

ENLARGED LOCATION MAP



PROJECT LOCATION MAP



SHEET INDEX

AG001	COVER SHEET
AG002	SITE LOGISTICS PLAN
AG100	OVERALL FLOOR PLANS
AD100	DEMO FLOOR PLANS
AD200	EXISTING CONDITIONS
AD201	EXISTING CONDITIONS
A101	ENLARGED FLOOR PLANS
ME000	ELECTRICAL GENERAL NOTES & SYMBOLS
ME101	MECHANICAL-ELECTRICAL PLAN
ME401	ELECTRICAL ONE-LINE DIAGRAM & SCHEDULES

APPLICABLE CODE INFORMATION

THE PROJECT SHALL COMPLY WITH THE FOLLOWING CODES

2024 INTERNATIONAL BUILDING CODE AS ADOPTED BY IOWA ADMINISTRATIVE RULE CHAPTERS 481-280 AND 481-301

2010 AMERICANS WITH DISABILITIES ACT AS ADOPTED BY IOWA ADMINISTRATIVE RULE CHAPTER 481-301

STATE MECHANICAL CODE AS ADOPTED BY THE DEPARTMENT OF PUBLIC HEALTH IOWA ADMINISTRATIVE RULE CHAPTER 481-426

STATE PLUMBING CODE AS ADOPTED BY THE DEPARTMENT OF PUBLIC HEALTH IOWA ADMINISTRATIVE RULE CHAPTER 481-425

2024 INTERNATIONAL FIRE CODE AS ADOPTED BY IOWA ADMINISTRATIVE RULE CHAPTERS 481-280

STATE ELECTRICAL CODE AS ADOPTED BY THE STATE ELECTRICAL LICENSING BOARD IOWA ADMINISTRATIVE RULE CHAPTER 481-404

2024 INTERNATIONAL EXISTING BUILDING CODE AS ADOPTED BY IOWA ADMINISTRATIVE RULE CHAPTERS 481-301

2026 IOWA STATE ELEVATOR CODE

IBC Chapter 2 - Use and Occupancy Classification
Primary Occupancy:
The use and occupancy classification of the existing building are unchanged.

IBC Chapter 5 - General Building Heights and Areas
Existing building use and size to remain unchanged.

IBC Chapter 6 - Types of Construction
The type of construction for the existing building is unchanged.

IBC Chapter 7 - Fire and Smoke Protection Features
New construction is limited and existing construction is not being modified.
For construction purposes, shaft is considered to be 2 HR construction.

IBC Chapter 8 - Interior Finishes
New construction is limited and matches existing interior finishes.

IBC Chapter 10 - Means of Egress
All means of egress are being maintained in the existing building.

IBC Chapter 30 - Elevators and Conveying Systems
Fire resistance rated construction is provided at the elevator machine room.
Smoke protection at hoistway openings is not required per IBC 3006.2.

IBC Chapter 34 Existing Structures
The updates to the existing building conform to the requirements of the code for new construction and are to be made with the same materials of which the original building is constructed. The existing building is in compliance with the mandatory fire safety requirements, the mandatory means of egress requirements, and the general safety requirements of this chapter.

Iowa Administrative Code, Chapter 16, Division VII - Accessibility Requirements For Facilities Used by the General Public:
Accessibility within the building will be maintained.

Iowa Administrative Code, Chapter 72 - Conveyances Installed on or After January 1, 1975
Elevator pit sump pump currently exists, and will be maintained.

NEPA-11 Chapter 8 - Section 8.15.8
Building is NOT fully sprinklered. The existing machine room and elevator shaft are not sprinklered and intent of project would be to maintain that condition.

ARCHITECTURAL
OPN Architects, Inc.

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly Licensed Architect under the laws of the State of Iowa.

Signature: *Joe Feldmann, AIA*

Registration expires June 30, 2028 Iowa Reg No. 5219

Pages or sheets covered by this seal: all Architectural Sheets listed in 00 0115 List of Drawing Sheets.

Divisions: all Architectural Sections listed in the specifications document.

ELECTRICAL
KCL Engineering

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly Licensed Engineer under the laws of the State of Iowa.

Signature: *Erick Heynen, P.E.*

Registration expires December 31, 2027 Iowa Reg No. P24708

Pages or sheets covered by this seal: all Electrical Sheets listed in 00 0115 List of Drawing Sheets.

Divisions: all Electrical Sections listed in the specifications document.

MECHANICAL / PLUMBING
KCL Engineering

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly Licensed Engineer under the laws of the State of Iowa.

Signature: *Chad D. Bass, P.E.*

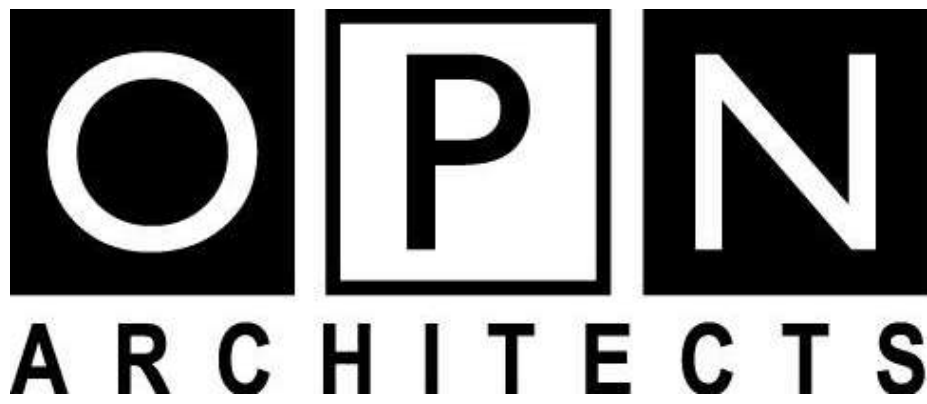
Registration expires December 31, 2027 Iowa Reg No. 21397

Pages or sheets covered by this seal: all Mechanical & Plumbing Sheets listed in 00 0115 List of Drawing Sheets.

Divisions: all Mechanical & Plumbing Sections listed in the specifications document.

STATE OF IOWA - 9504.00 - WRC FOOD SERVICE ELEVATOR REPLACEMENT

1251 334TH STREET, WOODWARD, IA 50276



100 Court Ave, Suite 100, Des Moines, IA 50309
P: 515-309-0722 F: 515-309-0725 www.opnarchitects.com

ARCHITECT

OPN ARCHITECTS
100 COURT AVENUE
DES MOINES, IA 50309

CONSTRUCTION MANAGER

STORY CONSTRUCTION
2830 WAREFIELD CIRCLE
AMES, IA 50010

MECHANICAL ENGINEER

KCL ENGINEERING
300 4th STREET
WEST DES MOINES, IA 50317

ELECTRICAL ENGINEER

KCL ENGINEERING
300 4th STREET
WEST DES MOINES, IA 50317

ELEVATOR CONSULTANT

LERCH BATES
7625 GOLDEN TRIANGLE DRIVE, SUITE T
EDEN PRAIRIE, MN 55344

U
—
T
—
S
—
R
—
Q
—
P
—
N
—
M
—
L
—
K
—
J
—
H
—
G
—
F
—
E
—
D
—
C
—
B
—
A



COORDINATE CONNEX STAGING IN THIS
AREA WITH CONSTRUCTION MANAGER

CONTRACTOR PARKING (LIMITED TO 4 VEHICLES)

DUMPSTER STAGING

FACILITY MAIN ENTRY

PROJECT ELEVATOR



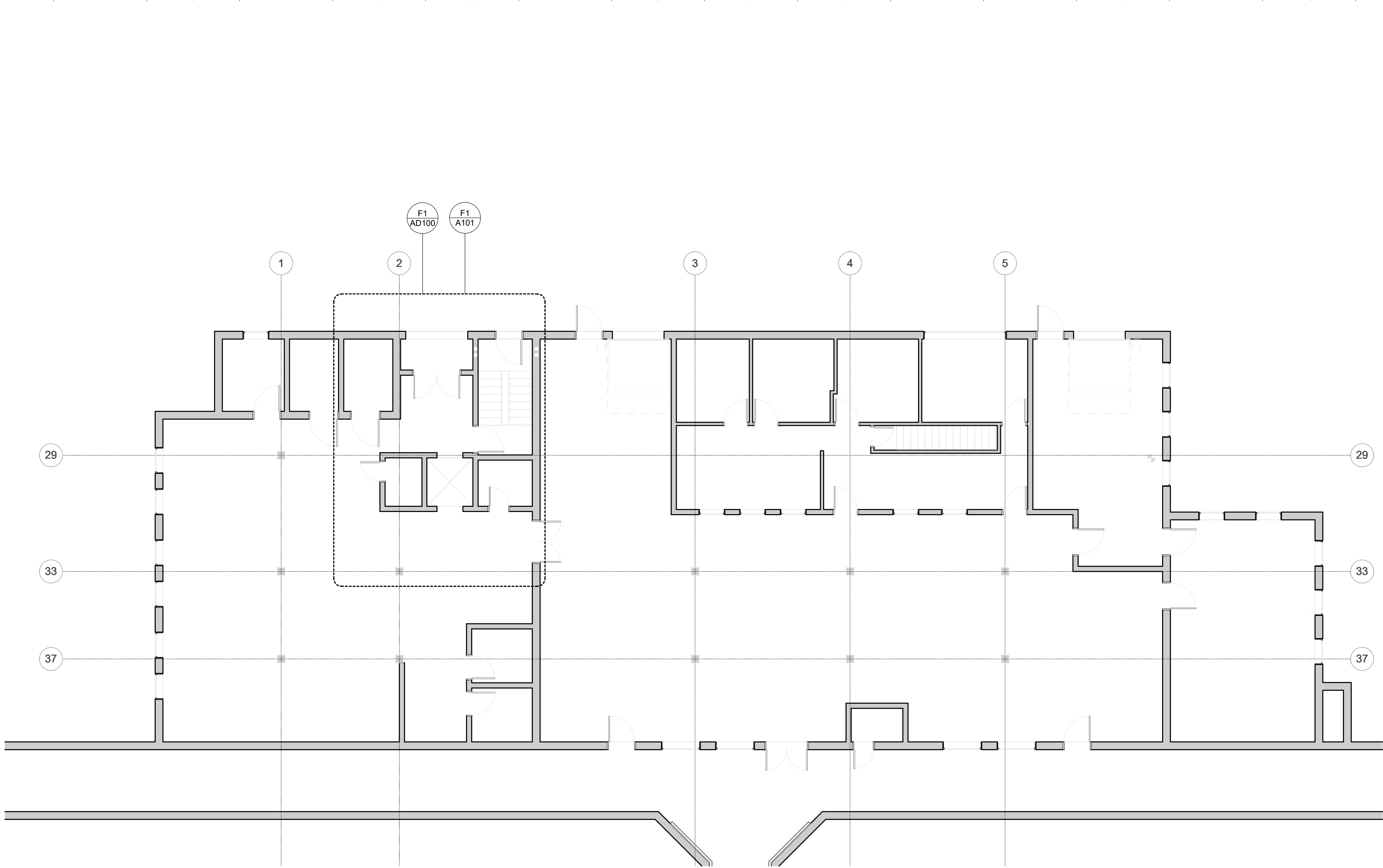
THE LOADING DOCK CAN BE USED FOR
PROJECT DELIVERY USE AS NEEDED DURING
CONSTRUCTION. USE MUST BE COORDINATED
WITH THE FACILITY AND ACCESS FOR FACILITY
PROVIDED AT ALL TIMES.

FACILITY MAIN ENTRY.

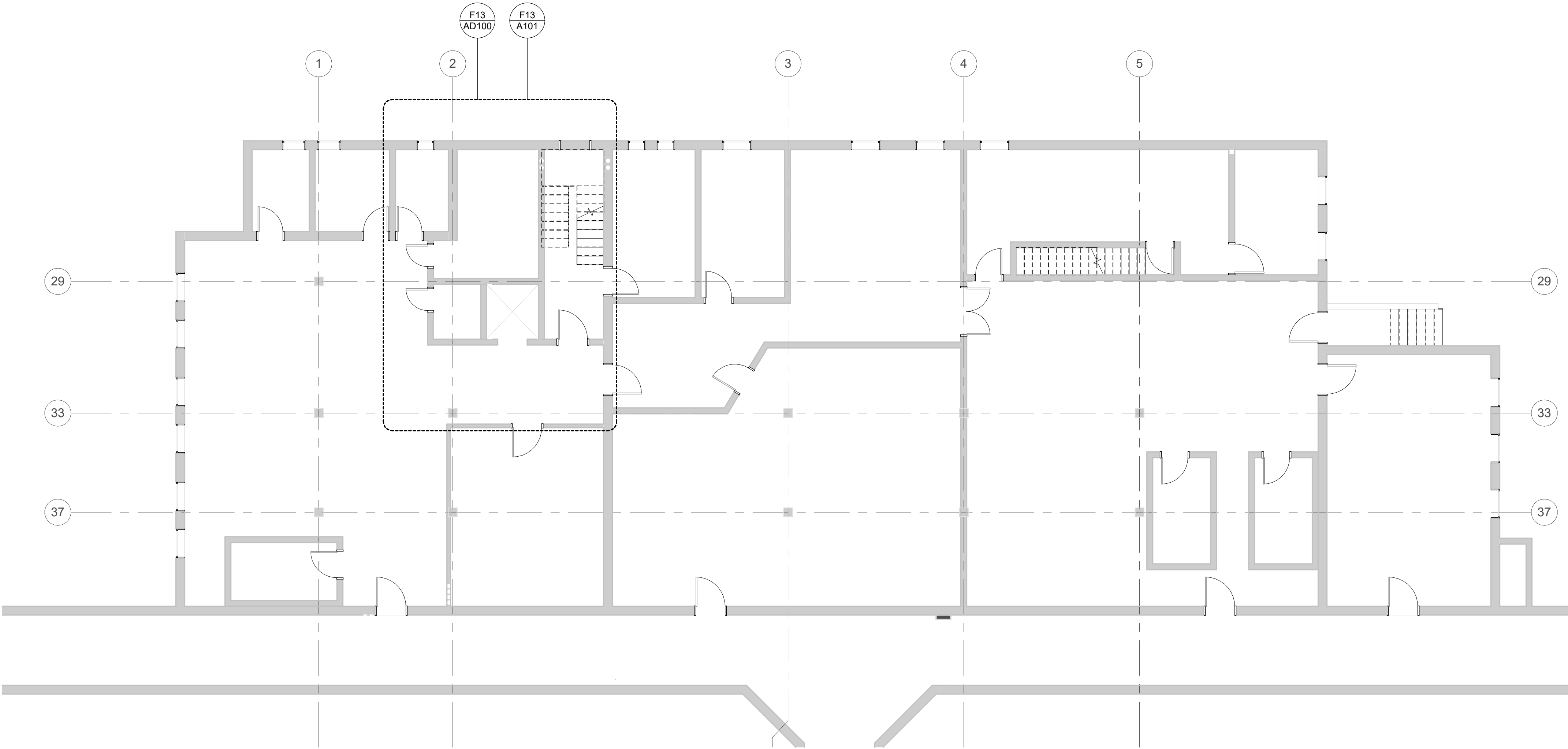
COORDINATE EXHAUST AT EXISTING WINDOW,
THIS SIDE.

MAINTAIN ACCESS AND DRIVE FOR USE BY
FACILITY AT ALL TIMES. COORDINATE ANY
DELIVERIES THROUGH CONSTRUCTION
MANAGER.

S1 LOADING DOCK / PROJECT ENTRY



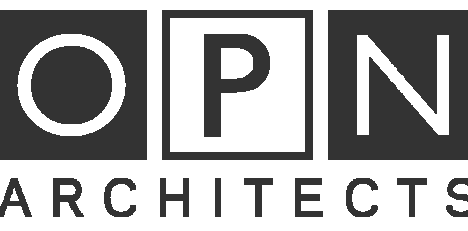
FIRST FLOOR PLAN - OVERALL
1/8" = 1'-0"



OVERALL FLOOR PLAN - BASEMENT
1/8" = 1'-0"

GENERAL NOTES

- DIMENSIONS ARE MEASURED FACE-OF-FINISH TO FACE-OF-FINISH OR ROUGH MASONRY OPENING UNLESS NOTED OTHERWISE - TYPICAL FOR ALL DRAWINGS.
- FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS - TYPICAL FOR ALL DRAWINGS.
- IN THE EVENT OF A DISCREPANCY BETWEEN ARCHITECTURAL AND CONSULTANT DRAWINGS, NOTIFY ARCHITECT IMMEDIATELY PRIOR TO COMMENCING WORK - TYPICAL FOR ALL DRAWINGS.
- ALL PENETRATIONS IN FIRE RATED FLOORS AND WALLS MUST BE SEALED WITH APPROPRIATE FIRESTOPPING SYSTEM.
- PATCH AND REPAIR EXISTING FLOOR SLABS AND WALL SURFACES DAMAGED FROM DEMOLITION.



100 Court Ave., Suite 100
Des Moines, IA 50309
P: 515-309-0722
www.opnarchitects.com

All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by OPN Architects, Inc. are instruments of service and shall remain the property of OPN Architects, Inc. OPN Architects, Inc. shall retain all common law, statutory and other reserved rights, including the copyright thereto.

© 2025 OPN Architects, Inc.

Owner

STATE OF IOWA - 9504.00
109 SE 13TH STREET
DES MOINES, IA 50319

Project

**WRC FOOD SERVICE ELEVATOR
REPLACEMENT**
1251 334TH STREET
WOODWARD, IA 50276

CONSTRUCTION MANAGER

STORY CONSTRUCTION
2810 WAKEFIELD CIRCLE
AMES, IA 50010

ELEVATOR CONSULTANT

LERCH BATES
7625 GOLDEN TRIANGLE DRIVE,
SUITE T
EDEN PRAIRIE, MN 55344

Mechanical Engineer

KCL ENGINEERING
300 4TH STREET
WEST DES MOINES, IA 50317

Electrical Engineer

KCL ENGINEERING
300 4TH STREET
WEST DES MOINES, IA 50317

Key Plan:

Revision	Description	Date
----------	-------------	------

OPN Project No.

25832000

Sheet Issue Date

BID SET

06/16/2026

Sheet Name

OVERALL FLOOR PLANS

Sheet Number

AG100

U
—
T
—
S
—
R
—
Q
—
P
—
N
—
M
—
L
—
K
—
J
—
H
—
G
—
F
—
E
—
D
—
C
—
B
—
A



1 IMAGE 1

EXISTING CEILING CAN REMAIN - REPAINT. PROVIDE NEW RECESS LIGHTING - SEE ELEVATOR SPEC.

PROVIDE ALL NEW CONTROLS AND CODE COMPLIANT SIGNAGE. SEE ELEVATOR SPEC AND DRAWINGS FOR SPECIFIC REQUIREMENTS.

REMOVE AND REPLACE EXISTING ELEVATOR FINISHES - SEE ELEVATOR SPEC AND DRAWINGS FOR SPECIFIC REQUIREMENTS.

REMOVE AND PROVIDE NEW ELEVATOR DOORS - SEE ELEVATOR SPEC.



2 IMAGE 2

EXISTING CEILING CAN REMAIN - REPAINT. PROVIDE NEW RECESS LIGHTING - SEE ELEVATOR SPEC.

REMOVE AND PROVIDE NEW ELEVATOR DOORS - SEE ELEVATOR SPEC.

REMOVE AND REPLACE EXISTING ELEVATOR FINISHES - SEE ELEVATOR SPEC AND DRAWINGS FOR SPECIFIC REQUIREMENTS.



3 IMAGE 3

REMOVE AND REPLACE EXISTING ELEVATOR FINISHES - SEE ELEVATOR SPEC AND DRAWINGS FOR SPECIFIC REQUIREMENTS.

REMOVE AND PROVIDE NEW ELEVATOR DOORS - SEE ELEVATOR SPEC.

EXISTING PAINTED FRAMES TO REMAIN - PROTECT IN PLACE. CLEAN, PATCH / FILL ANY DAMAGE TO FRAME AND REPAINT.

EXISTING SILL TO REMAIN. CLEAN AND POLISH - SEE ELEVATOR SPEC.



4 IMAGE 4

SEE ELEVATOR SPEC FOR SPECIFIC REQUIREMENTS ON PLATFORM AND CAB REQUIREMENTS.

NEW SHAFT LIGHTING REQUIRED - SEE ELECTRICAL.

EXISTING SHAFT AND RAILS TO REMAIN - SEE ELEVATOR SPEC FOR ELEVATOR REQUIREMENTS.

EXISTING JACK TO REMAIN - SEE ELEVATOR SPEC FOR REQUIREMENTS.



5 IMAGE 5

NEW PIT AND SHAFT LIGHTING REQUIRED - SEE ELECTRICAL.

EXISTING SUMP AND DISCHARGE TO REMAIN. PROVIDE NEW SUMP PUMP ON DEDICATED CIRCUIT WITH WATER AND OIL DETECTION - SEE MECHANICAL / ELECTRICAL.

EXISTING JACK TO REMAIN - SEE ELEVATOR SPEC FOR REQUIREMENTS.

PIT FLOOR TO BE CLEANED AND PREPPED FOR NEW PAINT FINISH - SEE ELEVATOR SPEC.

REMOVE AND REPLACE EXISTING ELEVATOR MACHINERY - SEE ELEVATOR SPEC FOR SPECIFIC REQUIREMENTS.

EXISTING SHAFT AND RAILS TO REMAIN - SEE ELEVATOR SPEC FOR ELEVATOR REQUIREMENTS.

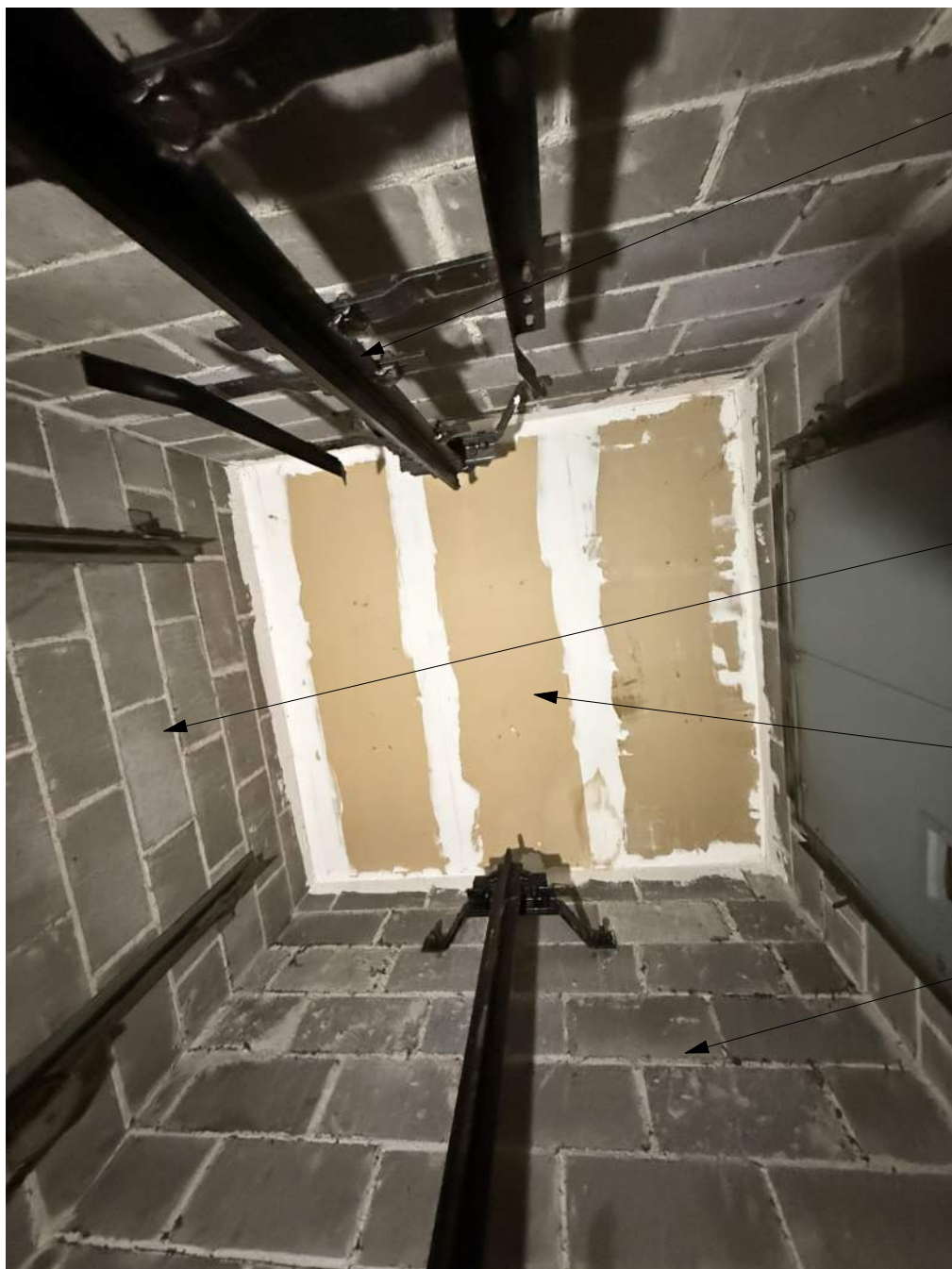
EXISTING PIT LADDER CAN REMAIN - ELEVATOR PROVIDER TO CONFIRM COMPLIANCE WITH ALL ELEVATOR CODES.



6 IMAGE 6

EXISTING SHAFT AND RAILS TO REMAIN - SEE ELEVATOR SPEC FOR ELEVATOR REQUIREMENTS.

REMOVE AND PROVIDE NEW ELEVATOR DOORS - SEE ELEVATOR SPEC.



7 IMAGE 7

EXISTING SHAFT AND RAILS TO REMAIN - SEE ELEVATOR SPEC FOR ELEVATOR REQUIREMENTS.

NEW SHAFT LIGHTING REQUIRED - SEE ELECTRICAL.

DETECTION REQUIRED AT TOP OF SHAFT - SEE ELECTRICAL.

CLEAN ALL SURFACES WITHIN SHAFT - SEE ELEVATOR SPEC.



8 IMAGE 8

REMOVE AND REPLACE EXISTING DISCONNECT COMPLETE - SEE ELECTRICAL.

EXISTING WALLS TO BE CLEANED OF DEBRIS. PATCH ANY HOLES CREATED BY THIS PROJECT. REMAINDER TO REMAIN AS IS - NO PAINT.

REMOVE UNUSED EQUIPMENT AND NON-ELEVATOR RELATED EQUIPMENT - SEE ELECTRICAL.



9 IMAGE 9

EXISTING CEILING STRUCTURE TO REMAIN - REMOVE ACCESS PANEL AND DRYWALL COMPLETE. PROVIDE ADDITIONAL FRAMING AS REQUIRED AT REMOVED ACCESS PANEL AND PROVIDE NEW DRYWALL AT ENTIRE CEILING. TAPE / MUD JOINTS ONLY.

REPLACE ALL CAULKING AT CEILING AFTER ALL NEW WORK HAS BEEN COMPLETED.

EXISTING SHEET METAL ENCLOSURE TO BE REMOVED AND REPLACED. REMOVE TO PROVIDE ACCESS TO MODIFICATIONS CALLED OUT ELSEWHERE IN THESE PLANS AND REPLACE TO MATCH EXISTING CONFIGURATION TO MAINTAIN PROPER SEPARATION FROM ELEVATOR MACHINE ROOM.

REMOVE AND REPLACE EXISTING ELEVATOR MACHINERY - SEE ELEVATOR SPEC FOR SPECIFIC REQUIREMENTS.

CLEAN FLOOR AND REPAINT - SEE ELEVATOR SPECIFICATIONS.

EXISTING DOOR AND FRAME TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION. EXISTING ROOM AND SHAFT ARE NOT FIRE RATED PER REVIEW OF EXISTING CONDITIONS. AREA ONLY CONNECTS 2 LEVELS AND NO FIRE RATING PRESENT.



10 IMAGE 10

EXISTING CEILING STRUCTURE TO REMAIN - REMOVE ACCESS PANEL AND DRYWALL COMPLETE. PROVIDE ADDITIONAL FRAMING AS REQUIRED AT REMOVED ACCESS PANEL AND PROVIDE NEW DRYWALL AT ENTIRE CEILING. TAPE / MUD JOINTS ONLY.

REPLACE ALL CAULKING AT CEILING AFTER ALL NEW WORK HAS BEEN COMPLETED.

EXISTING SHEET METAL ENCLOSURE TO BE REMOVED AND REPLACED. REMOVE TO PROVIDE ACCESS TO MODIFICATIONS CALLED OUT ELSEWHERE IN THESE PLANS AND REPLACE TO MATCH EXISTING CONFIGURATION TO MAINTAIN PROPER SEPARATION FROM ELEVATOR MACHINE ROOM.

REMOVE AND REPLACE EXISTING ELEVATOR MACHINERY COMPLETE - SEE ELEVATOR SPEC FOR SPECIFIC REQUIREMENTS.

REMOVE FIRE EXTINGUISHER DURING CONSTRUCTION AND RE-INSTALL AT END OF PROJECT. RELOCATE AS REQUIRED TO COORDINATE WITH NEW ELEVATOR EQUIPMENT.

EXISTING DOOR AND FRAME TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.



11 IMAGE 11

REMOVE AND REPLACE LIGHTING - SEE ELECTRICAL. PATCH ALL HOLES AS REQUIRED.

EXISTING WALLS TO BE CLEANED OF DEBRIS. PATCH ANY HOLES CREATED BY THIS PROJECT. REMAINDER TO REMAIN AS IS - NO PAINT.

EXISTING SHEET METAL ENCLOSURE TO BE REMOVED AND REPLACED. REMOVE TO PROVIDE ACCESS TO MODIFICATIONS CALLED OUT ELSEWHERE IN THESE PLANS AND REPLACE TO MATCH EXISTING CONFIGURATION TO MAINTAIN PROPER SEPARATION FROM ELEVATOR MACHINE ROOM.

REMOVE AND REPLACE EXISTING ELEVATOR MACHINERY - SEE ELEVATOR SPEC FOR SPECIFIC REQUIREMENTS.

CLEAN FLOOR AND REPAINT - SEE ELEVATOR SPECIFICATIONS.

EXISTING DOOR AND FRAME TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.



12 IMAGE 12

EXISTING WALLS TO BE CLEANED OF DEBRIS. PATCH ANY HOLES CREATED BY THIS PROJECT. REMAINDER TO REMAIN AS IS - NO PAINT.

EXISTING SHEET METAL ENCLOSURE TO BE REMOVED AND REPLACED. REMOVE TO PROVIDE ACCESS TO MODIFICATIONS CALLED OUT ELSEWHERE IN THESE PLANS AND REPLACE TO MATCH EXISTING CONFIGURATION TO MAINTAIN PROPER SEPARATION FROM ELEVATOR MACHINE ROOM.

CLEAN FLOOR AND REPAINT - SEE ELEVATOR SPECIFICATIONS.

OPN
ARCHITECTS

100 Court Ave., Suite 100
Des Moines, IA 50309
P: 515-309-0722
www.opnarchitects.com

All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by OPN Architects, Inc. as instruments of service shall remain the property of OPN Architects, Inc. OPN Architects, Inc. shall retain all common law, statutory and other reserved rights, including the copyright thereto.

© 2025 OPN Architects, Inc.

Owner
STATE OF IOWA - 9504.00
109 SE 13TH STREET
DES MOINES, IA 50319

Project
WRC FOOD SERVICE ELEVATOR REPLACEMENT
1251 334TH STREET
WOODWARD, IA 50276

CONSTRUCTION MANAGER
STORY CONSTRUCTION
2810 WAKEFIELD CIRCLE
AMES, IA 50010

ELEVATOR CONSULTANT
LERCH BATES
7625 GOLDEN TRIANGLE DRIVE,
SUITE T
EDEN PRAIRIE, MN 55344

Mechanical Engineer
KOL ENGINEERING
300 4TH STREET
WEST DES MOINES, IA 50317

Electrical Engineer
KOL ENGINEERING
300 4TH STREET
WEST DES MOINES, IA 50317

Revision	Description	Date
----------	-------------	------

OPN Project No.
25832000

Sheet Issue Date
BID SET

Sheet Name
EXISTING CONDITIONS

Sheet Number
AD200

06/16/2026



EXISTING DOOR AND FRAME TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION. EXISTING ROOM AND SHAFT ARE NOT FIRE RATED PER REVIEW OF EXISTING CONDITIONS. AREA ONLY CONNECTS 2 LEVELS AND NO FIRE RATED PRESENT.

PROVIDE CODE REQUIRED SIGNAGE AT ELEVATOR MACHINE ROOM.

13 IMAGE 13



PROVIDE NEW PREFINISHED ELEVATOR DOORS AND OPENERS - SEE ELEVATOR SPEC. FINISH TO MATCH EXISTING.

EXISTING PAINTED FRAMES TO REMAIN - PROTECT IN PLACE. CLEAN, PATCH / FILL ANY DAMAGE TO FRAME AND REPAINT.

IF ANY ELEVATOR FIXTURES ARE NOT TO BE REUSED, THEN CAULK AND PROVIDE BLANK PLATE COVER.

PROVIDE NEW FIXTURES - SURFACE MOUNTED FIXTURES ARE ACCEPTABLE. FIXTURES SHOULD COMPLETELY COVER EXISTING OPENINGS AND MAINTAIN THE EXISTING FINISHES. INCORPORATE ALL CODE REQUIRED SIGNAGE INTO ELEVATOR FIXTURE.

PROTECT ALL EXISTING HALLWAY FINISHES DURING CONSTRUCTION.

14 IMAGE 14



PROVIDE NEW PREFINISHED ELEVATOR DOORS AND OPENERS - SEE ELEVATOR SPEC. FINISH TO MATCH EXISTING.

EXISTING PAINTED FRAMES TO REMAIN - PROTECT IN PLACE. CLEAN, PATCH / FILL ANY DAMAGE TO FRAME AND REPAINT.

PROVIDE NEW FIXTURES - SURFACE MOUNTED FIXTURES ARE ACCEPTABLE. FIXTURES SHOULD COMPLETELY COVER EXISTING OPENINGS AND MAINTAIN THE EXISTING FINISHES. INCORPORATE ALL CODE REQUIRED SIGNAGE INTO ELEVATOR FIXTURE.

PROTECT ALL EXISTING HALLWAY FINISHES DURING CONSTRUCTION.

15 IMAGE 15



PROVIDE NEW PREFINISHED ELEVATOR DOORS AND OPENERS - SEE ELEVATOR SPEC. FINISH TO MATCH EXISTING.

EXISTING PAINTED FRAMES TO REMAIN - PROTECT IN PLACE. CLEAN, PATCH / FILL ANY DAMAGE TO FRAME AND REPAINT.

PROVIDE NEW FIXTURES - SURFACE MOUNTED FIXTURES ARE ACCEPTABLE. FIXTURES SHOULD COMPLETELY COVER EXISTING OPENINGS AND MAINTAIN THE EXISTING FINISHES. INCORPORATE ALL CODE REQUIRED SIGNAGE INTO ELEVATOR FIXTURE.

PROTECT ALL EXISTING HALLWAY FINISHES DURING CONSTRUCTION.

16 IMAGE 16



PROVIDE NEW PREFINISHED ELEVATOR DOORS AND OPENERS - SEE ELEVATOR SPEC. FINISH TO MATCH EXISTING.

EXISTING PAINTED FRAMES TO REMAIN - PROTECT IN PLACE. CLEAN, PATCH / FILL ANY DAMAGE TO FRAME AND REPAINT.

IF ANY ELEVATOR FIXTURES ARE NOT TO BE REUSED, THEN CAULK AND PROVIDE BLANK PLATE COVER.

PROVIDE NEW FIXTURES - SURFACE MOUNTED FIXTURES ARE ACCEPTABLE. FIXTURES SHOULD COMPLETELY COVER EXISTING OPENINGS AND MAINTAIN THE EXISTING FINISHES. INCORPORATE ALL CODE REQUIRED SIGNAGE INTO ELEVATOR FIXTURE.

PROTECT ALL EXISTING HALLWAY FINISHES DURING CONSTRUCTION.

17 IMAGE 17



PATCH ABANDONED HOLE TO MACHINE ROOM AND PAINT TO MATCH ADJACENT SURFACES.

COORDINATE ROUTING OF ANY NON-ELEVATOR WIRING TO AVOID PASSAGE WITHIN ELEVATOR MACHINE ROOM - SEE ELECTRICAL.

18 IMAGE 18



CAULK AND SEAL ABANDONED CONDUITS AT FLOOR ABOVE ELEVATOR MACHINE ROOM TO PREVENT WATER INTRUSION TO ROOM BELOW.

19 IMAGE 19



EXISTING BELL SYSTEM TO REMAIN. PROTECT IN PLACE.

EXISTING PAINTED FRAMES TO REMAIN - PROTECT IN PLACE. CLEAN, PATCH / FILL ANY DAMAGE TO FRAME AND REPAINT.

EXISTING OWNER SIGNAGE TO REMAIN.

PROVIDE NEW FIXTURES - SURFACE MOUNTED FIXTURES ARE ACCEPTABLE. FIXTURES SHOULD COMPLETELY COVER EXISTING OPENINGS AND MAINTAIN THE EXISTING FINISHES. INCORPORATE ALL CODE REQUIRED SIGNAGE INTO ELEVATOR FIXTURE.

PROTECT ALL EXISTING HALLWAY FINISHES DURING CONSTRUCTION.

20 IMAGE 20



PATCH ABANDONED HOLE TO MACHINE ROOM AND PAINT TO MATCH ADJACENT SURFACES.

REMOVE ALL MISC. LOOSE ITEMS AT CEILING SPACE.

21 IMAGE 21



PIPING TO BE REMEDIATED BY OWNER - NO WORK. CONFIRM IF PIPING IS REQUIRED.

EXISTING PIPING / DUCTWORK TO REMAIN. SHOWN FOR COORDINATION OF EQUIPMENT IN ROOM BELOW.

EXISTING CEILING STRUCTURE TO REMAIN - REMOVE ACCESS PANEL AND DRYWALL COMPLETE. PROVIDE ADDITIONAL FRAMING AS REQUIRED AT REMOVED ACCESS PANEL AND PROVIDE NEW DRYWALL AT ENTIRE CEILING. TAPE / MUD JOINTS ONLY.

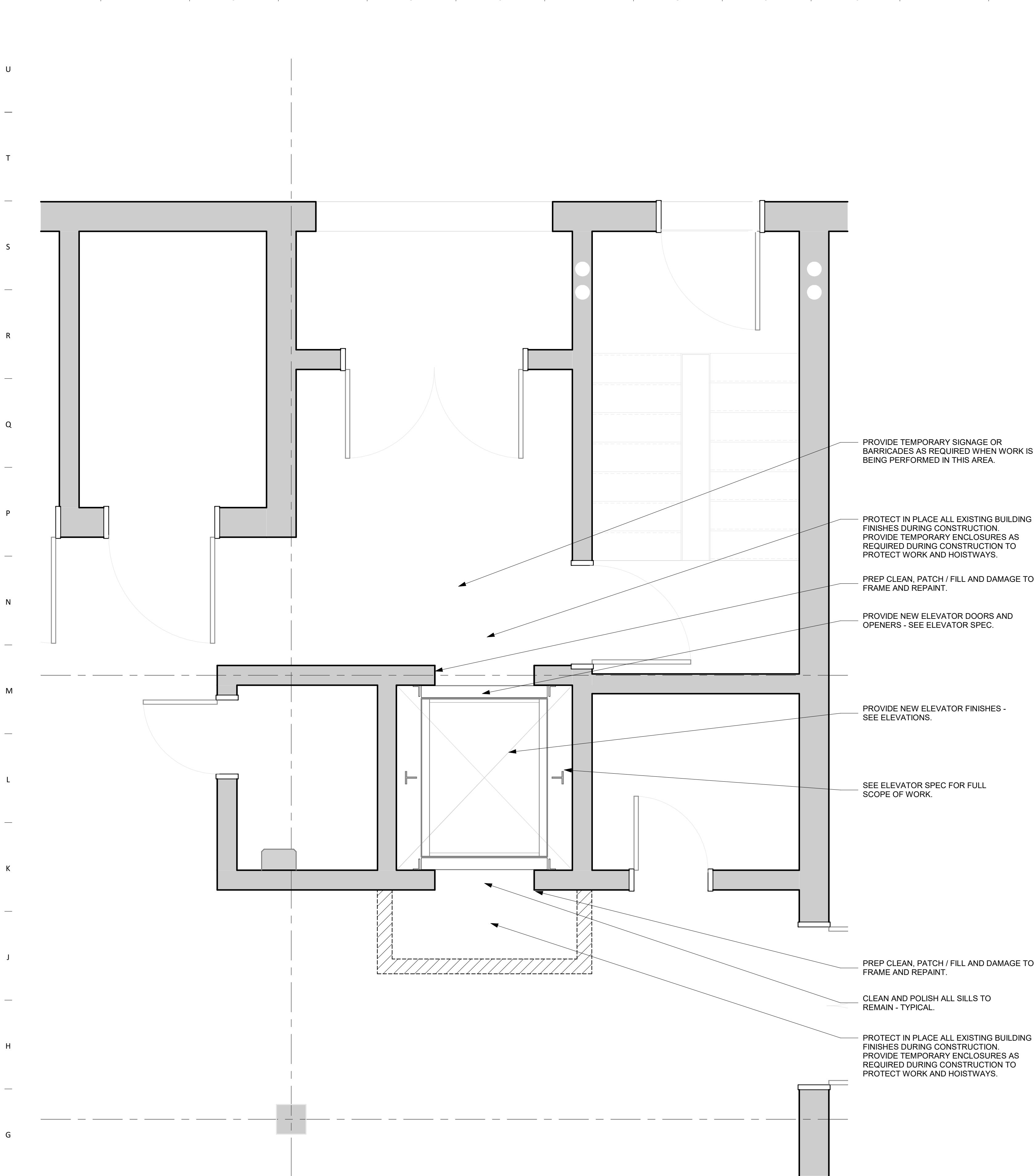
22 IMAGE 22



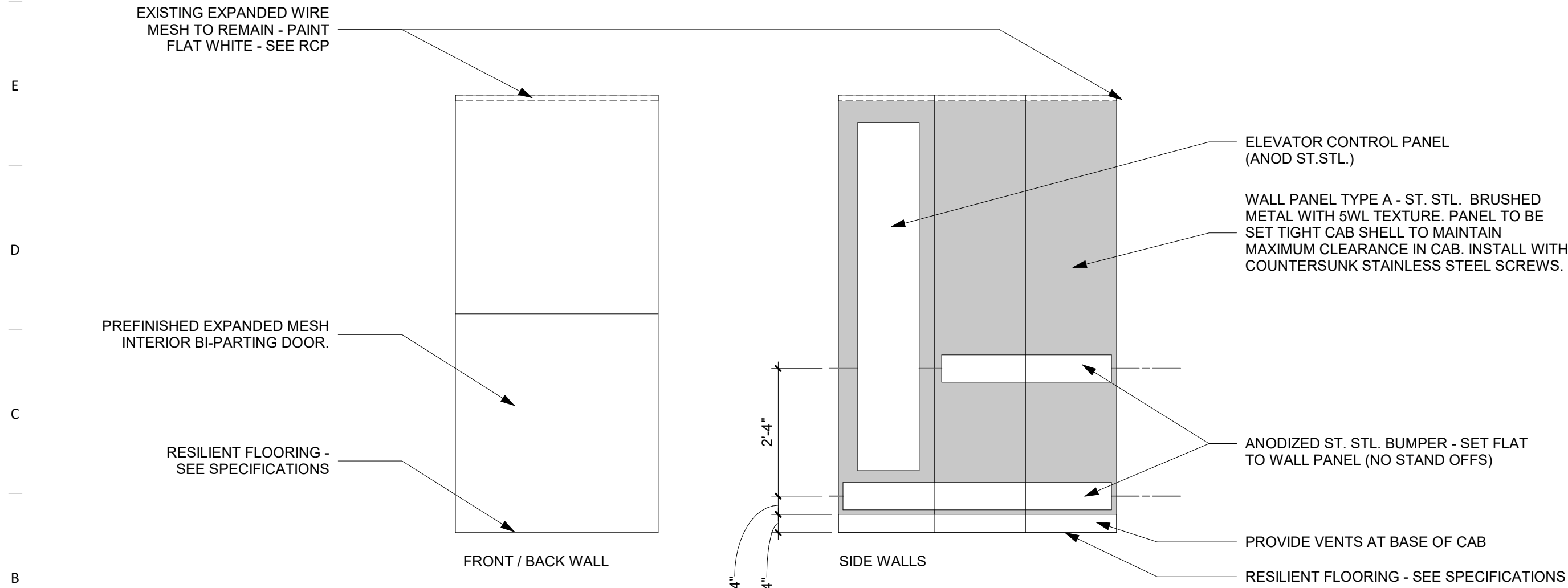
PIPING TO BE REMEDIATED BY OWNER - NO WORK. CONFIRM IF PIPING IS REQUIRED.

EXISTING PIPING TO REMAIN. SHOWN FOR COORDINATION OF EQUIPMENT IN ROOM BELOW.

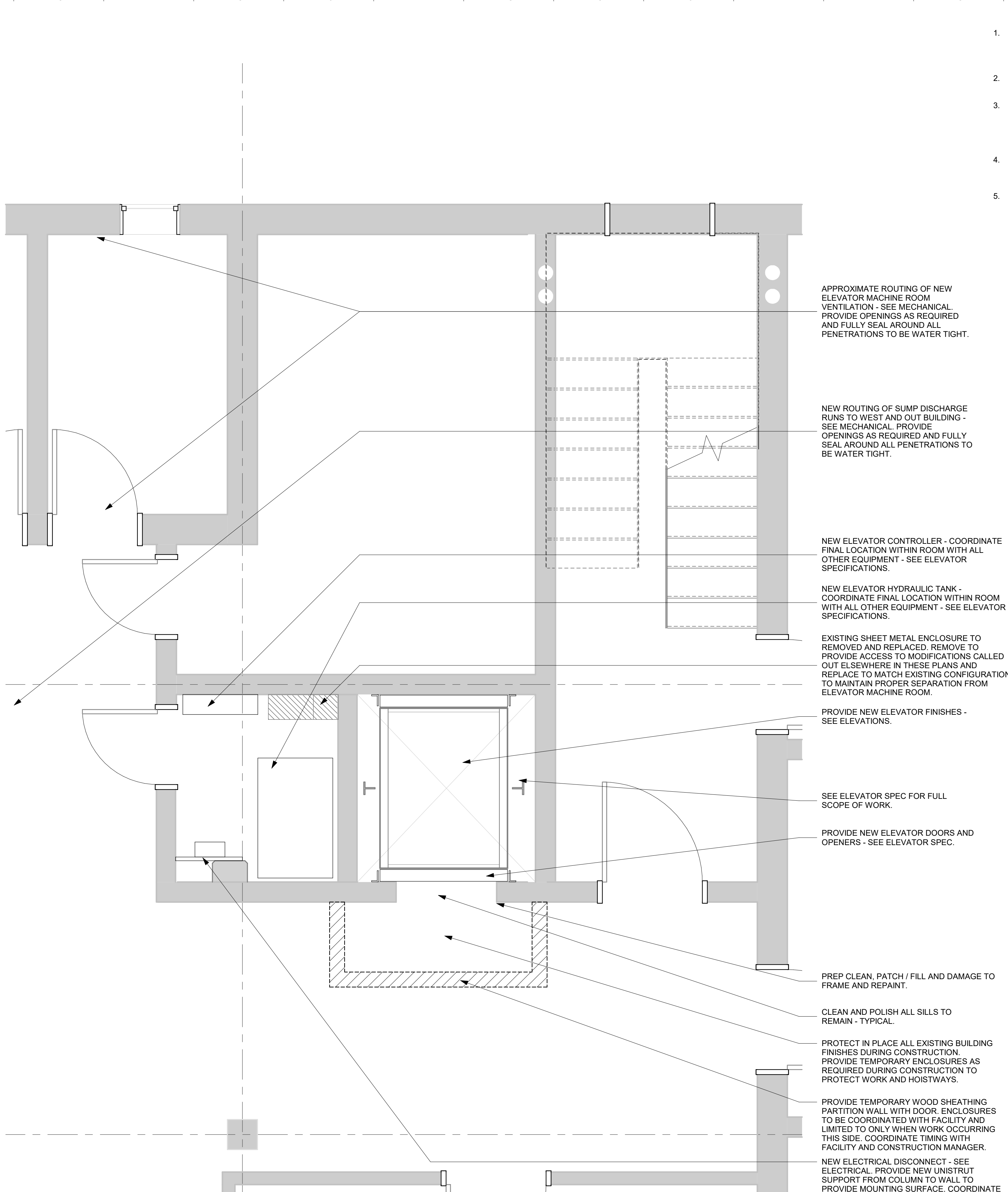
23 IMAGE 23



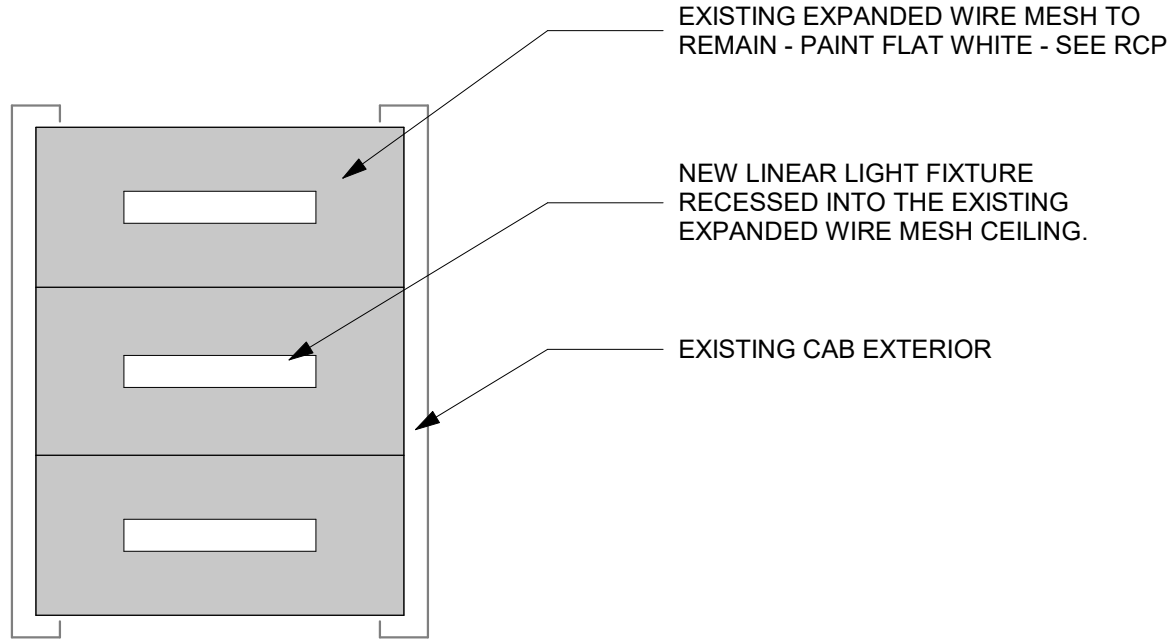
F1 ENLARGED FLOOR PLAN - FIRST FLOOR
1/2" = 1'-0"



A1 ELEVATOR ELEVATIONS
1/2" = 1'-0"



F13 ENLARGED FLOOR PLAN - BASEMENT
1/2" = 1'-0"



A13 ELEVATOR REFLECTED CEILING
1/2" = 1'-0"

GENERAL NOTES

- DIMENSIONS ARE MEASURED FACE-OF-FINISH TO FACE-OF-FINISH OR ROUGH MASONRY OPENING UNLESS NOTED OTHERWISE - TYPICAL FOR ALL DRAWINGS.
- FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS - TYPICAL FOR ALL DRAWINGS.
- IN THE EVENT OF A DISCREPANCY BETWEEN ARCHITECTURAL AND CONSULTANT DRAWINGS, NOTIFY ARCHITECT IMMEDIATELY PRIOR TO COMMENCING WORK - TYPICAL FOR ALL DRAWINGS.
- ALL PENETRATIONS IN FIRE RATED FLOORS AND WALLS MUST BE SEALED WITH APPROPRIATE FIRESTOPPING SYSTEM.
- PATCH AND REPAIR EXISTING FLOOR SLABS AND WALL SURFACES DAMAGED FROM DEMOLITION.

Owner

STATE OF IOWA - 9504.00
109 SE 13TH STREET
DES MOINES, IA 50319

Project

WRC FOOD SERVICE ELEVATOR
REPLACEMENT
1251 334TH STREET
WOODWARD, IA 50276

CONSTRUCTION MANAGER

STORY CONSTRUCTION
2810 WAKEFIELD CIRCLE
AMES, IA 50010

ELEVATOR CONSULTANT

LERCH BATES
7625 GOLDEN TRIANGLE DRIVE,
SUITE T
EDEN PRAIRIE, MN 55344

Mechanical Engineer

KCL ENGINEERING
300 4TH STREET
WEST DES MOINES, IA 50317

Electrical Engineer

KCL ENGINEERING
300 4TH STREET
WEST DES MOINES, IA 50317

Key Plan

Revision	Description	Date
----------	-------------	------

OPN Project No.

25832000

Sheet Issue Date

BID SET

06/16/2026

Sheet Name

ENLARGED FLOOR PLANS

Sheet Number

MECHANICAL - GENERAL NOTES

1. COORDINATE MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. BEGIN INSTALLATION AND ROUGH-IN AFTER COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION IS COMPLETE. COORDINATE BUILDING STRUCTURE, ARCHITECTURAL ASSEMBLIES, SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR REWORK ASSOCIATION WITH FAILURE TO COORDINATE.
2. INCORPORATE MECHANICAL SPECIFICATIONS, DRAWINGS, STATE CODES, AND OWNER STANDARDS INTO WORK.
3. EACH TRADE IS RESPONSIBLE FOR MAKING PENETRATIONS WHERE REQUIRED IN EXISTING WALLS, FLOORS, CEILINGS, AND ROOFS. MAKE PENETRATIONS NEAT. PATCH, CONCEAL, OR CAULK OVERCUT.
4. COVER EXPOSED WALL PENETRATIONS WITH ESCUTCHEONS OR SHEET METAL AS APPROPRIATE.
5. CAULK ALL CONCEALED AND EXPOSED PIPING AND DUCT WALL PENETRATIONS TO PREVENT NOISE TRANSFER BETWEEN SPACES.
6. ON COMPLETION OF THE INSTALLATION, COOPERATE WITH THE OWNER TO PROVIDE TESTING, ADJUSTING, AND BALANCING TO OBTAIN PROPER OPERATION OF ALL EQUIPMENT AND SYSTEMS. PROVIDE ALL FACILITIES AND EQUIPMENT AND COMPLETE ALL TESTS REQUIRED FOR ADJUSTMENTS AND BALANCING TO ESTABLISH THE PROPER PERFORMANCE OF EQUIPMENT.

MECHANICAL – DEMOLITION NOTES

1. MECHANICAL DEMOLITION DRAWINGS SHOWING EXISTING CONDITIONS HAVE BEEN PREPARED BASED ON NON-DESTRUCTIVE FIELD OBSERVATION AND AS-BUILT DRAWINGS PROVIDED BY THE OWNER. FIELD VERIFY EXISTING SYSTEMS BEFORE BEGINNING WORK. NOTIFY ARCHITECT/ENGINEER IF EXISTING CONDITIONS ARE MATERIALLY DIFFERENT THAN THOSE SHOWN ON THE PLANS.
2. BE FAMILIAR WITH EXISTING MECHANICAL SYSTEMS THAT WILL BE AFFECTED BY THE DEMOLITION WORK. OBTAIN PERMISSION FROM THE OWNER'S REPRESENTATIVE TO SHUT OFF SERVICES OR SYSTEMS THAT AFFECT AREAS BEYOND THE LIMITS OF THE IMMEDIATE DEMOLITION AREA. INFORM THE OWNER'S REPRESENTATIVE OF THE REASON FOR AND DURATION OF THE SHUTDOWN. MINIMIZE IMPACT TO OTHER AREAS. PROCEED WITH THE SHUT-DOWN AFTER PERMISSION FROM THE OWNER IS GRANTED.
3. REMOVE PIPING, HANGERS, DUCTWORK, GRILLES, REGISTERS, DIFFUSERS, ETC. THAT ARE INDICATED TO BE REMOVED IN A TIMELY MANNER IN ACCORDANCE WITH THE GENERAL DEMOLITION SPECIFICATIONS. COORDINATE WITH THE OWNER AND OTHER CONTRACTORS.

MECHANICAL SCOPE: INSTALL LOCAL ALARM IN KITCHEN WHEN ELEVATOR EQUIPMENT ROOM IS ABOVE 90 DEGREES. INSTALL THERMOSTAT AS SHOWN ON PLANS TIED INTO LOCAL ALARM SYSTEM.

GENERAL NOTES - ELECTRICAL

1. COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. BEGIN INSTALLATION AND ROUGH-IN ONLY AFTER PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION IS COMPLETE. COORDINATE WITH BUILDING STRUCTURE, ARCHITECTURE, MECHANICAL SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, EQUIPMENT ACCESS/CLEARANCE, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR REWORK OF INSTALLED EQUIPMENT RESULTING FROM INSUFFICIENT COORDINATION.
2. ELECTRICAL DRAWINGS ARE ONLY A PORTION OF THE COMPLETE SET OF PLANS AND CONTRACT DOCUMENTS. THE ELECTRICAL SCOPE OF WORK IS DEFINED BY THE COMPLETE SET OF CONTRACT DOCUMENTS. THIS INCLUDES BUT IS NOT LIMITED TO REFERENCING, ARCHITECTURAL PLANS FOR DIMENSIONS AND DETAILS, EQUIPMENT PLANS FOR ROUGH-IN REQUIREMENTS, MECHANICAL PLANS FOR EQUIPMENT SIZES AND LOCATIONS.

INSTALLATION NOTES - ELECTRICAL

1. INCREASE CONDUCTOR SIZES ON 20A 120V-1 PHASE CIRCUITS EXCEEDING 100 FEET TO CENTER OF LOAD TO ACCOUNT FOR VOLTAGE DROP.
2. RACEWAYS AND BOXES ARE SHOWN DIAGRAMMATICALLY ONLY AND INDICATE GENERAL AND APPROXIMATE LOCATIONS. LAYOUTS DO NOT ALWAYS SHOW THE TOTAL NUMBER OF RACEWAYS OR BOXES FOR THE CIRCUITS REQUIRED. NOR ARE THE LOCATIONS OF INDICATED RUNS INTENDED TO SHOW THE ACTUAL ROUTING OF THE RACEWAYS.
3. LIGHT FIXTURES, SWITCHES, DEVICES, ETC. ARE SHOWN IN PREFERRED LOCATION. MODIFY CONDUIT, HANGERS, CIRCUITING, ETC. TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
4. PROVIDE A DEDICATED GREEN INSULATED GROUND CONDUCTOR TO ALL DEVICES. DO NOT USE CONDUIT SYSTEM AS THE ONLY EQUIPMENT GROUNDING METHOD.
5. DO NOT INSTALL BOXES BACK-TO-BACK ON OPPOSITE SIDES OF THE SAME WALL. MAINTAIN MINIMUM OF 8" DISTANCE BETWEEN BOXES WHEREVER APPLICABLE.
6. BALANCE PANEL LOADS DURING INSTALLATION. CIRCUIT NUMBERING SHOWN ON PLANS MAY BE ADJUSTED TO ACCOMMODATE.
7. PROVIDE TYPED PANEL DIRECTORY AT PROJECT COMPLETION FOR NEW PANELS AND EXISTING PANELS WITH CIRCUITS MODIFIED DURING PROJECT. USE OWNER'S CURRENT ROOM NUMBERS AND EQUIPMENT NAMES. PROVIDE UNIQUE CIRCUIT IDENTIFICATION PER NEC 408.4(A)
8. CONTRACTOR IS RESPONSIBLE FOR OPENINGS IN WALLS, FLOORS, CEILINGS, AND ROOFS THAT ARE REQUIRED TO COMPLETE THEIR SCOPE OF WORK. SEAL PENETRATIONS IN ACCORDANCE WITH THE RATING OF THE AFFECTED ASSEMBLY. REFER TO ARCHITECTURAL CODE PLAN FOR RATED WALLS, FLOORS, AND CEILINGS.

ELECTRICAL ABBREVIATIONS

A	DEVICE MOUNTED +8" ABOVE COUNTER TOP (VERIFY LOCATION)	NM	NONMETALLIC NOT TO SCALE
AFF	ABOVE FINISHED FLOOR	NTS	NOT TO SCALE
ATS	AUTOMATIC TRANSFER SWITCH	OC	ON CENTER
C	CIRCUIT BREAKER	OCFI	OWNER FURNISHED CONTRACTOR INSTALLED
CB	CIRCUIT BREAKER	OFOI	OWNER FURNISHED OWNER INSTALLED
CT	CURRENT TRANSFORMER	R	OWNER INSTALLED
EC	ELECTRICAL CONTRACTOR	RR	EXISTING ITEM TO BE REMOVED
EM	EMERGENCY LIGHT FIXTURE	RN	EXISTING ITEM TO BE REMOVED AND REPLACED WITH NEW
ER	NEW LOCATION OF EXISTING ITEM	SCCR	SHORT CIRCUIT CURRENT RATING
F	ROUGH IN FOR FUTURE DEVICE	T	TAMPER PROOF DEVICE
FAAP	FIRE ALARM ANNUNCIATOR PANEL	TCC	TEMPERATURE CONTROL CONTRACTOR
FACP	FIRE ALARM CONTROL PANEL	TV	TELEVISION
FSD	FIRE SMOKE DAMPER	TYP	TYPICAL
G	GROUND FAULT CIRCUIT INTERRUPTER	UPS	UNINTERRUPTIBLE POWER SUPPLY
GND	GROUND	V	VOLTS
KVA	KILO-VOLT-AMPERES	VA	VOLT-AMPERES
KW	KILOWATTS	WG	WIREGUARD COVER
MC	MECHANICAL CONTRACTOR	WP	WEATHERPROOF DEVICE
MCB	MAIN CIRCUIT BREAKER	WR	WEATHER RESISTANT DEVICE
MDP	MAIN DISTRIBUTION PANEL	XTR	TRANSFORMER
MLO	MAIN LUGS ONLY	+24"	INDICATES MOUNTING HEIGHT CENTER LINE OF DEVICE TO FINISHED FLOOR
N	NEW DEVICE IN EXISTING LOCATION		
NIC	NOT IN CONTRACT		

CODE NOTES - ELECTRICAL

1. PROVIDE ELECTRICAL INSTALLATION IN ACCORDANCE WITH ALL STATE CODES.
2. THE CURRENT ADOPTED EDITION OF THE ELECTRICAL CODE IS THE STANDARD FOR THE ELECTRICAL INSTALLATION. VERIFY WITH LOCAL OFFICIALS WHEN PERMITS ARE OBTAINED. NOTIFY DESIGN TEAM OF ANY DISCREPANCIES BETWEEN THE PROJECT MANUAL OR DRAWINGS AND THE GOVERNING CODE.
3. INSTALLATION SHALL FOLLOW REQUIREMENTS OF THE ADAAG - AMERICANS WITH DISABILITIES ACT.
4. REFER TO PROJECT MANUAL AND PROJECT CODE REVIEW SHEET FOR LIST OF APPLICABLE CODES.
5. PER NEC EVERY CIRCUIT AND CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT AND SPECIFIC PURPOSE OR USE. CONTRACTOR TO PROVIDE FINAL CIRCUIT IDENTIFICATION FOR ALL NEW AND MODIFIED CIRCUITS AT PROJECT COMPLETION.

DEVICE INSTALLATION AND MATERIALS - ELECTRICAL

1. PROVIDE NORMAL WIRING DEVICES AS **GRAY** UNLESS OTHERWISE NOTED.
2. PROVIDE DEVICES COVER PLATES AS **STAINLESS STEEL**. MATCH WIRING DEVICES COLOR.
3. PROVIDE GFCI TYPE RECEPTACLES AT ALL LOCATIONS REQUIRED BY THE NEC.
4. INSTALL WALL MOUNTED RECEPTACLES AT +18" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
5. INSTALL WALL MOUNTED LIGHT SWITCHES AT +46" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. EXCEPTION: INSTALL DEVICES ABOVE AN OBSTRUCTED HIGH FORWARD REACH OBSTACLE GREATER THEN 20 INCHES IN DEPTH AT +42".
6. INSTALL ABOVE COUNTERTOP RECEPTACLES +8" ABOVE COUNTERTOP OR AS OTHERWISE INDICATED.
7. AT A COMMON COUNTERTOP, INSTALL ALL RECEPTACLES AND SWITCHES AT THE SAME HEIGHT UNLESS OTHERWISE SPECIFICALLY INDICATED.

TECHNOLOGY RESPONSIBILITY MATRIX

PROVISION RESPONSIBILITIES DEFINED				OFOI	OFCI	CFCI
COMMUNICATIONS - TELECOM SYSTEMS:						
ROUGH-IN, PATHWAYS AND SLEEVES						●
RACKS, FRAMES AND ENCLOSURES				REUSE EXISTING		
COPPER HORIZONTAL CABLING						●
DATA COMMUNICATIONS SWITCHES AND HUBS				REUSE EXISTING		
SECURITY - ACCESS CONTROL:						
ROUGH-IN, PATHWAYS AND SLEEVES						●
SECURITY MANAGEMENT SYSTEM - HEAD END COMPONENTS	●					
SECURITY MANAGEMENT SYSTEM - FIELD DEVICES	●					
SECURITY MANAGEMENT SYSTEM - ELECTRIFIED DOOR HARDWARE	●					
SECURITY MANAGEMENT SYSTEM - ALL CABLING	●					
SECURITY - VIDEO SURVEILLANCE:						
ROUGH-IN, PATHWAYS AND SLEEVES				N/A	N/A	N/A
CAMERA(S)				N/A	N/A	N/A
HEAD END EQUIPMENT AND COMPONENTS				N/A	N/A	N/A
SAFETY - FIRE DETECTION AND ALARM:						
ROUGH-IN, PATHWAYS AND SLEEVES						●
INITIATING FIELD DEVICES (SMOKE, MANUAL PULL, MONITOR MODULES)						●
NOTIFICATION APPLIANCES (HORNS, STROBES, SPEAKERS)						●
MISCELLANEOUS DEVICES (RELAYS, TEST STATION, ANNUNCIATOR)						●

●	OFOI	OWNER FURNISHED & OWNER INSTALLED
●	OFCI	OWNER FURNISHED & CONTRACTOR INSTALLED
●	CFCI	CONTRACTOR FURNISHED & CONTRACTOR INSTALLED

GENERAL NOTE:
A. MATRIX IS NOT INTENDED TO BE EXHAUSTIVE TO COVER ALL MATERIALS NECESSARY FOR SCOPE AND SHOULD ONLY BE USED TO QUICKLY IDENTIFY SYSTEMS AND RELATED INFRASTRUCTURE INSIDE AND OUTSIDE THE BID OF THIS PROJECT. ANY ITEMS FURNISHED OR INSTALLED BY THE BIDDING CONTRACTOR SHALL COVER ALL REQUIRED APPURTENANCES NECESSARY FOR A COMPLETE SYSTEM. THIS SHALL INCLUDE BUT NOT BE LIMITED TO, EQUIPMENT, ACCESSORIES, TERMINATIONS, TERMINATION COMPONENTS, ALL FINAL CORDAGE CONNECTIVITY, SOFTWARE, PROGRAMMING, AND THE LABOR TO INSTALL.

LIGHTING SYMBOLS

	RECESSED LIGHT FIXTURE. LETTER INDICATES SWITCH LEG (TYPICAL). SHADING INDICATES EMERGENCY LIGHT (TYPICAL)
	ROUND LIGHT FIXTURE - SURFACE MOUNTED
	SQUARE LIGHT FIXTURE - SURFACE MOUNTED
	PENDANT MOUNTED LIGHT FIXTURE
	SURFACE MOUNTED STRIP FIXTURE
	LINEAR PENDANT MOUNTED FIXTURE
	INDUSTRIAL STRIP LIGHT FIXTURE
	WALL MOUNTED STRIP LIGHT FIXTURE.
	EMERGENCY LIGHT FIXTURE, WALL MOUNT, +96" OR AS NOTED
	EMERGENCY LIGHT FIXTURE, CEILING MOUNT
	EXIT SIGN, WALL MOUNT +96". SHADED AREAS INDICATE NUMBER OF FACES, ARROWS INDICATE SIGN ARROWS
	EXIT SIGN, CEILING MOUNT. SHADED AREAS INDICATE NUMBER OF FACES, ARROWS INDICATE SIGN ARROWS
	SINGLE POLE SWITCH, WALL MOUNT, LETTER INDICATES SWITCH LEG
	THREE WAY SWITCH, WALL MOUNT, LETTER INDICATES SWITCH LEG

FIRE DETECTION & ALARM NOTES

1. INSTALL HEAT DETECTORS IN WORK AREAS DURING CONSTRUCTION TO MINIMIZE FALSE TRIPS. INSTALL PERMANENT DETECTORS IN LOCATIONS SHOWN UPON CONSTRUCTION COMPLETION.
2. INSTALL MODULES AT ELEVATOR EQUIPMENT TO PROVIDE PRIMARY RECALL. SECONDARY RECALL, FIRE HAT AND SHUNT TRIP. PROVIDE PROGRAMMING AS NECESSARY FOR FUNCTION SYSTEM.
3. FIRE ALARM ITEMS AND DEVICES ARE SHOWN IN SUGGESTED LOCATIONS. FINAL LAYOUTS, LOCATIONS, AND QUANTITIES SHALL BE IN ACCORDANCE WITH APPLICABLE CODES, MANUFACTURER'S RECOMMENDATIONS, AND EQUIPMENT LISTINGS. COORDINATE LOCATIONS WITH LIGHTING AND AIR HANDLING SYSTEMS.
4. ALL FIRE ALARM CIRCUITRY IN EXPOSED CEILING SPACES SHALL BE IN 3/4" CONDUIT PER SPECIFICATIONS. EXPOSED CABLING SHALL NOT BE ACCEPTED.
5. ALL CONCEALED, ACCESSIBLE CEILING TILE LOCATIONS SHALL BE ALLOWED TO HAVE OPEN AIR CABLING INSTALLED. PROVIDE J-HOOKS, BRIDLE RINGS AND ASSOCIATED CABLE SUPPORTS TO KEEP INFRASTRUCTURE MANAGED AND OFF OF THE CEILING TILE.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE FIRESTOPPING AT ALL PENETRATIONS PER SPECIFICATION.

COMMUNICATION NOTES

1. REUSE EXISTING POTS LINE IN THE ELEVATOR EQUIPMENT ROOM FOR THE ELEVATOR TELEPHONE. REVISE LOCATION AND EXTEND AS NECESSARY FOR NEW EQUIPMENT LOCATIONS.
2. INSTALL NEW DATA CABLING FROM IDF LOCATIONS SHOWN ON PLANS TO EACH ELEVATOR EQUIPMENT ROOM FOR NEW 2-WAY COMMUNICATION SYSTEM.

H.V.A.C. / DUCTWORK SYMBOLS

RECT.	RND.	OVAL	SUPPLY (SA), OUTSIDE (OA), VENTILATION (VA) AIR DUCT (UP / DOWN / SECTION)
			RETURN (RA) AIR DUCT (UP / DOWN / SECTION)
			EXHAUST (EA) AIR DUCT (UP / DOWN / SECTION)
			RECTANGULAR DUCT (WIDTH / HEIGHT / SYSTEM)
			ROUND DUCT (DIAMETER / SYSTEM)
			FLAT OVAL DUCT (WIDTH / HEIGHT / SYSTEM)
			SUPPLY DIFFUSER
			SUPPLY REGISTER OR GRILLE
			LINEAR SLOT DIFFUSER
			RETURN REGISTER OR GRILLE
			EXHAUST REGISTER OR GRILLE
			DUCT ACCESS DOOR
			DUCT END CAP
			TURNING VANES
			VAV TERMINAL UNIT
			FLEXIBLE DUCTWORK
			ELEVATION CHANGE (RISE OR DROP)
			HIGH EFF. TAKE OFF FITTING w/ VOLUME DAMPER
			FIRE/SMOKE DAMPER
			MOTORIZED ACTUATOR
			THERMOSTAT
			SIDE WALL DIFFUSER
			ROUND DIFFUSER
			EXTERIOR LOUVER
			FIXTURE IDENTIFICATION TAG NECK SIZE / CFM

GENERAL SYMBOLS

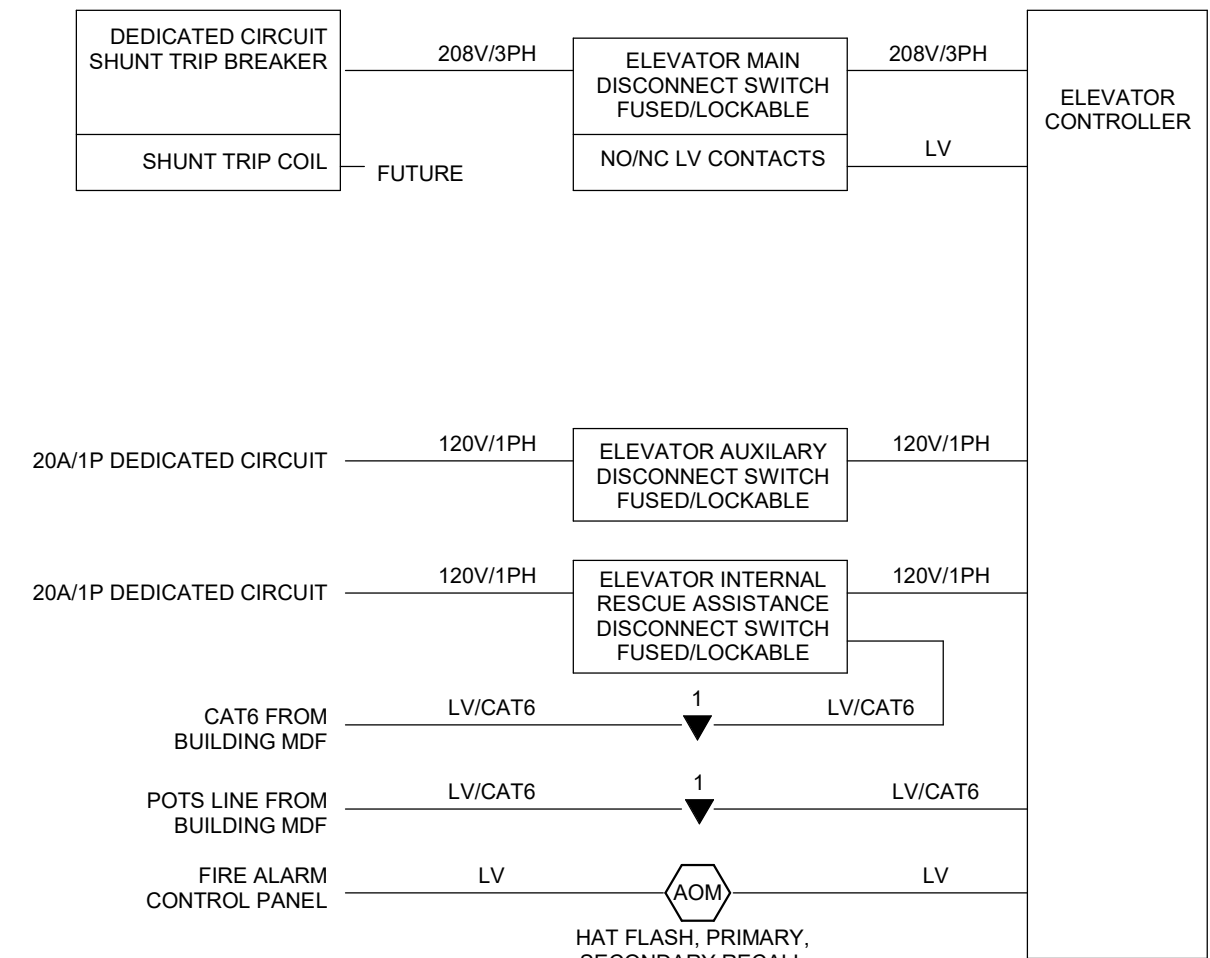
	JUNCTION BOX, CEILING OR FLOOR MOUNTED.
	JUNCTION BOX, WALL MOUNTED, ELEVATION AS NOTED.
	KEYNOTE
	EQUIPMENT IDENTIFICATION TAG. REFER TO EQUIPMENT CONNECTION SCHEDULE
	DETAIL DRAWING REFERENCE TAG, SIM-SIMILAR, TYP-TYPICAL, OPP-OPPOSITE SHEET REFERENCE
	SECTION CUT REFERENCE TAG, SIM-SIMILAR, TYP-TYPICAL, OPP-OPPOSITE SHEET REFERENCE
	INTERIOR ELEVATION DRAWING REFERENCE TAG
	DRAWINGS REVISION. REFER TO TITLEBLOCK FOR REVISION NAME AND DATE

POWER SYMBOLS

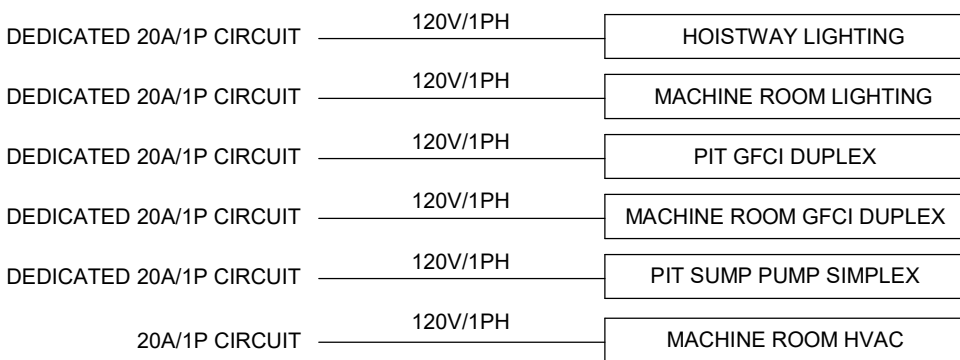
	SINGLE RECEPTACLE, WALL MOUNTED
	DUPLEX RECEPTACLE, CEILING MOUNTED
	DUPLEX RECEPTACLE, WALL MOUNTED, TAMPER-RESISTANT
	DUPLEX RECEPTACLE, HALF SWITCHED, WALL MOUNTED, TAMPER-RESISTANT LOWERCASE LETTER INDICATES SWITCH LEG
	DUPLEX RECEPTACLE, WALL MOUNTED, SURFACE RACEWAY
	DUPLEX GFCI RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT. "G" INDICATES PROTECTION INCLUDED IN DEVICE. SHADING INDICATES DEVICE PROTECTED BY EITHER UPSTREAM GFCI DEVICE OR CIRCUIT BREAKER
	EQUIPMENT CONNECTION. REFER TO EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE. REFER TO PANEL SCHEDULES FOR GFCI PROTECTION WHERE REQUIRED
	MOTOR CONNECTION. REFER TO EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE. REFER TO PANEL SCHEDULES FOR GFCI PROTECTION WHERE REQUIRED
	EQUIPMENT CONNECTION, WALL MOUNT. REFER TO EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE. REFER TO PANEL SCHEDULES FOR GFCI PROTECTION WHERE REQUIRED
	SAFETY DISCONNECT SWITCH
	PANELBOARD - SURFACE MOUNTED
	PANELBOARD - RECESSED IN WALL
	DISTRIBUTION PANELBOARD/SWITCHBOARD - SURFACE MOUNTED AS NOTED.

FIRE DETECTION AND ALARM SYMBOLS

	MANUAL FIRE ALARM PULL STATION
	FIRE ALARM CONTROL PANEL + EMERGENCY COMMUNICATIONS PANEL
	HEAT DETECTOR
	SMOKE DETECTOR
	SMOKE DETECTOR WITH 520Hz SOUNDER BASE
	DUCT SMOKE DETECTOR
	HORN
	COMBINATION HORN WITH STROBE
	COMBINATION SPEAKER WITH STROBE
	STROBE
	SMOKE DAMPER
	COMBINATION FIRE/SMOKE DAMPER
	ADDRESSABLE INPUT MODULE; FS - SPRINKLER WATER FLOW SWITCH, TS - TAMPER SWITCH, PIV - POST INDICATOR VALVE
	ADDRESSABLE OUTPUT MODULE; SD - FAN SHUT DOWN RELAY

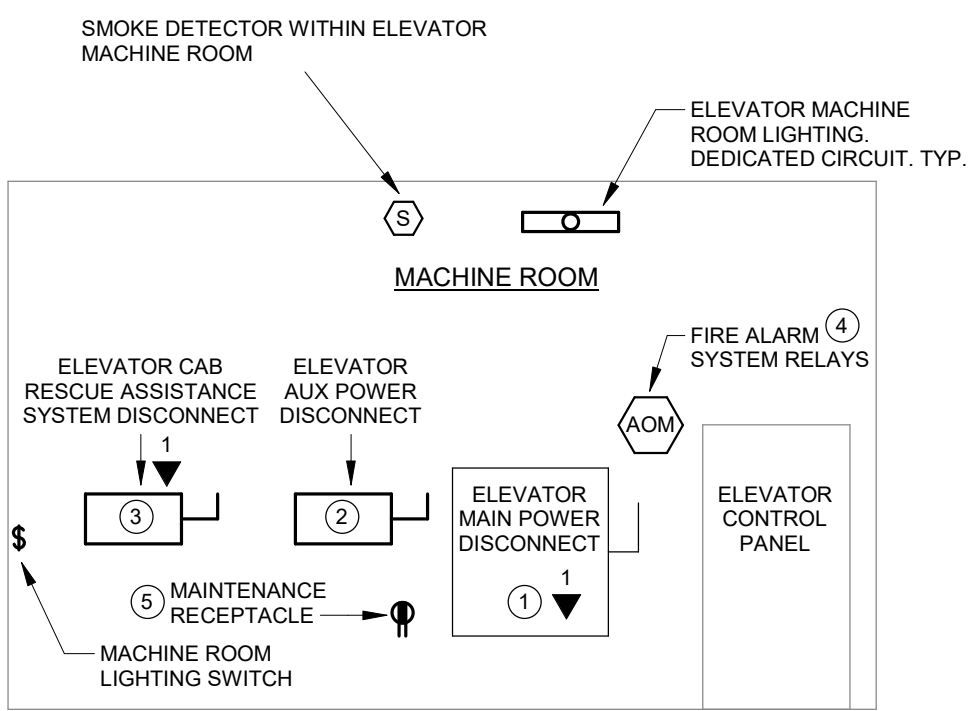


TYPICAL ELEVATOR SYSTEMS WIRING DIAGRAM

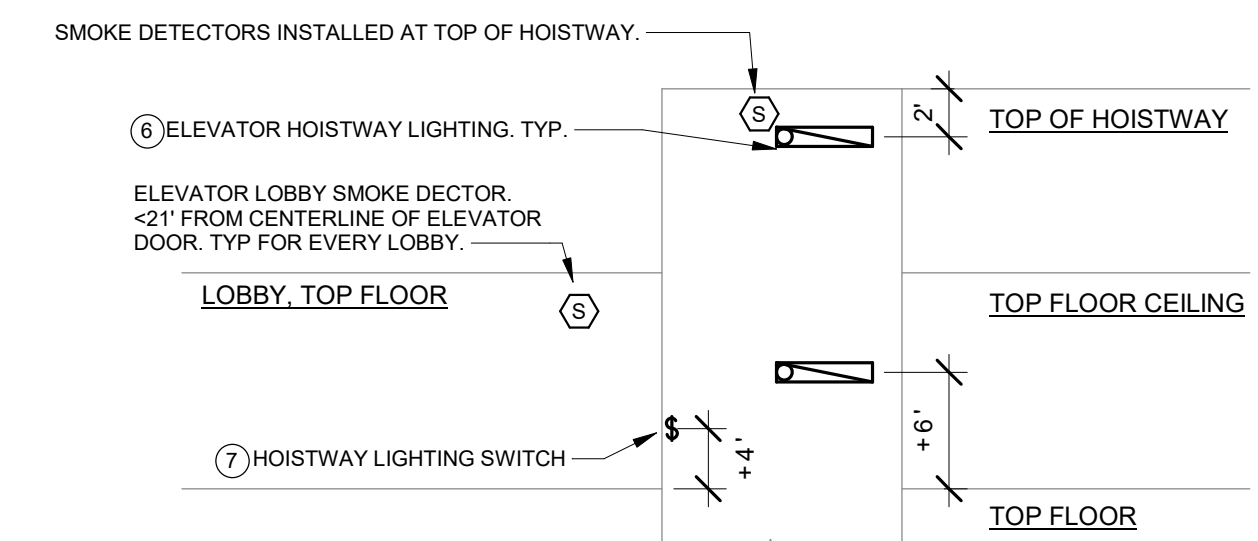


KEY NOTES:

1. FUSED, LOCKABLE MAIN DISCONNECT SWITCH AND DEDICATED CAT6 DATA TERMINATION TO SERVE ELEVATOR MAIN POWER. PROVIDED WITH NOINC LOW VOLTAGE CONTACTS.
2. FUSED, LOCKABLE 120V/1POLE DISCONNECT SWITCH TO SERVE ELEVATOR AUXILIARY LIGHTING/VENTILATION.
3. FUSED, LOCKABLE 120V/1POLE DISCONNECT SWITCH AND DEDICATED CAT6 DATA TERMINATION TO SERVE ELEVATOR CAB INTERNAL RESCUE ASSISTANCE SYSTEM.
4. FIRE ALARM SYSTEM HAT FLASH, PRIMARY RECALL, AND SECONDARY RECALL RELAYS.
5. DEDICATED CIRCUIT 120V DUPLEX GFCI MAINTENANCE RECEPTACLE WITHIN MACHINE ROOM SPACE ADJACENT TO DISCONNECTS.
6. ELEVATOR HOISTWAY LIGHTING POWERED BY DEDICATED CIRCUIT. FOR EACH CAR, PROVIDE LIGHT FIXTURE AT TOP OF HOISTWAY, PIT, AND AT EACH FLOOR. FIXTURES ABOVE PIT LOCATED TO ILLUMINATE TOP OF CAR AT EACH STOP. TYPICAL 10' ABOVE EACH LEVEL.
7. PROVIDE HOISTWAY LIGHTING CONTROLS THREE WAY SWITCHES AT BOTTOM AND TOP FLOOR HOISTWAY ENTRIES WHERE MULTIPLE CARS SHARE A COMMON HOISTWAY. PROVIDE 4 WAY SWITCHES AND PROVIDE SWITCH AT EACH CAR'S BOTTOM AND TOP FLOORS. SWITCH SHALL CONTROLS ALL LIGHTING IN HOISTWAY AND PIT



TYPICAL ELEVATOR MACHINE ROOM



TYPICAL ELEVATOR HOISTWAY ELEVATION

100 Court Ave., Suite 100
Des Moines, IA 50309
P: 515-309-0722
www.opnarchitects.com

All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by OPN Architects, Inc. are instruments of service and shall remain the property of OPN Architects, Inc. OPN Architects, Inc. shall retain all common law, statutory and other reserved rights, including the copyright thereto.

Owner
STATE OF IOWA - 9504.00
109 SE 13TH STREET
DES MOINES, IA 50319

Project
WRC FOOD SERVICE ELEVATOR REPLACEMENT
34 CEDAR STREET
WOODWARD, IA 50276

CONSTRUCTION MANAGER
STORY CONSTRUCTION
2810 WAKEFIELD CIRCLE
AMES, IA 50010

ELEVATOR CONSULTANT
LERCH BATES
7625 GOLDEN TRIANGLE DRIVE,
SUITE T
EDEN PRAIRIE, MN 55344

Mechanical Engineer
KCL ENGINEERING
300 4TH STREET
WEST DES MOINES, IA 50317

Electrical Engineer
KCL ENGINEERING
300 4TH STREET
WEST DES MOINES, IA 50317

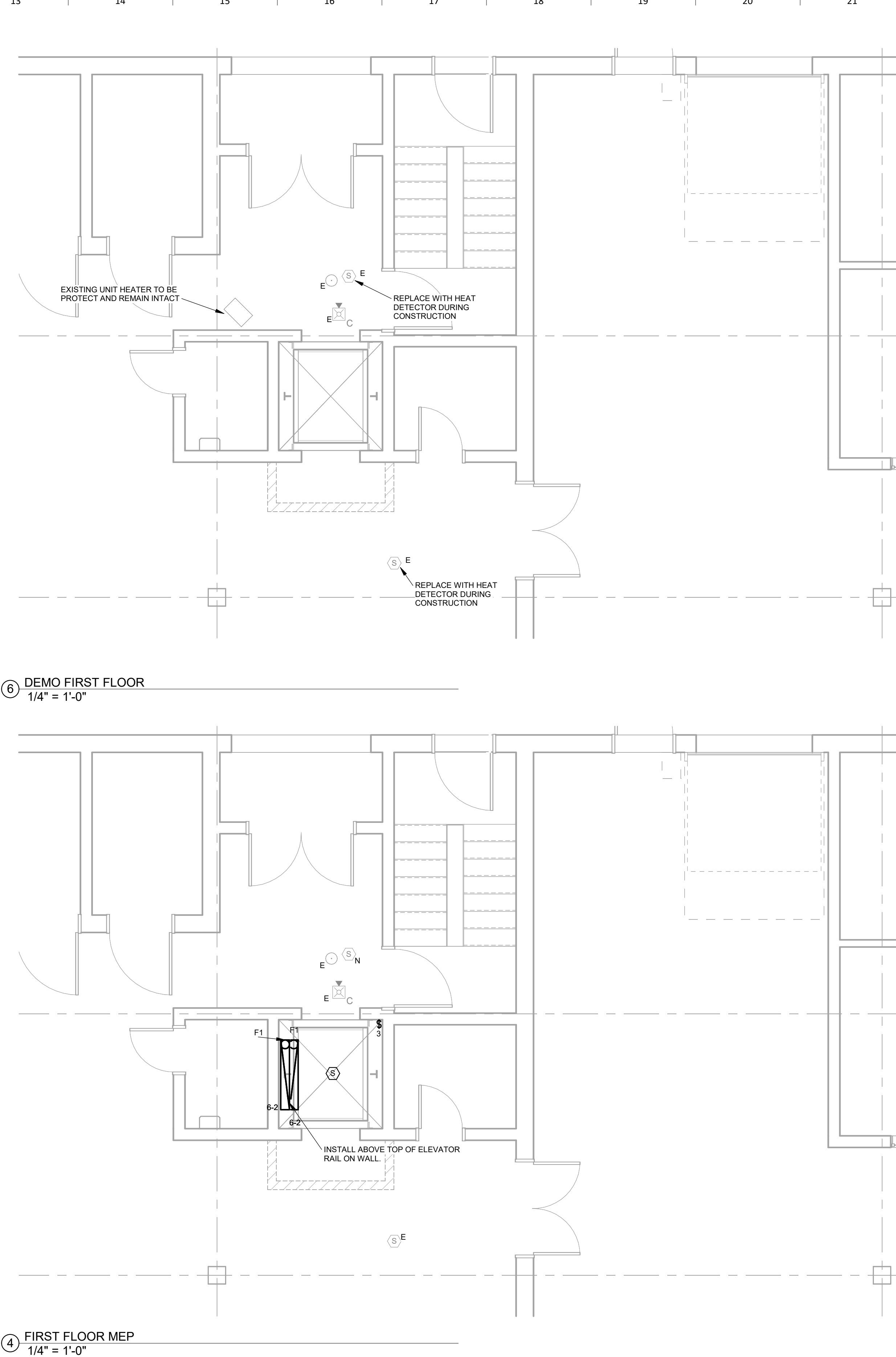
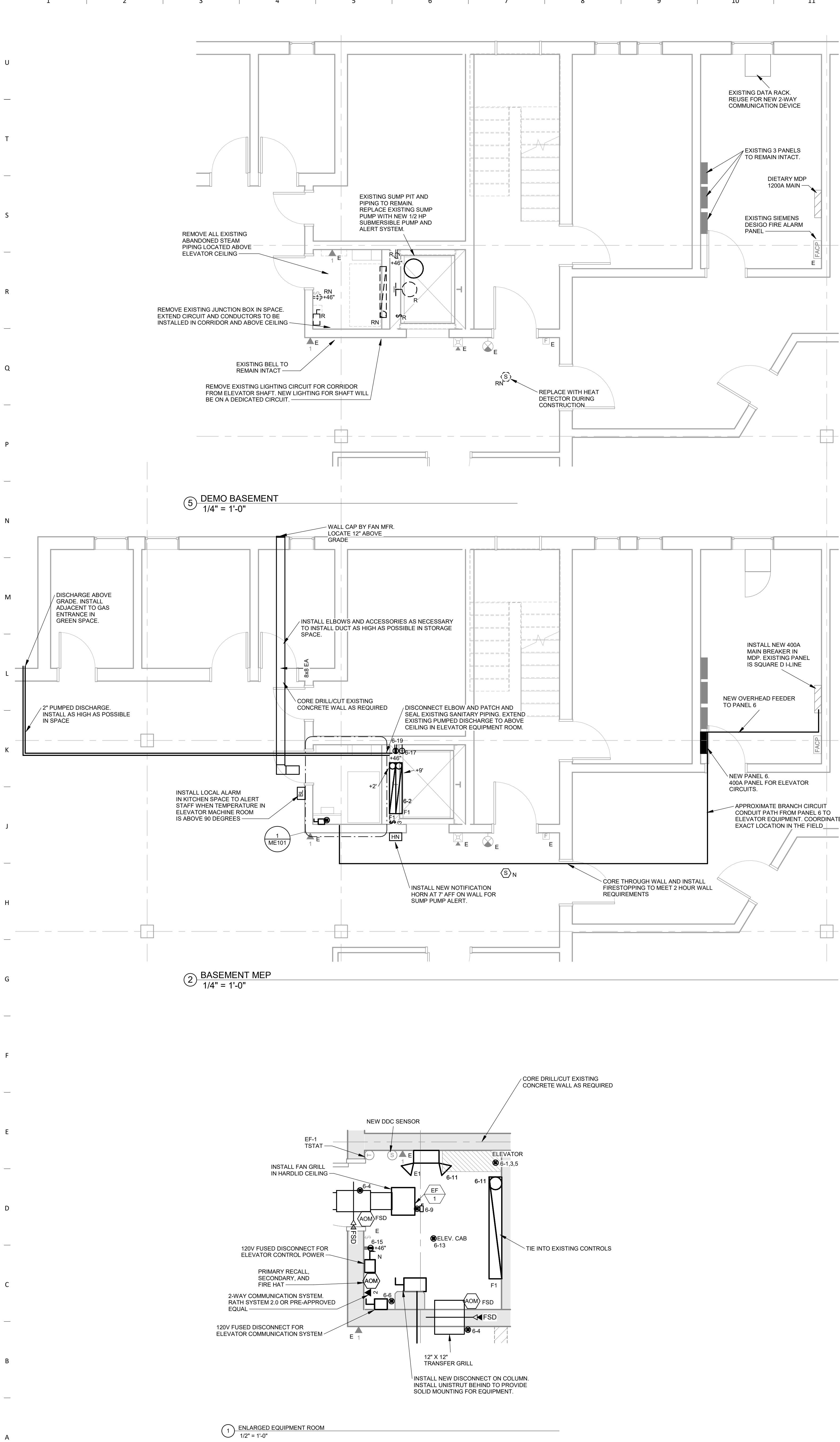
Key Plan:

Revision Description Date

OPN Project No.
25832000

Sheet Issue Date
100% CD SET 06/16/26

Sheet Name
ELECTRICAL GENERAL NOTES & SYMBOLS
Sheet Number



ELECTRICAL DEMOLITION NOTES

- DEMOLITION DRAWINGS PRESENT LAYOUT OF EXISTING CONDITIONS AND MAJOR MECHANICAL/ELECTRICAL ITEMS. FIELD VERIFY EXISTING CONDITIONS AND BECOME FAMILIAR WITH EXISTING ELECTRICAL SYSTEM AND DEMOLITION SCOPE BEFORE WORK BEGINS.
- ADDITIONAL COMPONENTS MAY EXIST WHICH ARE NOT SHOWN. HANDLE SUCH ITEMS IN A MANNER SIMILAR TO THOSE ITEMS WHICH ARE SHOWN.
- REMOVE ELECTRICAL FACILITIES AND CLEAR THE AREA TO RECEIVE THE NEW WORK.
 - REMOVE ALL CONDUIT, WIRE, BOXES, ETC., AS REQUIRED BY WALL AND CEILING DEMOLITION.
 - IDENTIFY THE LOCATION OR ITEMS SERVED FOR ALL DISCONNECTED BRANCH CIRCUITS BEFORE DEMOLITION. MAINTAIN CIRCUITS SERVING AREAS BEYOND THE DEMOLITION AREA.
 - REMOVE AND REINSTALL CEILING TILES AS REQUIRED TO REMOVE THE ELECTRICAL FACILITIES NOTED. REPLACE CEILING TILES DAMAGED DURING DEMOLITION.
 - KEEP EXISTING SYSTEMS OPERATIONAL DURING ALL PHASES OF CONSTRUCTION UNLESS NECESARY FOR DEMOLITION.
 - OBTAIN OWNER'S PERMISSION TO SHUT OFF SERVICES OR SYSTEMS WHICH MAY AFFECT OTHER AREAS BEYOND DEMOLITION AREA. INFORM OWNER AS TO THE REASON FOR AND THE DURATION OF THE SHUTDOWN.
 - REPAIR AT CONTRACTORS EXPENSE ANY DAMAGED CONDUIT OR WIRE NOT IDENTIFIED FOR DEMOLITION.
 - INSTALL BLANK COVERPLATES/COVERS OVER OPENINGS AT REMOVED DEVICE LOCATIONS.
- ALL WIRING FOR REMODELED AREAS SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE.
- PROTECT EXISTING DEVICES IDENTIFIED TO REMAIN OR BE RELOCATED. IF AN EXISTING DEVICE CANNOT BE REINSTALLED NOTIFY DESIGN TEAM DURING DEMOLITION. REPLACE FUNCTIONING ITEMS DAMAGED DURING DEMOLITION.
- REMOVED/DEMOLISHED EQUIPMENT REMAINS THE PROPERTY OF THE OWNER UNLESS OTHERWISE NOTED. VERIFY OWNERS SALVAGE SELECTIONS AND DISPOSE ALL OTHER MATERIALS.
- PLAN ABBREVIATIONS:
 - E - EXISTING ITEM TO REMAIN
 - ER - NEW LOCATION OF EXISTING ITEM
 - N - NEW ITEM IN EXISTING LOCATION
 - R - EXISTING ITEM TO BE REMOVED, PATCH AND/OR COVER
 - RN - REPLACE EXISTING WITH NEW
 - RR - EXISTING ITEM TO BE REMOVED AND RELOCATED

LIGHTING GENERAL NOTES

- COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION HAS TRANSPIRED. ITEMS TO BE COORDINATED SHALL INCLUDE BUT NOT BE LIMITED TO: BUILDING STRUCTURE, SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
- UNLESS NOTED OTHERWISE, CONNECT ALL EMERGENCY BATTERY FIXTURES WITH AN UN-SWITCHED LEG OF THE LIGHTING CIRCUIT THAT SERVES THE FIXTURES SPACE. MAINTAIN NORMAL SWITCHING SCHEME OF EMERGENCY FIXTURES UNDER NORMAL OPERATION.
- LIGHTING CONTROLS SENSORS SHOWN ON PLANS AT SUGGESTED LOCATIONS. VERIFY FINAL LOCATIONS AND QUANTITIES WITH MANUFACTURER GUIDELINES AND INSTALLATION RECOMMENDATIONS. COORDINATE RELOCATIONS WITH ARCHITECTS CEILING PLAN.

POWER GENERAL NOTES

- COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION HAS TRANSPIRED. ITEMS TO BE COORDINATED SHALL INCLUDE BUT NOT BE LIMITED TO: BUILDING STRUCTURE, SHEET METAL, PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
- COORDINATE ELECTRICAL REQUIREMENTS FOR MECHANICAL UNITS WITH MECHANICAL CONTRACTOR AND FINAL MECHANICAL SHOP DRAWINGS.
- PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. COORDINATE FIRE RATED WALL PENETRATIONS AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATING.

COMMUNICATION GENERAL NOTES

- COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION HAS TRANSPIRED. ITEMS TO BE COORDINATED SHALL INCLUDE BUT NOT BE LIMITED TO: BUILDING STRUCTURE, SHEET METAL, PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
- PROVIDE PENETRATIONS REQUIRED FOR ROUTING CABLING AND RACEWAYS THROUGH THE BUILDING. COORDINATE FIRE RATED WALL PENETRATIONS AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATING.
- PROVIDE J-HOOKS, BRIDLE RINGS AND OTHER ACCESSORIES REQUIRED TO SUPPORT ALL TELECOMMUNICATIONS AND SECURITY MANAGEMENT SYSTEM CABLING.

OPNARCHITECTS

100 Court Ave., Suite 100
Des Moines, IA 50309
P: 515-309-0722
www.opnarchitects.com

All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by OPN Architects, Inc. are instruments of service and shall remain the property of OPN Architects, Inc. OPN Architects, Inc. shall retain all common law, statutory and other reserved rights, including the copyright thereto.
Owner
STATE OF IOWA - 9504.00
109 SE 13TH STREET
DES MOINES, IA 50319

Project
WRC FOOD SERVICE ELEVATOR REPLACEMENT
34 CEDAR STREET
WOODWARD, IA 50276

CONSTRUCTION MANAGER
STORY CONSTRUCTION
2810 WAKEFIELD CIRCLE
AMES, IA 50010

ELEVATOR CONSULTANT
LERCH BATES
7625 GOLDEN TRIANGLE DRIVE,
SUITE T
EDEN PRAIRIE, MN 55344

Mechanical Engineer
KCL ENGINEERING
300 4TH STREET
WEST DES MOINES, IA 50317

Electrical Engineer
KCL ENGINEERING
300 4TH STREET
WEST DES MOINES, IA 50317

Key Plan

Revision Description Date

OPN Project No.
25832000

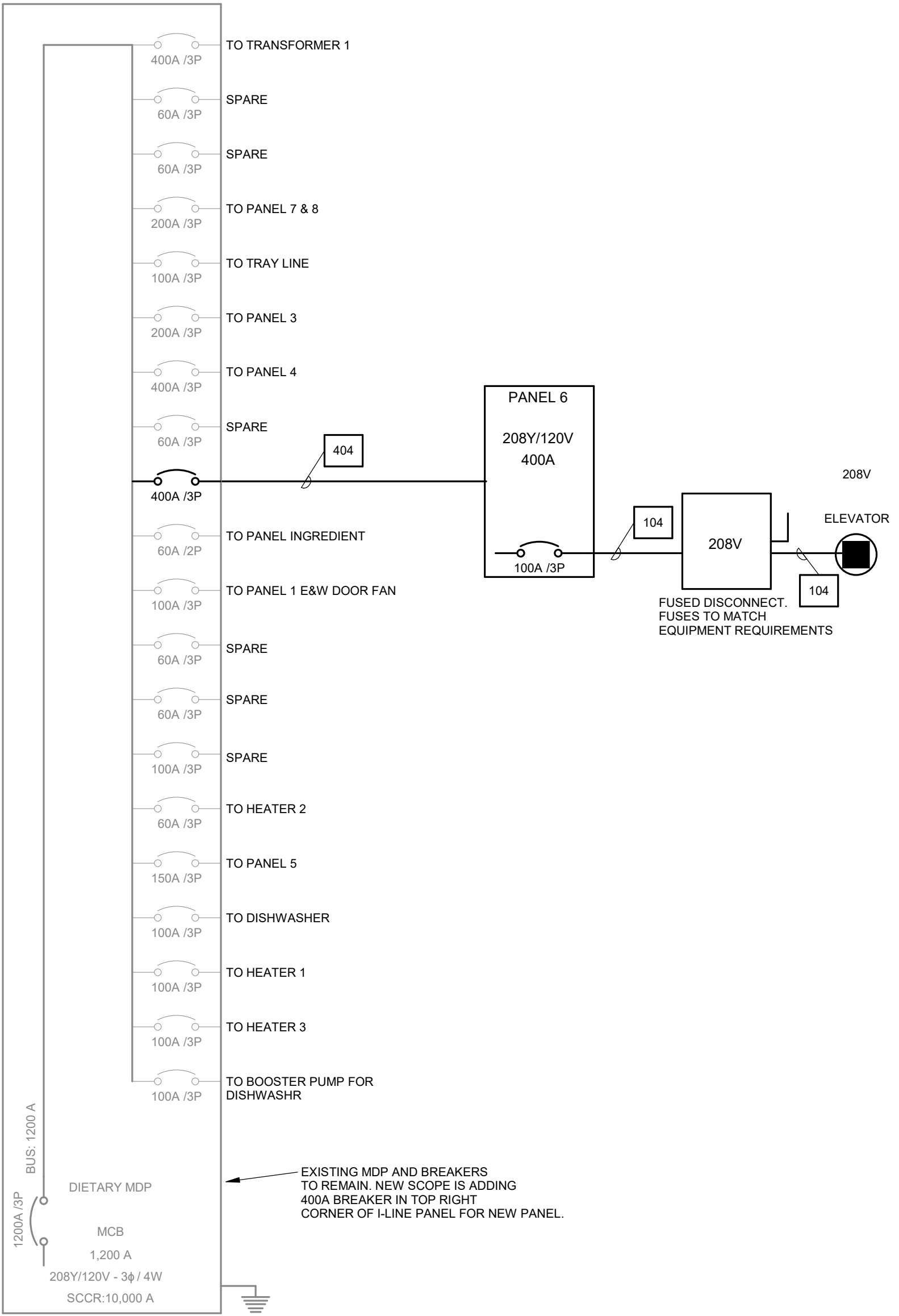
Sheet Issue Date
BID SET 06/16/2026

Sheet Name
MECHANICAL-ELECTRICAL PLAN

Sheet Number
ME101

RISER DIAGRAM GENERAL NOTES

- A. DIAGRAM INDICATES OVERALL LAYOUT OF ELECTRICAL DISTRIBUTION SYSTEM. REFER TO FLOOR PLANS FOR EQUIPMENT LOCATIONS.
- B. USE COPPER CONDUCTORS UNLESS OTHERWISE INDICATED.
- C. MATCH NEUTRAL CONDUCTOR SIZE TO THE PHASE CONDUCTORS UNLESS OTHERWISE NOTED.
- D. ALL WIRING SHALL BE IN RACEWAY AS NOTED. REFER TO SPECIFICATIONS FOR CONDUIT APPLICATION REQUIREMENTS.
- E. INSTALL UTILITY TRANSFORMER PAD, METERING EQUIPMENT, AND SERVICE ENTRANCE FEEDERS IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS.



ONE-LINE DIAGRAM NOT TO SCALE

FEEDER SCHEDULE				
TAG	PHASE	GROUND	CONDUCTOR MATERIAL	CONDUIT
104	1- SET (4) #3	#8	COPPER	(1) 1 1/4"
404	1- SET (4) 500 MCM	#3	COPPER	(1) 4"

DUCT INSULATION SCHEDULE

DUCT TYPE	HVAC EQUIPMENT	DUCT DETAILS	PRESSURE CLASS	INSULATION TYPE	INSULATION THICKNESS
EXHAUST AIR DUCT	FROM EXHAUST FAN TO EXTERIOR BUILDING PENETRATION	RECTANGULAR GALVANIZED STEEL	+2 INCH WG	WRAPPED MINERAL FIBER	1-1/2 INCH
TRANSFER DUCT	N/A	RECTANGULAR GALVANIZED STEEL	-1/2 INCH WG	NONE	N/A

- 1. ALL DUCTWORK SHALL BE CONSTRUCTED AND ERECTED IN ACCORDANCE WITH 2021 INTERNATIONAL MECHANICAL CODE.

GRILLES REGISTERS AND DIFFUSERS SCHEDULE

REFERENCE	MATERIAL	MARGIN (IN)	INLET (IN)	FACE (IN)	DAMPER	MFR	MODEL	NOTES
RG-1 (RETURN GRILLE)	ALUMINIUM	1 1/4"	SEE DWG	24 x 24	NO	TITUS	PAR	1,2
RG-2 (RETURN GRILLE)	ALUMINIUM	1 1/4"	SEE DWG	INLET +2	NO	TITUS	350FL	1,2

- NOTES:
 - 1. REFER TO ARCH DRAWINGS FOR FINAL CEILING TYPE FOR MOUTING TYPE.
 - 2. PROVIDE WITH WHITE FINISH.

FAN SCHEDULE

REFERENCE	EF-1
MANUFACTURER	GREENHECK
MODEL #	SQ-97-VG
TYPE	INLINE EXHAUST
SERVES	ELEVATOR EQUIPMENT ROOM
CFM	350
ESP (IN. W.C.)	0.50
FAN RPM	1712
BELT/DIRECT	DIRECT
SPEED CONTROL (YES/NO)	YES
SONES	14.0
BACKDRAFT (MOTOR/GRAVITY/NONE)	MOTORIZED (MFR PROVIDED)
BHP	0.16
MOTOR HP	1/4
VOLTAGE/PH	120/1
NOTES	1,2,3,4

- NOTES:
 - 1. INTEGRAL STARTER AND DISCONNECT BY FAN MFR.
 - 2. PROVIDE WITH POTENTIOMETER DIAL SPEED CONTROL TO BE LOCATED IN UNIT HOUSING. WIRING BY EC.
 - 3. FAN TO OPERATED VIA WALL THERMOSTAT. TSTAT BY MC AND WIRING BY EC. TSTAT SET TO 78F.
 - 4. PROVIDE INSULATED MOTORIZED DAMPER ON OUTLET OF FAN TO OPEN/CLOSE WITH FAN OPERATION. WIRING BY EC.

LIGHTING FIXTURE SCHEDULE

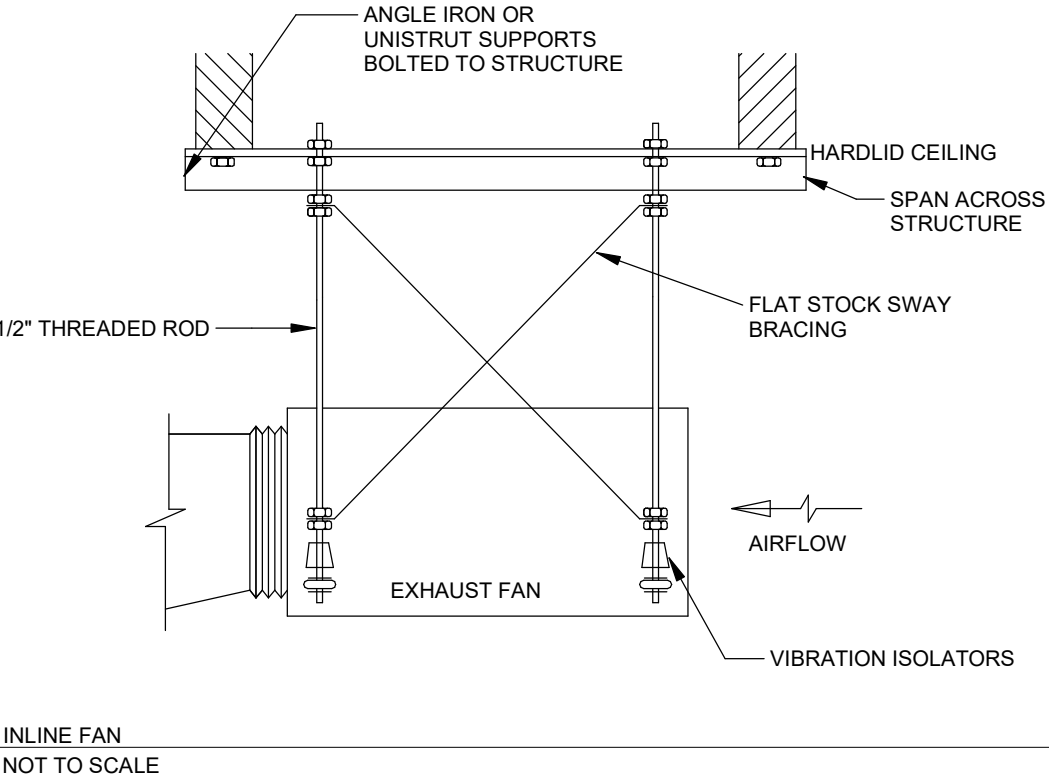
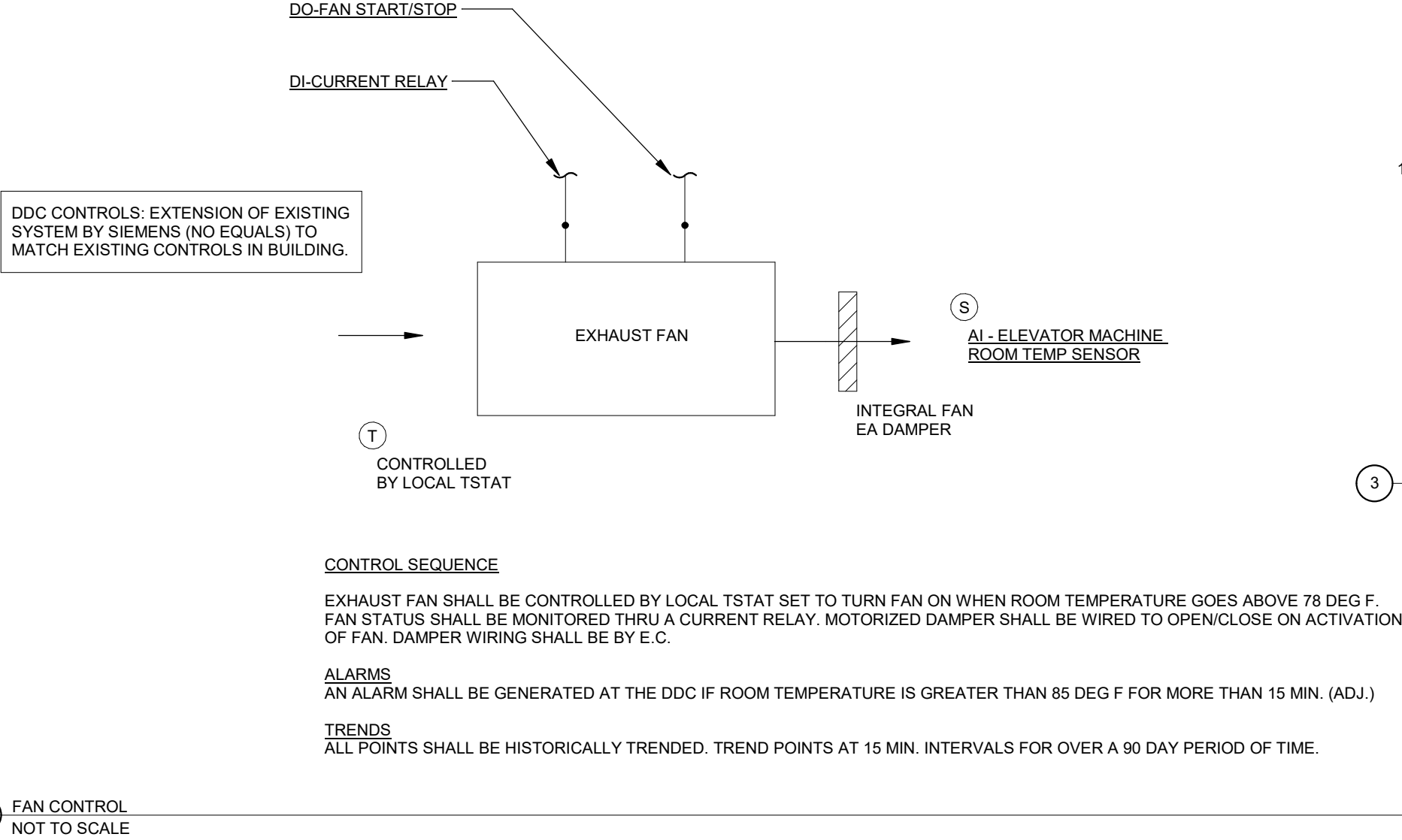
- NOTES:
 - 1. ALL FIXTURES SHALL BE U.L. OR SIMILARLY LISTED.
 - 2. INCLUDE A MINIMUM 1 YEAR WARRANTY FOR LIGHTING FIXTURES, WHERE NOT OTHERWISE SPECIFIED.
 - 3. REFER TO ARCHITECTURAL DOCUMENTS FOR EXACT MOUNTING LOCATIONS, DETAILS, AND CONFIGURATIONS OF ALL LUMINAIRES. IF ARCHITECTURAL DRAWINGS DO NOT CLARIFY EXACT MOUNTING LOCATION OR DETAIL, ISSUE AN RFI FOR ARCHITECT TO SPECIFICALLY CLARIFY PRIOR TO FIXTURE ROUGH-IN.
 - 4. VERIFY COMPATIBILITY OF LIGHT FIXTURES WITH ARCHITECTURAL CEILING PLAN, MATERIALS, ADJACENT CONSTRUCTION, AND ADJACENT FINISHES PRIOR TO SHOP DRAWINGS SUBMITTAL. ADJUST FIXTURE TYPE, CONSTRUCTION, FLANGE,...
 - 5. CONTRACTOR IS RESPONSIBLE FOR ALL MISCELLANEOUS HARDWARE NECESSARY TO INSTALL AND SUPPORT THE LUMINAIRES.
 - 6. AIM AND TARGET ADJUSTABLE INTERIOR AND EXTERIOR LIGHT FIXTURES UNDER THE OBSERVATION AND IN COMPLIANCE WITH RECOMMENDATIONS OF THE ARCHITECT.
 - 7. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND FILLING OUT ALL UTILITY REBATE FORMS FOR OWNER.

DESIGNED BY: EDH										
TYPE	MANUFACTURER	MODEL	DESCRIPTION	FINISH	LUMENS	DRIVER TYPE	SOURCE-CCT	VOLTAGE	LOAD-VA	APPROVED EQUALS
E1	HUBBELL DUAL-LITE	LZ-2-I-03L	UNIVERSAL MOUNTING EMERGENCY UNIT, ADJUSTABLE, DUAL HEA, LEAD-CALCIUM MAINTENANCE-FREE BATTERY, SELF-DIAGNOSTICS	WHITE	300	LED DRIVER	LED - 4000K	120 V	2 VA	SURE-LITES, LIGHTALARMS
F1	LITHONIA	CSVT L48 5000LM MVOLT 40K BCRI	UTILITY STRIP FIXTURE 4'; WET LISTED, GASKETED, POLYCARB LENS, MULTI-VOLT REQUIRED	WHITE	5000	0-10V DIMMING	LED - 4000K	120 V	35 VA	COOPER, CURRENT

EQUIPMENT CONNECTION SCHEDULE

- ABBREVIATIONS:
 - 1 NEMA 1 ENCLOSURE
 - 3R NEMA 3R ENCLOSURE
 - 4 NEMA 4 ENCLOSURE
 - 4X NEMA 4X ENCLOSURE
 - BO PROVIDED BY OTHERS
 - CB CIRCUIT BREAKER IN PANEL
 - CSD COMBINATION STARTER/DISCONNECT
 - CP CORD AND PLUG PROVIDED WITH UNIT
 - ECB ENCLOSED CIRCUIT BREAKER
 - FAR FIRE ALARM SHUTDOWN RELAY
 - FDS FUSED DISCONNECT SWITCH, HEAVY...
 - GF GROUND FAULT CIRCUIT INTERRUPTION
 - HOA HAND-OFF-AUTO
- INT INTEGRAL WITH EQUIPMENT FROM FACTORY
- MMS MANUAL MOTOR STARTER W/ THERMAL...
- NFD NON-FUSED DISCONNECT SWITCH, HEAVY DUTY
- PFS PLUG FUSE WITH INTEGRATED SWITCH
- RF RETURN AIR DUCT DETECTOR
- RSR RUN STATUS RELAY, NORMALLY OPEN
- SD SUPPLY AIR DUCT DETECTOR
- SSP START/STOP PUSHBUTTON WITH PILOT
- SS START/STOP PUSHBUTTON
- TOR TIME DELAY OFF RELAY
- TS TOGGLE SWITCH
- VFD VARIABLE FREQUENCY DRIVE

	ELECTRICAL CHARACTERISTICS					DISCONNECT				CONTROLS		
TAG	VOLTAGE	PHASE	MOTOR HP	KW	MCA	TYPE	SIZE (AMPS)	NEMA RATING	FUSE SIZE (AMPS)	STARTER	DESCRIPTION	REMARKS
EF-1	120 V 1	-	-	-	5	TS	20	1	-	-	-	-
ELEV	208 V 3	-	-	-	60	FDS	100	1	80	-	-	VERIFY FUSE REQUIREMENTS WITH ELEVATOR REQUIREMENTS.
ELEV. CAB	120 V 1	-	-	-	5	NFD	30	1	15	-	-	-
ELEV. CAB	120 V 1	-	-	-	5	NFD	30	1	15	-	-	-



100 Court Ave., Suite 100
Des Moines, IA 50309
P: 515-309-0722
www.opnarchitects.com

All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by OPN Architects, Inc. are instruments of service that remain the property of OPN Architects, Inc. OPN Architects, Inc. shall retain all common law, statutory and other reserved rights, including the copyright thereto.

Owner
STATE OF IOWA - 9504.00
109 SE 13TH STREET
DES MOINES, IA 50319

Project
WRC FOOD SERVICE ELEVATOR
REPLACEMENT
34 CEDAR STREET
WOODWARD, IA 50276

CONSTRUCTION MANAGER
STORY CONSTRUCTION
2810 WAKEFIELD CIRCLE
AMES, IA 50010

ELEVATOR CONSULTANT
LERCH BATES
7625 GOLDEN TRIANGLE DRIVE,
SUITE T
EDEN PRAIRIE, MN 55344

Mechanical Engineer
KCL ENGINEERING
300 4TH STREET
WEST DES MOINES, IA 50317

Electrical Engineer
KCL ENGINEERING
300 4TH STREET
WEST DES MOINES, IA 50317

Key Plan

Revision Description Date