC BREAKER.
T-1A	21,000V - 480/277V, DELTA WYE, 3 PHASE, 4 WIRE, 3000KVA, 5.75% IMPEDANCE, PAD MOUNTED, OIL-FILLED TRANSFORMER WITH "LOOP FEED" TERMINATIONS AS INDICATED. VFI ELECTRONIC BREAKER.

- NOTES:**
- ALL MEDIUM VOLTAGE CABLE AND TERMINATION SYSTEMS SHALL BE HI-POT TESTED IN ACCORDANCE WITH CABLE AND TERMINATION EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND PRESCRIBED PROCEDURES OF THE IEEE, NEMA AND CABLE MANUFACTURER ASSOCIATION.
 - ALL MEDIUM VOLTAGE CABLES, TERMINATORS, AND LOAD BREAK ELBOWS AND INSTALLATION OF ALL EQUIPMENT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
 - ALL CONCRETE PAD, SIZE, AND DIMENSIONS, AND LOCATION ARE TO BE COORDINATED WITH CONSTRUCTION MANAGER AND CONCRETE CONTRACTOR PRIOR TO PAD INSTALLATION.
 - ALL MEDIUM VOLTAGE EQUIPMENT INCLUDING SWITCHES, TRANSFORMERS, AND RUBBER GOODS SHALL BE MANUFACTURED IN ACCORDANCE WITH ANS/IEEE STANDARDS.
 - PROVIDE PLASTIC ENGRAVED SIGNAGE AT EACH OF THE EIGHT (8) TRANSFORMER LOCATIONS AND AT THE PRIMARY SWITCH FOR SYSTEM DIAGRAM. SEE PLACARD DETAIL THIS SHEET.



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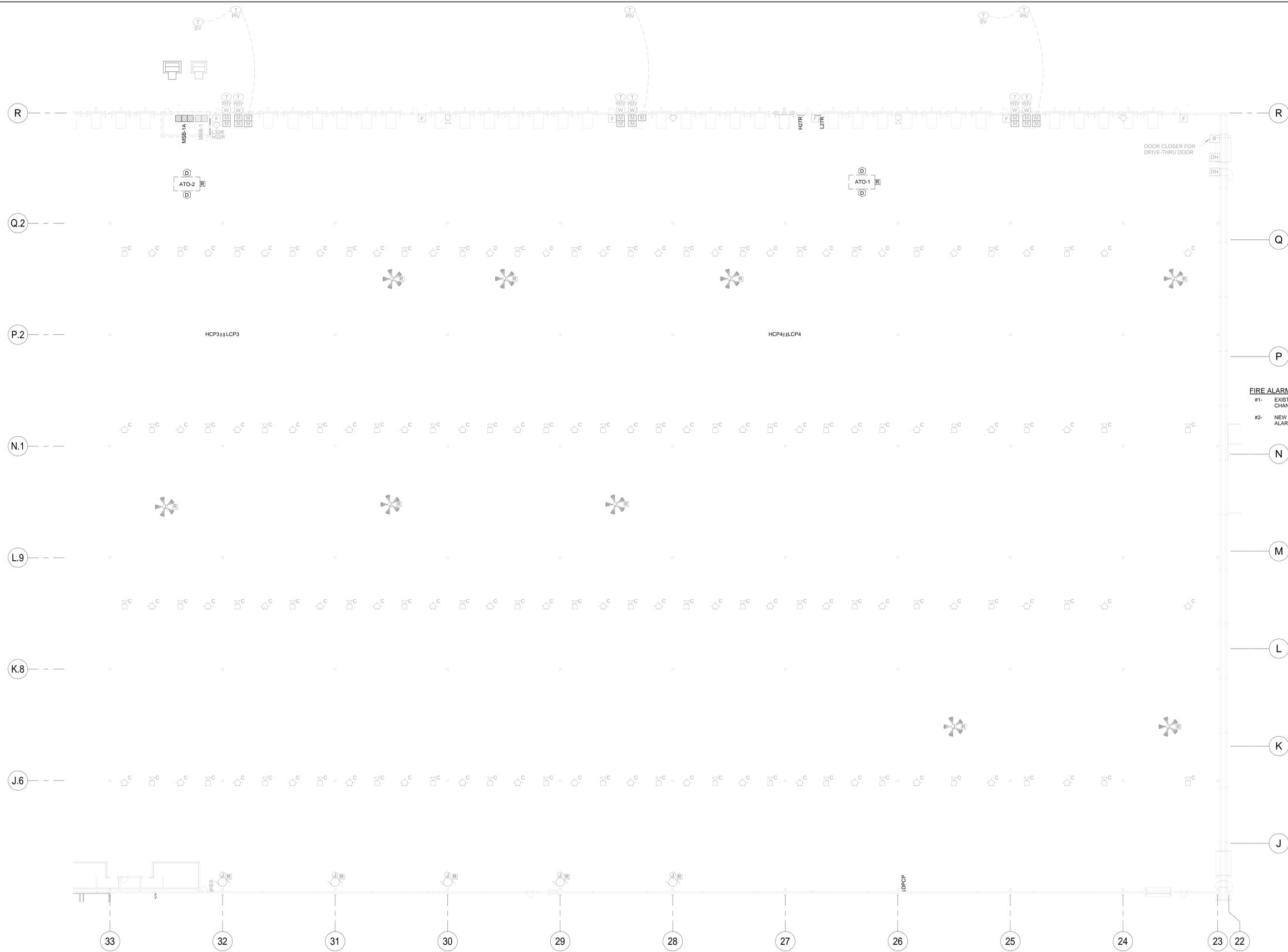
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SCALE	As Indicated	PROJECT	BUILDING IMPROVEMENTS FOR MHE UPGRADES	PROJECT NUMBER	19034
DRAWN	A/E	ROSS DISTRIBUTION CENTER		SHEET NUMBER	2E-4.0
Author	Checker	SHAFTER, CA		PLOT DATE	9/26/2019 11:33:34 AM
SHEET TITLE	Approver	PRIMARY ONE-LINE DIAGRAM			

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CKT	TRIP	POLES	TYPE	FEED	A	B	C	FEED	TYPE	POLES	TRIP	CKT	CKT	TRIP	POLES	TYPE	FEED	A	B	C	FEED	TYPE	POLES	TRIP	CKT	CKT	TRIP	POLES	TYPE	FEED	A	B	C	FEED	TYPE	POLES	TRIP	CKT																	
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35												36	35							3.9	0.0				BAF COL 25, 27, 29	EXIST	3	20 A	36	35					3.9	0.0	DOCK FANS	EXIST	3	20 A	36														
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51	20 A	3	EXIST	CONVEYOR MOTORS					EXIST		3	20 A	52	51	20 A	3	EXIST	CONVEYOR MOTORS																																					
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55					0.8	0.8						56	55																																										
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71												72	71																																										
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77												78	77																																										
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83												84	83																																										
					TOTAL KW / PHASE:	67.2 kW	67.2 kW	63.6 kW						TOTAL KW / PHASE:	63.9 kW	63.9 kW	63.9 kW						TOTAL KW / PHASE:	101.2 kW	99.0 kW	94.7 kW																													
					TOTAL AMPS / PHASE:	245 A	245 A	230 A						TOTAL AMPS / PHASE:	231 A	231 A	231 A						TOTAL AMPS / PHASE:	368 A	360 A	342 A																													
PHASE TOTAL					TOTAL KW:	198.0 kW			PHASE TOTAL					TOTAL KW:	191.7 kW			PHASE TOTAL					TOTAL KW:	294.9 kW																															
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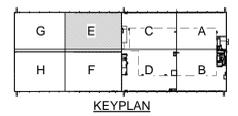
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1	20 A	1	EXIST - SMART	INTERIOR LIGHTING	2.1	2.8		INTERIOR LIGHTING	EXIST - SMART	1	20 A	2	1	20 A	1	EXIST - SMART	INTERIOR LIGHTING	1.8	2.5		INTERIOR LIGHTING	EXIST - SMART	1	20 A	2	1	20 A	1	EXIST - SMART	INTERIOR LIGHTING	1.8	2.5		INTERIOR LIGHTING	EXIST - SMART	1	20 A	2																	
3	20 A	1	EXIST - SMART	INTERIOR LIGHTING		2.8	2.1	INTERIOR LIGHTING	EXIST - SMART	1	20 A	4	3	20 A	1	EXIST - SMART	INTERIOR LIGHTING		2.5	1.8		INTERIOR LIGHTING	EXIST - SMART	1	20 A	4	3	20 A	1	EXIST - SMART	INTERIOR LIGHTING	2.1	2.8	2.5	1.8	INTERIOR LIGHTING	EXIST - SMART	1	20 A	4															
5	20 A	1	EXIST - SMART	INTERIOR LIGHTING			2.8	2.8	INTERIOR LIGHTING	EXIST - SMART	1	20 A	6	5	20 A	1	EXIST - SMART	INTERIOR LIGHTING			2.5	2.5		INTERIOR LIGHTING	EXIST - SMART	1	20 A	6	5	20 A	1	EXIST - SMART	INTERIOR LIGHTING			2.8	2.8	INTERIOR LIGHTING	EXIST - SMART	1	20 A	6													
7	20 A	1	EXIST - SMART	INTERIOR LIGHTING	2.1	2.8		INTERIOR LIGHTING	EXIST - SMART	1	20 A	8	7	20 A	1	EXIST - SMART	INTERIOR LIGHTING	2.1	2.8		INTERIOR LIGHTING	EXIST - SMART	1	20 A	8	7	20 A	1	EXIST - SMART	INTERIOR LIGHTING	1.8	2.5	2.5	1																					

EXISTING PANEL: L27A														EXISTING PANEL: L32A														EXISTING PANEL: L37A																
VOLTAGE AND PHASE: 120/208 VOLT, 3ø, 4W MOUNTING: SURFACE ENCLOSURE: NEMA 1														VOLTAGE AND PHASE: 120/208 VOLT, 3ø, 4W MOUNTING: SURFACE ENCLOSURE: NEMA 1														VOLTAGE AND PHASE: 120/208 VOLT, 3ø, 4W MOUNTING: SURFACE ENCLOSURE: NEMA 1																
MAINS RATING: 250 A MAINS TYPE: MCB & SN														MAINS RATING: 250 A MAINS TYPE: MCB & SN														MAINS RATING: 250 A MAINS TYPE: MCB & SN																
CKT	TRIP	POLES	TYPE	FEED	A	B	C	FEED	TYPE	POLES	TRIP	CKT	CKT	TRIP	POLES	TYPE	FEED	A	B	C	FEED	TYPE	POLES	TRIP	CKT	CKT	TRIP	POLES	TYPE	FEED	A	B	C	FEED	TYPE	POLES	TRIP	CKT						
1	20 A	1	EXIST	DOCK EQUIPMENT	1.1	1.1		DOCK EQUIPMENT	EXIST	1	20 A	2	1	20 A	1	EXIST	DOCK EQUIPMENT	1.1	1.1		DOCK EQUIPMENT	EXIST	1	20 A	2	1	20 A	1	EXIST	DOCK EQUIPMENT	1.1	1.1		DOCK EQUIPMENT	EXIST	1	20 A	2						
3	20 A	1	EXIST	DOCK EQUIPMENT		1.1	1.1	DOCK EQUIPMENT	EXIST	1	20 A	4	3	20 A	1	EXIST	DOCK EQUIPMENT		1.1	1.1		DOCK EQUIPMENT	EXIST	1	20 A	4	3	20 A	1	EXIST	DOCK EQUIPMENT		1.1	1.1		DOCK EQUIPMENT	EXIST	1	20 A	4				
5	20 A	1	EXIST	DOCK EQUIPMENT			1.1	DOCK EQUIPMENT	EXIST	1	20 A	6	5	20 A	1	EXIST	DOCK EQUIPMENT			1.1	1.1		DOCK EQUIPMENT	EXIST	1	20 A	6	5	20 A	1	EXIST	DOCK EQUIPMENT			1.1	1.1		DOCK EQUIPMENT	EXIST	1	20 A	6		
7	20 A	1	EXIST	DOCK EQUIPMENT	1.1	1.1		DOCK EQUIPMENT	EXIST	1	20 A	8	7	20 A	1	EXIST	DOCK EQUIPMENT	1.1	1.1		DOCK EQUIPMENT	EXIST	1	20 A	8	7	20 A	1	EXIST	DOCK EQUIPMENT	0.7	0.5		DOCK EQUIPMENT	EXIST	1	20 A	8						
9	20 A	1	EXIST	WORK STATION		0.4	4.4	WORK STATION	EXIST	1	20 A	10	9	20 A	1	EXIST	WORK STATION		0.4	0.4		WORK STATION	EXIST	1	20 A	10	9	20 A	1	EXIST	RECP FOR SECURITY CAMERA		0.5	0.0		SPRINKLER RISER	EXIST	1	20 A	10				
11	20 A	1	EXIST	WORK STATION			0.4	0.4	WORK STATION	EXIST	1	20 A	12	11	20 A	1	EXIST	WORK STATION			0.4	0.4		WORK STATION	EXIST	1	20 A	12	11	20 A	1	EXIST	RECEPTACLES			0.7	0.0		SPRINKLER RISER	EXIST	1	20 A	12	
13	20 A	1	EXIST	RECEPTACLES	0.9	0.2		RECP FOR SECURITY CAMERA	EXIST	1	20 A	14	13	15 A	1	EXIST	EF-55		0.2	0.0		SPRINKLER RISER	EXIST	1	20 A	14	13	20 A	1	EXIST	RECEPTACLES	0.7	0.0		SPRINKLER RISER	EXIST	1	20 A	14					
15	20 A	1	EXIST	SPRINKLER RISER		0.0	0.6	FIRE ALARM DOOR HOLD OPEN	EXIST	1	20 A	16	15	20 A	1	EXIST	SPRINKLER RISER			0.0	2.5		GENERATOR BLOCK HEATER	EXIST	2	30 A	16	15	20 A	1	EXIST	RECEPTACLES		4.0	0.5		FAPS	EXIST	1	20 A	16			
17	20 A	1	EXIST	RECEPTACLES			0.7	0.5	FAPS	EXIST	1	20 A	18	17	20 A	1	EXIST	GENERATOR BATTERY CHARGER				0.3	2.5		GENERATOR BLOCK HEATER	EXIST	2	30 A	18	17	20 A	1	EXIST	RAYMOND			0.0	0.5		FAPS	EXIST	1	20 A	18
19	20 A	1	EXIST	RECEPTACLES	0.7	0.5		RAYMOND	EXIST	1	20 A	20	19	20 A	1	EXIST	RECEPTACLES	0.7	0.5		FCPS	EXIST	1	20 A	20	19	20 A	1	EXIST	DOCK POWER	1.5	1.5		DOCK POWER	EXIST	1	20 A	20						
21	20 A	1	EXIST	RECEPTACLES		0.7	0.0		RAYMOND	EXIST	1	20 A	22	21	20 A	1	EXIST	RECEPTACLES		0.7	0.5		FCPS	EXIST	1	20 A	22	21	20 A	1	EXIST	DOCK POWER		1.5	1.5		DOCK POWER	EXIST	1	20 A	22			
23	20 A	1	EXIST	RECEPTACLES			0.7	0.0	WS A25	EXIST	1	20 A	24	23	20 A	1	EXIST	RECEPTACLES			0.7	4.0		NXT REV CONTROL	EXIST	1	20 A	24	23	20 A	1	EXIST	DOCK CONVENIENCE RCPT		0.4	1.5		DOCK POWER	EXIST	1	20 A	24		
25	20 A	1	EXIST	RECEPTACLES	0.7	0.0		WS A25	EXIST	1	20 A	26	25	20 A	1	EXIST	DOCK POWER	1.5	4.0			EXIST	1	20 A	26	25	20 A	1	EXIST	DOCK CONVENIENCE RCPT	0.4	0.4		DOCK CONVENIENCE RCPT	EXIST	1	20 A	26						
27	20 A	1	EXIST	DOCK POWER		1.5	1.5		DOCK POWER	EXIST	1	20 A	28	27	20 A	1	EXIST	DOCK POWER		1.5	1.5			EXIST	1	20 A	28	27	20 A	1	EXIST	DOCK CONVENIENCE RCPT		0.4	0.4		DOCK CONVENIENCE RCPT	EXIST	1	20 A	28			
29	20 A	1	EXIST	DOCK POWER			1.5	1.5	DOCK POWER	EXIST	1	20 A	30	29	20 A	1	EXIST	DOCK POWER			1.5	1.5			EXIST	1	20 A	30	29	20 A	1	EXIST	DOCK POWER			1.5	0.4		DOCK CONVENIENCE RCPT	EXIST	1	20 A	30	
31	20 A	1	EXIST	DOCK CONVENIENCE RCPT	0.4	1.5			DOCK CONVENIENCE RCPT	EXIST	1	20 A	32	31	20 A	1	EXIST	DOCK CONVENIENCE RCPT	0.4	1.4			EXIST	1	20 A	32	31	20 A	1	EXIST	DOCK CONVENIENCE RCPT	0.0	0.0		DOCK CONVENIENCE RCPT	EXIST	1	20 A	32					
33	20 A	1	EXIST	DOCK POWER		1.5	0.4		DOCK CONVENIENCE RCPT	EXIST	1	20 A	34	33	20 A	1	EXIST	DOCK CONVENIENCE RCPT		0.4	0.4			EXIST	1	20 A	34	33	20 A	1	EXIST	SPARE		0.0	0.0		SPARE	EXIST	1	20 A	34			
35	20 A	1	EXIST	DOCK POWER			1.5	1.5	DOCK POWER	EXIST	1	20 A	36	35	20 A	1	EXIST	DOCK CONVENIENCE RCPT			0.4	0.0			EXIST	1	20 A	36	35	20 A	1	EXIST	SPARE			0.0	0.0		SPARE	EXIST	1	20 A	36	
37	20 A	1	EXIST	DOCK CONVENIENCE RCPT	0.4	0.4			DOCK CONVENIENCE RCPT	EXIST	1	20 A	38	37	20 A	1	EXIST	SPARE	0.0	0.0			EXIST	1	20 A	38	37	20 A	1	EXIST	SPARE	0.0	0.0		SPARE	EXIST	1	20 A	38					
39	20 A	1	EXIST	DOCK CONVENIENCE RCPT		0.4	0.4		DOCK CONVENIENCE RCPT	EXIST	1	20 A	40	39	20 A	1	EXIST	SPARE		0.0	0.0			EXIST	1	20 A	40	39	20 A	1	EXIST	SPARE		0.0	0.0		SPARE	EXIST	1	20 A	40			
41	20 A	1	EXIST	SPARE			0.0	1.5	DOCK POWER	EXIST	1	20 A	42	41	20 A	1	EXIST	SPARE			0.0	0.0			EXIST	1	20 A	42	41	20 A	1	EXIST	SPARE			0.0	0.0		SPARE	EXIST	1	20 A	42	
43	20 A	1	EXIST	SPARE	0.0	1.5			DOCK POWER	EXIST	1	20 A	44	43	20 A	1	EXIST	SPARE	0.0	0.0			EXIST	1	20 A	44	43	20 A	1	EXIST	SPARE	0.0	0.0		SPARE	EXIST	1	20 A	44					
45	20 A	1	EXIST	SPARE			0.0	0.0		SPARE	EXIST	1	20 A	46	45	20 A	1	EXIST	ACP-1-06			0.0	0.0			EXIST	1	20 A	46	45	20 A	1	EXIST	SPARE			0.0	0.0		SPARE	EXIST	1	20 A	46
47	20 A	1	EXIST	SPARE			0.0	0.0		SPARE	EXIST	1	20 A	48	47	20 A	1	EXIST	ACP-1-06			0.0	0.0			EXIST	1	20 A	48	47	20 A	1	EXIST	SPARE			0.0	0.0		SPARE	EXIST	1	20 A	48
49	--	--	--	SPACE	0.0	0.0			SPACE	--	--	--	50	49	20 A	1	EXIST	SPACE	0.0	0.0			EXIST	1	20 A	50	49	20 A	1	EXIST	SPACE	0.0	0.0		SPACE	EXIST	1	20 A	50					
51	--	--	--	SPACE		0.0	0.0		SPACE	--	--	--	52	51	20 A	1	EXIST	SPACE		0.0	0.0			EXIST	1	20 A	52	51	20 A	1	EXIST	SPACE		0.0	0.0		SPACE	EXIST	1	20 A	52			
53	--	--	--	SPACE			0.0	0.0		SPACE	--	--	--	54	53	20 A	1	EXIST	SPACE			0.0	0.0			EXIST	1	20 A	54	53	20 A	1	EXIST	SPACE			0.0	0.0		SPACE	EXIST	1	20 A	54
55	--	--	--	SPACE	0.0	0.0			SPACE	--	--	--	56	55	--	--	--	SPACE	0.0	0.0			EXIST	1	20 A	56	55	20 A	1	EXIST	SPACE	0.0	0.0		SPACE	EXIST	1	20 A	56					
57	--	--	--	SPACE		0.0	0.0		SPACE	--	--	--	58	57	--	--	--	SPACE		0.0	0.0			EXIST	1	20 A	58	57	20 A	1	EXIST	SPACE		0.0	0.0		SPACE	EXIST	1	20 A	58			
59	--	--	--	SPACE			0.0	0.0		SPACE	--	--	--	60	59	--	--	--	SPACE			0.0	0.0			EXIST	1	20 A	60	59	20 A	1	EXIST	SPACE			0.0	0.0		SPACE	EXIST	1	20 A	60
61	--	--	--	SPACE	0.0	0.0			SPACE	--	--	--	62	61	--	--	--	SPACE	0.0	0.0			EXIST	1	20 A	62	61	20 A	1	EXIST	SPACE	0.0	0.0		SPACE	EXIST	1	20 A	62					
63	--	--	--	SPACE			0.0	0.0		SPACE	--	--	--	64	63	--	--	--	SPACE			0.0	0.0			EXIST	1	20 A	64	63	20 A	1	EXIST	SPACE			0.0	0.0		SPACE	EXIST	1	20 A	64
65	--	--	--	SPACE			0.0	0.0		SPACE	--	--	--	66	65	--	--	--	SPACE			0.0	0.0			EXIST	1	20 A	66	65	20 A	1	EXIST	SPACE			0.0	0.0		SPACE	EXIST	1	20 A	66
67	--	--	--	SPACE	0.0	0.0			SPACE	--	--	--	68	67	--	--	--	SPACE	0.0	0.0			EXIST	1	20 A	68	67	20 A	1	EXIST	SPACE	0.0	0.0		SPACE	EXIST	1	20 A	68					
69	--	--	--	SPACE			0.0	0.0		SPACE	--	--	--	70	69	--	--	--	SPACE			0.0	0.0			EXIST	1	20 A	70	69	--	--	--	SPACE			0.0	0.0		SPACE	EXIST	1	20 A	70
71	--	--	--	SPACE			0.0	0.0		SPACE	--	--	--	72	71	--	--	--	SPACE			0.0	0.0			EXIST	1	20 A	72	71	--	--	--	SPACE			0.0	0.0		SPACE	EXIST	1	20 A	72
73	--	--	--	SPACE	0.0	0.0			SPACE	--	--	--	74	73	--	--	--	SPACE	0.0	0.0			EXIST	1	20 A	74	73	--	--	--	SPACE			0.0	0.0		SPACE	EXIST	1	20 A	74			
75	--	--	--	SPACE			0.0	0.0		SPACE	--	--	--	76	75	--	--	--	SPACE			0.0	0.0			EXIST	1	20 A	76	75	--	--	--	SPACE			0.0	0.0		SPACE	EXIST	1	20 A	76
77	--	--	--	SPACE			0.0	0.0		SPACE	--	--	--	78	77	--	--	--	SPACE			0.0	0.0			EXIST	1	20 A	78	77	--	--	--	SPACE			0.0	0.0		SPACE	EXIST	1	20 A	78
79	--	--	--	SPACE	0.0	0.0			SPACE	--	--	--	80	79	--	--	--	SPACE	0.0	0.0			EXIST	1	20 A	80	79	--	--	--	SPACE			0.0	0.0		SPACE	EXIST	1	20 A	80			
81	--	--	--	SPACE			0.0	0.0		SPACE	--	--	--	82	81	--	--	--	SPACE			0.0	0.0			EXIST	1	20 A	82	81	--	--	--	SPACE			0.0	0.0		SPACE	EXIST	1	20 A	82
83	--	--	--	SPACE			0.0	0.0		SPACE	--	--	--	84	83	--	--	--	SPACE			0.0	0.0			EXIST	1	20 A	84	83	--	--	--	SPACE			0.0	0.0		SPACE	EXIST	1	20 A	84



FIRE ALARM NOTES:
 #1- EXISTING FIRE ALARM SYSTEM TO REMAIN INTACT. MAKE MINOR FIELD CHANGES IF REQUIRED BY CONSTRUCTION.
 #2- NEW FIRE ALARM DEVICES SHOWN SHALL BE CONNECTED TO EXISTING FIRE ALARM SYSTEM.

2 - ENLARGED AREA E FIRE ALARM PLAN
 1" = 20'-0"



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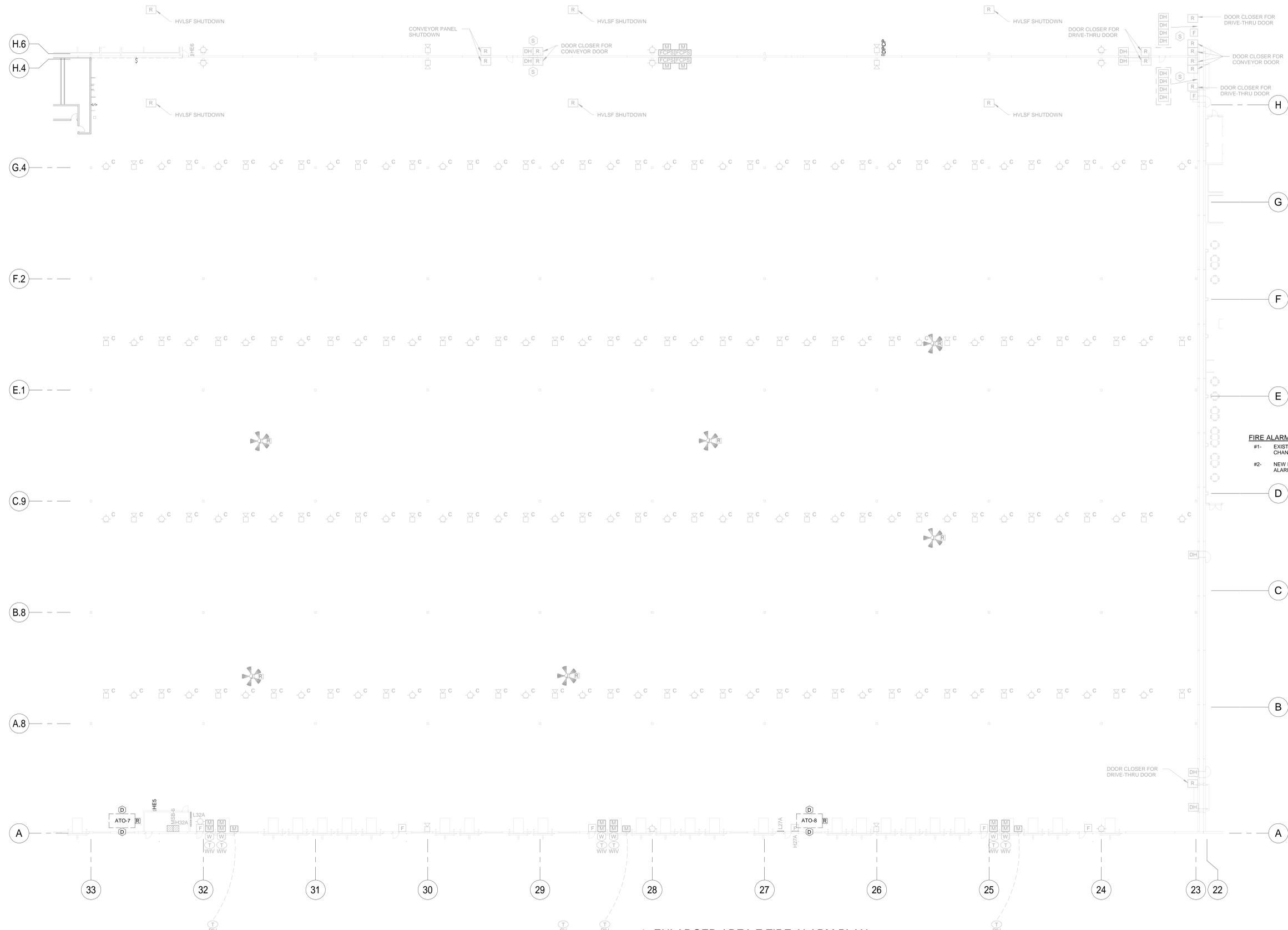
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Author	Checker
	Approver

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 ENLARGED AREA 'E' FIRE ALARM PLAN

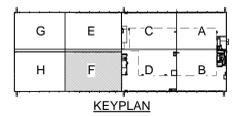
PROJECT NUMBER	19034
SHEET NUMBER	2E-5.6
PLOT DATE	9/26/2019 11:34:00 AM





FIRE ALARM NOTES:
 #1- EXISTING FIRE ALARM SYSTEM TO REMAIN INTACT. MAKE MINOR FIELD CHANGES IF REQUIRED BY CONSTRUCTION
 #2- NEW FIRE ALARM DEVICES SHOWN SHALL BE CONNECTED TO EXISTING FIRE ALARM SYSTEM.

2- ENLARGED AREA F FIRE ALARM PLAN
 1" = 20'-0"



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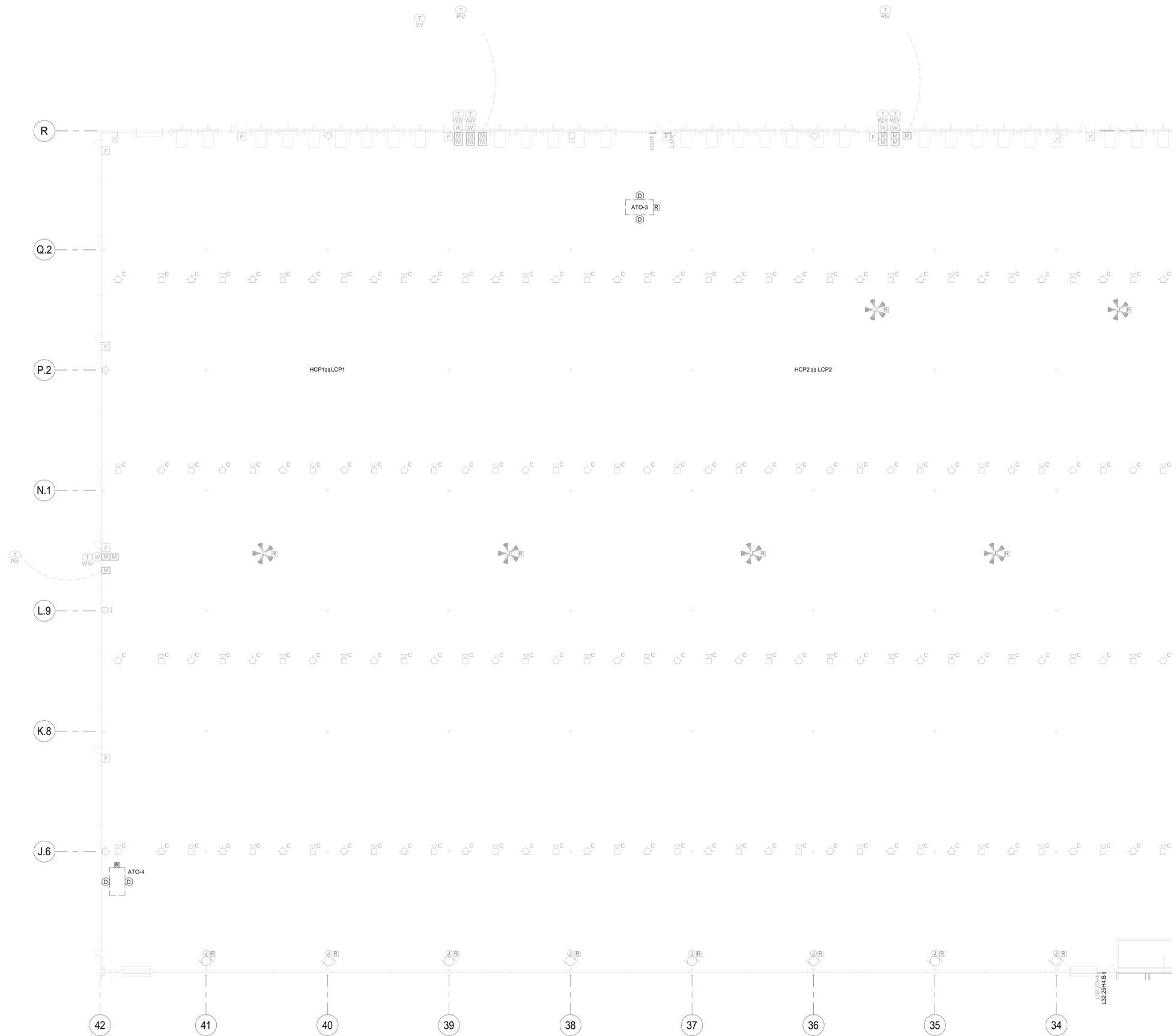
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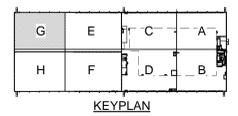
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 ENLARGED AREA 'F' FIRE ALARM PLAN

PROJECT NUMBER	19034
SHEET NUMBER	2E-5.7
PLOT DATE	9/26/2019 11:34:04 AM



FIRE ALARM NOTES:
 #1- EXISTING FIRE ALARM SYSTEM TO REMAIN INTACT. MAKE MINOR FIELD CHANGES IF REQUIRED BY CONSTRUCTION.
 #2- NEW FIRE ALARM DEVICES SHOWN SHALL BE CONNECTED TO EXISTING FIRE ALARM SYSTEM.

2 - ENLARGED AREA G FIRE ALARM PLAN
 1" = 20'-0"



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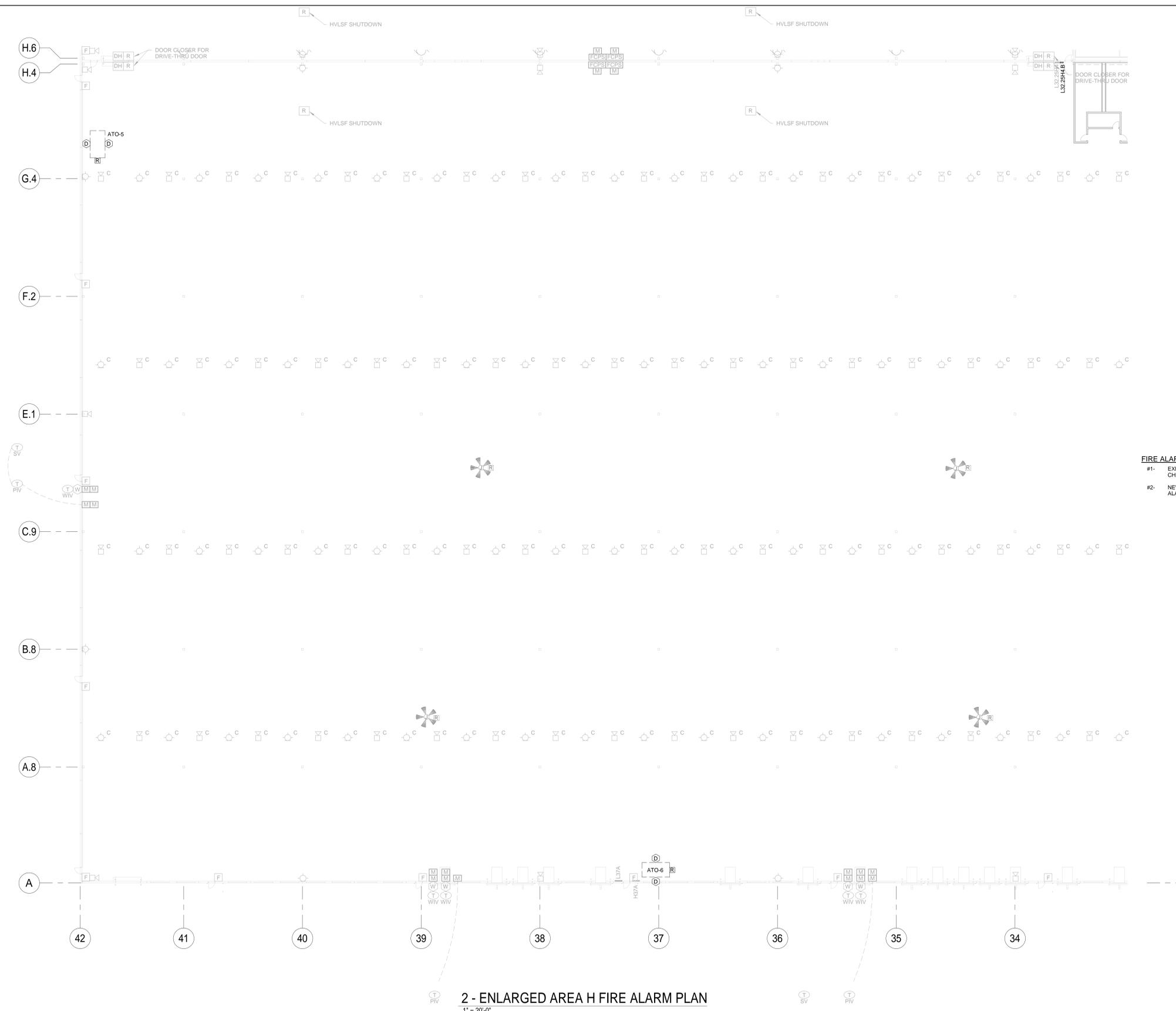
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 ENLARGED AREA 'G' FIRE ALARM PLAN

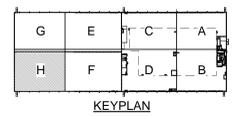
PROJECT NUMBER	19034
SHEET NUMBER	2E-5.8
PLOT DATE	9/26/2019 11:34:07 AM





- FIRE ALARM NOTES:**
- #1- EXISTING FIRE ALARM SYSTEM TO REMAIN INTACT. MAKE MINOR FIELD CHANGES IF REQUIRED BY CONSTRUCTION.
 - #2- NEW FIRE ALARM DEVICES SHOWN SHALL BE CONNECTED TO EXISTING FIRE ALARM SYSTEM.

2 - ENLARGED AREA H FIRE ALARM PLAN
1" = 20'-0"



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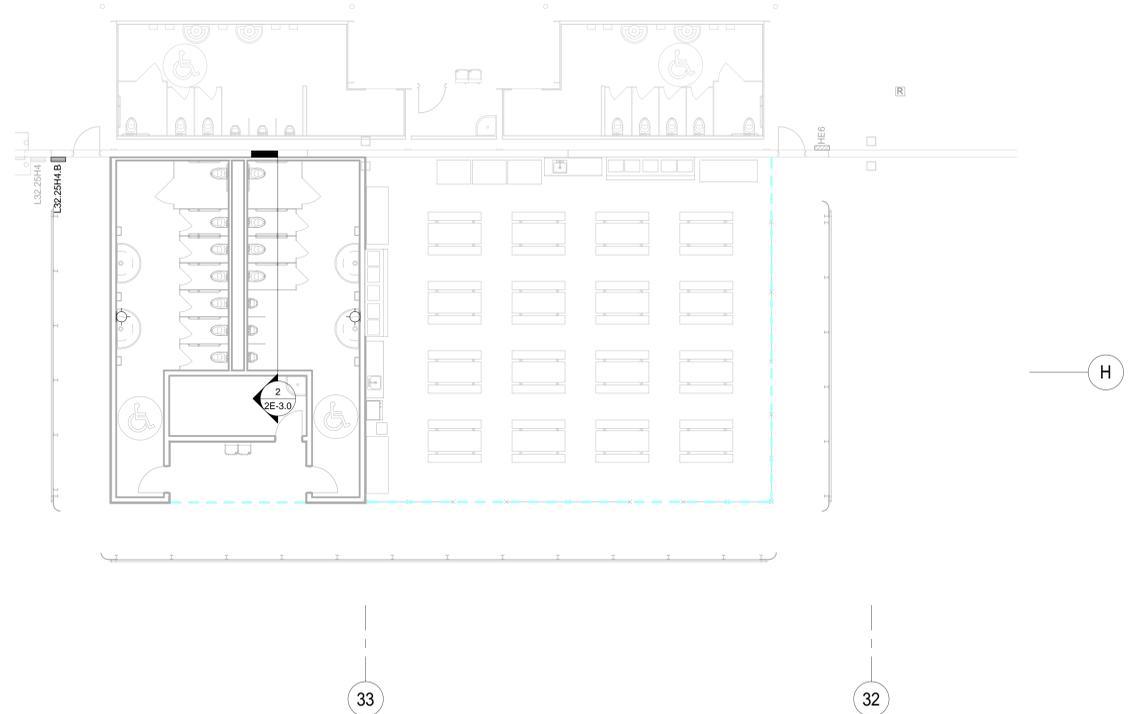
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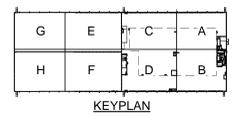
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SHEET NUMBER	2E-5.9
PLOT DATE	9/26/2019 11:34:09 AM





- FIRE ALARM NOTES:**
- #1- EXISTING FIRE ALARM SYSTEM TO REMAIN INTACT. MAKE MINOR FIELD CHANGES IF REQUIRED BY CONSTRUCTION.
 - #2- NEW FIRE ALARM DEVICES SHOWN SHALL BE CONNECTED TO EXISTING FIRE ALARM SYSTEM.

ENLARGED BREAKROOM & RESTROOM FIRE ALARM PLAN
 1/8" = 1'-0"



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PROJECT BUILDING IMPROVEMENTS FOR MHE UPGRADES
ROSS DISTRIBUTION CENTER
 SHAFTER, CA
 SHEET TITLE
ENLARGED RESTROOM & BREAK AREA FIRE ALARM PLAN

PROJECT NUMBER
19034
SHEET NUMBER
2E-5.10
PLOT DATE
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