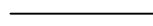
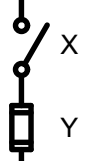
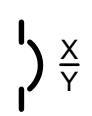
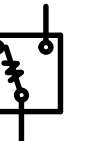


ELECTRICAL LEGEND:

	FURNISH AND INSTALL CONDUIT AND EQUIPMENT, QUANTITY AND SIZE OF CABLES SHALL BE AS INDICATED ON THE CONTRACT DRAWINGS.
	EXISTING CONDUIT AND EQUIPMENT TO REMAIN AS INDICATED ON THE CONTRACT DRAWINGS.
	FURNISH AND INSTALL UNDERGROUND CONDUIT AS INDICATED ON THE CONTRACT DRAWINGS.
	REVENUE GRADE UTILITY METER.
	FUSIBLE SAFETY SWITCH. X - INDICATES SWITCH AMPERE RATING Y - INDICATES FUSE AMPERE RATING
	DELTA PRIMARY / WYE SECONDARY TRANSFORMER.
	DELTA PRIMARY / DELTA SECONDARY TRANSFORMER.
	NON-FUSIBLE TYPE SAFETY SWITCH. X - INDICATES SWITCH AMPERE RATING
	CIRCUIT BREAKER. X - INDICATES AMPERE TRIP SETTING Y - INDICATES AMPERE FRAME SIZE
	AUTOMATIC TRANSFER SWITCH.
	GENERATOR.
	KEY-INTERLOCKING MECHANISM.
	MOTOR. X - INDICATES HORSEPOWER RATING
	480/277V PANELBOARD.
	208/120V PANELBOARD.
	CONTINUATION.
	HOMERUN CIRCUIT XXX#XX CIRCUIT DESIGNATION └─┬─┘ CIRCUIT NUMBER PANELBOARD NAME
	WALL MOUNTED 125V, 20A NON-LOCKING TYPE DUPLEX RECEPTACLE. GFI - DENOTES SELF-TEST GFCI TYPE RECEPTACLE WP - DENOTES LISTED WEATHER-RESISTANT RECEPTACLE IN WEATHER-PROOF ENCLOSURE
	WALL MOUNTED 125V, 20A QUADRUPLX RECEPTACLE.
	DRAWING CALLOUT X - DENOTES PART PLAN NUMBER Y - DENOTES DRAWING SHEET NUMBER
	FLOOR BOX. REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS.
	FINAL MECHANICAL EQUIPMENT CONNECTION. COORDINATE WITH EQUIPMENT MANUFACTURER FOR EXACT REQUIREMENTS.
	NON-FUSIBLE TYPE DISCONNECT SWITCH; SIZE AS NOTED ON PLANS.
	FUSIBLE TYPE DISCONNECT SWITCH; SIZE AS NOTED ON PLANS.
	MOTORIZED DAMPER.
	VARIABLE FREQUENCY DRIVE. REFER TO MECHANICAL CONTRACT DRAWINGS FOR SPECIFICATIONS.
	MOTOR CONTROL PANEL.
	PULL BOX; SIZE AS NOTED ON PLANS.
	ELECTRICAL CONNECTION. REFER TO POWER PLANS FOR EQUIPMENT/CONNECTION INFORMATION.
	HORSEPOWER RATED SWITCH.
	DATA OUTLET. REFER TO TELECOMMUNICATION CONTRACT DRAWINGS FOR EXACT REQUIREMENTS.

ELECTRICAL GENERAL NOTES:

- THE CONTRACT DRAWINGS ARE DIAGRAMMATIC IN NATURE AND NOT EVERY DETAIL OR EXACT LOCATION OF EQUIPMENT AND/OR CONDUIT IS SHOWN. VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD BEFORE COMMENCING ANY FABRICATION, ORDERING ANY MATERIAL OR PERFORMING ANY WORK. NOTIFY THE ENGINEER OF ANY CONDITIONS OR DIMENSIONS, WHICH WOULD AFFECT THE PERFORMANCE OF WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.
- UON, ALL CONDUITS SHALL BE MINIMUM 3/4" DIAMETER RIGID GALVANIZED STEEL.
- UON, ALL INDOOR AND OUTDOOR WIRING SHALL BE 600V, 1/C COPPER TYPE "THHN/THWN" WIRES.
- UON, ALL PULL BOXES, JUNCTION BOXES AND ENCLOSURES FOR ELECTRICAL EQUIPMENT FOR ALL OUTDOOR AND NON-CLIMATE CONTROLLED INDOOR ENVIRONMENT SHALL BE NEMA TYPE 3R.
- LIGHT LINE WORK INDICATES EXISTING ELECTRICAL MATERIALS AND EQUIPMENT TO REMAIN. MATERIALS AND EQUIPMENT, EXISTING OR TO BE FURNISHED AND/OR INSTALLED UNDER THIS CONTRACT, BY OTHER DISCIPLINES ARE ALSO SHOWN IN LIGHT LINES. HEAVY LINE WORK INDICATES ELECTRICAL MATERIALS AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED OR EXISTING ELECTRICAL INSTALLATION TO BE MODIFIED, ADJUSTED AND OR REINSTALLED AS SHOWN ON THE CONTRACT DRAWINGS.
- MAINTAIN THE INTEGRITY OF ALL CIRCUITS IN SERVICE THAT MAY BE AFFECTED BY THIS WORK.
- IDENTIFY ALL SOURCES OF POWER AND DE-ENERGIZE REQUIRED CIRCUITS BEFORE COMMENCEMENT OF WORK.
- FOR EACH RACEWAY, PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.
- UON, ALL WIRING SHALL BE INSTALLED IN APPROVED RACEWAYS.
- FURNISH AND INSTALL ALL NECESSARY MATERIAL IN ORDER TO PROVIDE A COMPLETE SYSTEM READY FOR OPERATION, ACCORDING TO CONTRACT DOCUMENTS AND APPLICABLE CODES.
- UON, ALL ITEMS TO BE SECURED SHALL BE FASTENED TO STEEL BY THREADED BEAM CLAMPS WITH LOCKING NUTS. ALL FASTENING HARDWARE SHALL BE STAINLESS STEEL AND SHALL INCLUDE SHAKE PROOF (EXTERNAL STAR) LOCK WASHERS. ALL BOLTS SHALL HAVE LOCK WASHERS ELASTIC STOP NUTS IN ADDITION TO REGULAR NUTS. SCREWS SHALL BE TAMPERPROOF AND BOLT ENDS SHALL BE PEENED.
- FURNISH AND INSTALL A PERMANENTLY AFFIXED LABEL ON ELECTRICAL EQUIPMENT. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED WITH THE MAXIMUM AVAILABLE FAULT CURRENT. PROVIDE TYPED CIRCUIT DIRECTORIES FOR PANELBOARDS. ALL LABELS ON ELECTRICAL EQUIPMENT SHALL INDICATE THE SOURCE OF SUPPLY.
- FOR ALL JUNCTION BOXES AND ENCLOSURES INSTALLED IN DAMP OR WET LOCATIONS, CONDUITS SHALL ENTER ONLY THROUGH THE BOTTOM OR SIDES OF THE JUNCTION BOX OR ENCLOSURE. TOP CONDUIT ENTRIES SHALL NOT BE PERMITTED. ALL CONDUIT CONNECTIONS SHALL BE MOISTURE TIGHT. USE MOISTURE TIGHT HUBS FOR ALL CONDUIT ENTRANCES INTO EQUIPMENT ENCLOSURES.
- COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES.
- UON, ALL EXISTING ELECTRICAL INSTALLATIONS SHALL REMAIN.
- GROUND ALL METALLIC ENCLOSURES PER CONTRACT SPECIFICATIONS.
- ALL FLEXIBLE METAL CONDUIT SHALL BE OF THE TYPE "LFMC" LIQUIDTIGHT FLEXIBLE METAL CONDUIT.
- ALL CONDUITS SHALL CONTAIN AN INSULATED GROUND WIRE BONDED IN ALL ENCLOSURES AND SIZED IN ACCORDANCE WITH NEC REQUIREMENTS.
- UON, FURNISH AND INSTALL WIRING, CONDUIT, AND NECESSARY EQUIPMENT/DEVICES AS REQUIRED TO ENSURE A COMPLETE AND FULLY OPERATIONAL HVAC SYSTEM. COMPLY WITH THE REQUIREMENTS DESCRIBED AND SHOWN ON THE MECHANICAL DRAWINGS AND SPECIFICATIONS.
- AFTER COMPLETION OF WORK, SUBMIT REPRODUCIBLE AS-BUILT DRAWINGS TO THE ENGINEER.
- ALL 15KV RATED CABLE TERMINATIONS AT UTILITY RISER POLE OR AT LIVE FRONT EQUIPMENT SHALL BE OUTDOOR TYPE STRESS CONES. ALL 15KV RATED CABLE TERMINATIONS AT DEAD FRONT EQUIPMENT SHALL BE LOAD BREAK TYPE.

ABBREVIATIONS:

'	FEET
"	INCHES
&	AND
°C	DEGREES CELSIUS
# / NO.	NUMBER
1/C	ONE CONDUCTOR
3/C	THREE CONDUCTOR
4/C	FOUR CONDUCTOR
A, AMP	AMPERES
AAP	aisle ACCESS PANEL
AF	AMPERE FRAME SIZE
AS/RS	AUTOMATIC SUPPLY / RETRIEVAL SYSTEM
AT	AMPERE TRIP SETTING
ATS	AUTOMATIC TRANSFER SWITCH
BL	BASIC IMPULSE LEVEL
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CU	COPPER
DSF	DESTRATIFICATION FAN
DWG	DRAWING
EM	EMERGENCY
EQ	EQUIPMENT
G, GND	GROUND
GEC	GROUNDING ELECTRODE CONDUCTOR
HP	HORSEPOWER
HV	HEATING & VENTILATION
HVAC	HEATING, VENTILATION, AIR-CONDITIONING
HZ	HERTZ
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
LS	LIFE SAFETY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CONTROL PANEL
MLO	MAIN LUGS ONLY
MH	MOUNTING HEIGHT
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NICET	NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES
NRTL	NATIONAL RECOGNIZED TESTING LABORATORY
NTS	NOT TO SCALE
O&R	ORANGE AND ROCKLAND UTILITY
P	POLE
PH	PHASE
SRM	STORAGE RETRIEVAL MACHINE
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VRC	VERTICAL RECIPROCATING CONVEYOR
W	WIRE

ELECTRICAL DRAWING LIST

Sheet Number	Sheet Title
E-001	ELECTRICAL LEGEND, GENERAL NOTES, ABBREVIATIONS, & DRAWING LIST
E-002	ELECTRICAL OVERALL KEY PLAN
E-101	ELECTRICAL LIGHTING PLAN - ASRS WAREHOUSE (NORTH)
E-102	ELECTRICAL LIGHTING PLAN - ASRS WAREHOUSE (SOUTH)
E-103	ELECTRICAL LIGHTING PLAN - PART WAREHOUSE & 1ST MEZZ.
E-104	ELECTRICAL LIGHTING PLAN - 2ND MEZZANINE
E-105	ELECTRICAL LIGHTING PLAN - ADMIN OFFICE
E-106	ELECTRICAL LIGHTING PLAN - PARKING DECK
E-107	ELECTRICAL SITE LIGHTING PLAN - 20 DUNNIGAN (NORTH)
E-108	ELECTRICAL SITE LIGHTING PLAN - 10 DUNNIGAN (NORTH)
E-109	ELECTRICAL SITE LIGHTING PLAN - 10 DUNNIGAN (SOUTH)
E-110	ELECTRICAL LIGHTING PLAN - CANOPY
E-201	ELECTRICAL POWER PLAN - WAREHOUSE LEVEL (NORTH)
E-202	ELECTRICAL POWER PLAN - WAREHOUSE LEVEL (SOUTH)
E-203	ELECTRICAL POWER PLAN - PART WAREHOUSE & 1ST MEZZ.
E-204	ELECTRICAL POWER PLAN - 2ND MEZZANINE
E-205	ELECTRICAL POWER PLAN - ADMIN OFFICE
E-207	ELECTRICAL POWER PLAN - ADMIN ROOF
E-208	ELECTRICAL POWER PLAN - 10 DUNNIGAN (NORTH)
E-209	ELECTRICAL POWER PLAN - 10 DUNNIGAN (SOUTH)
E-210	ELECTRICAL POWER PLAN - 20 DUNNIGAN (NORTH)
E-211	ELECTRICAL POWER PLAN - 20 DUNNIGAN (SOUTH)
E-301	MECHANICAL POWER PLAN - WAREHOUSE LEVEL (NORTH)
E-302	MECHANICAL POWER PLAN - WAREHOUSE LEVEL (SOUTH)
E-303	MECHANICAL POWER PLAN - PART WAREHOUSE & 1ST MEZZ.
E-304	MECHANICAL POWER PLAN - 2ND MEZZANINE
E-305	MECHANICAL POWER PLAN - ADMIN OFFICE
E-307	MECHANICAL POWER PLAN - ADMIN ROOF
E-308	MECHANICAL POWER PLAN - 10 DUNNIGAN (NORTH)
E-309	MECHANICAL POWER PLAN - 10 DUNNIGAN (SOUTH)
E-310	MECHANICAL POWER PLAN - 20 DUNNIGAN (NORTH)
E-311	MECHANICAL POWER PLAN - 20 DUNNIGAN (SOUTH)
E-312	MECHANICAL POWER PLAN - WAREHOUSE ROOF (NORTH)
E-313	MECHANICAL POWER PLAN - WAREHOUSE ROOF (SOUTH)
E-401	ELECTRICAL SERVICE & GENERATOR AREAS - INSTALLATIONS
E-402	ELECTRICAL ROOM PART PLANS - INSTALLATIONS
E-403	ELECTRICAL SERVICE YARD - CONDUIT & GROUNDING PLAN
E-501	ELECTRICAL GROUNDING DETAILS
E-502	ELECTRICAL DETAILS
E-601	ELECTRICAL PANEL SCHEDULES SHEET 1 OF 6
E-602	ELECTRICAL PANEL SCHEDULES SHEET 2 OF 6
E-603	ELECTRICAL PANEL SCHEDULES SHEET 3 OF 6
E-604	ELECTRICAL PANEL SCHEDULES SHEET 4 OF 6
E-605	ELECTRICAL PANEL SCHEDULES SHEET 5 OF 6
E-606	ELECTRICAL PANEL SCHEDULES SHEET 6 OF 6
E-607	LIGHTING FIXTURE SCHEDULE
E-701	ELECTRICAL ONE-LINE DIAGRAM - SHEET 1 OF 3
E-702	ELECTRICAL ONE-LINE DIAGRAM - SHEET 2 OF 3
E-703	ELECTRICAL ONE-LINE DIAGRAM - SHEET 3 OF 3
E-901	ELECTRICAL SPECIFICATIONS SHEET 1 OF 3
E-902	ELECTRICAL SPECIFICATIONS SHEET 2 OF 3
E-903	ELECTRICAL SPECIFICATIONS SHEET 3 OF 3
E-904	MEDIUM VOLTAGE SWITCHGEAR SPECIFICATION
E-905	SWITCHBOARD SPECIFICATION SHEET 1 OF 2
E-906	SWITCHBOARD SPECIFICATION SHEET 2 OF 2

ARCHITECT

di Domenico + Partners LLP



Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER



JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER



BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-682-3503

STRUCTURAL ENGINEER



GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

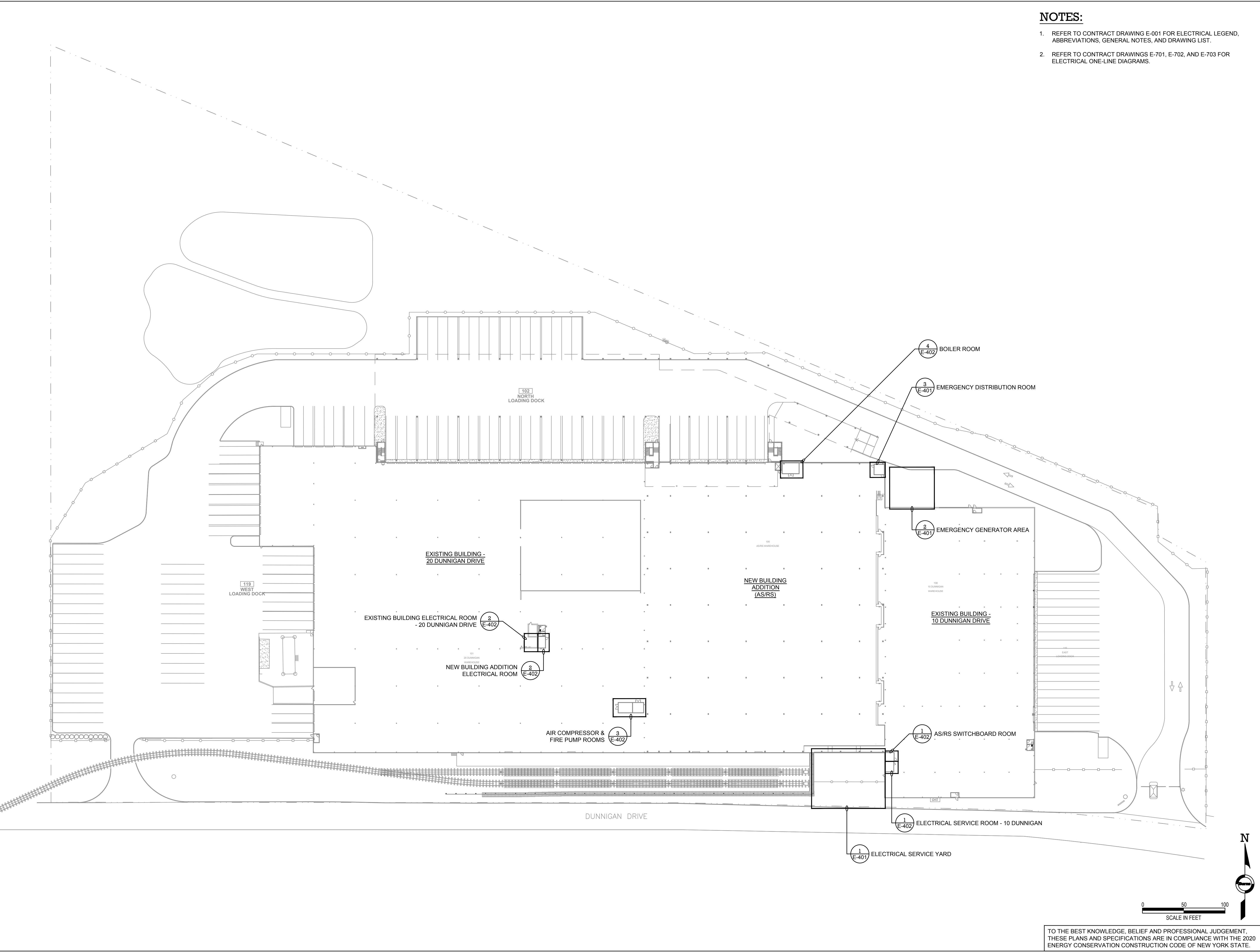
DRAWING TITLE :

ELECTRICAL LEGEND, GENERAL NOTES,
ABBREVIATIONS, & DRAWING LIST

DWG NUMBER :

E-001

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

- NOTES:**
1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
 2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS.

ARCHITECT
di Domenico + Partners LLP
Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER
JMC
JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER
Burns BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER
GEI Consultants
GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282

MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY : M.DIMATTIA
CHECKED BY : B.NEMCHEK
APPROVED BY : J.MIZRAHI
DATE : 09/10/21
SCALE : 1" = 50'

DRAWING TITLE :
ELECTRICAL OVERALL KEY PLAN

DWG NUMBER :
E-002

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS.
3. REFER TO CONTRACT DRAWING E-606 FOR LIGHTING FIXTURE SCHEDULE.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY, LOCATION, AND SPECIFICATIONS OF LIGHTING FIXTURES.
5. REFER TO ARCHITECTURAL DRAWINGS FOR LIGHTING CONTROL SYSTEM SPECIFICATIONS.

MEP ENGINEER

Burns

BURNS ENGINEERING, P.C.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI50


1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282

GEI
Consultants

KEY PLAN

AREA OF WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

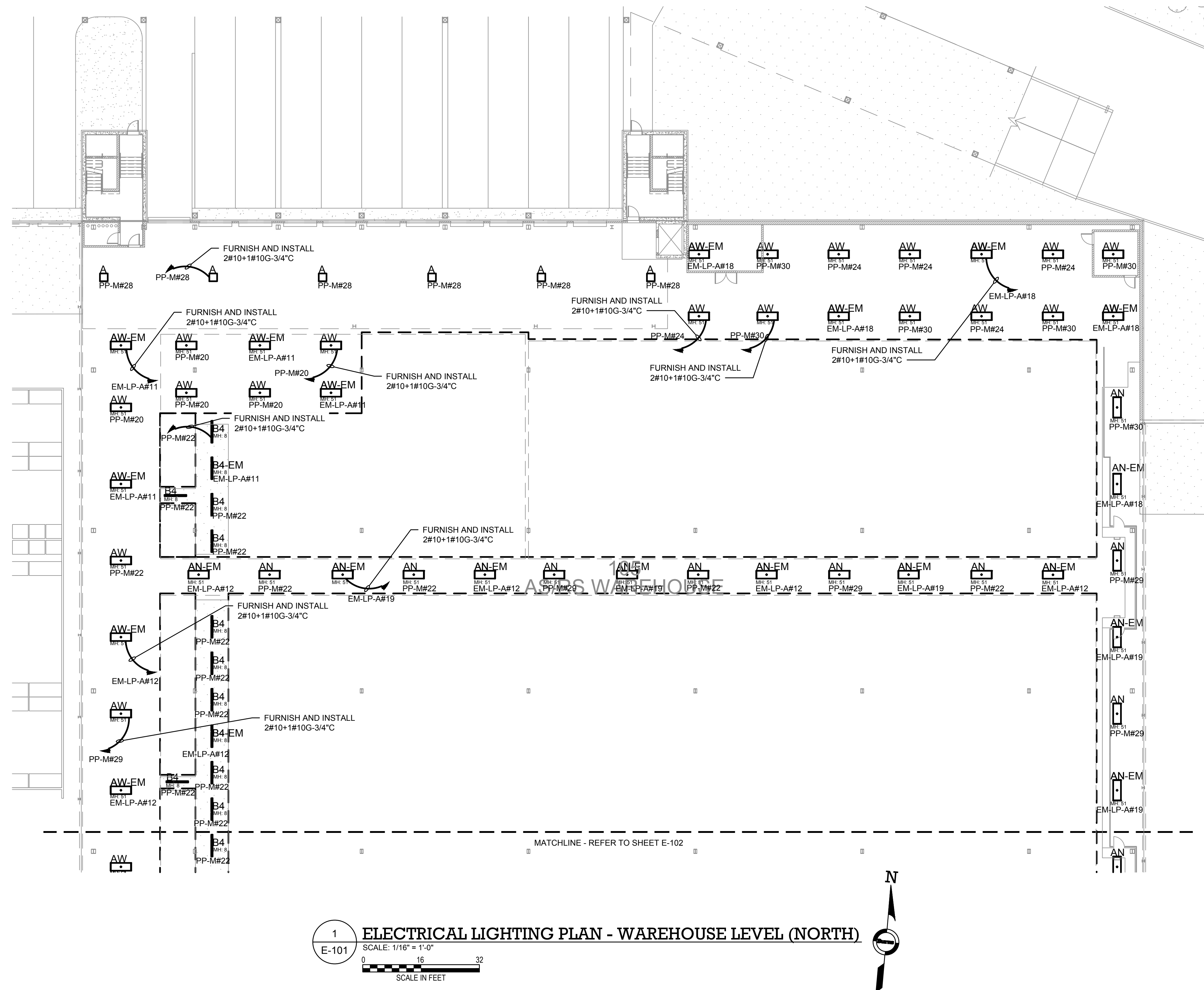
DRAWING TITLE :

ELECTRICAL LIGHTING PLAN -
ASRS WAREHOUSE (NORTH)

DWG NUMBER :

E-101

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS.
3. REFER TO CONTRACT DRAWING E-606 FOR LIGHTING FIXTURE SCHEDULE.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY, LOCATION, AND SPECIFICATIONS OF LIGHTING FIXTURES.
5. REFER TO ARCHITECTURAL DRAWINGS FOR LIGHTING CONTROL SYSTEM SPECIFICATIONS.

MEP ENGINEER

Burns

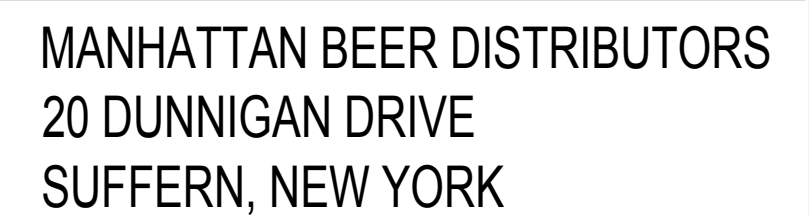
BURNS ENGINEERING, P.C.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI50


1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282

GEI
Consultants

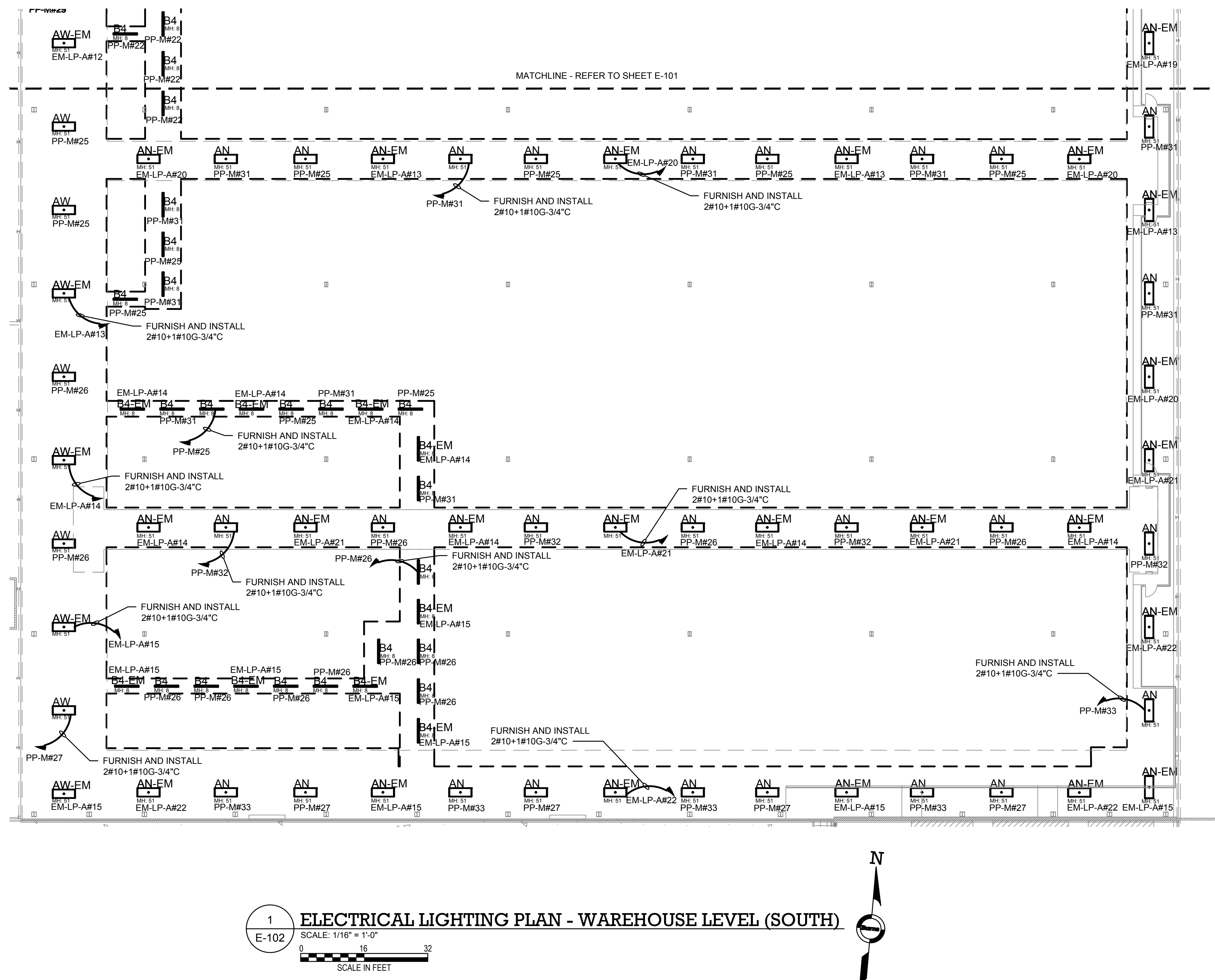


--

DRAWING TITLE :

ELECTRICAL LIGHTING PLAN -
ASRS WAREHOUSE (SOUTH)

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702 AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY, LOCATION, AND SPECIFICATIONS OF LIGHTING FIXTURES.
4. REFER TO ARCHITECTURAL DRAWINGS FOR LIGHTING CONTROL SYSTEM SPECIFICATIONS.
5. REFER TO CONTRACT DRAWING E-606 FOR LIGHTING FIXTURE SCHEDULE

ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning

3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

AREA OF
WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

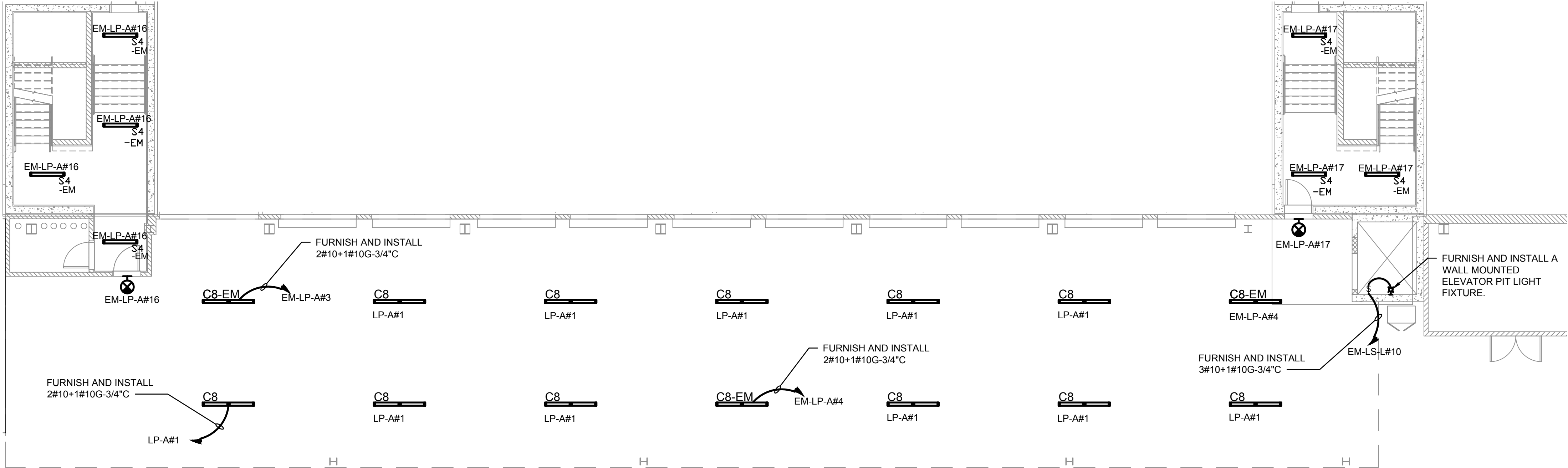
DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

ELECTRICAL LIGHTING PLAN -
PART WAREHOUSE & 1ST MEZZ.

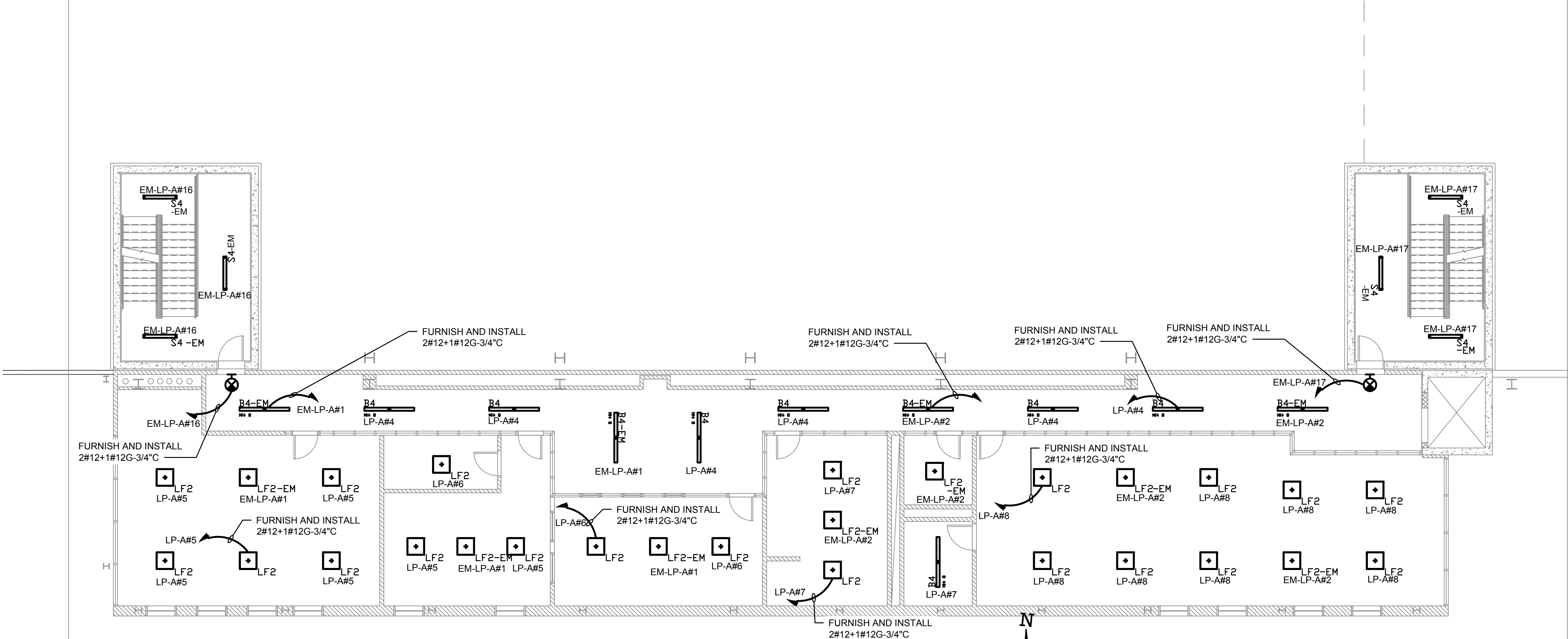
DWG NUMBER :

E-103

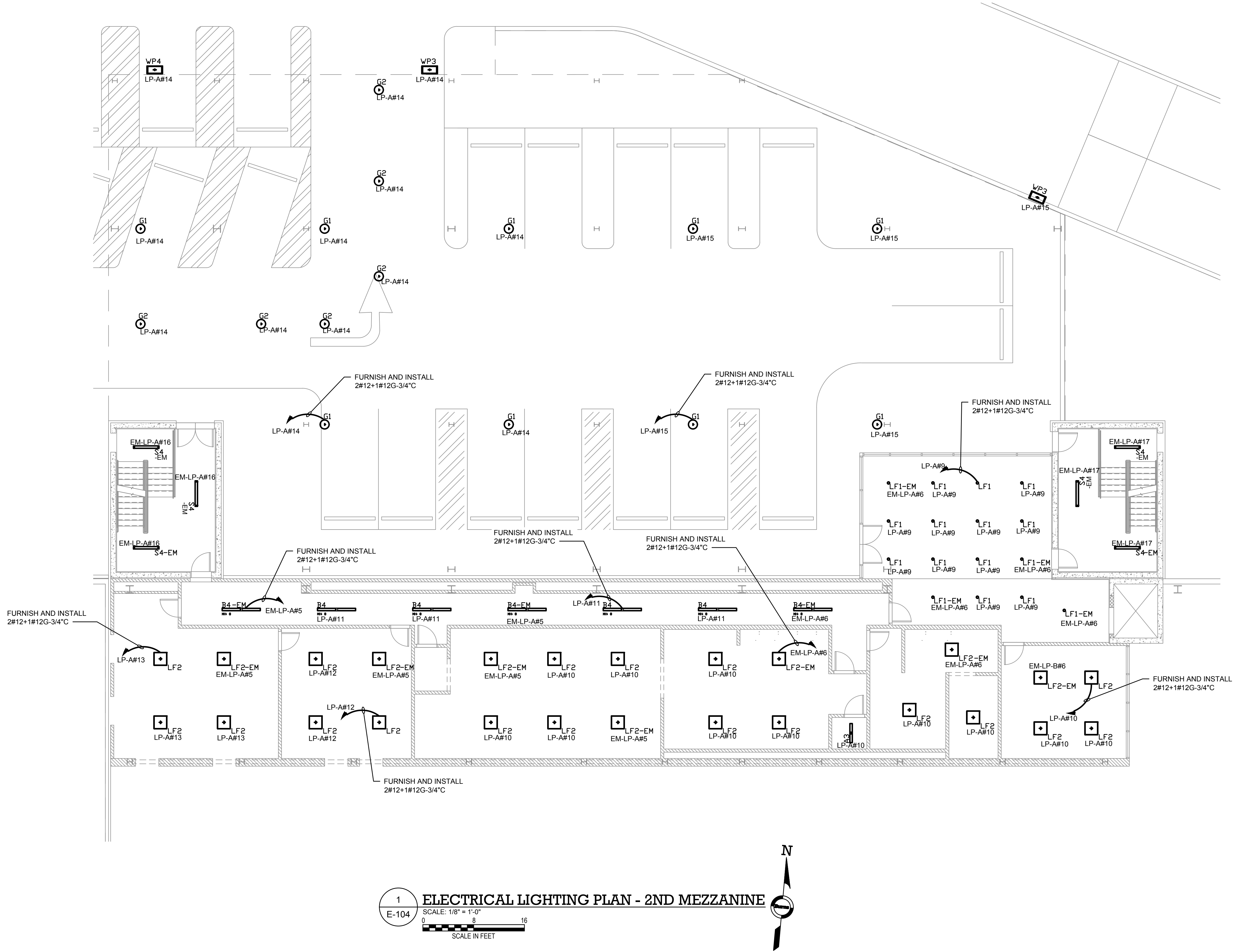
TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



1
E-103
ELECTRICAL LIGHTING PLAN - PART WAREHOUSE
SCALE: 1/8" = 1'-0"
0 8 16
SCALE IN FEET



2
E-103
ELECTRICAL LIGHTING PLAN - 1ST MEZZANINE
SCALE: 1/8" = 1'-0"
0 8 16
SCALE IN FEET



NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702 AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY, LOCATION, AND SPECIFICATIONS OF LIGHTING FIXTURES.
4. REFER TO ARCHITECTURAL DRAWINGS FOR LIGHTING CONTROL SYSTEM SPECIFICATIONS.
5. REFER TO CONTRACT DRAWING E-606 FOR LIGHTING FIXTURE SCHEDULE

ARCHITECT

di Domenico + Partners LLP
Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC
JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

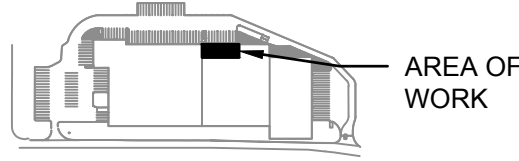
STRUCTURAL ENGINEER

GEI GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN



REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

DRAWING TITLE :

**ELECTRICAL LIGHTING PLAN -
2ND MEZZANINE**

DWG NUMBER :

E-104

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702 AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY, LOCATION, AND SPECIFICATIONS OF LIGHTING FIXTURES.
4. REFER TO ARCHITECTURAL DRAWINGS FOR LIGHTING CONTROL SYSTEM SPECIFICATIONS.
5. REFER TO CONTRACT DRAWING E-606 FOR LIGHTING FIXTURE SCHEDULE

MEP ENGINEER

Burns BURNS ENGINEERING, P.C.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

KEY PLAN

AREA OF WORK

The key plan shows a cross-section of the building. A line points from the text 'AREA OF WORK' to a specific section of the building's roof and upper walls, which is highlighted with a different hatching pattern than the rest of the structure.

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

DWG NUMBER :

E-105

1
E-105

ELECTRICAL LIGHTING PLAN - ADMIN OFFICE

SCALE: 1/8" = 1'-0"

0 8 16

SCALE IN FEET



NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702 AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY, LOCATION, AND SPECIFICATIONS OF LIGHTING FIXTURES.
4. REFER TO ARCHITECTURAL DRAWINGS FOR LIGHTING CONTROL SYSTEM SPECIFICATIONS.
5. REFER TO CONTRACT DRAWING E-606 FOR LIGHTING FIXTURE SCHEDULE

ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

AREA OF WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

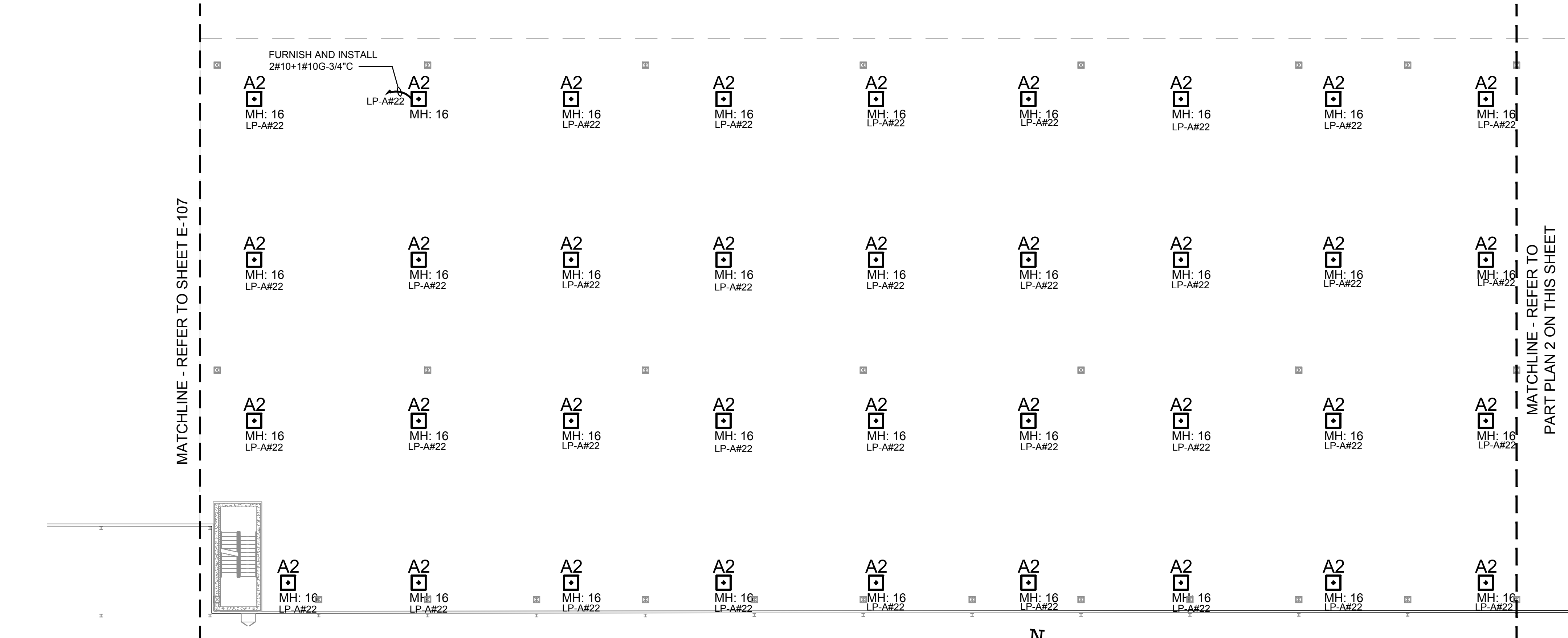
DRAWING TITLE :

ELECTRICAL LIGHTING PLAN -
PARKING DECK

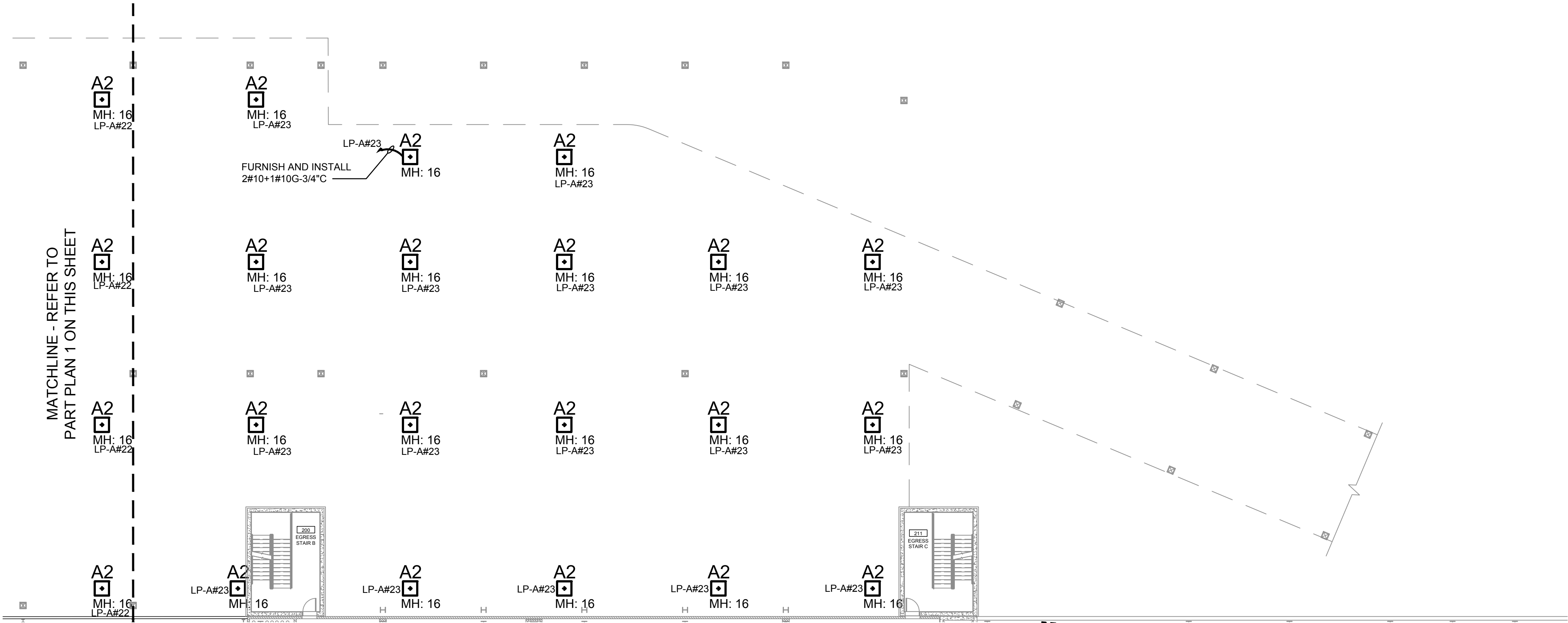
DWG NUMBER :

E-106

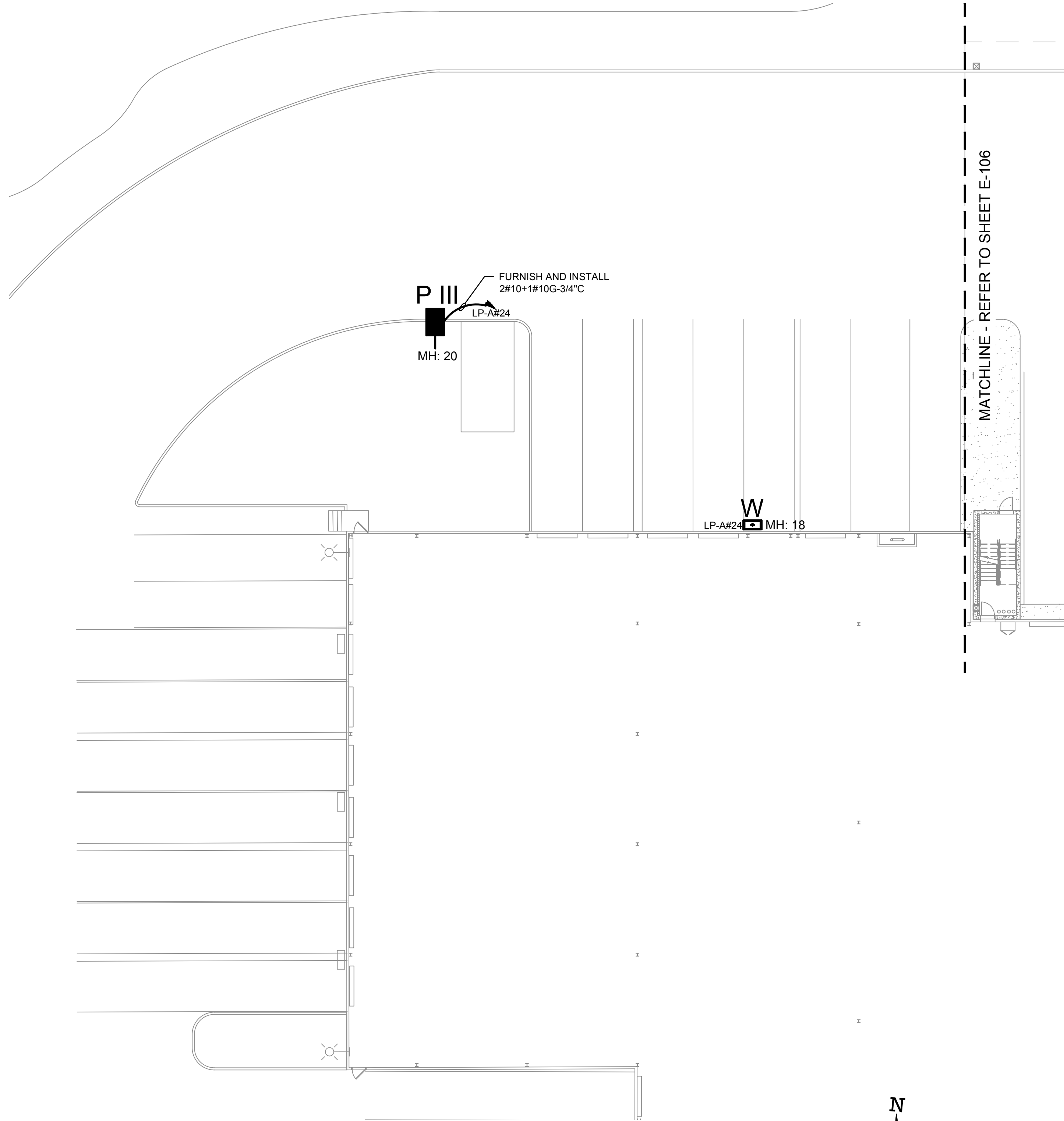
TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



1
E-106
ELECTRICAL LIGHTING PLAN - PARKING DECK (WEST)
SCALE: 1/16\"/>



2
E-106
ELECTRICAL LIGHTING PLAN - PARKING DECK (EAST)
SCALE: 1/16\"/>



1

E-107

ELECTRICAL SITE LIGHTING PLAN - 20 DUNNIGAN (NORTH)

SCALE: 1/16" = 1'-0"

0

16

32

SCALE IN FEET



NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
3. REFER TO CONTRACT DRAWING E-606 FOR LIGHTING FIXTURE SCHEDULE.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY, LOCATION, AND SPECIFICATIONS OF LIGHTING FIXTURES.
5. REFER TO ARCHITECTURAL DRAWINGS FOR LIGHTING CONTROL SYSTEM SPECIFICATIONS.

ARCHITECT

di Domenico + Partners LLP

Architecture

Landscape Architecture

Planning

3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

AREA OF WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

DRAWING TITLE :

ELECTRICAL SITE LIGHTING
PLAN - 20 DUNNIGAN (NORTH)

DWG NUMBER :

E-107

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS.
3. REFER TO CONTRACT DRAWING E-606 FOR LIGHTING FIXTURE SCHEDULE.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY, LOCATION, AND SPECIFICATIONS OF LIGHTING FIXTURES.
5. REFER TO ARCHITECTURAL DRAWINGS FOR LIGHTING CONTROL SYSTEM SPECIFICATIONS.

CIVIL PLANNING ENGINEER

 JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

STRUCTURAL ENGINEER

GEI  **GEI50**
Consultants 1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282

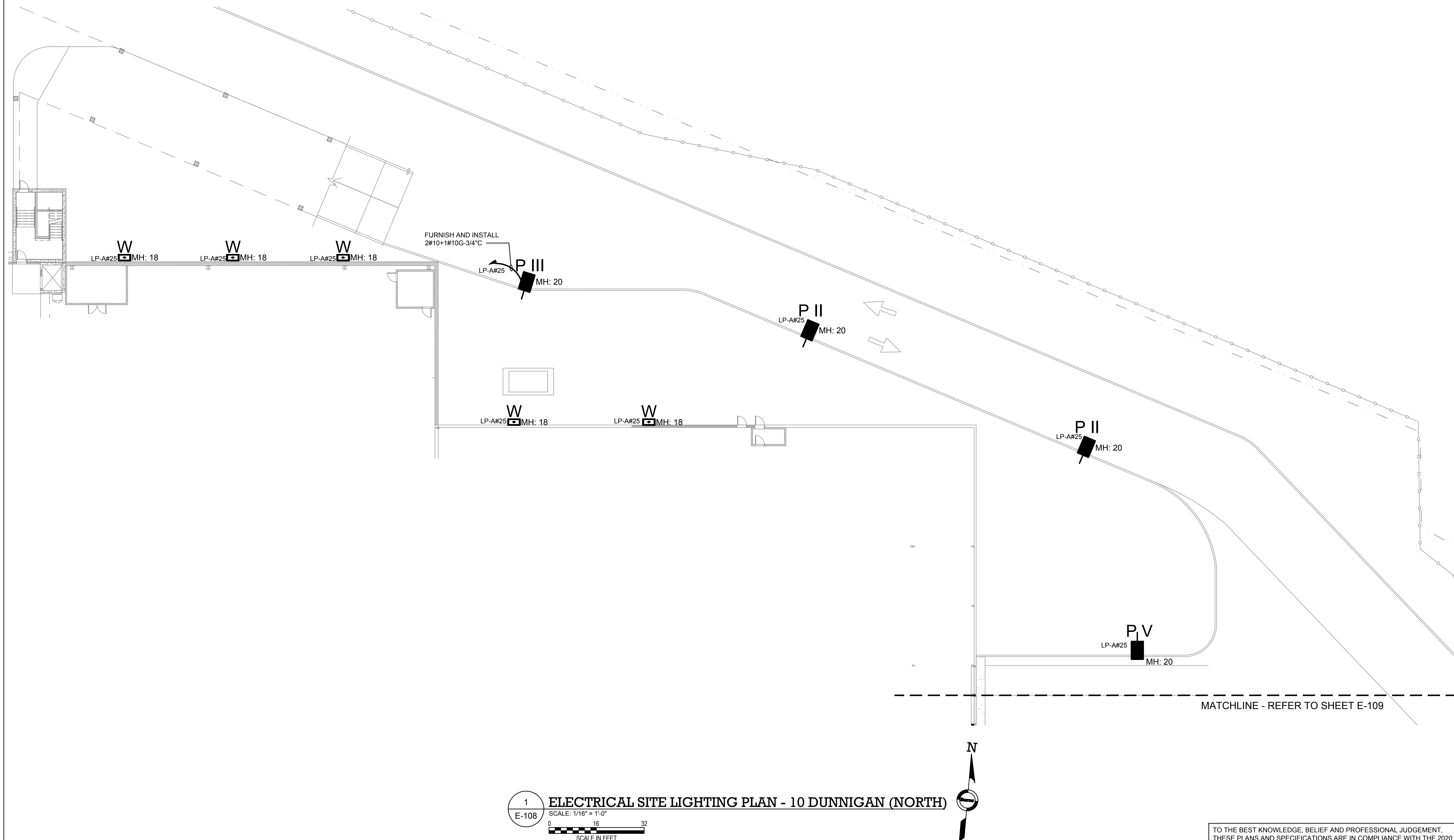
MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWING TITLE :

DWG NUMBER :

E-108



TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
3. REFER TO CONTRACT DRAWING E-606 FOR LIGHTING FIXTURE SCHEDULE.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY, LOCATION, AND SPECIFICATIONS OF LIGHTING FIXTURES.
5. REFER TO ARCHITECTURAL DRAWINGS FOR LIGHTING CONTROL SYSTEM SPECIFICATIONS.

ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

AREA OF WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

DRAWING TITLE :

ELECTRICAL SITE LIGHTING
PLAN - 10 DUNNIGAN (SOUTH)

DWG NUMBER :

E-109

1
E-109

ELECTRICAL SITE LIGHTING PLAN - 10 DUNNIGAN (SOUTH)

SCALE: 1/16" = 1'-0"

SCALE IN FEET



TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY, LOCATION, AND SPECIFICATIONS OF LIGHTING FIXTURES.
4. REFER TO ARCHITECTURAL DRAWINGS FOR LIGHTING CONTROL SYSTEM SPECIFICATIONS.
5. REFER TO CONTRACT DRAWING E-606 FOR LIGHTING FIXTURE SCHEDULE

ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

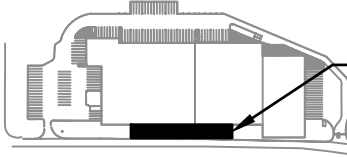
GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN



AREA OF WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

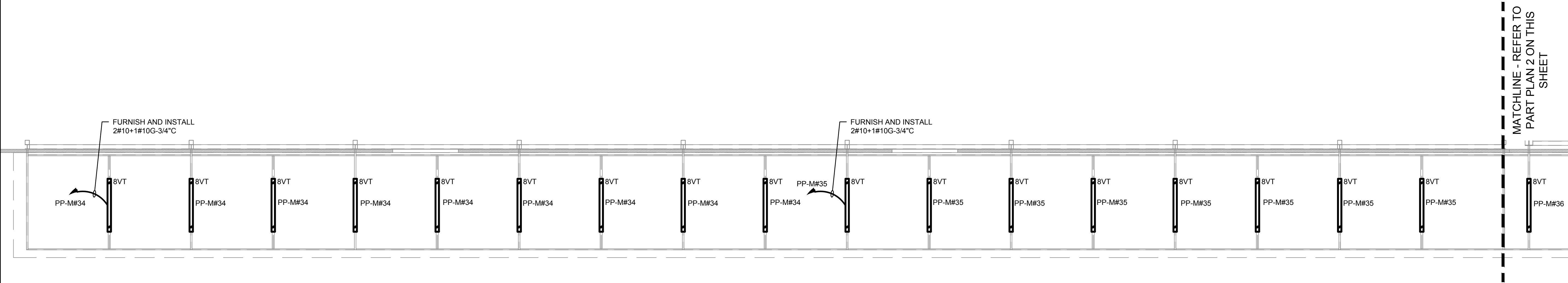
DRAWING TITLE :

ELECTRICAL LIGHTING PLAN -
CANOPY

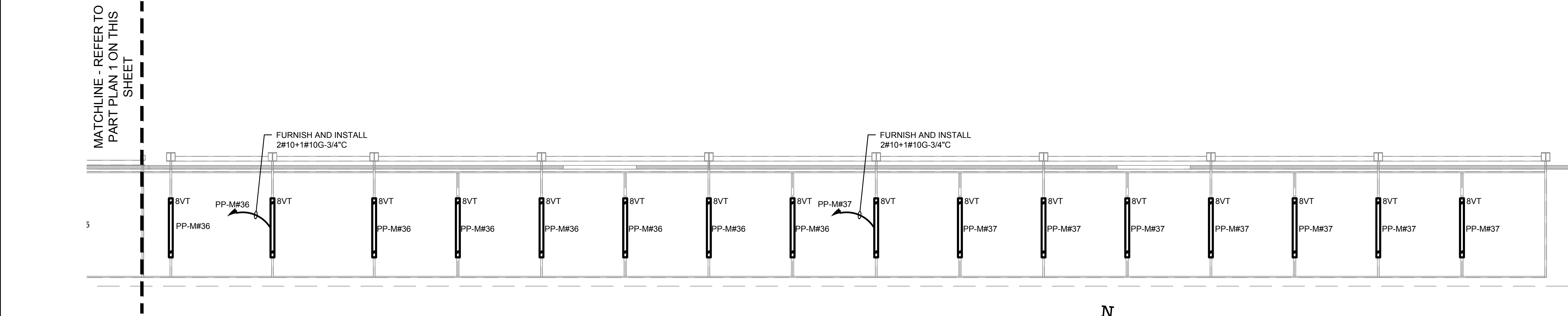
DWG NUMBER :

E-110

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



1
E-110
ELECTRICAL LIGHTING PLAN - PART CANOPY
SCALE: 1/8" = 1'-0"
0 8 16
SCALE IN FEET



2
E-110
ELECTRICAL LIGHTING PLAN - PART CANOPY
SCALE: 1/8" = 1'-0"



AS/RS SYSTEM LEGEND	
SYMBOL	DESCRIPTION
(A)	SRM
(G)	VRC
(B)	MCP
(F)	CONTROL PANEL
(H)	MAINTENANCE RECEPTACLES
(1)	DATA CONNECTION

NOTE: REFER TO AS/RS MANUFACTURER DRAWINGS FOR EXACT POWER REQUIREMENTS AND LOCATIONS OF AS/RS MACHINES AND EQUIPMENT

NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY AND LOCATIONS OF RECEPTACLES AND DATA OUTLETS.
4. REFER TO AS/RS MANUFACTURER DRAWINGS FOR EXACT REQUIREMENTS OF AS/RS EQUIPMENT.

ARCHITECT

di Domenico + Partners LLP



Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER



JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER



BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

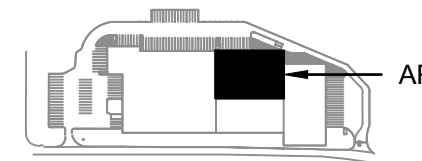


GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN



AREA OF WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
------------	------------

CHECKED BY :	B.NEMCHEK
--------------	-----------

APPROVED BY: J.MIZRAHI

DATE :	09/10/21
--------	----------

SCALE :	AS NOTED
---------	----------

DRAWING TITLE :

ELECTRICAL POWER PLAN -
WAREHOUSE LEVEL (NORTH)

DWG NUMBER :

E-201

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY AND LOCATIONS OF RECEPTACLES AND DATA OUTLETS.
4. REFER TO AS/RS MANUFACTURER DRAWINGS FOR EXACT REQUIREMENTS OF AS/RS EQUIPMENT.

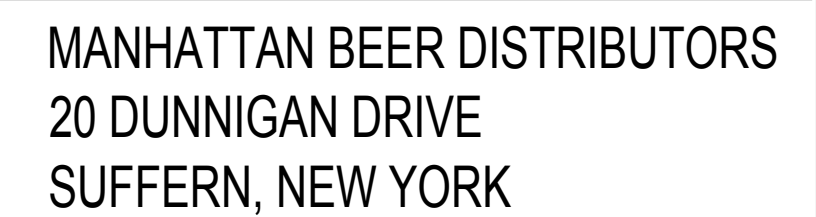
MEP ENGINEER

Burns BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI  **Consultants**

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

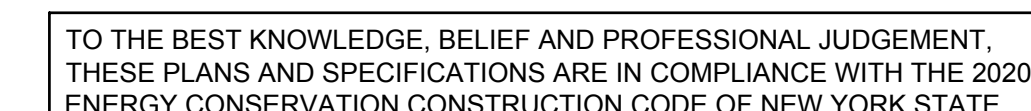
DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

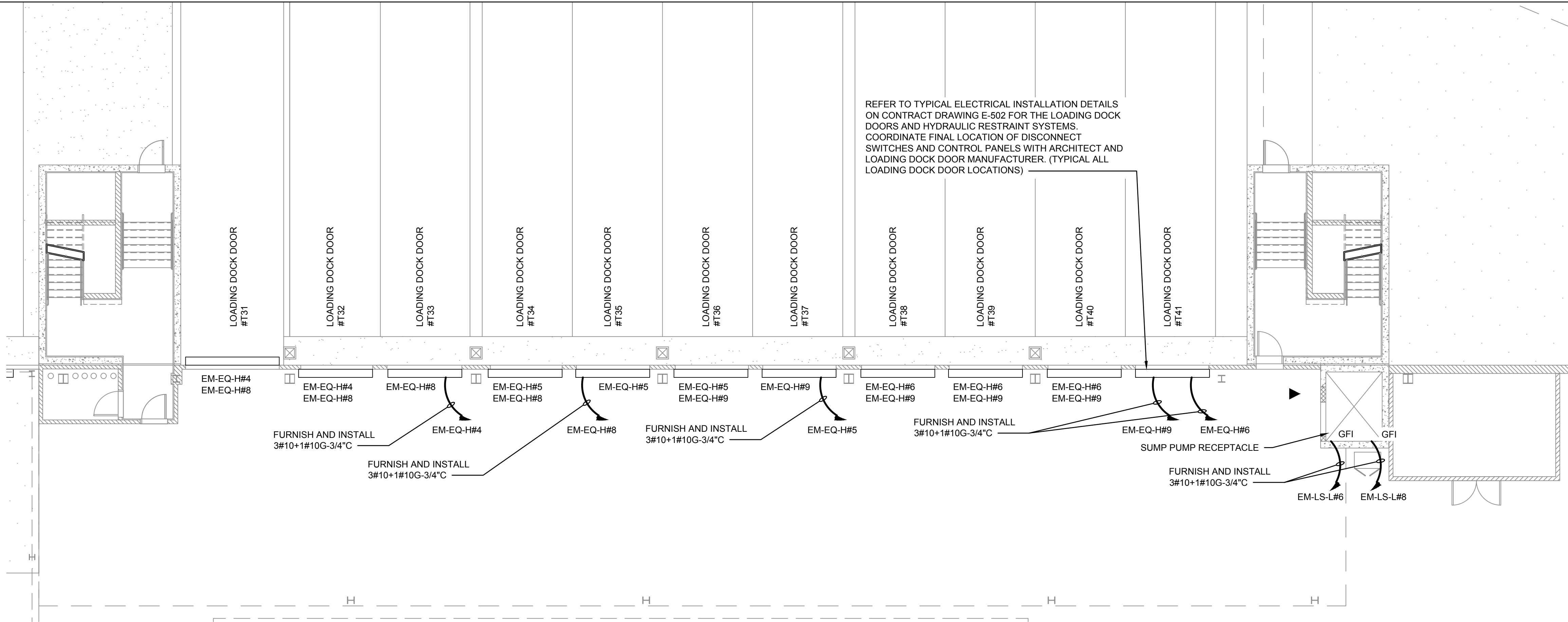
DRAWING TITLE :

ELECTRICAL POWER PLAN -
WAREHOUSE LEVEL (SOUTH)

DWG NUMBER :

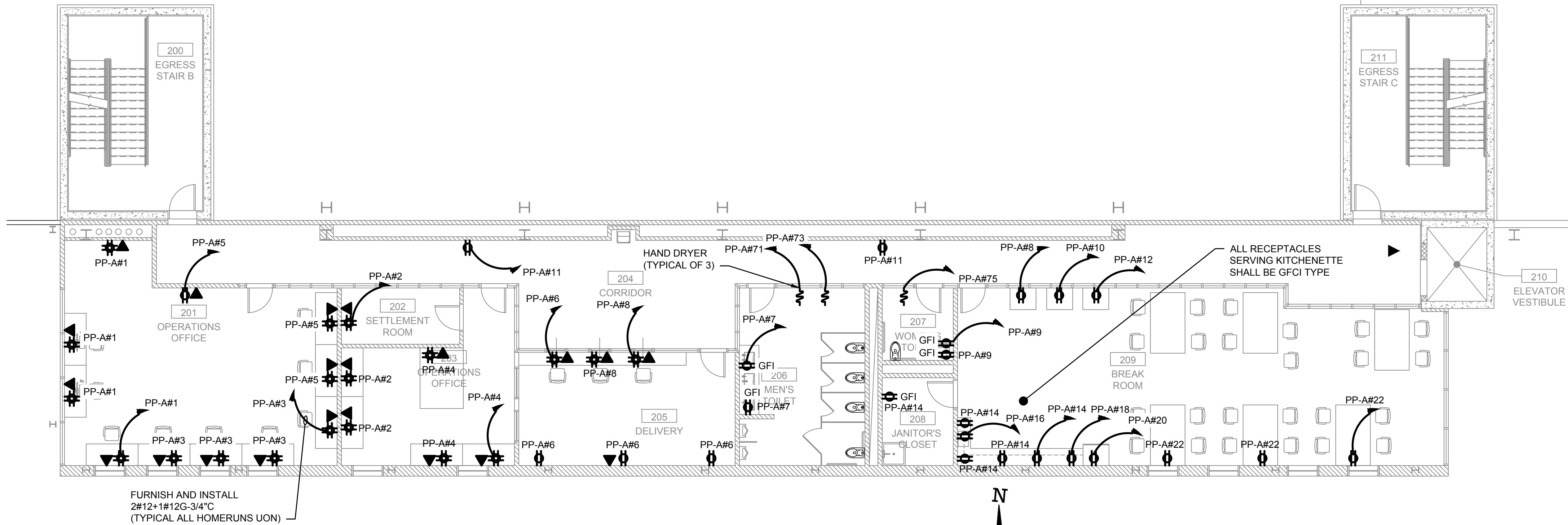
E-202





1
E-203
ELECTRICAL POWER PLAN - PART WAREHOUSE

SCALE: 1/8" = 1'-0"
0 8 16
SCALE IN FEET



2
E-203
ELECTRICAL POWER PLAN - 1ST MEZZANINE

SCALE: 1/8" = 1'-0"
0 8 16
SCALE IN FEET



NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY AND LOCATIONS OF RECEPTACLES AND DATA OUTLETS.

ARCHITECT

di Domenico + Partners LLP
Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC
JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

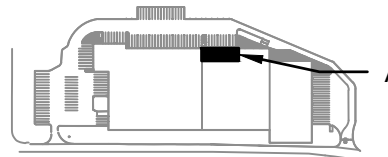
STRUCTURAL ENGINEER

GEI GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282
Consultants



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN



AREA OF WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY : M.DIMATTIA

CHECKED BY : B.NEMCHEK

APPROVED BY : J.MIZRAHI

DATE : 09/10/21

SCALE : AS NOTED

DRAWING TITLE :

ELECTRICAL POWER PLAN -
PART WAREHOUSE & 1ST MEZZ.

DWG NUMBER :

E-203

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

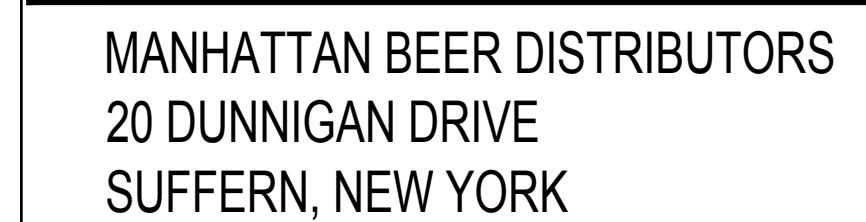
1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY AND LOCATIONS OF RECEPTACLES AND DATA OUTLETS.

CIVIL PLANNING ENGINEER

 JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

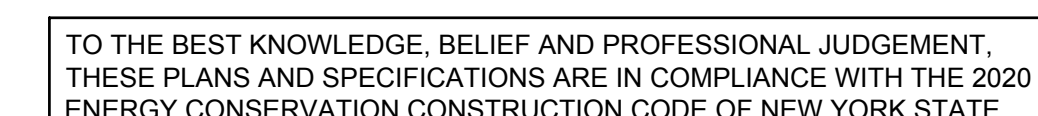
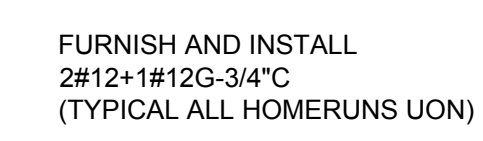
STRUCTURAL ENGINEER

GEI  **GEI50**
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021
DRAWN BY :	M.DIMATTIA	
CHECKED BY :	B.NEMCHEK	
APPROVED BY :	J.MIZRAHI	
DATE :	09/10/21	
SCALE :	AS NOTED	

DWG NUMBER :
E-204



NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM AND ELECTRICAL REQUIREMENTS OF EQUIPMENT.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY AND LOCATIONS OF RECEPTACLES AND DATA OUTLETS.

ARCHITECT

di Domenico + Partners LLP

Architecture

Landscaping Architecture

Planning

3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

AREA OF WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

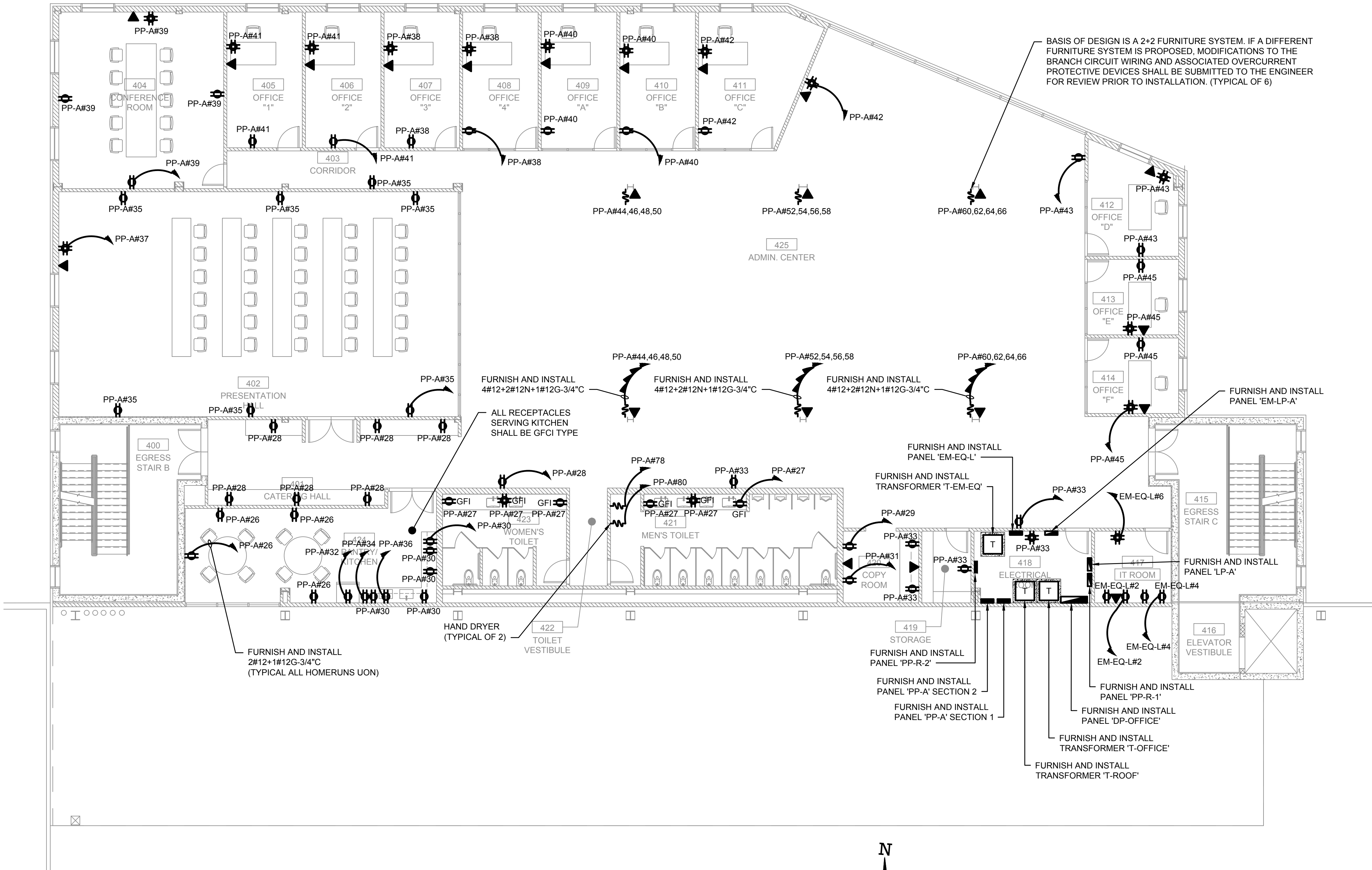
DRAWING TITLE :

ELECTRICAL POWER PLAN -
ADMIN OFFICE

DWG NUMBER :

E-205

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



1

E-205

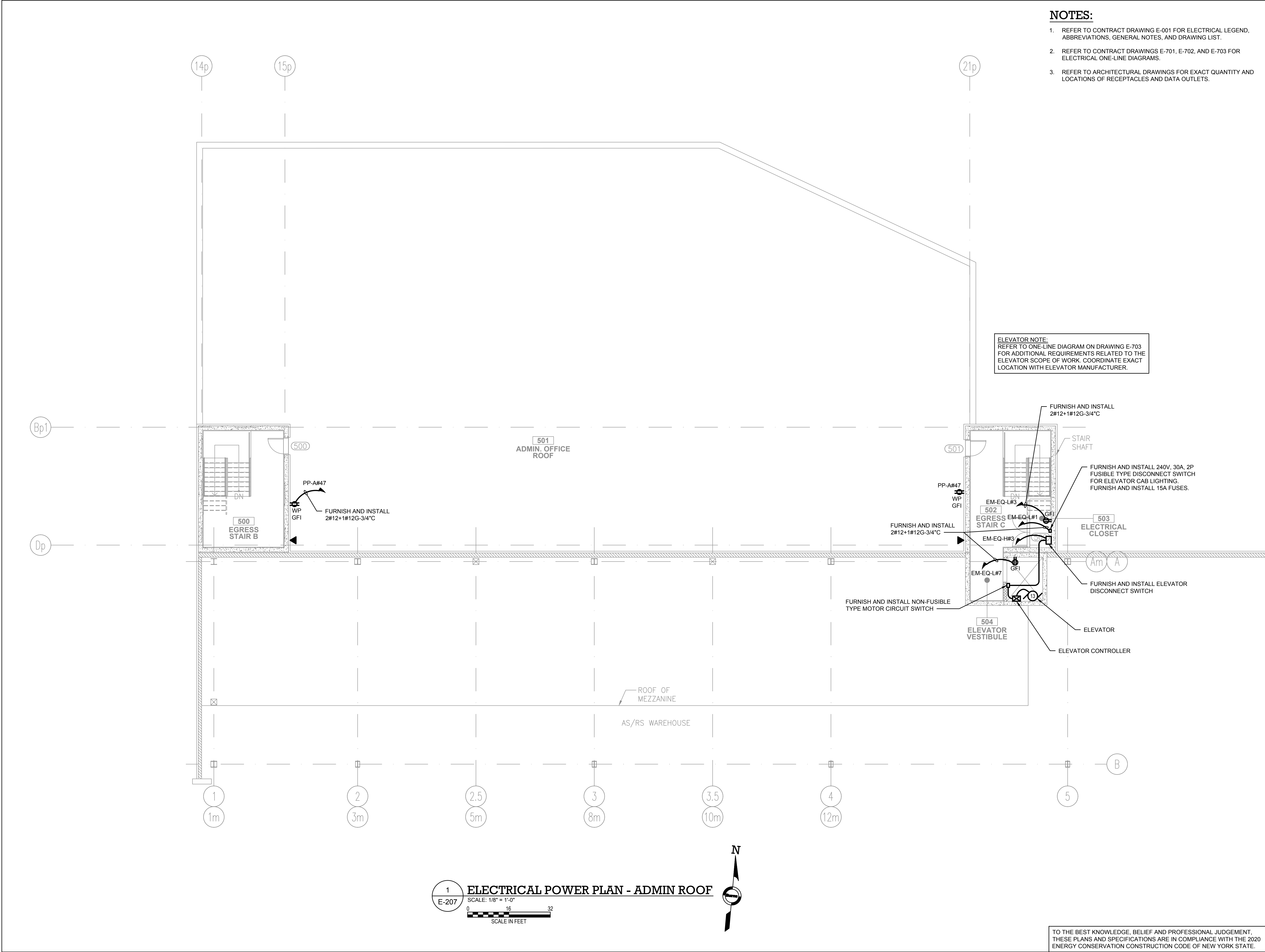
ELECTRICAL POWER PLAN - ADMIN OFFICE

SCALE: 1/8" = 1'-0"

0 8 16

SCALE IN FEET

N



ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282
Consultants

MANHATTAN BEER DISTRIBUTORS

MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

AREA OF WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY : M.DIMATTIA

CHECKED BY : B.NEMCHEK

APPROVED BY : J.MIZRAHI

DATE : 09/10/21

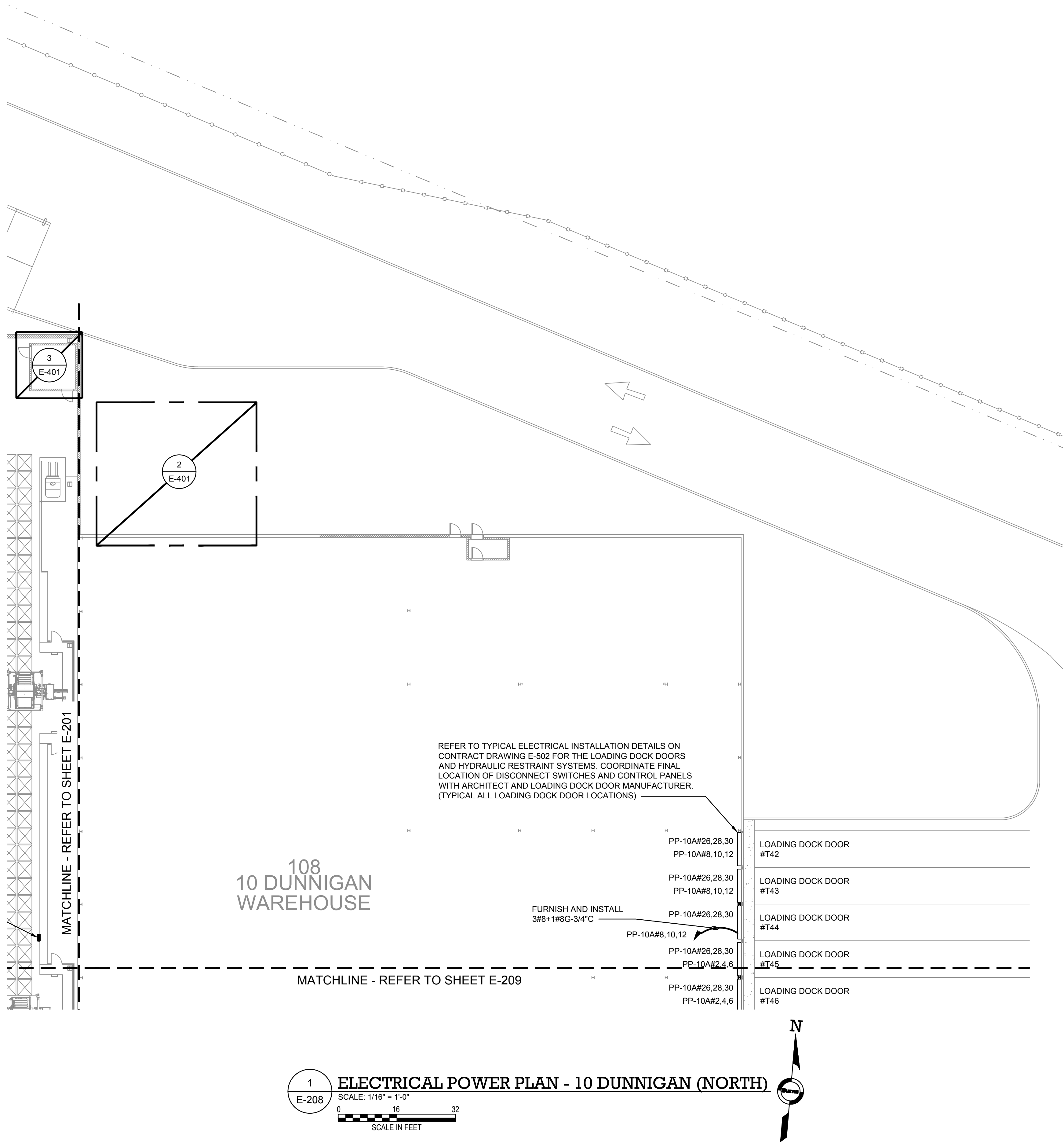
SCALE : AS NOTED

DRAWING TITLE :

ELECTRICAL POWER PLAN - ADMIN ROOF

DWG NUMBER :

E-207



- NOTES:**
1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
 2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
 3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY AND LOCATIONS OF RECEPTACLES AND DATA OUTLETS.
 4. REFER TO AS/RS MANUFACTURER DRAWINGS FOR EXACT REQUIREMENTS OF AS/RS EQUIPMENT.

ARCHITECT

di

Domenico

+ Partners LLP

Architecture

Landscape Architecture

Planning

3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape Architecture & Land Surveying, PLLC

120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.

1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

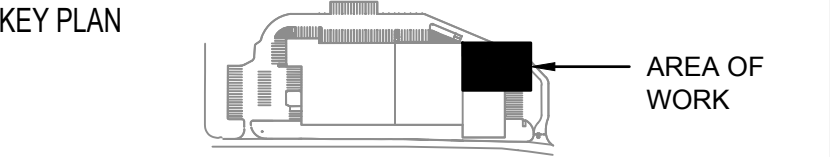
Consultants

GEI50

1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK



REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

DRAWING TITLE :

ELECTRICAL POWER PLAN - 10 DUNNIGAN (NORTH)

DWG NUMBER :

E-208

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

AS/RS SYSTEM LEGEND	
SYMBOL	DESCRIPTION
(A)	SRM
(G)	VRC
(B)	MCP
(F)	CONTROL PANEL
(H)	MAINTENANCE RECEPTACLES
(1)	DATA CONNECTION
NOTE: REFER TO AS/RS MANUFACTURER DRAWINGS FOR EXACT POWER REQUIREMENTS AND LOCATIONS OF AS/RS MACHINES AND EQUIPMENT	

NOTES:

- REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
- REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY AND LOCATIONS OF RECEPTACLES AND DATA OUTLETS.
- REFER TO AS/RS MANUFACTURER DRAWINGS FOR EXACT REQUIREMENTS OF AS/RS EQUIPMENT.

ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

AREA OF WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

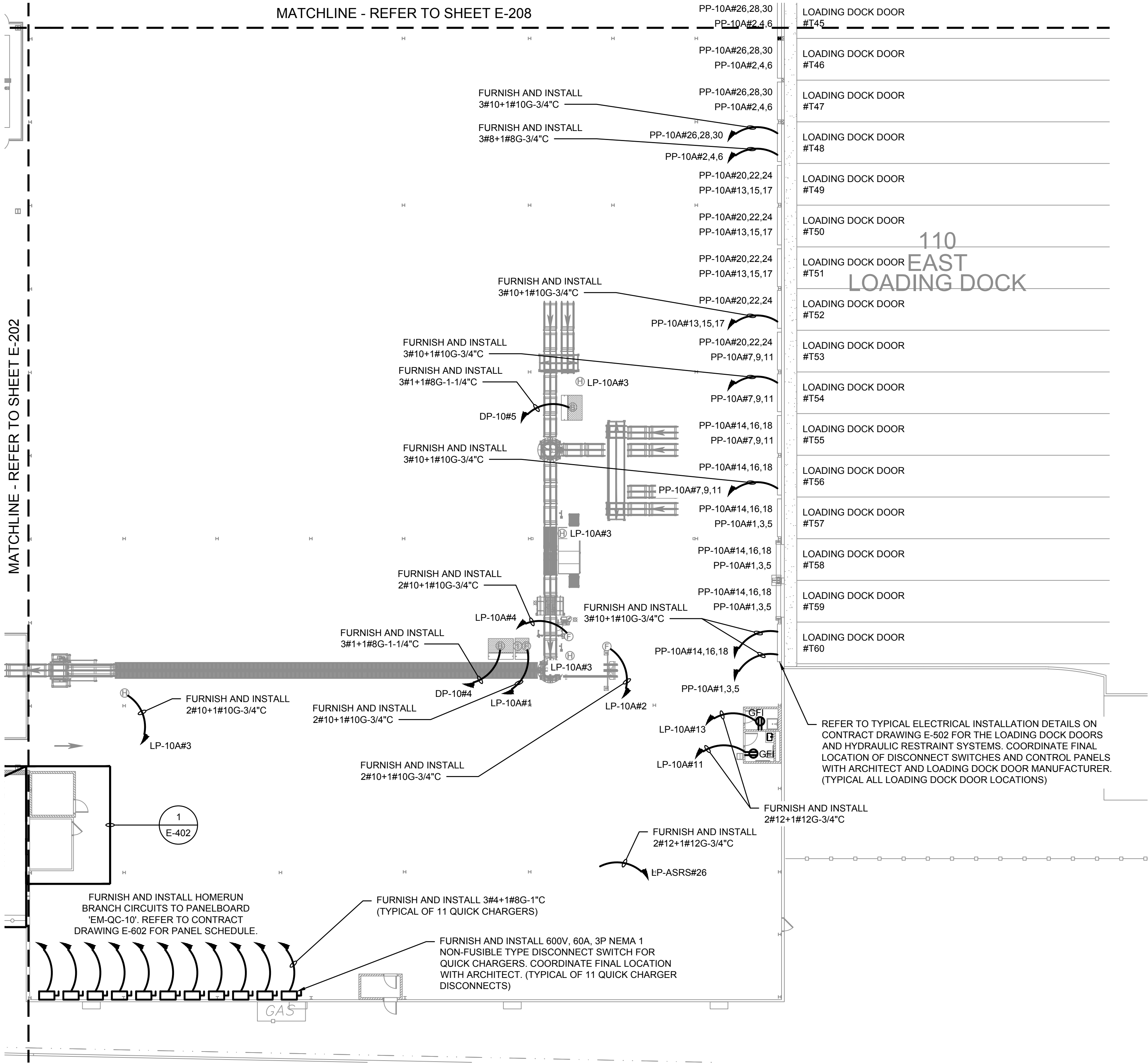
DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

DRAWING TITLE :

ELECTRICAL POWER PLAN - 10
DUNNIGAN (SOUTH)

DWG NUMBER :

E-209



TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY AND LOCATIONS OF RECEPTACLES AND DATA OUTLETS.
4. REFER TO AS/RS MANUFACTURER DRAWINGS FOR EXACT REQUIREMENTS OF AS/RS EQUIPMENT.

ARCHITECT

di Domenico + Partners LLP
Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC
JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns
BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

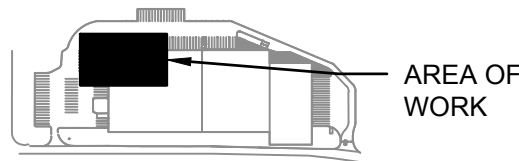
STRUCTURAL ENGINEER

GEI
GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-682-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN



REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

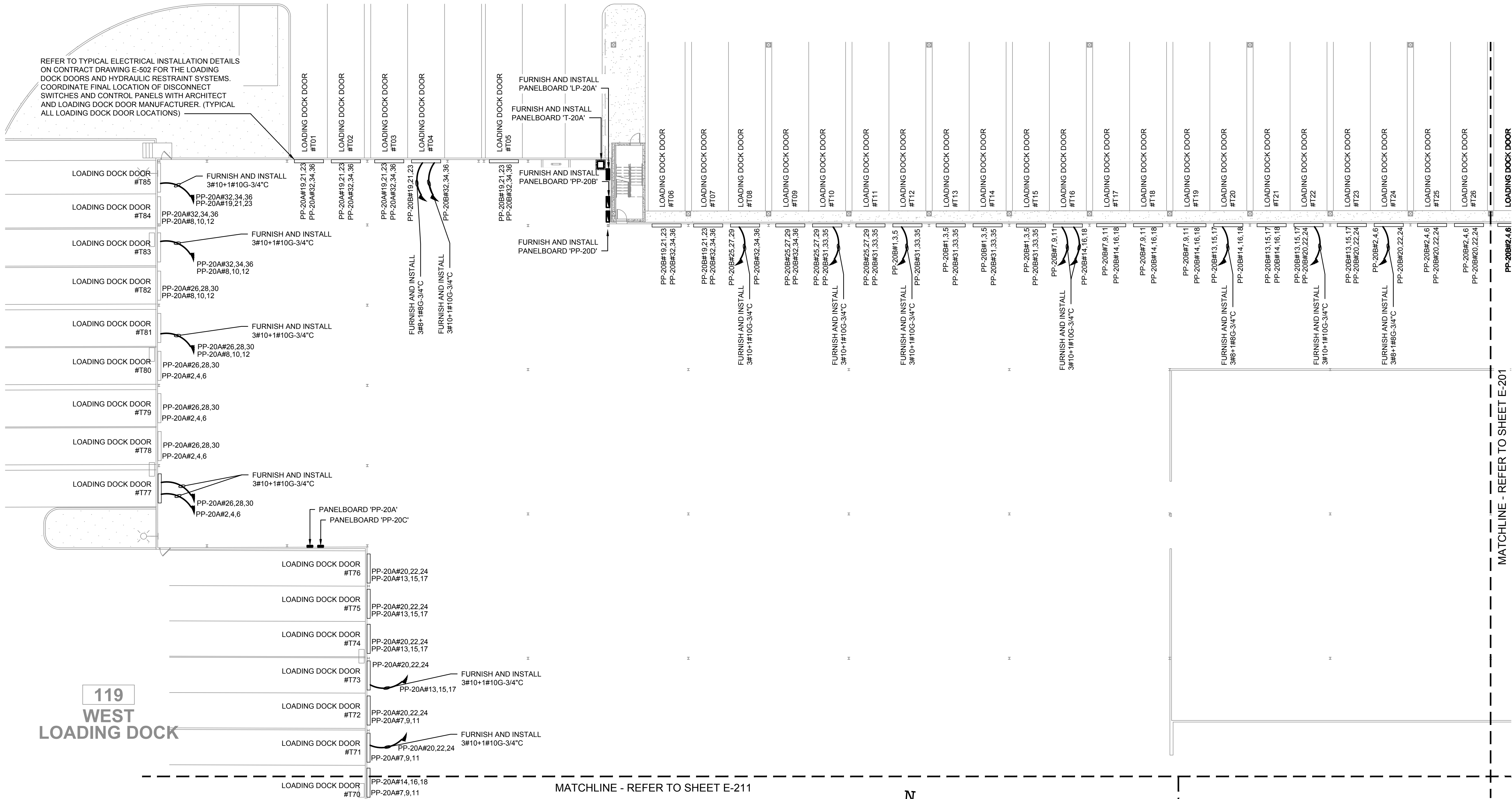
DRAWING TITLE :

ELECTRICAL POWER PLAN - 20
DUNNIGAN (NORTH)

DWG NUMBER :

E-210

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



119
WEST
LOADING DOCK

1
E-210
ELECTRICAL POWER PLAN - 20 DUNNIGAN (NORTH)
SCALE: 1/16" = 1'-0"
0 16 32
SCALE IN FEET



1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT QUANTITY AND LOCATIONS OF RECEPTACLES AND DATA OUTLETS.
4. REFER TO AS/RS MANUFACTURER DRAWINGS FOR EXACT REQUIREMENTS OF AS/RS EQUIPMENT.

CIVIL PLANNING ENGINEER

 JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

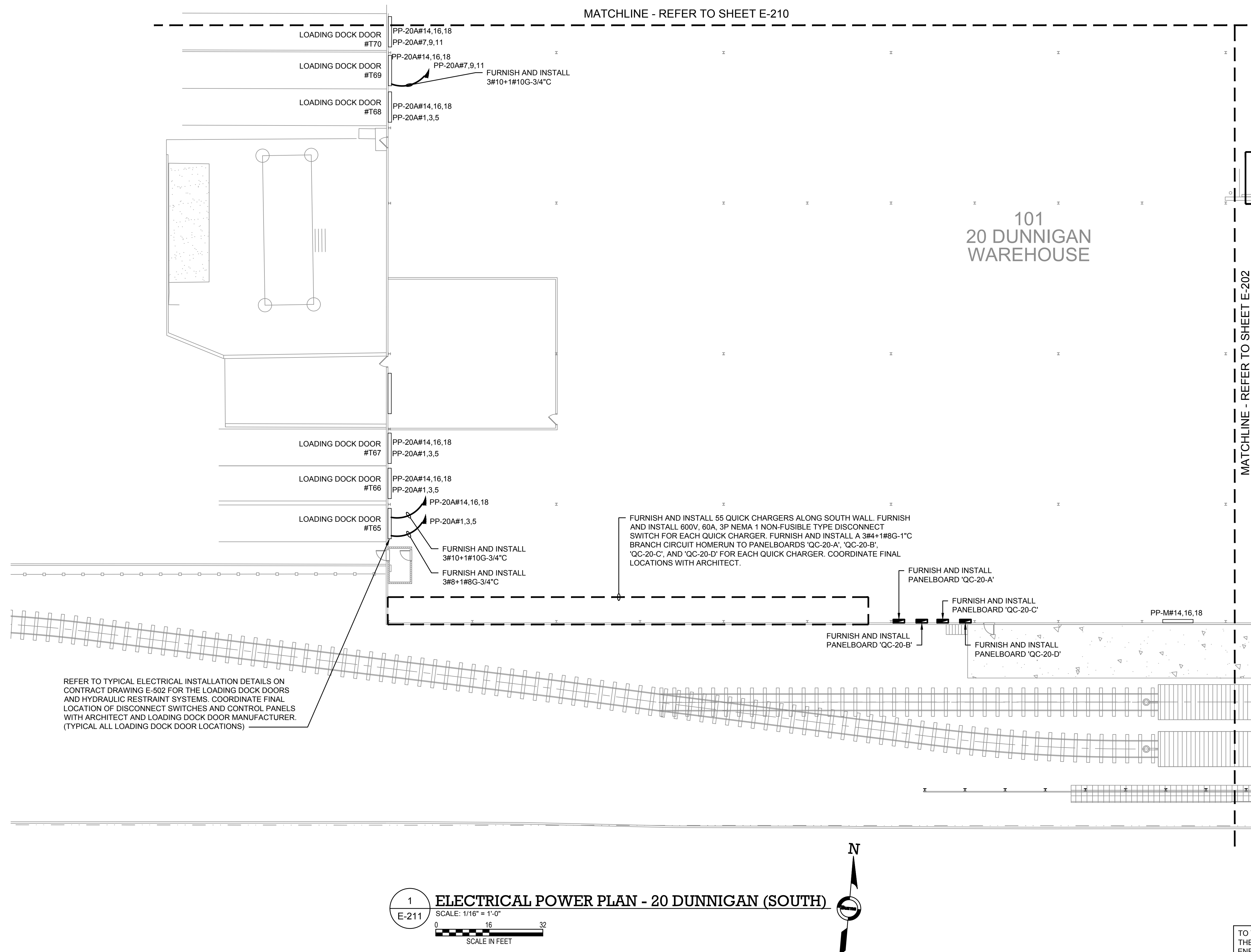
STRUCTURAL ENGINEER

GEI  **GEI50**
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282

MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

	DWG NUMBER : E-211
--	---------------------------



- NOTES:
1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
 2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
 3. REFER TO MECHANICAL CONTRACT DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT.

ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning

3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

AREA OF WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

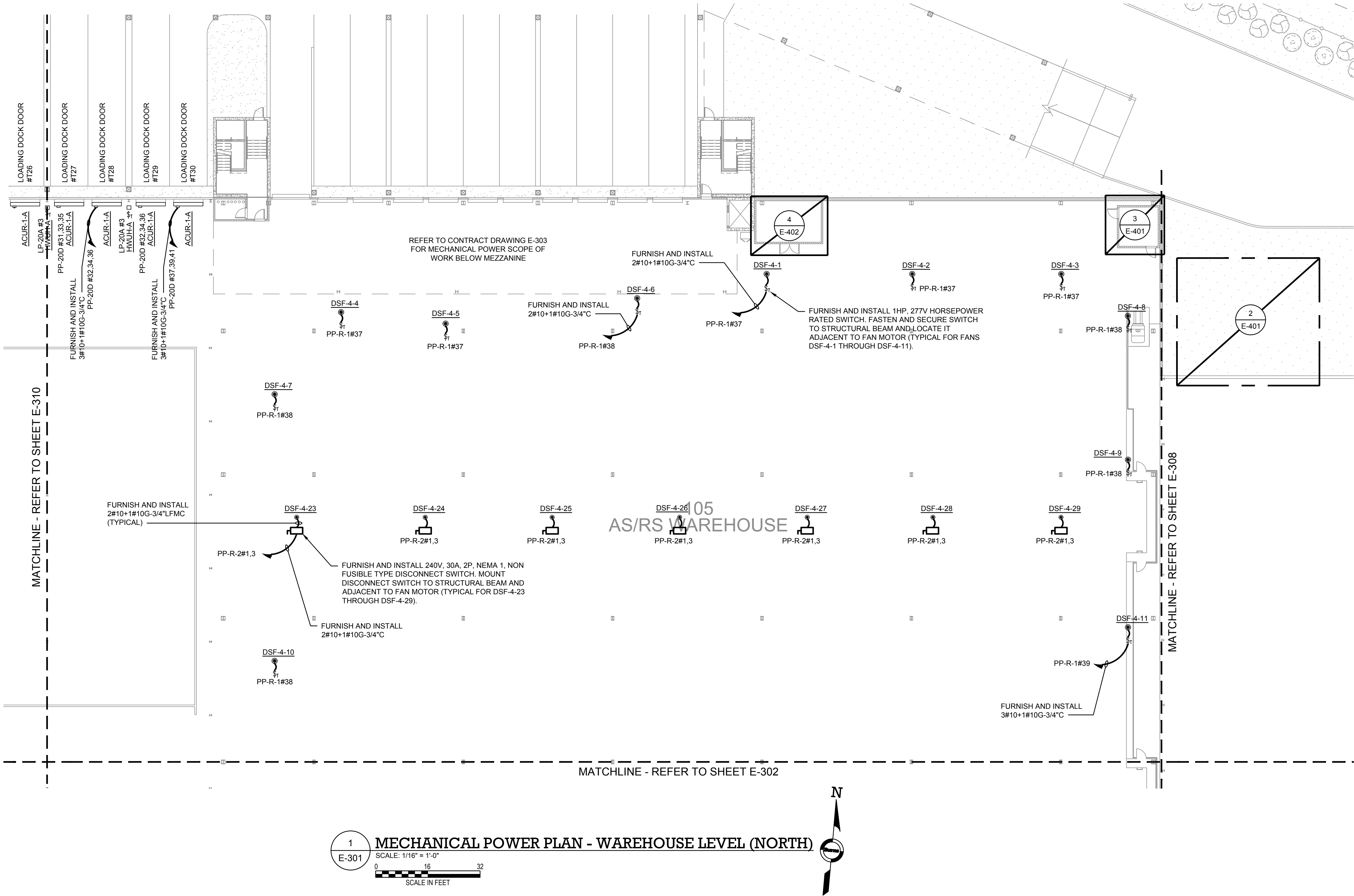
DRAWING TITLE :

MECHANICAL POWER PLAN - WAREHOUSE LEVEL (NORTH)

DWG NUMBER :

E-301

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
3. REFER TO MECHANICAL CONTRACT DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT.

ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282

MANHATTAN
BEER DISTRIBUTORS

MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

AREA OF
WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

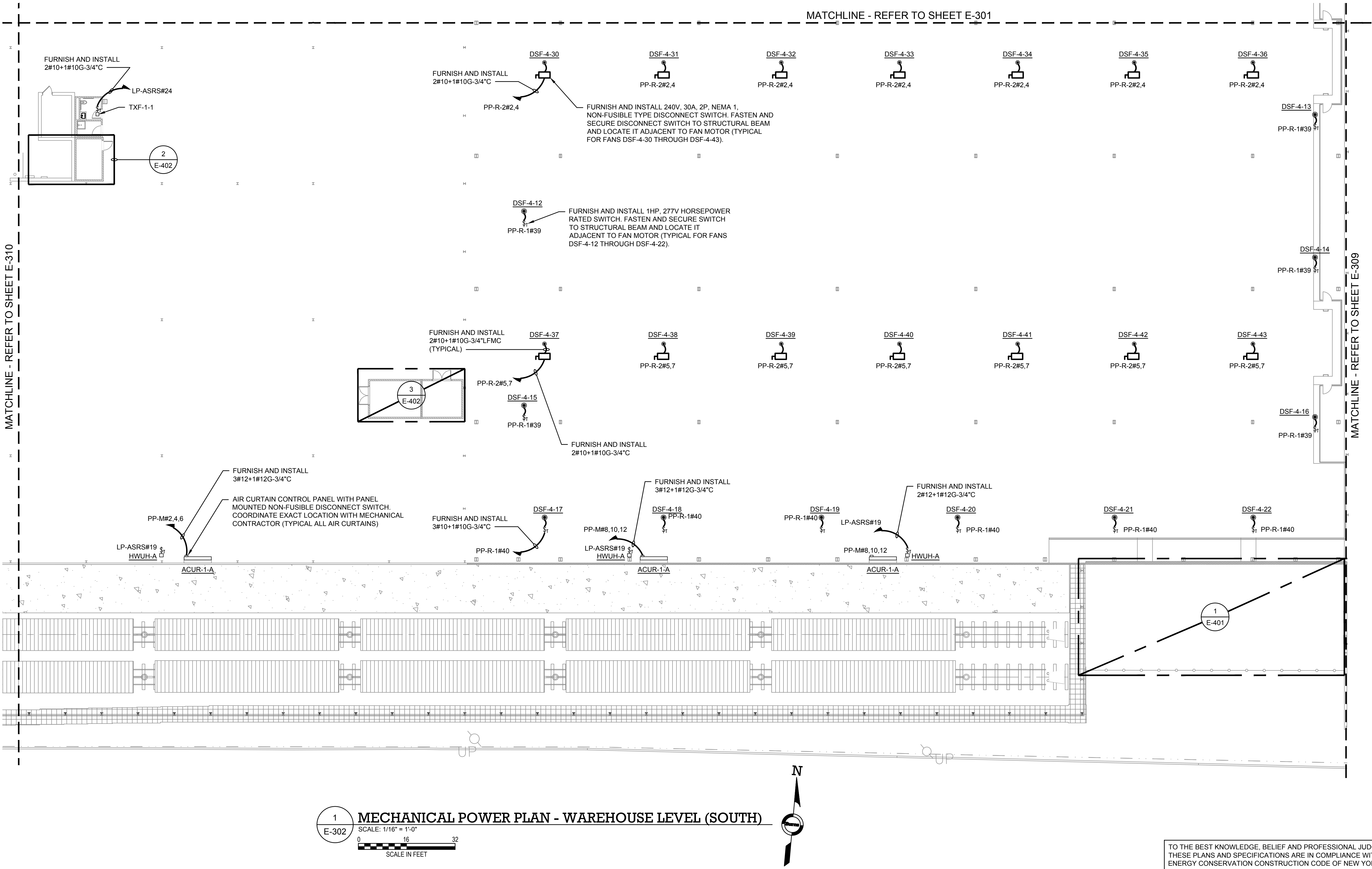
DRAWING TITLE :

MECHANICAL POWER PLAN -
WAREHOUSE LEVEL (SOUTH)

DWG NUMBER :

E-302

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



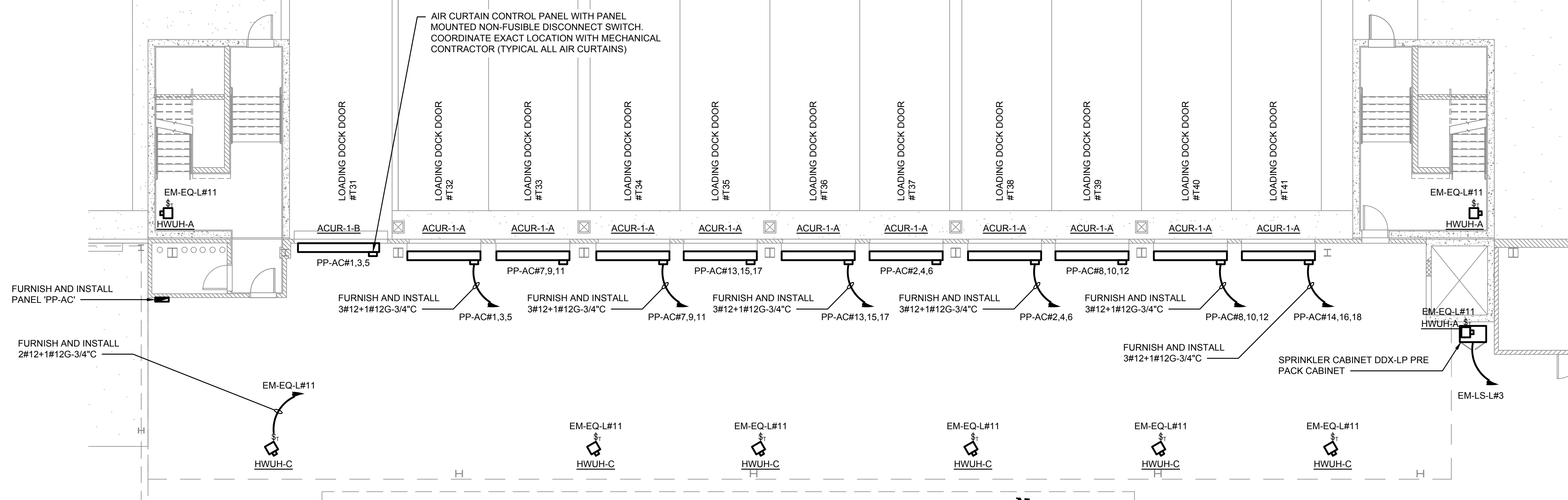
1
E-302

MECHANICAL POWER PLAN - WAREHOUSE LEVEL (SOUTH)

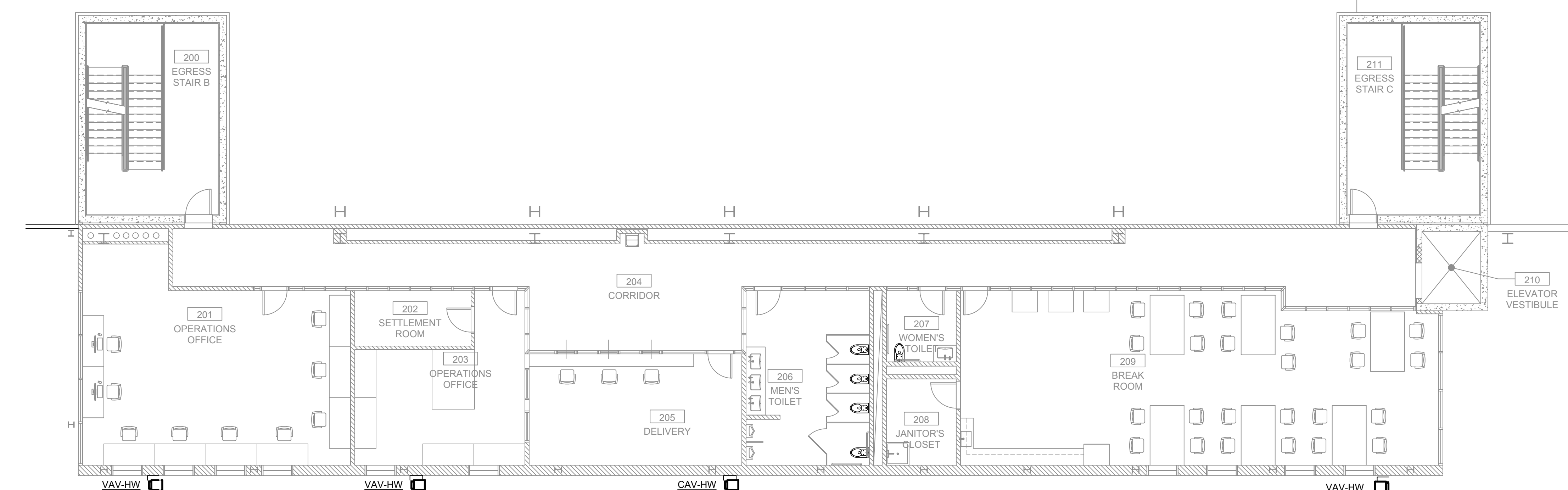
SCALE: 1/16" = 1'-0"

0 16 32

SCALE IN FEET



1
E-303
MECHANICAL POWER PLAN - PART WAREHOUSE
SCALE: 1/8" = 1'-0"
0 8 16
SCALE IN FEET



2
E-303
MECHANICAL POWER PLAN - 1ST MEZZANINE
SCALE: 1/8" = 1'-0"
0 8 16
SCALE IN FEET



- NOTES:**
1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
 2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
 3. REFER TO MECHANICAL CONTRACT DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT.

ARCHITECT
di Domenico + Partners LLP
Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

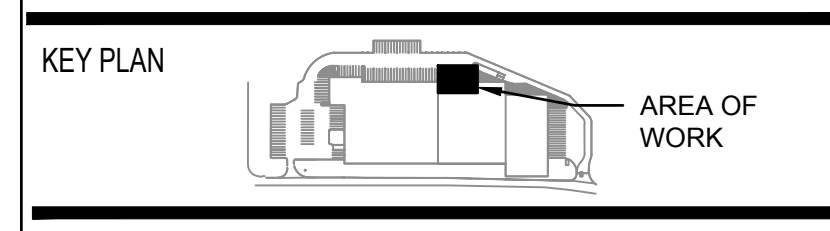
CIVIL PLANNING ENGINEER
JMC
JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER
Burns
BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-687-3503

STRUCTURAL ENGINEER
GEI
GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK



REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED
DRAWING TITLE :	

MECHANICAL POWER PLAN -
PART WAREHOUSE & 1ST MEZZ.

DWG NUMBER :

E-303

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
3. REFER TO MECHANICAL CONTRACT DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT.

ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning

3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

AREA OF
WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

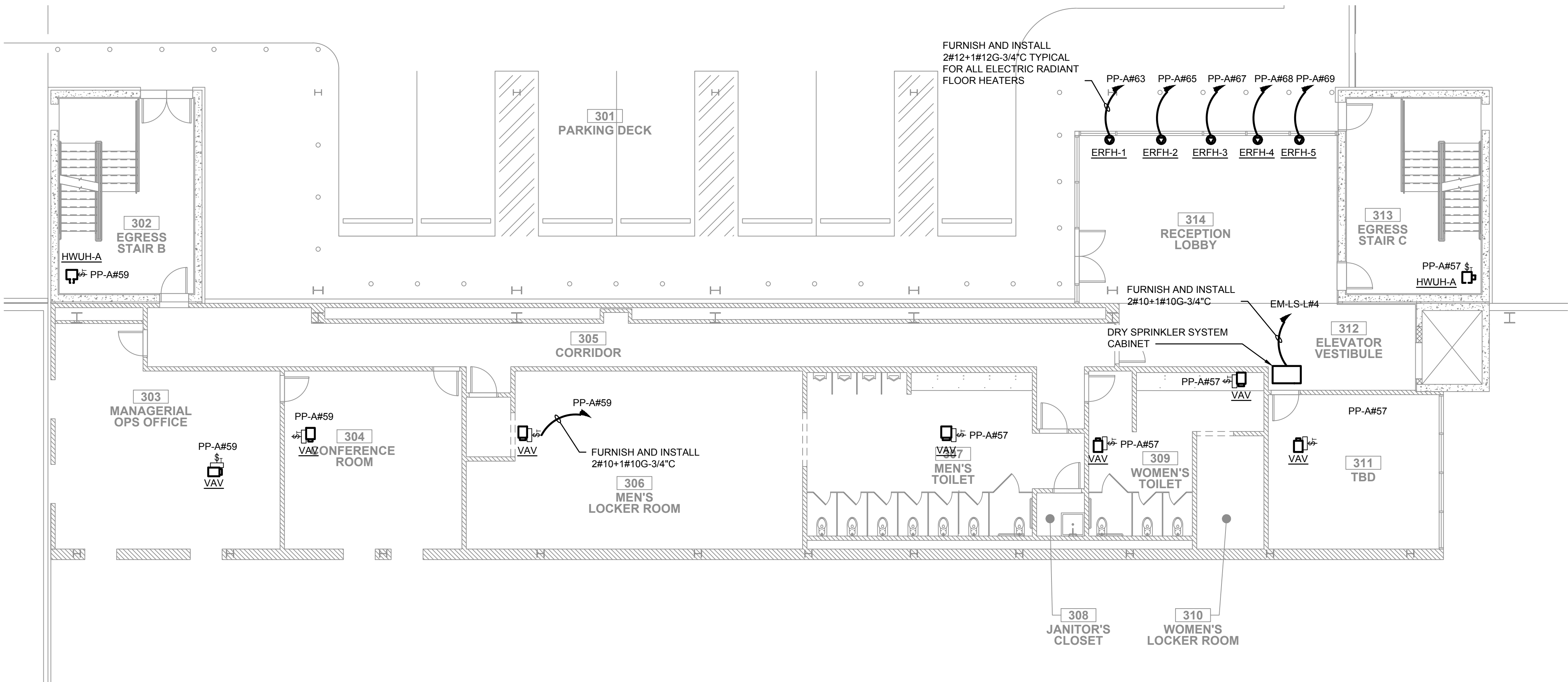
DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

DRAWING TITLE :

MECHANICAL POWER PLAN -
2ND MEZZANINE

DWG NUMBER :

E-304



1
E-304

MECHANICAL POWER PLAN - 2ND MEZZANINE

SCALE: 1/8" = 1'-0"

0 8 16
SCALE IN FEET

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS AND ELECTRICAL REQUIREMENTS OF EQUIPMENT.
3. REFER TO MECHANICAL CONTRACT DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT.

ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

AREA OF WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

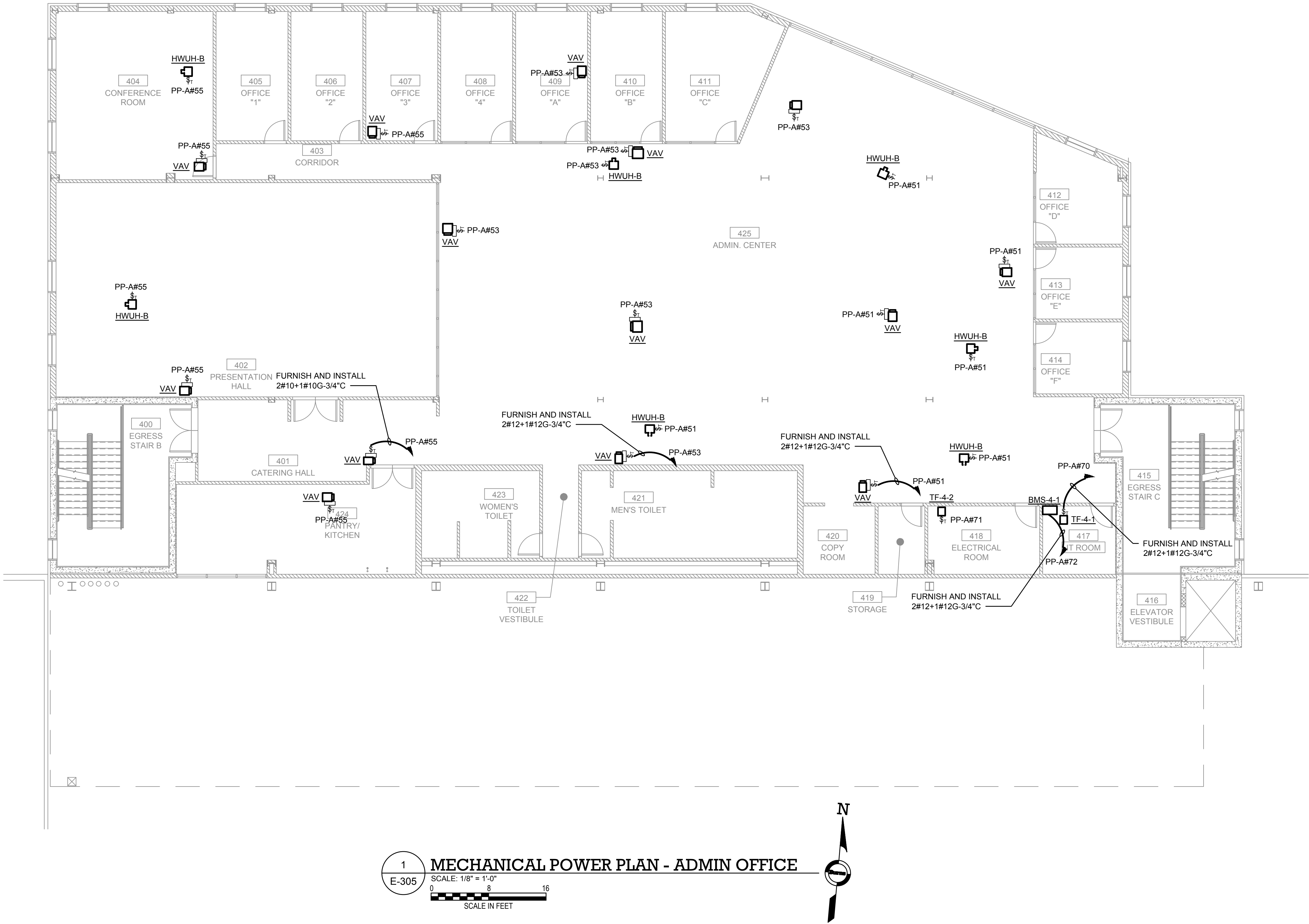
DRAWING TITLE :

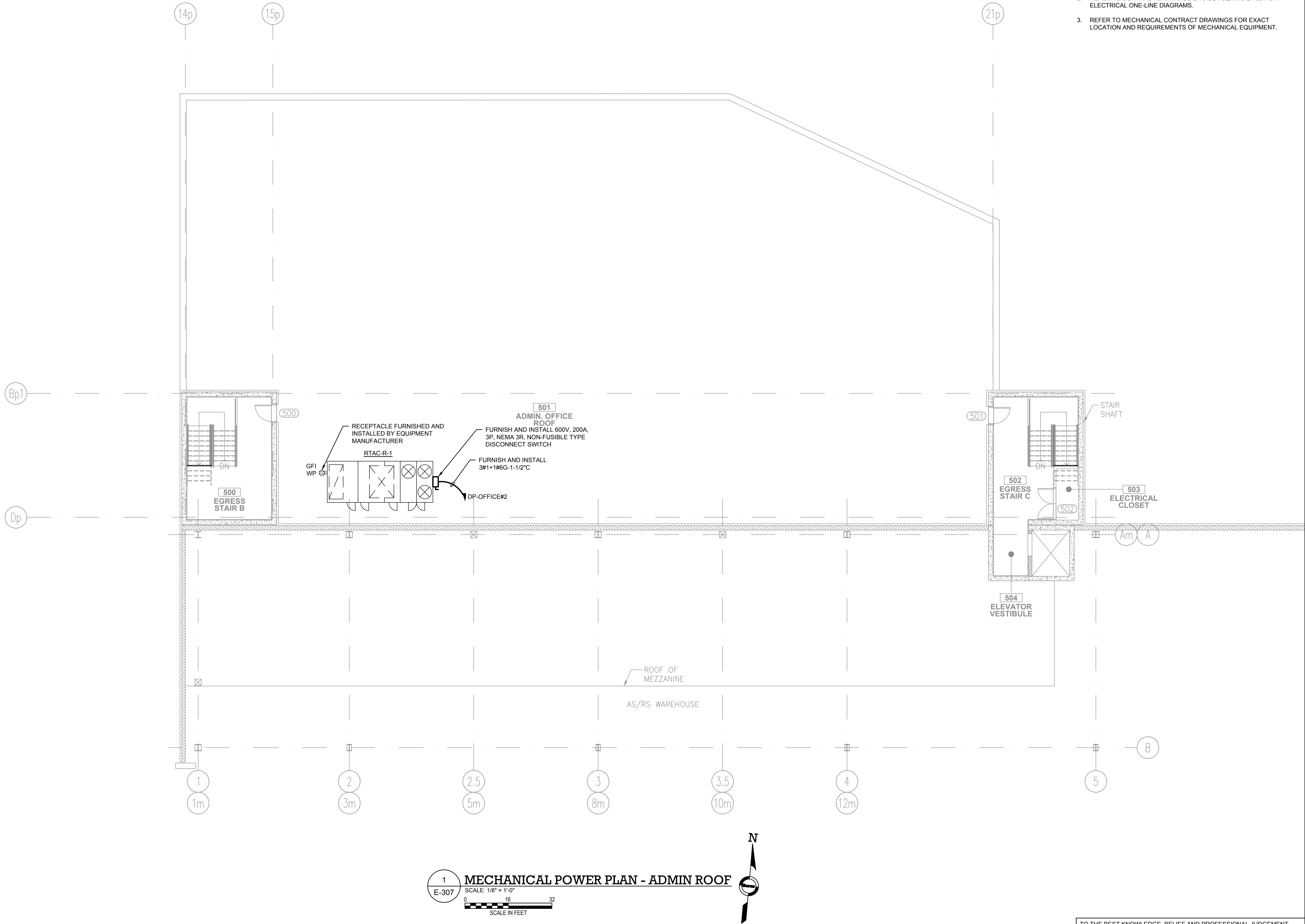
MECHANICAL POWER PLAN -
ADMIN OFFICE

DWG NUMBER :

E-305

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.





- NOTES:**
1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
 2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
 3. REFER TO MECHANICAL CONTRACT DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT.

ARCHITECT
di Domenico + Partners LLP
Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

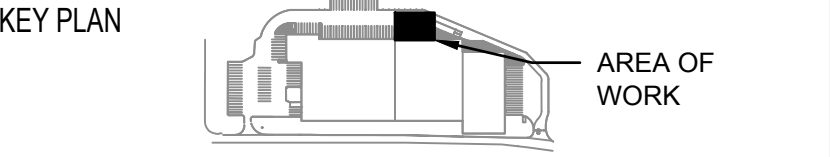
CIVIL PLANNING ENGINEER
JMC
JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER
Burns BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER
GEI Consultants
GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK



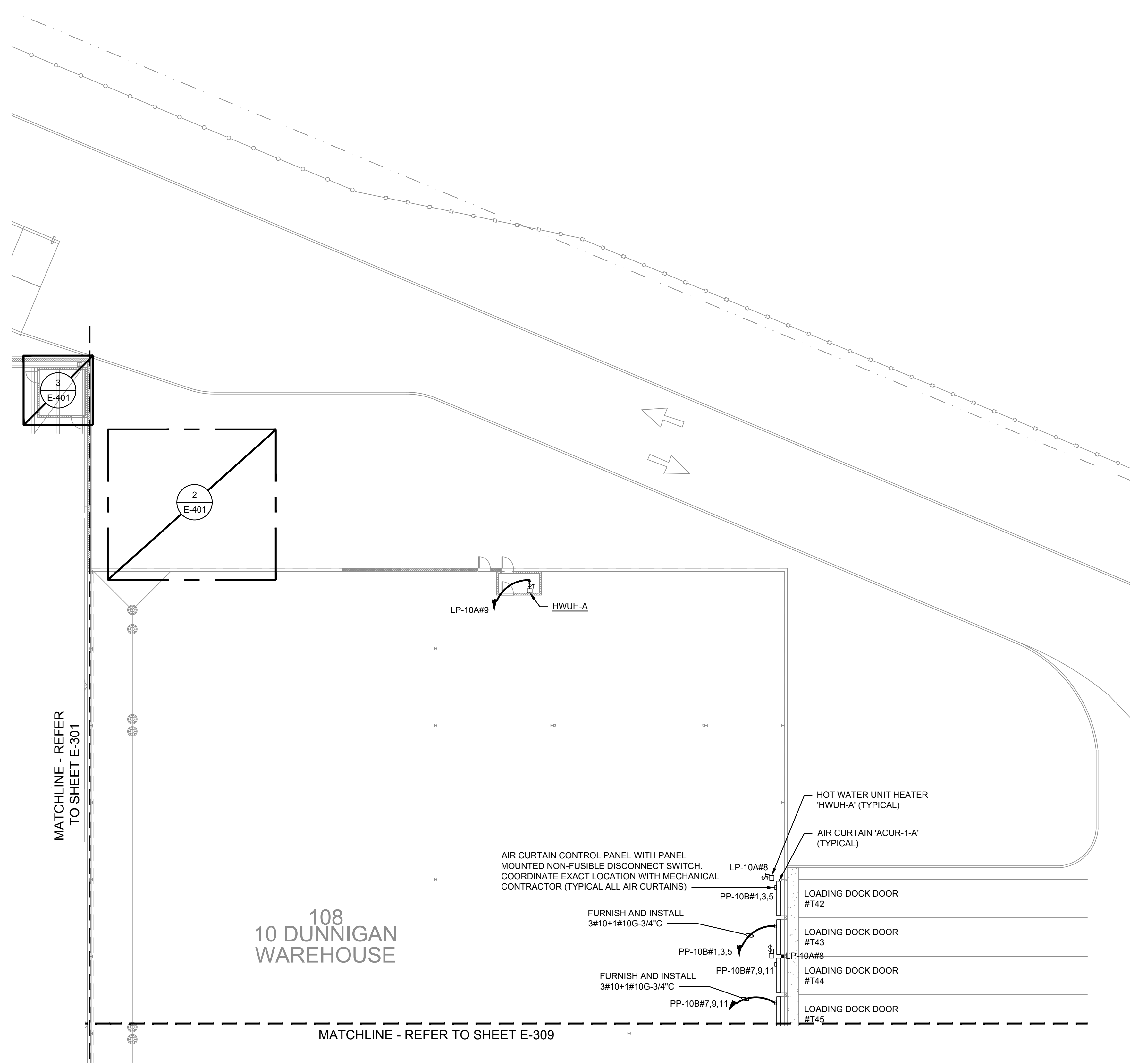
REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

DRAWING TITLE :
**MECHANICAL POWER PLAN -
ADMIN ROOF**

DWG NUMBER :
E-307

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



- NOTES:**
1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
 2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
 3. REFER TO MECHANICAL CONTRACT DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT.

ARCHITECT

di Domenico + Partners LLP

Architecture

Landscape Architecture

Planning

3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

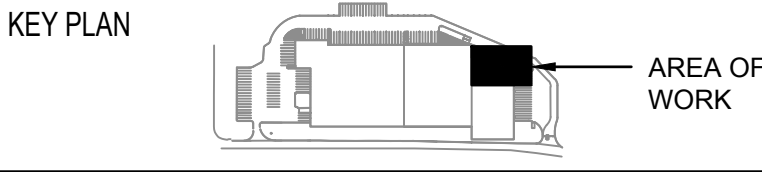
STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK



REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

MECHANICAL POWER PLAN - 10 DUNNIGAN (NORTH)

DWG NUMBER :

E-308

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS.
3. REFER TO MECHANICAL CONTRACT DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT.

CIVIL PLANNING ENGINEER

 JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

STRUCTURAL ENGINEER

GEI  **Consultants**

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282

KEY PLAN

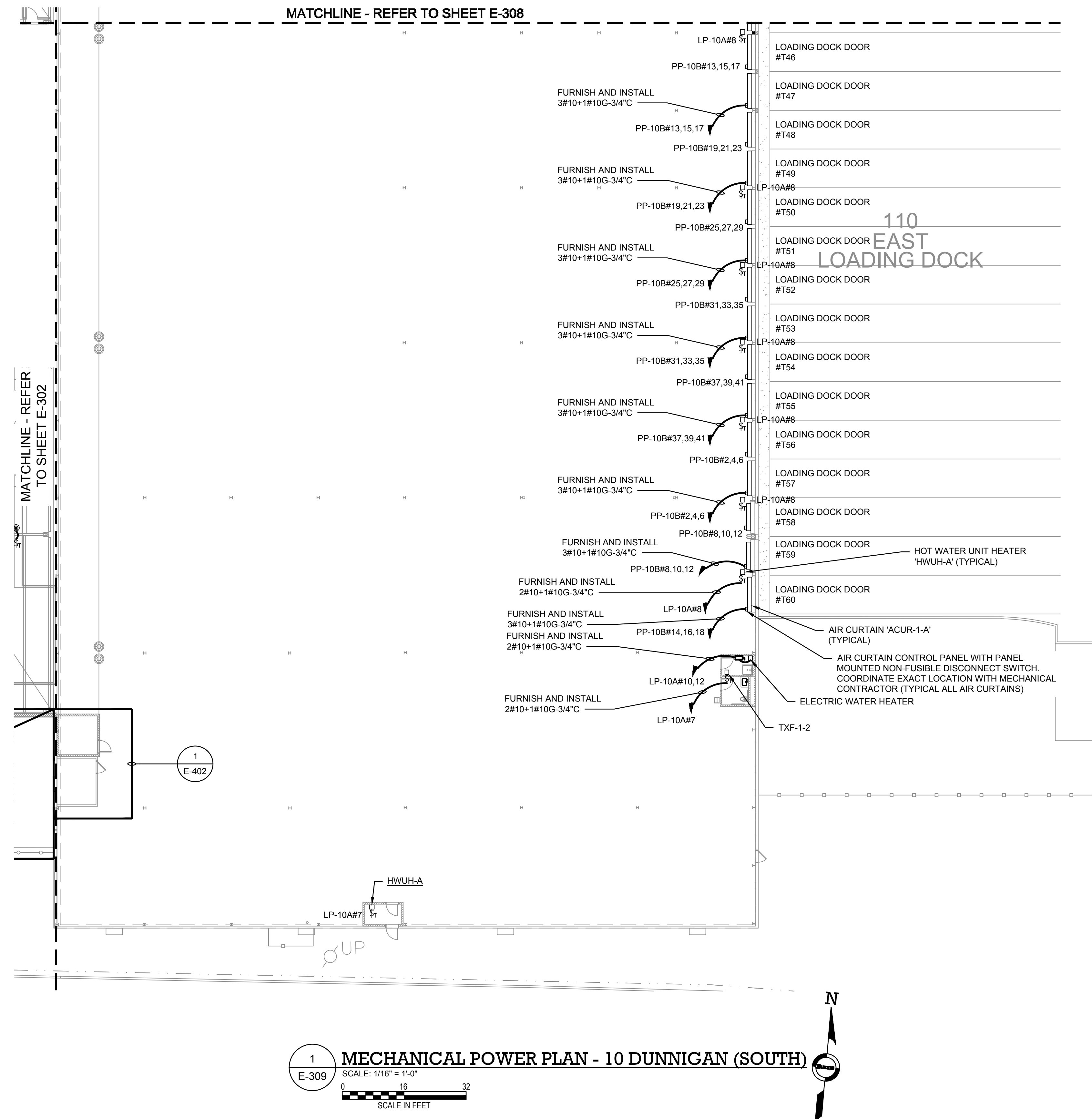
A diagram of a building with a shaded area labeled "AREA OF WORK". The building is shown in profile, with a shaded rectangular area on its right side. A line points from the text "AREA OF WORK" to this shaded area.

DRAWING TITLE :

	DWG NUMBER :
--	--------------

E-309

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
3. REFER TO MECHANICAL CONTRACT DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT.

ARCHITECT

di Domenico + Partners LLP
Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC
JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns
BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

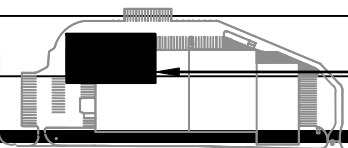
GEI
GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021



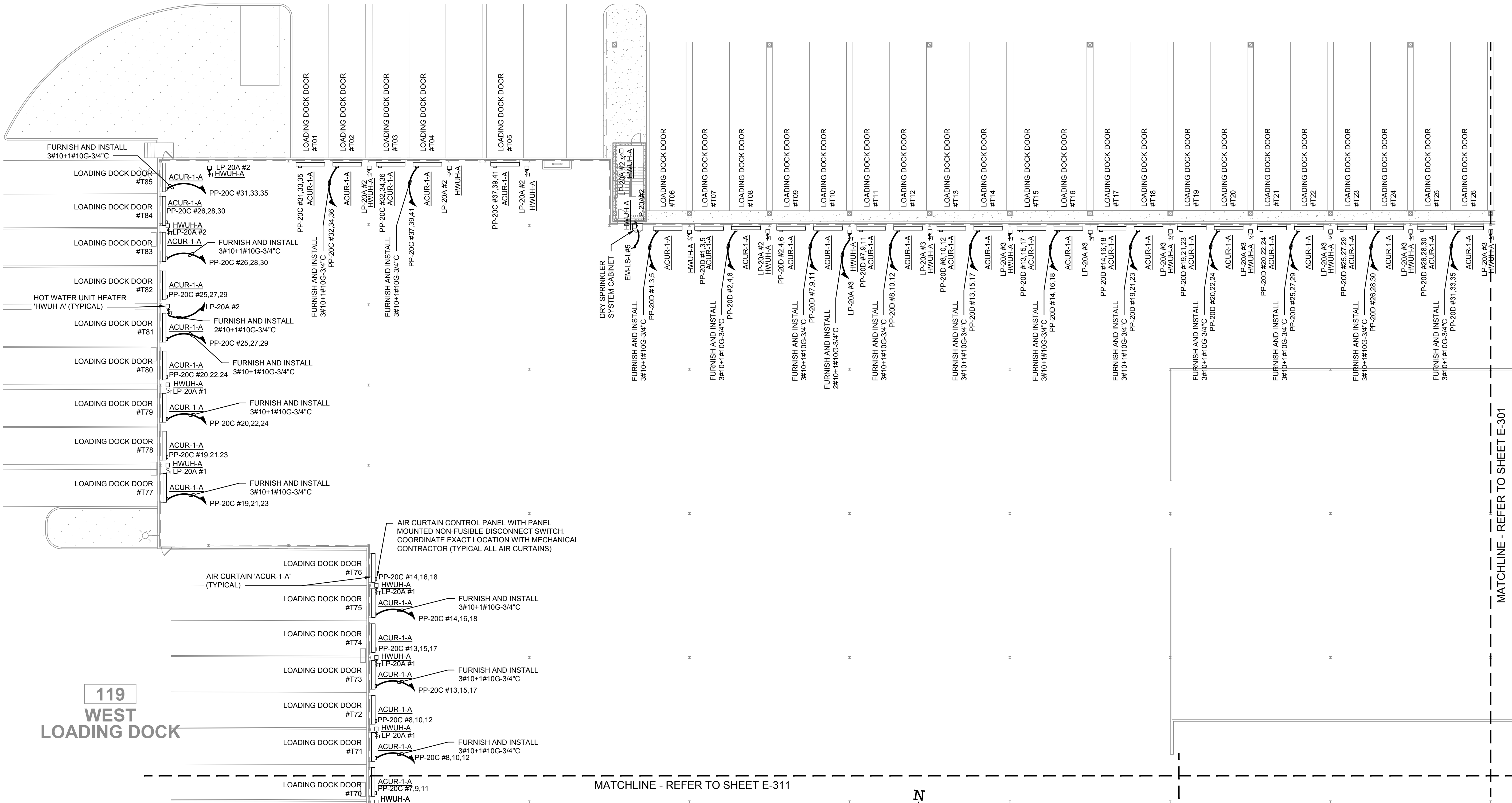
DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

MECHANICAL POWER PLAN - 20
DUNNIGAN (NORTH)

DWG NUMBER :

E-310

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



1
E-310

MECHANICAL POWER PLAN - 20 DUNNIGAN (NORTH)
SCALE: 1/16" = 1'-0"
0 16 32
SCALE IN FEET

NOTES:

- 1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
- 2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
- 3. REFER TO MECHANICAL CONTRACT DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT.

ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning

3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

AREA OF WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

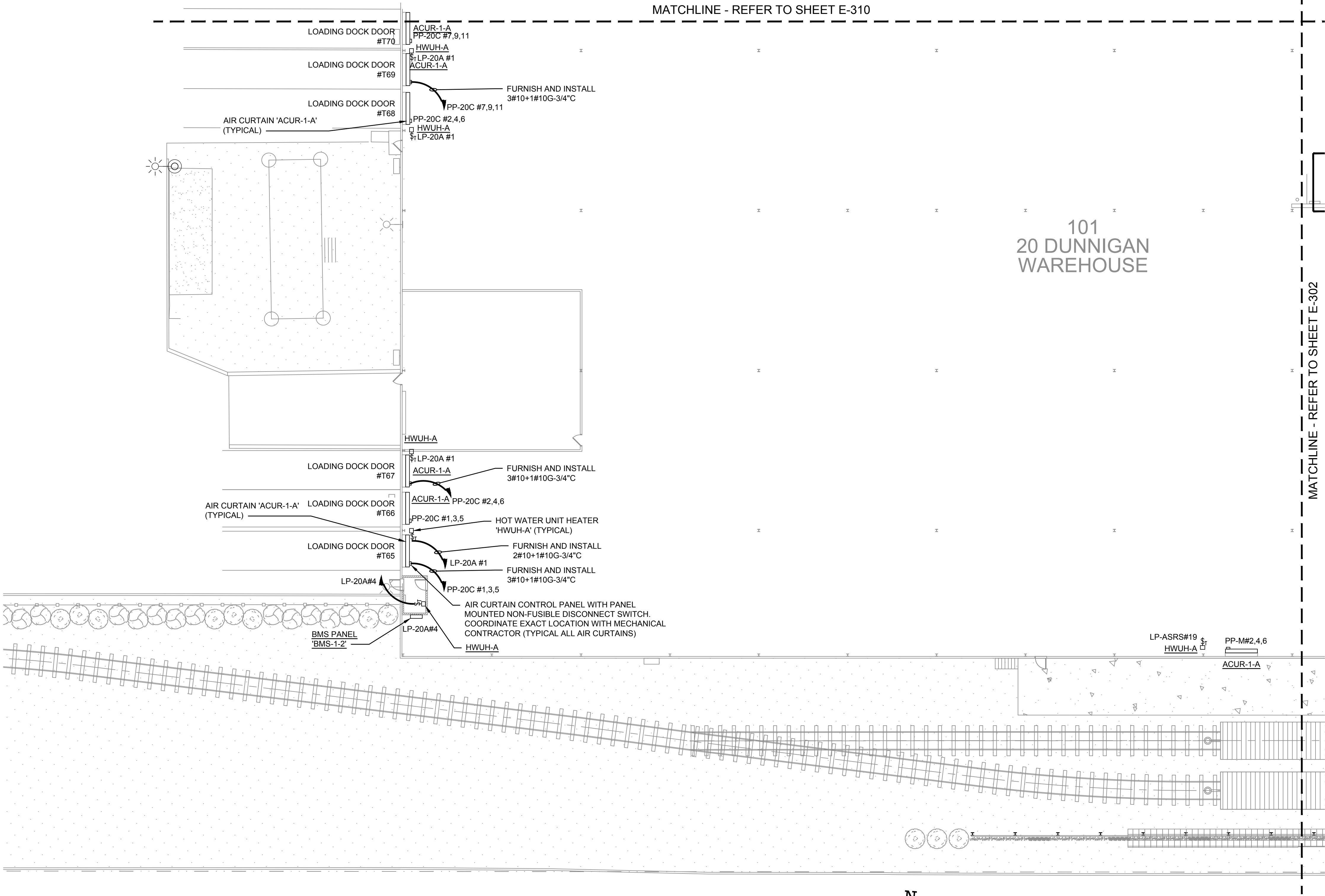
DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

DRAWING TITLE :

MECHANICAL POWER PLAN - 20 DUNNIGAN (SOUTH)

DWG NUMBER :

E-311



1
E-311

MECHANICAL POWER PLAN - 20 DUNNIGAN (SOUTH)

SCALE: 1/16" = 1'-0"

0 16 32
SCALE IN FEET



TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
3. REFER TO MECHANICAL CONTRACT DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT.

ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

AREA OF WORK

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

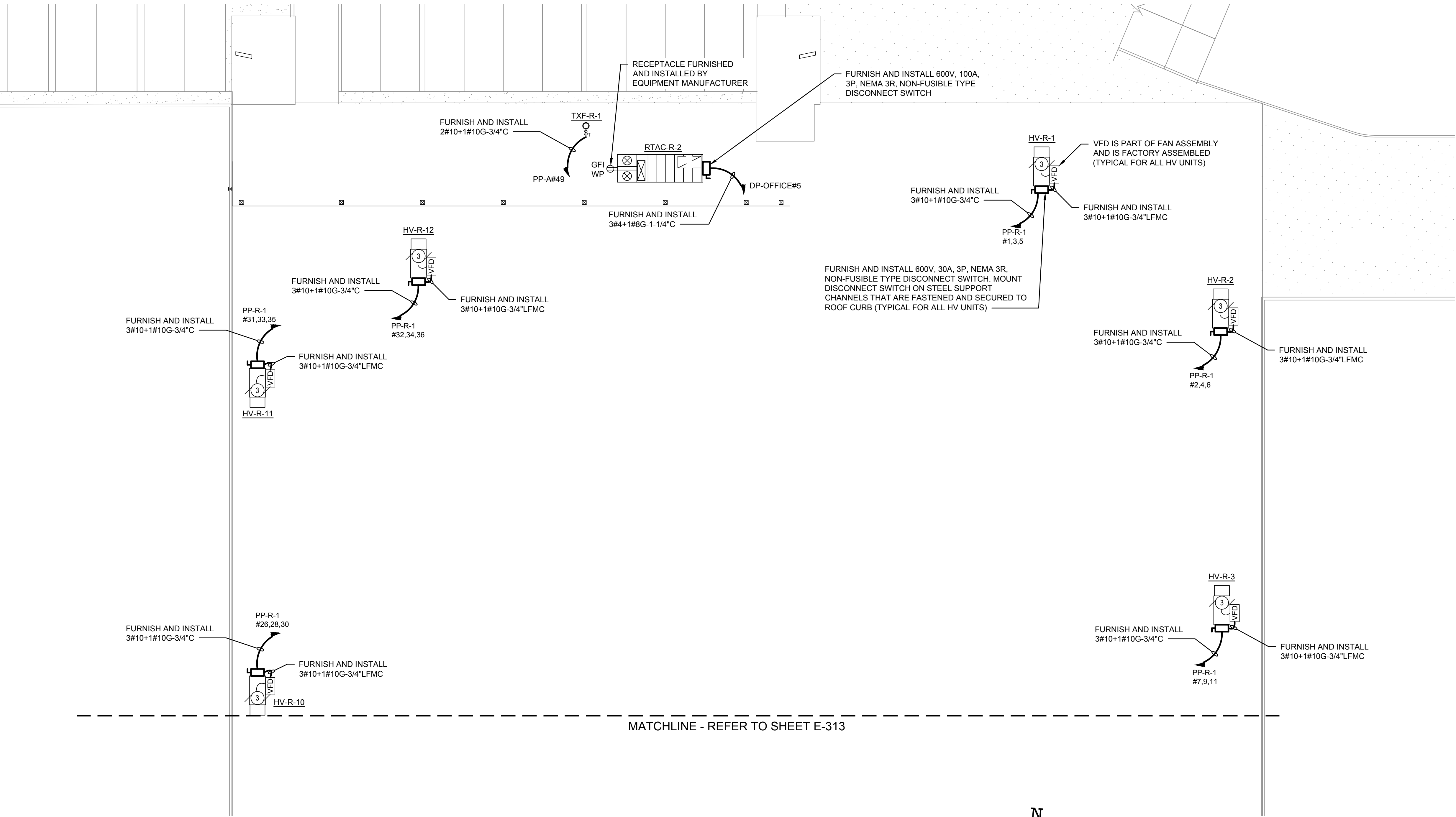
DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

DRAWING TITLE :

MECHANICAL POWER PLAN -
WAREHOUSE ROOF (NORTH)

DWG NUMBER :

E-312



1
E-312

MECHANICAL POWER PLAN - WAREHOUSE ROOF (NORTH)

SCALE: 1/16" = 1'-0"

0 16 32
SCALE IN FEET

N

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM.
3. REFER TO MECHANICAL CONTRACT DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT.

ARCHITECT
di Domenico + Partners LLP
Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

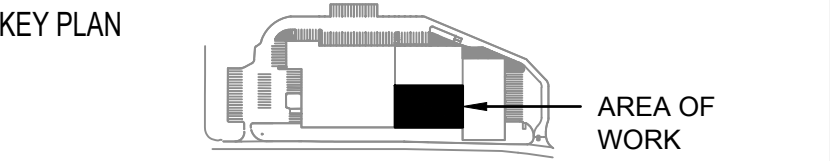
CIVIL PLANNING ENGINEER
JMC
JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER
Burns BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER
GEI GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282
Consultants



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK



REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

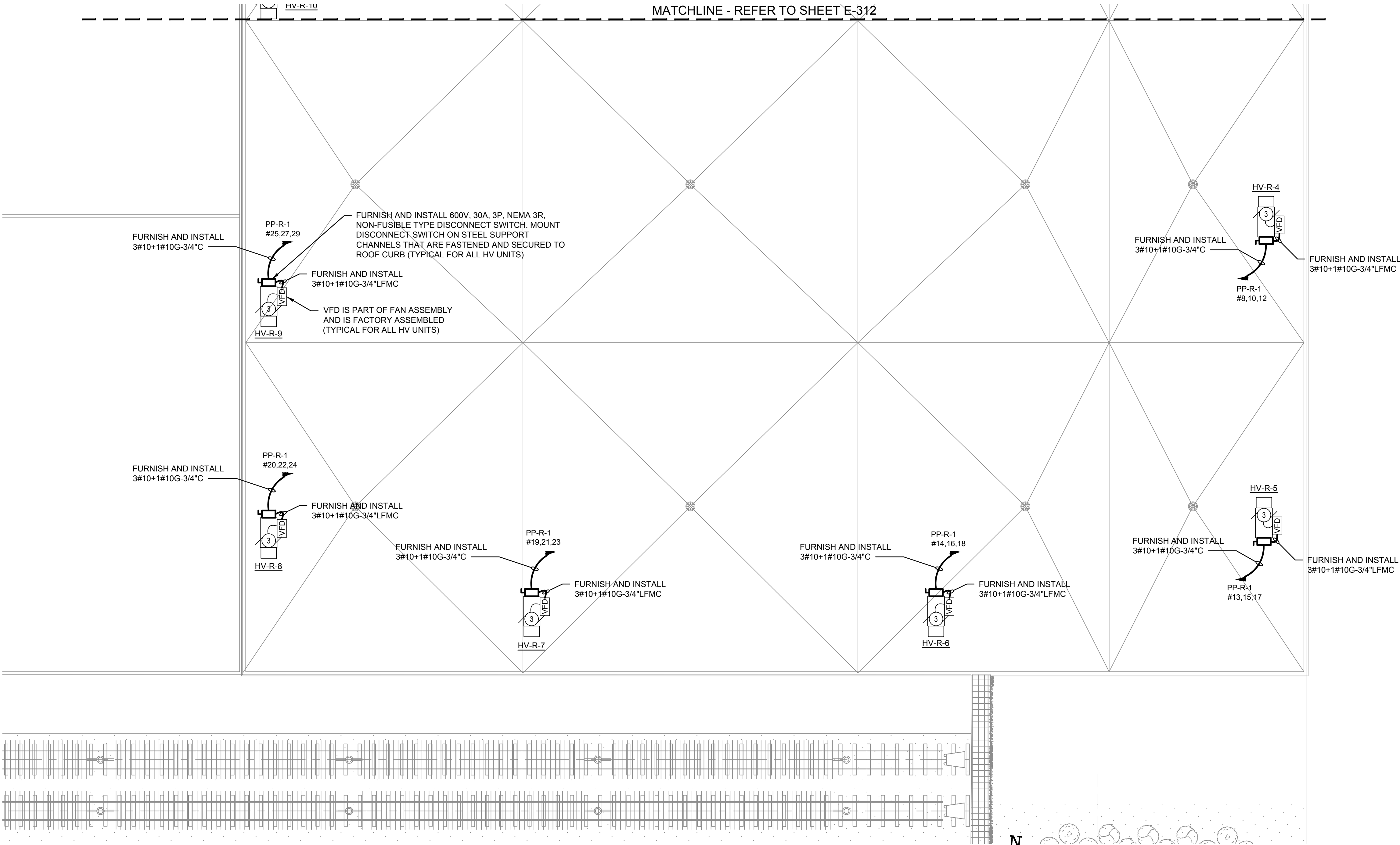
DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

DRAWING TITLE :

**MECHANICAL POWER PLAN -
WAREHOUSE ROOF (SOUTH)**

DWG NUMBER :

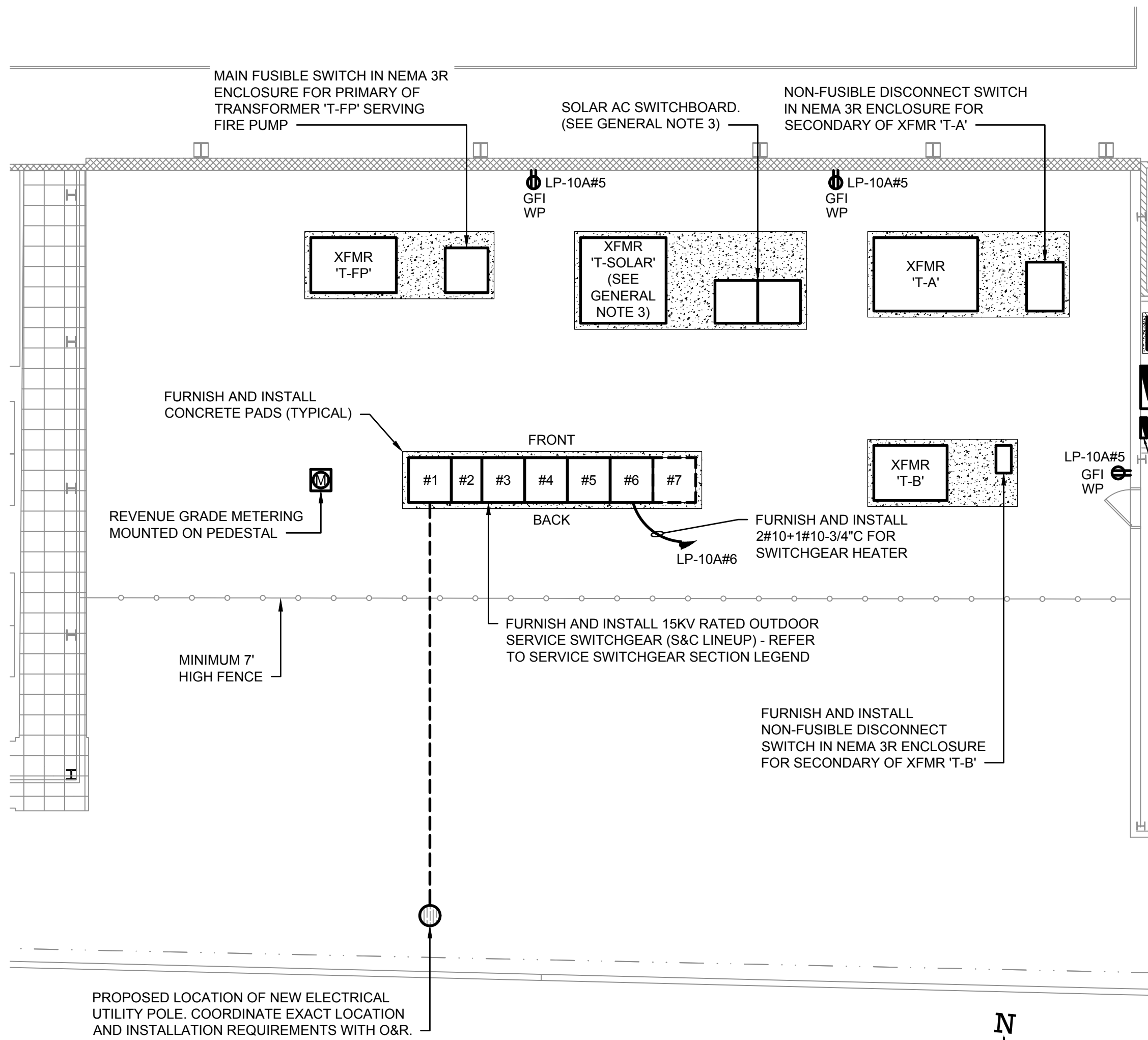
E-313



1
E-313

MECHANICAL POWER PLAN - WAREHOUSE ROOF (SOUTH)
SCALE: 1/16" = 1'-0"
0 16 32
SCALE IN FEET

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



SERVICE SWITCHGEAR SECTION LEGEND	
BAY	BAY DESCRIPTION
#1	INCOMING SERVICE SECTION
#2	DEDICATED FIRE PUMP SECTION
#3	MAIN FUSIBLE SWITCH FOR EXISTING BUILDING - 20 DUNNIGAN DRIVE
#4	MAIN FUSIBLE SWITCH FOR PHOTOVOLTAIC SYSTEM
#5	MAIN FUSIBLE SWITCH FOR BUILDING ADDITION
#6	MAIN FUSIBLE SWITCH FOR EXISTING BUILDING - 10 DUNNIGAN DRIVE
#7	SPACE FOR MAIN FUSIBLE SWITCH FOR FUTURE LOADS

NOTES:

- REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
- REFER TO CONTRACT DRAWINGS E-701, E-702 AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS AND ELECTRICAL REQUIREMENTS OF EQUIPMENT.
- REFER TO THE PHOTOVOLTAIC SYSTEM CONSTRUCTION DRAWINGS FOR FEEDER AND EQUIPMENT REQUIREMENTS.
- REFER TO CONTRACT DRAWING E-403 FOR PROPOSED ELECTRICAL CONDUIT PATHWAYS AND GROUNDING REQUIREMENTS.
- ALL UNDERGROUND CONDUIT SHALL HAVE A MINIMUM 2" OF SLURRY CONCRETE AND SHALL BE A MINIMUM 36" FROM FINISHED GRADE.
- REFER TO CONTRACT DRAWING E-904 FOR MEDIUM VOLTAGE SWITCHGEAR SPECIFICATIONS.

ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

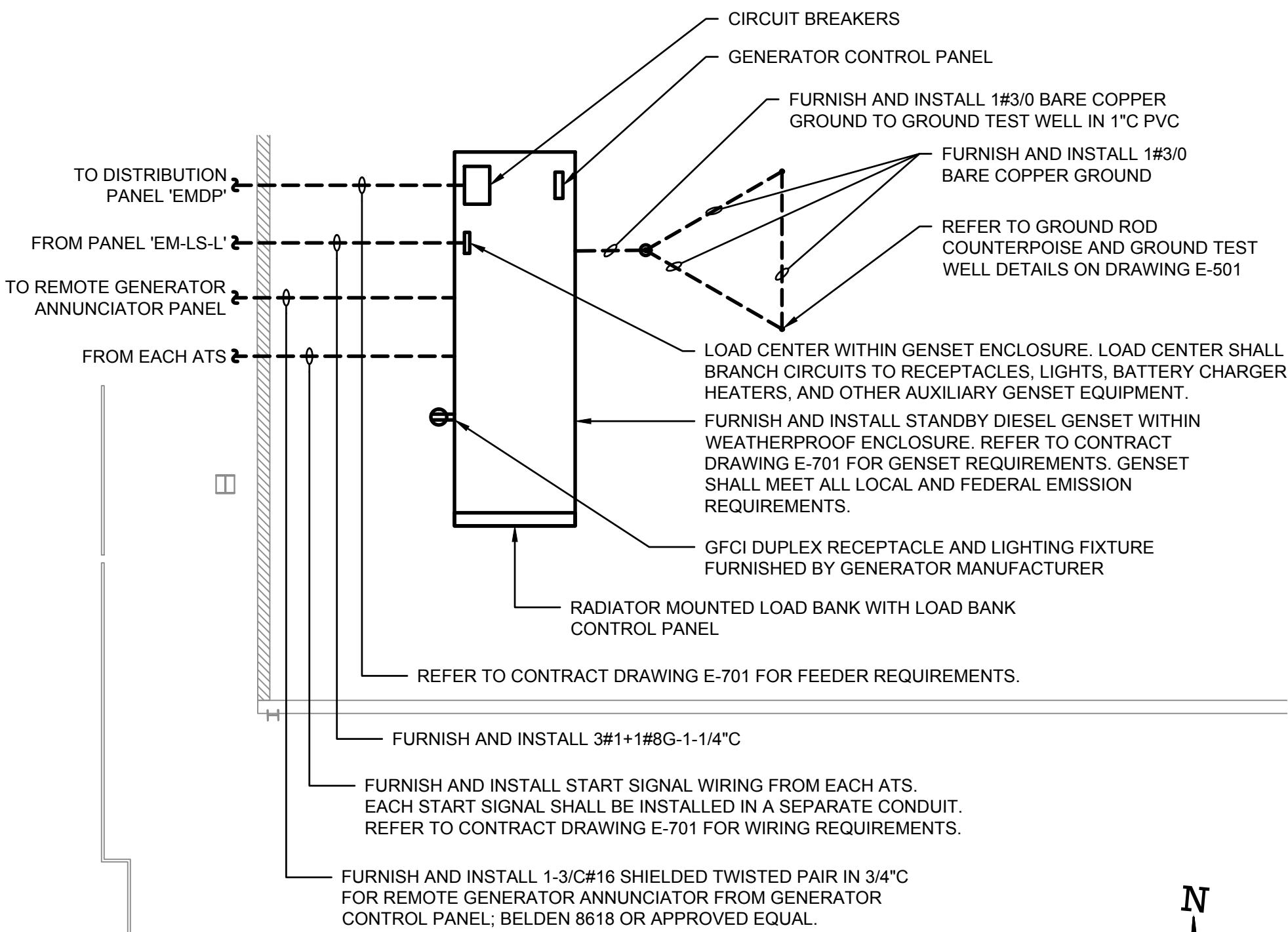
DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

ELECTRICAL SERVICE & GENERATOR
AREAS - INSTALLATIONS

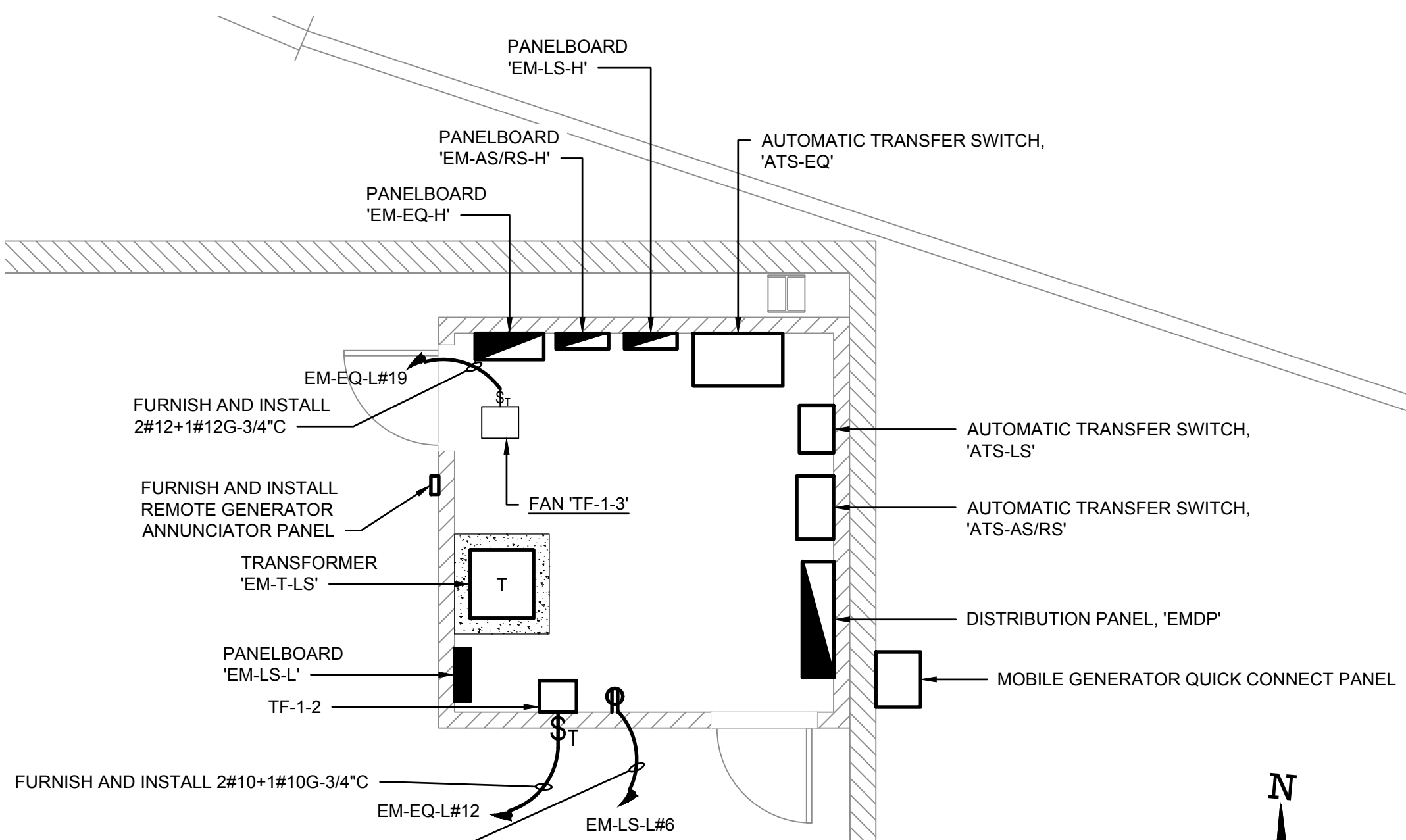
DWG NUMBER :

E-401

1
E-401
SCALE: 1/8" = 1'-0"
0 8 16
SCALE IN FEET



2
E-401
SCALE: 1/8" = 1'-0"
0 8 16
SCALE IN FEET



3
E-401
SCALE: 1/4" = 1'-0"
0 4 8
SCALE IN FEET

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAM AND ELECTRICAL REQUIREMENTS OF EQUIPMENT.
3. REFER TO CONTRACT DRAWINGS E-905 AND E-906 FOR LOW VOLTAGE SWITCHBOARD SPECIFICATIONS.

ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

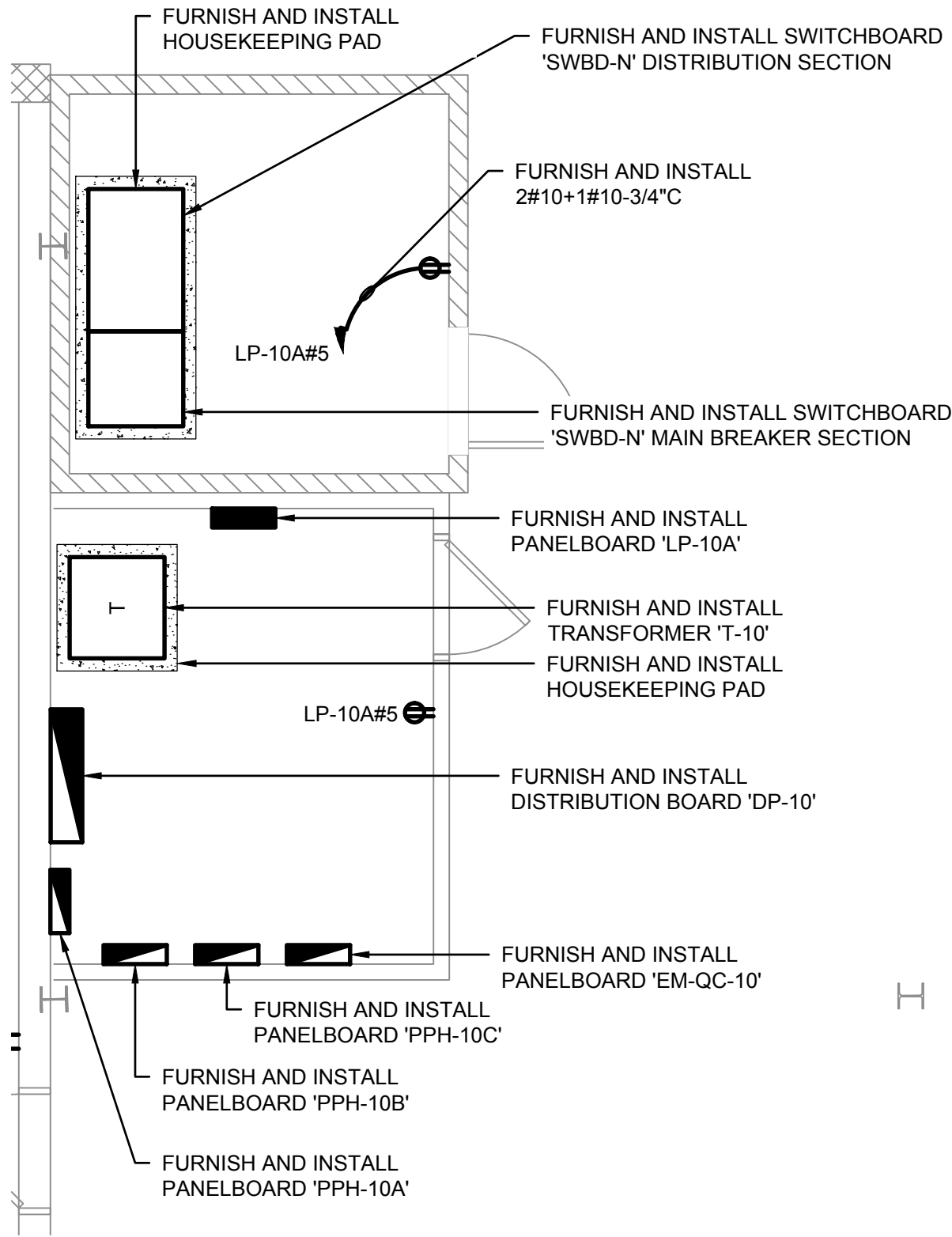
DRAWING TITLE :

ELECTRICAL ROOM PART
PLANS - INSTALLATIONS

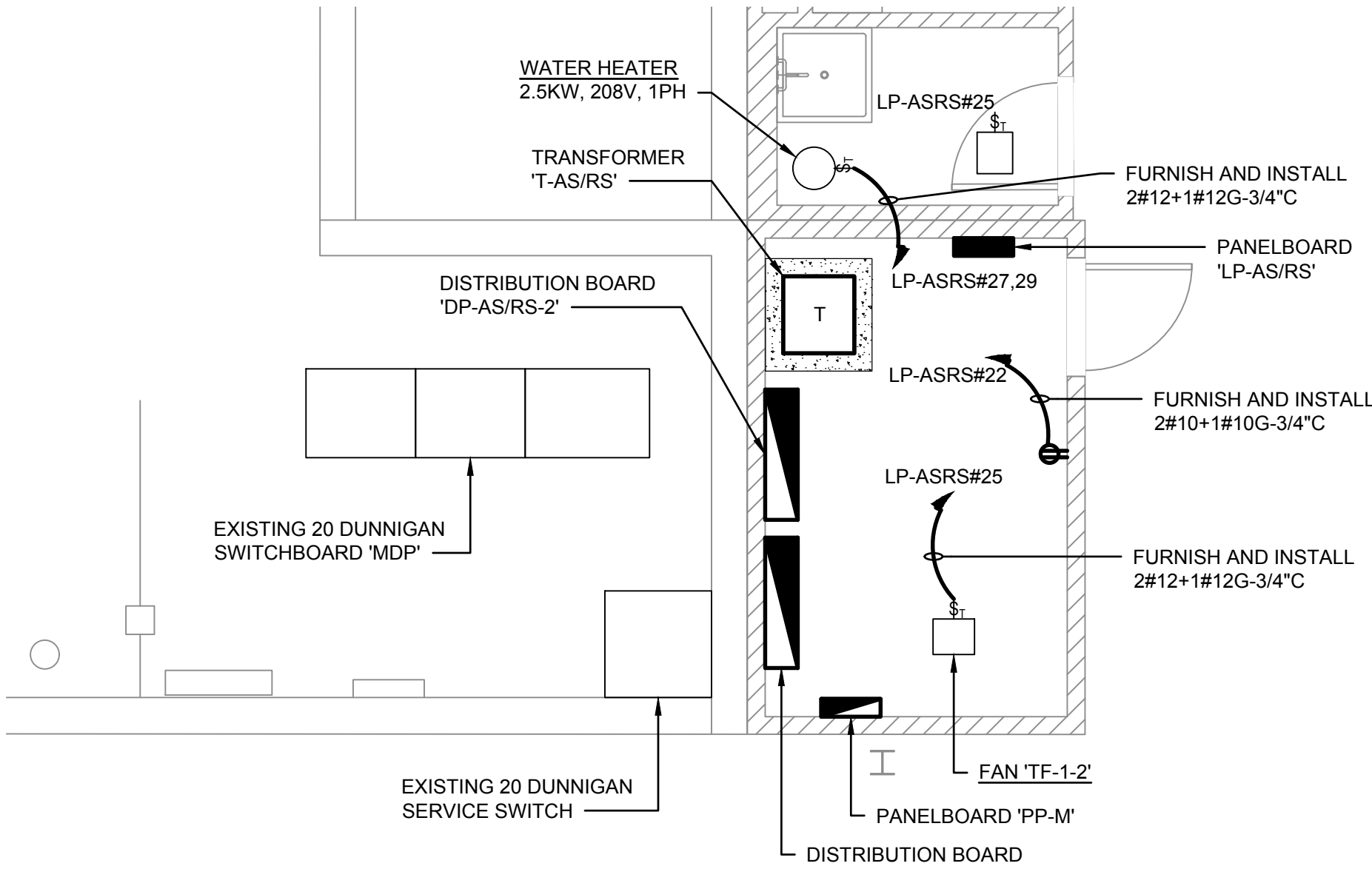
DWG NUMBER :

E-402

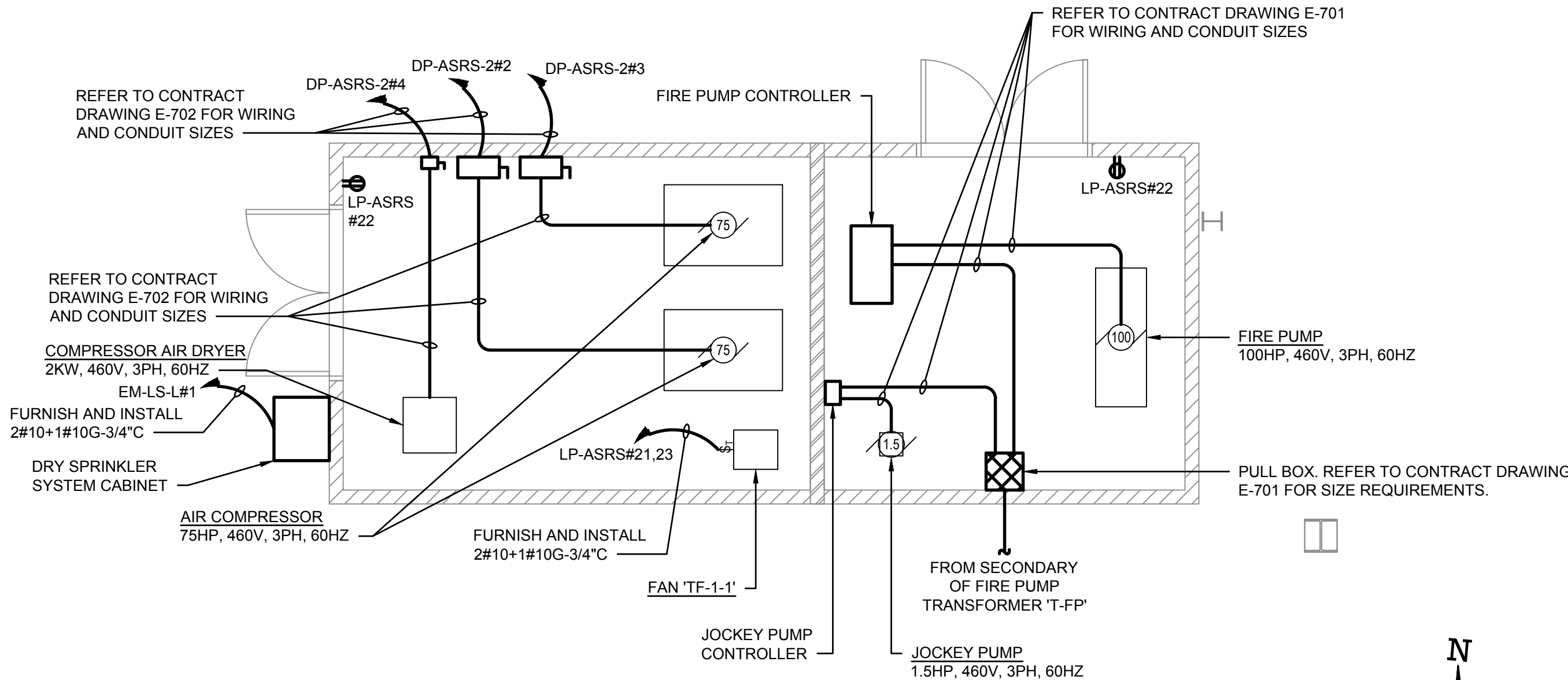
TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



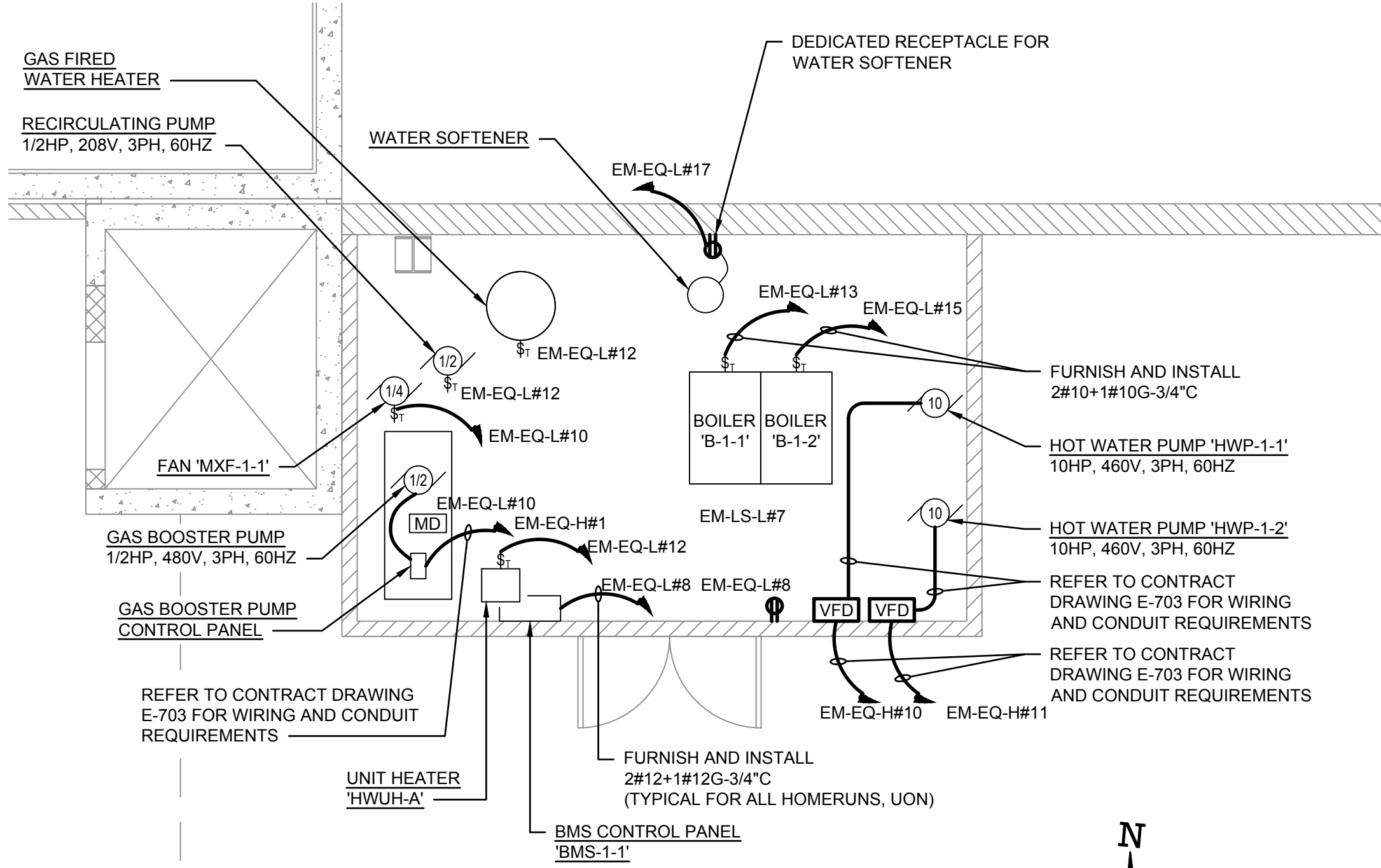
1 AS/RS SWITCHBOARD ROOM & 10 DUNNIGAN SERVICE ROOM PART PLANS
E-402 SCALE: 1/4" = 1'-0"
0 4 8
SCALE IN FEET



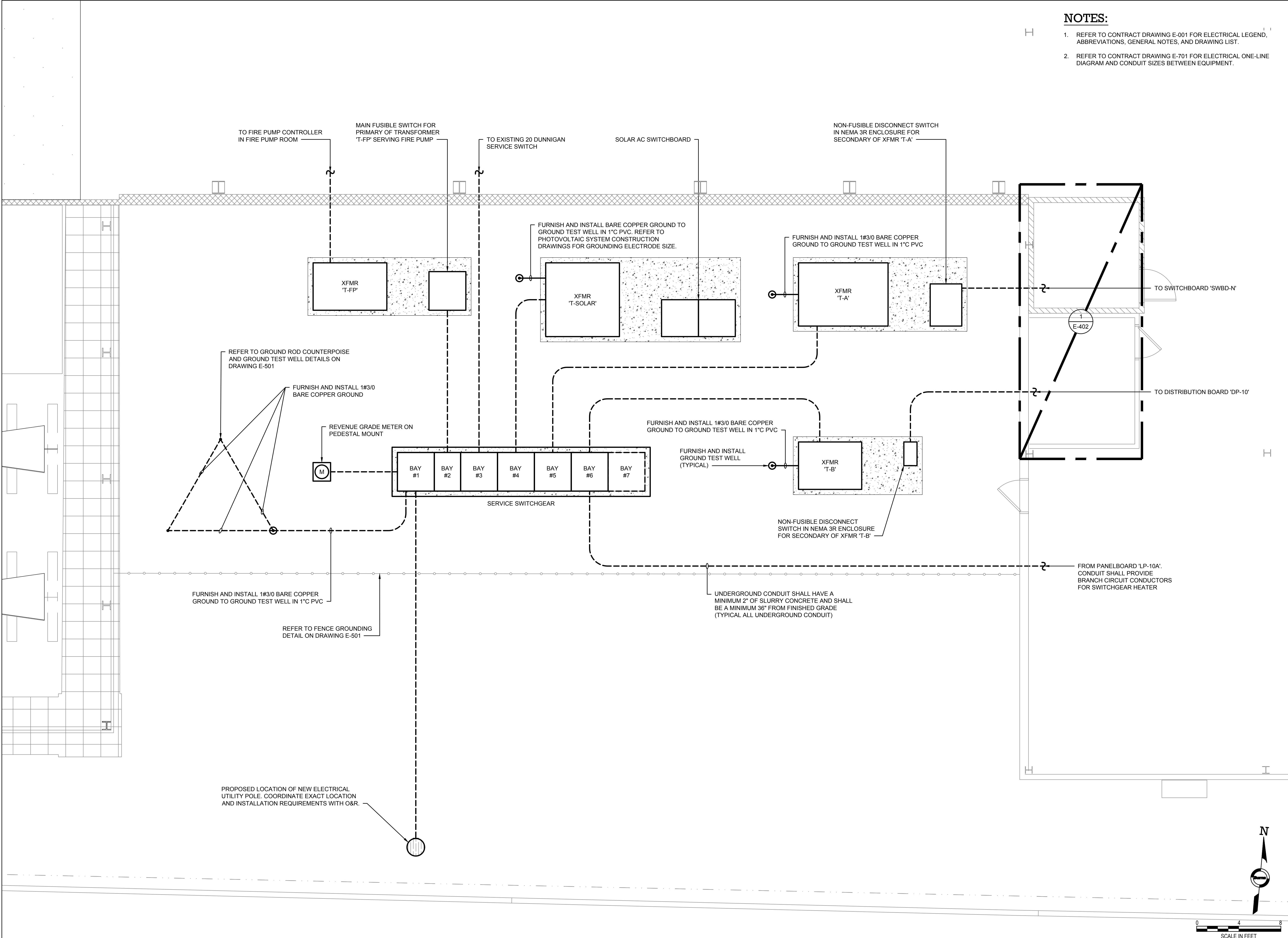
2 EXISTING AND NEW ELECTRICAL SERVICE ROOMS - 20 DUNNIGAN DRIVE
E-402 SCALE: 1/4" = 1'-0"
0 4 8
SCALE IN FEET



3 AIR COMPRESSOR & FIRE PUMP ROOM PART PLANS - INSTALLATIONS
E-402 SCALE: 1/4" = 1'-0"
0 4 8
SCALE IN FEET



4 BOILER ROOM PART PLAN - INSTALLATIONS
E-402 SCALE: 1/4" = 1'-0"
0 4 8
SCALE IN FEET



TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

- NOTES:**
1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
 2. REFER TO CONTRACT DRAWING E-701 FOR ELECTRICAL ONE-LINE DIAGRAM AND CONDUIT SIZES BETWEEN EQUIPMENT.

ARCHITECT
di Domenico + Partners LLP
Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER
JMC
JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER
Burns
BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER
GEI
GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

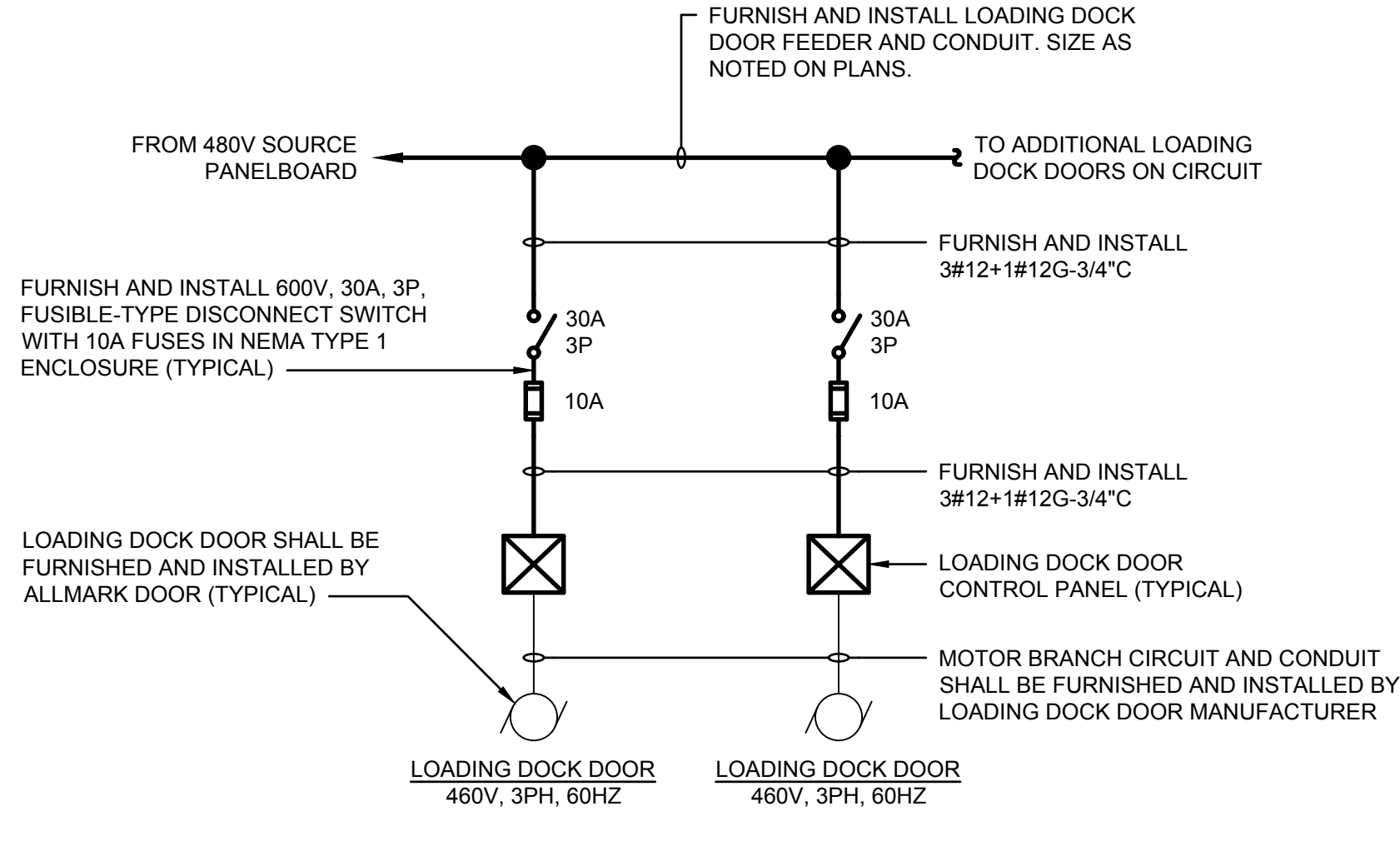
DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	1/4"=1'-0"

DRAWING TITLE :
**ELECTRICAL SERVICE YARD -
CONDUIT & GROUNDING PLAN**

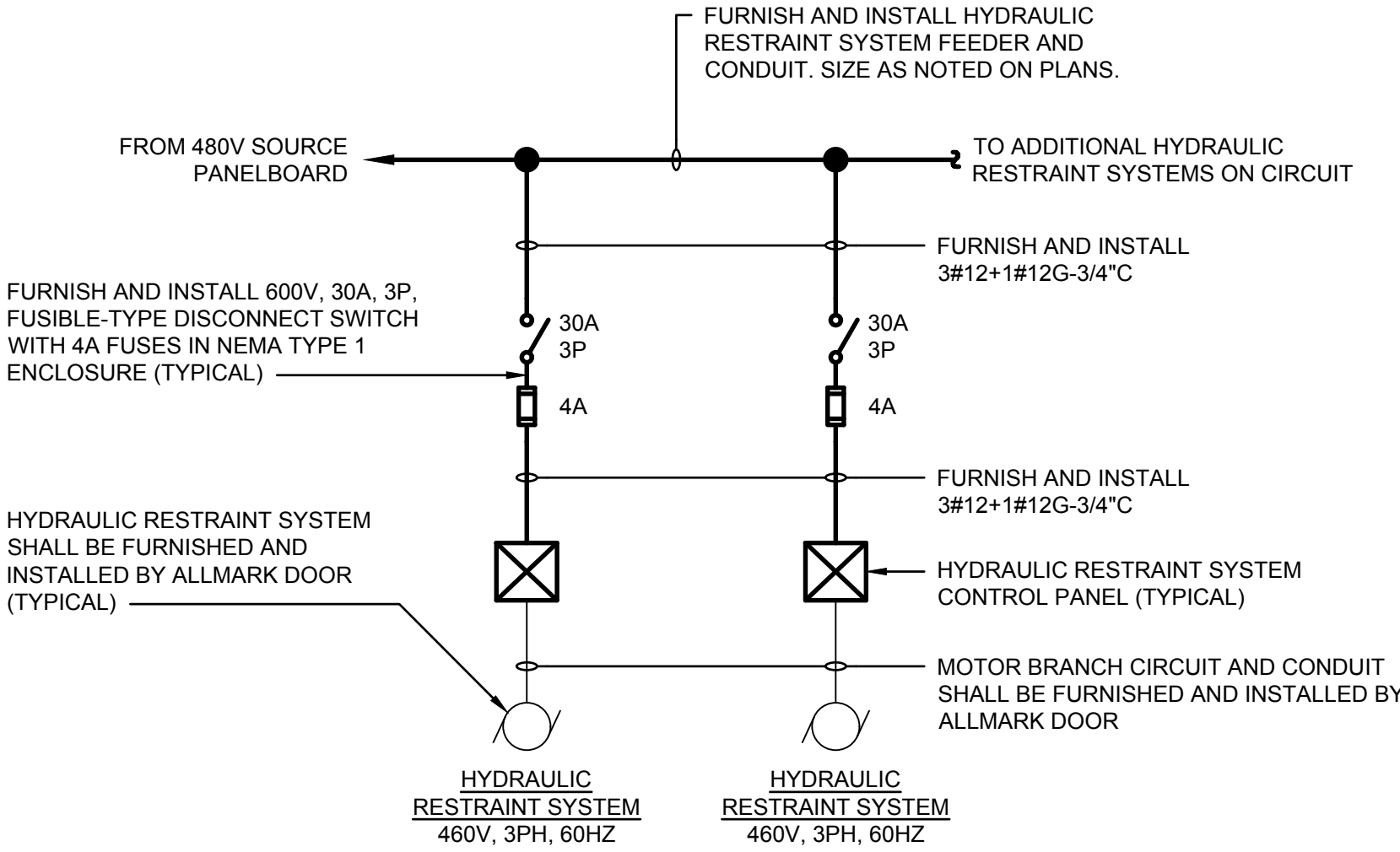
DWG NUMBER :

E-403

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.



- NOTE:
1. RETAIN THE SERVICES OF ALLMARK DOOR (DONALD MARKHAM - DONALD.MARKHAM@ALLMARKDOORS.COM; 908-342-7187) FOR INSTALLATION AND TESTING OF LOADING DOCK DOOR SYSTEMS.
 2. AT EACH LOADING DOCK DOOR LOCATION, THERE SHALL BE AN OVERHEAD DOOR MOTOR AND A HYDRAULIC RESTRAINT SYSTEM.



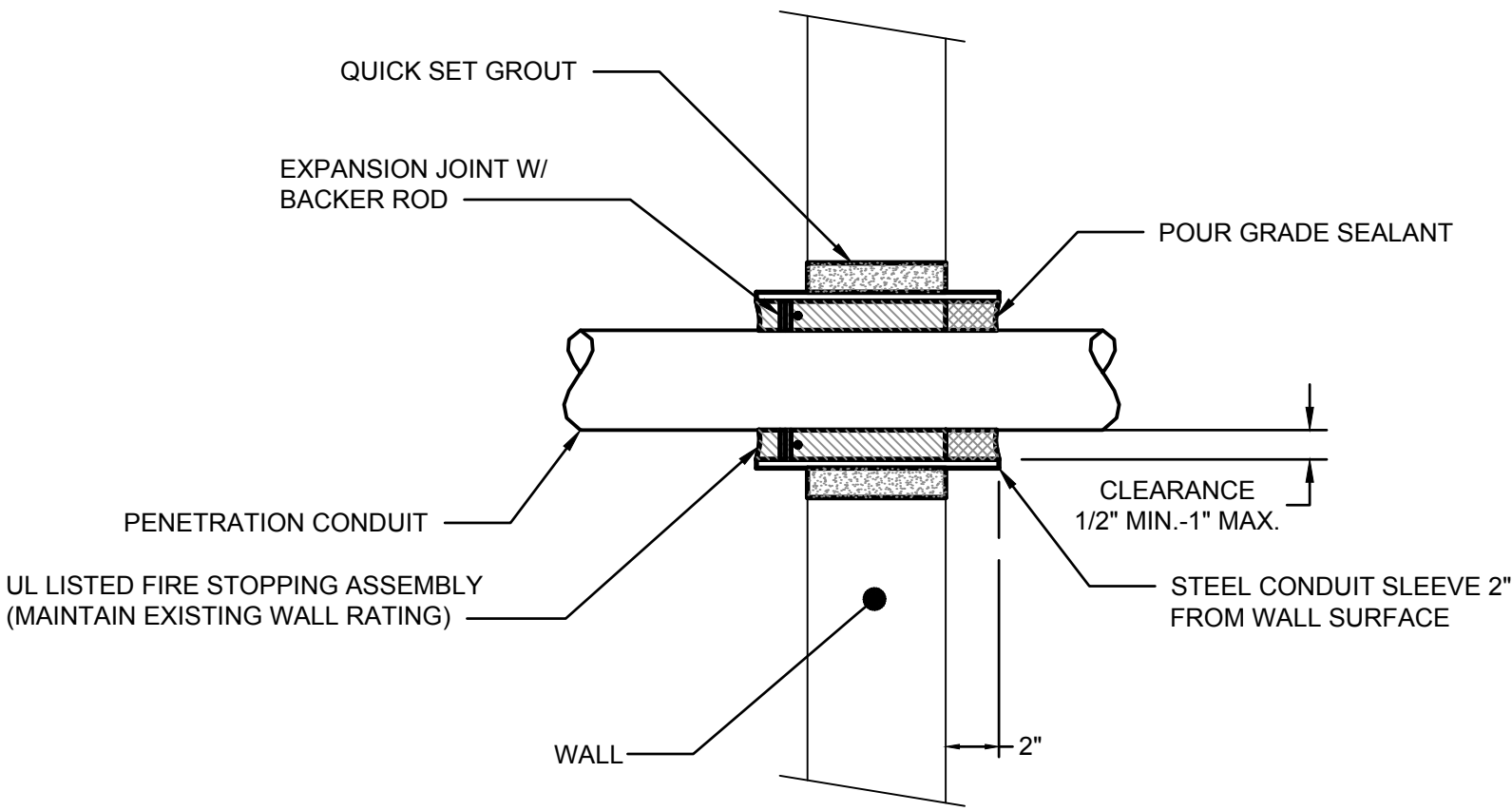
- NOTE:
1. RETAIN THE SERVICES OF ALLMARK DOOR (DONALD MARKHAM - DONALD.MARKHAM@ALLMARKDOORS.COM; 908-342-7187) FOR INSTALLATION AND TESTING OF LOADING DOCK DOOR SYSTEMS.
 2. AT EACH LOADING DOCK DOOR LOCATION, THERE SHALL BE AN OVERHEAD DOOR MOTOR AND A HYDRAULIC RESTRAINT SYSTEM.

1
E502

LOADING DOCK DOOR - TYPICAL ELECTRICAL INSTALLATION

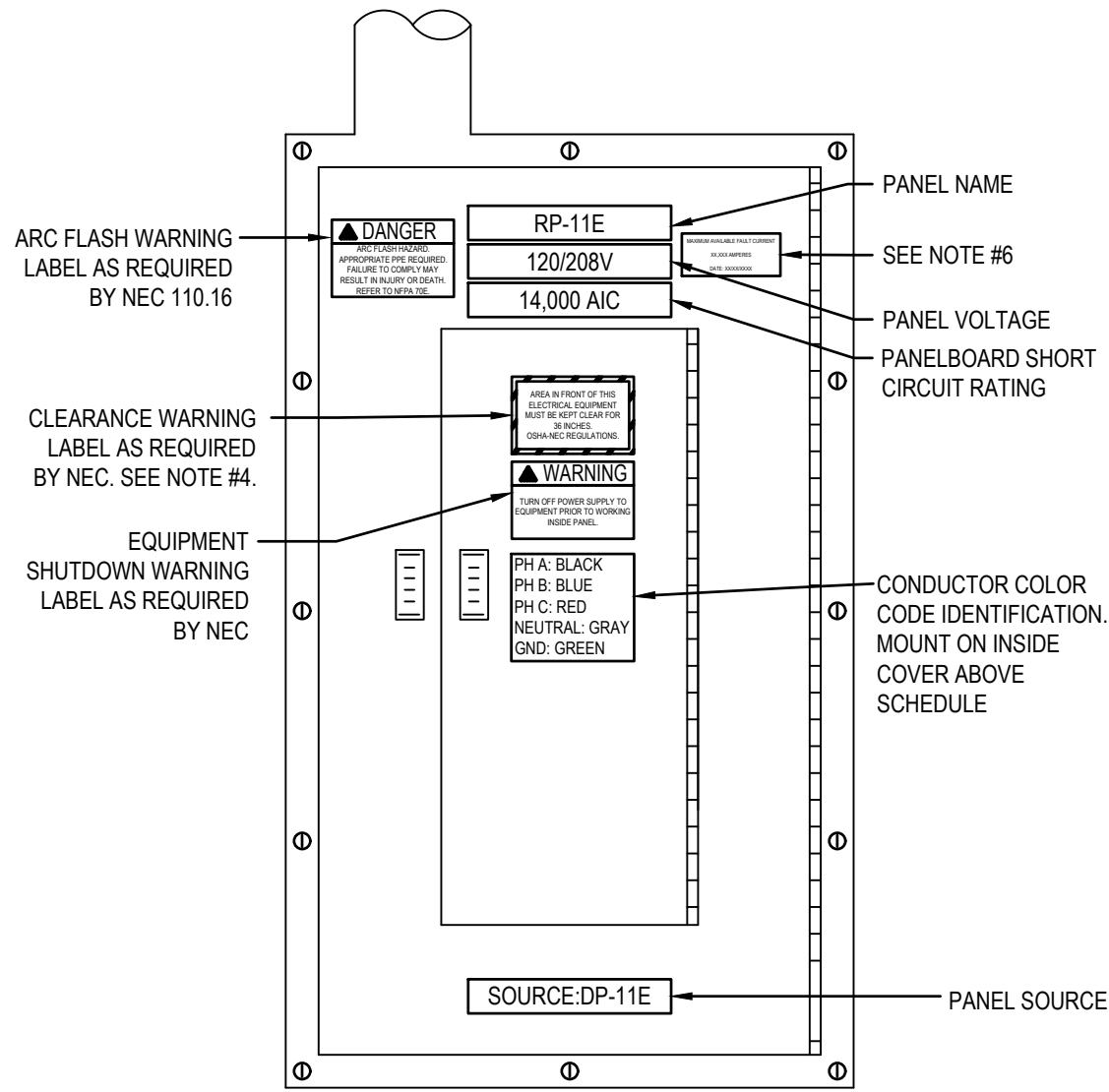
2
E502

HYDRAULIC RESTRAINT SYSTEM - TYPICAL ELECTRICAL INSTALLATION



3
E502

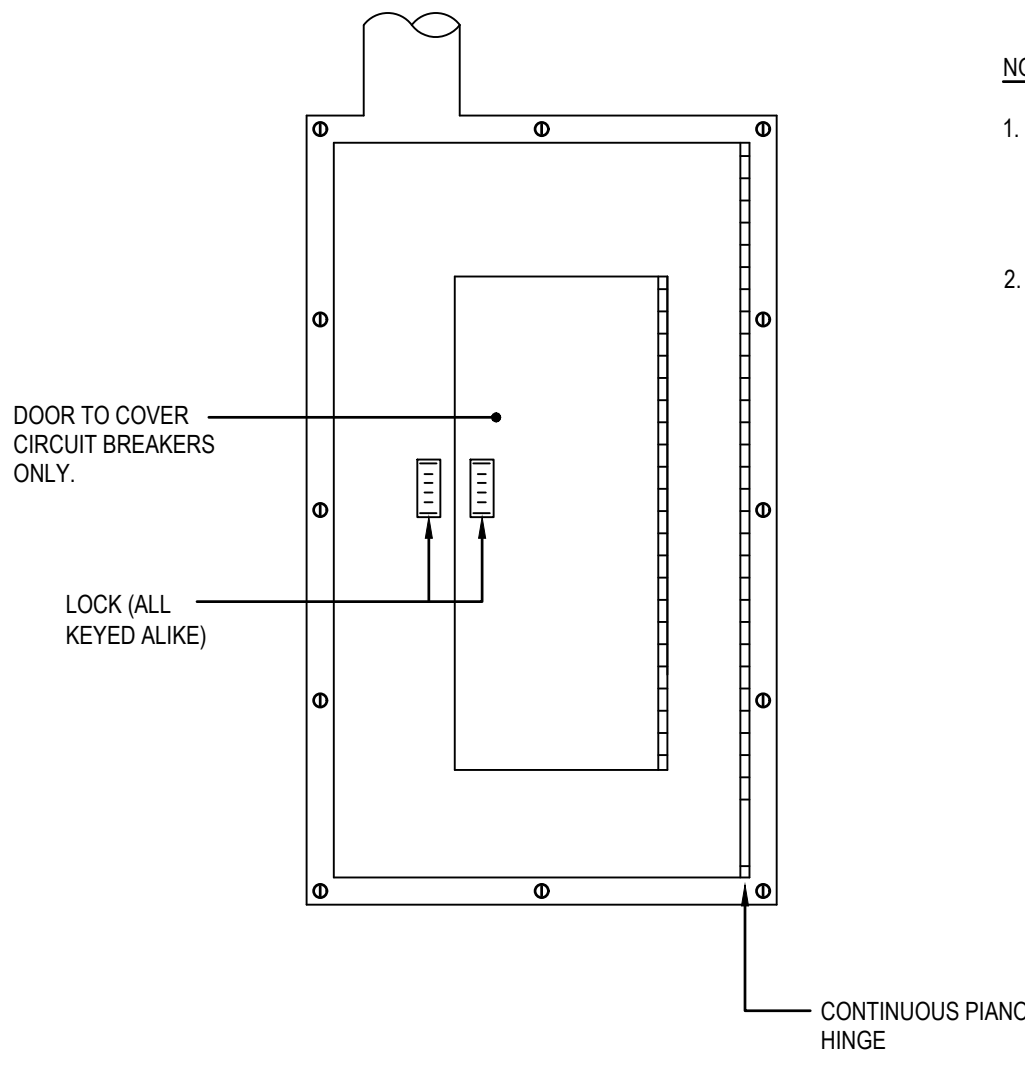
WALL PENETRATION AND FIRE STOPPING DETAIL



4
E502

PANEL IDENTIFICATION & WARNING LABELING DETAIL

- NOTES:
1. ALL NEW PANELS FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE PROVIDED WITH ALL IDENTIFICATION AND WARNING LABELS AS SHOWN IN THIS DETAIL.
 2. ALL HAZARD MARKINGS SHALL COMPLY WITH THE REQUIREMENTS OF NEC SECTION 110.21(B).
 3. ALL EXISTING PANELS MODIFIED IN THIS CONTRACT SHALL BE PROVIDED WITH PANELBOARD IDENTIFICATION AND WARNING LABELS AS SHOWN IN THIS DETAIL IF NOT ALREADY COMPLIANT.
 4. ELECTRICAL CONTRACTOR TO PROVIDE NOTATION OF CLEARANCE REQUIREMENTS IN ACCORDANCE WITH NEC TABLE 110.26(A)(1) BASED ON CONDITION OF EQUIPMENT INSTALLATION.
 5. ELECTRICAL CONTRACTOR SHALL PROVIDE TYPEWRITTEN PANEL SCHEDULE FOR ALL NEW PANELBOARDS AND EXISTING PANELBOARDS THAT ARE TO BE MODIFIED UNDER THIS CONTRACT REFLECTING AS-BUILT CIRCUITRY AS PER NEC SECTION 408.
 6. ALL SERVICE RATED EQUIPMENT SHALL BE PROVIDED WITH INFORMATIONAL LAMECROID TAG INDICATING THE AVAILABLE FAULT CURRENT AT THE FEEDERS INCOMING TO THE EQUIPMENT. COORDINATE WITH LOCAL UTILITY FOR FAULT CURRENT DATA.



5
E502

DOOR IN DOOR COVER DETAIL

NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.

ARCHITECT

di Domenico + Partners LLP
Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC
JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns
BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI
GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	N.T.S.

DRAWING TITLE :

ELECTRICAL DETAILS

DWG NUMBER :

E-502

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS.

ARCHITECT

diD

Architecture
Landscape Architecture
Planning
3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	N.T.S.

DRAWING TITLE :

ELECTRICAL PANEL
SCHEDULES SHEET 1 OF 6

DWG NUMBER :

E-601

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

SERVICE SWITCHBOARD DESIGNATION : PRIMARY SERVICE SWITCHGEAR

VOLTAGE13200V

PHASE/WIRE3Ø, 4W

NEUTRAL100%

MIN. K.A.I.C. SYM14 K.A.I.C.

BUS RATING600 A

MAIN LUGS ONLY600 A

REMARKS

FEEDER SWITCH				LOAD DESCRIPTION	LOAD (KVA)	QUANTITY OF FEEDERS (SETS)	FEEDER (EACH SET)						REMARKS		
NO.	SW SIZE	SW TYPE	FUSE TYPE				PHASE LEGS		NEUTRAL		GROUND				
2	-	-	-	-	FIRE PUMP CONNECTION	103.09	REFER TO DRAWING E-701 FOR FEEDER REQUIREMENTS								
3	600A	-	40A	E	10 DUNNIGAN	287.83	REFER TO DRAWING E-701 FOR FEEDER REQUIREMENTS								
4	600A	-	125A	E	20 DUNNIGAN	470.00	REFER TO DRAWING E-701 FOR FEEDER REQUIREMENTS								
5	600A	-	150A	E	SWITCHBOARD 'SWBD-N' VIA XFMR 'T-A'	1987.25	REFER TO DRAWING E-701 FOR FEEDER REQUIREMENTS								
6	600A	-	80A	E	PHOTOVOLTAIC SYSTEM CONNECTION	-	REFER TO PHOTOVOLTAIC SYSTEM DRAWINGS FOR FEEDER REQUIREMENTS								
7	-	-	-	-	FUTURE SWITCH	-									

DISTRIBUTION BOARD DESIGNATION : SWBD-N

VOLTAGE480Y/277 V

PHASE/WIRE3Ø, 4W

NEUTRAL100%

MIN. K.A.I.C. SYM65 K.A.I.C.

BUS RATING3000 A

MAIN CIRCUIT BREAKER3000 A

REMARKS

CIRCUIT BREAKER				LOAD DESCRIPTION	LOAD (KVA)	QUANTITY OF FEEDERS (SETS)	FEEDER (EACH SET)						REMARKS				
NO.	FRAME	TRIP	TYPE				PHASE LEGS		NEUTRAL		GROUND						
1	225A	100A		PANEL 'EM-LS-H' VIA 'ATS-LS'	22.99	REFER TO DRAWING E-701 FOR FEEDER REQUIREMENTS											
2	1200A	800A		PANEL 'EM-EQ-H' VIA 'ATS-EQ'	512.13	REFER TO DRAWING E-701 FOR FEEDER REQUIREMENTS											
3	400A	400A		PANEL 'EM-AS/RS-H' VIA 'ATS-AS/RS'	141.34	REFER TO DRAWING E-701 FOR FEEDER REQUIREMENTS											
4	1200A	1200A		DISTRIBUTION PANELBOARD 'DP-AS/RS-1'	625.62	REFER TO DRAWING E-701 FOR FEEDER REQUIREMENTS											
5	1200A	800A		DISTRIBUTION PANELBOARD 'DP-AS/RS-2'	354.30	REFER TO DRAWING E-701 FOR FEEDER REQUIREMENTS											
6	1200A	800A		PANEL 'DP-OFFICE'	330.86	REFER TO DRAWING E-701 FOR FEEDER REQUIREMENTS											

DISTRIBUTION BOARD DESIGNATION : EMDP

VOLTAGE480Y/277 V

PHASE/WIRE3Ø, 4W

NEUTRAL100%

MIN. K.A.I.C. SYM65 K.A.I.C.

BUS RATING1200 A

MAIN CIRCUIT BREAKER1200 A

REMARKS

CIRCUIT BREAKER				LOAD DESCRIPTION	LOAD (KVA)	QUANTITY OF FEEDERS (SETS)	FEEDER (EACH SET)						REMARKS				
NO.	FRAME	TRIP	TYPE				PHASE LEGS		NEUTRAL		GROUND						
1	225A	225A		PANEL 'EM-LS-H' VIA 'ATS-LS'	22.99	REFER TO DRAWING E-701 FOR FEEDER REQUIREMENTS											
2	800A	800A		PANEL 'EM-EQ-H' VIA 'ATS-EQ'	512.13	REFER TO DRAWING E-701 FOR FEEDER REQUIREMENTS											
3	400A	400A		PANEL 'EM-AS/RS-H' VIA 'ATS-AS/RS'	141.34	REFER TO DRAWING E-701 FOR FEEDER REQUIREMENTS											
4	-	-		SPACE & PROVISIONS	-	-											

DISTRIBUTION BOARD DESIGNATION : EM-EQ-H

VOLTAGE480Y/277 V

PHASE/WIRE3Ø, 4W

NEUTRAL100%

MIN. K.A.I.C. SYM65 K.A.I.C.

BUS RATING800 A

MAIN CIRCUIT BREAKER800 A

REMARKS

CIRCUIT BREAKER				LOAD DESCRIPTION	LOAD (KVA)	QUANTITY OF FEEDERS (SETS)	FEEDER (EACH SET)						REMARKS				
NO.	FRAME	TRIP	TYPE				PHASE LEGS		NEUTRAL		GROUND						
1	100A	20A		GAS BOOSTER PUMP	0.91	REFER TO DRAWING E-703 FOR FEEDER REQUIREMENTS											
2	400A	400A		PANEL 'EM-QC-10'	393.24	REFER TO DRAWING E-703 FOR FEEDER REQUIREMENTS											
3	100A	60A		ELEVATOR DISCONNECT	17.46	REFER TO DRAWING E-703 FOR FEEDER REQUIREMENTS											
4	100A	30A		LOADING DOCK DOORS (T31 - T33)	12.16	REFER TO DRAWING E-203 FOR FEEDER REQUIREMENTS											
5	100A	30A		LOADING DOCK DOORS (T34 - T37)	15.90	REFER TO DRAWING E-203 FOR FEEDER REQUIREMENTS											
6	100A	30A		LOADING DOCK DOORS (T38 - T41)	15.90	REFER TO DRAWING E-203 FOR FEEDER REQUIREMENTS											
7	150A	150A		PANEL 'EM-EQ-L' VIA XFMR 'T-EM-EQ'	13.20	REFER TO DRAWING E-703 FOR FEEDER REQUIREMENTS											
8	100A	20A		HYDRAULIC RESTRAINT SYSTEM (DOORS T31 - T35)	9.17	REFER TO DRAWING E-203 FOR FEEDER REQUIREMENTS											
9	100A	20A		HYDRAULIC RESTRAINT SYSTEM (DOORS T36 - T41)	10.91	REFER TO DRAWING E-203 FOR FEEDER REQUIREMENTS											
10	100A	35A		HOT WATER PUMP 'HWP-1-1'	11.64	REFER TO DRAWING E-703 FOR FEEDER REQUIREMENTS											
11	100A	35A		HOT WATER PUMP 'HWP-1-2' - STANDBY	11.64	REFER TO DRAWING E-703 FOR FEEDER REQUIREMENTS											

DISTRIBUTION BOARD DESIGNATION : DP-ASRS-1

VOLTAGE480Y/277 V

PHASE/WIRE3Ø, 4W

NEUTRAL100%

MIN. K.A.I.C. SYM35 K.A.I.C.

BUS RATING1200 A

MAIN CIRCUIT BREAKER1200 A

REMARKS

CIRCUIT BREAKER				LOAD DESCRIPTION	LOAD (KVA)	QUANTITY OF FEEDERS (SETS)	FEEDER (EACH SET)						REMARKS				
NO.	FRAME	TRIP	TYPE				PHASE LEGS		NEUTRAL		GROUND						
1	200A	200A		AS/RS SRM #2	141.34	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
2	200A	200A		AS/RS SRM #3	141.34	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
3	100A	100A		AS/RS MCP #1	20.78	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
4	100A	100A		AS/RS MCP #2	20.78	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
5	100A	100A		AS/RS MCP #3	20.78	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
6	100A	100A		AS/RS MCP #4	20.78	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
7	100A	100A		AS/RS MCP #5	20.78	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
8	100A	100A		AS/RS MCP #6	20.78	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
9	100A	100A		AS/RS MCP #7	20.78	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
10	250A	250A		AS/RS VRC	20.78	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
11	-	-		SPACE & PROVISIONS	-	-											
12	-	-		SPACE & PROVISIONS	-	-											
13	-	-		SPACE & PROVISIONS	-	-											
14	-	-		SPACE & PROVISIONS	-	-											

DISTRIBUTION BOARD DESIGNATION : DP-ASRS-2

VOLTAGE480Y/277 V

PHASE/WIRE3Ø, 4W

NEUTRAL100%

MIN. K.A.I.C. SYM35 K.A.I.C.

BUS RATING800 A

MAIN CIRCUIT BREAKER800 A

REMARKS

CIRCUIT BREAKER				LOAD DESCRIPTION	LOAD (KVA)	QUANTITY OF FEEDERS (SETS)	FEEDER (EACH SET)						REMARKS				
NO.	FRAME	TRIP	TYPE				PHASE LEGS		NEUTRAL		GROUND						
1	100A	60A		PANEL 'LP-AS/RS' VIA XFMR 'T-AS/RS'	20.30	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
2	225A	175A		AIR COMPRESSOR (75HP)	79.81	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
3	225A	175A		AIR COMPRESSOR (75HP) - STANDBY	79.81	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
4	100A	20A		AIR COMPRESSOR DRYER	2.50	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
5	150A	150A		PANEL 'PP-AC'	71.33	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
6	250A	200A		PANEL 'PP-M'	100.55	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
7	-	-		SPACE & PROVISIONS	-	-											
8	-	-		SPACE & PROVISIONS	-	-											
9	-	-		SPACE & PROVISIONS	-	-											
10	-	-		SPACE & PROVISIONS	-	-											

DISTRIBUTION BOARD DESIGNATION : DP-10

VOLTAGE480Y/277 V

PHASE/WIRE3Ø, 4W

NEUTRAL100%

MIN. K.A.I.C. SYM22 K.A.I.C.

BUS RATING800 A

MAIN CIRCUIT BREAKER800 A

REMARKS

CIRCUIT BREAKER				LOAD DESCRIPTION	LOAD (KVA)	QUANTITY OF FEEDERS (SETS)	FEEDER (EACH SET)						REMARKS				
NO.	FRAME	TRIP	TYPE				PHASE LEGS		NEUTRAL		GROUND						
1	225A	225A		PANELBOARD 'PPH-10A'	110.24	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
2	225A	225A		PANELBOARD 'PPH-10B'	129.70	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
3	400A	300A		PANELBOARD 'LP-10A' VIA XFMR 'T-10'	6.32	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
4	100A	100A		AS/RS MCP #9	20.78	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
5	100A	100A		AS/RS MCP #10	20.78	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
6	225A	225A		PANELBOARD 'PPH-10C'	0.00	REFER TO DRAWING E-702 FOR FEEDER REQUIREMENTS											
7	-	-		SPACE & PROVISIONS	-	-											
8	-	-		SPACE & PROVISIONS	-	-											

PANEL DESIGNATION: EM-EQ-L	LOCATION: ADMIN OFFICE ELECTRICAL ROOM					REMARKS:				
	SERVICE:	208Y/120 V 3 PHASE, 4 WIRE								
	MAIN BUS RATING:	225 AMPS								
	MAIN CIRCUIT BREAKER:	150 AMPS				NEUTRAL BUS: 100%				
	SCC RATING (SYM.):	10 k A.I.C.				EQUIPMENT GROUND BUS: YES				
		MOUNTING: SURFACE MOUNTED				GROUNDING: ISOLATED GROUND BUS: NO				
SERVICE TO:	TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:		
ELEVATOR CAB LIGHTING	20A	1	2000			2	20A	IT ROOM RECEPTACLES		
ELEVATOR MACHINERY SPACE RECEPT	20A	3		1680		4	20A	IT ROOM RECEPTACLES		
ELEVATOR MACHINERY SPACE LIGHTS	20A	5			1700	6	20A	IT ROOM RECEPTACLES		
ELEVATOR HOISTWAY RECEPT	20A	7	680			8	20A	BOILER ROOM BMS & RECEPTACLES		
ELEVATOR HOISTWAY LIGHTS	20A	9		1190		10	20A	MER FAN 'MFP-1-1' & DAMPER		
UNIT HEATERS FOR LOADING DOORS 'T31' - 'T41'	20A	11			2250	12	20A	MER UNIT HEATER, WATER HEATER, RECIRC PUMP		
BOILER B-1-1	20A	13	1550			14	20A	SPARE		
BOILER B-1-2	20A	15		1550		16	20A	SPARE		
WATER SOFTENER	20A	17			100	18	20A	SPARE		
EMERGENCY ROOM TF-1-3	20A	19	500			20	20A	SPARE		
SPARE	20A	21		0		22	20A	SPARE		
SPARE	20A	23			0	24	20A	SPARE		
SPARE	20A	25	0			26	20A	SPARE		
SPARE	20A	27		0		28	20A	SPARE		
SPARE	20A	29			0	30	20A	SPARE		
SPARE	20A	31	0			32	20A	SPARE		
SPARE	20A	33		0		34	20A	SPARE		
SPARE	20A	35			0	36	20A	SPARE		
SPARE	20A	37	0			38	20A	SPARE		
SPARE	20A	39		0		40	20A	SPARE		
SPARE	20A	41			0	42	20A	SPARE		

PANEL DESIGNATION: EM-ASRS-H	LOCATION: EMERGENCY ELECTRICAL ROOM					REMARKS:				
	SERVICE:	480Y/277 V 3 PHASE, 4 WIRE								
	MAIN BUS RATING:	400 AMPS								
	MAIN CIRCUIT BREAKER:	400 AMPS				NEUTRAL BUS: 100%				
	SCC RATING (SYM.):	65 k A.I.C.				EQUIPMENT GROUND BUS: YES				
		MOUNTING: SURFACE MOUNTED				GROUNDING: ISOLATED GROUND BUS: NO				
SERVICE TO:	TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:		
SRM#1	200A	1	47112			2	20A	SPARE		
		3		47112		4	20A	SPARE		
		5			47112	6	20A	SPARE		
SPARE	20A	7	0			8	20A	SPARE		
SPARE	20A	9		0		10	20A	SPARE		
SPARE	20A	11			0	12	20A	SPARE		
SPARE	20A	13	0			14	20A	SPARE		
SPARE	20A	15		0		16	20A	SPARE		
SPARE	20A	17			0	18	20A	SPARE		
SPACE & PROVISIONS	-	19	0			20	-	SPACE & PROVISIONS		
SPACE & PROVISIONS	-	21		0		22	-	SPACE & PROVISIONS		
SPACE & PROVISIONS	-	23			0	24	-	SPACE & PROVISIONS		
SPACE & PROVISIONS	-	25	0			26	-	SPACE & PROVISIONS		
SPACE & PROVISIONS	-	27		0		28	-	SPACE & PROVISIONS		
SPACE & PROVISIONS	-	29			0	30	-	SPACE & PROVISIONS		

PANEL DESIGNATION: EM-QC-10	LOCATION: 10 DUNNIGAN ELECTRICAL ROOM					REMARKS:				
	SERVICE:	480Y/277 V 3 PHASE, 4 WIRE								
	MAIN BUS RATING:	400 AMPS								
	MAIN CIRCUIT BREAKER:	400 AMPS				NEUTRAL BUS: 100%				
	SCC RATING (SYM.):	14 k A.I.C.				EQUIPMENT GROUND BUS: YES				
		MOUNTING: SURFACE MOUNTED				GROUNDING: ISOLATED GROUND BUS: NO				
SERVICE TO:	TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:		
QUICK CHARGER #1	60A	1	23833			2				
		3		23833		4	60A	QUICK CHARGER #2		
		5			23833	6				
QUICK CHARGER #3	60A	7	23833			8				
		9		23833		10	60A	QUICK CHARGER #4		
		11			23833	12				
QUICK CHARGER #5	60A	13	23833			14				
		15		23833		16	60A	QUICK CHARGER #6		
		17			23833	18				
QUICK CHARGER #7	60A	19	23833			20				
		21		23833		22	60A	QUICK CHARGER #8		
		23			23833	24				
QUICK CHARGER #9	60A	25	23833			26				
		27		23833		28	60A	QUICK CHARGER #10		
		29			23833	30				
QUICK CHARGER #11	60A	31	11917			32	20A	SPARE		
		33		11917		34	20A	SPARE		
		35			11917	36	20A	SPARE		
SPARE	20A	37	0			38	20A	SPARE		
SPARE	20A	39		0		40	20A	SPARE		
SPARE	20A	41			0	42	20A	SPARE		

PANEL DESIGNATION: PP-M	LOCATION: AS/RS ELECTRICAL ROOM					REMARKS:				
	SERVICE:	480Y/277 V 3 PHASE, 4 WIRE								
	MAIN BUS RATING:	225 AMPS								
	MAIN CIRCUIT BREAKER:	200 AMPS				NEUTRAL BUS: 100%				
	SCC RATING (SYM.):	35 k A.I.C.				EQUIPMENT GROUND BUS: YES				
		MOUNTING: SURFACE MOUNTED				GROUNDING: ISOLATED GROUND BUS: NO				
SERVICE TO:	TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:		
VENTILATION FANS 'F-1-1' THROUGH 'F-1-4'	20A	1	8328			2				
		3		8328		4	20A	AIR CURTAINS AT RAIL DOORS		
		5			8328	6				
VENTILATION FANS 'F-1-5' THROUGH 'F-1-7'	20A	7	7385			8				
		9		7385		10	20A	AIR CURTAINS AT RAIL DOORS		
		11			7385	12				
VENTILATION FANS 'F-1-8' THROUGH 'F-1-10'	20A	13	8362			14				
		15		8362		16	30A	LOADING DOCK DOORS AT RAIL		
		17			8362	18				
VENTILATION FANS 'F-1-11' THROUGH 'F-1-13'	20A	19	4212			20	20A	ASRS NORTH LIGHTING		
		21		4509		22	20A	ASRS NORTH LIGHTING		
		23			4212	24	20A	ASRS NORTH LIGHTING		
ASRS SOUTHLIGHTING	20A	25	2881			26	20A	ASRS SOUTHLIGHTING		
ASRS SOUTHLIGHTING	20A	27		2530		28	20A	ASRS NORTH LIGHTING		
ASRS NORTH LIGHTING	20A	29			2530	30	20A	ASRS NORTH LIGHTING		
ASRS SOUTHLIGHTING	20A	31	2435			32	20A	ASRS SOUTHLIGHTING		
ASRS SOUTHLIGHTING	20A	33		2203		34	20A	CANOPY LIGHTING		
CANOPY LIGHTING	20A	35			1872	36	20A	CANOPY LIGHTING		
CANOPY LIGHTING	20A	37	936			38	20A	SPARE		
SPARE	20A	39		0		40	20A	SPARE		
SPARE	20A	41			0	42	20A	SPARE		

PANEL DESIGNATION: LP-ASRS	LOCATION: AS/RS ELECTRICAL ROOM					REMARKS:				
	SERVICE:	208Y/120 V 3 PHASE, 4 WIRE								
	MAIN BUS RATING:	100 AMPS								
	MAIN CIRCUIT BREAKER:	100 AMPS				NEUTRAL BUS: 100%				
	SCC RATING (SYM.):	10 k A.I.C.				EQUIPMENT GROUND BUS: YES				
		MOUNTING: SURFACE MOUNTED				GROUNDING: ISOLATED GROUND BUS: NO				
SERVICE TO:	TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:		
AAP #1	20A	1	1200			2	20A	PLC #1		
AAP #2	20A	3		1200		4	20A	PLC #2		
AAP #3	20A	5			1200	6	20A	PLC #3		
PROFILE CHECK #1	20A	7	1200			8	20A	NETWORK PANEL		
PROFILE CHECK #2	20A	9		1200		10	20A	PRINT AND APPLY #1		
PROFILE CHECK #3	20A	11			1200	12	20A	PRINT AND APPLY #2		
OVERHEAD MONITOR #1	20A	13	1200			14	20A	PRINT AND APPLY #3		
OVERHEAD MONITOR #2	20A	15		1200		16	20A	PRINT AND APPLY #4		
OVERHEAD MONITOR #3	20A	17			2040	18	20A	AS/RS MAINTENANCE RECEPTACLES		
UNIT HEATERS FOR RAIL DOORS	20A	19	1104			20	20A	AS/RS MAINTENANCE RECEPTACLES		
EXHAUST FAN 'TF-1'-1'	20A	21		1840		22	20A	ELECT. & MECH. ROOM RECEPTACLES		
		23			1660	24	20A	RESTROOM RECEPTACLES		
EXHAUST FANS 'TF-1'-2' & 'TFX-1'-1'	20A	25	1553			26	20A	HAND DRYER		
WATER HEATER	20A	27		1250		28	20A	SPARE		
		29			1250	30	20A	SPARE		
SPARE	20A	31	0			32	20A	SPARE		
SPARE	20A	33		0		34	20A	SPARE		
SPARE	20A	35			0	36	20A	SPARE		
SPARE	20A	37	0			38	20A	SPARE		
SPARE	20A	39		0		40	20A	SPARE		
SPARE	20A	41			0	42	20A	SPARE		

PANEL DESIGNATION: PPH-10A	LOCATION: 10 DUNNINGAN ELECTRICAL ROOM						REMARKS:						
	SERVICE:		480Y/277 V 3 PHASE, 4 WIRE										
	MAIN BUS RATING:		225 AMPS										
	MAIN LUGS ONLY:		225 AMPS										
	SCC RATING (SYM.):		22 k A.I.C.										
		MOUNTING:		SURFACE MOUNTED				NEUTRAL BUS: 100%		EQUIPMENT GROUND BUS: YES			
								GROUNDING:		ISOLATED GROUND BUS: NO			
SERVICE TO:			TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:			
LOADING DOCK DOORS (T57 - T60)	30A	1	10600					2		30A	LOADING DOCK DOORS (T45 - T48)		
		3		10600				4					
		5				10600		6					
LOADING DOCK DOORS (T53 - T56)	30A	7	9353					8		30A	LOADING DOCK DOORS (T42 - T44)		
		9		9353				10					
		11			9353			12					
LOADING DOCK DOORS (T49 - T52)	30A	13	8937					14		20A	HYDRAULIC RESTRAINT SYSTEMS (DOORS T55 - T60)		
		15		8937				16					
		17				8937			18				
SPARE	20A	19	3637					20		20A	HYDRAULIC RESTRAINT SYSTEMS (DOORS T49 - T54)		
SPARE	20A	21		3637				22					
SPARE	20A	23			3637			24					
SPARE	20A	25	4219					26		20A	HYDRAULIC RESTRAINT SYSTEMS (DOORS T42 - T48)		
SPARE	20A	27		4219				28					
SPARE	20A	29			4219			30					
SPARE	20A	31	0					32	20A		SPARE		
SPARE	20A	33		0				34	20A		SPARE		
SPARE	20A	35				0		36	20A		SPARE		
SPARE	20A	37	0					38	20A		SPARE		
SPARE	20A	39		0				40	20A		SPARE		
SPARE	20A	41					0	42	20A		SPARE		

PANEL DESIGNATION: PPH-10B		LOCATION: 10 DUNNIGAN ELECTRICAL ROOM					REMARKS:				
		SERVICE: 480Y/277 V 3 PHASE, 4 WIRE					NEUTRAL BUS: 100% GROUNDING: EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO				
		MAIN BUS RATING: 225 AMPS									
		MAIN LUGS ONLY: 225 AMPS									
		SCC RATING (SYM.): 22 k A.I.C.									
		MOUNTING: SURFACE MOUNTED									
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:		
AIR CURTAINS FOR DOORS (T42 & T43)	20A	1	8646				2		20A	AIR CURTAINS FOR DOORS (T56 & T57)	
		3		8646			4				
		5			8646		6				
AIR CURTAINS FOR DOORS (T44 & T45)	20A	7	8646				8		20A	AIR CURTAINS FOR DOORS (T58 & T59)	
		9		8646			10				
		11				8646	12				
AIR CURTAINS FOR DOORS (T46 & T47)	20A	13	8646				14		20A	AIR CURTAIN FOR DOOR (T60)	
		15		8646			16				
		17				8646	18				
AIR CURTAINS FOR DOORS (T48 & T49)	20A	19	4323				20	20A		SPARE	
		21		4323			22	20A		SPARE	
		23			4323		24	20A		SPARE	
AIR CURTAINS FOR DOORS (T50 & T51)	20A	25	4323				26	20A		SPARE	
		27		4323			28	20A		SPARE	
		29			4323		30	20A		SPARE	
AIR CURTAINS FOR DOORS (T52 & T53)	20A	31	4323				32	20A		SPARE	
		33		4323			34	20A		SPARE	
		35			4323		36	20A		SPARE	
AIR CURTAINS FOR DOORS (T54 & T55)	20A	37	4323				38	20A		SPARE	
		39		4323			40	20A		SPARE	
		41			4323		42	20A		SPARE	

PANEL DESIGNATION: PPH-10C	LOCATION: 10 DUNNIGAN ELECTRICAL ROOM					REMARKS:					
	SERVICE: 480Y/277 V		3 PHASE, 4 WIRE			NEUTRAL BUS: 100% EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO					
	MAIN BUS RATING: 225 AMPS										
	MAIN LUGS ONLY: 225 AMPS										
	SCC RATING (SYM.): 22 k A.I.C.										
		MOUNTING:		SURFACE MOUNTED			GROUNDING:				
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:		
	SPARE	20A	1	0			2	20A	SPARE		
	SPARE	20A	3		0		4	20A	SPARE		
	SPARE	20A	5			0	6	20A	SPARE		
	SPARE	20A	7	0			8	20A	SPARE		
	SPARE	20A	9		0		10	20A	SPARE		
	SPARE	20A	11			0	12	20A	SPARE		
	SPARE	20A	13	0			14	20A	SPARE		
	SPARE	20A	15		0		16	20A	SPARE		
	SPARE	20A	17			0	18	20A	SPARE		
	SPARE	20A	19	0			20	20A	SPARE		
	SPARE	20A	21		0		22	20A	SPARE		
	SPARE	20A	23			0	24	20A	SPARE		
	SPARE	20A	25	0			26	20A	SPARE		
	SPARE	20A	27		0		28	20A	SPARE		
	SPARE	20A	29			0	30	20A	SPARE		
	SPARE	20A	31	0			32	20A	SPARE		
	SPARE	20A	33		0		34	20A	SPARE		
	SPARE	20A	35			0	36	20A	SPARE		
	SPARE	20A	37	0			38	20A	SPARE		
	SPARE	20A	39		0		40	20A	SPARE		
	SPARE	20A	41			0	42	20A	SPARE		

PANEL DESIGNATION: PP-A	LOCATION: ADMIN OFFICE ELECTRICAL ROOM					REMARKS: * FURNISH AND INSTALL GFCI TYPE CIRCUIT BREAKER.					
	SERVICE:		208Y/120 V 3 PHASE, 4 WIRE								
	MAIN BUS RATING:		400 AMPS								
	MAIN CIRCUIT BREAKER:		250 AMPS								
	SCC RATING (SYM.):		10 k A.I.C.								
			MOUNTING:		SURFACE MOUNTED		NEUTRAL BUS: 100%		EQUIPMENT GROUND BUS: YES		
							GROUNDING:		ISOLATED GROUND BUS: NO		
SERVICE TO:			TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:	
MEZZ 1 - OPERATIONS OFFICE RECEPTACLES			20A	1	2520				2	20A	MEZZ 1 - OPERATIONS OFFICE RECEPTACLES
MEZZ 1 - OPERATIONS OFFICE RECEPTACLES			20A	3		2520			4	20A	MEZZ 1 - OPERATIONS OFFICE RECEPTACLES
MEZZ 1 - OPERATIONS OFFICE RECEPTACLES			20A	5			2160		6	20A	MEZZ 1 - DELIVERY ROOM RECEPTACLES
MEZZ 1 - MENS RESTROOM OUTLETS			20A	7	2360				8	20A	* MEZZ 1 - VENDING MACHINE
MEZZ 1 - WOMENS RESTROOM OUTLETS			20A	9		2360			10	20A	* MEZZ 1 - VENDING MACHINE
MEZZ 1 - CORRIDOR RECEPTACLES			20A	11			1860		12	20A	* MEZZ 1 - VENDING MACHINE
MEZZ 2 - MANAGERAL OFFICE RECEPTACLES			20A	13	1800				14	20A	MEZZ 1 - BREAKROOM RECEPTACLES
MEZZ 2 - MANAGERAL OFFICE RECEPTACLES			20A	15		2580			16	20A	MEZZ 1 - WATER HEATER
MEZZ 2 - CONFERENCE ROOM RECEPTACLES			20A	17			2760		18	20A	MEZZ 1 - MCROWAVE
MEZZ 2 - MENS LOCKER ROOM RECEPTACLES			20A	19	2580				20	20A	MEZZ 1 - REFRIGERATOR
MEZZ 2 - MENS RESTROOM RECEPTACLES			20A	21		2300			22	20A	MEZZ 2 - RECEPTION RECEPTACLES
MEZZ 2 - HAND DRYERS			20A	23			2580		24	20A	MEZZ 2 - OFFICE RECEPTACLES
MEZZ 2 - CORRIDOR RECEPTACLES			20A	25	1080				26	20A	ADMIN OFFICE - PANTRY RECEPTACLES
ADMIN OFFICE - RESTROOM RECEPTACLES			20A	27		2700			28	20A	ADMIN OFFICE - CATERING HALL RECEPTACLES
ADMIN OFFICE - COPIER			20A	29			2400		30	20A	ADMIN OFFICE - KITCHEN RECEPTACLES
ADMIN OFFICE - COPIER			20A	31	3000				32	20A	ADMIN OFFICE - REFRIGERATOR
ADMIN OFFICE - STORAGE, COPIER RECEPT			20A	33		2760			34	20A	ADMIN OFFICE - DISHWASHER
ADMIN OFFICE - PRESENTATION HALL RECEPT			20A	35			2760		36	20A	ADMIN OFFICE - WATER HEATER
ADMIN OFFICE - PRESENTATION HALL RECEPT			20A	37	1440				38	20A	ADMIN OFFICE - OFFICE 3 & 4 RECEPTACLES
ADMIN OFFICE - CONFERENCE RECEPTACLES			20A	39		1980			40	20A	ADMIN OFFICE - OFFICE A & B RECEPTACLES
ADMIN OFFICE - OFFICE 1 & 2 RECEPTACLES			20A	41			1980		42	20A	ADMIN OFFICE - OFFICE C RECEPTACLES
ADMIN OFFICE - OFFICE D RECEPTACLES			20A	43	1800				44	20A	ADMIN CENTER - FURNITURE SYSTEM
ADMIN OFFICE - OFFICE E & F RECEPTACLES			20A	45		2160			46	20A	ADMIN CENTER - FURNITURE SYSTEM
ADMIN ROOF RECEPTACLES			20A	47			1440		48	20A	ADMIN CENTER - FURNITURE SYSTEM
TOILET EXHAUST FAN (TXF-R-1)			20A	49	1416				50	20A	ADMIN CENTER - FURNITURE SYSTEM
ADMIN OFFICE - VAV BOXES & HEATERS			20A	51		2830			52	20A	ADMIN CENTER - FURNITURE SYSTEM
ADMIN OFFICE - VAV BOXES & HEATERS			20A	53			2830		54	20A	ADMIN CENTER - FURNITURE SYSTEM
ADMIN OFFICE - VAV BOXES & HEATERS			20A	55	2830				56	20A	ADMIN CENTER - FURNITURE SYSTEM
2ND MEZZ - VAV BOXES & HEATERS			20A	57		2330			58	20A	ADMIN CENTER - FURNITURE SYSTEM
2ND MEZZ - VAV BOXES & HEATERS			20A	59			2080		60	20A	ADMIN CENTER - FURNITURE SYSTEM
1ST MEZZ - VAV BOXES			20A	61	2080				62	20A	ADMIN CENTER - FURNITURE SYSTEM
* ERFH-1			20A	63		2780			64	20A	ADMIN CENTER - FURNITURE SYSTEM
* ERFH-2			20A	65			2780		66	20A	ADMIN CENTER - FURNITURE SYSTEM
* ERFH-3			20A	67	3400				68	20A	* ERFH-4
* ERFH-5			20A	69		2375			70	20A	TF-4-1 & TF-4-2
SPARE			20A	71			200		72	20A	BMS PANEL
SPARE			20A	73	0				74	20A	SPARE
SPARE			20A	75		0			76	20A	SPARE
SPARE			20A	77			0		78	20A	SPARE
SPARE			20A	79	0				80	20A	SPARE
SPARE			20A	81		0			82	20A	SPARE
SPARE			20A	83			0		84	20A	SPARE

PANEL DESIGNATION: QC-20-A	LOCATION: 20 DUNNINGAN QUICK CHARGERS					REMARKS:			
	SERVICE:	480Y/277 V	3 PHASE, 4 WIRE						
	MAIN BUS RATING:	400 AMPS			NEUTRAL BUS:	100%			
	MAIN CIRCUIT BREAKER:	400 AMPS							
	SCC RATING (SYM.):	14 k A.I.C.			GROUNDING:	EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO			
	MOUNTING:	SURFACE MOUNTED							
SERVICE TO:	TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:	
QUICK CHARGER #1	60A	1	23833				2	60A	QUICK CHARGER #2
		3		23833			4		
		5			23833	6			
QUICK CHARGER #3	60A	7	23833				8	60A	QUICK CHARGER #4
		9		23833			10		
		11			23833	12			
QUICK CHARGER #5	60A	13	23833				14	60A	QUICK CHARGER #6
		15		23833			16		
		17			23833	18			
QUICK CHARGER #7	60A	19	23833				20	60A	QUICK CHARGER #8
		21		23833			22		
		23			23833	24			
QUICK CHARGER #9	60A	25	23833				26	60A	QUICK CHARGER #10
		27		23833			28		
		29			23833	30			
QUICK CHARGER #11	60A	31	23833				32	60A	QUICK CHARGER #12
		33		23833			34		
		35			23833	36			
QUICK CHARGER #13	60A	37	23833				38	60A	QUICK CHARGER #14
		39		23833			40		
		41			23833	42			

PANEL DESIGNATION: QC-20-B	LOCATION: 20 DUNNINGAN QUICK CHARGERS					REMARKS:				
	SERVICE:	480Y/277 V	3 PHASE, 4 WIRE							
	MAIN BUS RATING:	400 AMPS								
	MAIN CIRCUIT BREAKER:	400 AMPS								
	SCC RATING (SYM.):	14 k A.I.C.								
	MOUNTING:	SURFACE MOUNTED								
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:	
QUICK CHARGER #15	60A	1	23833				2	60A		QUICK CHARGER #16
		3		23833			4			
		5			23833	6				
QUICK CHARGER #17	60A	7	23833				8	60A		QUICK CHARGER #18
		9		23833			10			
		11			23833	12				
QUICK CHARGER #19	60A	13	23833				14	60A		QUICK CHARGER #20
		15		23833			16			
		17			23833	18				
QUICK CHARGER #21	60A	19	23833				20	60A		QUICK CHARGER #22
		21		23833			22			
		23			23833	24				
QUICK CHARGER #23	60A	25	23833				26	60A		QUICK CHARGER #24
		27		23833			28			
		29			23833	30				
QUICK CHARGER #25	60A	31	23833				32	60A		QUICK CHARGER #26
		33		23833			34			
		35			23833	36				
QUICK CHARGER #27	60A	37	23833				38	60A		QUICK CHARGER #28
		39		23833			40			
		41			23833	42				

PANEL DESIGNATION: QC-20-C	LOCATION: 20 DUNNINGAN QUICK CHARGERS					REMARKS:			
	SERVICE: 480Y/277 V		3 PHASE, 4 WIRE						
	MAIN BUS RATING:		400 AMPS						
	MAIN CIRCUIT BREAKER:		400 AMPS						
	SCC RATING (SYM.):		14 k A.I.C.						
	MOUNTING:		SURFACE MOUNTED						
				NEUTRAL BUS: 100%		EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO			
				GROUNDING:					
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:
QUICK CHARGER #29		60A	1	23833			2	60A	QUICK CHARGER #30
			3		23833		4		
			5			23833	6		
QUICK CHARGER #31		60A	7	23833			8	60A	QUICK CHARGER #32
			9		23833		10		
			11			23833	12		
QUICK CHARGER #33		60A	13	23833			14	60A	QUICK CHARGER #34
			15		23833		16		
			17			23833	18		
QUICK CHARGER #35		60A	19	23833			20	60A	QUICK CHARGER #36
			21		23833		22		
			23			23833	24		
QUICK CHARGER #37		60A	25	23833			26	60A	QUICK CHARGER #38
			27		23833		28		
			29			23833	30		
QUICK CHARGER #39		60A	31	23833			32	60A	QUICK CHARGER #40
			33		23833		34		
			35			23833	36		
QUICK CHARGER #41		60A	37	23833			38	60A	QUICK CHARGER #42
			39		23833		40		
			41			23833	42		

PANEL DESIGNATION: QC-20-D	LOCATION: 20 DUNNIGAN QUICK CHARGERS					REMARKS:				
	SERVICE:	480Y/277 V	3 PHASE, 4 WIRE							
	MAIN BUS RATING:	400 AMPS			NEUTRAL BUS:	100%				
	MAIN CIRCUIT BREAKER:	400 AMPS								
	SCC RATING (SYM.):	14 k A.I.C.			GROUNDING:	EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO				
	MOUNTING:	SURFACE MOUNTED								
SERVICE TO:	TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:		
QUICK CHARGER #43	60A	1	23833				2	60A	QUICK CHARGER #44	
		3		23833						4
		5			23833					6
QUICK CHARGER #45	60A	7	23833				8	60A	QUICK CHARGER #46	
		9		23833						10
		11			23833					12
QUICK CHARGER #47	60A	13	23833				14	60A	QUICK CHARGER #48	
		15		23833						16
		17			23833					18
QUICK CHARGER #49	60A	19	23833				20	60A	QUICK CHARGER #50	
		21		23833						22
		23			23833					24
QUICK CHARGER #51	60A	25	23833				26	60A	QUICK CHARGER #52	
		27		23833						28
		29			23833					30
QUICK CHARGER #53	60A	31	23833				32	60A	QUICK CHARGER #54	
		33		23833						34
		35			23833					36
QUICK CHARGER #55	60A	37	11917				38	20A	SPARE	
		39		11917						40
		41			11917					42

PANEL DESIGNATION: PP-20A	LOCATION: 20 DUNNIGAN					REMARKS:			
	SERVICE:	480Y/277 V	3 PHASE, 4 WIRE						
	MAIN BUS RATING:	400 AMPS			NEUTRAL BUS: 100% EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO				
	MAIN CIRCUIT BREAKER:	400 AMPS							
	SCC RATING (SYM.):	22 K A.I.C.							
	MOUNTING:	SURFACE MOUNTED							
SERVICE TO:	TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:	
LOADING DOCK DOORS (T65 - T68)	30A	1	10600				2	30A	LOADING DOCK DOORS (T77 - T80)
		3		10600			4		
		5			10600	6			
LOADING DOCK DOORS (T69 - T72)	30A	7	10600				8	30A	LOADING DOCK DOORS (T81 - T84)
		9		10600			10		
		11			10600	12			
LOADING DOCK DOORS (T73 - T76)	30A	13	8937				14	20A	HYDRAULIC RESTRAINT SYSTEMS (DOORS T65 - T70)
		15		8937			16		
		17			8937	18			
LOADING DOCK DOORS (T85 & T01 - T03)	30A	19	8937				20	20A	HYDRAULIC RESTRAINT SYSTEMS (DOORS T71 - T76)
		21		8937			22		
		23			8937	24			
SPARE	20A	25	3637				26	20A	HYDRAULIC RESTRAINT SYSTEMS (DOORS T77 - T82)
SPARE	20A	27		3637			28		
SPARE	20A	29			3637	30			
SPARE	20A	31	3637				32	20A	HYDRAULIC RESTRAINT SYSTEMS (DOORS T83 - T85 & T-01 - T03)
SPARE	20A	33		3637			34		
SPARE	20A	35			3637	36			
SPARE	20A	37	0				38	20A	SPARE
SPARE	20A	39		0			40	20A	SPARE
SPARE	20A	41			0	42	20A	20A	SPARE

PANEL DESIGNATION: PP-20B	LOCATION: 20 DUNNIGAN					REMARKS:			
	SERVICE:	480Y/277 V	3 PHASE, 4 WIRE						
	MAIN BUS RATING:	400 AMPS			NEUTRAL BUS: 100% GROUNDING: EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO				
	MAIN CIRCUIT BREAKER:	400 AMPS							
	SCC RATING (SYM.):	22 k A.I.C.							
	MOUNTING:	SURFACE MOUNTED							
SERVICE TO:	TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:	
LOADING DOCK DOORS (T12 - T15)	30A	1	10600				2	30A	LOADING DOCK DOORS (T24 - T27)
		3		10600			4		
		5			10600	6			
LOADING DOCK DOORS (T16 - T19)	30A	7	9353				8	30A	LOADING DOCK DOORS (T28- T30)
		9		9353			10		
		11			9353	12			
LOADING DOCK DOORS (T20 - T23)	30A	13	8937				14	20A	HYDRAULIC RESTRAINT SYSTEMS (DOORS T16 - T21)
		15		8937			16		
		17			8937	18			
LOADING DOCK DOORS (T04 - T07)	30A	19	8937				20	20A	HYDRAULIC RESTRAINT SYSTEMS (DOORS T22 - T27)
		21		8937			22		
		23			8937	24			
LOADING DOCK DOORS (T08 - T11)	30A	25	7191				26	20A	HYDRAULIC RESTRAINT SYSTEMS (DOORS T28 - T30)
		27		7191			28		
		29			7191	30			
HYDRAULIC RESTRAINT SYSTEMS (DOORS T10 - T15)	20A	31	7275				32	20A	HYDRAULIC RESTRAINT SYSTEMS (DOORS T04 - T09)
		33		7275			34		
		35			7275	36			
SPARE	20A	37	1296				38	30A	PANEL 'LP-20A' VIA XFMR 'T-20A'
SPARE	20A	39		970		40			
SPARE	20A	41			0	42			

PANEL DESIGNATION: PP-20C	LOCATION: 20 DUNNIGAN					REMARKS:					
	SERVICE: 480Y/277 V		3 PHASE, 4 WIRE								
	MAIN BUS RATING:		400 AMPS								
	MAIN CIRCUIT BREAKER:		400 AMPS								
	SCC RATING (SYM):		22 k A.I.C.								
	MOUNTING:		SURFACE MOUNTED								
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:		
AIR CURTAINS FOR DOORS (T65 & T66)	20A	1	8646				2		20A	AIR CURTAINS FOR DOORS (T67 & T68)	
		3		8646			4				
		5				8646	6				
AIR CURTAINS FOR DOORS (T69 & T70)	20A	7	8646				8		20A	AIR CURTAINS FOR DOORS (T71 & T72)	
		9		8646			10				
		11			8646		12				
AIR CURTAINS FOR DOORS (T73 & T74)	20A	13	8646				14		20A	AIR CURTAIN FOR DOOR (T75 & T76)	
		15		8646			16				
		17			8646		18				
AIR CURTAINS FOR DOORS (T77 & T78)	20A	19	8646				20		20A	AIR CURTAIN FOR DOOR (T79 & T80)	
		21		8646			22				
		23			8646		24				
AIR CURTAINS FOR DOORS (T81 & T82)	20A	25	8646				26		20A	AIR CURTAIN FOR DOOR (T83 & T84)	
		27		8646			28				
		29			8646		30				
AIR CURTAINS FOR DOORS (T85 & T01)	20A	31	8646				32		20A	AIR CURTAIN FOR DOOR (T02 & T03)	
		33		8646			34				
		35			8646		36				
AIR CURTAINS FOR DOORS (T04 & T05)	20A	37	4323				38	20A	SPARE		
		39		4323			40	20A	SPARE		
		41				4323	42	20A	SPARE		

PANEL DESIGNATION: PP-20D	LOCATION: 20 DUNNIGAN					REMARKS:								
	SERVICE: 480Y/277 V		3 PHASE, 4 WIRE											
	MAIN BUS RATING:		400 AMPS											
	MAIN CIRCUIT BREAKER:		400 AMPS											
	SCC RATING (SYM):		22 k A.I.C.											
	MOUNTING:		SURFACE MOUNTED											
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	NEUTRAL BUS: 100% GROUNDING: EQUIPMENT GROUND BUS. YES ISOLATED GROUND BUS. NO					
SERVICE TO:														
AIR CURTAINS FOR DOORS (T06 & T07)	20A	1	8646				2		20A	AIR CURTAINS FOR DOORS (T08 & T09)				
		3		8646			4							
		5			8646		6							
		7	8646				8							
AIR CURTAINS FOR DOORS (T10 & T11)	20A	9		8646			10		20A	AIR CURTAINS FOR DOORS (T12 & T13)				
		11			8646		12							
		13	8646				14							
		15		8646			16							
AIR CURTAINS FOR DOORS (T14 & T15)	20A	17			8646		18		20A	AIR CURTAIN FOR DOOR (T16 & T17)				
		19	8646				20							
		21		8646			22							
		23			8646		24							
AIR CURTAINS FOR DOORS (T18 & T19)	20A	25	8646				26		20A	AIR CURTAIN FOR DOOR (T20 & T21)				
		27		8646			28							
		29			8646		30							
		31	8646				32							
AIR CURTAINS FOR DOORS (T22 & T23)	20A	33		8646			34		20A	AIR CURTAIN FOR DOOR (T24 & T25)				
		35			8646		36							
		37	4323				38	20A						
		39		4323			40	20A						
AIR CURTAINS FOR DOORS (T26 & T27)	20A	41				4323	42	20A	20A	AIR CURTAIN FOR DOOR (T28 & T29)				
		37	4323				38	20A						
		39		4323			40	20A						
		41				4323	42	20A						
AIR CURTAINS FOR DOORS (T30)	20A								20A	SPARE				
											20A	SPARE		
													20A	SPARE

PANEL DESIGNATION: EM-LS-H	LOCATION: EMERGENCY ELECTRICAL ROOM					REMARKS: FURNISH AND INSTALL EATON QUIK-SPEC COORDINATION PANELBOARD OR APPROVED EQUAL.							
	SERVICE: 480Y/277 V		3 PHASE, 4 WIRE										
	MAIN BUS RATING: 100 AMPS												
	MAIN FUSES: 100 AMPS												
	SCC RATING (SYM): 65 k A.I.C.												
	MOUNTING:		SURFACE MOUNTED			NEUTRAL BUS: 100% GROUNDING		EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO					
SERVICE TO:			TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:			
PANELBOARD 'EM-LP-A'			60A	1	9723				2	60A	PANELBOARD 'EM-LS-L' VIA XFMR 'EM-T-LS'		
				3		7831			4				
				5			5489		6				
SPARE			20A	7	0				8	20A	SPARE		
SPARE			20A	9		0			10	20A	SPARE		
SPARE			20A	11				0	12	20A	SPARE		
SPARE			20A	13	0				14	20A	SPARE		
SPARE			20A	15		0			16	20A	SPARE		
SPARE			20A	17				0	18	20A	SPARE		
SPARE			20A	19	0				20	20A	SPARE		
SPARE			20A	21		0			22	20A	SPARE		
SPARE			20A	23				0	24	20A	SPARE		
SPARE			20A	25	0				26	20A	SPARE		
SPARE			20A	27		0			28	20A	SPARE		
SPARE			20A	29				0	30	20A	SPARE		

PANEL DESIGNATION: EM-LP-A	LOCATION: ADMIN OFFICE ELECTRICAL ROOM					REMARKS: FURNISH AND INSTALL EATON QUIK-SPEC COORDINATION PANELBOARD OR APPROVED EQUAL				
	SERVICE: 480Y/277 V		3 PHASE, 4 WIRE							
	MAIN BUS RATING: 100 AMPS									
	MAIN FUSES: 60 AMPS									
	SCC RATING (SYM): 18 k A.I.C.									
	MOUNTING: SURFACE MOUNTED									
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:	
1ST MEZZANINE EMERGENCY LIGHTING		20A	1	241			2	20A	1ST MEZZANINE EMERGENCY LIGHTING	
PARRIAL WAREHOUSE EMERGENCY LIGHTING		20A	3		120		4	20A	PARRIAL WAREHOUSE EMERGENCY LIGHTING	
2ND MEZZANINE EMERGENCY LIGHTING		20A	5			262	6	20A	2ND MEZZANINE EMERGENCY LIGHTING	
ADMIN OFFICE EMERGENCY LIGHTING		20A	7	454			8	20A	ADMIN OFFICE EMERGENCY LIGHTING	
ADMIN OFFICE EMERGENCY LIGHTING		20A	9		393		10	20A	ADMIN OFFICE EMERGENCY LIGHTING	
NORTH ASRS EMERGENCY LIGHTING		20A	11			2354	12	20A	NORTH ASRS EMERGENCY LIGHTING	
SOUTH ASRS EMERGENCY LIGHTING		20A	13	2178			14	20A	SOUTH ASRS EMERGENCY LIGHTING	
SOUTH ASRS EMERGENCY LIGHTING		20A	15		1828		16	20A	EGRESS STAIR B EMERGENCY LIGHTING	
EGRESS STAIR C EMERGENCY LIGHTING		20A	17			1693	18	20A	NORTH ASRS EMERGENCY LIGHTING	
NORTH ASRS EMERGENCY LIGHTING		20A	19	2070			20	20A	SOUTH ASRS EMERGENCY LIGHTING	
SOUTH ASRS EMERGENCY LIGHTING		20A	21		1840		22	20A	SOUTH ASRS EMERGENCY LIGHTING	
SPARE		20A	23			0	24	20A	SPARE	
SPARE		20A	25	0			26	20A	SPARE	
SPARE		20A	27		0		28	20A	SPARE	
SPARE		20A	29			0	30	20A	SPARE	
SPARE		20A	31	0			32	20A	SPARE	
SPARE		20A	33		0		34	20A	SPARE	
SPARE		20A	35			0	36	20A	SPARE	
SPARE		20A	37	0			38	20A	SPARE	
SPARE		20A	39		0		40	20A	SPARE	
SPARE		20A	41			0	42	20A	SPARE	

PANEL DESIGNATION: EM-LS-L		LOCATION: EMERGENCY ELECTRICAL ROOM					REMARKS: FURNISH AND INSTALL EATON QUIK-SPEC COORDINATION PANELBOARD OR APPROVED EQUAL.				
		SERVICE: 208Y/120 V		3 PHASE, 4 WIRE							
		MAIN BUS RATING:		100 AMPS							
		MAIN FUSES:		100 AMPS							
		SCC RATING (SYM):		10 k A.I.C.							
		MOUNTING:		SURFACE MOUNTED							
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	NEUTRAL BUS: 100% EQUIPMENT GROUND BUS. YES ISOLATED GROUND BUS. NO		
SPRINKLER CABINET COMPRESSOR ROOM		20A	1	3600			2	40A	GENERATOR LOAD CENTER		
SPRINKLER CABINET STAIR C		20A	3		3600		4				
SPRINKLER CABINET STAIR A		20A	5			1180	6	20A	GFCI ELEVATOR PIT		
SPRINKLER CABINET MEZZ		20A	7	1180			8	20A	GFCI RECEP.TACLE FOR ELEV SUMP PUMP		
SPARE		20A	9		50		10	20A	ELEVATOR PIT LIGHT		
SPARE		20A	11			0	12	20A	SPARE		
SPARE		20A	13	0			14	20A	SPARE		
SPARE		20A	15		0		16	20A	SPARE		
SPARE		20A	17			0	18	20A	SPARE		
SPARE		20A	19	0			20	20A	SPARE		
SPARE		20A	21		0		22	20A	SPARE		
SPARE		20A	23			0	24	20A	SPARE		
SPARE		20A	25	0			26	20A	SPARE		
SPARE		20A	27		0		28	20A	SPARE		
SPARE		20A	29			0	30	20A	SPARE		
SPARE		20A	31	0			32	20A	SPARE		
SPARE		20A	33		0		34	20A	SPARE		
SPARE		20A	35			0	36	20A	SPARE		
SPARE		20A	37	0			38	20A	SPARE		
SPARE		20A	39		0		40	20A	SPARE		
SPARE		20A	41			0	42	20A	SPARE		

PANEL DESIGNATION: PP-R-2	LOCATION: ADMIN OFFICE ELECTRICAL ROOM					REMARKS:					
	SERVICE: 208Y/120 V		3 PHASE, 4 WIRE								
	MAIN BUS RATING: 100 AMPS										
	MAIN CIRCUIT BREAKER: 100 AMPS										
	SCC RATING (SYM.): 10 k A.I.C.										
	MOUNTING: SURFACE MOUNTED										
SERVICE TO:			TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:	
DSF-4-23 THROUGH DSF-4-29			20A	1	600				2	20A	DSF-4-30THROUGH DSF-4-36
				3		600			4		
			DSF-4-37 THROUGH DSF-4-43	20A	5				300		
7	300						8	20A	SPARE		
SPARE	20A	9		0			10	20A	SPARE		
SPARE	20A	11				0	12	20A	SPARE		
SPARE	20A	13	0				14	20A	SPARE		
SPARE	20A	15		0			16	20A	SPARE		
SPARE	20A	17				0	18	20A	SPARE		
SPARE	20A	19	0				20	20A	SPARE		
SPARE	20A	21			0		22	20A	SPARE		
SPARE	20A	23				0	24	20A	SPARE		
SPARE	20A	25	0				26	20A	SPARE		
SPARE	20A	27			0		28	20A	SPARE		
SPARE	20A	29				0	30	20A	SPARE		
SPARE	20A	31	0				32	20A	SPARE		
SPARE	20A	33			0		34	20A	SPARE		
SPARE	20A	35				0	36	20A	SPARE		
SPARE	20A	37	0				38	20A	SPARE		
SPARE	20A	39			0		40	20A	SPARE		
SPARE	20A	41				0	42	20A	SPARE		

PANEL DESIGNATION: LP-20A	LOCATION: 20 DUNNINGAN					REMARKS:							
	SERVICE: 208Y/120 V		3 PHASE, 4 WIRE										
	MAIN BUS RATING:		100 AMPS										
	MAIN CIRCUIT BREAKER:		60 AMPS										
	SCC RATING (SYM.):		10 k A.I.C.										
	MOUNTING:		SURFACE MOUNTED										
						NEUTRAL BUS: 100%		EQUIPMENT GROUND BUS: YES					
						GROUNDING:		ISOLATED GROUND BUS: NO					
SERVICE TO:						TRIP		NO.		SERVICE TO:			
HOT WATER UNIT HEATER (1 - 9)						20A 1		1296		2 20A		HOT WATER UNIT HEATER (10 - 18)	
HOT WATER UNIT HEATER (19-28)						20A 3		970		4 20A		HOT WATER HEATER & BMS PANEL BMS-1-2	
SPARE						20A 5		0		6 20A		SPARE	
SPARE						20A 7		0		8 20A		SPARE	
SPARE						20A 9		0		10 20A		SPARE	
SPARE						20A 11		0		12 20A		SPARE	
SPARE						20A 13		0		14 20A		SPARE	
SPARE						20A 15		0		16 20A		SPARE	
SPARE						20A 17		0		18 20A		SPARE	

PANEL DESIGNATION: LP-A	LOCATION: ADMIN OFFICE ELECTRICAL ROOM					REMARKS:								
	SERVICE: 480Y/277 V		3 PHASE, 4 WIRE											
	MAIN BUS RATING:		100 AMPS											
	MAIN CIRCUIT BREAKER:		100 AMPS											
	SCC RATING (SYM.):		10 k A.I.C.											
	MOUNTING:		SURFACE MOUNTED											
						NEUTRAL BUS: 100%		EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO						
						GROUNDING:								
SERVICE TO:						TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:	
PARTIAL WAREHOUSE UNDERSIDE LIGHTING						20A	1	440				2	20A	SPARE
SPARE						20A	3		162			4	20A	1ST MEZZANINE CORRIDOR LIGHTING
1ST MEZZANINE OPERATIONS OFFICES LIGHTING						20A	5			190	6	20A	ST MEZZANINE DELIVERY & SETTLEMENT LIGHTING	
1ST MEZZANINE BATHROOM & CLOSET LIGHTING						20A	7	209			8	20A	1ST MEZZANINE BREAK ROOM	
2ND MEZZANINE LOBBY & VESTIBULE LIGHTING						20A	9		391		10	20A	2ND MEZZANINE LOCKERS & BATHROOM LIGHTING	
2ND MEZZANINE CORRIDOR LIGHTING						20A	11				12	20A	2ND MEZZANINE CONFERENCE ROOM LIGHTING	
2ND MEZZANINE MANAGERIAL OFFICE LIGHTING						20A	13	1046			14	20A	2ND MEZZANINE PARK DECK WEST LIGHTING	
2ND MEZZANINE PARK DECK EAST LIGHTING						20A	15		873		16	20A	ADMIN OFFICE CONFERENCE & OFFICE LIGHTING	
ADMIN OFFICE PRESENTATION HALL LIGHTING						20A	17			589	18	20A	ADMIN OFFICE BATHROOM & KITCHEN LIGHTING	
ADMIN OFFICE ADMIN CENTER WEST LIGHTING						20A	19	931			20	20A	ADMIN OFFICE ADMIN CENTER EAST LIGHTING	
ADMIN OFFICE ELECTRICAL & IT ROOM LIGHTING						20A	21		920		22	20A	PARKING DECK UNDERSIDE WEST LIGHTING	
PARKING DECK UNDERSIDE EAST LIGHTING						20A	23			609	24	20A	20 DUNNIGAN SITE LIGHTING	
10 DUNNIGAN NORTH SITE LIGHTING						20A	25	1515			26	20A	10 DUNNIGAN SOUTH SITE LIGHTING	
SPARE						20A	27		0		28	20A	SPARE	
SPARE						20A	29			0	30	20A	SPARE	
SPARE						20A	31	0			32	20A	SPARE	
SPARE						20A	33		0		34	20A	SPARE	
SPARE						20A	35			0	36	20A	SPARE	
SPARE						20A	37	0			38	20A	SPARE	
SPARE						20A	39		0		40	20A	SPARE	
SPARE						20A	41			0	42	20A	SPARE	

NOTES:

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
2. REFER TO CONTRACT DRAWINGS E-701, E-702, AND E-703 FOR ELECTRICAL ONE-LINE DIAGRAMS.

ARCHITECT



di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning

3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER



JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC

120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER



BURNS ENGINEERING, PC.

1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER



GEI50

1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	N.T.S.

DRAWING TITLE :

ELECTRICAL PANEL
SCHEDULES SHEET 6 OF 6

DWG NUMBER :

E-606

LIGHTING FIXTURE SCHEDULE			
TYPE	DESCRIPTION	VOLTAGE	MAX WATTAGE
8VT	RAIL CANOPY LIGHTS	277V	117W
A2	PARKING DECK LED LIGHT	277V	23W
A	HIGH BAY LED	277V	230W
AN	HIGH BAY LED	277V	230W
AN-EM	SAME AS ABOVE, BUT BRANCH CIRCUIT IS FED FROM EMERGENCY POWER SOURCE		
AW	HIGH BAY LED	277V	230W
AW-EM	SAME AS ABOVE, BUT BRANCH CIRCUIT IS FED FROM EMERGENCY POWER SOURCE		
B4	4' LED MULTIPURPOSE LINEAR	277V	27W
B4-EM	SAME AS ABOVE, BUT BRANCH CIRCUIT IS FED FROM EMERGENCY POWER SOURCE		
C8	8' LED MULTIPURPOSE LINEAR	277V	40W
C8-EM	SAME AS ABOVE, BUT BRANCH CIRCUIT IS FED FROM EMERGENCY POWER SOURCE		
LF1	3" LED DOWNLIGHT	277V	12W
LF1-EM	SAME AS ABOVE, BUT BRANCH CIRCUIT IS FED FROM EMERGENCY POWER SOURCE		
LF2	2'x2' LED FLAT PANEL	277V	19W
LF2-EM	SAME AS ABOVE, BUT BRANCH CIRCUIT IS FED FROM EMERGENCY POWER SOURCE		
P II	AREA / SITE LIGHT	277V	165W
P III	AREA / SITE LIGHT	277V	165W
P IV	AREA / SITE LIGHT	277V	165W
P V	AREA / SITE LIGHT	277V	165W
S4	LED STAIRWELL LIGHT	277V	41W
S4-EM	SAME AS ABOVE, BUT BRANCH CIRCUIT IS FED FROM EMERGENCY POWER SOURCE		
W	EXTERIOR LED WALLPACK	277V	30W
WP3	EXTERIOR LED WALLPACK	277V	137W
WP4	EXTERIOR LED WALLPACK	277V	137W
G1	PARKING GARAGE SURFACE MOUNTED CEILING FIXTURE	277V	49W
G2	PARKING GARAGE SURFACE MOUNTED CEILING FIXTURE	277V	94W

NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR MANUFACTURER MAKE AND MODEL, MOUNTING DETAILS, TRIM STYLE, AND OPTIONAL ACCESSORIES.

NOTES:

- REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
- REFER TO ARCHITECTURAL DRAWINGS FOR LIGHTING FIXTURE LOCATIONS AND SPECIFICATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR LIGHTING CONTROL DETAILS AND SPECIFICATIONS.

ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning

3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC

JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns

BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282
Consultants



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY :	M.DIMATTIA
CHECKED BY :	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE :	AS NOTED

DRAWING TITLE :

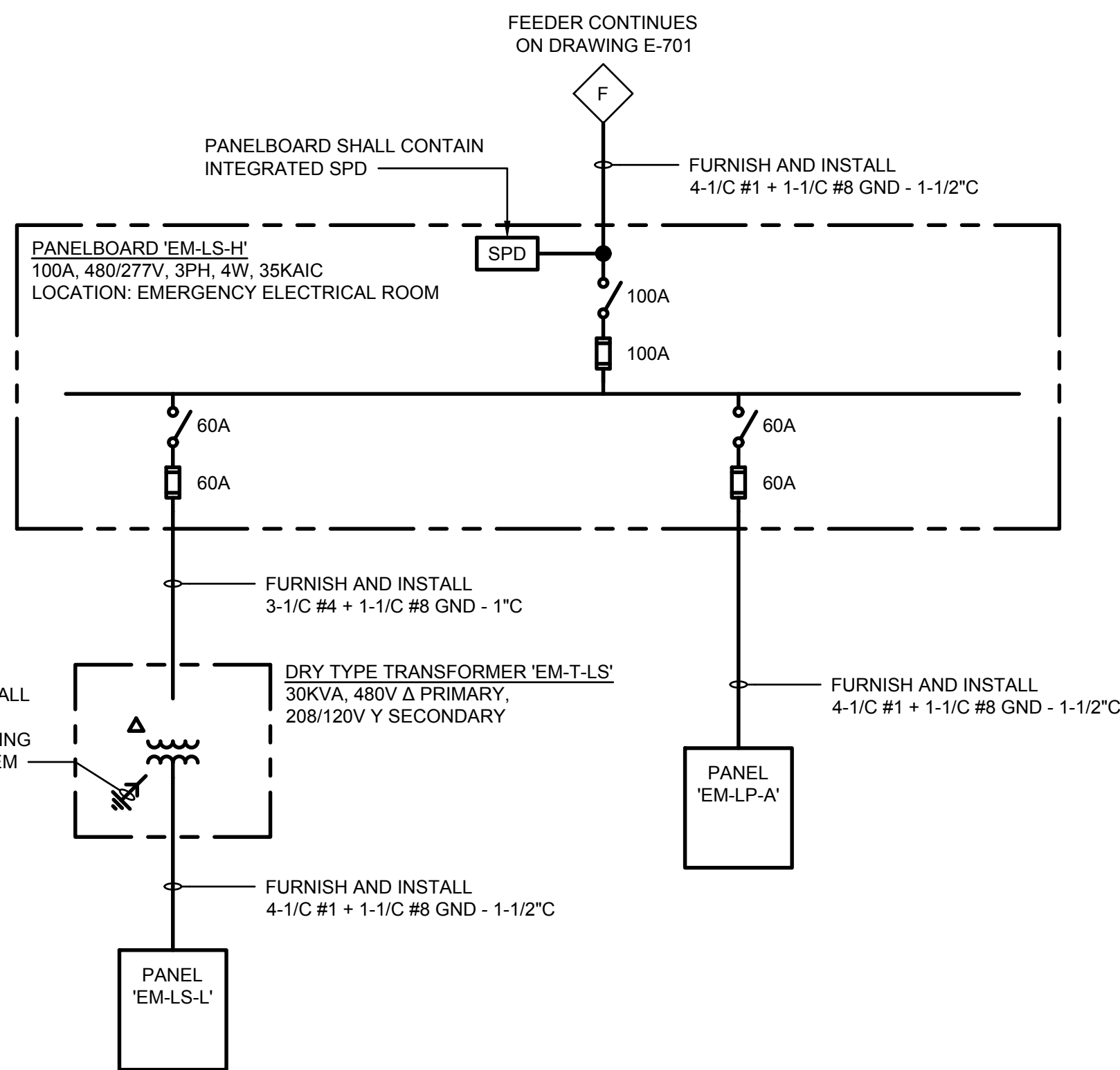
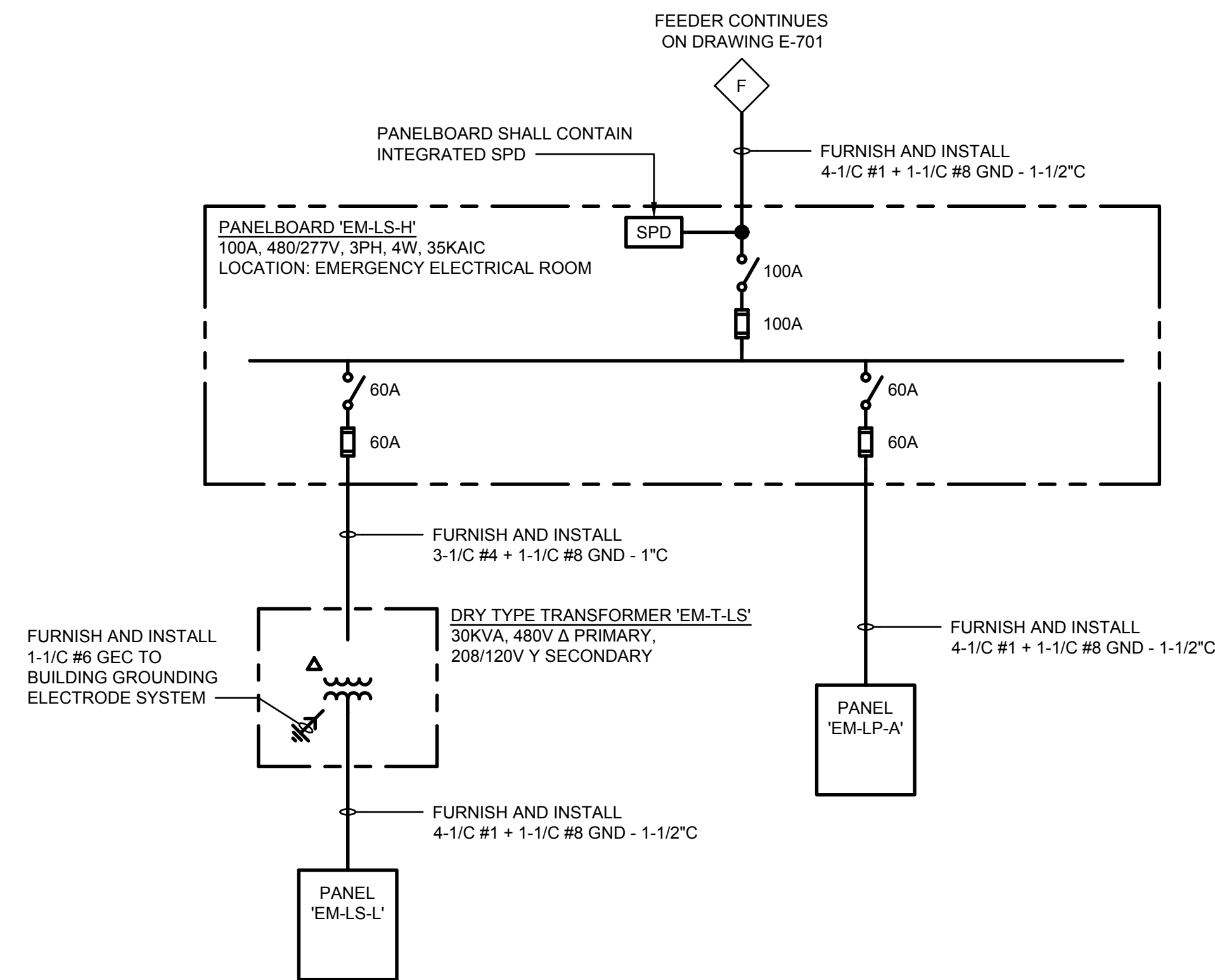
LIGHTING FIXTURE SCHEDULE

DWG NUMBER :

E-607

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

1. REFER TO CONTRACT DRAWING E-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.



TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

CIVIL PLANNING ENGINEER

 JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

STRUCTURAL ENGINEER

GEI  Consultants

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282

KEY PLAN

DRAWING TITLE :

DWG NUMBER :

E-703

ELECTRICAL SPECIFICATIONS			ARCHITECT
PART 1 GENERAL			di Domenico + Partners LLP
1.01 GENERAL REQUIREMENTS			 Architecture Landscape Architecture Planning 3743 Crescent Street, 3rd Floor Long Island City, New York 11101 Tel 212-337-0400 Fax 212-337-3567
A. ALL WORK SHALL COMPLY WITH REQUIREMENTS OF THE 2017 NATIONAL ELECTRICAL CODE, THE 2020 BUILDING CODE OF NEW YORK STATE, BUILDING MANAGEMENT AND ALL AUTHORITIES HAVING JURISDICTION (A/H), APPLICABLE NATIONAL, STATE AND LOCAL CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK SHALL BE INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS.			CIVIL PLANNING ENGINEER
B. IF A CONFLICT OCCURS IN THE SPECIFICATIONS AND/OR ON THE DRAWINGS, THE MORE STRINGENT SITUATION SHALL APPLY.			 JMC Planning Engineering Landscape Architecture & Land Surveying, PLLC 120 Bedford Road Armonk, New York 10504 Tel 914-273-5225 Fax 914-273-2102
C. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF THIS WORK. FINAL ACCEPTANCE SHALL BE DEFINED AS THE TIME AT WHICH THE ELECTRICAL WORK IS TAKEN OVER AND ACCEPTED BY THE OWNER. ENGAGE THE SERVICES OF VARIOUS MANUFACTURERS SUPPLYING THE EQUIPMENT FOR THE PROPER STARTUP, OPERATION AND TRAINING OF ALL SYSTEMS INSTALLED. INSTRUCT THE OWNERS PERSONNEL IN THE PROPER OPERATION AND SERVICING OF THE EQUIPMENT.			MEP ENGINEER
D. ELECTRICAL CONTRACTOR SHALL VISIT AND EXAMINE CAREFULLY THE EXISTING AREAS AFFECTED BY THIS WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND WITH DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THE WORK. CONTRACTOR SHALL PERFORM THIS, PRIOR TO SUBMITTING HIS PROPOSAL. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN UNDERTAKEN.			 BURNS ENGINEERING, PC. 1261 Broadway, Suite 708 New York, New York 10001 Tel 212-962-3503
E. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF WORK. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL DEVICES INCLUDING DIMENSIONS AND ELEVATIONS. WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS.			STRUCTURAL ENGINEER
F. ALTHOUGH NOT SPECIFICALLY MENTIONED HEREIN OR SHOWN ON THE DRAWINGS, ANY EQUIPMENT, MATERIALS, ACCESSORIES, OR LABOR REQUIRED FOR PROPER AND COMPLETE INSTALLATION OF THE ELECTRICAL WORK SHALL BE FURNISHED AND INSTALLED AS PART OF THE ORIGINAL BID.			 GEI Consultants 1385 Broadway, 20th FL New York, New York 10018 Tel 212-687-8282
G. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE LATEST COPY OF THE BUILDING RULES AND REGULATIONS TO DETERMINE THE EXTENT OF PREMIUM TIME WORK REQUIRED. BASE BUILDING SYSTEM INTERRUPTIONS ARE TO BE PERFORMED OUTSIDE OF NORMAL BUSINESS HOURS. COORDINATE WITH BUILDING OWNER FOR ANY SERVICE INTERRUPTION OF EXISTING SYSTEMS AND GIVE NOTICE AS REQUIRED BY BUILDING RULES AND REGULATIONS.			 MANHATTAN BEER DISTRIBUTORS 20 DUNNIGAN DRIVE SUFFERN, NEW YORK
H. ANY DAMAGE TO EXISTING PARTITIONS, FLOORS, CEILINGS OR ANY PART OF THE BUILDING OR EQUIPMENT HOUSED THEREIN CAUSED BY THE WORK OF THE CONTRACTOR SHALL BE REPAIRED AT NO ADDITIONAL EXPENSE TO THE OWNER.			KEY PLAN
I. ALL NEW MATERIALS REQUIRED SHALL CONFORM WITH THE STANDARDS OF UNDERWRITERS LABORATORIES, INC. (UL) IN EVERY CASE WHERE SUCH A STANDARD EXISTS.			
J. DURING THE PROJECT DURATION, THE BUILDING MANAGEMENT OFFICE AND ITS DESIGNATED REPRESENTATIVE SHALL BE ABLE TO INSPECT THE WORK IN PROGRESS. ANY WORK WHICH THE BUILDING MANAGEMENT DEEMS UNACCEPTABLE SHALL BE REMOVED AND REPLACED AT THE EXPENSE OF CONTRACTOR/TENANT.			
K. ALL EQUIPMENT INSTALLED OR CONNECTED INTO THE BUILDING RISERS, SYSTEMS AND INFRASTRUCTURE SHALL BE APPROVED IN ADVANCE BY THE BUILDING PRIOR TO INSTALLATION.			
1.02 SCOPE OF WORK			
A. PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR COMPLETE, SAFE INSTALLATION OF ALL ELECTRICAL WORK. THE SCOPE OF WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:			
1. INSTALLATION OF LIGHTING FIXTURES AND LAMPS INCLUDING EXIT AND EMERGENCY LIGHTING.			
2. INSTALLATION OF WALL SWITCHES, RECEPTACLES, VOICE/DATA, OUTLETS, ETC.			
3. INSTALLATION OF NEW RACEWAY AND CONDUCTORS FOR LIGHTING AND POWER.			
4. ADDITION OR MODIFICATION OF EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT.			
5. INSTALLATION OF MECHANICAL EQUIPMENT FEEDERS AND FINAL CONNECTIONS TO MECHANICAL EQUIPMENT.			
6. GROUNDING OF ALL EQUIPMENT AS REQUIRED BY CODE AND AS SPECIFIED.			
7. MODIFICATION OF EXISTING FIRE ALARM SYSTEM.			
8. TEMPORARY LIGHTING AND POWER DURING CONSTRUCTION.			
9. CUTTING, CHANNELING, CORING, AND CHASING REQUIRED TO ACCOMMODATE ELECTRIC INSTALLATION AND ROUGH PATCHING.			
10. MAINTENANCE AND PROPER OPERATION OF EXISTING BASE BUILDING SYSTEMS WITHIN THE CONTRACT AREA IN ACCORDANCE WITH THE REQUIREMENTS OF BUILDING MANAGEMENT.			
11. PROVISION OF IT INFRASTRUCTURE AS DETAILED.			
12. PROVISION OF SECURITY SYSTEM INFRASTRUCTURE AS DETAILED.			
13. PROVISION OF AUDIO VISUAL SYSTEM INFRASTRUCTURE AS DETAILED.			
14. RECEIPT AND INSTALLATION OF DEVICES, EQUIPMENT, SYSTEMS, SUPPLIED BY OTHERS AS DETAILED.			
15. COORDINATION WITH OTHER TRADES.			
16. COMMISSIONING			
17. GROUND TESTING RESULTS.			
18. SHORT-CIRCUIT, SELECTIVE COORDINATION AND ARC-FLASH HAZARD ANALYSIS.			
1.03 SUBSTITUTIONS			
A. NO SUBSTITUTE MATERIAL OR MANUFACTURER OF EQUIPMENT SHALL BE PERMITTED WITHOUT A FORMAL WRITTEN SUBMITTAL TO THE ENGINEER WHICH INCLUDES ALL DIMENSIONAL, PERFORMANCE AND MATERIAL SPECIFICATIONS. ANY CHANGES IN LAYOUT, MECHANICAL CHARACTERISTICS, STRUCTURAL REQUIREMENTS, OR DESIGN DUE TO THE USE OF A SUBSTITUTION SHALL BE SUBMITTED TO THE ENGINEER AS PART OF THIS PROPOSAL. THE CONTRACTOR TAKES FULL RESPONSIBILITY FOR THE SUBSTITUTION AND ALL CHANGES RESULTING FROM SUBSTITUTION. ALL ITEMS SHALL BE SUBMITTED FOR REVIEW IN CONJUNCTION WITH THE SUBMITTAL. IF THE ALTERNATE ANY SUBSTITUTION MUST BE SUBMITTED WITH AN EXPLANATION WHY SUBSTITUTION IS BEING UTILIZED. IF THE SUBSTITUTED ITEM DEVIATES FROM THE SPECIFIED ITEM, THOSE DEVIATIONS ARE TO BE IDENTIFIED ON A LINE BY LINE BASIS. IF THE SUBSTITUTION IS BEING UTILIZED FOR FINANCIAL REASONS, THE ASSOCIATED CREDIT MUST BE SIMULTANEOUSLY SUBMITTED.			
B. ALL SUBSTITUTED EQUIPMENT SHALL CONFORM TO SPACE REQUIREMENTS AND PERFORMANCE REQUIREMENTS SHOWN ON CONTRACT DOCUMENTS.			
C. CONTRACTOR SHALL SUBMIT BID BASED ON SPECIFIED ITEMS AND SHALL SUPPLY AS AN ALTERNATE PRICE ANY SUBSTITUTIONS.			
D. ALL EQUIPMENT SHALL BE APPROVED FOR USE IN THE STATE OF NEW YORK.			
1.04 SHOP DRAWINGS			
A. SHOP DRAWINGS SUBMISSION SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:			
1. DISTRIBUTION EQUIPMENT (PANELS, SAFETY SWITCHES, ETC.).			
2. OVERCURRENT PROTECTIVE DEVICES (FUSES AND BREAKERS).			
3. LIGHTING FIXTURES.			
4. WIRING DEVICES.			
5. FIRE ALARM EQUIPMENT, WIRING SCHEMATIC AND SEQUENCE OF OPERATION.			
6. COORDINATION DRAWINGS OF ELECTRIC CLOSET LAYOUTS INCLUDING ELEVATIONS AND MOUNTING DETAILS OF PANELBOARDS, TRANSFORMERS, ETC.			
7. FLOOR BOXES/ POKE THRU DEVICES.			
8. GROUNDING EQUIPMENT/DEVICES.			
9. CONDUIT, RACEWAYS, WIREWAYS.			
10. WIRING.			
11. LIGHTING CONTROL SYSTEMS.			
12. TESTING AND COMMISSIONING SCHEDULE.			
13. SCALED FIELD DRAWINGS.			
14. TRANSFORMERS.			
15. GENERATORS.			
16. AUTOMATIC TRANSFER SWITCHES.			
17. SHORT-CIRCUIT COORDINATION, ARC-FLASH HAZARD ANALYSIS.			
B. PROVIDE A MINIMUM OF THREE (3) COPIES OF 8-1/2"x 11" SUBMISSIONS AND TWO (2) SETS OF ALL DRAWINGS.			
C. CHANGES MADE TO SHOP DRAWINGS BY THE CONSULTANT WILL NOT AFFECT THE CONTRACT PRICE.			
1.05 QUALITY ASSURANCE			
A. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, ARTICLE 100, BY A TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED USE.			
B. COMPLY WITH NFPA 70.			
1.06 COORDINATION			
A. COORDINATE CHASES, SLOTS, INSERTS, SLEEVES, AND OPENINGS WITH GENERAL CONSTRUCTION WORK AND ARRANGE IN BUILDING STRUCTURE DURING PROGRESS OF CONSTRUCTION TO FACILITATE THE ELECTRICAL INSTALLATIONS THAT FOLLOW.			
1. SET INSERTS AND SLEEVES IN POURED-IN-PLACE CONCRETE, MASONRY WORK, AND OTHER STRUCTURAL COMPONENTS AS THEY ARE CONSTRUCTED.			
B. SEQUENCE, COORDINATE, AND INTEGRATE INSTALLING ELECTRICAL MATERIALS AND EQUIPMENT FOR EFFICIENT FLOW OF THE WORK. COORDINATE INSTALLING LARGE EQUIPMENT REQUIRING POSITIONING BEFORE CLOSING IN THE BUILDING.			
C. COORDINATE ELECTRICAL SERVICE CONNECTIONS TO COMPONENTS FURNISHED BY UTILITY COMPANIES.			
1. COORDINATE INSTALLATION AND CONNECTION OF EXTERIOR UNDERGROUND AND OVERHEAD UTILITIES AND SERVICES, INCLUDING PROVISION FOR ELECTRICITY-METERING COMPONENTS.			
2. COMPLY WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION AND OF UTILITY COMPANY PROVIDING ELECTRICAL POWER AND OTHER SERVICES.			
D. COORDINATE LOCATION OF ACCESS PANELS AND DOORS FOR ELECTRICAL ITEMS THAT ARE CONCEALED BY FINISHED SURFACES. ACCESS DOORS AND PANELS ARE SPECIFIED IN A SEPARATE DIVISION OF THE SPECIFICATIONS.			
E. WHERE ELECTRICAL IDENTIFICATION DEVICES ARE APPLIED TO FIELD-FINISHED SURFACES, COORDINATE INSTALLATION OF IDENTIFICATION DEVICES WITH COMPLETION OF FINISHED SURFACE.			
F. WHERE ELECTRICAL IDENTIFICATION MARKINGS AND DEVICES WILL BE CONCEALED BY ACOUSTICAL CEILINGS AND SIMILAR FINISHES, COORDINATE INSTALLATION OF THESE ITEMS BEFORE CEILING INSTALLATION.			
1.07 AS-BUILT DRAWINGS			
A. CONTRACTOR SHALL MAINTAIN RECORD DRAWING PRINTS ON JOB SITE AND RECORD, AT TIME OF OCCURRENCE, DEVIATIONS FROM CONTRACT DOCUMENTS.			
B. AT THE COMPLETION OF WORK AND BEFORE FINAL ACCEPTANCE, PROVIDE AS-BUILT DRAWINGS OF THE INSTALLATION, IN AUTO-CAD 2013 OR NEWER.			
C. INCORPORATE ALL CHANGES AND DEVIATIONS FROM BID DRAWINGS, UTILIZING NORMAL RECOGNIZED DRAFTING PROCEDURES THAT MATCH THE ORIGINAL DRAFTING METHODOLOGY. AS-BUILT DRAWINGS SHALL INDICATE ACTUAL LOCATIONS OF ALL EQUIPMENT.			
D. ALL MAIN BRANCH CONDUIT RUNS, JUNCTION BOX LOCATIONS, CONDUIT RUNS FOR ALL FLOOR OUTLETS, ETC., MUST BE REFLECTED ON THE DRAWINGS.			
E. CLEARLY INDICATE THE WORDS "AS-BUILT" IN THE TITLE BLOCK COLUMN OF THE DRAWINGS AS WELL AS THE ELECTRICAL CONTRACTOR'S NAME AND ADDRESS.			
F. SUBMIT A SINGLE (1) PRINT TO CONSULTANT FOR REVIEW. WHEN FOUND ACCEPTABLE BY THE CONSULTANT, SUBMIT THREE (3) SETS OF PRINTS TOGETHER WITH THE CAD DISK FOR PRESENTATION TO THE OWNER.			
1.08 OPERATION AND MAINTENANCE MANUALS			
A. PROVIDE 2 (TWO) SETS OF OPERATION AND MAINTENANCE MANUALS SUBMITTED IN HARD COVER 3-RING BINDERS. INCLUDE THE FOLLOWING INFORMATION IN THE OPERATIONS AND MAINTENANCE MANUALS:			
1. NAMES AND ADDRESS OF LOCAL SUPPLIERS FOR THE ITEMS INCLUDED.			
2. TECHNICAL DATA, PRODUCT DATA, SUPPLEMENTED BY BULLETINS, COMPONENT ILLUSTRATIONS, EXPLODED VIEWS, TECHNICAL DESCRIPTIONS OF ITEMS, AND PARTS LISTS. ADVERTISING OR SALES LITERATURE IS NOT ACCEPTABLE.			
3. THE CONSULTANTS REVIEWED SHOP DRAWINGS.			
4. CERTIFICATE(S) OF ACCEPTANCE FROM THE AUTHORITIES INSPECTION DEPARTMENT.			
5. VERIFICATION REPORTS AND CERTIFICATE(S) FOR ANY NEW FIRE ALARM COMPONENTS OR TIE-INS AND ANY BASE BUILDING TIE-INS FOR MISCELLANEOUS SYSTEMS (I.E. SECURITY, LIGHTING CONTROL, DIGITAL METERING).			
6. WRITTEN GUARANTEE.			
7. LIST OF EACH LUMINAIRE TYPE IDENTIFYING TYPE OF LAMP, WATTAGE AND MANUFACTURER'S CONTACT INFO.			
8. COORDINATION STUDY.			
B. REVIEW INFORMATION PROVIDED IN THE MAINTENANCE INSTRUCTIONS AND MANUALS WITH THE TENANTS' OPERATING PERSONNEL AND LANDLORDS' OPERATING PERSONNEL WHERE BASE BUILDING SYSTEMS ARE REVISED, TO ENSURE A COMPLETE UNDERSTANDING OF THE ELECTRICAL EQUIPMENT AND SYSTEMS AND THEIR OPERATION.			
1.09 MATERIALS AND EQUIPMENT			
A. ALL MATERIALS AND EQUIPMENT SHALL BE NEW, CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY AND MANUFACTURED TO THE STANDARDS SPECIFIED.			
B. WHERE THERE IS NO ALTERNATIVE TO SUPPLYING EQUIPMENT WHICH IS NOT NRTL CERTIFIED, OBTAIN SPECIAL APPROVAL FROM THE LOCAL ELECTRICAL SAFETY AUTHORITY.			
1.10 INSURANCE			
A. PROVIDE AND MAINTAIN INSURANCE TO PROTECT THE LANDLORD, TENANT AND TRADES FROM ALL POSSIBLE CLAIMS. SUBMIT WITH BID FOR AN AMOUNT ACCEPTABLE TO LANDLORD AND TENANT.			
1.11 CONTRACT DOCUMENTS			
A. THE DRAWINGS FOR THE ELECTRICAL WORK ARE DIAGRAMMATIC PERFORMANCE DRAWINGS ONLY, INTENDED TO CONVEY THE SCOPE OF WORK AND INDICATE THE GENERAL ARRANGEMENT AND APPROXIMATE SIZE AND LOCATION OF ELECTRICAL EQUIPMENT. THE DRAWINGS DO NOT INTEND TO SHOW ARCHITECTURAL, INTERIOR DESIGN, MECHANICAL, STRUCTURAL OR BASE BUILDING DETAILS. BE RESPONSIBLE FOR A THOROUGH KNOWLEDGE OF SAME BEFORE PROCEEDING WITH THE WORK.			
B. DO NOT SCALE OR MEASURE DRAWINGS, BUT OBTAIN INFORMATION REGARDING ACCURATE DIMENSIONS FROM THE DIMENSIONS SHOWN ON THE DESIGN CONSULTANT/ARCHITECT'S DRAWINGS, OR BY SITE MEASUREMENTS.			
C. ANY DISCREPANCIES BETWEEN DRAWINGS AND/OR SPECIFICATIONS AND EXISTING CONDITIONS, MUST BE REFERRED TO THE DESIGN CONSULTANT/ARCHITECT BEFORE ANY WORK AFFECTED IS BEGUN.			
D. COOPERATE AND COORDINATE WITH OTHER CONTRACTORS IN LAYING OUT OF WORK SO AS NOT TO CONFLICT WITH THE WORK OF OTHER CONTRACTORS. CARRY OUT WORK PROMPTLY AS PER CONSTRUCTION SCHEDULE AND COORDINATE WITH WORK OF OTHER CONTRACTORS.			
E. MAKE, AT NO ADDITIONAL COST, ANY CHANGES OR ADDITIONS TO MATERIALS AND EQUIPMENT NECESSARY TO ACCOMMODATE STRUCTURAL CONDITIONS (OFFSETS AROUND BEAMS, COLUMN, ETC.)			
1.12 INTENT			
A. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS THAT THE CONTRACTOR PROVIDES COMPLETE AND OPERATIONAL SYSTEMS AS REQUIRED. WHERE DIFFERENCES OCCUR, THE MAXIMUM CONDITION SHALL GOVERN.			
B. ANY MISCELLANEOUS ITEMS, HARDWARE, DEVICES, WIRING, ETC., NOT SPECIFICALLY DESCRIBED, BUT REQUIRED FOR THE OPERATION OF THE SYSTEM, MUST BE PROVIDED AND INCLUDED AS PART OF THE BID.			
1.13 LOCATIONS OF OUTLETS			
A. REFER TO DESIGN CONSULTANT'S/ARCHITECT'S DRAWINGS FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES AND WIRING DEVICES.			
B. CHANGE LOCATION OF OUTLETS AT NO COST OR CREDIT, PROVIDING DISTANCE DOES NOT EXCEED (10'-0") AND INFORMATION IS GIVEN PRIOR TO INSTALLATION.			
C. ALL OUTLETS TO BE MARKED ON JOB SITE FOR APPROVAL BY DESIGN CONSULTANT/ARCHITECT PRIOR TO INSTALLATION.			
1.14 PLYWOOD			
A. ALL SURFACE MOUNTED ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE MOUNTED ON PLYWOOD BACKBOARDS. PROVIDE ALL PLYWOOD BACKBOARDS REQUIRED FOR THE WORK OF THIS DIVISION. PLYWOOD BACKBOARDS SHALL BE 3/4" THICK, OF HIGHEST QUALITY FIRE RETARDANT FIR, PRIME AND PAINT BACKBOARDS WITH FIRE RETARDANT PAINT COLOR AS SELECTED BY THE DESIGN CONSULTANT/ARCHITECT.			
1.15 ACCESS DOORS			
A. WHEREVER ANY BASE BUILDING EQUIPMENT REQUIRES ACCESSIBILITY, MAINTENANCE OR ADJUSTMENT, PROVIDE ACCESS DOORS APPROVED BY DESIGN CONSULTANT/ARCHITECT AND OWNER. ARRANGE FOR ITS INSTALLATION BY THE DIVISION IN WHOSE WORK IT OCCURS.			
1.16 DRY WALL CEILINGS			
A. IN ALL DRYWALL CEILING AREAS, DIVISION 26 IS TO REMOVE AND RELOCATE ALL EXISTING JUNCTION BOXES TO ACCESSIBLE CEILING SPACE.			
B. PROVIDE ACCESS PANELS FOR ALL NEW AND EXISTING DEVICES AS REQUIRED.			
1.17 TRENCHING/CHASING			
A. BEFORE TRENCHING/CHASING FLOOR SLAB OR STRUCTURAL WALLS, X-RAY SLABS OR WALLS AND HAVE THE LOCATIONS APPROVED BY THE OWNER IN WRITING.			
B. ANY EXISTING BUILDING SERVICE DAMAGED BY TRENCHING/CHASING SHALL BE REPAIRED IMMEDIATELY AT NO COST TO OWNER.			
1.18 NOISE AND VIBRATION			
A. ELECTRICAL EQUIPMENT IS TO OPERATE WITHOUT OBJECTIONABLE NOISE OR VIBRATION. IF, IN THE OPINION OF THE OWNER, ARCHITECT OR CONSULTANT, THE EQUIPMENT OPERATES WITH EXCESSIVE NOISE OR VIBRATION, THEN THE EQUIPMENT MUST BE REPLACED OR NOISE OR VIBRATION ELIMINATED.			
B. CONNECTIONS TO NOISE-PRODUCING AND VIBRATING EQUIPMENT MUST BE MADE WITH LIQUID-TIGHT FLEXIBLE CONDUIT AND ASSOCIATED CONNECTORS. THIS INCLUDES TRANSFORMERS, DIMMING EQUIPMENT RACKS, AND MOTORS. USE A MINIMUM OF 3 FT OF FLEXIBLE CABLE WITH SLACK AT EACH DEVICE.			
C. VIBRATION ISOLATORS ARE TO BE PROVIDED WHERE INDICATED OR REQUIRED. TRANSFORMERS TO BE ISOLATED FROM THE STRUCTURE, WITH SPRING AND RUBBER ISOLATORS WHEN WALL MOUNTED OR SUSPENDED AND 1/2" HIGH DENSITY NEOPRENE SANDWICH PADS (TYPE MWP) WHEN FLOOR MOUNTED.			
1.19 OWNERS EQUIPMENT			
A. WHERE SPECIFIED, INSTALL ALL EQUIPMENT PROVIDED BY THE OWNER. RECEIVE, STORE AND INSTALL EQUIPMENT AND ACCEPT FULL RESPONSIBILITY FOR ITS CORRECT OPERATION. PROVIDE CONDUIT, WIRE, BOXES, SWITCHES, OUTLETS, DEVICES, FLEX CONNECTIONS, ETC., AS REQUIRED.			
1.20 INTERRUPTION OF SERVICES			
A. INTERRUPTION OF ELECTRICAL SERVICE TO ANY PART OF THE BUILDING SHALL OCCUR ONLY BY PRE-ARRANGEMENT WITH AND AT TIMES SUITABLE TO THE OWNER.			
B. INTERRUPTIONS SHALL ONLY OCCUR DURING PREMIUM TIME PERIODS; ALL ALLOWANCES FOR THIS SHALL BE INCLUDED IN THE PRICE SUBMITTED.			
1.21 VALUATION OF CHANGES			
A. PROVIDE COMPLETE BREAKDOWN OF MATERIAL, LABOR, OVERHEAD, PROFIT, ETC., WHEN SUBMITTING QUOTATIONS FOR CHANGE NOTICES ON THIS PROJECT.			
B. THE HOURLY LABOR RATE SHALL BE INCLUSIVE OF ALL CHARGES FOR SUPERVISION, VARIABLE LABOR FACTORS, HAND TOOLS, PAYROLL BURDENS, HEIGHT FACTORS, WARRANTIES, STORAGE, RENTALS, ADDITIONAL BONDING, PARKING, CLEANUP, AS-BUILT DRAWINGS, HOISTING, FREIGHT AND DELIVERY, BUT EXCLUSIVE OF OVERHEAD AND PROFIT.			
1.22 ENGINEERS FINAL INSPECTION			
A. FINAL INSPECTION IS IMPERATIVE PRIOR TO CLOSING OF CEILINGS. THIS CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND THE OWNERS REPRESENTATIVE TO PERFORM A FINAL INSPECTION. WHEN CEILING TILES HAVE BEEN INSTALLED IT WILL BE NECESSARY FOR THE CONTRACTOR TO REMOVE PORTIONS FOR INSPECTION.			
1.23 COMPLETION OF CONTRACT			
A. ALL EQUIPMENT MUST BE CLEANED AND TESTED BEFORE FINAL ACCEPTANCE BY THE CONSULTANT.			
B. DEFECTS AND DEFICIENCIES WHICH ORIGINATE OR BECOME EVIDENT DURING THE WARRANTY PERIOD MUST BE REPAIRED OR REPLACED, AT NO COST.			
C. REPLACE, AT NO COST, ALL INCANDESCENT LAMPS BURNED-OUT DURING A THIRTY (30) DAY PERIOD AND ALL BURNED-OUT FLUORESCENT AND HID LAMPS FOR A PERIOD OF NINETY (90) DAYS AFTER DATE OF ISSUANCE OF CERTIFICATE OF "SUBSTANTIAL PERFORMANCE" FOR THE CONTRACT FOR THE WORK.			
D. IF, DURING THE WARRANTY PERIOD, TRANSFORMERS, BALLASTS OR OTHER NOISE AND VIBRATION PRODUCING EQUIPMENT ARE CONSIDERED BY THE CONSULTANT TO EXCEED ACCEPTABLE STANDARDS, THEN THESE MUST BE REPLACED WITHOUT DELAY OR ADDITIONAL COST TO THE OWNER. ALL WORK RELATING TO THE REPLACEMENT OF DEFECTIVE ITEMS, MUST BE CARRIED OUT AFTER NORMAL WORKING HOURS AND AT A TIME WHICH IS ACCEPTABLE TO THE TENANT.			
1.24 DEMOLITION			
A. REFER TO DEMOLITION CONSTRUCTION DRAWING PACKAGE DATED 05/11/2021 FOR DEMOLITION SCOPE OF WORK.			
1.25 WORK IN NEW AND RENOVATED AREAS			
A. WHEN DELETING AND/OR MAKING SAFE EXISTING ELECTRICAL WORK, ENSURE THAT IT INCLUDES REMOVAL OF ALL DISCONNECTED WIRING BACK TO THE ASSOCIATED PANELBOARD OR DISTRIBUTION EQUIPMENT.			
B. DISCONNECT AND REMOVE EXISTING LUMINAIRES, DEVICES, OUTLETS, ETC., WHICH ARE NOT TO BE REUSED. SUCH ITEMS SHALL BE CARTONED AND TURNED OVER TO			
THE OWNER AT A PLACE DESIGNATED BY THE OWNER. CUT BACK AND CAP UNUSED RACEWAY AND OUTLETS AND REMOVE UNUSED WIRING BACK TO PANELBOARD IN AN APPROVED MANNER. REMOVE ALL REDUNDANT COMMUNICATIONS CABLES BACK TO HUB ROOMS AND/OR TELEPHONE RISER ROOMS.			
C. ENSURE THAT ALL EXISTING EQUIPMENT WHICH IS TO BE REUSED AND/OR RELOCATED IS THOROUGHLY INSPECTED AND REFURNISHED TO ENSURE CORRECT OPERATION WHEN PUT BACK INTO SERVICE AND MEETS THE LOCAL ELECTRICAL SAFETY AUTHORITY'S APPROVAL. OUTLET BOXES AND WIRING AND/OR CONDUITS WHICH ARE CORRODED OR DAMAGED ARE TO BE REPLACED.			
D. ALL EXISTING ELECTRICAL EQUIPMENT WHICH IS NO LONGER REQUIRED SHALL BE REMOVED AND DISPOSED OF, OFF SITE.			
E. WHERE EXISTING OUTLET BOXES ARE REMOVED FROM EXISTING UNDERFLOOR DUTCS, PLUG AND CAP EXISTING HOLES FLUSH WITH FLOOR USING APPROVED FITTINGS. REMOVE ALL REDUNDANT WIRE AND CABLE BACK TO SERVICE.			
F. BE RESPONSIBLE AND PAY FOR ANY DAMAGE TO THE BASE BUILDING INCURRED BY WORK OF THIS DIVISION, OR REPAIR TO THE SATISFACTION OF THE CONSULTANT.			
G. CARRY OUT THE WORK WITH A MINIMUM OF NOISE, DUST AND DISTURBANCE.			
H. PROVIDE TOOLS AND CLEAN UP EQUIPMENT. OBTAIN THE LANDLORD'S PERMISSION FOR THE USE OF ELECTRICAL, ELEVATOR, PLUMBING OR DRAINAGE OUTLETS.			
I. PROVIDE DAILY CLEAN UP AND PROPER DISPOSAL OF DEBRIS GENERATED BY DAILY OPERATIONS, ON COMPLETION OF THE WORK, ALL TOOLS, SURPLUS MATERIALS AND WASTE MATERIALS SHALL BE REMOVED AND THE PREMISES LEFT IN A CLEAN AND PERFECT CONDITION.			
J. REMOVE AND REROUTE EXISTING CONDUITS WHICH ARE TO REMAIN IN "FINISHED" AREAS WHICH ARE TO BE EXPOSED.			
K. CONDUITS WHICH ARE TO BE CUT BACK ARE TO TERMINATE IN A JUNCTION BOX.			
L. CLEAN LUMINAIRE REFLECTORS AND LENSES, LAMPS AND OTHER SURFACES THAT HAVE BEEN EXPOSED TO CONSTRUCTION DUST AND DIRT. CLEAN THE INSIDES AND OUTSIDES OF PANELBOARDS, SPLITTERS AND OTHER ELECTRICAL EQUIPMENT, AND COMPLETELY REMOVE ALL DEBRIS AND TOOLS FROM THE PROJECT.			
1.26 SHORT CIRCUIT, SELECTIVE COORDINATION AND ARC-FLASH ANALYSIS			
A. SHORT-CIRCUIT, SELECTIVE COORDINATION AND ARC-FLASH ANALYSES SHALL BE SUBMITTED PRIOR			

[illegible]

ORANGE & ROCKLAND PRIMARY METERING SWITCHGEAR
DETAILED SPECIFICATION
MANUAL OUTDOOR SWITCHGEAR

1. GENERAL

1.1 THE METAL-ENCLOSED SWITCHGEAR IS BASED OFF THE S&C ELECTRIC METAL-ENCLOSED SWITCHGEAR, WHICH IS A DESIGN CONFORMING TO ORANGE & ROCKLAND'S PRIMARY METERING SWITCHGEAR SPECIFICATION DATED 10/1/2004

1.2 DRAWINGS

(1) THE METAL-ENCLOSED SWITCHGEAR ASSEMBLY SHALL BE IN ACCORDANCE WITH THE PLANS AND DRAWINGS.

(2) THE MANUFACTURER SHALL FURNISH, WITH EACH METAL-ENCLOSED SWITCHGEAR ASSEMBLY, A SET OF DRAWINGS COMPLETE WITH A BILL OF MATERIAL AND SHOWING: TYPICAL FRONT VIEWS AND OPEN SIDE VIEWS FOR EACH BAY AS WELL AS TYPICAL COMPONENTS, THEIR POSITIONS, AND AVAILABLE SPACE FOR CABLE TERMINATION; AN ANCHOR BOLT PLAN WITH DIMENSIONS; A ONE-LINE DIAGRAM; AND APPROPRIATE WIRING DIAGRAMS.

(3) THE MANUFACTURER SHALL FURNISH A COMPREHENSIVE INSTRUCTION MANUAL COVERING INSTALLATION OF THE SWITCHGEAR ASSEMBLY AND OPERATION OF THE VARIOUS COMPONENTS.

1.3 THE METAL-ENCLOSED SWITCHGEAR ASSEMBLY SHALL CONSIST OF OUTDOOR SELF-SUPPORTING BAYS, CONTAINING INTERRUPTER SWITCHES AND POWER FUSES IN FEEDER BAYS WITH THE NECESSARY ACCESSORY COMPONENTS, ALL COMPLETELY FACTORY-ASSEMBLED AND OPERATIONALLY CHECKED.

(1) SWITCHGEAR SHALL BE IN CONFORMANCE WITH ORANGE AND ROCKLAND REQUIREMENTS

(2) SWITCHGEAR SHALL BE PROVIDED WITH MOUNTING PROVISIONS FOR ORANGE & ROCKLAND SUPPLIED POTENTIAL AND CURRENT TRANSFORMERS.

(3) BAY 1 (ENTRANCE BAY) IS ORANGE AND ROCKLAND'S METERING BAY.

(4) BAY 2 SHALL BE BUS TAP BAY TO FEED FIRE PUMP TRANSFORMER

(5) BAY 3 THRU BAY 6 SHALL BE OUTGOING FUSED FEEDER BAYS CONTAINING S&C SMU-20 FUSES

(6) INCOMING AND OUTGOING TERMINAL PAD HEIGHTS SHALL BE AT LEAST 24" FROM THE FLOOR

(7) CONTROL POWER FOR HEATERS TO BE SUPPLIED FROM AN EXTERNAL SOURCE SUPPLIED BY THE CUSTOMER

(8) SWITCHGEAR SHALL BE SUPPLIED WITH ANSI CATEGORY A FEATURES

1.4 RATINGS

(1) THE RATINGS FOR THE INTEGRATED SWITCHGEAR ASSEMBLY SHALL BE AS DESIGNATED BELOW.

KV, NOMINAL	13.8	
KV, MAXIMUM	15.5	
KV, BIL	95	
MAIN BUS CONTINUOUS, AMPERES	600	
SHORT-CIRCUIT RATINGS		
AMPERES, RMS SYMMETRICAL	14,000	
MVA THREE-PHASE SYMMETRICAL AT RATED NOMINAL VOLTAGE	335	

THE MOMENTARY AND DUTY-CYCLE FAULT-CLOSING RATINGS OF SWITCHES, MOMENTARY RATING OF BUS, AND INTERRUPTING RATINGS OF FUSES SHALL EQUAL OR EXCEED THE SHORTCIRCUIT RATINGS OF THE METAL-ENCLOSED SWITCHGEAR.

1.5 CERTIFICATION OF RATINGS

(1) THE MANUFACTURER OF THE METAL-ENCLOSED SWITCHGEAR SHALL BE COMPLETELY AND SOLELY RESPONSIBLE FOR THE PERFORMANCE OF THE BASIC SWITCH AND FUSE COMPONENTS AS WELL AS THE COMPLETE INTEGRATED ASSEMBLY AS RATED.

(2) THE MANUFACTURER SHALL FURNISH, UPON REQUEST, CERTIFICATION OF RATINGS OF THE BASIC SWITCH AND FUSE COMPONENTS AND/OR THE INTEGRATED METAL-ENCLOSED SWITCHGEAR ASSEMBLY CONSISTING OF THE SWITCH AND FUSE COMPONENTS IN COMBINATION WITH THE ENCLOSURE(S).

(3) THE INTEGRATED SWITCHGEAR ASSEMBLY SHALL HAVE A BIL RATING ESTABLISHED BY TEST ON SWITCHGEAR OF THE TYPE AND KIND TO BE FURNISHED UNDER THIS SPECIFICATION. CERTIFIED TEST ABSTRACTS ESTABLISHING SUCH RATINGS SHALL BE FURNISHED UPON REQUEST.

1.6 COMPLIANCE WITH STANDARDS & CODES

THE METAL-ENCLOSED SWITCHGEAR SHALL CONFORM TO OR EXCEED THE APPLICABLE REQUIREMENTS OF THE FOLLOWING STANDARDS AND CODES:

(1) ANSI C37.20.3 (METAL-ENCLOSED INTERRUPTER SWITCHGEAR).

(2) THE APPLICABLE PORTIONS OF ARTICLE 490 IN THE NATIONAL ELECTRICAL CODE, INCLUDING ARTICLE 490.21(E), WHICH SPECIFIES THAT THE INTERRUPTER SWITCHES IN COMBINATION WITH POWER FUSES SHALL SAFELY WITHSTAND THE EFFECTS OF CLOSING, CARRYING, AND INTERRUPTING ALL POSSIBLE CURRENTS UP TO THE ASSIGNED MAXIMUM SHORT-CIRCUIT RATING.

(3) THE SWITCHGEAR MANUFACTURER SHALL PROVIDE ENCLOSURES THAT HAVE BEEN PROVEN BY UNDERWRITERS LABORATORIES, INC. TO BE IN COMPLIANCE WITH THE CATEGORY A ENCLOSURE TEST REQUIREMENTS IN ACCORDANCE WITH CONFORMANCE STANDARD ANSI C37.57. CATEGORY A ENCLOSURES ARE INTENDED TO PROVIDE A DEGREE OF PROTECTION AGAINST CONTACT WITH ENCLOSED EQUIPMENT IN GROUND LEVEL INSTALLATIONS SUBJECT TO DELIBERATE UNAUTHORIZED ACTS BY MEMBERS OF THE UNSUPERVISED GENERAL PUBLIC. CATEGORY A ENCLOSURES REQUIRE THE ADDITION OF PADLOCKABLE COVERS FOR WINDOWS AND ACCESSORIES SUCH AS AMMETERS, VOLTMETERS, KILOWATT-HOUR METERS, ETC.

2. CONSTRUCTION

2.1 TO ENSURE A COMPLETELY COORDINATED DESIGN, THE METAL-ENCLOSED SWITCHGEAR SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MINIMUM CONSTRUCTION SPECIFICATIONS OF THE FUSE AND/OR SWITCH MANUFACTURER TO PROVIDE ADEQUATE ELECTRICAL CLEARANCES AND ADEQUATE SPACE FOR FUSE HANDLING.

2.2 ENCLOSURE CONSTRUCTION

(1) IN ESTABLISHING THE REQUIREMENTS FOR THE ENCLOSURE DESIGN, CONSIDERATION SHALL BE GIVEN TO ALL RELEVANT FACTORS SUCH AS CONTROLLED ACCESS; TAMPER RESISTANCE; CORROSION RESISTANCE; PROTECTION FROM INGRESS OF RODENTS, INSECTS, AND WEEDS; AND THE POSSIBILITY OF ARCING FAULTS WITHIN THE ENCLOSURE.

(2) THE ENCLOSURE OF EACH BAY SHALL BE UNITIZED MONOCOQUE CONSTRUCTION TO MAXIMIZE STRENGTH, MINIMIZE WEIGHT, AND INHIBIT CORROSION.

(3) THE MATERIAL FOR ALL EXTERNAL SIDES OF THE ENCLOSURE AND THE ROOF SHALL BE 11-GAUGE HOT-ROLLED, PICKLED AND OILED STEEL SHEET.

(4) EACH BAY CONTAINING HIGH-VOLTAGE COMPONENTS SHALL BE A COMPLETE UNIT IN ITSELF, WITH FULL SIDE SHEETS RESULTING IN DOUBLE-WALL CONSTRUCTION BETWEEN BAYS. TO GUARD AGAINST UNAUTHORIZED OR INADVERTENT ENTRY, SIDE AND REAR SHEETS AND THE TOP SHALL NOT BE EXTERNALLY BOLTED.

(5) THE BASE SHALL BE A CONTINUOUS STEEL CHANNEL OF A THICKER GAUGE MATERIAL THAN USED FOR THE ENCLOSURE AND SHALL EXTEND COMPLETELY AROUND ALL FOUR SIDES OF EACH BAY.

(6) ACCESS TO THE INTERIOR OF THE ENCLOSURE SHALL BE FROM THE FRONT ONLY, ALLOWING PLACEMENT OF THE METAL-ENCLOSED SWITCHGEAR ASSEMBLY TIGHT AGAINST A WALL OR BACK-TO-BACK TO MINIMIZE FLOOR-SPACE REQUIREMENTS.

(7) TO GUARD AGAINST UNAUTHORIZED OR INADVERTENT ENTRY, THERE SHALL BE NO ACCESS TO HIGH VOLTAGE THROUGH SIDE OR REAR SHEETS OF THE METAL-ENCLOSED SWITCHGEAR ASSEMBLY ACCESS TO HIGH VOLTAGE BY MEANS OF EXTERNALLY REMOVABLE PANELS.

(8) TO GUARD AGAINST CORROSION, ALL HARDWARE (INCLUDING DOOR FITTINGS, FASTENERS, ETC.), ALL OPERATING-MECHANISM PARTS, AND OTHER PARTS SUBJECT TO ABRASIVE ACTION FROM MECHANICAL MOTION SHALL BE OF EITHER NONFERROUS MATERIALS, OR GALVANIZED OR ZINC-NICKEL-PLATED MATERIALS. CADMIUM-PLATED FERROUS PARTS SHALL NOT BE USED.

(9) EXTERNALLY ACCESSIBLE HARDWARE SHALL NOT BE USED FOR SUPPORT OF HIGH-VOLTAGE COMPONENTS OR SWITCH-OPERATING MECHANISMS WITHIN THE SWITCHGEAR.

2.3 DOOR CONSTRUCTION

(1) DOORS SHALL BE CONSTRUCTED OF 11-GAUGE HOT-ROLLED, PICKLED AND OILED STEEL SHEET.

(2) DOORS SHALL HAVE 90-DEGREE FLANGES AND SHALL OVERLAP WITH THE DOOR OPENINGS. FOR STRENGTH AND RIGIDITY, AND TO MINIMIZE EXPOSURE, THE DOOR FLANGES SHALL BE WELDED AT THE CORNERS AND SHALL BE FORMED (AT THE TOP AND BOTH SIDES AS A MINIMUM) WITH A DOUBLE BEND SO THAT THE SHEARED-EDGE FLANGES AT THE TOP AND BOTH SIDES FOLD BACK PARALLEL TO THE INSIDE OF THE DOOR.

(3) EACH DOOR SHALL BE EQUIPPED WITH A DOOR HANDLE. THE DOOR HANDLE SHALL BE PADLOCKABLE AND, ON OUTDOOR GEAR, SHALL INCORPORATE A HOOD TO PROTECT THE PADLOCK SHACKLE FROM TAMPERING.

(4) IN CONSIDERATION OF CONTROLLED ACCESS, TAMPER RESISTANCE, AND ARCING FAULTS, EACH DOOR OVER 40 INCHES IN HEIGHT SHALL HAVE A MINIMUM OF THREE CONCEALED, INTERLOCKING, HIGH-STRENGTH LATCHES. DOORS 40 INCHES IN HEIGHT OR LESS SHALL HAVE A MINIMUM OF TWO SUCH LATCHES.

(5) DOORS PROVIDING ACCESS TO INTERRUPTER SWITCHES OR INTERRUPTER SWITCHES WITH POWER FUSES SHALL BE PROVIDED WITH A WIDE-VIEW WINDOW, CONSTRUCTED OF AN IMPACT-RESISTANT MATERIAL, TO FACILITATE CHECKING OF SWITCH POSITION WITHOUT OPENING THE DOOR.

(6) DOORS PROVIDING ACCESS TO FUSES OR FUSED VOLTAGE TRANSFORMERS SHALL HAVE PROVISIONS TO STORE SPARE FUSE UNITS, REFILL UNITS, OR INTERRUPTING MODULES.

2.4 ACCESS CONTROL

ACCESS CONTROL SHALL BE PROVIDED AS FOLLOWS:

(1) DOORS PROVIDING ACCESS TO INTERRUPTER SWITCHES WITH FUSES SHALL BE MECHANICALLY INTERLOCKED TO GUARD AGAINST:

(a) OPENING THE DOOR IF THE INTERRUPTER SWITCH ON THE SOURCE SIDE OF THE FUSE IS CLOSED, AND

(b) CLOSING THE INTERRUPTER SWITCH IF THE DOOR IS OPEN.

(2) DOORS PROVIDING ACCESS TO INTERRUPTER SWITCHES ONLY, WHICH ARE OPERATED BY STORED-ENERGY TYPE SWITCH OPERATORS, SHALL BE MECHANICALLY OR KEY INTERLOCKED TO GUARD AGAINST OPERATING THE INTERRUPTER SWITCH IF THE DOOR IS OPEN.

(3) DOORS AND HINGED-BOLTED PANELS PROVIDING ACCESS TO HIGH-VOLTAGE COMPONENTS SHALL BE PROVIDED WITH FLUSH-MOUNTED KEY-OPERATED SNAPLOCKS AND SHALL HAVE PROVISIONS FOR PADLOCKING.

2.5 INTERNAL PROTECTIVE SCREENS

(1) IN ADDITION TO THE ENCLOSURE DOOR, EACH BAY OR COMPARTMENT THEREOF CONTAINING HIGH-VOLTAGE COMPONENTS SHALL BE PROVIDED WITH AN INTERNAL PROTECTIVE SCREEN, BOLTED CLOSED, TO GUARD AGAINST INADVERTENT ENTRY TO BAYS CONTAINING THESE COMPONENTS WHEN THE ENCLOSURE DOOR IS OPEN.

(2) EACH BAY CONTAINING A CONTROL-POWER TRANSFORMER CAPABLE OF 5 KVA OR GREATER OUTPUT SHALL BE PROVIDED WITH AN INTERNAL PROTECTIVE SCREEN, BOLTED CLOSED, TO GUARD AGAINST INADVERTENT CONTACT WITH THE PRIMARY FUSE WHEN THE ENCLOSURE DOOR IS OPEN. IN SUCH CASES, THE SCREEN SHALL ALSO BE INTERLOCKED TO ENSURE THAT THE SECONDARY LOAD HAS BEEN DISCONNECTED PRIOR TO REMOVAL OF THESE FUSES.

2.6 INSULATORS

THE INTERRUPTER-SWITCH AND FUSE-MOUNTING INSULATORS, MAIN-BUS SUPPORT INSULATORS, INSULATED OPERATING SHAFTS, AND (IF APPLICABLE) PUSH RODS SHALL BE OF A CYCLOALIPHATIC EPOXY RESIN SYSTEM WITH CHARACTERISTICS AND RESTRICTIONS AS FOLLOWS:

(1) OPERATING EXPERIENCE OF AT LEAST 15 YEARS UNDER SIMILAR CONDITIONS.

(2) ADEQUATE LEAKAGE DISTANCE ESTABLISHED BY TEST PER IEC PUBLICATION 507, FIRST EDITION, 1975.

(3) ADEQUATE STRENGTH FOR SHORT-CIRCUIT STRESS ESTABLISHED BY TEST.

(4) CONFORMANCE WITH APPLICABLE ANSI STANDARDS.

(5) HOMOGENEITY OF THE CYCLOALIPHATIC EPOXY RESIN THROUGHOUT EACH INSULATOR TO PROVIDE MAXIMUM RESISTANCE TO POWER ARCS. ABLATION DUE TO HIGH

TEMPERATURES FROM POWER ARCS SHALL CONTINUOUSLY EXPOSE MORE MATERIAL OF THE SAME COMPOSITION AND PROPERTIES SO THAT NO CHANGE IN MECHANICAL OR ELECTRICAL CHARACTERISTICS TAKES PLACE BECAUSE OF ARC-INDUCED ABLATION. FURTHERMORE, ANY SURFACE DAMAGE TO INSULATORS DURING INSTALLATION OR MAINTENANCE OF SWITCHGEAR SHALL EXPOSE MATERIAL OF THE SAME COMPOSITION AND PROPERTIES SO THAT INSULATORS WITH MINOR SURFACE DAMAGE NEED NOT BE REPLACED.

2.7 BUS

2.7.1 HIGH-VOLTAGE MAIN BUS

(1) BUS AND INTERCONNECTIONS SHALL CONSIST OF COPPER BAR CA110, SQUARE EDGE, HARD TEMPER PER ASTM B187. BOLTED COPPER-TO-COPPER CONNECTIONS SHALL HAVE SILVERED INTERFACES AND SHALL BE MADE WITH 1/2"-3 STAINLESS-STEEL BOLTS WITH TWO BRASS FLAT WASHERS PER BOLT, ONE UNDER THE BOLT HEAD AND ONE UNDER THE NUT, AND WITH A STAINLESS-STEEL SPLIT LOCKWASHER BETWEEN THE FLAT WASHER AND THE NUT. THESE BOLTS SHALL BE TIGHTENED TO 35 FOOT-POUNDS TORQUE.

2.7.2 GROUND BUS

(1) THE GROUND BUS SHALL CONSIST OF COPPER BAR CA110, SQUARE EDGE, HARD TEMPER PER ASTM B187. BOLTED COPPER-TO-COPPER CONNECTIONS SHALL HAVE SILVERED INTERFACES AND SHALL BE MADE WITH 1/2"-13 STAINLESS-STEEL BOLTS WITH TWO BRASS FLAT WASHERS PER BOLT, ONE UNDER THE BOLT HEAD AND ONE UNDER THE NUT, AND WITH A STAINLESS-STEEL SPLIT LOCKWASHER BETWEEN THE FLAT WASHER AND THE NUT.

2.8 LOW-VOLTAGE COMPONENTS

(1) ALL LOW-VOLTAGE COMPONENTS, SWITCH OPERATORS (EXCEPT THOSE INTEGRALLY MOUNTED IN THE SWITCHGEAR STILE), SOURCE-TRANSFER CONTROLS, METERS, INSULATORS, AND RELAYS, SHALL BE LOCATED IN GROUNDED, METAL-ENCLOSED COMPARTMENTS SEPARATE FROM HIGH VOLTAGE TO PROVIDE ISOLATION AND SHALL BE ARRANGED TO ALLOW COMPLETE ACCESSIBILITY FOR OPERATION WITHOUT EXPOSURE TO HIGH VOLTAGE.

(2) SPACE HEATERS SHALL BE PROVIDED IN ALL BAYS, SHALL HAVE A GROUNDED, PERFORATED, GALVANIZED STEEL GUARD.

(3) TO PROVIDE ISOLATION FROM HIGH VOLTAGE, LOW-VOLTAGE WIRING, EXCEPT FOR SHORT LENGTHS SUCH AS AT TERMINAL BLOCKS OR SECONDARIES OF SENSING DEVICES, SHALL BE IN GROUNDED CONDUIT, CABLE TRAYS, OR RACEWAYS.

2.9 CABLE-TERMINATION SPACE

TO FACILITATE CABLE PULLING AND INSTALLATION OF CABLE TERMINATORS, PROVISIONS SHALL BE MADE FOR:

(1) FULL FRONT ACCESS FOR POSITIONING AND REMOVAL OF CABLE PULLING SHEAVES.

(2) FREE ACCESS WITHOUT INTERFERENCE FROM NONREMOVABLE STRUCTURAL MEMBERS OR FROM MECHANICAL LINKAGES BETWEEN THE INTERRUPTER-SWITCH BLADES AND OPERATING MECHANISM.

3. FINISH AND FEATURES

3.2 OUTDOOR SWITCHGEAR

3.2.1 OUTDOOR FINISH

(1) THE ENCLOSURE FINISH SHALL CONFORM TO OR EXCEED THE APPLICABLE REQUIREMENTS OF ANSI C57.12.28.

(2) DURING FABRICATION, THE AREAS OF STRUCTURAL PARTS WHICH MAY LATER BECOME INACCESSIBLE, SUCH AS FOLDED EDGES AND OVERLAPPING MEMBERS, SHALL BE GIVEN AN IRON-OXIDE ZINC-CHROMATE ANTICORROSION PRIMER TO ENSURE THAT ALL SURFACES ARE PROTECTED.

(3) FULL COVERAGE AT JOINTS AND BLIND AREAS SHALL BE ACHIEVED BY PROCESSING ENCLOSURES INDEPENDENTLY OF COMPONENTS SUCH AS DOORS AND ROOFS BEFORE ASSEMBLY INTO THE UNITIZED STRUCTURES.

(4) TO REMOVE OILS AND DIRT, TO FORM A CHEMICALLY AND ANODICALLY NEUTRAL CONVERSION COATING TO IMPROVE THE FINISH-TO-METAL BOND, AND TO RETARD UNDERFILM PROPAGATION OF CORROSION, ALL SURFACES SHALL UNDERGO A THOROUGH PRETREATMENT PROCESS COMPRISED OF A FULLY AUTOMATED SYSTEM OF CLEANING, RINSING, PHOSPHATIZING, SEALING, DRYING, AND COOLING BEFORE ANY PROTECTIVE COATINGS ARE APPLIED. BY UTILIZING AN AUTOMATED PRETREATMENT PROCESS, THE ENCLOSURE WILL RECEIVE A HIGHLY CONSISTENT THOROUGH TREATMENT, ELIMINATING FLUCTUATIONS IN REACTION TIME, REACTANT TEMPERATURE, AND CHEMICAL CONCENTRATIONS.

(5) AFTER PRETREATMENT, PROTECTIVE COATINGS SHALL BE APPLIED THAT SHALL HELP RESIST CORROSION AND PROTECT THE STEEL ENCLOSURE. TO ESTABLISH THE CAPABILITY TO RESIST CORROSION AND PROTECT THE ENCLOSURE, REPRESENTATIVE TEST SPECIMENS COATED BY THE ENCLOSURE MANUFACTURER'S FINISHING SYSTEM SHALL SATISFACTORILY PASS THE FOLLOWING TESTS:

(a) 4000 HOURS OF EXPOSURE TO SALT-SPRAY TESTING PER ASTM B 117 WITH:

(i) UNDERFILM CORROSION NOT TO EXTEND MORE THAN 1/32" FROM THE SCRIBE AS EVALUATED PER ASTM D 1654, PROCEDURE A, METHOD 2 (SCRAPING); AND

(ii) LOSS OF ADHESION FROM BARE METAL NOT TO EXTEND MORE THAN 1/8" FROM THE SCRIBE.

(b) 1000 HOURS OF HUMIDITY TESTING PER ASTM D 4585 WITH NO BLISTERING AS EVALUATED PER ASTM D 714.

(c) 500 HOURS OF ULTRAVIOLET ACCELERATED WEATHERING TESTING PER ASTM G 53 USING LAMP UVB-313 WITH NO CHALKING AS EVALUATED PER ASTM D 659, AND NO MORE THAN A 10% REDUCTION OF PAINT GLOSS AS EVALUATED PER ASTM D 523.

(d) CROSSHATCH ADHESION TESTING PER ASTM D 3359 METHOD B WITH NO LOSS OF PAINT.

(e) 160-INCH-POUND IMPACT ADHESION TESTING PER ASTM D 2794 WITH NO PAINT CHIPPING OR CRACKING.

(f) OIL RESISTANCE TESTING CONSISTING OF A 72-HOUR IMMERSION BATH IN MINERAL OIL WITH NO SHIFT IN COLOR, NO STREAKING, AND NO BLISTERING, AND NO LOSS OF HARDNESS.

(g) 3000 CYCLES OF ABRASION TESTING PER ASTM 4060 WITH NO PENETRATION TO THE SUBSTRATE.

CERTIFIED TEST ABSTRACTS SUBSTANTIATING THE ABOVE CAPABILITIES SHALL BE FURNISHED UPON REQUEST.

(6) A HEAVY COAT OF INSULATING "NO-DRIP" COMPOUND SHALL BE APPLIED TO THE INSIDE SURFACE OF THE ROOF STRUCTURE TO PREVENT CONDENSATION OF MOISTURE THEREON.

4.2 FUSES

4.2.1 SOLID-MATERIAL POWER FUSES

(1) SOLID-MATERIAL POWER FUSES SHALL BE OF THE SOLID-MATERIAL TYPE AND SHALL UTILIZE REFILL-UNIT-AND-HOLDER OR FUSE-UNIT-AND-END-FITTING CONSTRUCTION. THE REFILL UNIT OR FUSE UNIT SHALL BE READILY REPLACEABLE.

(2) FOR SWITCHGEAR RATED UP THROUGH 270 MVA AT 4.16 KV, 600 MVA AT 13.8 KV, 860 MVA AT 25 KV, AND 1000 MVA AT 34.5 KV, MOUNTINGS FOR SOLID-MATERIAL POWER FUSES SHALL BE DISCONNECT STYLE. NON-DISCONNECT STYLE MOUNTINGS FOR POWER FUSES SHALL BE USED ONLY WHERE HIGHER RATINGS ARE REQUIRED.

(3) FUSIBLE ELEMENTS SHALL BE NONAGING AND NONDAMAGEABLE SO THAT IT IS UNNECESSARY TO REPLACE UNBLOWN COMPANION FUSES FOLLOWING A FUSE OPERATION.

(4) FUSIBLE ELEMENTS FOR REFILL UNITS OR FUSE UNITS, RATED 10 AMPERES OR LARGER, SHALL BE HELICALLY COILED TO AVOID MECHANICAL DAMAGE DUE TO STRESSES FROM CURRENT SURGES.

(5) FUSIBLE ELEMENTS THAT CARRY CONTINUOUS CURRENT SHALL BE SUPPORTED IN AIR TO HELP PREVENT DAMAGE FROM CURRENT SURGES.

(6) SOLID-MATERIAL POWER FUSES SHALL HAVE MELTING TIME-CURRENT CHARACTERISTICS THAT ARE PERMANENTLY ACCURATE WITH A MAXIMUM TOTAL TOLERANCE OF 10% IN TERMS OF CURRENT. TIME-CURRENT CHARACTERISTICS SHALL BE AVAILABLE WHICH PERMIT COORDINATION WITH PROTECTIVE RELAYS, AUTOMATIC CIRCUIT RECLOSERS, AND OTHER FUSES.

(7) SOLID-MATERIAL POWER FUSES SHALL BE CAPABLE OF DETECTING AND INTERRUPTING ALL FAULTS WHETHER LARGE, MEDIUM, OR SMALL (DOWN TO MINIMUM MELTING CURRENT). UNDER ALL REALISTIC CONDITIONS OF CIRCUITRY, WITH LINE-TO-LINE OR LINE-TO-GROUND VOLTAGE ACROSS THE POWER FUSES, AND SHALL BE CAPABLE OF HANDLING THE FULL RANGE OF TRANSIENT RECOVERY VOLTAGE SEVERITY ASSOCIATED WITH THESE FAULTS.

(8) ALL ARCING ACCOMPANYING POWER FUSE OPERATION SHALL BE CONTAINED WITHIN THE FUSE, AND ANY ARC PRODUCTS SHALL BE EXHAUSTED DURING FUSE OPERATION SHALL BE VENTED THROUGH EXHAUST CONTROL DEVICES THAT SHALL EFFECTIVELY CONTROL FUSE EXHAUST.

(9) SOLID-MATERIAL POWER FUSES SHALL BE EQUIPPED WITH A BLOWN-FUSE INDICATOR THAT SHALL PROVIDE VISIBLE EVIDENCE OF FUSE OPERATION WHILE INSTALLED IN THE FUSE MOUNTING.

(10) SOLID-MATERIAL POWER FUSES IN FEEDER BAYS SHALL BE EQUIPPED WITH GROUNDING PROVISIONS ON THE LOAD SIDE OF EACH FUSE AND ON THE ENCLOSURE GROUND BUS.

5. LABELING

5.1 WARNING SIGNS

(1) ALL EXTERNAL DOORS AND HINGED BOLTED PANELS PROVIDING ACCESS TO HIGH VOLTAGE SHALL BE PROVIDED WITH "CAUTION -- HIGH VOLTAGE -- KEEP OUT" SIGNS.

(2) ALL INTERNAL PROTECTIVE SCREENS PROVIDING ACCESS TO HIGH VOLTAGE SHALL BE PROVIDED WITH "DANGER -- HIGH VOLTAGE -- KEEP OUT __ QUALIFIED PERSONS ONLY" SIGNS.

(3) ALL INTERNAL PROTECTIVE SCREENS PROVIDING ACCESS TO INTERRUPTER SWITCHES SHALL BE PROVIDED WITH WARNING SIGNS INDICATING THAT "SWITCH BLADES MAY BE ENERGIZED IN ANY POSITION."

(4) ALL INTERNAL PROTECTIVE SCREENS PROVIDING ACCESS TO FUSES SHALL BE PROVIDED WITH WARNING SIGNS INDICATING THAT "FUSES MAY BE ENERGIZED IN ANY POSITION."

5.2 RATING NAMEPLATES

(1) THE INTEGRATED SWITCHGEAR ASSEMBLY SHALL BE PROVIDED WITH AN EXTERNAL NAMEPLATE INDICATING THE MANUFACTURER'S DRAWING NUMBER AND THE FOLLOWING: VOLTAGE RATINGS (KV, NOMINAL; KV, MAXIMUM; KV, BIL); MAIN BUS CONTINUOUS RATING (AMPERES); SHORT-CIRCUIT RATINGS (AMPERES, RMS SYMMETRICAL AND MVA THREE-PHASE SYMMETRICAL AT RATED NOMINAL VOLTAGE); AND THE MOMENTARY AND FAULT-CLOSING RATINGS (AMPERES, RMS ASYMMETRICAL). WHEN THE ASSEMBLY IS UL LISTED, THE EXTERNAL NAMEPLATE SHALL INCLUDE THE UL CLASSIFICATION MARKINGS COMPRISED OF "UL" IN A CIRCLE; THE WORD "LISTED"; THE ASSIGNED CONTROL NUMBER; AND THE PRODUCT IDENTITY.

(2) EACH INDIVIDUAL BAY SHALL BEAR A NAMEPLATE INDICATING THE RATINGS OF THE INTERRUPTER SWITCH (AMPERES, CONTINUOUS AND INTERRUPTING); THE MAXIMUM RATING OF THE FUSE IN AMPERES; AND THE CATALOG NUMBER OF THE FUSE UNITS, REFILL UNITS, INTERRUPTING MODULE, OR CONTROL MODULE. WHEN THE INDIVIDUAL BAY IS TO BE UL LISTED, THIS NAMEPLATE SHALL INCLUDE THE UL CLASSIFICATION MARKINGS COMPRISED OF "UL" IN A CIRCLE; THE WORD "LISTED"; THE ASSIGNED CONTROL NUMBER; AND THE PRODUCT IDENTITY. IN ADDITION, THE ENCLOSURE CATEGORY SHALL BE SPECIFIED.

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

ARCHITECT

di Domenico + Partners LLP

Architecture
Landscape Architecture
Planning

3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER

JMC Planning Engineering Landscape Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER

Burns ENGINEERING, P.C.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER

GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282

MANHATTAN BEER DISTRIBUTORS

20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

- 2.12 ENCLOSURES
- A. NEMA 1 ENCLOSURE

2.13 NAMEPLATES

- A. ENGRAVED NAMEPLATES, MOUNTED ON THE FACE OF THE ASSEMBLY, SHALL BE FURNISHED FOR ALL MAIN AND FEEDER CIRCUITS AS INDICATED ON THE DRAWINGS. NAMEPLATES SHALL BE LAMINATED PLASTIC, BLACK CHARACTERS ON WHITE BACKGROUND. CHARACTERS SHALL BE 3/16-INCH HIGH, MINIMUM. NAMEPLATES SHALL GIVE ITEM DESIGNATION AND CIRCUIT NUMBER AS WELL AS FRAME AMPERE SIZE AND APPROPRIATE TRIP RATING. FURNISH MASTER NAMEPLATE GIVING SWITCHBOARD DESIGNATION, VOLTAGE AMPERE RATING, SHORT-CIRCUIT RATING, MANUFACTURER'S NAME, GENERAL ORDER NUMBER, AND ITEM NUMBER.
- B. CONTROL COMPONENTS MOUNTED WITHIN THE ASSEMBLY, SUCH AS FUSE BLOCKS, RELAYS, PUSHBUTTONS, SWITCHES, ETC., SHALL BE SUITABLY MARKED FOR IDENTIFICATION CORRESPONDING TO APPROPRIATE DESIGNATIONS ON MANUFACTURER'S WIRING DIAGRAMS.

2.14 FINISH

- A. ALL EXTERIOR AND INTERIOR STEEL SURFACES OF THE SWITCHBOARD SHALL BE PROPERLY CLEANED AND PROVIDED WITH A RUST-INHIBITING PHOSPHATIZED COATING. COLOR AND FINISH OF THE SWITCHBOARD SHALL BE ANSI 61 LIGHT GRAY.

PART 3 EXECUTION

3.01 FACTORY TESTING

- A. THE FOLLOWING STANDARD FACTORY TESTS SHALL BE PERFORMED ON THE EQUIPMENT PROVIDED UNDER THIS SECTION. ALL TESTS SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF ANSI AND NEMA STANDARDS.
1. THE SWITCHBOARD SHALL BE COMPLETELY ASSEMBLED, WIRED, ADJUSTED, AND TESTED AT THE FACTORY. AFTER ASSEMBLY, THE COMPLETE SWITCHBOARD WILL BE TESTED FOR OPERATION UNDER SIMULATED SERVICE CONDITIONS TO ENSURE THE ACCURACY OF THE WIRING AND THE FUNCTIONING OF ALL EQUIPMENT. THE MAIN CIRCUITS SHALL BE GIVEN A DIELECTRIC TEST OF 2200 VOLTS FOR ONE (1) MINUTE BETWEEN LIVE PARTS AND GROUND, AND BETWEEN OPPOSITE POLARITIES. THE WIRING AND CONTROL CIRCUITS SHALL BE GIVEN A DIELECTRIC TEST OF 1500 VOLTS FOR ONE (1) MINUTE BETWEEN LIVE PARTS AND GROUND
- B. THE MANUFACTURER SHALL PROVIDE THREE (3) CERTIFIED COPIES OF FACTORY TEST REPORTS.
- C. FACTORY TO CONNECT AND SETUP ETHERNET GATEWAYS AND/OR DATA AGGREGATION PROCESSORS (SUCH AS EATON PXG900 OR POWER XPERT DASHBOARD LITE) INCLUDED IN SWITCHBOARD ASSEMBLIES. FACTORY TESTING SHOULD ALSO INCLUDE CONFIRMATION THAT THE PROCESSOR AND DISPLAY COMMUNICATE WITH EACH OTHER AND THAT EVERY DEVICE CONNECTED TO THE PROCESSOR IS COMMUNICATING WITH THE PROCESSOR. ADDRESSES FOR THE COMMUNICATING DEVICES IN THESE NETWORKS WILL BE INDICATED ON FACTORY SUPPLIED COMMUNICATION DRAWINGS.

3.02 TRAINING

- A. THE CONTRACTOR SHALL PROVIDE A TRAINING SESSION FOR UP TO FIVE (5) OWNER'S REPRESENTATIVES FOR 3 NORMAL WORKDAYS AT A JOB SITE LOCATION DETERMINED BY THE OWNER.
- B. A MANUFACTURER'S QUALIFIED REPRESENTATIVE SHALL CONDUCT THE TRAINING SESSION. THE TRAINING PROGRAM SHALL CONSIST OF INSTRUCTION ON OPERATION OF THE ASSEMBLY, CIRCUIT BREAKERS, FUSED SWITCHES, AND MAJOR COMPONENTS WITHIN THE ASSEMBLY.

3.03 INSTALLATION

- A. THE CONTRACTORS SHALL INSTALL ALL EQUIPMENT PER THE MANUFACTURER'S INSTRUCTIONS, CONTRACT DRAWINGS AND NATIONAL ELECTRICAL CODE.
- B. THE ASSEMBLY SHALL BE PROVIDED WITH ADEQUATE LIFTING MEANS AND SHALL BE CAPABLE OF BEING MOVED INTO INSTALLATION POSITION AND BOLTED DIRECTLY TO CONTRACTOR SUPPLIED FLOOR SILLS TO BE SET LEVEL IN CONCRETE PER MANUFACTURER'S RECOMMENDATIONS. ALL NECESSARY HARDWARE TO SECURE THE ASSEMBLY IN PLACE SHALL BE PROVIDED BY THE CONTRACTOR.

3.04 FIELD ADJUSTMENTS

- A. THE CONTRACTOR SHALL PERFORM FIELD ADJUSTMENTS OF THE PROTECTIVE DEVICES AS REQUIRED TO PLACE THE EQUIPMENT IN FINAL OPERATING CONDITION. THE SETTINGS SHALL BE IN ACCORDANCE WITH THE APPROVED SHORT-CIRCUIT STUDY, PROTECTIVE DEVICE EVALUATION STUDY AND PROTECTIVE DEVICE COORDINATION STUDY.
- B. NECESSARY FIELD SETTINGS OF DEVICES, ADJUSTMENTS AND MINOR MODIFICATIONS TO EQUIPMENT TO ACCOMPLISH CONFORMANCE WITH AN APPROVED SHORT CIRCUIT AND PROTECTIVE DEVICE COORDINATION STUDY SHALL BE CARRIED OUT BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

ARCHITECT

di Domenico + Partners LLP



Architecture
Landscape Architecture
Planning

3743 Crescent Street, 3rd Floor
Long Island City, New York 11101
Tel 212-337-0400
Fax 212-337-3567

CIVIL PLANNING ENGINEER



JMC Planning Engineering Landscape
Architecture & Land Surveying, PLLC
120 Bedford Road
Armonk, New York 10504
Tel 914-273-5225
Fax 914-273-2102

MEP ENGINEER



BURNS ENGINEERING, PC.
1261 Broadway, Suite 708
New York, New York 10001
Tel 212-962-3503

STRUCTURAL ENGINEER



GEI50
1385 Broadway, 20th FL
New York, New York 10018
Tel 212-687-8282



MANHATTAN BEER DISTRIBUTORS
20 DUNNIGAN DRIVE
SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021

DRAWN BY : M.DIMATTIA

CHECKED BY : B.NEMCHEK

APPROVED BY : J.MIZRAHI

DATE : 09/10/21

SCALE : N.T.S.

DRAWING TITLE :

SWITCHBOARD SPECIFICATION
SHEET 2 OF 2

DWG NUMBER :

E-906

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,
THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020
ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.