



**ADDENDUM #1 TO ILLINOIS INTERNATIONAL PORT DISTRICT'S
("IIPD") REQUEST FOR PROPOSALS ("RFP") FOR:
DEVELOPMENT OF ROOFTOP SOLAR PHOTOVOLTAIC SYSTEMS
AND BATTERY STORAGE SYSTEMS**

DUE DATE: 12:00 P.M. (CST) ON MARCH 11, 2026

I. AMENDMENTS TO RFP.

- 1) Amended RFP Schedule: By this Addendum #1, the Illinois International Port District (the "IIPD") hereby amends the previously-published RFP schedule to the following dates/times:

<u>Event</u>	<u>Target Date (Updated)</u>
Deadline to Submit Questions	March 4, 2026 at 4:00 pm (CST)
IIPD Response to Questions:	March 6, 2026

- 2) Acknowledgement of Receipt of RFP Amendments/Addenda: Along with submission of a Response to this RFP, Respondents shall include and provide an Acknowledgement of Addenda set forth as RFP Attachment 1 hereto.

II. RFP ATTACHMENTS AND EXHIBITS.

The following attachments and exhibits are being offered to support the development of RFP response submissions from potential respondents:

- RFP Attachment 2 – Aerial Exhibit (depicting location of Transit Sheds at IIPD Lake Calumet Terminal)
- RFP Attachment 3 – Rooftop Photos (Transit Sheds at IIPD Lake Calumet Terminal)
- RFP Attachment 4 – Roof Replacement Project Drawings for Transit Sheds 1 - 4
- RFP Attachment 5 – Photos of Transit Sheds 1 - 4 Electrical Equipment

- RFP Attachment 6 – Electrical Plan Drawings for Transit Sheds 1 - 4
- RFP Attachment 7 - Gandhi and Associates Report and Recommended Improvements (Phase 1)

All proposals and other communications must be addressed and returned to:

Erik Varela
Executive Director
Illinois International Port District
3600 E. 95th Street
95th and the Lakefront
Chicago, Illinois 60617-5193
iipd@iipd.com

PROPOSALS MUST BE RECEIVED NO LATER THAN 12:00 P.M., ON MARCH 11, 2026

“RFP ATTACHMENT 1”

PROJECT: DEVELOPMENT OF ROOFTOP SOLAR PHOTOVOLTAIC SYSTEMS AND BATTERY ENERGY STORAGE SYSTEMS AT THE IIPD

ACKNOWLEDGEMENT OF RFP AMENDMENTS / ADDENDA

By signing this RFP Attachment 1, the undersigned respondent acknowledges receipt of the following revisions and/or addenda to the RFQ for the above designated project which were issued under cover letter(s) of the date(s) shown hereon:

1. Addendum Number _____

2. Addendum Number _____

3. Addendum Number _____

4. Addendum Number _____

Signature

RFP ATTACHMENT 2

Aerial Exhibit Depicting Project Sites at IIPD Lake Calumet Terminal



- PROJECT SITES FOR ROOFTOP SOLAR (Location of Transit Sheds 1, 2, 3, 4)

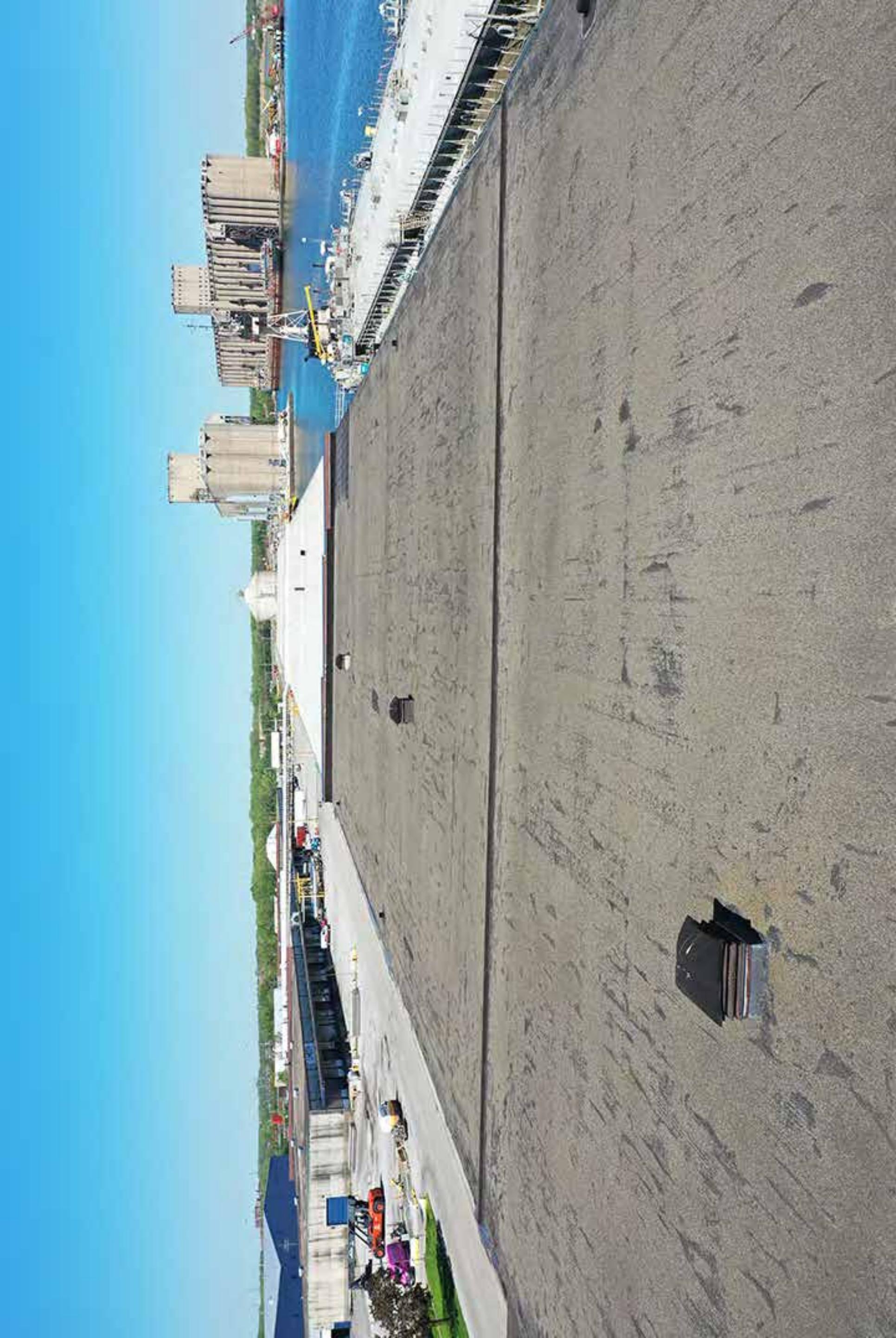


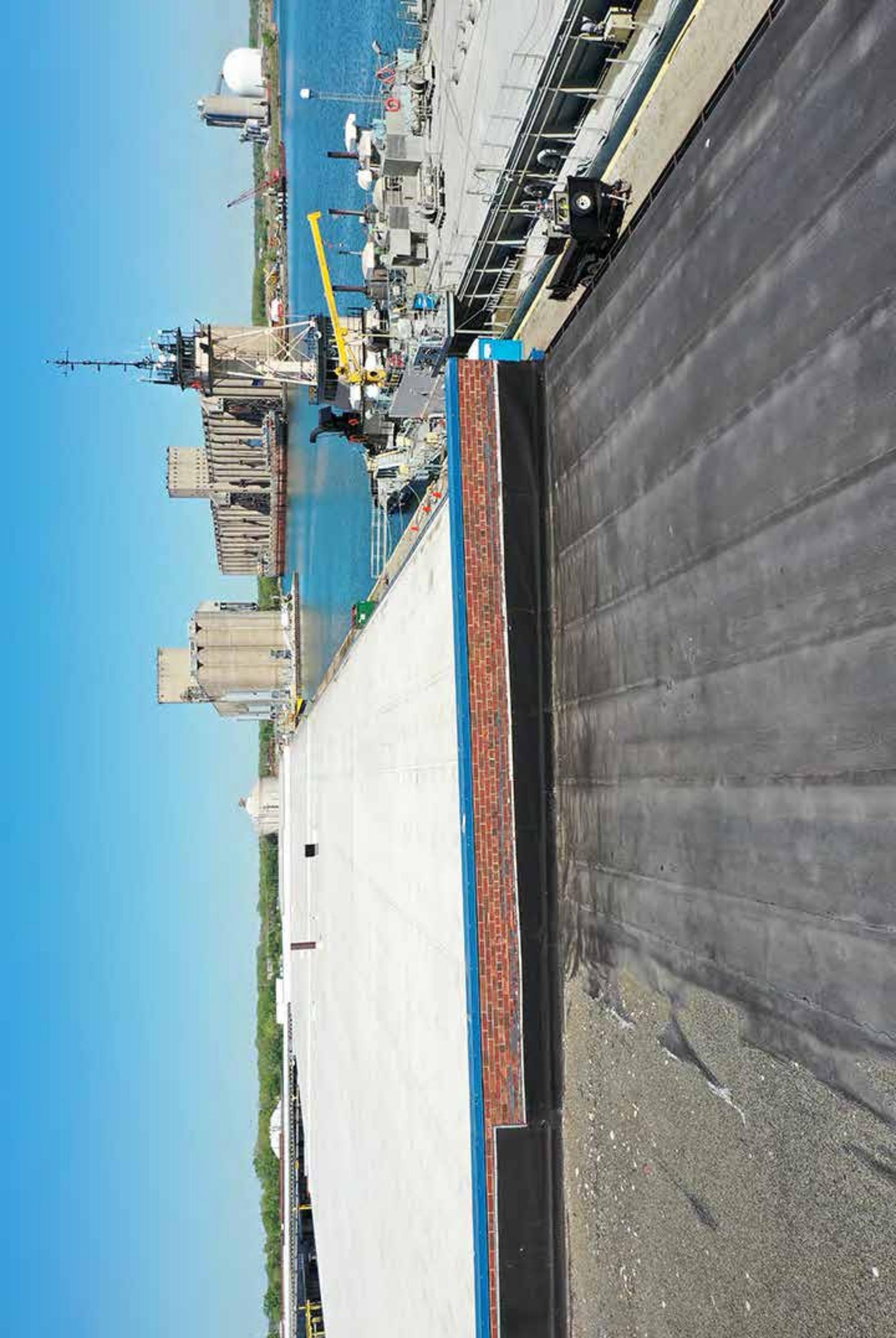
- POTENTIAL BESS SITING (Potential locations for BESS Installations)

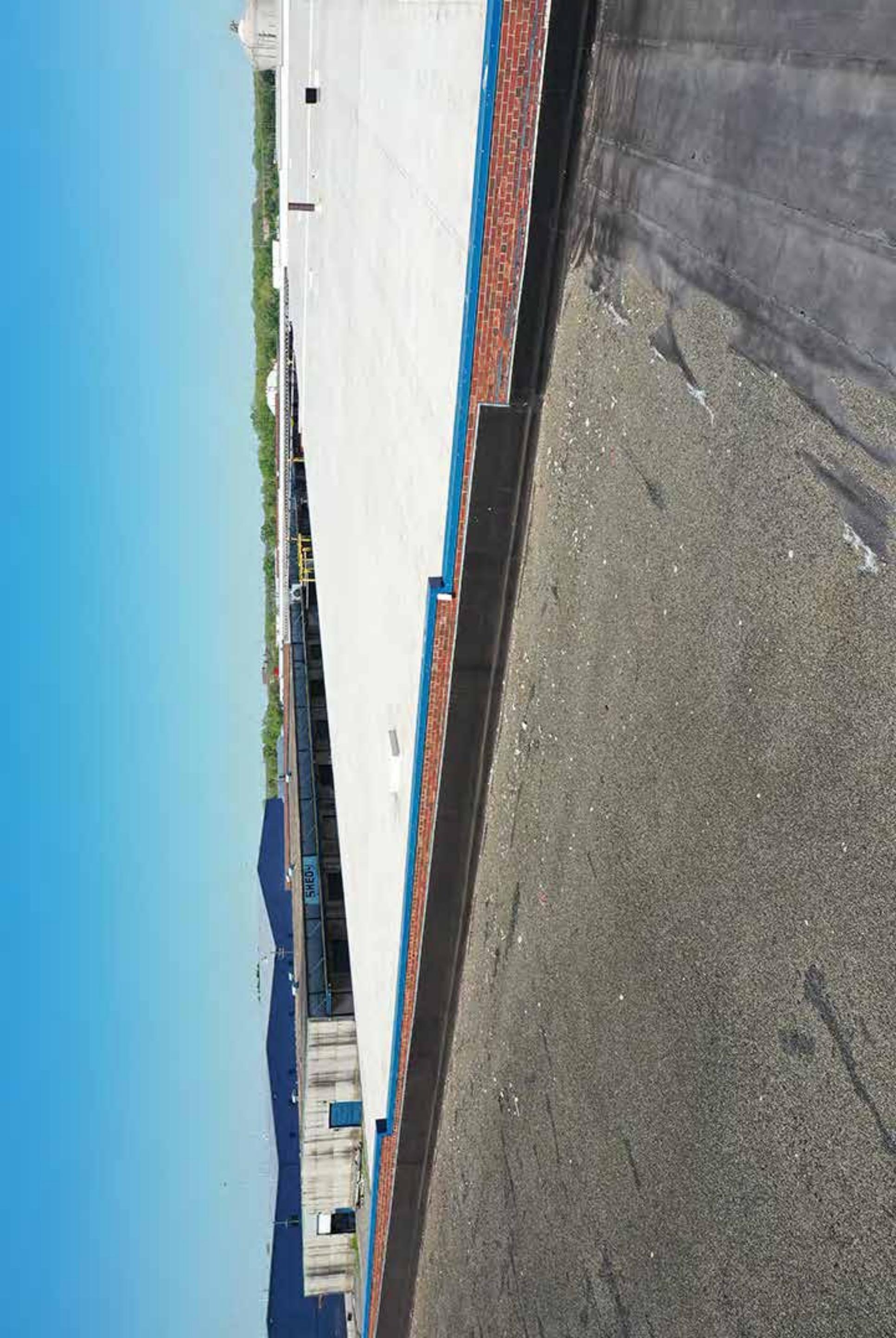
RFP ATTACHMENT 3

Rooftop Photos (Transit Sheds at IIPD Lake Calumet Terminal)

[See Following Pages]



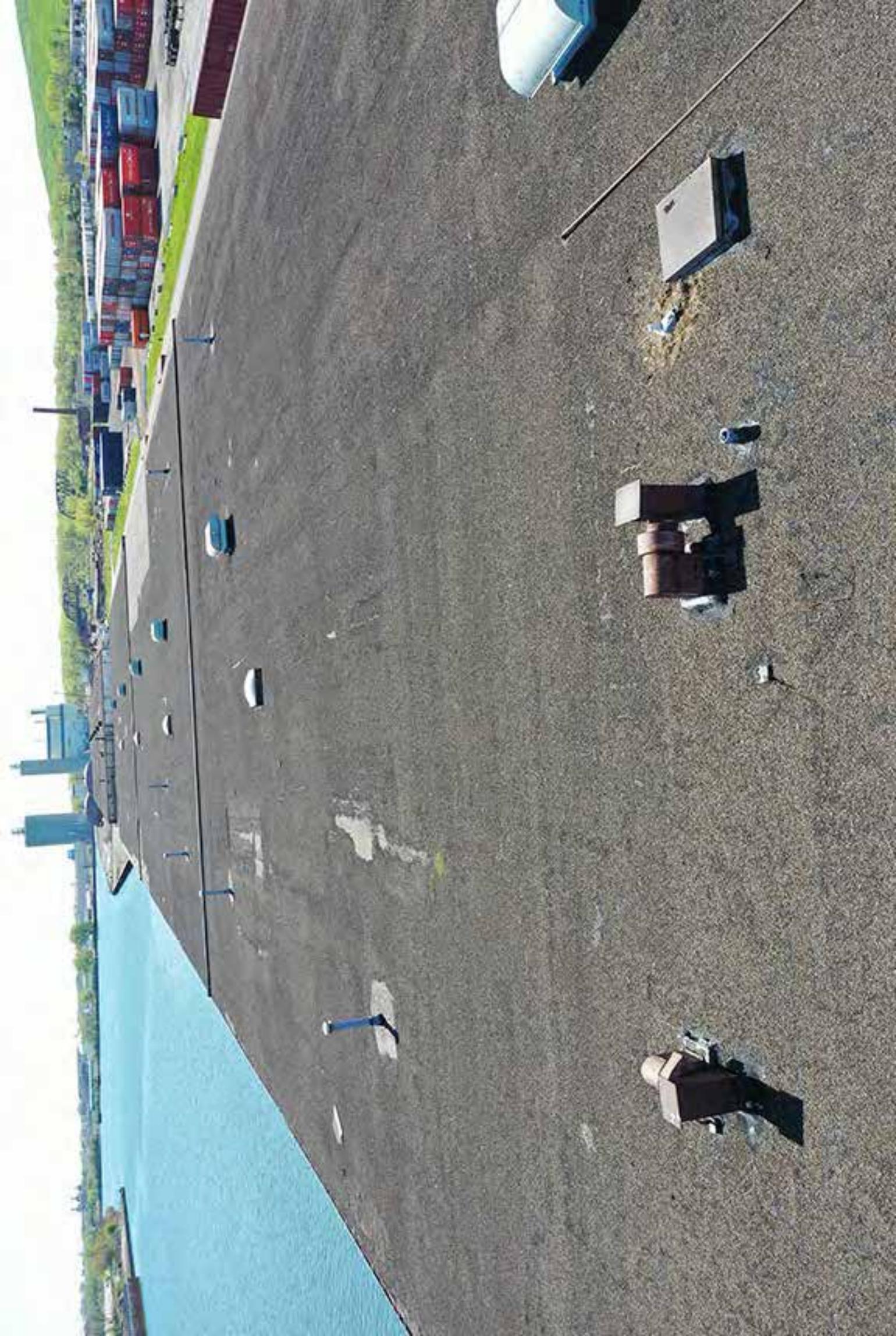








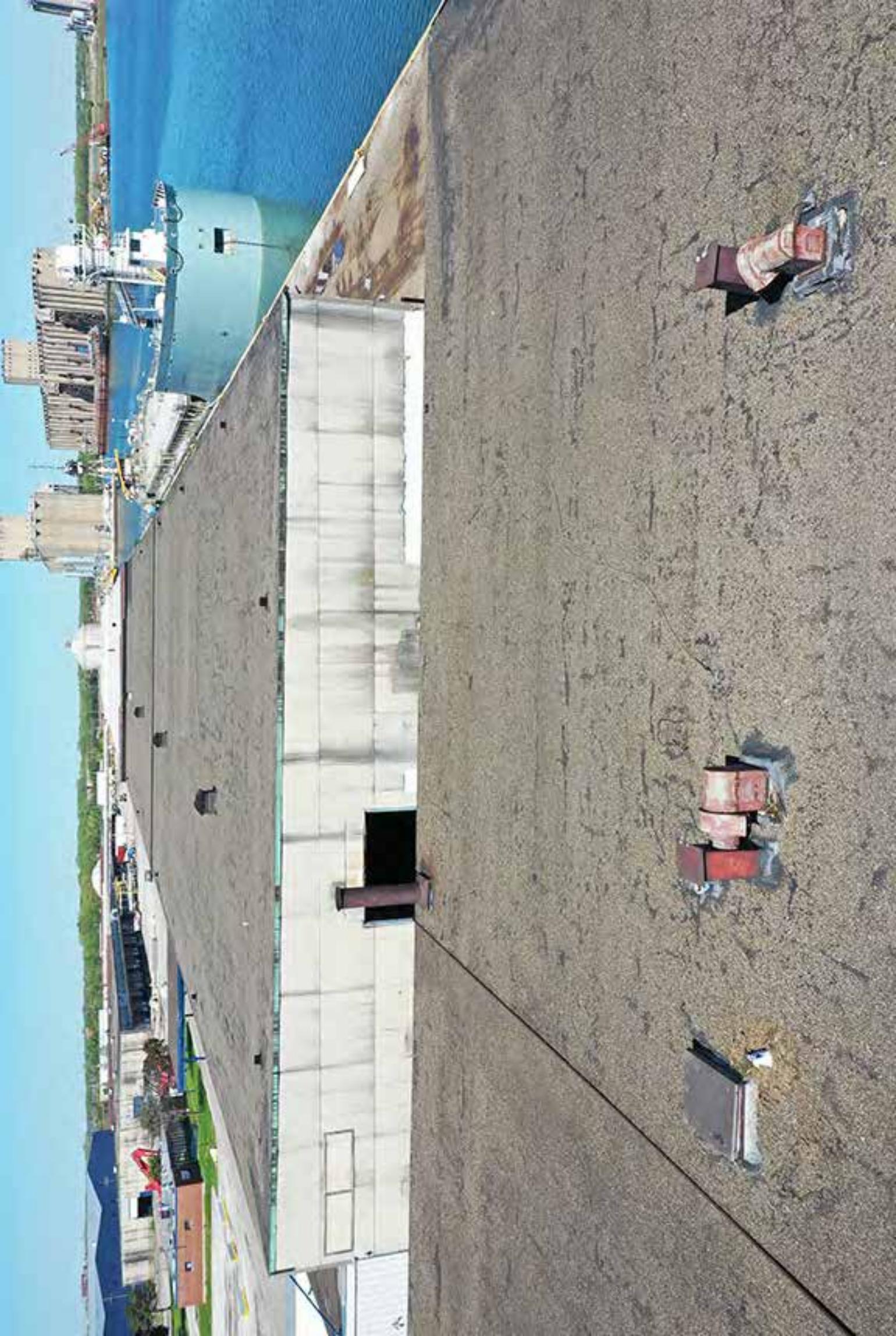
SHED 2 IMAGES











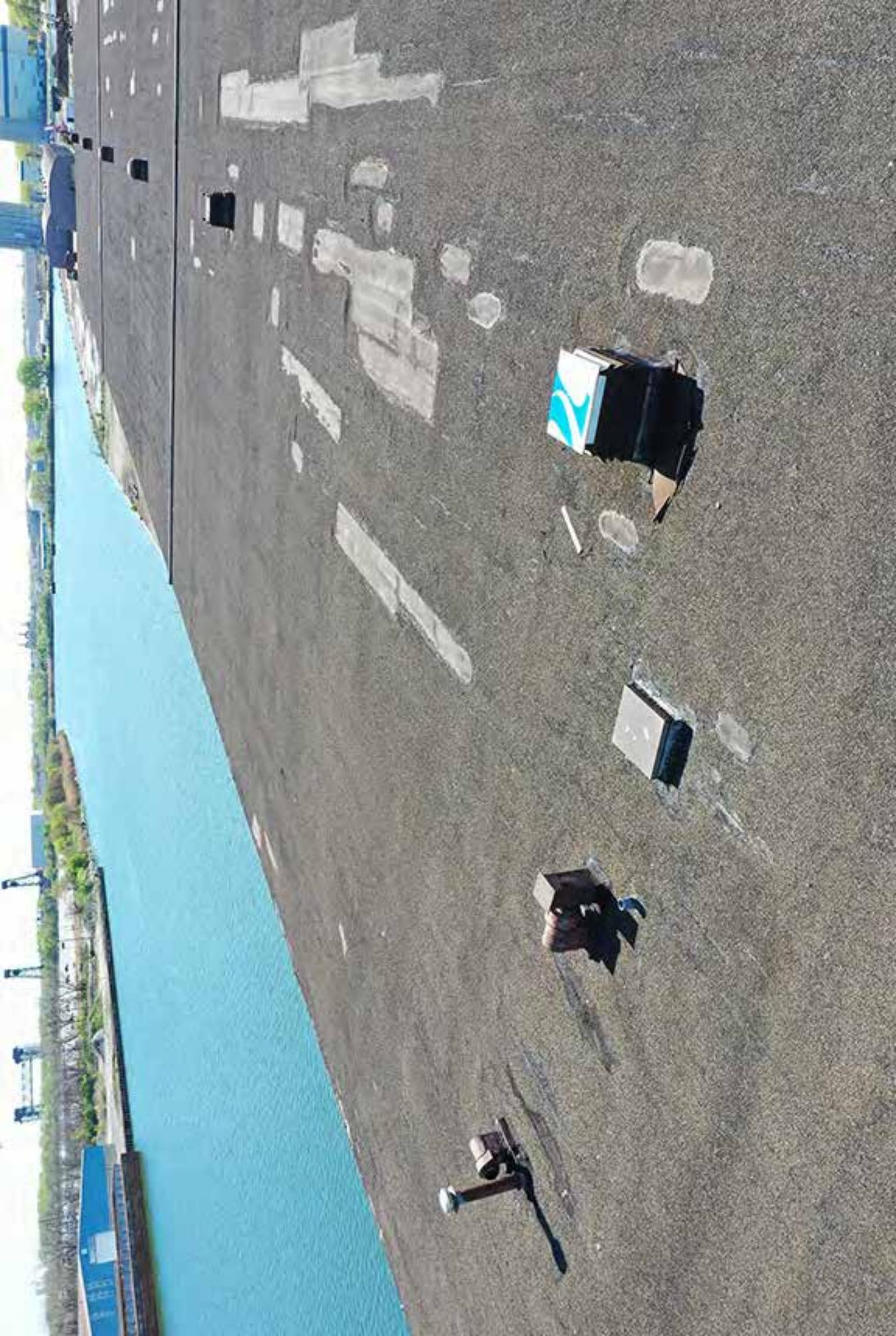


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SHED 3 IMAGES











RFP ATTACHMENT 4

Roof Replacement Project Drawings for Transit Sheds 1 - 4

[See Following Pages]

Illinois International Port District - Shed Roof Replacement

Calumet River Terminal Facility
12700 S. Butler Drive
Chicago, IL 60633

10/11/2024

ARCHITECT SIGNATURE: <i>[Signature]</i> DATE SIGNED: 11/15/2024 LICENSE EXPIRATION DATE: Exp. 11-30-2026 WIGHT & COMPANY	STRUCTURAL ENGINEER SIGNATURE: <i>[Signature]</i> DATE SIGNED: Exp. 11-07-2024 LICENSE EXPIRATION DATE: Exp. 11-30-2026 WIGHT & COMPANY	For a Municipal Project Submitted/Approved/Passed Signature & Date: <i>[Signature]</i> 5/20/25 Official Title: Executive Director
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SECTION NUMBER: 22-IIPD1-00-PT
STATE JOB NUMBER: C-91-040-23

DRAWING INDEX **PROJECT TEAM** **ABBREVIATIONS** **LOCATION MAP**

GENERAL
G0.00 COVER SHEET

ARCHITECTURAL
A0.01 BUILDING MAP AND DEMOLITION PLAN
A2.02 ROOF PLAN - SHED 4 (FIRE AREA 1 & 2)
A2.11 ROOF PLAN - SHED 4 (FIRE AREA 4)
A2.21 ROOF PLAN - SHED 2
A2.31 ROOF PLAN - SHED 3
A5.01 ROOF DETAILS
A5.02 ROOF DETAILS - CANOPY

STRUCTURAL
S0.01 GENERAL NOTES, STATEMENT OF SPECIAL INSPECTIONS & TYPICAL DETAILS
S2.01 ROOF FRAMING PLAN - SHED 4 (FIRE AREA 1 & 2)
S2.02 ROOF FRAMING PLAN - SHED 4 (FIRE AREA 4)
S2.11 ROOF FRAMING PLAN - SHED 1 (FIRE AREA 3)
S2.21 ROOF FRAMING PLAN - SHED 2
S2.31 ROOF FRAMING PLAN - SHED 3

PRIME CONSULTANT
SINGH + Associates
230 W. Monroe Street, Suite 1400
Chicago, IL, 60606
312-629-0240
Contact: Huu T. Ly, PE, Project Manager

ARCHITECT
WIGHT & COMPANY
2500 NORTH FRONTAGE ROAD
DARIEN, IL 60561
PHONE: (630)969-7000
CONTACT: 312-262-5715

ACCESS	ACCESSIBLE	MAS.	MASONRY
ACI.	AMERICAN CONCRETE	MFR.MAN	MANUFACTURER
ACU.	ACUSTICAL	UF.MANF.	FIBERBOARD
ACUST.	ACUSTICAL CEILING TILE	MDF	MEDIUM DENSITY FIBERBOARD
ADA	AMERICANS WITH DISABILITIES ACT	MIL	MILLIMETERS
A.F.F.	ABOVE FINISHED FLOOR	MIN.	MINIMUM
ALT.	ALTERNATE	MISC	MISCELLANEOUS
ALUM./AL.	ALUMINUM	MNO	MAGNETIC HOLD OPEN
APPROX.	APPROXIMATE	M.O.	MASONRY OPENING
ARCH.	ARCHITECTURAL	MTL.	METAL
ASTM.	AMERICAN SOCIETY FOR TESTING AND MATERIALS	NEC	NECESSARY
@	NOT IN CONTRACT	N.I.C.	NOT TO SCALE
AV	AUDIO VISUAL	NO.	NUMBER
BD.	BOARD	NTS	NOT TO SCALE
BLDG.	BUILDING	OC.	ON CENTER
BM	BEAM	OD.	OUTSIDE DIAMETER
B/O	BOTTOM OF	ORD.	OVERFLOW ROOF DRAIN
BK.	BREAK	P.B.	PIPE BOLLARD
CAB	CABINET	PERS.	PERSON
CC	CENTER TO CENTER	PLATE	PLATE
CD	CENTERLINE	PL.P.LAM.	PLASTIC LAMINATE
CJ	CONTROL JOINT	PLY	PLYWOOD
CMU	CONCRETE MASONRY UNITS	PP	DOOR ACTUATOR PUSH PLATE
COL.	COLUMN	P	POUNDS PER SQUARE FEET
CLG	CEILING	P.F.	POUNDS PER SQUARE INCH (PAINTED)
CLR.	CLEAR	P.T.	PRESSURE TREATED
CONC.	CONCRETE	RAD.	RADIUS
CONT.	CONTINUOUS	RCP	REFLECTED CEILING PLAN
CONTR.	CONTRACTOR	RD.	ROOF DRAIN
CORR.	CORRIDOR	RESTRM.	RESTROOM
CPT.	CARPET	RM.	ROOM
CR.	ACCESS CARD READER	R.O.	ROUGH OPENING
CR.	CERAMIC TILE	R.O.	ROUGH OPENING
DEMO	DEMOLITION	RTU.	ROOF TOP UNIT
DIA.	DIAMETER	SAFB	SOUND ATTENUATION FIBER BATT INSULATION
DIMS.	DIMENSIONS	SC.	SCHEMATIC DESIGN SCHEDULE
DN.	DOWN	SCHD./SC	SCHEDULE
DR.	DOOR	HE.D.	HEAVY DUTY
DS	DOWN SPOUT	SD	STEEL JOINT
DWGS.	DRAWINGS	S.F.	SQUARE FEET
EA.	EACH	SFFT.	STRUCTURAL GLAZED FACING TILE SHEET
EFS	EXTERIOR INSULATED FINISH SYSTEM	SHT.	SHEET METAL
EL.	ELEVATION	SM.	SIMILAR
ELEC.	ELECTRICAL	S.I.	STEEL JOINT INSTITUTE
E.J.	ELEVATOR	S.M.	SHEET METAL
E.O.	EXPANSION JOINT	SPA.	SPACES
E.Q.	EQUAL	SPEC.	SPECIFICATIONS
EQUIP.	EQUIPMENT	ST.	STONE TILE
EWC	ELECTRIC WATER COOLER	STC	SOUND TRANSMISSION COEFFICIENT
EXP	EXPANSION	STB.	STONE TILE BASE
EXT	EXTERIOR	STL.	STEEL
EXIST.	EXISTING	S	STEEL ANGLE
ETR	EXISTING TO REMAIN	ST.	STAINLESS STEEL
FD	FLOOR DRAIN	STL./SS	STAINLESS STEEL STORAGE
FEC	FIRE EXTINGUISHER CABINET	STOR.	STORAGE
FF	FACTORY FINISH	STRUCT.	STRUCTURAL
FN.	FINISHED	SV	SHEET VINYL
FL/FLR.	FLOOR	SYN	SYNTHETIC
FOUND.	FOUNDATION	T/	TOP OF
FT.	FOOTING	T/FTG.	TOP OF FOOTING
FTG.	FOOTING	TPNT	TEXTURED PAINT
G.A.	GALVE	TYP.	TYPICAL
GALV.	GALVANIZED	UNO.	UNLESS NOTED OTHERWISE
GWB / GYP. BD.	GYP. WALL BOARD	UNP.	UNFINISHED
HD	HEAVY DUTY	USGS.	UNITED STATES GEOLOGICAL SURVEY
HM	HOLLOW METAL	VB	VINYL BASE
HOR	HORIZONTAL	V.C.T.	VINYL COMPOSITION TILE
HP	HIGH POINT	VERT.	VERTICAL
HT/HGT.	HEIGHT	V.F.	VERTIFY IN FIELD
HVAC	HEATING, VENTILATION & AIR CONDITIONING	V.V.C.	VINYL WALL COVERING
IN.	INCH	WC	WATER CLOSET
INSUL.	INSULATED/INSULATION	WD	WOOD
INT	INTERIOR	W.	WOMENS
JT.	JOINT	W.	WITH
LAV	LAVATORY	WO	WITHOUT
LNO.	LINOLEUM	WOF.	WELDED WIRE FABRIC
LBS.	POUNDS		
LP	LOW POINT		
LVL.	LEVEL		
M	MENS		
MAT.	MATERIAL		
MAX.	MAXIMUM		



GRAPHIC SYMBOLS

<p>ENLARGED PLAN SYMBOL</p> <p>INTERIOR ELEVATION SYMBOL</p> <p>EXTERIOR ELEVATION SYMBOL</p> <p>WALL/BUILDING SECTION SYMBOL</p> <p>EXTERIOR MARK SYMBOL</p>	<p>WINDOW / STOREFRONT TAG SYMBOL</p> <p>DOOR TAG SYMBOL</p> <p>KEYNOTE TAG SYMBOL</p> <p>COLUMN GRID SYMBOL</p> <p>ROOM TAG SYMBOL</p> <p>PARTITION TYPE SYMBOL</p> <p>REVISION SYMBOL</p> <p>NORTH ARROW</p>
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PROJECT SCOPE

<p>TRANSIT SHED 01</p>	<p>TRANSIT SHED 02</p>	<p>TRANSIT SHED 03</p>	<p>TRANSIT SHED 04</p>
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<p>SCOPE OF WORK: Transit Shed 1</p> <ul style="list-style-type: none"> - REPLACE THE ROOF OF FIRE AREA 3 ONLY AS OUTLINED IN THE DOCUMENTS - REPAIR/REPLACE EXIST METAL DECK ON BUILDING ROOF AS REQUIRED - WRAP EAST SIDE FIRE WALL AT FIRE AREA 3 WITH ROOFING - REPLACE METAL CORNING ON FIRE WALL AT FIRE WALL 3 - REPLACE BUILDING GUTTERING AND DOWNSPOUTS FOR FIRE AREA 3 ON THE NORTH SIDE OF THE BUILDING - REPLACE ALL ROOF EDGE METAL GRAVEL STOP ON TWO SIDES OF FIRE AREA 3 	<p>SCOPE OF WORK: Transit Shed 2</p> <ul style="list-style-type: none"> - REPLACE ENTIRE ROOF SYSTEM ON BUILDING AS OUTLINED IN THE DOCUMENTS - REPAIR/REPLACE EXIST METAL DECK ON BUILDING ROOF AS REQUIRED - REPLACE BUILDING GUTTERING AND DOWNSPOUTS ON THE NORTH SIDE OF THE BUILDING - REPLACE ALL ROOF EDGE METAL GRAVEL STOP ON THREE SIDES OF OF BUILDING 	<p>SCOPE OF WORK: Transit Shed 3</p> <ul style="list-style-type: none"> - REPLACE ENTIRE ROOF SYSTEM ON BUILDING AS OUTLINED IN THE DOCUMENTS - REPAIR/REPLACE EXIST METAL DECK ON BUILDING ROOF AS REQUIRED - REPLACE BUILDING GUTTERING AND DOWNSPOUTS ON THE NORTH SIDE OF THE BUILDING - REPLACE ALL ROOF EDGE METAL GRAVEL STOP ON THREE SIDES OF OF BUILDING 	<p>SCOPE OF WORK: Back-Up Warehouse 4</p> <ul style="list-style-type: none"> - REPLACE THE ROOF OF FIRE AREA 1, 2, & 4 AS OUTLINED IN THE DOCUMENTS - REPAIR/REPLACE EXIST METAL DECK ON BUILDING ROOF AS REQUIRED - WRAP VERTICAL FACE OF FIRE WALLS ADJACENT TO FIRE AREA 1, 2, & 4 - REPLACE METAL CORNING ON FIRE WALLS 1, 2, & 4 - REPLACE BUILDING GUTTERING AND DOWNSPOUTS FOR FIRE AREA 3 ON THE NORTH SIDE OF THE BUILDING - REPLACE ALL ROOF EDGE METAL GRAVEL STOP ON ONE SIDE OF FIRE AREAS 1 & 4 - REPLACE THE ROOF AT NORTH AND SOUTH CANOPY ALONG THE ENTIRE LENGTH OF THE BUILDING - REPLACE ALL METAL DECKING AT FIRST (LOWEST) SPAN OF BOTH CANOPIES - REPAIR/REPLACE EXIST METAL DECK ELSEWHERE ON CANOPY ROOF AS REQUIRED - REPLACE ALL ROOF DRAINS AND ROOF DRAIN PANS AT CANOPY - PROVIDE ADDITIONAL MISCELLANEOUS METALS TO SUPPORT ROOF DRAIN PANS AS OUTLINED IN THE DOCUMENTS - REPLACE ALL ROOF EDGE METAL GRAVEL STOP ON OPEN SIDES OF BOTH CANOPIES - REPAIR/REPLACE ALL CANOPY DOWNSPOUTS FROM ROOF DRAIN TO CONNECTION TO UNDERGROUND STORM SEWER - REPAIR/REPLACE CANOPY DOWNSPOUT CRUSH PROTECTION AS OUTLINED IN THE DOCUMENTS
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MATERIAL LEGEND

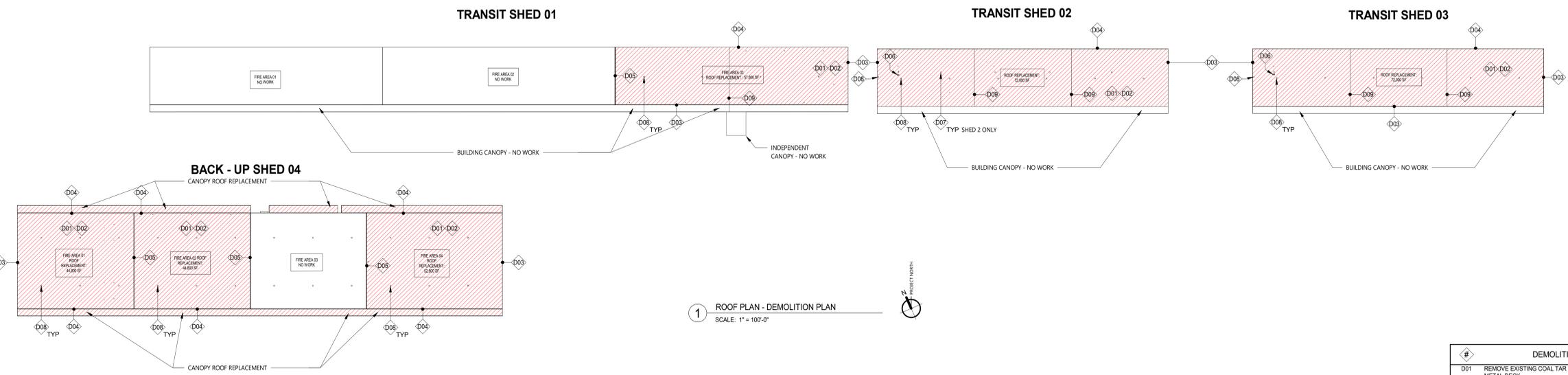
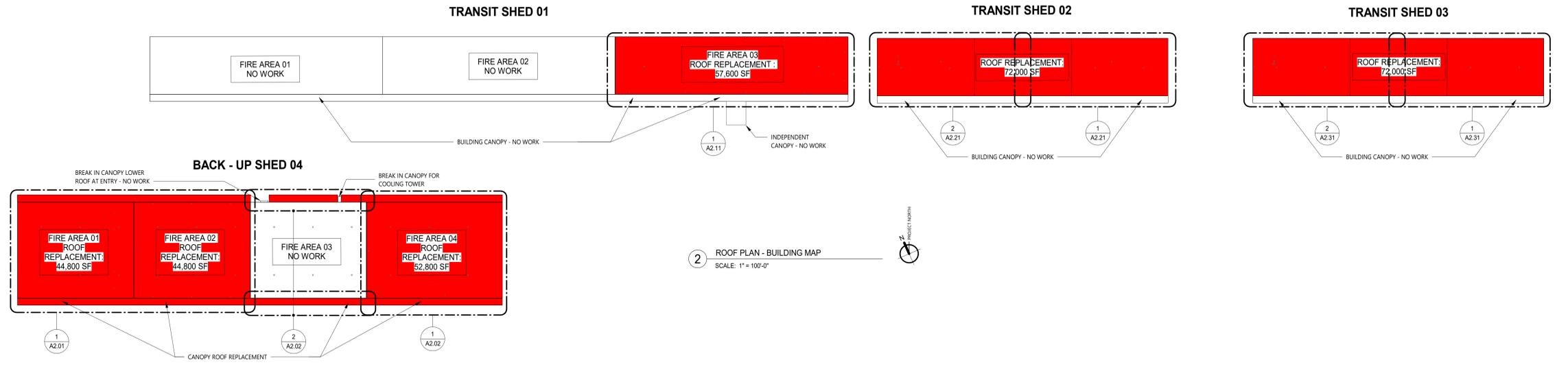
	GYP. BOARD		BRICK
	PLYWOOD		COMPRESSIBLE FILLER
	RIGID INSULATION		LIMESTONE
	STEEL		CONCRETE MASONRY UNITS
	EARTH		FINISH WOOD
	WOOD BLOCKING		COMPACTED FILL
	BATT INSULATION		CONCRETE

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BASE BID	ALTERNATE BID 1	ALTERNATE BID 2	ALTERNATE BID 3		ROOF AREA (SF)	CANOPY AREA (SF)	FIRE WALL PARAPET (SF)
X				SHED 4 - FIRE AREA 1	44800	6720	600
				SHED 4 - FIRE AREA 2	44800	6720	1200
				SHED 4 - FIRE AREA 3	0	6720	0
				SHED 4 - FIRE AREA 4	52800	7920	600
	X			SHED 1 - FIRE AREA 3	57600	NIC	360
		X		SHED 2	72000	NIC	0
			X	SHED 3	72000	NIC	0



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DEMOLITION KEY NOTES	
D01	REMOVE EXISTING COAL TAR AND GRAVEL ROOF SYSTEM DOWN TO THE METAL DECK
D02	REPLACE / OVERLAY ANY CORRUGATED METAL ROOF DECK AREAS WHICH ARE DETERIORATED, PITTED, OR OTHERWISE NOT SERVICEABLE TO THE ROOF SYSTEM
D03	REMOVE EXISTING GRAVEL STOP
D04	REMOVE EXISTING BREAK METAL GUTTER AND RAIN LEADERS. SOME RAIN LEADERS HAVE RECENTLY BEEN REPLACED AND SHOULD REMAIN.
D05	REMOVE FIREWALL COPING WHERE FIRE WALL PENETRATES THE ROOFING SYSTEM
D06	REMOVE EXISTING ROOF ACCESS HATCH. MAINTAIN OPENING FOR NEW ACCESS HATCH.
D07	EXISTING SKYLIGHTS TO REMAIN.
D08	REMOVE ALL ABANDONED OR DERELICT EQUIPMENT, FLUES, ACCESSORIES, PIPE VENTS, JACKETS AND PITCHOTS.
D09	REMOVE EXISTING EXPANSION JOINT COVER. MAINTAIN JOINT FOR FUTURE EXPANSION JOINT COVER.

ISSUE FOR BID
REV DESCRIPTION
DATE

ILLINOIS INT. PORT DIST. - SHED ROOF REPLACEMENT

Calumet River Terminal Facility
12700 S. Butler Drive
Chicago, IL 60633

BUILDING MAP AND DEMOLITION PLAN

Project Number:
240036
Drawn By:
JK
Sheet:

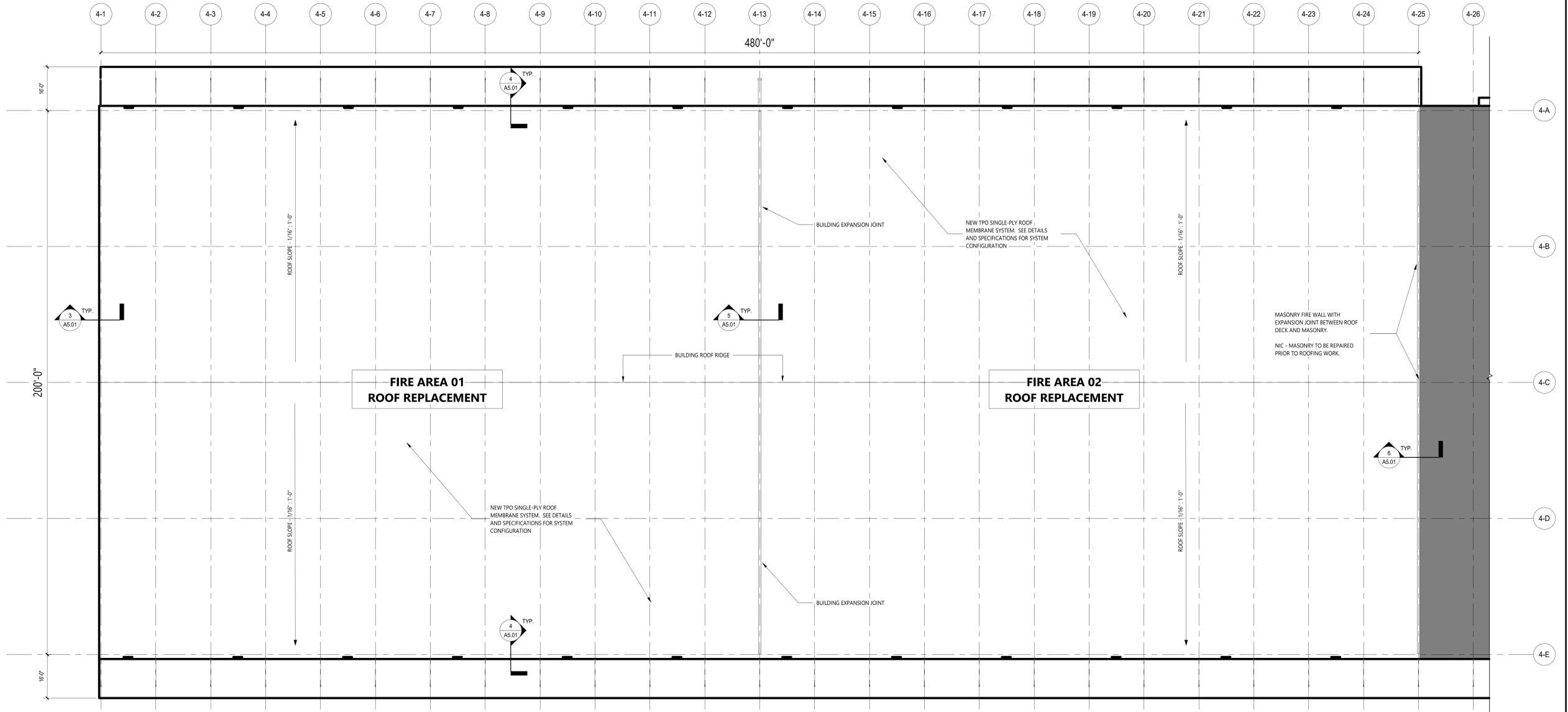
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BASE BID	ALTERNATE BID 1	ALTERNATE BID 2	ALTERNATE BID 3		ROOF AREA (SF)	CANOPY AREA (SF)	FIRE WALL PARAPET (SF)
X				SHED 4 - FIRE AREA 1	44800	6720	600
				SHED 4 - FIRE AREA 2	44800	6720	1200
				SHED 4 - FIRE AREA 3	0	6720	0
				SHED 4 - FIRE AREA 4	52800	7920	600
	X			SHED 1 - FIRE AREA 3	57600	NIC	360
		X		SHED 2	72000	NIC	0
			X	SHED 3	72000	NIC	0



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Darien, IL 60561
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1 ROOF PLAN - SHED 4 FIRE AREA 1 & 2
SCALE: 1/16" = 1'-0"

- GENERAL NOTES
- THE CONSTRUCTION DOCUMENTS INDICATE THE OVERALL AREAS OF WORK. INCIDENTAL WORK ASSOCIATED BUT NOT SHOWN ON THE CONSTRUCTION DOCUMENTS MAY BE REQUIRED OUTSIDE THE PROJECT AREAS. THIS WORK IS PART OF THE CONSTRUCTION CONTRACT AND IS TO BE COMPLETED IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
 - WHEN THE REMOVAL OF EXISTING SURFACE MATERIAL IS REQUIRED TO COMPLETE CONTRACT WORK AND A NEW FINISH IS NOT SCHEDULED, PATCH/REPAIR AND PRIME THE AFFECTED SURFACE TO RECEIVE NEW FINISH.

REV	DESCRIPTION	DATE
ISSUE FOR BID		10/11/2024

ILLINOIS INT. PORT DIST. - SHED ROOF REPLACEMENT

Calumet River Terminal Facility
12700 S. Butler Drive
Chicago, IL 60633

ROOF PLAN - SHED 4 (FIRE AREA 1 & 2)

Project Number:
240036
Drawn By:
JK
Sheet:

A2.01

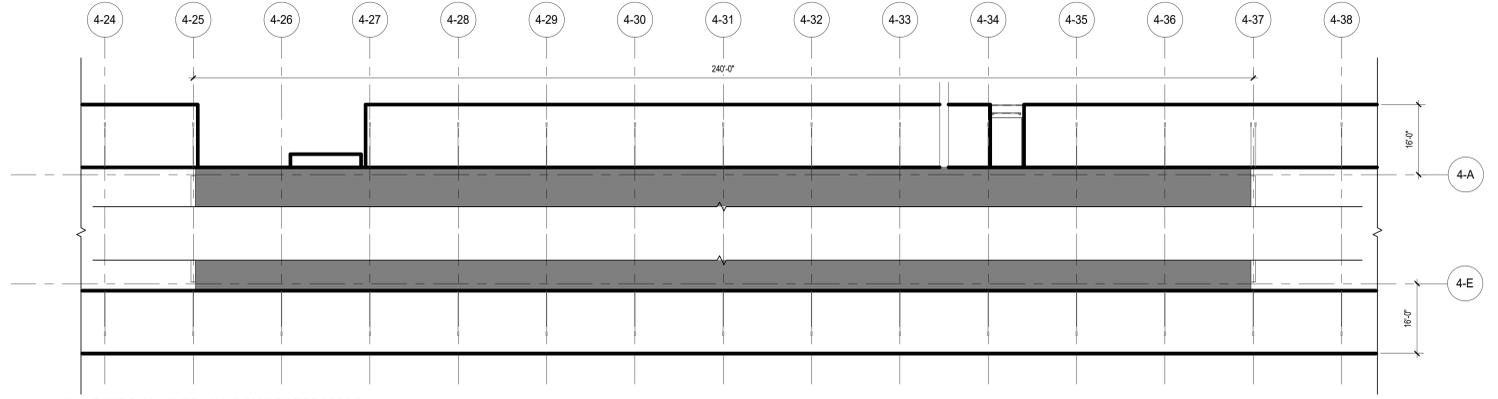
10/10/2024 9:59:46 AM
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				SHED 4 - FIRE AREA 2	44800	6720	1200
				SHED 4 - FIRE AREA 3	0	6720	0
				SHED 4 - FIRE AREA 4	52800	7920	600
	X			SHED 1 - FIRE AREA 3	57600	NIC	360
		X		SHED 2	72000	NIC	0
			X	SHED 3	72000	NIC	0

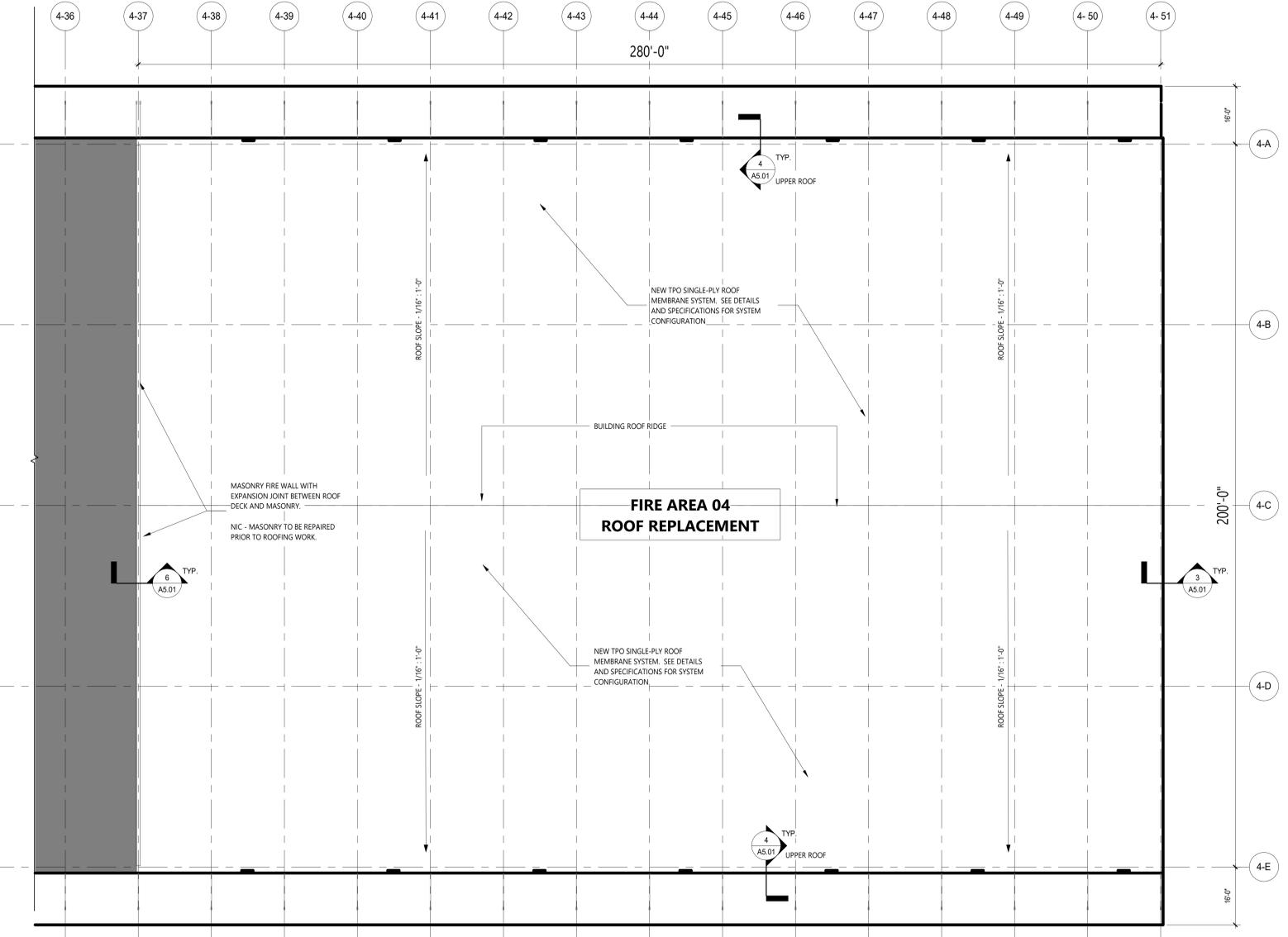
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2 ROOF PLAN - SHED 4 N & S CANOPY FIRE AREA 3
SCALE: 1/16" = 1'-0"



1 ROOF PLAN - SHED 4 FIRE AREA 4
SCALE: 1/16" = 1'-0"

- GENERAL NOTES
1. THE CONSTRUCTION DOCUMENTS INDICATE THE OVERALL AREAS OF WORK. INCIDENTAL WORK ASSOCIATED BUT NOT SHOWN ON THE CONSTRUCTION DOCUMENTS MAY BE REQUIRED OUTSIDE THE PROJECT AREAS. THIS WORK IS PART OF THE CONSTRUCTION CONTRACT AND IS TO BE COMPLETED IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
 2. WHEN THE REMOVAL OF EXISTING SURFACE MATERIAL IS REQUIRED TO COMPLETE CONTRACT WORK AND A NEW FINISH IS NOT SCHEDULED, PATCH/REPAIR AND PRIME THE AFFECTED SURFACE TO RECEIVE NEW FINISH.

REV	DESCRIPTION	DATE
ISSUE FOR BID		10/11/2024

ILLINOIS INT. PORT DIST. - SHED ROOF REPLACEMENT

Calumet River Terminal Facility
12700 S. Butler Drive
Chicago, IL 60633

ROOF PLAN - SHED 4 (FIRE AREA 4)

Project Number:
240036
Drawn By:
JK
Sheet:

A2.02

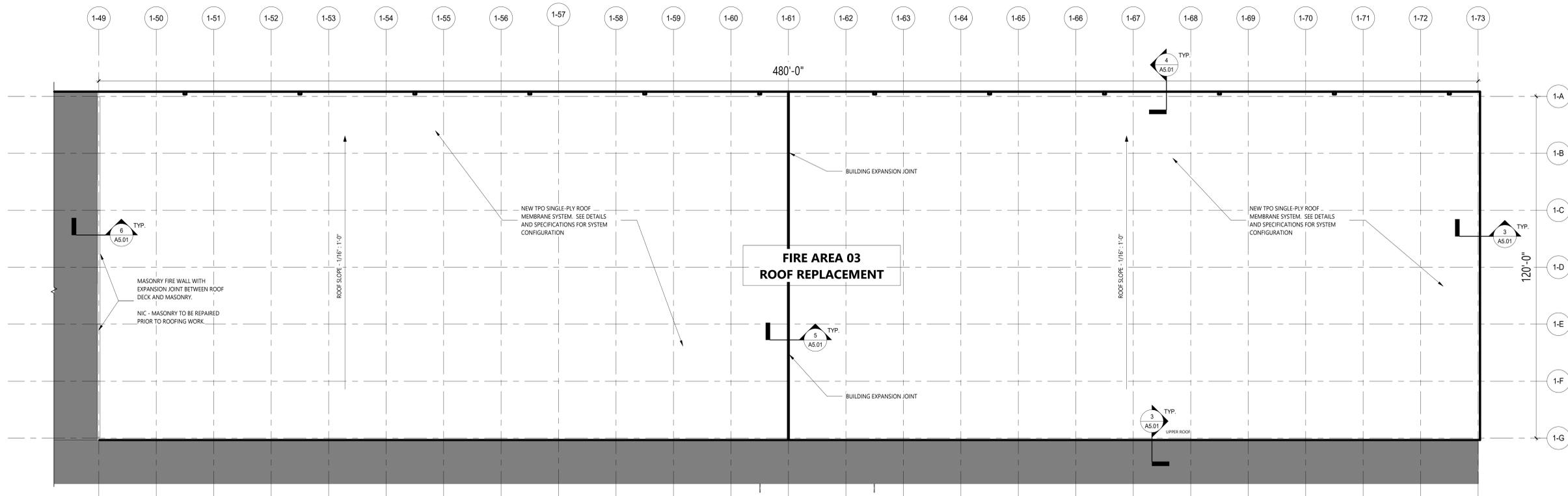
10/10/2024 9:59:49 AM C:\Users\jshin\Desktop\Revit Documents\240036_Port Authority Shed Roof Replacement_ARCH_2024_10\10\SRCL.dwg Wight & Co. © Copyright 2016 All rights reserved. No part of these documents may be reproduced, stored, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written consent of Wight & Co.

BASE BID	ALTERNATE BID 1	ALTERNATE BID 2	ALTERNATE BID 3		ROOF AREA (SF)	CANOPY AREA (SF)	FIRE WALL PARAPET (SF)
X				SHED 4 - FIRE AREA 1	44800	6720	600
				SHED 4 - FIRE AREA 2	44800	6720	1200
				SHED 4 - FIRE AREA 3	0	6720	0
				SHED 4 - FIRE AREA 4	52800	7920	600
	X			SHED 1 - FIRE AREA 3	57600	NIC	360
		X		SHED 2	72000	NIC	0
			X	SHED 3	72000	NIC	0

SINGH

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F 630.969.7979



1 ROOF PLAN - SHED 1 FIRE AREA 3
SCALE: 1/16" = 1'-0"

- GENERAL NOTES**
- THE CONSTRUCTION DOCUMENTS INDICATE THE OVERALL AREAS OF WORK. INCIDENTAL WORK ASSOCIATED BUT NOT SHOWN ON THE CONSTRUCTION DOCUMENTS MAY BE REQUIRED OUTSIDE THE PROJECT AREAS. THIS WORK IS PART OF THE CONSTRUCTION CONTRACT AND IS TO BE COMPLETED IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
 - WHEN THE REMOVAL OF EXISTING SURFACE MATERIAL IS REQUIRED TO COMPLETE CONTRACT WORK AND A NEW FINISH IS NOT SCHEDULED, PATCH/REPAIR AND PRIME THE AFFECTED SURFACE TO RECEIVE NEW FINISH.

ISSUE FOR BID 10/11/2024
REV DESCRIPTION DATE

ILLINOIS INT. PORT DIST. - SHED ROOF REPLACEMENT

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12700 S. Butler Drive
Chicago, IL 60633

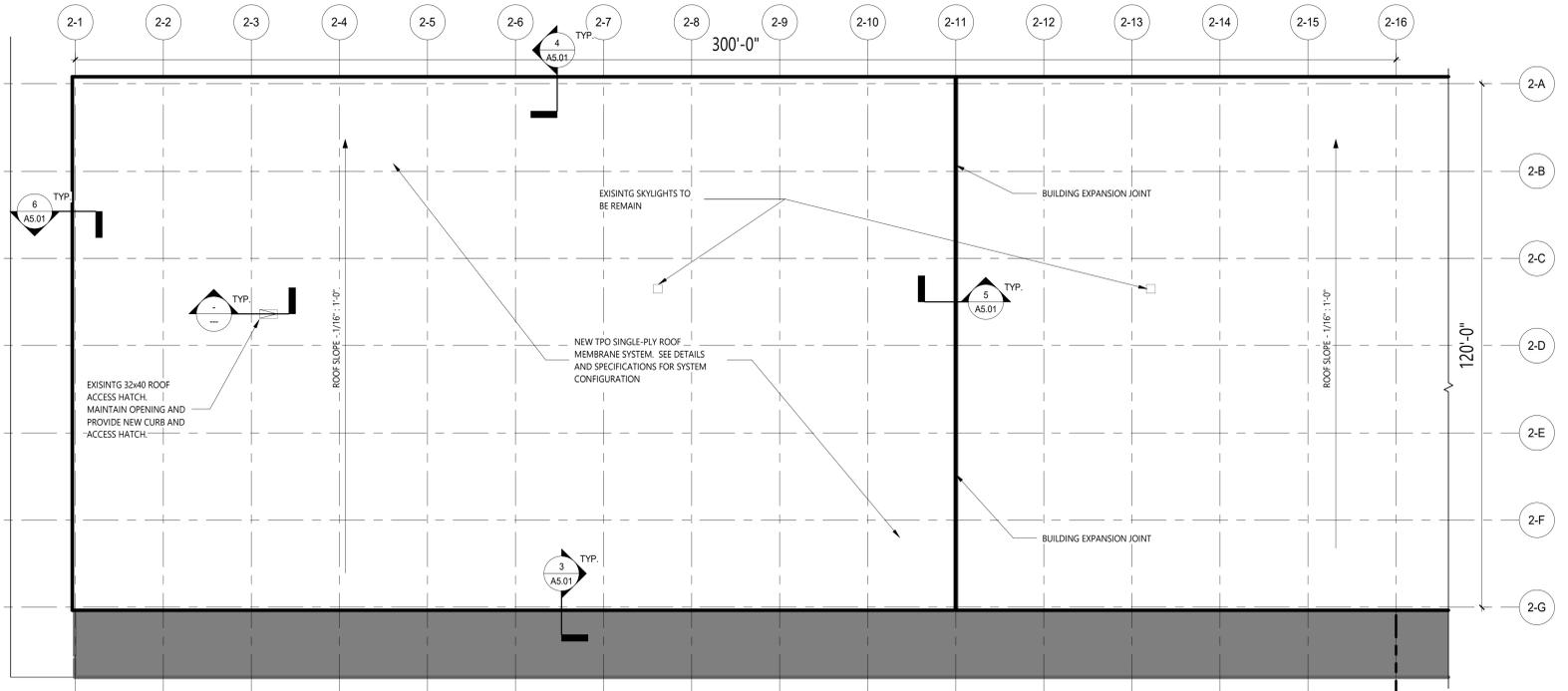
ROOF PLAN - SHED 1 (FIRE AREA 3)

Project Number:
240036
Drawn By:
JK
Sheet:

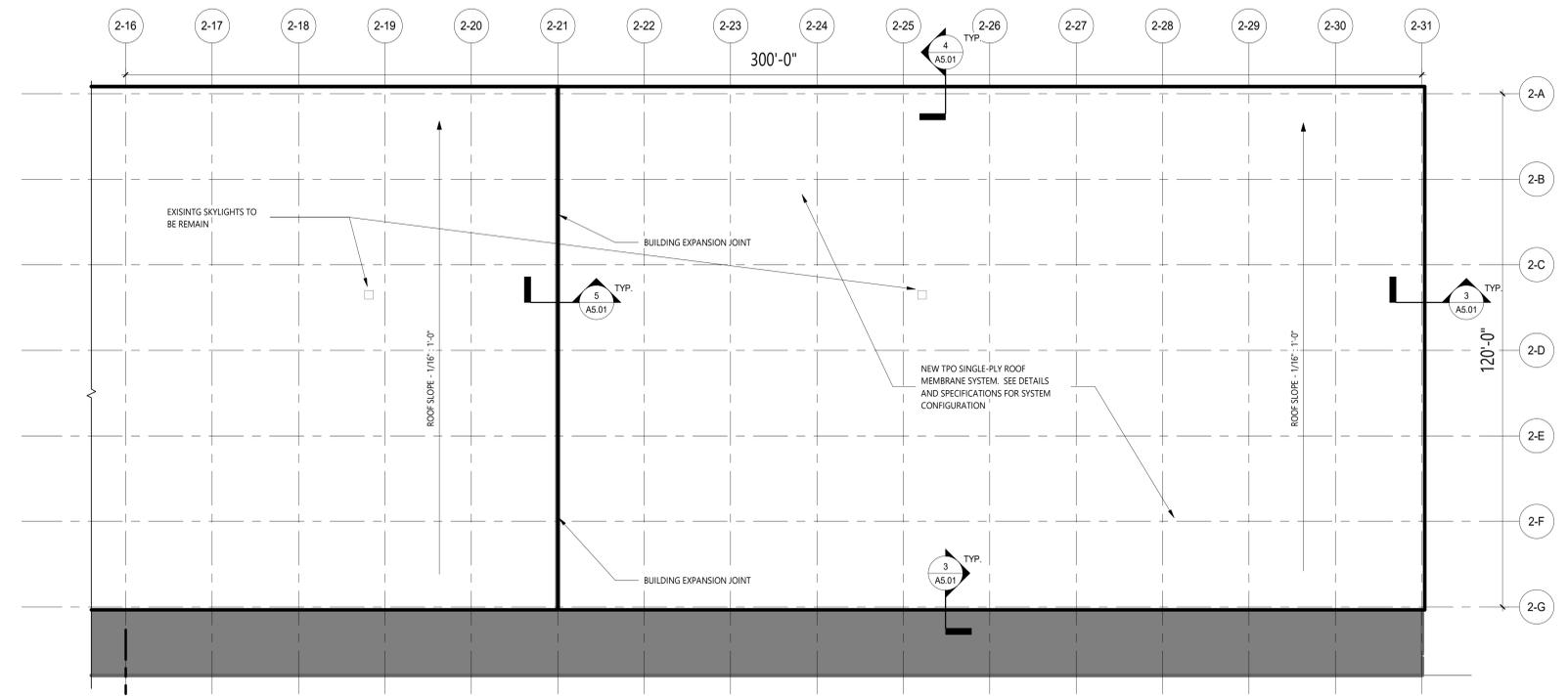
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BASE BID	ALTERNATE BID 1	ALTERNATE BID 2	ALTERNATE BID 3		ROOF AREA (SF)	CANOPY AREA (SF)	FIRE WALL PARAPET (SF)
X				SHED 4 - FIRE AREA 1	44800	6720	600
				SHED 4 - FIRE AREA 2	44800	6720	1200
				SHED 4 - FIRE AREA 3	0	6720	0
				SHED 4 - FIRE AREA 4	52800	7920	600
	X			SHED 1 - FIRE AREA 3	57600	NIC	360
		X		SHED 2	72000	NIC	0
			X	SHED 3	72000	NIC	0



2 ROOF PLAN - SHED 2 - A
SCALE: 1/16" = 1'-0"



1 ROOF PLAN - SHED 2 - B
SCALE: 1/16" = 1'-0"

- GENERAL NOTES**
- THE CONSTRUCTION DOCUMENTS INDICATE THE OVERALL AREAS OF WORK. INCIDENTAL WORK ASSOCIATED BUT NOT SHOWN ON THE CONSTRUCTION DOCUMENTS MAY BE REQUIRED OUTSIDE THE PROJECT AREAS. THIS WORK IS PART OF THE CONSTRUCTION CONTRACT AND IS TO BE COMPLETED IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
 - WHEN THE REMOVAL OF EXISTING SURFACE MATERIAL IS REQUIRED TO COMPLETE CONTRACT WORK AND A NEW FINISH IS NOT SCHEDULED, PATCH/REPAIR AND PRIME THE AFFECTED SURFACE TO RECEIVE NEW FINISH.

SINGH

Wight

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wightco.com
2500 North Frontage Road
Darien, IL 60561
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F 630.969.7979

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DATE

**ILLINOIS INT. PORT
DIST. - SHED ROOF
REPLACEMENT**

Calumet River Terminal Facility
12700 S. Butler Drive
Chicago, IL 60633

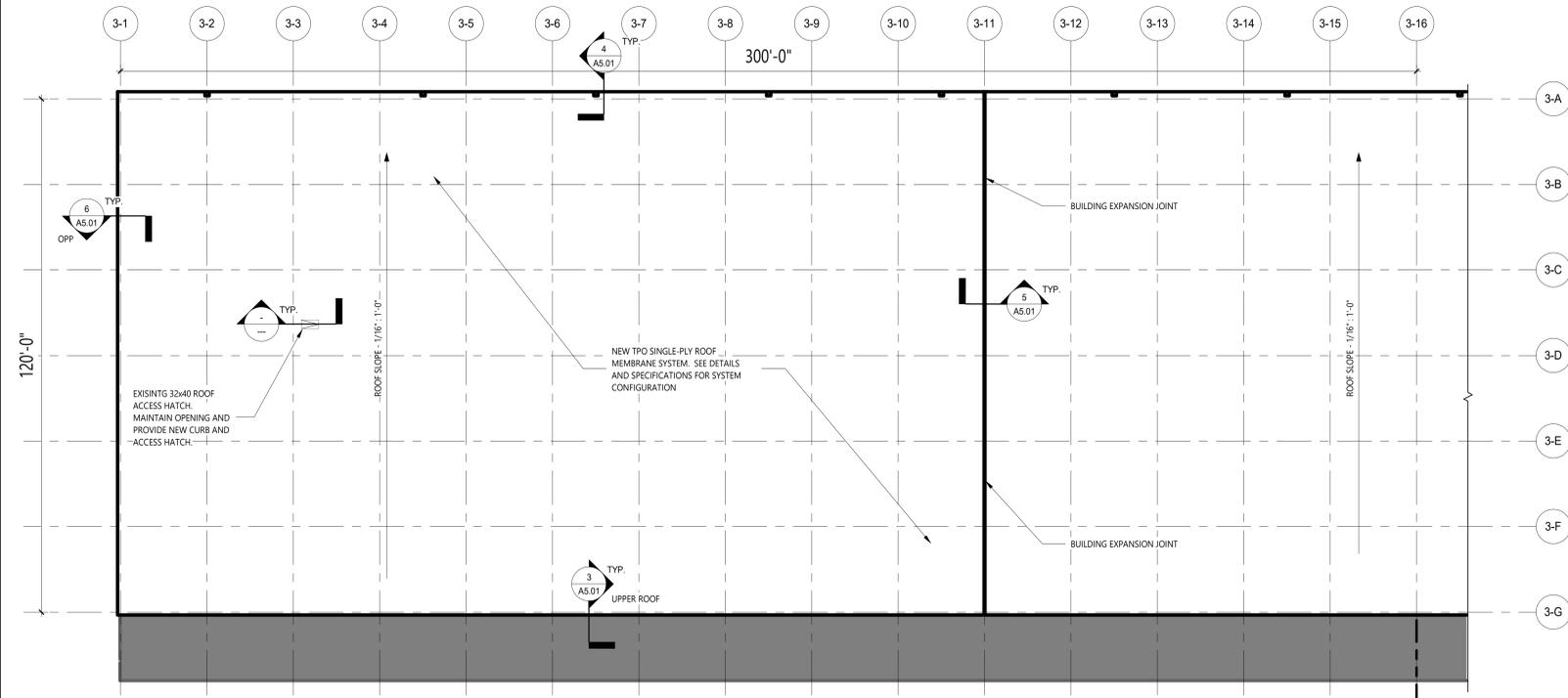
ROOF PLAN - SHED 2

Project Number:
240036
Drawn By:
JK
Sheet:

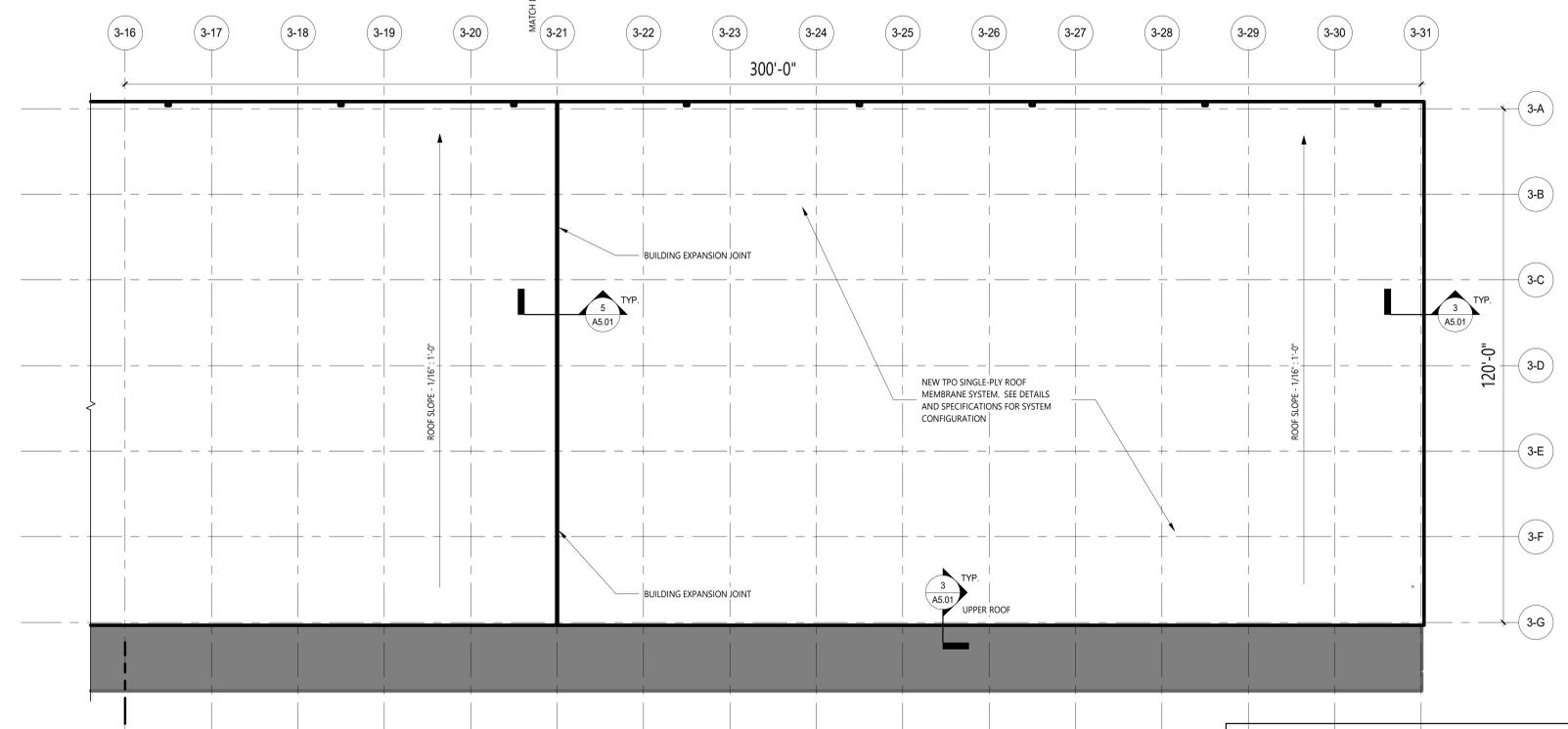
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10/11/2024 9:59:40 AM C:\Users\jshind\Desktop\Revit Documents\240036_Port Authority Shed Roof Replacement_ARCH_2024_10\11\SRCL.dwg Wight & Co. © Copyright 2016 All rights reserved. No part of these documents may be reproduced, stored, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written consent of Wight & Co.

BASE BID	ALTERNATE BID 1	ALTERNATE BID 2	ALTERNATE BID 3		ROOF AREA (SF)	CANOPY AREA (SF)	FIRE WALL PARAPET (SF)
X				SHED 4 - FIRE AREA 1	44800	6720	600
				SHED 4 - FIRE AREA 2	44800	6720	1200
				SHED 4 - FIRE AREA 3	0	6720	0
				SHED 4 - FIRE AREA 4	52800	7920	600
	X			SHED 1 - FIRE AREA 3	57600	NIC	360
		X		SHED 2	72000	NIC	0
			X	SHED 3	72000	NIC	0



2 ROOF PLAN - SHED 3 - A
SCALE: 1/16" = 1'-0"



1 ROOF PLAN - SHED 3 - B
SCALE: 1/16" = 1'-0"

- GENERAL NOTES**
1. THE CONSTRUCTION DOCUMENTS INDICATE THE OVERALL AREAS OF WORK. INCIDENTAL WORK ASSOCIATED BUT NOT SHOWN ON THE CONSTRUCTION DOCUMENTS MAY BE REQUIRED OUTSIDE THE PROJECT AREAS. THIS WORK IS PART OF THE CONSTRUCTION CONTRACT AND IS TO BE COMPLETED IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
 2. WHEN THE REMOVAL OF EXISTING SURFACE MATERIAL IS REQUIRED TO COMPLETE CONTRACT WORK AND A NEW FINISH IS NOT SCHEDULED, PATCH/REPAIR AND PRIME THE AFFECTED SURFACE TO RECEIVE NEW FINISH.

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**ILLINOIS INT. PORT
DIST. - SHED ROOF
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Chicago, IL 60633

ROOF PLAN - SHED 3

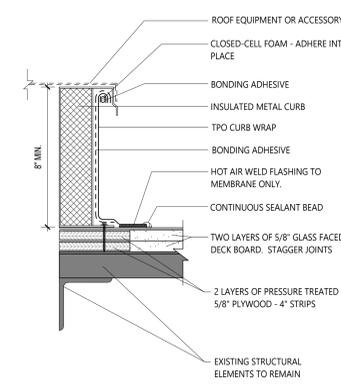
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Drawn By:
JK

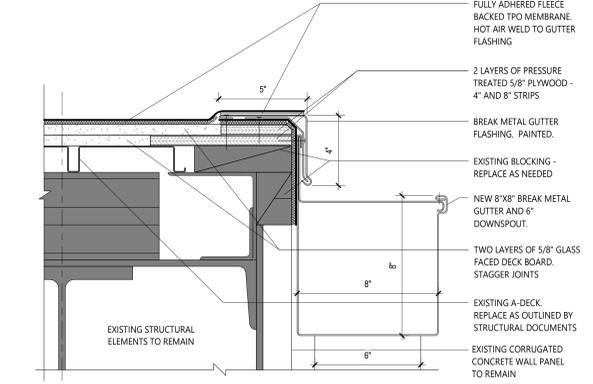
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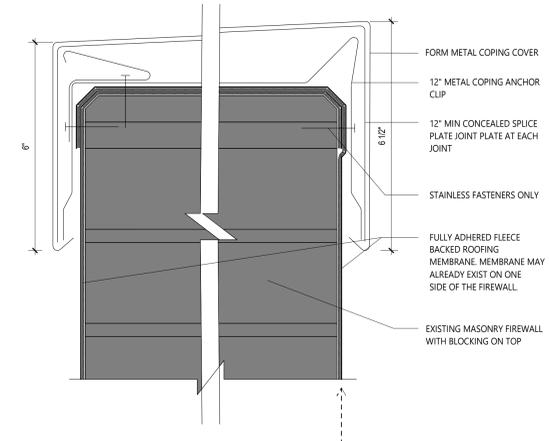
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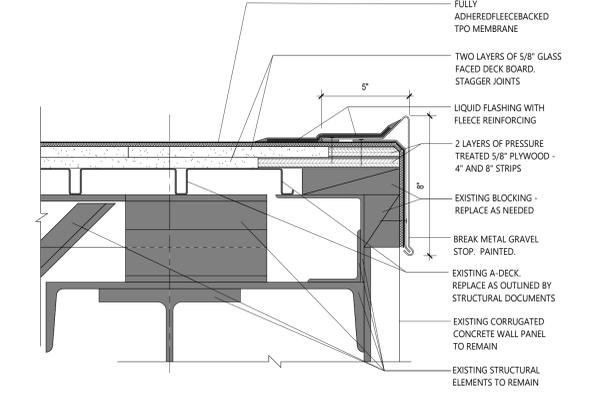
8 TYPICAL CURB DETAIL
SCALE: 3" = 1'-0"



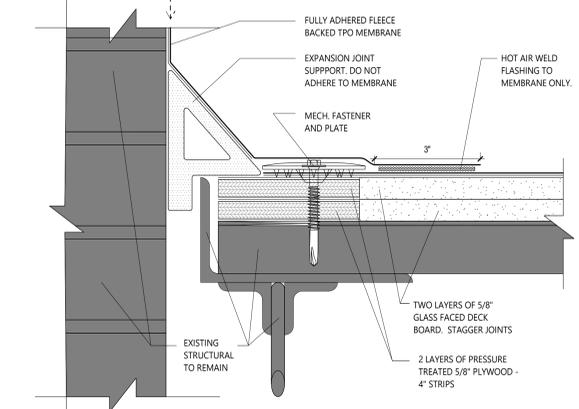
4 TYPICAL GUTTER DETAIL
SCALE: 3" = 1'-0"



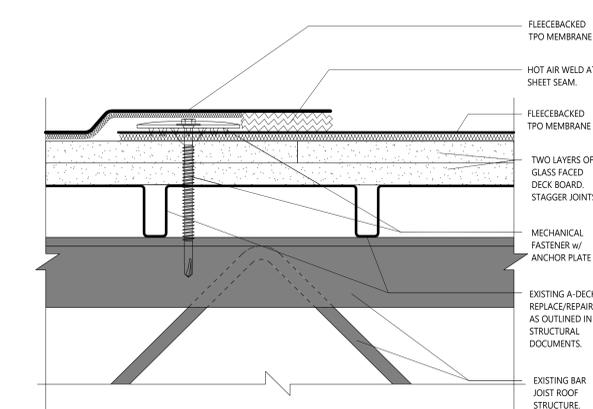
6 TYPICAL EXPANSION JOINT AT WALL DETAIL
SCALE: 6" = 1'-0"



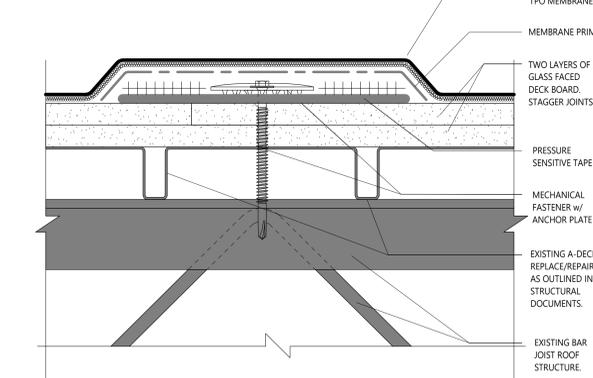
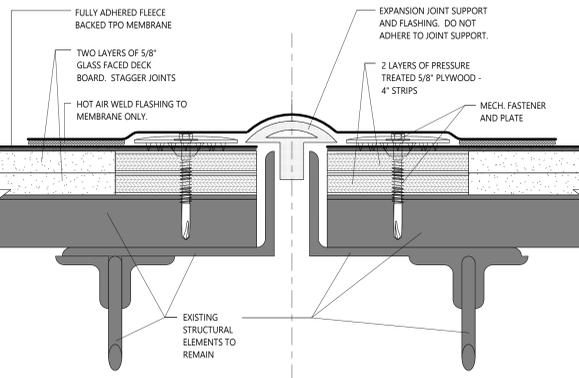
3 TYPICAL GRAVEL STOP DETAIL
SCALE: 3" = 1'-0"



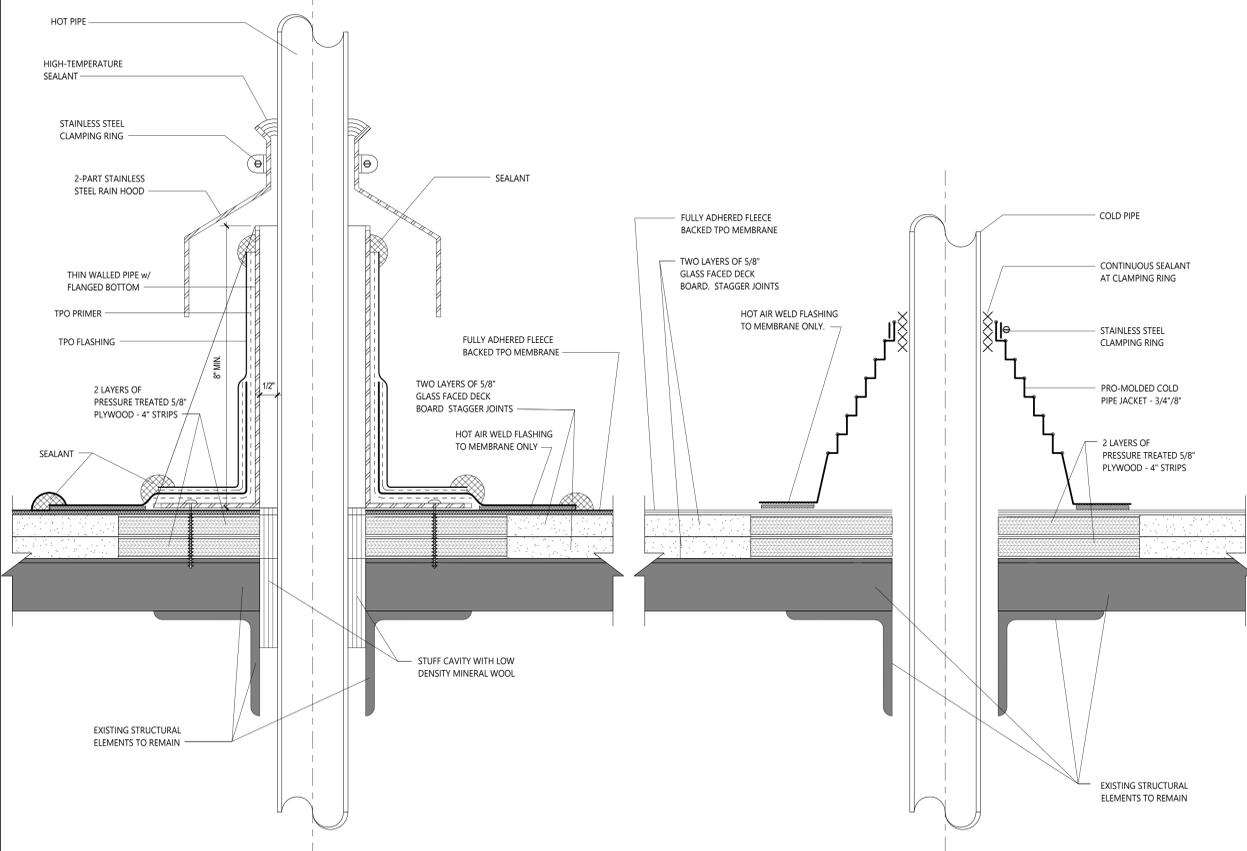
5 TYPICAL EXPANSION JOINT DETAIL
SCALE: 6" = 1'-0"



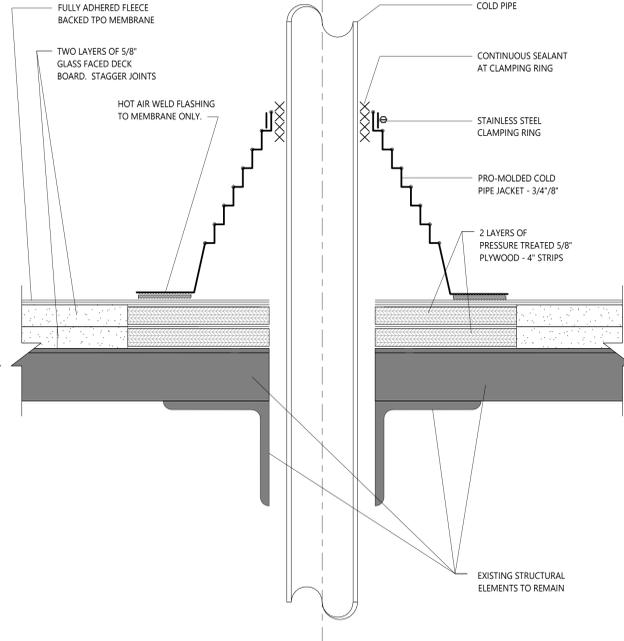
2 TYPICAL ROOFING SYSTEM CONFIGURATION 2
SCALE: 6" = 1'-0"



1 TYPICAL ROOFING SYSTEM CONFIGURATION 1
SCALE: 6" = 1'-0"



13 TYPICAL HOT PIPE JACKET - SHED 2 & 4
SCALE: 6" = 1'-0"



9 TYPICAL PIPE JACKET
SCALE: 6" = 1'-0"

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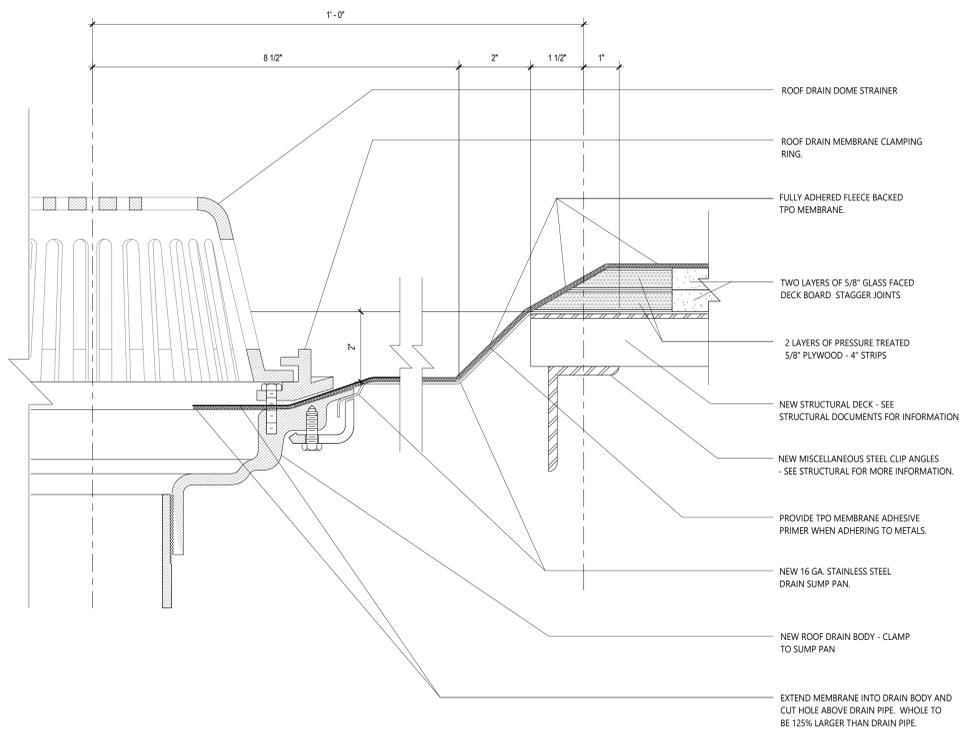
ILLINOIS INT. PORT DIST. - SHED ROOF REPLACEMENT

Calumet River Terminal Facility
12700 S. Butler Drive
Chicago, IL 60633

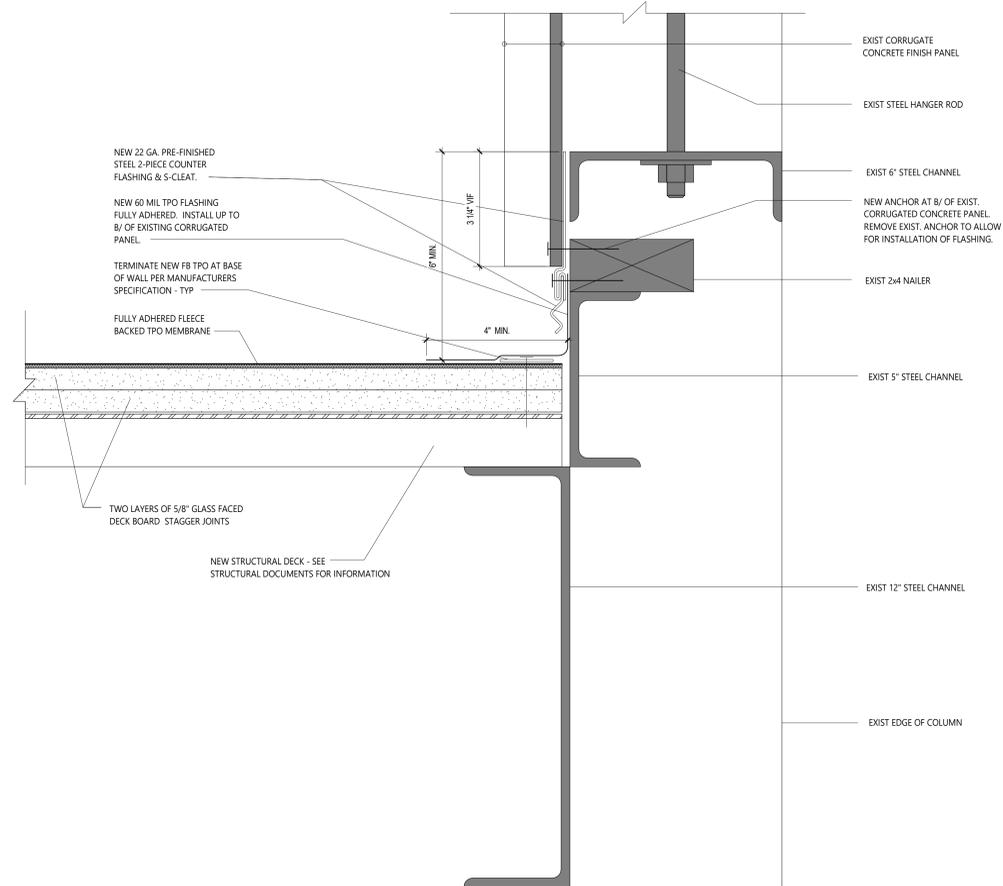
ROOF DETAILS

Project Number:
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13 TYPICAL CANOPY ROOF DRAIN - SHED 4
 SCALE: 6" = 1'-0"



5 TYPICAL CANOPY TERMINATION @ BUILDING - SHED 4
 SCALE: 6" = 1'-0"

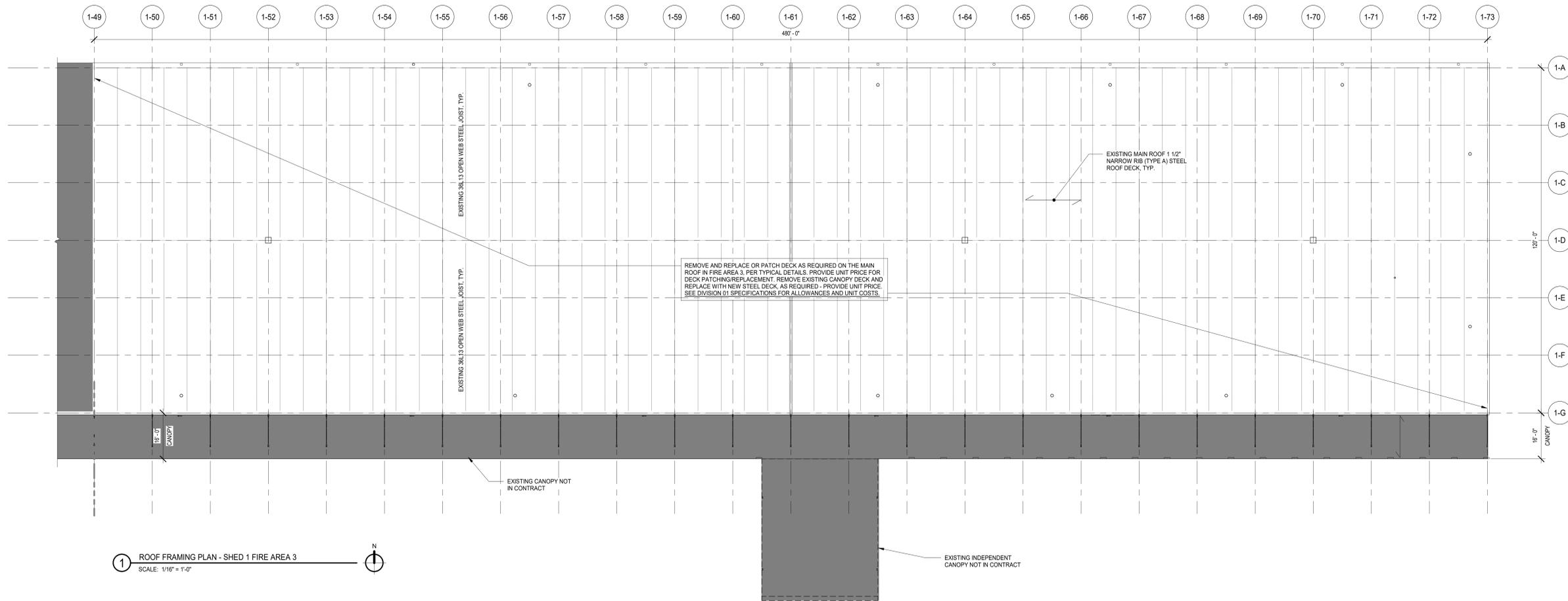
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	ISSUE FOR BID	10/11/2024

ILLINOIS INT. PORT DIST. - SHED ROOF REPLACEMENT

Calumet River Terminal Facility
 12700 S. Butler Drive
 Chicago, IL 60633

ROOF DETAILS - CANOPY

Project Number:
 240036
 Drawn By:
 JK
 Sheet:



1 ROOF FRAMING PLAN - SHED 1 FIRE AREA 3
SCALE: 1/16" = 1'-0"

- PLAN NOTES**
- SEE S0.01 SERIES DRAWINGS FOR GENERAL NOTES, STATEMENT OF SPECIAL INSPECTIONS AND TYPICAL DETAILS.
 - NEW REPAIR ROOF DECK SHALL BE 1 1/2" DEEP x 19 GAGE, NARROW RIB, GALVANIZED STEEL DECK, TYPICAL UNLESS NOTED OTHERWISE. SEE GENERAL STEEL DECK NOTES AND TYPICAL DETAILS ON S0.01 FOR DECK REPAIR (PATCH OR REPLACEMENT) CRITERIA.
 - SHADED REGION INDICATES AREA NOT IN CONTRACT.
 - SEE DIVISION 01 SPECIFICATIONS FOR ALLOWANCES AND UNIT COSTS.



Exp. 11-30-2026

REV	DESCRIPTION	DATE

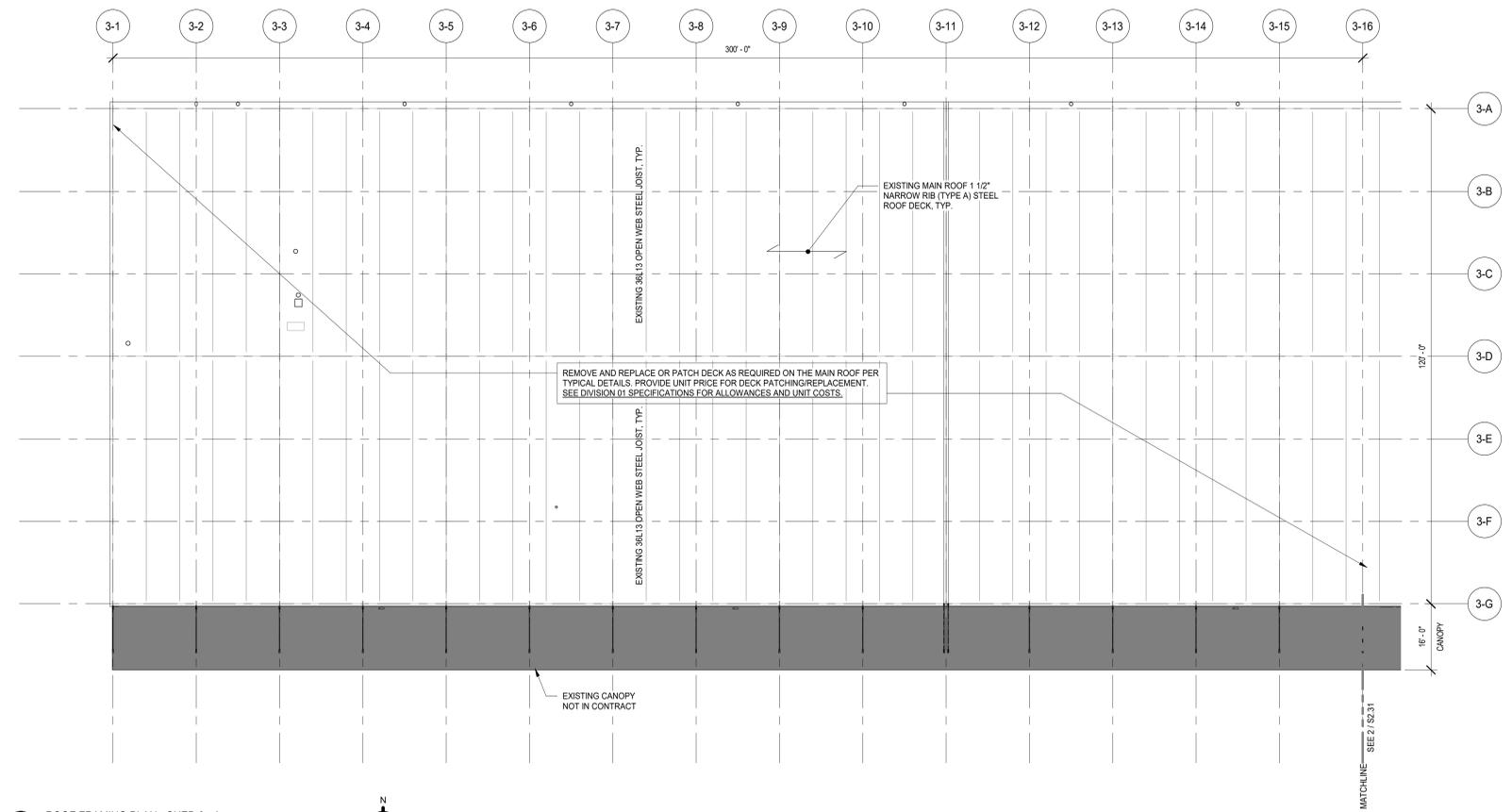
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Chicago, IL 60633

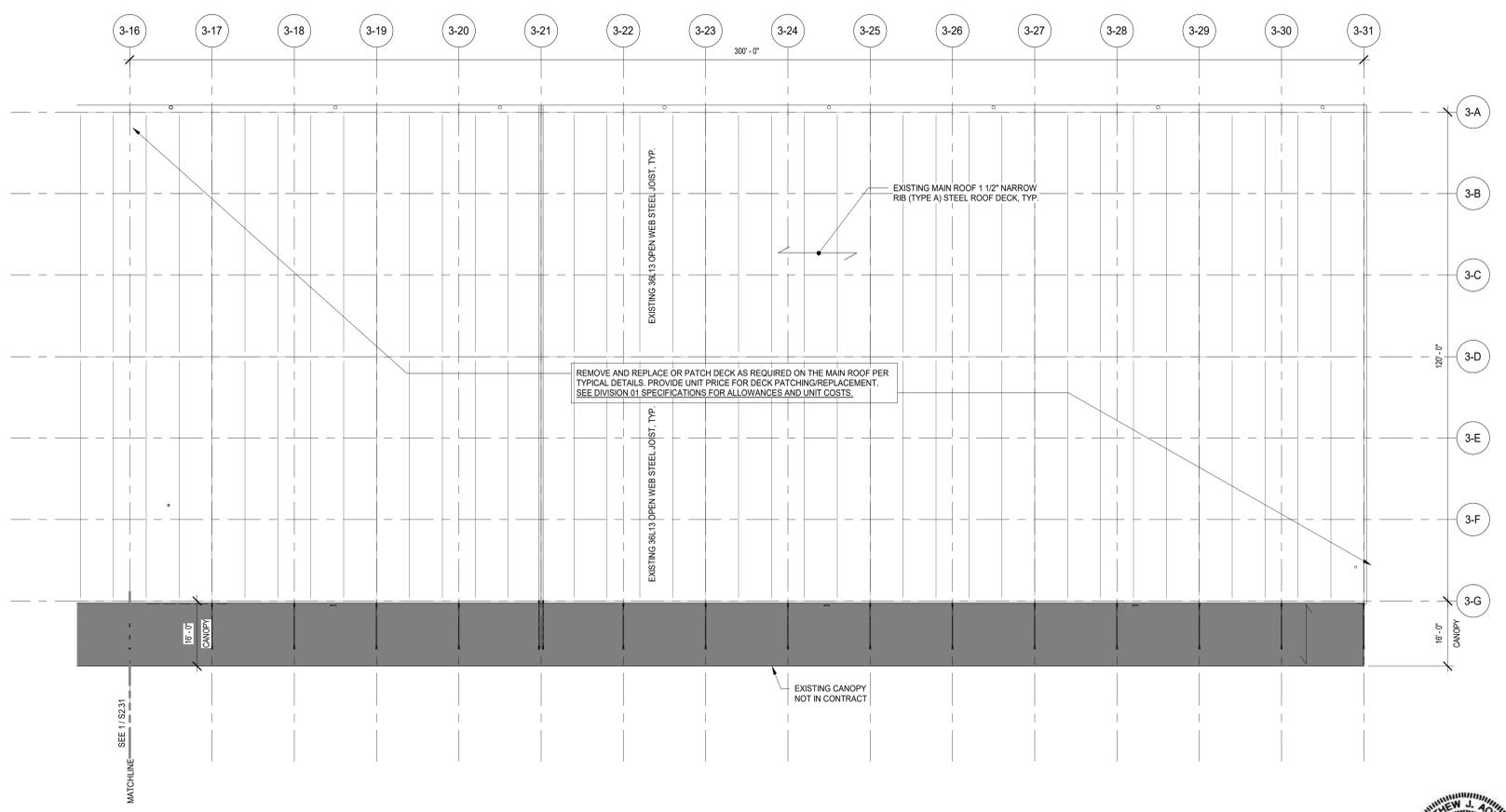
ROOF FRAMING PLAN - SHED 1 (FIRE AREA 3)

Project Number:
240036
Drawn By:
L.B.
Sheet:

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1 ROOF FRAMING PLAN - SHED 3 - A
SCALE: 1/16" = 1'-0"



2 ROOF FRAMING PLAN - SHED 3 - B
SCALE: 1/16" = 1'-0"

- PLAN NOTES**
- SEE S0.01 SERIES DRAWINGS FOR GENERAL NOTES, STATEMENT OF SPECIAL INSPECTIONS AND TYPICAL DETAILS.
 - NEW REPAIR ROOF DECK SHALL BE 1 1/2" DEEP x 19 GAGE, NARROW RIB, GALVANIZED STEEL DECK, TYPICAL UNLESS NOTED OTHERWISE. SEE GENERAL STEEL DECK NOTES AND TYPICAL DETAILS ON S0.01 FOR DECK REPAIR (PATCH OR REPLACEMENT) CRITERIA.
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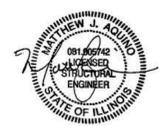
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Calumet River Terminal Facility
12700 S. Butler Drive
Chicago, IL 60633

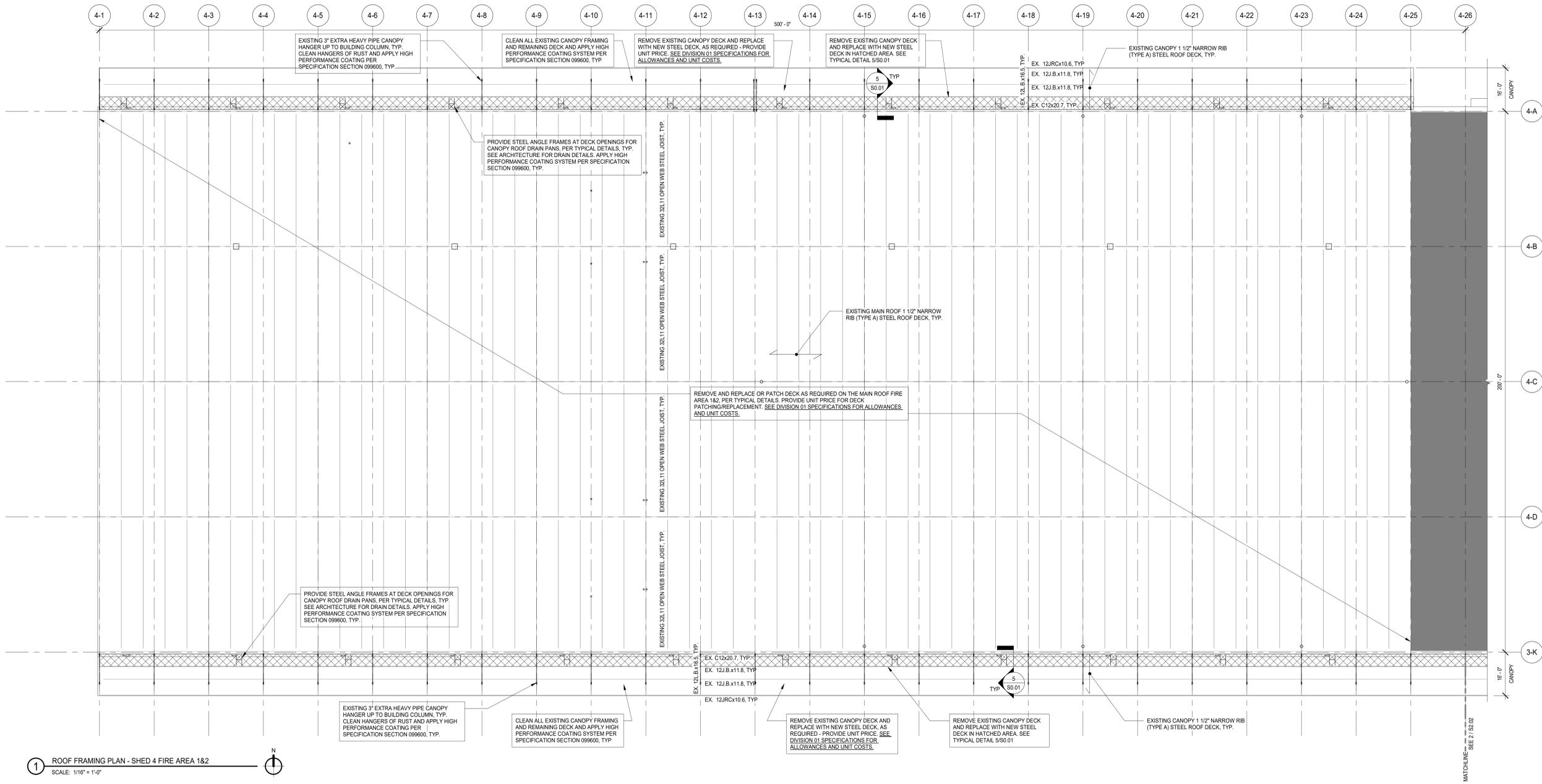
ROOF FRAMING PLAN - SHED 3

Project Number:
240036
Drawn By:
L.B.
Sheet:



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1 ROOF FRAMING PLAN - SHED 4 FIRE AREA 1&2
SCALE: 1/16" = 1'-0"

- PLAN NOTES**
- SEE S0.01 SERIES DRAWINGS FOR GENERAL NOTES, STATEMENT OF SPECIAL INSPECTIONS AND TYPICAL DETAILS.
 - NEW REPAIR ROOF DECK SHALL BE 1 1/2" DEEP x 18 GAGE, NARROW RIB, GALVANIZED STEEL DECK, TYPICAL UNLESS NOTED OTHERWISE. SEE GENERAL STEEL DECK NOTES AND TYPICAL DETAILS ON S0.01 FOR DECK REPAIR (PATCH OR REPLACEMENT) CRITERIA.
 - PROVIDE STEEL ANGLE FRAMED DECK OPENINGS PER TYPICAL DETAILS AT CANOPY ROOF DRAIN PANS. SEE ARCHITECTURAL DRAWINGS FOR ROOF DRAIN DETAILS.
 - SHADED REGION INDICATES AREA NOT IN CONTRACT.
 - SEE DIVISION 01 SPECIFICATIONS FOR ALLOWANCES AND UNIT COSTS.



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	ISSUE FOR BID	10/11/2024

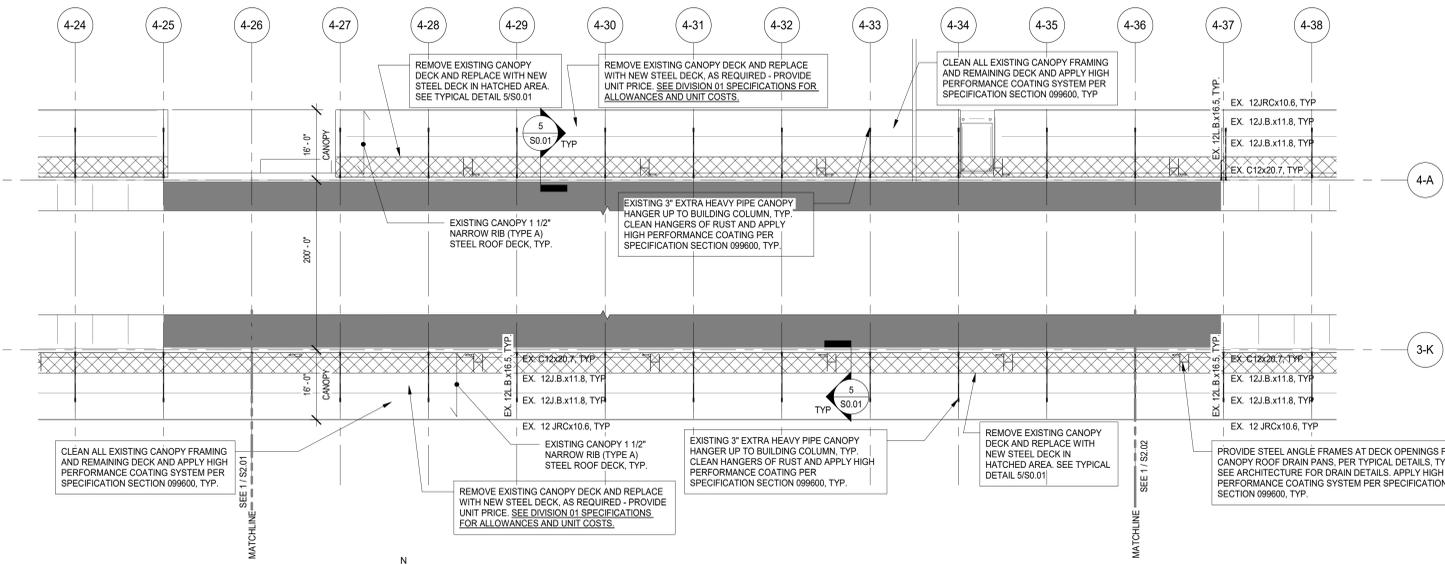
ILLINOIS INT. PORT DIST. - SHED ROOF REPLACEMENT

Calumet River Terminal Facility
12700 S. Butler Drive
Chicago, IL 60633

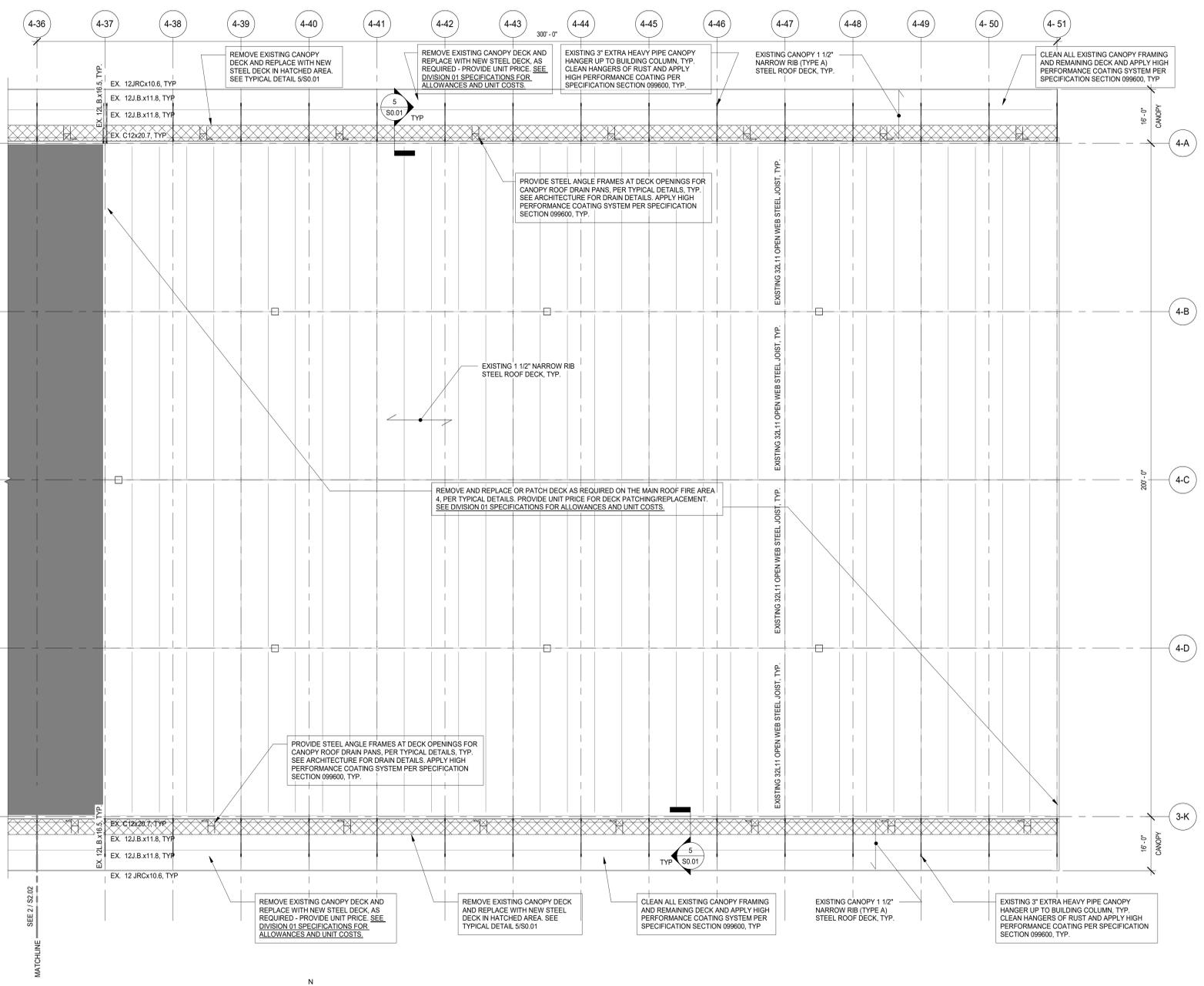
ROOF FRAMING PLAN - SHED 4 (FIRE AREA 1 & 2)

Project Number:
240036
Drawn By:
L.B.
Sheet:

S2.01



2 SHED 4 - HIGH ROOF - CANOPY FIRE AREA 3
SCALE: 1/16" = 1'-0"

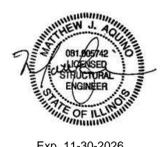


1 ROOF FRAMING PLAN - SHED 4 FIRE AREA 4
SCALE: 1/16" = 1'-0"

ISSUE FOR BID 10/11/2024
REV DESCRIPTION DATE

ILLINOIS INT. PORT DIST. - SHED ROOF REPLACEMENT

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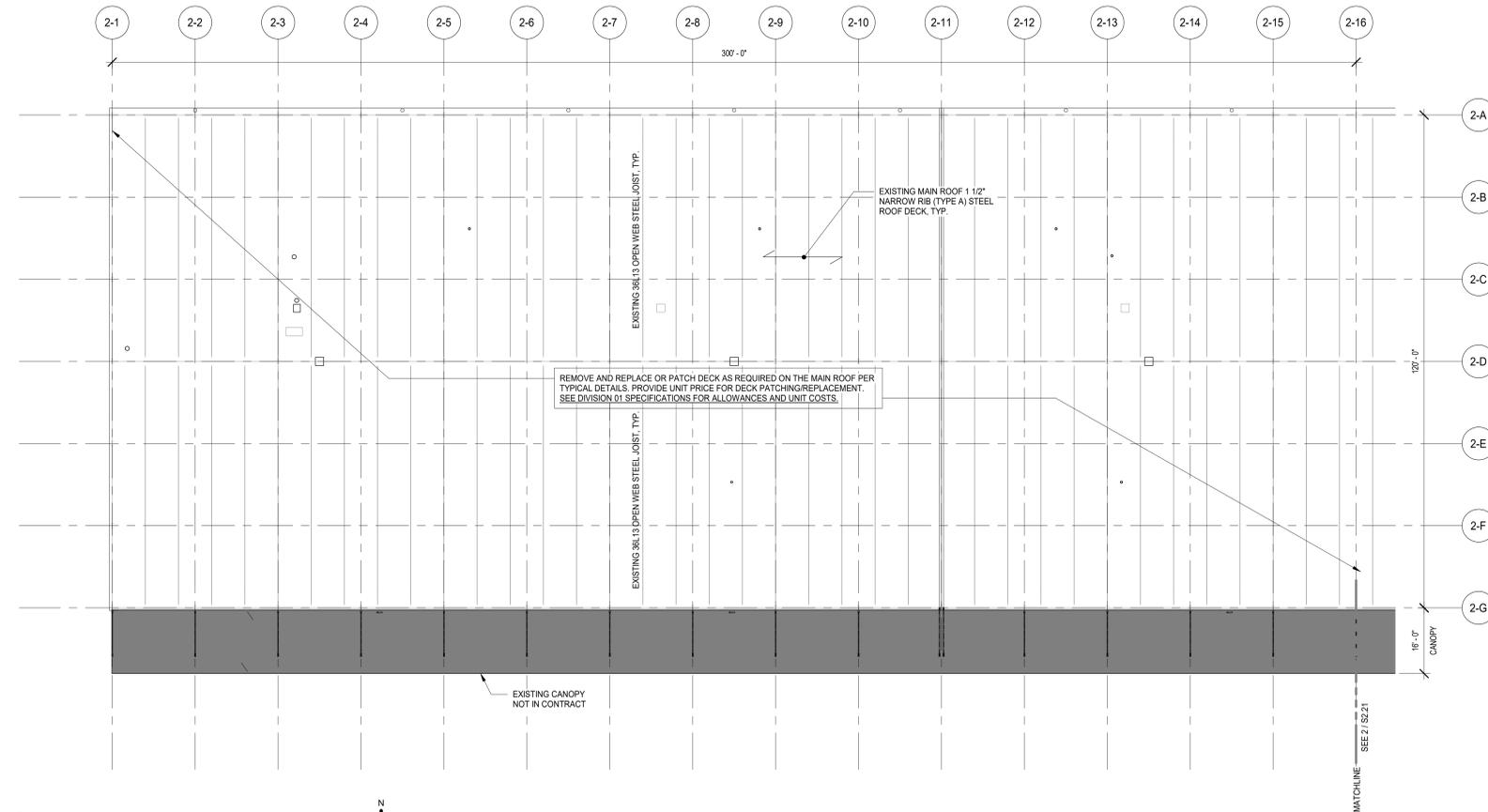


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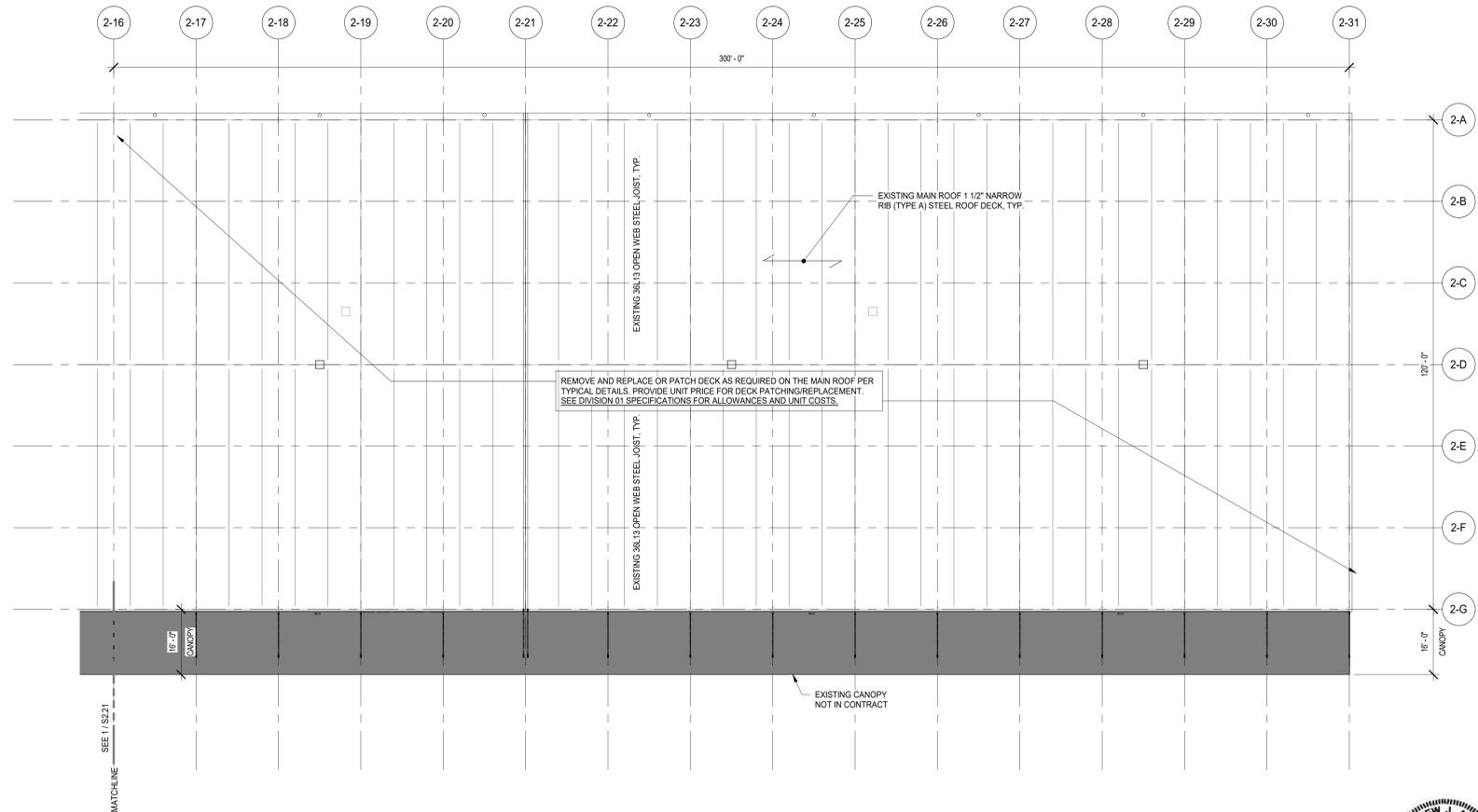
- PLAN NOTES**
- SEE S0.01 SERIES DRAWINGS FOR GENERAL NOTES, STATEMENT OF SPECIAL INSPECTIONS AND TYPICAL DETAILS.
 - NEW REPAIR ROOF DECK SHALL BE 1 1/2" DEEP x 18 GAGE, NARROW RIB, GALVANIZED STEEL DECK, TYPICAL UNLESS NOTED OTHERWISE. SEE GENERAL STEEL DECK NOTES AND TYPICAL DETAILS ON S0.01 FOR DECK REPAIR (PATCH OR REPLACEMENT) CRITERIA.
 - PROVIDE STEEL ANGLE FRAMED DECK OPENINGS PER TYPICAL DETAILS AT CANOPY ROOF DRAIN PANS. SEE ARCHITECTURAL DRAWINGS FOR ROOF DRAIN DETAILS.
 - SHADED REGION INDICATES AREA NOT IN CONTRACT.
 - SEE DIVISION 01 SPECIFICATIONS FOR ALLOWANCES AND UNIT COSTS.

ROOF FRAMING PLAN - SHED 4 (FIRE AREA 4)

Project Number:
240036
Drawn By:
L.B.
Sheet:



1 ROOF FRAMING PLAN - SHED 2 - A
SCALE: 1/16" = 1'-0"



2 ROOF FRAMING PLAN - SHED 2 - B
SCALE: 1/16" = 1'-0"

- PLAN NOTES**
- SEE S0.01 SERIES DRAWINGS FOR GENERAL NOTES, STATEMENT OF SPECIAL INSPECTIONS AND TYPICAL DETAILS.
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REV	DESCRIPTION	DATE

ILLINOIS INT. PORT DIST. - SHED ROOF REPLACEMENT

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Chicago, IL 60633

ROOF FRAMING PLAN - SHED 2

Project Number:
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L.B.
Sheet:



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RFP ATTACHMENT 5

Photos of Transit Sheds 1 - 4 Electrical Equipment

[See Following Pages]

ILLINOIS INTERNATIONAL PORT DISTRICT POWER PHOTO LOG

DATE: 02/02/2023

1-ComEd Transformer	2
2-ComEd Transformer	3
3-Shed #1 Power Entrance	4
4-Shed #1 Power Entrance Disconnect Cabinet	5
5-Shed #1 ComEd Meters	6
6-Shed #1 ComEd Meter	7
6A-Shed #1 Safety Switch	8
7-Shed #1 Shore Power ComEd Meter and Circuit Breaker	9
8-Shed #1 ConQuest Power ComEd Meter	10
8A-Shed #1 ConQuest Disconnect Switch	11
9-Shed #1 Ex MTR ComEd Meter	12
9A-Shed #1 Ex MTR Disconnect Switch	13
10-Shed #2 Power Entrance	14
10A-Shed #2 Power Entrance	15
11-Shed #3 Power Entrance	16
12-Shed #3 ComEd Meter	17
12A-Shed #3 Disconnect Switch	18
13-Shed #3 Ship to Shore ComEd Meter	19
13A-Shed #3 Ship to Shore Disconnect Switch	20
14-Shed #4 Power Entrance	21
15-Shed #4 Meter Bank	22



Name:	1-ComEd Transformer
Date:	2023-02-02
Comments:	Transformer Number 1000185445



Name:	2-ComEd Transformer
Date:	2023-02-02
Comments:	Transformer Label 1000185445



Name:	3-Shed #1 Power Entrance
Date:	2023-02-02
Comments:	



Name:	4-Shed #1 Power Entrance Disconnect Cabinet
Date:	2023-02-02
Comments:	Fuses for incoming power in left cabinet



Name:	5-Shed #1 ComEd Meters
Date:	2023-02-02
Comments:	2 Meters



Name:	6-Shed #1 ComEd Meter
Date:	2023-02-02
Comments:	Meter No 230171201



Name:	6A-Shed #1 Safety Switch
Date:	2023-02-02
Comments:	600A



Name:	7-Shed #1 Shore Power ComEd Meter and Circuit Breaker
Date:	2023-02-02
Comments:	Meter No 230019492, 200A



Name:	8-Shed #1 ConQuest Power ComEd Meter
Date:	2023-02-02
Comments:	Meter No 230148615



Name:	8A-Shed #1 ConQuest Disconnect Switch
Date:	2023-02-02
Comments:	Meter No 230148615



Name:	9-Shed #1 Ex MTR ComEd Meter
Date:	2023-02-02
Comments:	Meter No 230016871



Name:	9A-Shed #1 Ex MTR Disconnect Switch
Date:	2023-02-02
Comments:	200A



Name:	10-Shed #2 Power Entrance
Date:	2023-02-02
Comments:	Incoming power Feed on Right side



Name:	10A-Shed #2 Power Entrance
Date:	2023-02-02
Comments:	Shed #2 Main Circuit Breaker 400A



Name:	11-Shed #3 Power Entrance
Date:	2023-02-02
Comments:	Incoming power Feed in Center



Name:	12-Shed #3 ComEd Meter
Date:	2023-02-02
Comments:	Meter No 230 326 181



Name:	12A-Shed #3 Disconnect Switch
Date:	2023-02-02
Comments:	200A



Name:	13-Shed #3 Ship to Shore ComEd Meter
Date:	2023-02-02
Comments:	Meter No 230 214 368



Name:	13A-Shed #3 Ship to Shore Disconnect Switch
Date:	2023-02-02
Comments:	200A



Name:	14-Shed #4 Power Entrance
Date:	2023-02-02
Comments:	MAIN BREAKER 1200A (Left) MAIN BREAKER 400A (Right) on first floor



Name:	15-Shed #4 Meter Bank
Date:	2023-02-02
Comments:	Starting from left; 1 st meter no. 230044992 Section #2 with a 400A Circuit Breaker, 2 nd meter no. 2300035935 Section #1 with a 400A Circuit Breaker, 3 rd meter no. 230010970 Section #3 with a 125A Circuit Breaker, 4 th meter no. 230260014 Quadrant #1 with a 125A Circuit Breaker, 5 rd meter no. 230028114 Quadrant #4 with a 125A Circuit Breaker, 6 th meter no. 230011212 Office Area with a 100A Circuit Breaker, 7 th meter no. 230227580 Public with a 60A Circuit Breaker. The meter bank is on the second floor.

RFP ATTACHMENT 6

Electrical Plan Drawings for Transit Sheds 1 - 4

[See Following Pages]

CHICAGO REGIONAL PORT DISTRICT
LAKE CALUMET HARBOR
INITIAL PROJECT

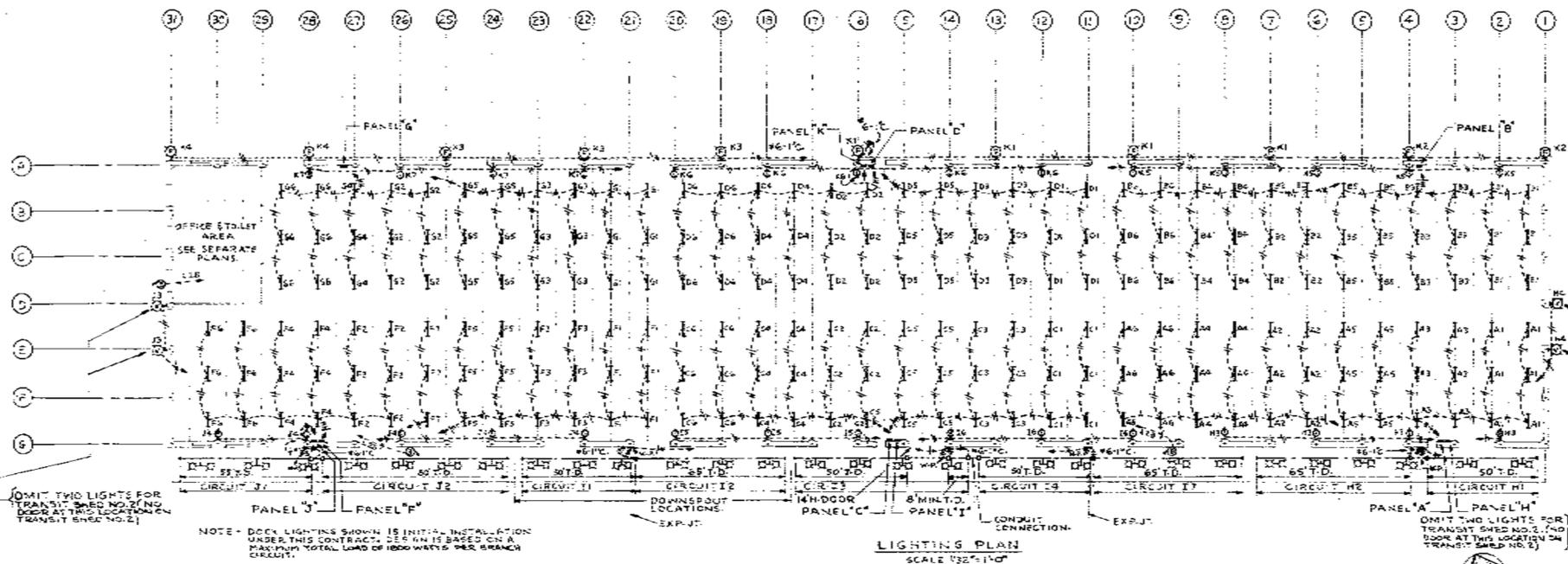
CONTRACT VI
ELECTRICAL WORK
FOR TRANSIT SHEDS, BACK-UP WAREHOUSE AND
PORT OFFICE AND SERVICE BUILDING
LIST OF DRAWINGS

<u>DRAWING NO.</u>	<u>TITLE</u>
	TITLE SHEET - DRAWING INDEX.
G-100	SITE PLAN
E-100	TRANSIT SHEDS NO. 2 & 3 - POWER & LIGHTING.
E-200	BACK-UP WAREHOUSE - POWER & LIGHTING.
E-201	BACK-UP WAREHOUSE - PANEL SCHEDULES & DETAILS.
E-300	PORT OFFICE & SERVICE BLDG. - POWER & LIGHTING.
E-500	TRANSIT SHED NO. 1 - POWER & LIGHTING. (REVISED)
E-501	TRANSIT SHED NO. 1 - PANEL SCHEDULES & DETAILS.
E-101	
E-600	
E-601	

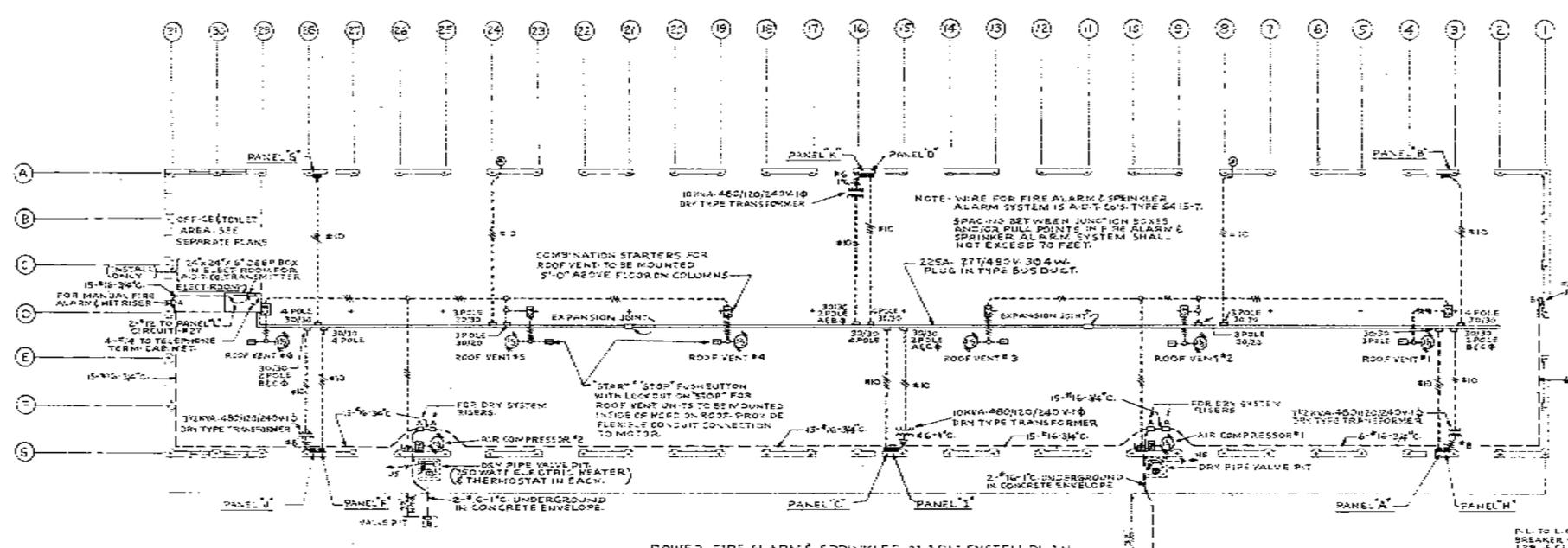
APPROVED:

CHICAGO REGIONAL PORT DISTRICT
Wm J. Wilson
CHAIRMAN OF THE BOARD

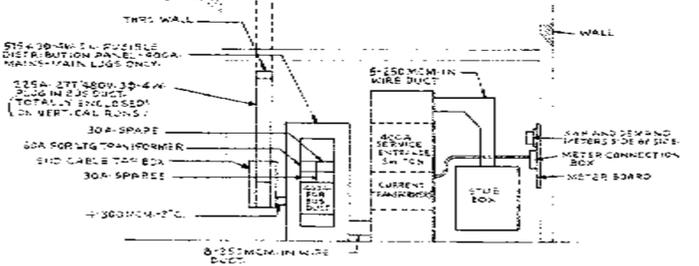
DE LEUW, CATHER & COMPANY
ENGINEERS CHICAGO
[Signature]
PRESIDENT



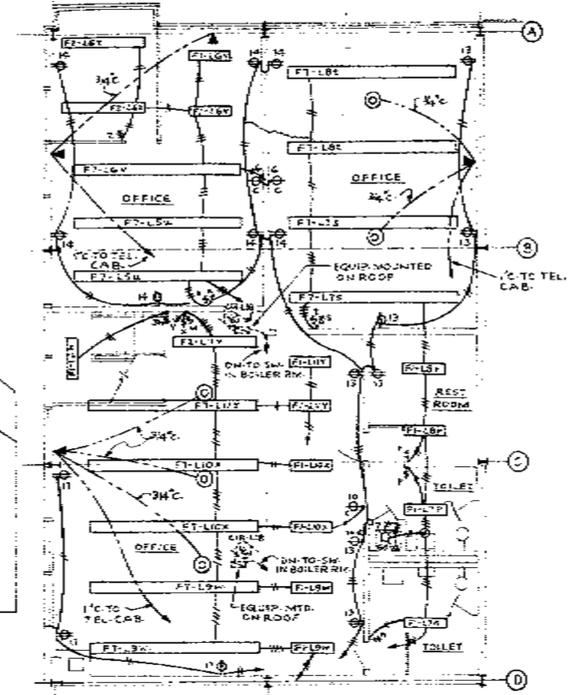
LIGHTING PLAN
SCALE 1/32" = 1'-0"



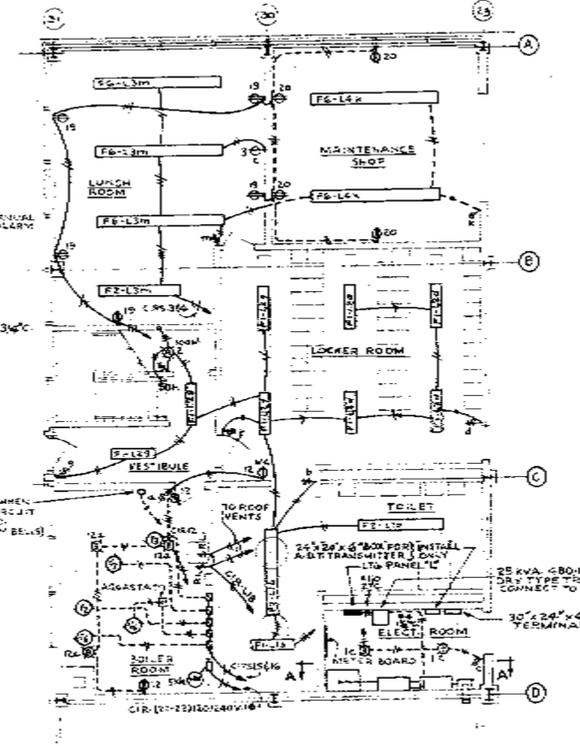
POWER, FIRE ALARM & SPRINKLER ALARM SYSTEM PLAN
SCALE 1/32" = 1'-0"



SECTION A-A
ARRANGEMENT OF SERVICE ENTRANCE & DISTRIBUTION EQUIPMENT
SCALE 1/8" = 1'-0"



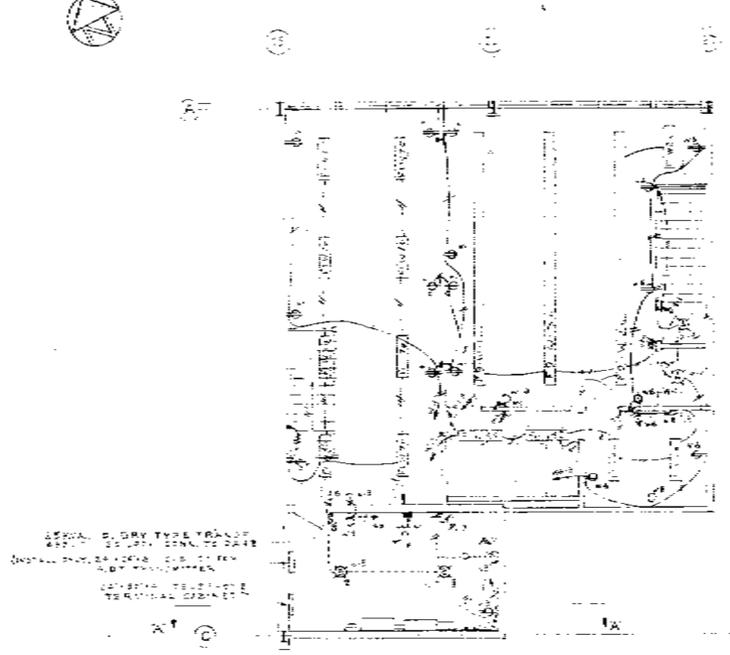
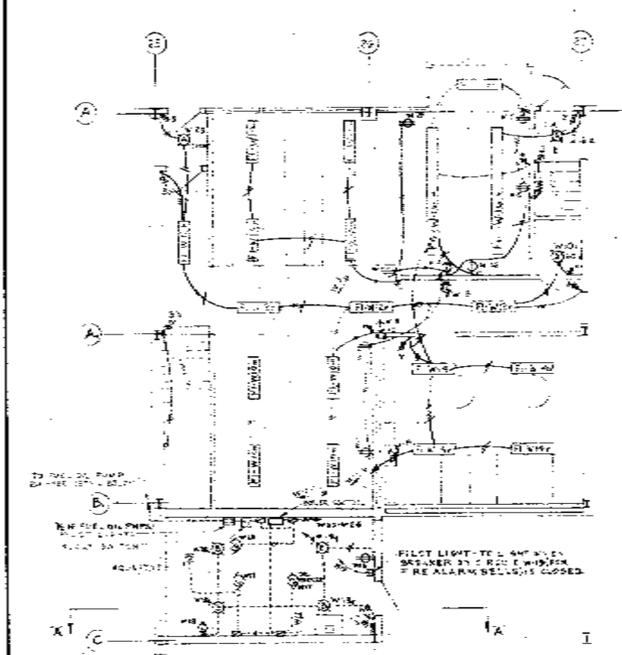
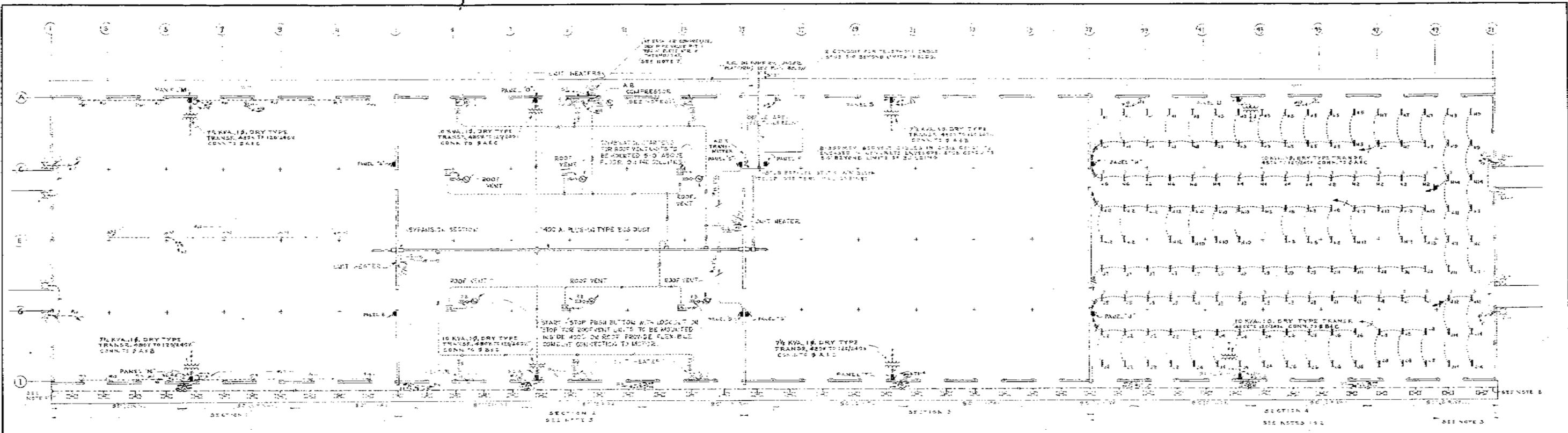
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"



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

NOTE-
1- THESE PLANS AND SECTION 'A-A' OF TRANSIT SHEDS NO. 2 & 3 SUPERSEDE THOSE SHOWN ON DRAWING E-100 AND ARE IDENTICAL TO THOSE PLANS AND SECTION WITH THE FOLLOWING EXCEPTIONS:
(a) PLANS & SECTION ARE DRAWN OPPOSITE HAND.
(b) NOTES HAVE BEEN ADDED TO OMIT THE TWO OUTSIDE LIGHTS AT EACH END OF TRANSIT SHED NO. 2.
(c) REVISED DOCK LIGHTING.
(d) DELETED INCOMING POWER AND TELEPHONE DUCT LINES.
2- FOR SYMBOL LIST AND PANEL SCHEDULES REFER TO DRAWING E-100.

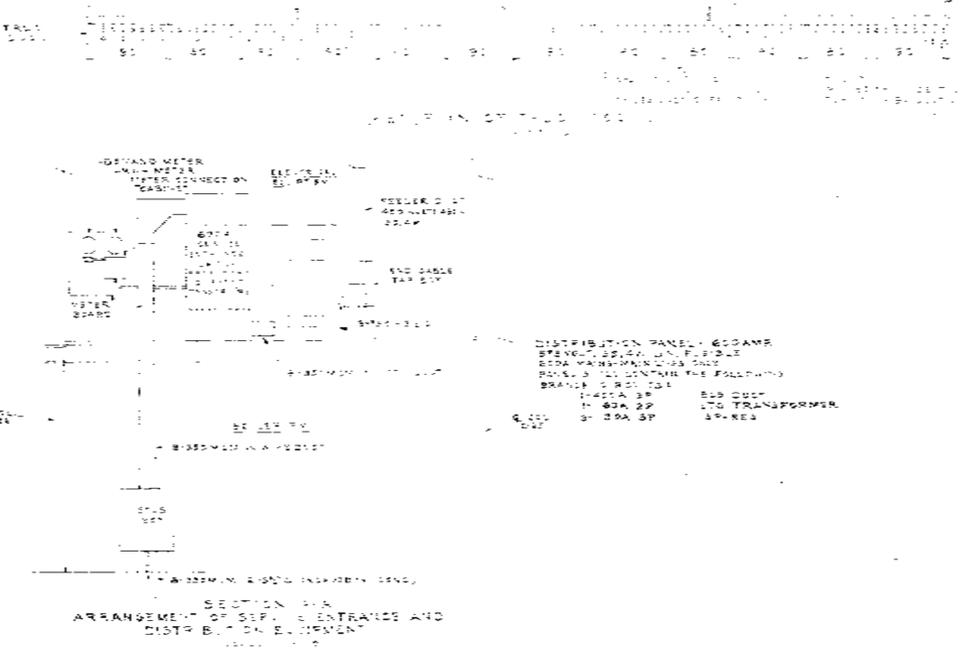
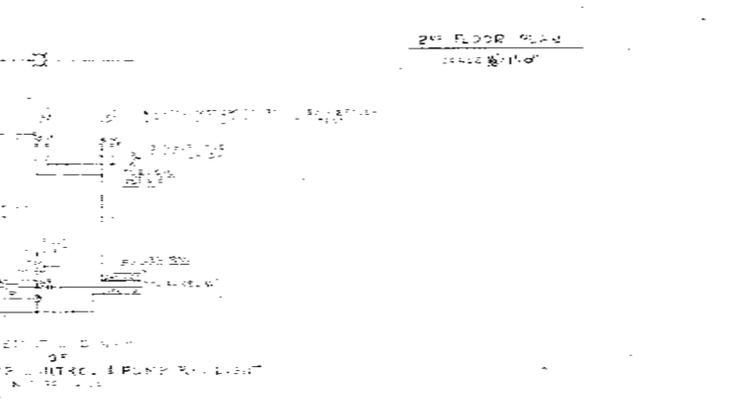
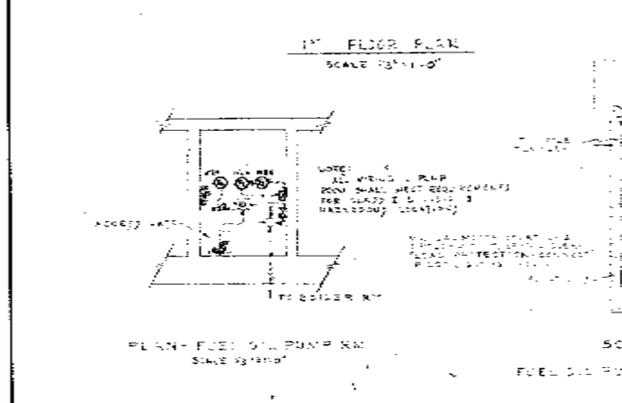
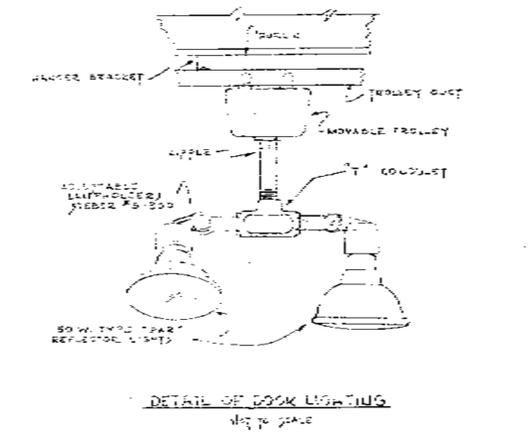
CHICAGO REGIONAL PORT DISTRICT LAKE CALUMET HARBOR		DATE DEC. 15, 1955
TRANSIT SHEDS NO. 2 & 3		SCALE AS NOTED
POWER AND LIGHTING		JOB NO. 714-B
DESIGNED E.M. DE LEUW, CATHER & CO. DRAWN J.W.G. CHECKED E.R.L. APPROVED E.M.D.		DRAWING NO. E-101



KEY PLAN OF WAREHOUSE LIGHTING

SECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
B	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
C	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
D	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
E	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85
F	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
G	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115
H	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130
I	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145
J	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
K	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
L	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190
M	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205
N	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220
O	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235
P	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250
Q	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265
R	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280
S	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295

- NOTES
- ARRANGEMENT OF RECESSED LIGHT FIXTURES IN SECTION 1-2 IS SAME AS SECTION 4 EXCEPT AS NOTED IN NOTES 1-4.
 - ONLY 2 FIXTURES ON CIRCUIT 71.
 - OMIT THESE FIXTURES IN SECTION 1-2-3.
 - "KEY PLAN" INDICATES AREAS COVERED BY LIGHTING PANEL CIRCUITS - EXAMPLE: A1, D1, A1, D1, P.S. 100/50, 50/50, 50/1, ETC. SEE S.M. 102.
 - TYPICAL ARRANGEMENT OF POWER WIRES IN SECTION 1, 2, 3, 4 SIMILAR EXCEPT FOR THE FOLLOWING:
 - 5 LIGHT FIXTURES ON CIRCUIT 71.
 - 5 LIGHT FIXTURES ON CIRCUIT 72.
 - IN SECTION 4 THERE ARE TWO (2) AIR COMPRESSORS ONE AT COL. 20 AND ONE AT COL. 59. PROVIDE ONE PLUS 1/2" 4075 TWO COMPRESSOR.
 - IN SECTION 4 THERE ARE TWO DRY PNEUMATIC AIR AT COL. 10 & COL. 44. PROVIDE 150 W. STRIP HEATER & THERMOSTAT IN EACH. EACH HEATER TO BE CONNECTED TO SEPARATE CIRCUIT IN PANEL 101.
 - TYPICAL ARRANGEMENT OF TRUCK DOCK LIGHTING. LIGHTING OF TRUCK DOCK ON OPPOSITE SIDE OF THE BUILDING IS SIMILAR.
 - FOR SYMBOLS SEE DRAWING NOTES.



CHICAGO REGIONAL PORT DISTRICT
LAKE CALUMET HARBOR

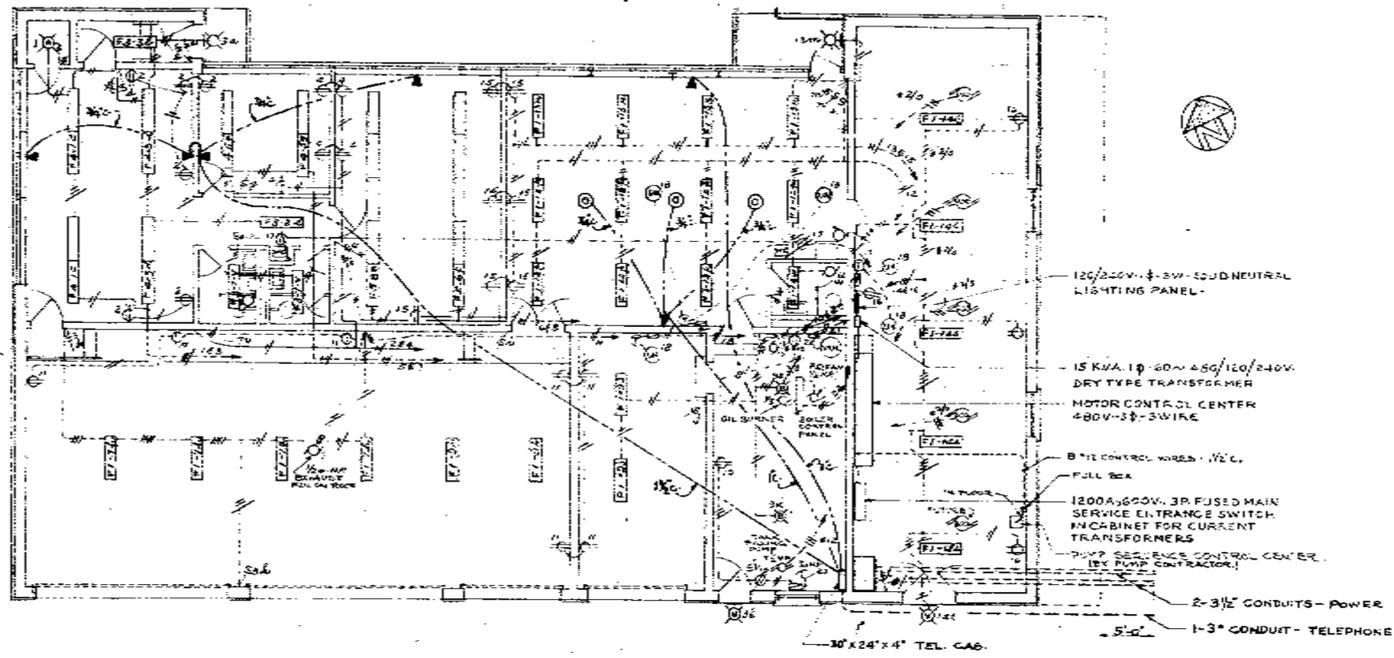
BACK-UP WAREHOUSE
POWER & LIGHTING

DESIGNED: E.W.E.
DRAWN: E.W.E.
CHECKED: E.H.
APPROVED: E.W.H.

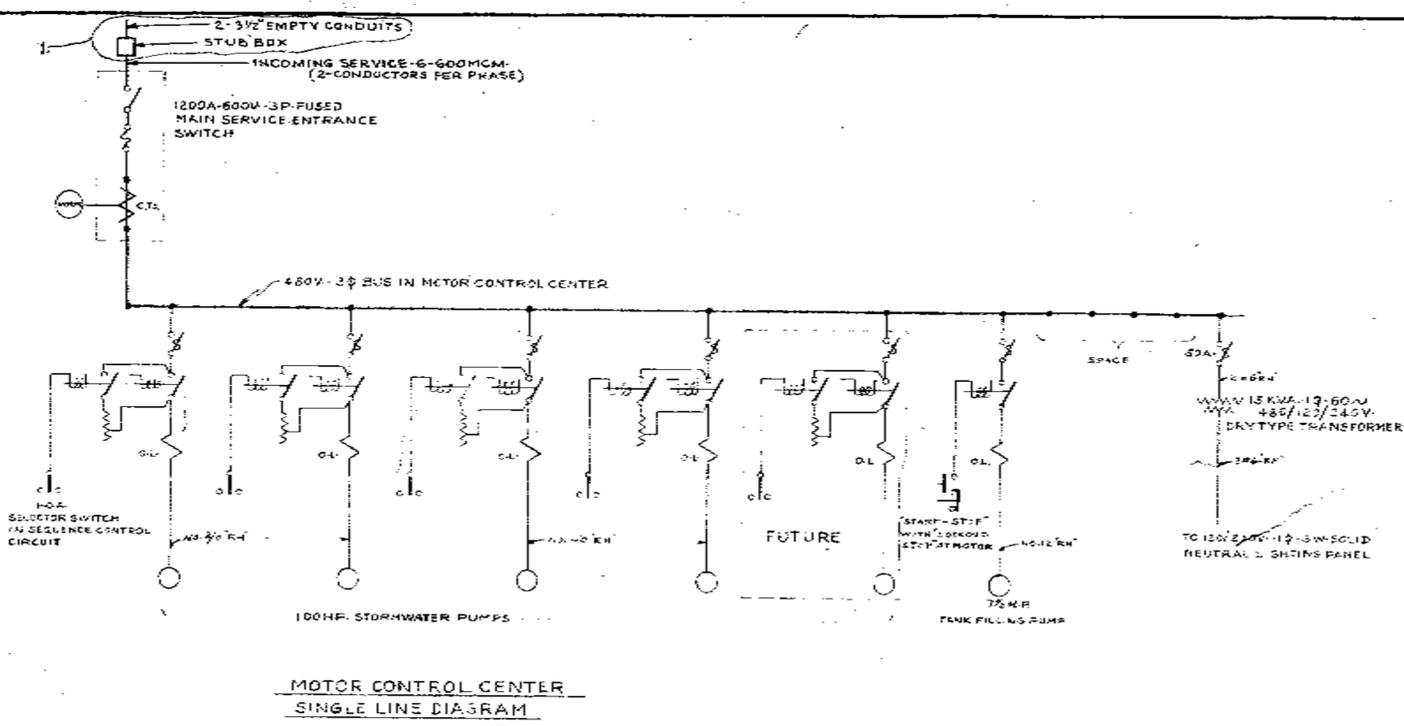
DE LEUW, CATHER & CO.
ENGINEERS
CHICAGO ILLINOIS

DATE: JUNE 1, 1955
SCALE: AS NOTED
JOB NO. 714-B
DRAWING NO. E-200

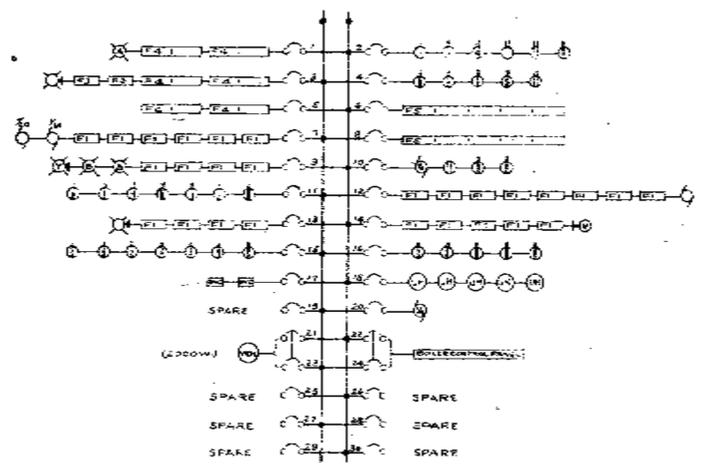
NO.	DATE	REVISION	BY



POWER AND LIGHTING PLAN
SCALE 1/8"=1'-0"



MOTOR CONTROL CENTER
SINGLE LINE DIAGRAM



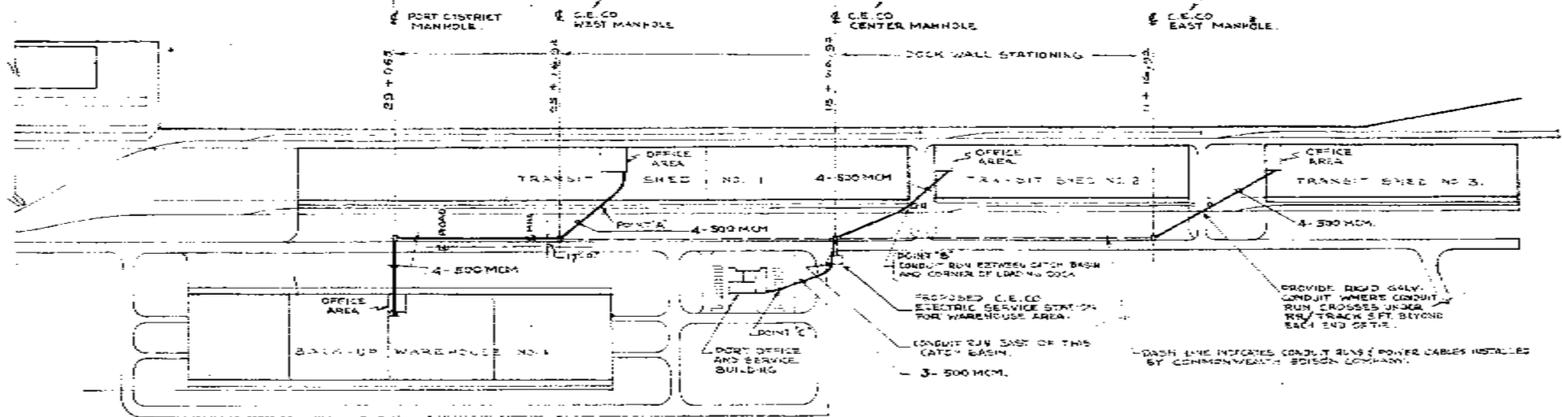
120/240V-1Ø-3W-REF-SOLID NEUTRAL
LIGHTING PANEL

CIR. NO.	CIR. NO.	FEATURE	TYPE OF WIRE	TOTAL LENGTH	REMARKS	MISCELLANEOUS	WIRE SIZE
1	10	200 W	200 W	200			12
2	10	200 W	200 W	200			12
3	10	200 W	200 W	200			12
4	10	200 W	200 W	200			12
5	10	200 W	200 W	200			12
6	10	200 W	200 W	200			12
7	10	200 W	200 W	200			12
8	10	200 W	200 W	200			12
9	10	200 W	200 W	200			12
10	10	200 W	200 W	200			12
11	10	200 W	200 W	200			12
12	10	200 W	200 W	200			12
13	10	200 W	200 W	200			12
14	10	200 W	200 W	200			12
15	10	200 W	200 W	200			12
16	10	200 W	200 W	200			12
17	10	200 W	200 W	200			12
18	10	200 W	200 W	200			12
19	10	200 W	200 W	200			12
20	10	200 W	200 W	200			12
21	10	200 W	200 W	200			12
22	10	200 W	200 W	200			12
23	10	200 W	200 W	200			12
24	10	200 W	200 W	200			12
25	10	200 W	200 W	200			12
26	10	200 W	200 W	200			12
27	10	200 W	200 W	200			12
28	10	200 W	200 W	200			12
29	10	200 W	200 W	200			12
30	10	200 W	200 W	200			12
TOTAL				7360			370

NOTE -
A 2 POLE THERMAL SWITCH NOT SHOWN IN PLAN,
SHALL BE INSTALLED ON THE LINE SIDE OF
EACH EXHAUST FAN.

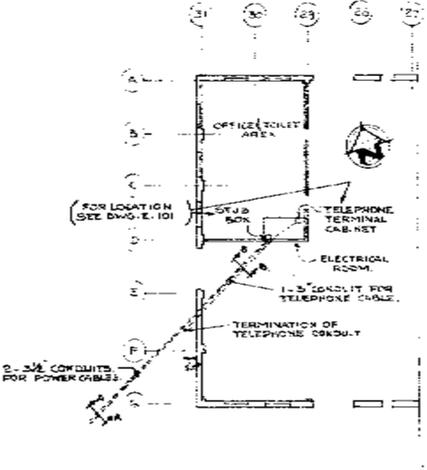
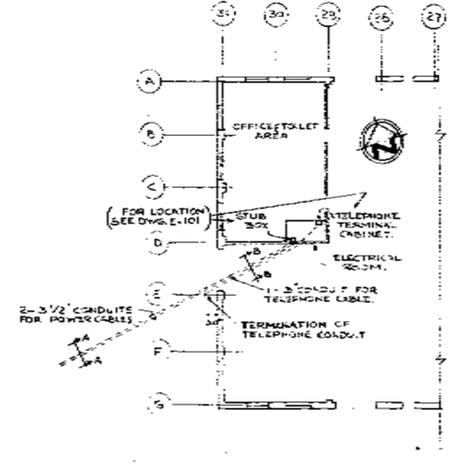
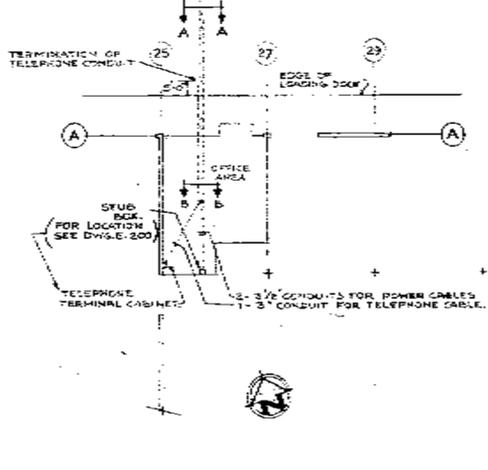
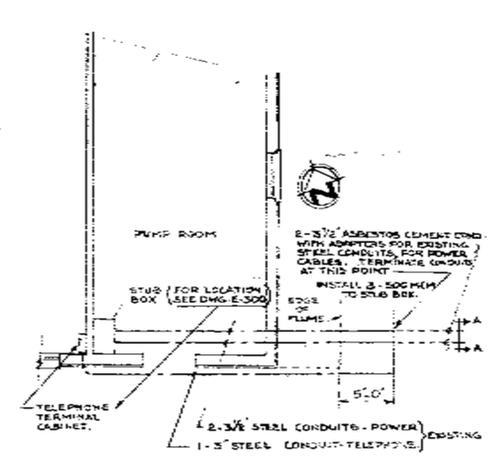
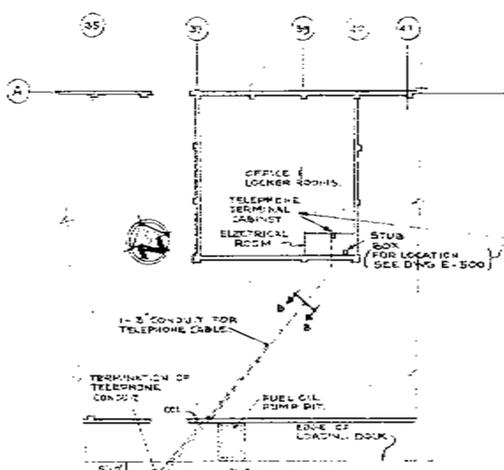
CHICAGO REGIONAL PORT DISTRICT LAKE CALUMET HARBOR		DATE JUNE 1, 1955
PORT OFFICE AND SERVICE BUILDING		SCALE AS NOTED
POWER AND LIGHTING		JOB NO. 714-8 DRAWING NO.
DESIGNED C.R.V. DRAWN C.R.V. CHECKED E.M. APPROVED F.W.R.	DE LEUW, CATHER & CO. ENGINEERS CHICAGO ILLINOIS	E-300

BY C.E. CO.



- NOTES:
1. STUB BOXES AND TELEPHONE TERMINAL BOXES SHOWN IN KEY PLANS ARE FURNISHED AND INSTALLED UNDER SEPARATE CONTRACT.
 2. POINTS A, B AND C, SHOWN IN THE PLAN, INDICATE A DOUBLE-SLOPE IN THE GRADE OF THE CONDUIT RUN. SEE DRAWING NO. E-600 FOR PROFILES.
 3. ALL CABLE TO BE 5/8" PVC NEOPRENE JACKET.
 4. ALL CONDUITS INCLUDING ELBOWS TO BE PROJECT ENCASED IN CONCRETE EXCEPT THE VERTICAL CONDUITS ENTERING THE BUILDING, WHICH SHALL BE RIGID STEEL CONDUIT ENCASED.
 5. CABLES WILL BE SPLICED IN MANHOLES BY COMMONWEALTH EDISON CO.

PLAN
SCALE 1" = 200'-0"



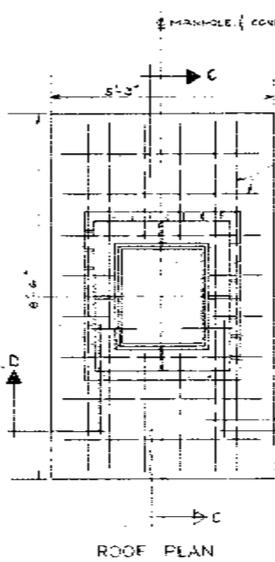
KEY PLAN
TRANSIT SHED NO. 1
SCALE 1/8" = 1'-0"

KEY PLAN
PORT OFFICE AND SERVICE BUILDING
SCALE 1/8" = 1'-0"

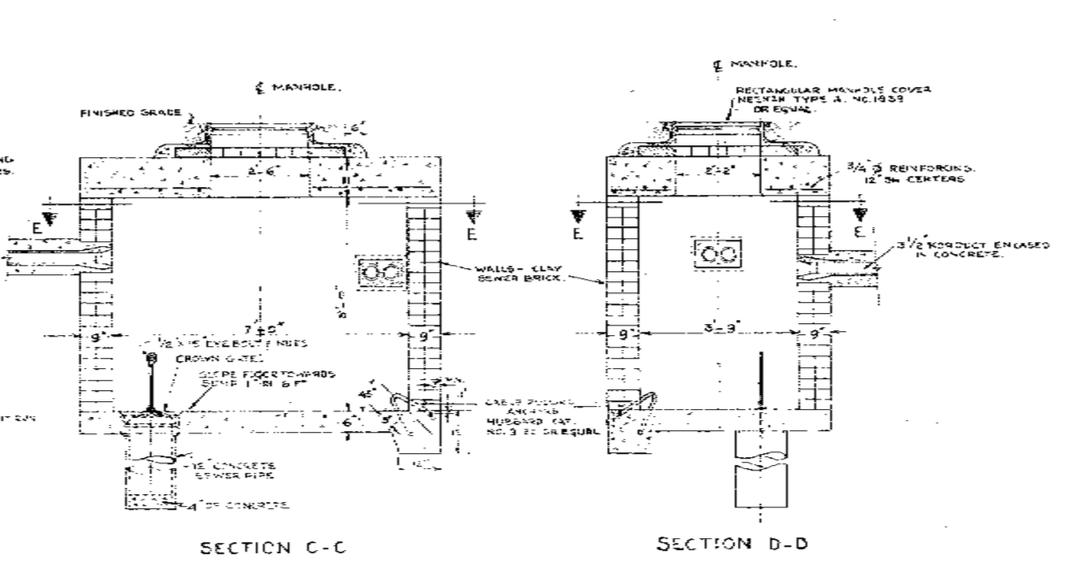
KEY PLAN
BACK-UP WAREHOUSE
SCALE 1/8" = 1'-0"

KEY PLAN
TRANSIT SHED NO. 3
SCALE 1/8" = 1'-0"

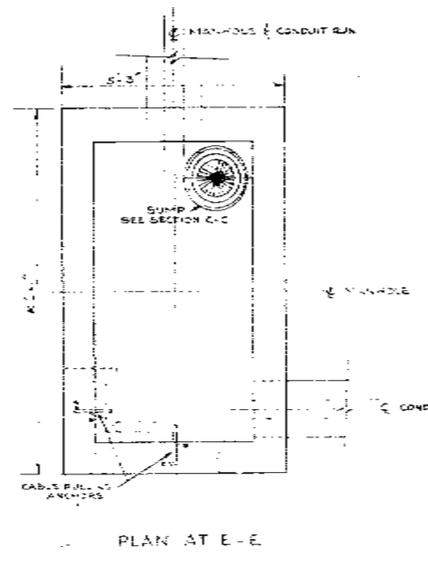
KEY PLAN
TRANSIT SHED NO. 2
SCALE 1/8" = 1'-0"



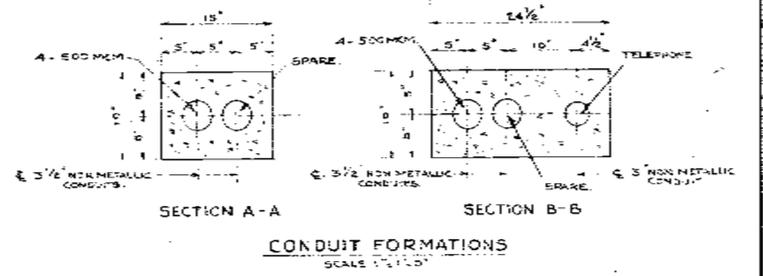
ROOF PLAN



MANHOLE DETAIL
SCALE 1/2" = 1'-0"

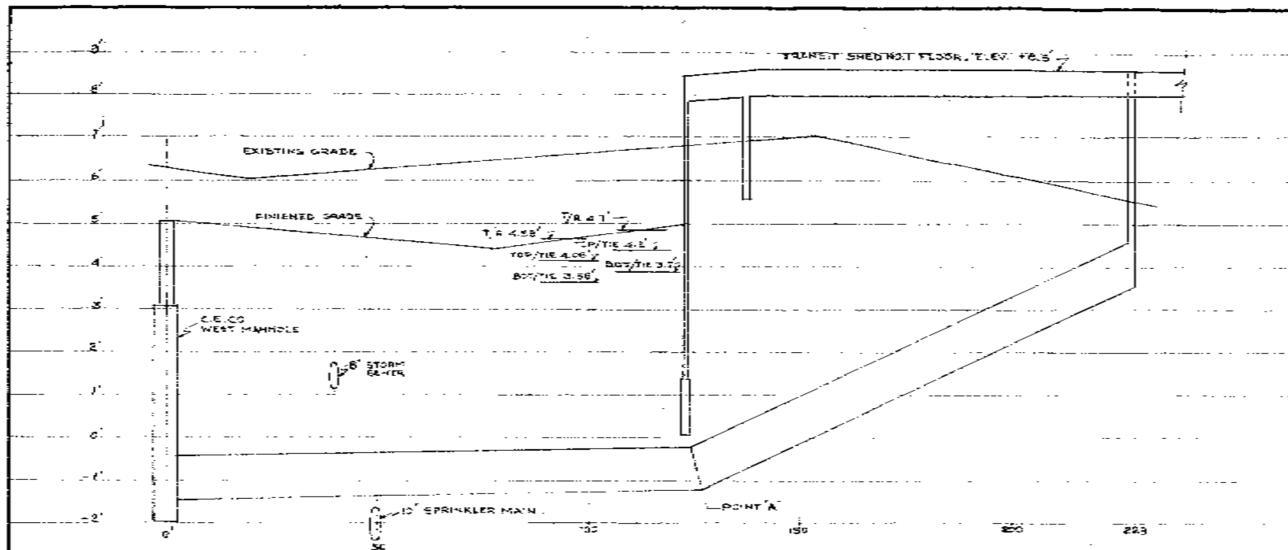


PLAN AT E-E

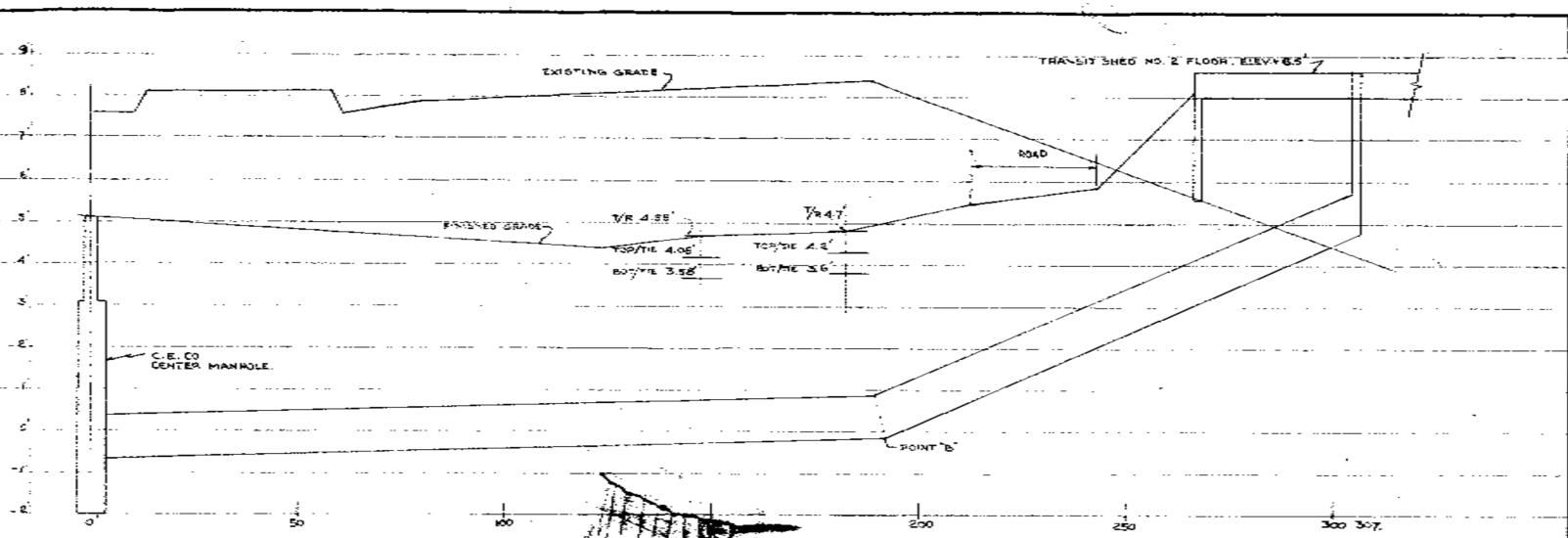


CONDUIT FORMATIONS
SCALE 1" = 1'-0"

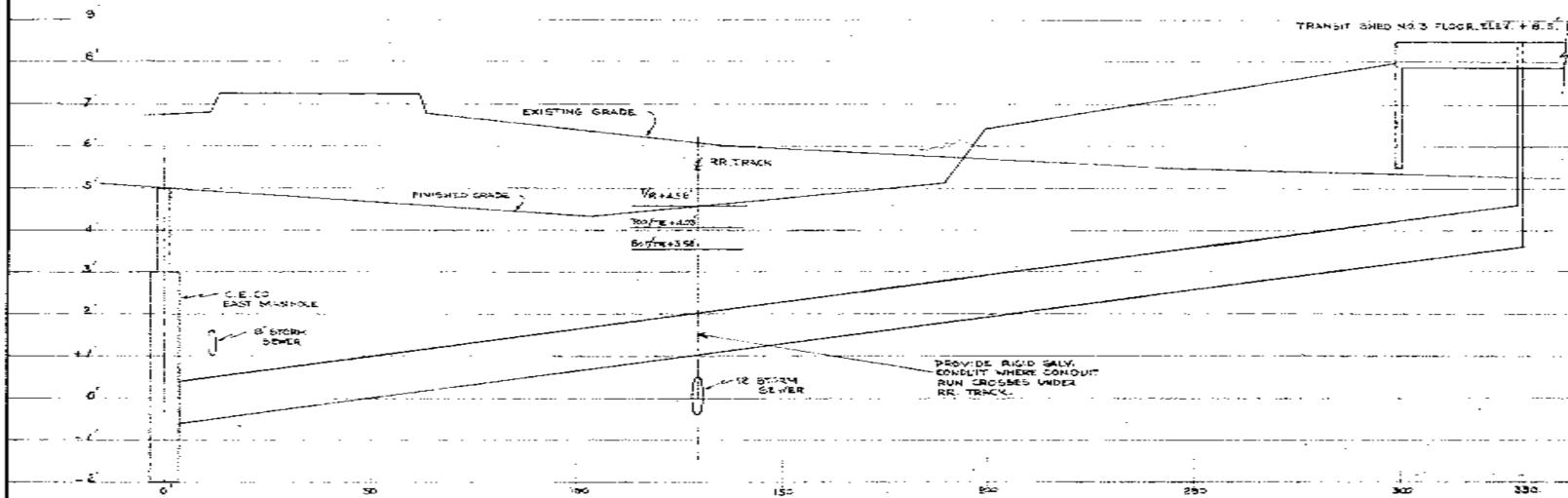
CHICAGO REGIONAL PORT DISTRICT LAKE CALUMET HARBOR		DATE DEC. 15, 1955
UNDERGROUND CONDUIT LINES. PLANS AND DETAILS		SCALE AS NOTED
JOB NO. 714-B		DRAWING NO.
DESIGNED E.H. DE LEUW, CATHER & CO. DRAWN A.P.S. CHECKED E.H. APPROVED F.W.H.		E-600



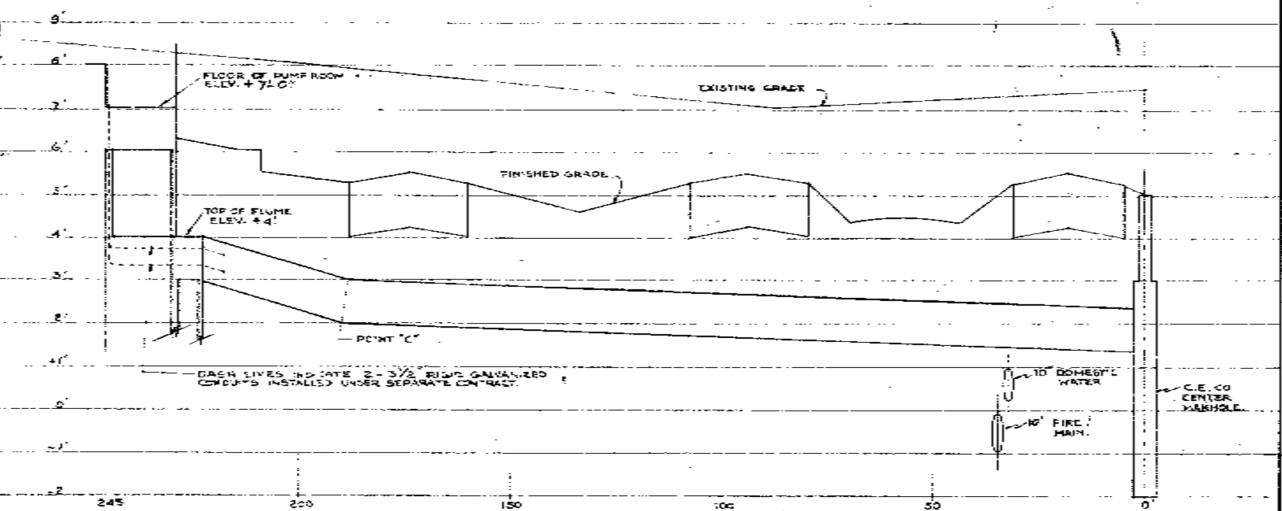
CENTERLINE PROFILE OF CONDUIT RUN - COMMONWEALTH EDISON CO.
WEST MANHOLE TO TRANSIT SHED NO. 1.



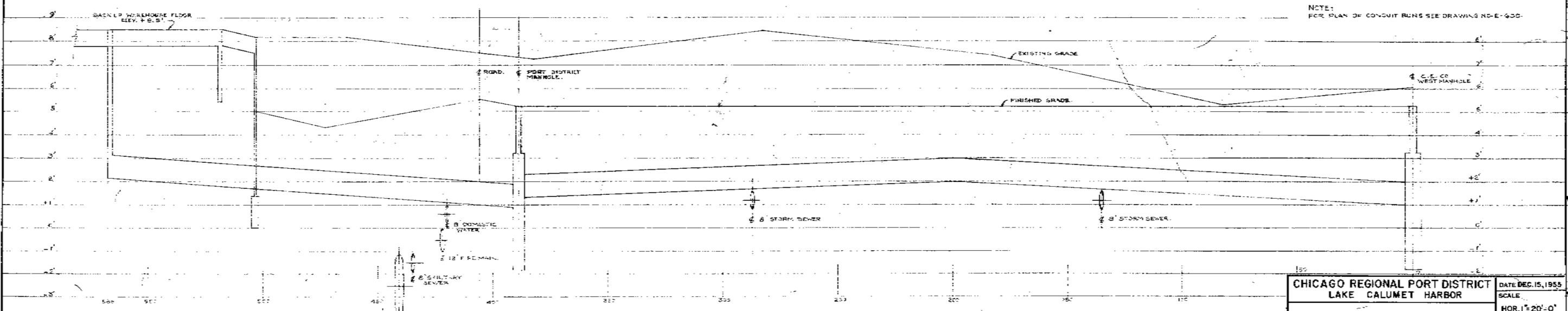
CENTERLINE PROFILE OF CONDUIT RUN - COMMONWEALTH EDISON CO.
CENTER MANHOLE TO TRANSIT SHED NO. 2.



CENTERLINE PROFILE OF CONDUIT RUN - COMMONWEALTH EDISON CO.
EAST MANHOLE TO TRANSIT SHED NO. 3.



CENTERLINE PROFILE OF CONDUIT RUN - COMMONWEALTH EDISON CO.
CENTER MANHOLE TO PORT OFFICE AND SERVICE BUILDING.

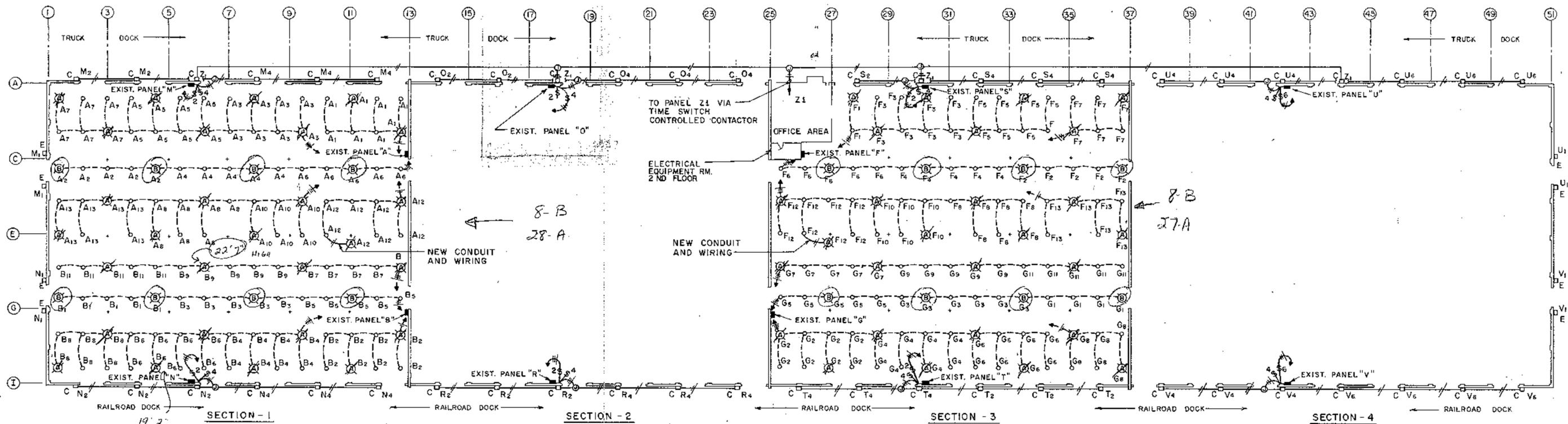


CENTERLINE PROFILE OF CONDUIT RUN - COMMONWEALTH EDISON CO.
WEST MANHOLE TO BACKUP WAREHOUSE.

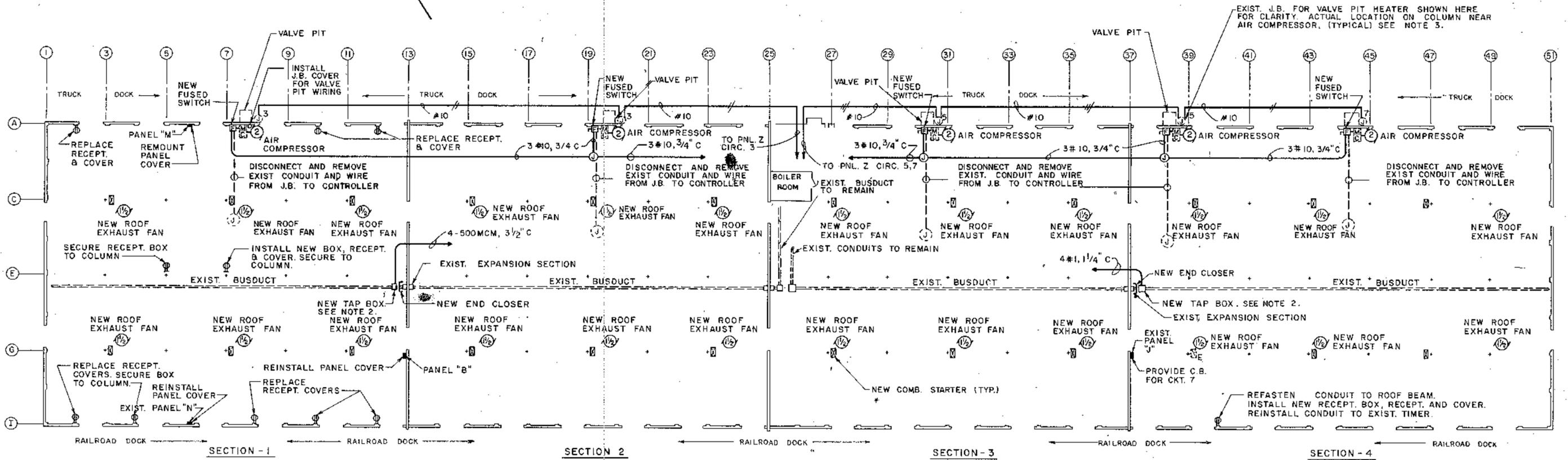
NOTE:
FOR PLAN OF CONDUIT RUNS SEE DRAWING NO. E-600.

CHICAGO REGIONAL PORT DISTRICT LAKE CALUMET HARBOR		DATE DEC. 15, 1955
UNDERGROUND CONDUIT LINES.		SCALE
PROFILES		HOR. 1" = 20'-0"
		VERT. 1" = 2'-0"
		JOB NO. 714-B
		DRAWING NO.
DESIGNED E.K. DRAWN A.P.S. CHECKED E.M. APPROVED F.B.M.	DE LEUW, CATHER & CO. ENGINEERS CHICAGO ILLINOIS	E-601

NO.	DATE	REVISION	BY



LIGHTING PLAN
SCALE: 1/32" = 1'-0"



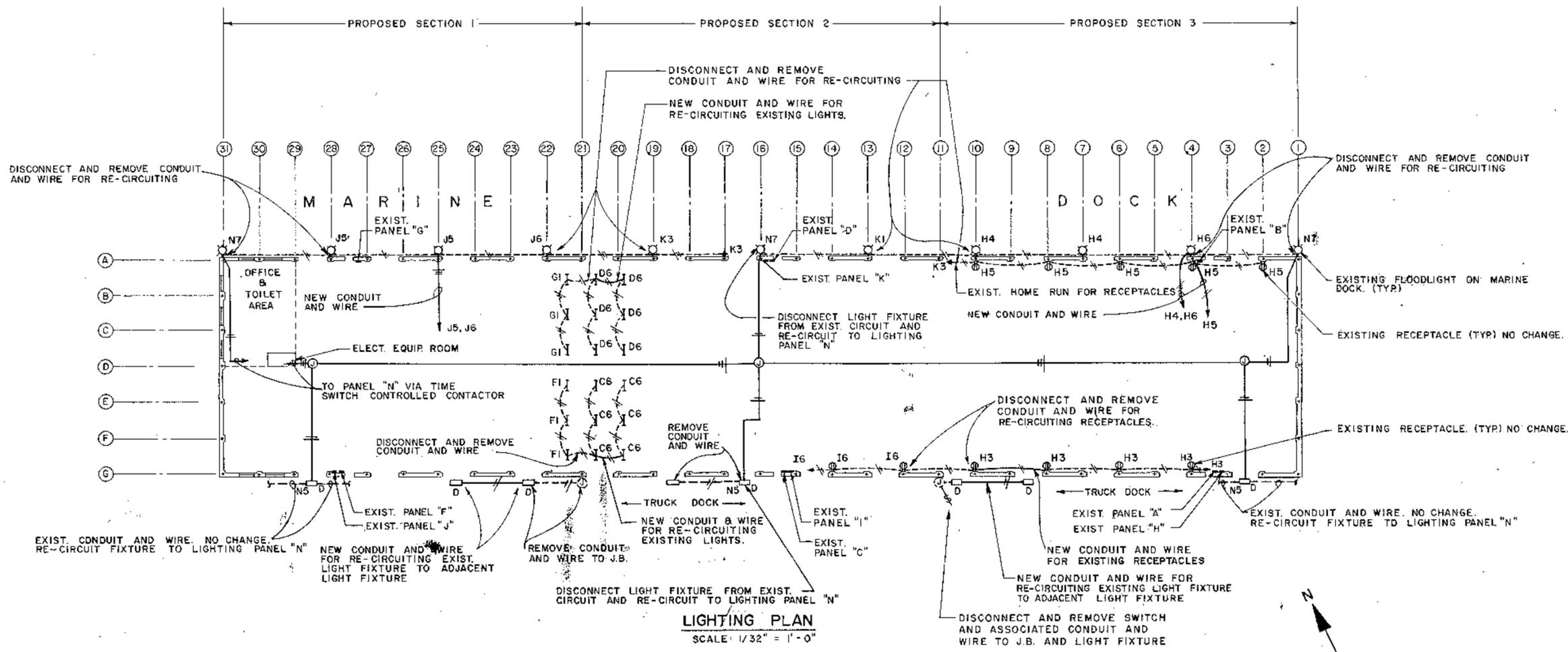
POWER PLAN
SCALE: 1/32" = 1'-0"

- NOTES:**
- SEE DRAWING E-4 FOR SYMBOL LIST AND FIXTURE MOUNTING DETAILS.
 - CONTRACTOR SHALL REMOVE A SECTION OF BUSDUCT FOR INSTALLATION OF TAP BOX. BUSDUCT SECTION MAY BE FROM EITHER SIDE OF WALL. CONTRACTOR SHALL RELOCATE ANY EXIST. PLUG IN SWITCH CONDUIT & WIRE IN REMOVED BUSDUCT SECTION TO ADJACENT BUSDUCT SECTION.
 - DISCONNECT AND REMOVE WIRE AND CONDUIT FROM EXIST. 120/240V LIGHTING PANELBOARD TO JUNCTION BOXES SERVING VALVE PIT HEATERS.

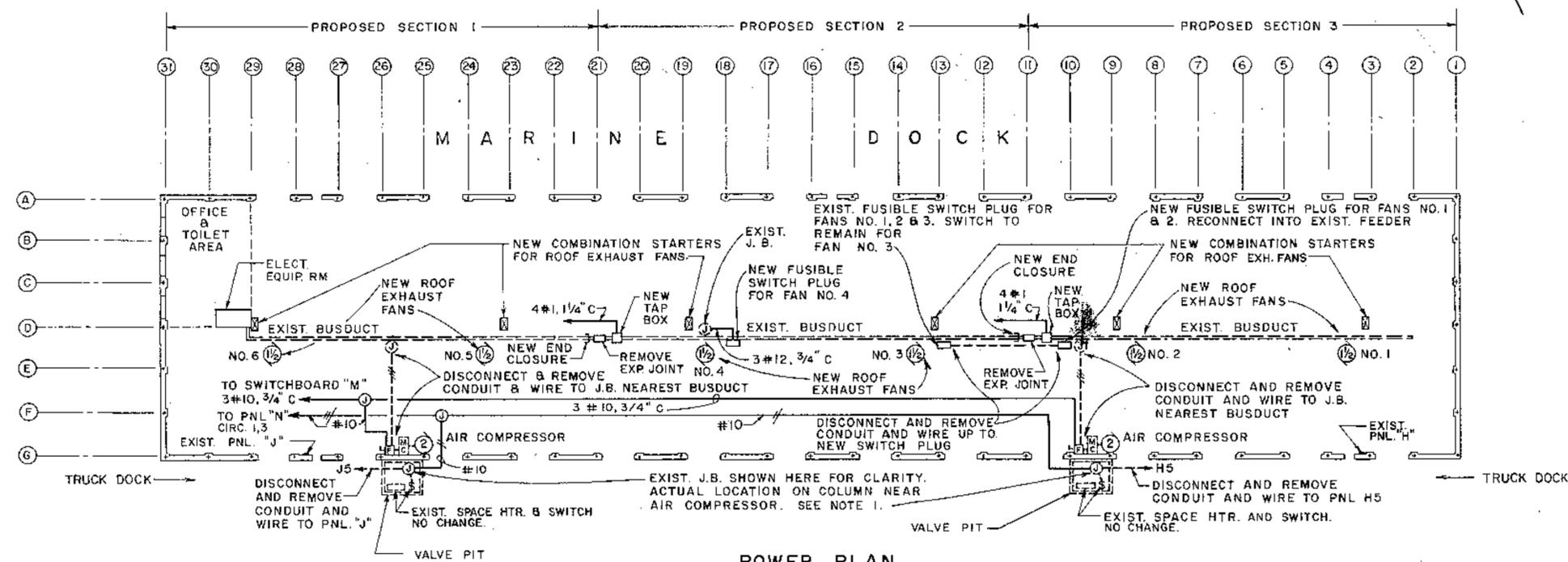
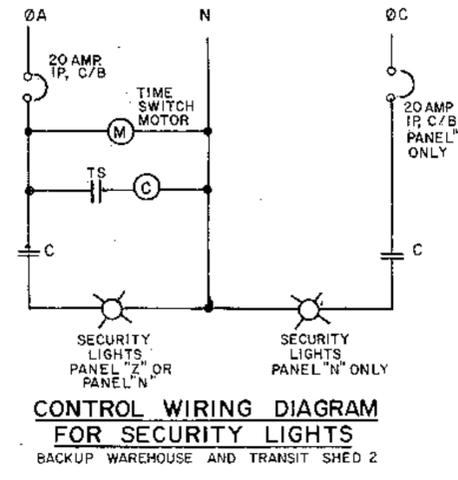
CHICAGO REGIONAL PORT DISTRICT		DATE JUNE 1982	
LAKE CALUMET FACILITIES		SCALE	
BACKUP WAREHOUSE		1/32" = 1'-0"	
POWER PLAN AND LIGHTING PLAN		JOB NO. 3365-00	
		DRAWING NO.	
		E-1	

DESIGNED JJS	DE LEUW, CATHER & COMPANY
DRAWN K.K./NT	ENGINEERS
CHECKED MH	CHICAGO
APPROVED WGH	ILLINOIS

NO.	DATE	REVISION
1	8/03/82	REVISED AND REISSUED



LIGHTING PLAN
SCALE: 1/32" = 1'-0"

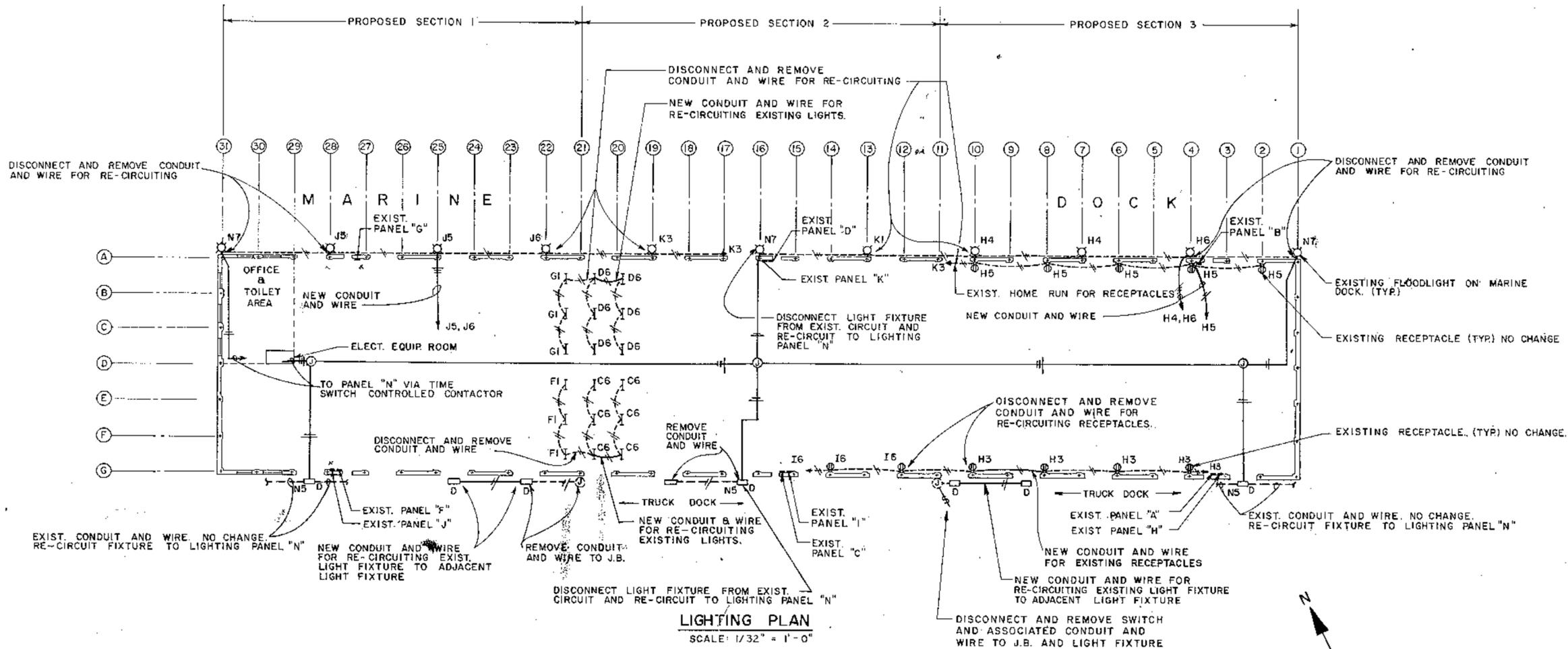


POWER PLAN
SCALE: 1/32" = 1'-0"

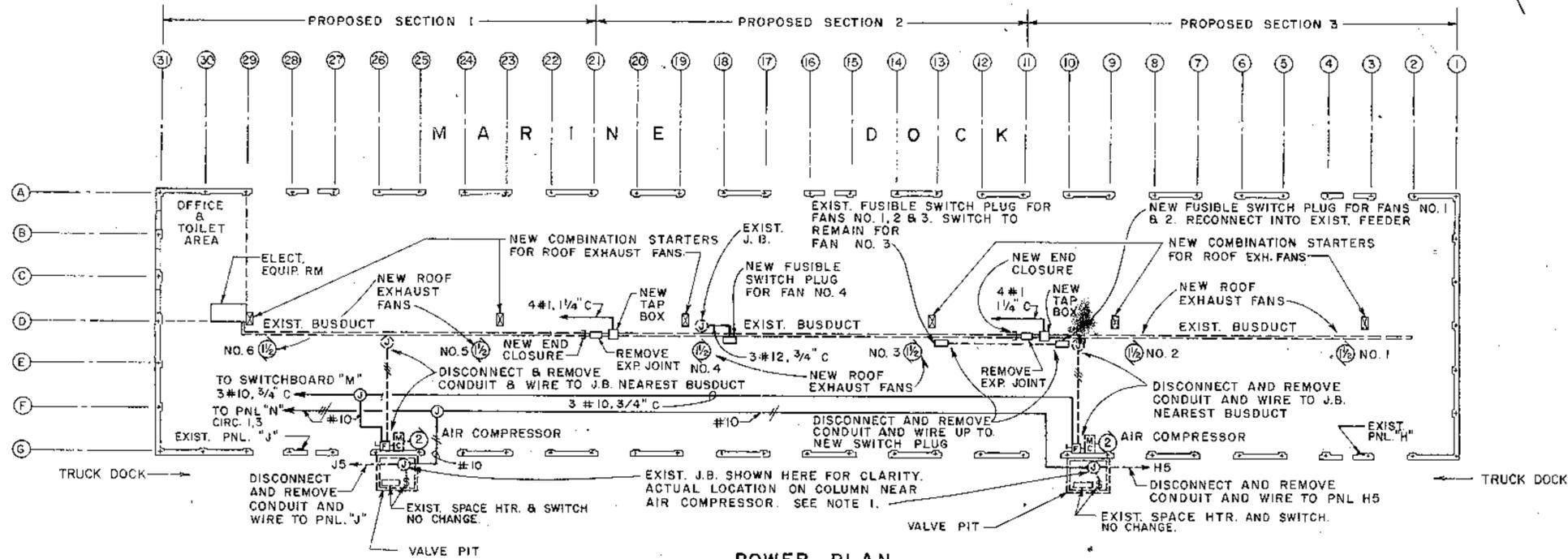
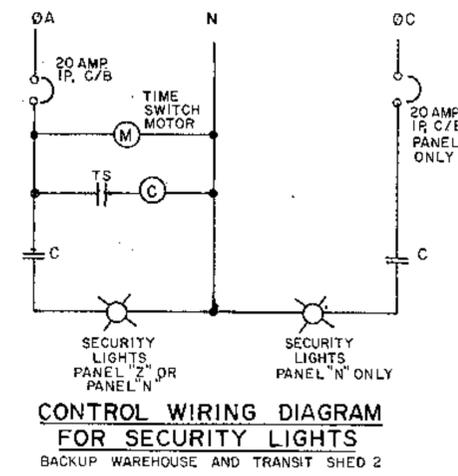
NOTE:
1. DISCONNECT AND REMOVE WIRE AND CONDUIT FROM EXIST. 120/240 LIGHTING PANELBOARDS TO JUNCTION BOXES SERVING VALVE PIT HEATERS.

CHICAGO REGIONAL PORT DISTRICT		DATE JUNE 1982
LAKE CALUMET FACILITIES		SCALE AS NOTED
TRANSIT SHED NO. 2		JOB NO. 3365-00
POWER AND LIGHTING PLANS		DRAWING NO. E-2
DESIGNED JJS	DE LEUW, GATHER & COMPANY	CHICAGO ILLINOIS
DRAWN K.K./NT	ENGINEERS	
CHECKED M.H.		
APPROVED W.C.H.		

NO.	DATE	REVISION
1	8/03/82	REVISED AND REISSUED



LIGHTING PLAN
SCALE: 1/32" = 1'-0"

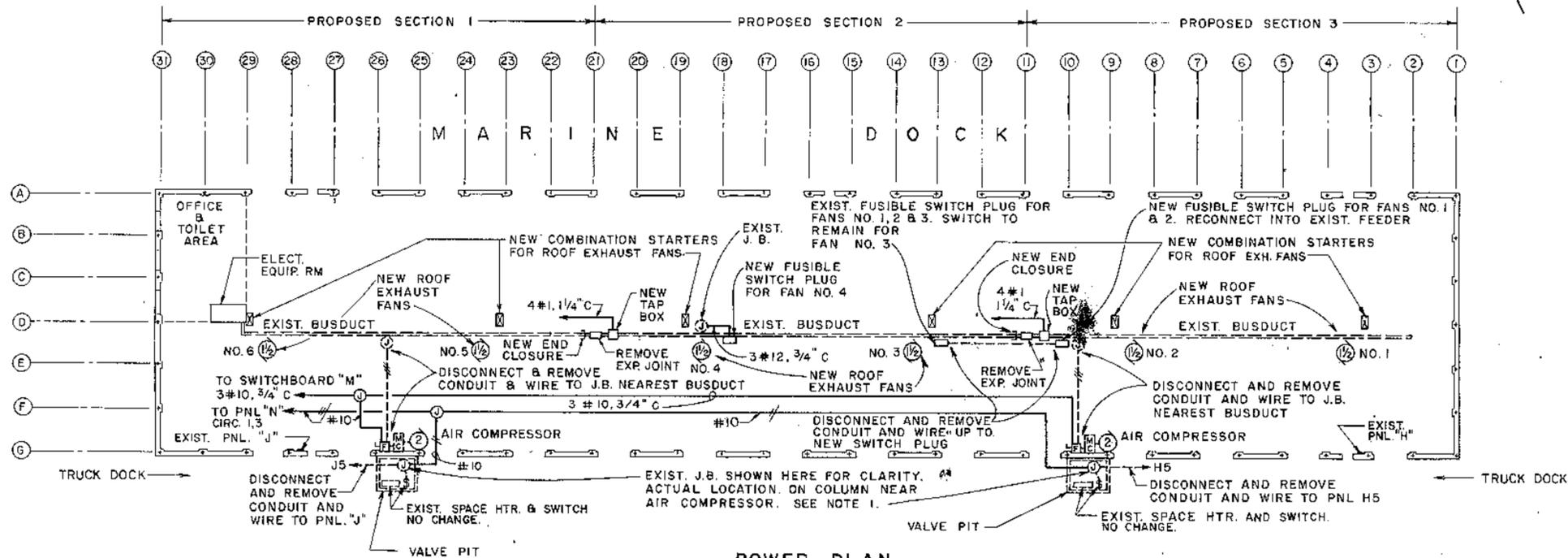
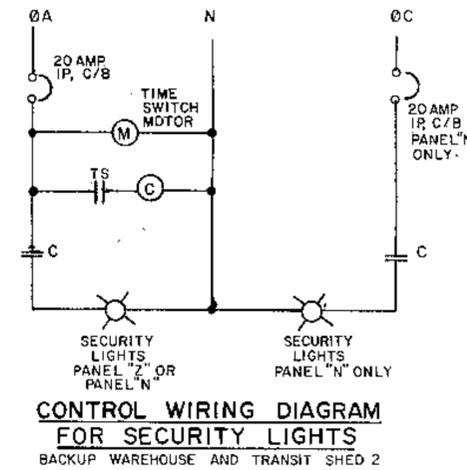
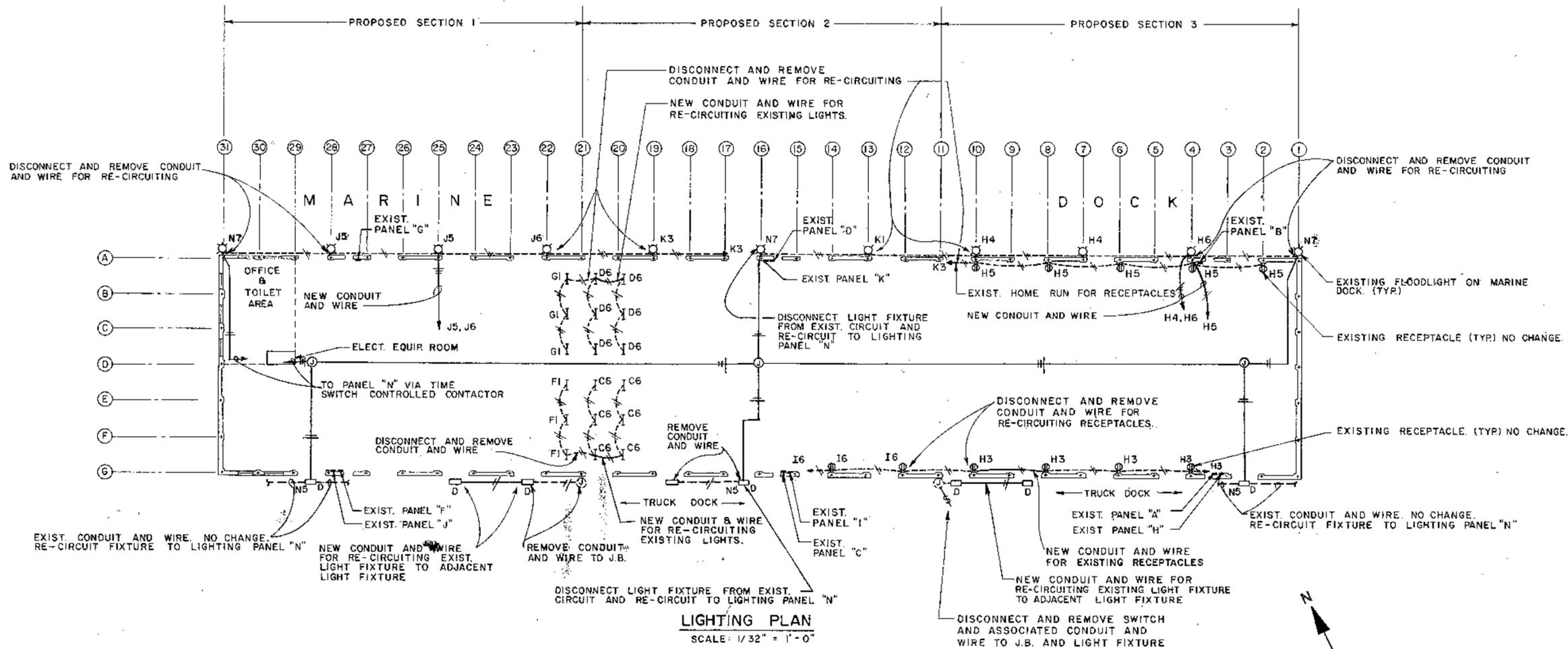


POWER PLAN
SCALE: 1/32" = 1'-0"

NOTE:
1. DISCONNECT AND REMOVE WIRE AND CONDUIT FROM EXIST. 120/240 LIGHTING PANELBOARDS TO JUNCTION BOXES SERVING VALVE PIT HEATERS.

CHICAGO REGIONAL PORT DISTRICT		DATE JUNE 1982
LAKE CALUMET FACILITIES		SCALE AS NOTED
TRANSIT SHED NO. 2		JOB NO. 3365-00
POWER AND LIGHTING PLANS		DRAWING NO. E-2
DESIGNED JJS	DE LEUW, CATHER & COMPANY	
DRAWN KK/NT	CHICAGO ENGINEERS	
CHECKED MM	ILLINOIS	
APPROVED WGH		

NO.	DATE	REVISION
1	8/03/82	REVISED AND REISSUED

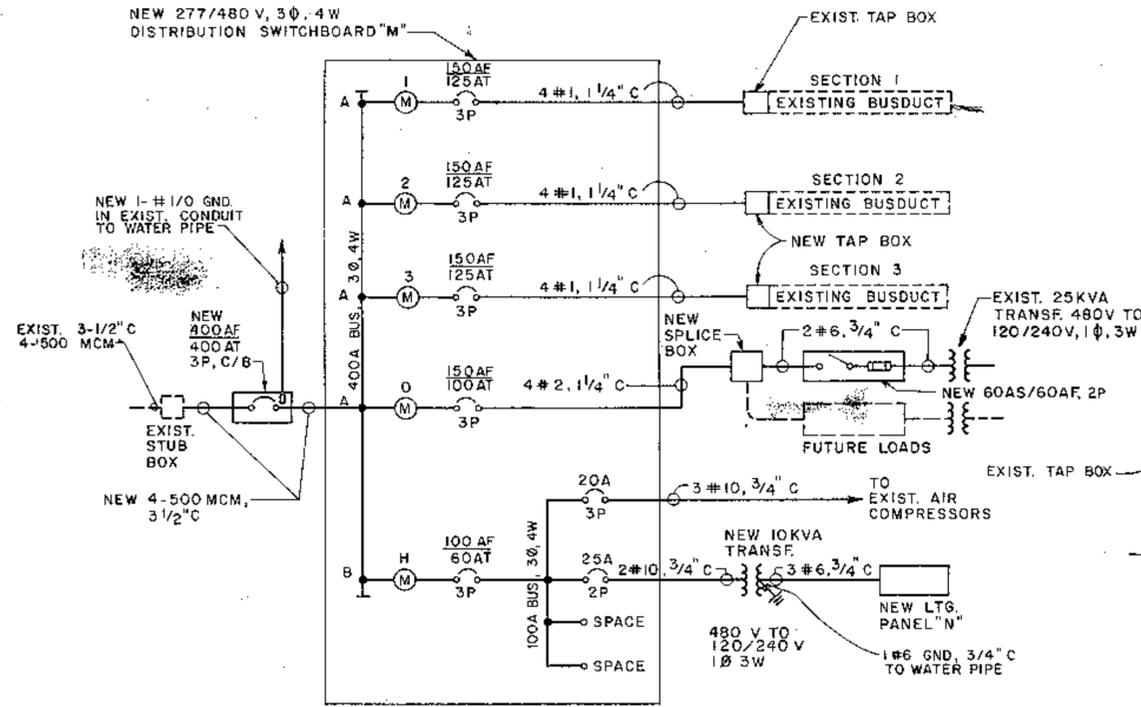


NOTE:

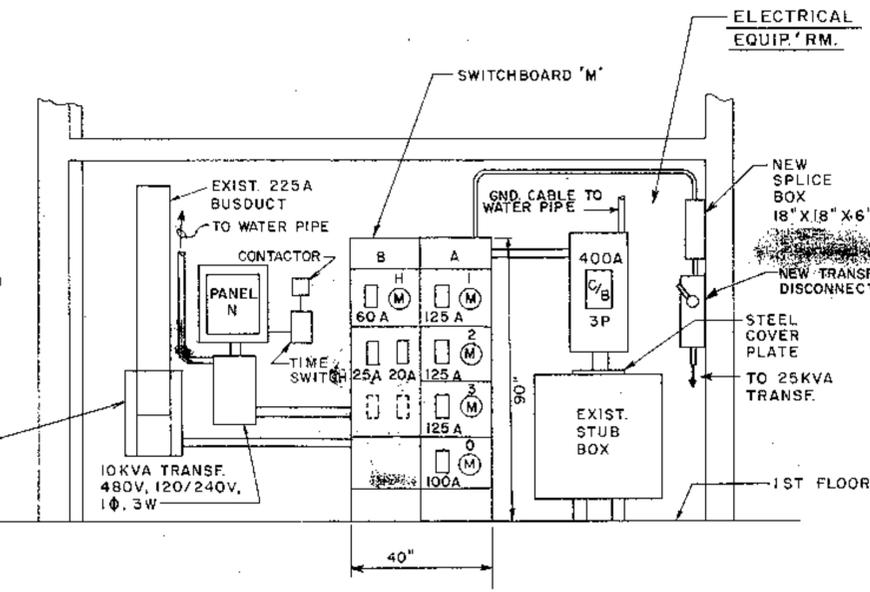
1. DISCONNECT AND REMOVE WIRE AND CONDUIT FROM EXIST. 120/240 LIGHTING PANELBOARDS TO JUNCTION BOXES SERVING VALVE PIT HEATERS.

CHICAGO REGIONAL PORT DISTRICT		DATE JUNE 1982
LAKE CALUMET FACILITIES		SCALE AS NOTED
TRANSIT SHED NO. 2		JOB NO. 3365-00
POWER AND LIGHTING PLANS		DRAWING NO. E-2
DESIGNED JJS	DE LEUW, CATHER & COMPANY	ENGINEERS
DRAWN K.K./NT	CHICAGO	ILLINOIS
CHECKED M.H.		
APPROVED W.B.H.		

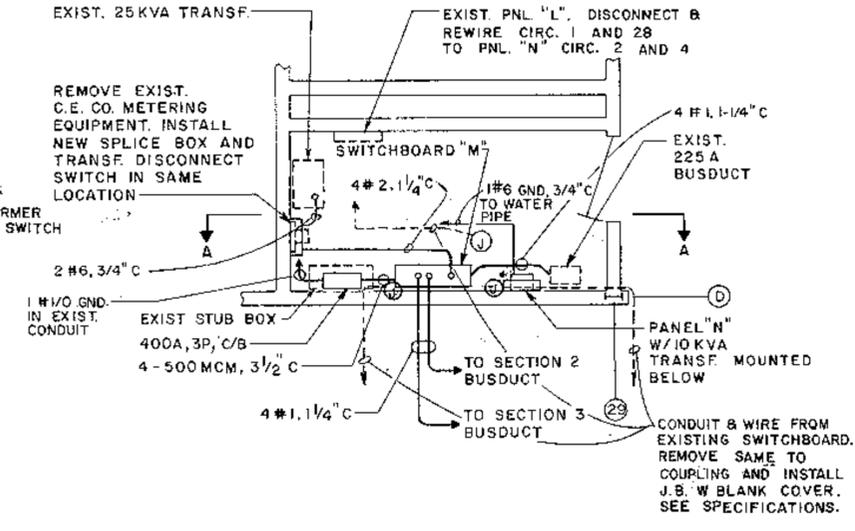
NO.	DATE	REVISION
1	8/03/82	REVISED AND REISSUED



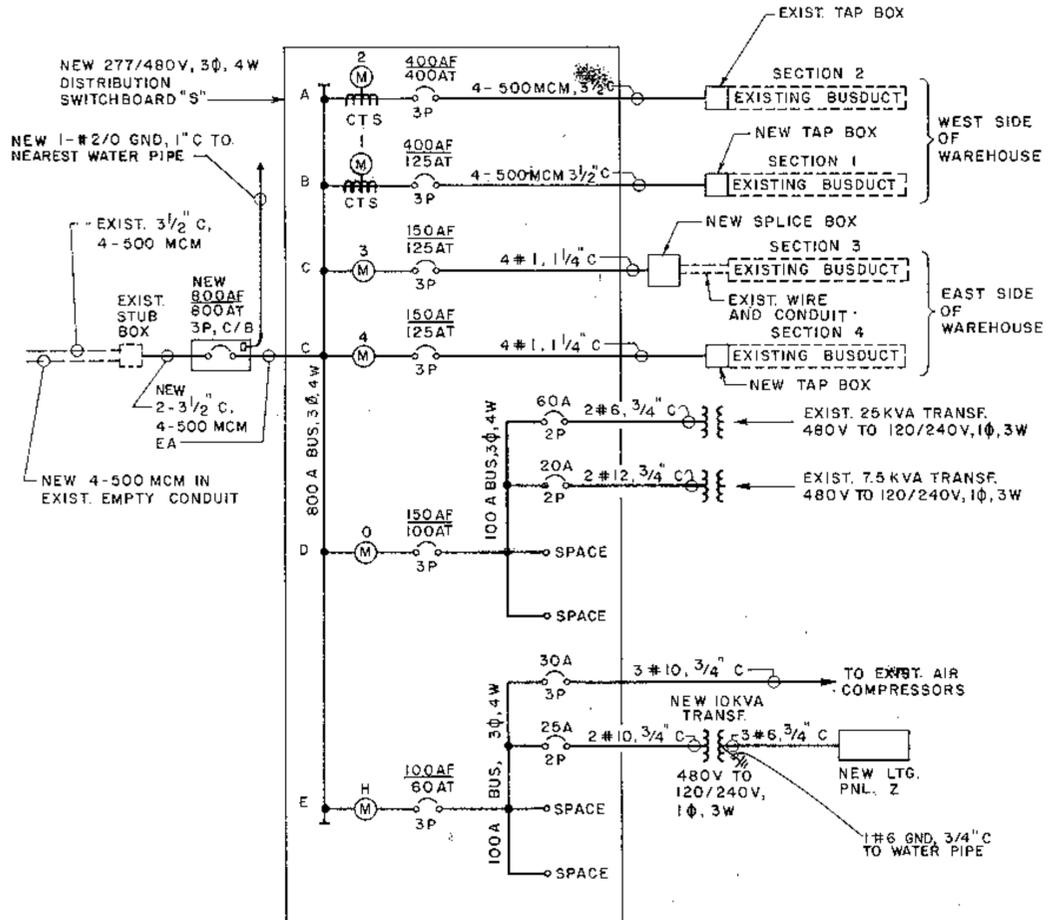
SHED NO. 2
SINGLE LINE DIAGRAM



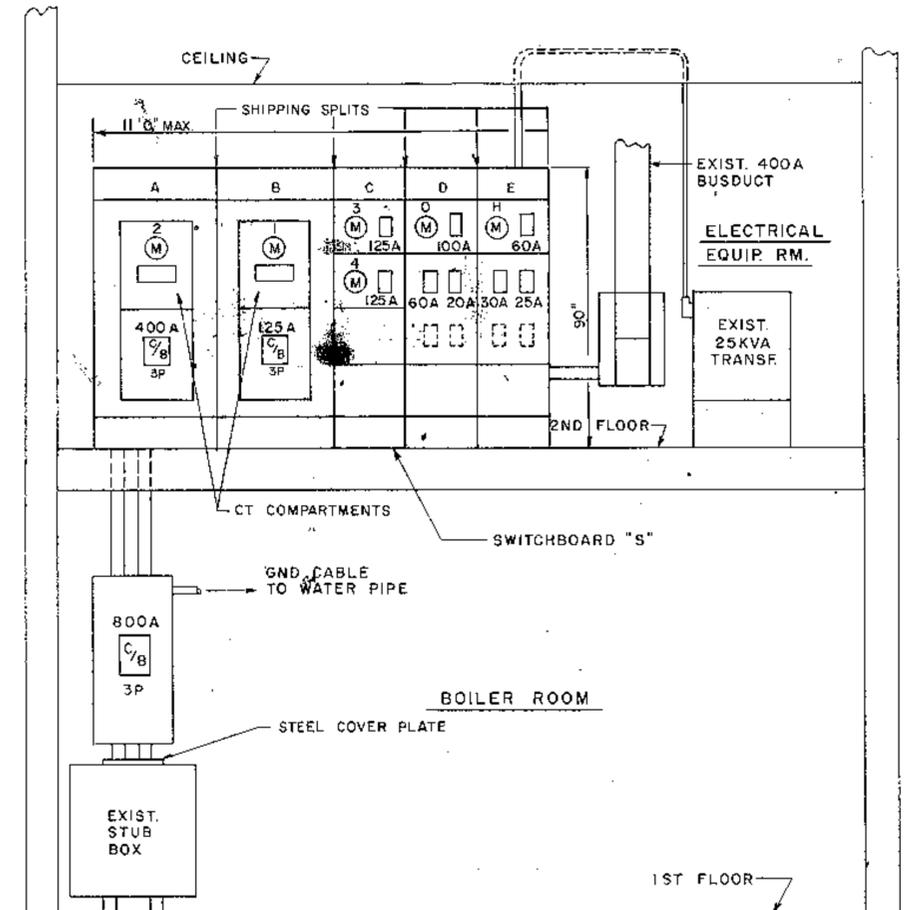
SECTION "A-A"
ARRANGEMENT OF SERVICE ENTRANCE
AND DISTRIBUTION EQUIPMENT
SCALE: NONE



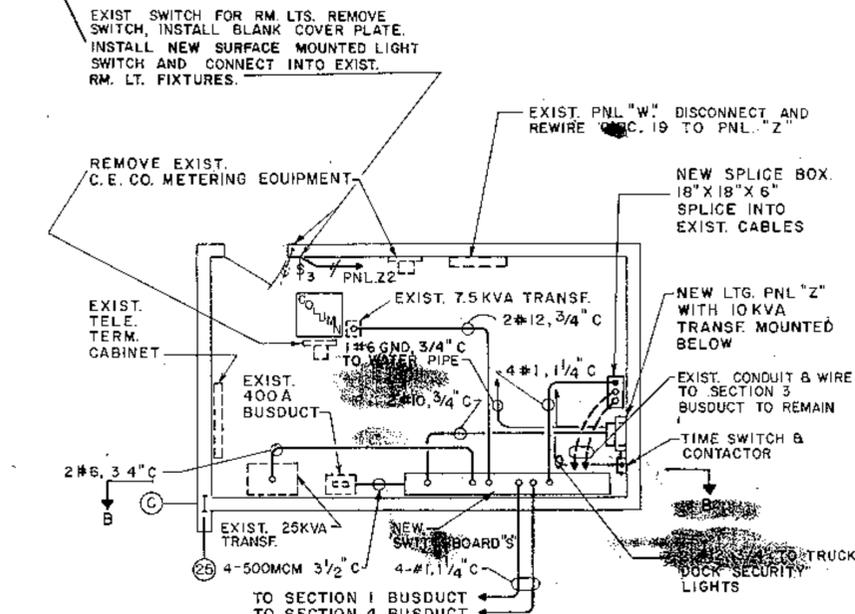
SHED NO. 2
1ST FLOOR ELECTRICAL EQUIP. ROOM
SCALE: NONE



BACKUP WAREHOUSE
SINGLE LINE DIAGRAM



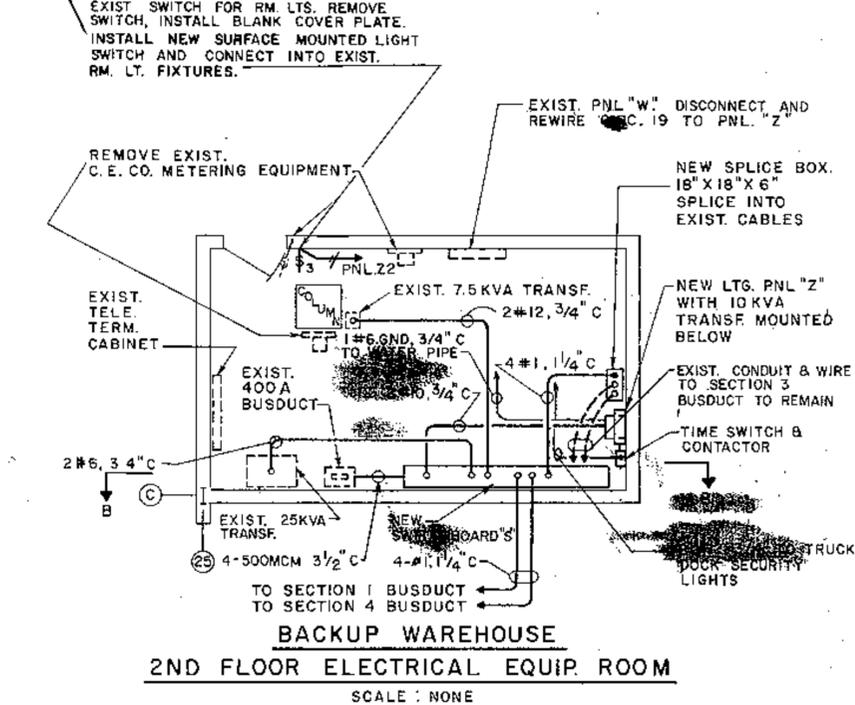
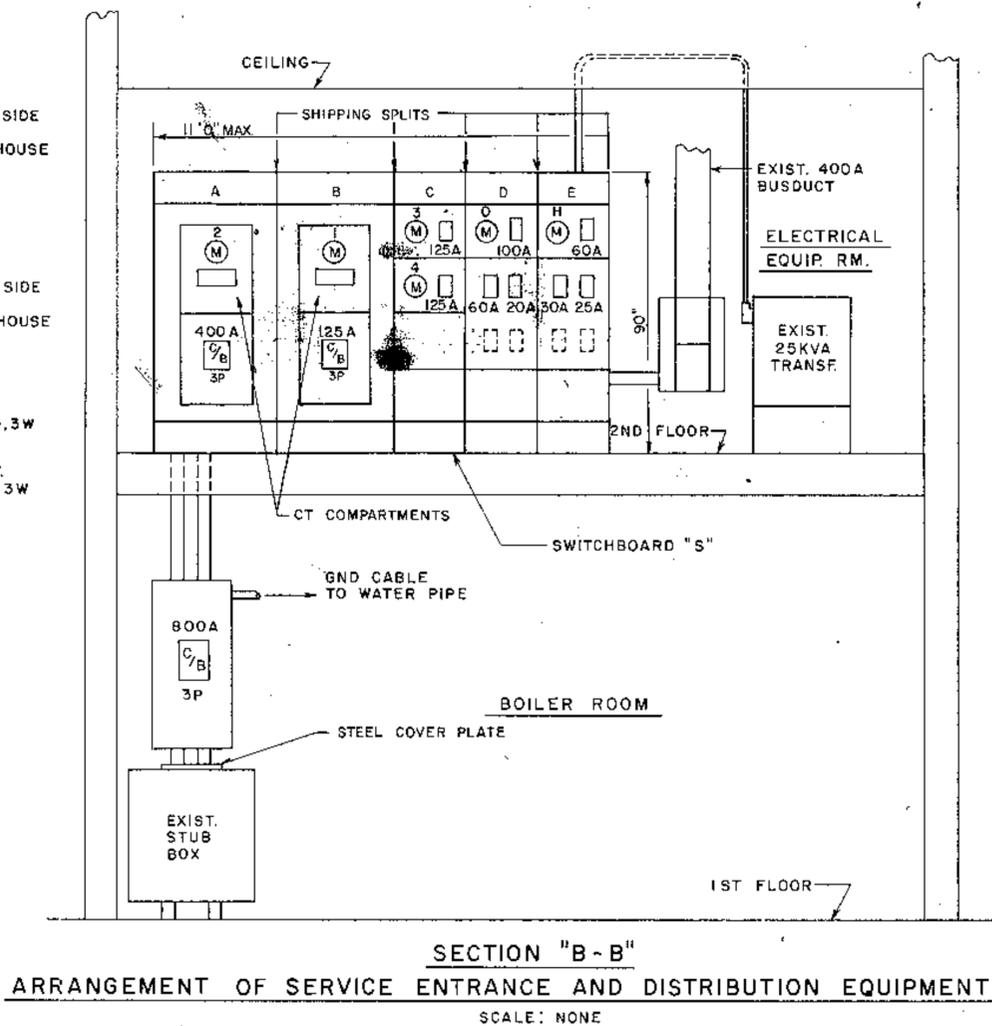
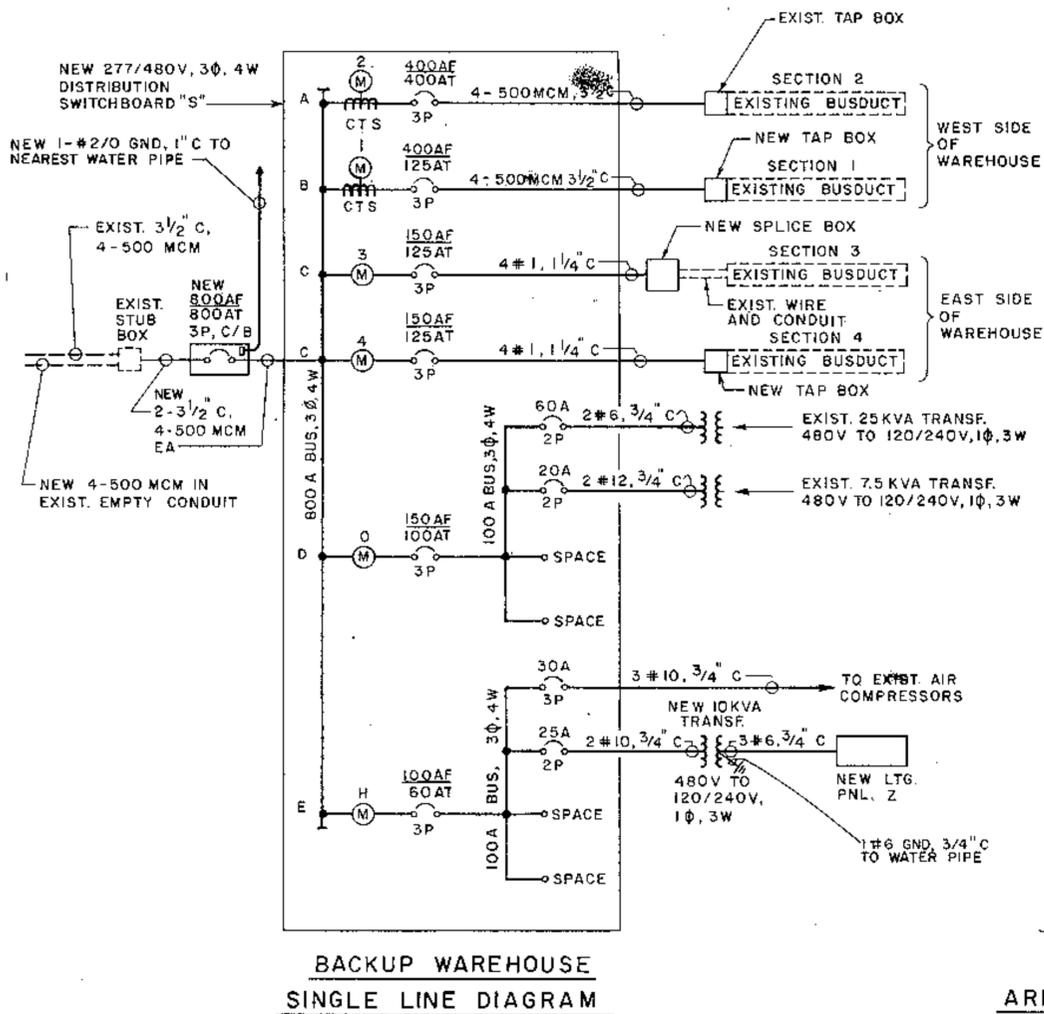
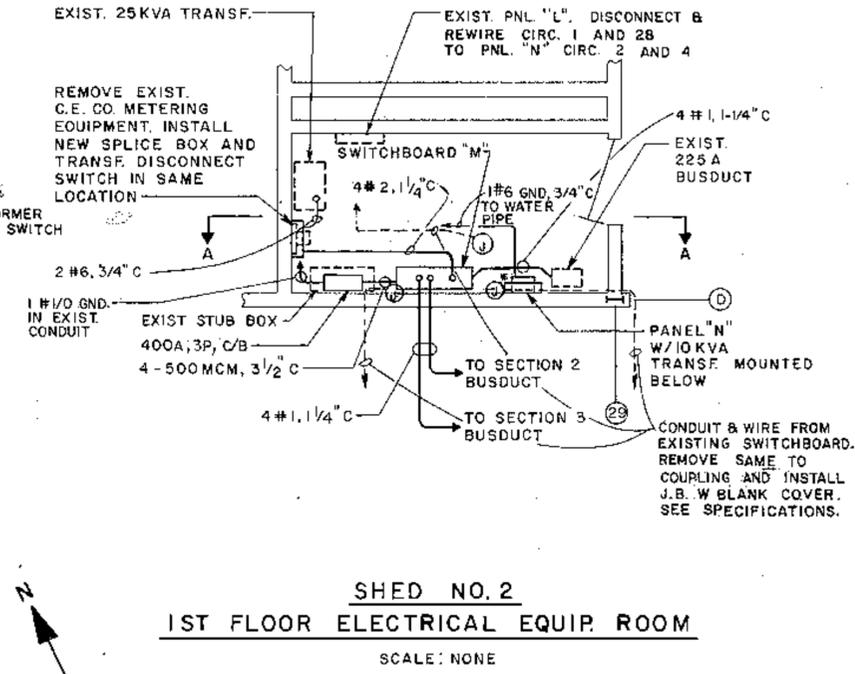
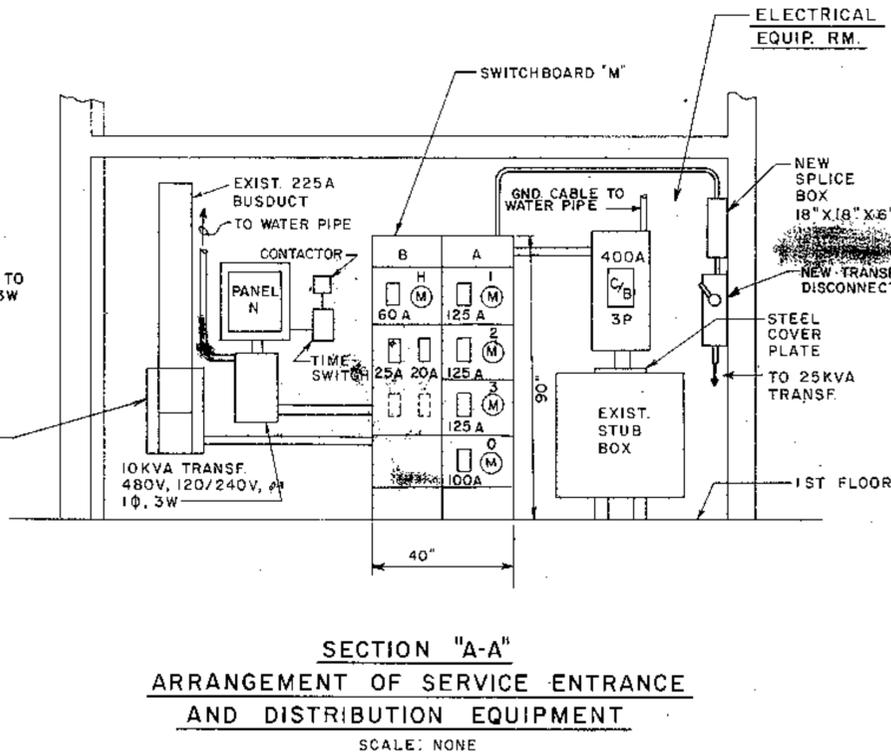
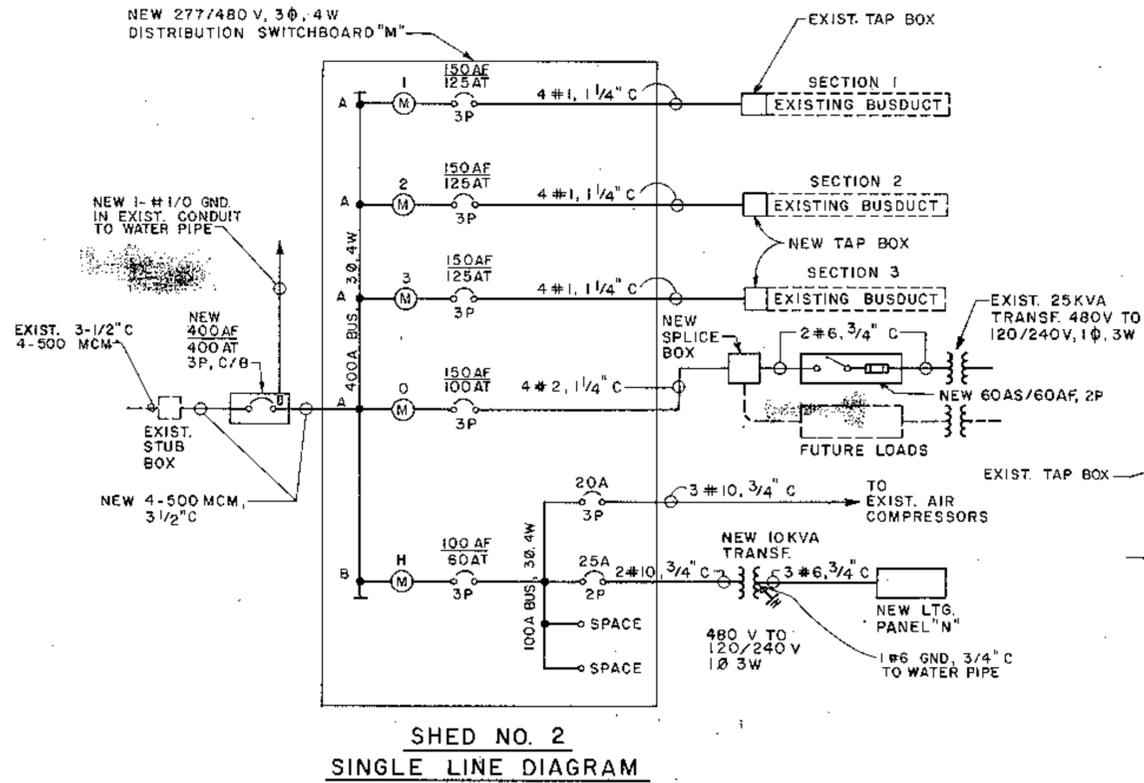
SECTION "B-B"
ARRANGEMENT OF SERVICE ENTRANCE AND DISTRIBUTION EQUIPMENT
SCALE: NONE



BACKUP WAREHOUSE
2ND FLOOR ELECTRICAL EQUIP. ROOM
SCALE: NONE

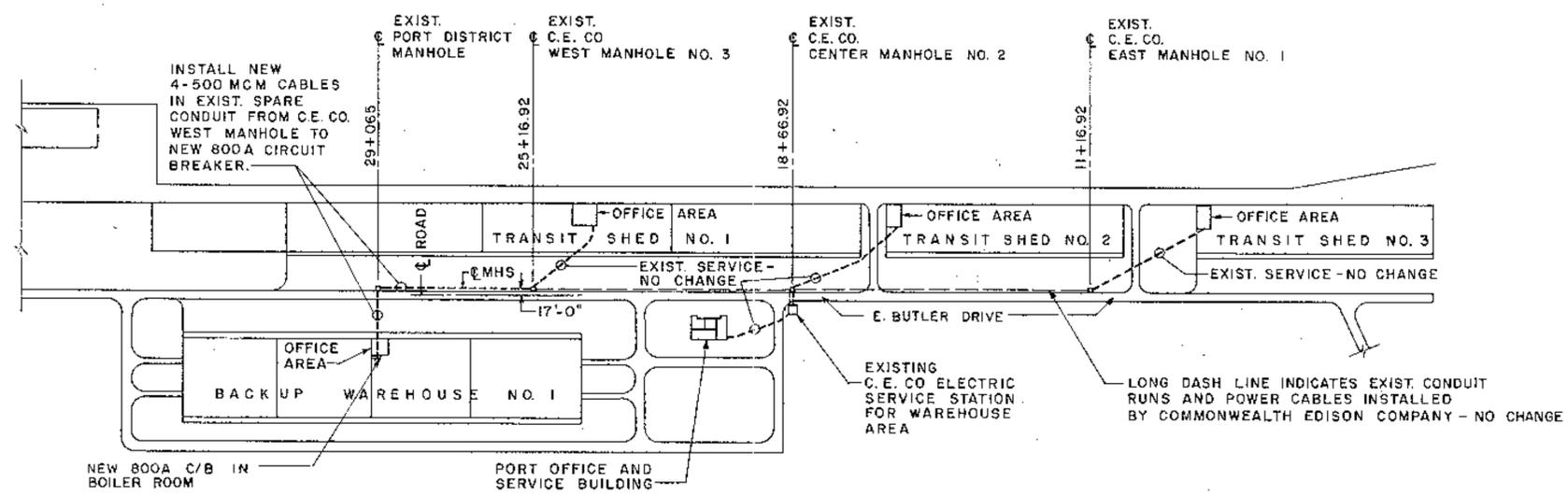
CHICAGO REGIONAL PORT DISTRICT		DATE JUNE 1982
LAKE CALUMET FACILITIES		SCALE
TRANSIT SHED NO. 2		NONE
AND BACKUP WAREHOUSE		JOB NO. 3365-00
SINGLE LINE DIAGRAMS		DRAWING NO.
ELECTRICAL EQUIP. RM. PLANS		E-3

DESIGNED JJS	DE LEUW, CATHER & COMPANY
DRAWN KK/NT	ENGINEERS
CHECKED MH	CHICAGO
APPROVED WGH	ILLINOIS



CHICAGO REGIONAL PORT DISTRICT LAKE CALUMET FACILITIES		DATE JUNE 1982
TRANSIT SHED NO. 2 AND BACKUP WAREHOUSE SINGLE LINE DIAGRAMS ELECTRICAL EQUIP. RM. PLANS		SCALE NONE
JOB NO. 3365-00 DRAWING NO.		E-3

1	8/03/82	REVISED AND REISSUED	DESIGNED JJS DRAWN K.K./NT CHECKED MH APPROVED WGH	DE LEUW, CATHER & COMPANY ENGINEERS CHICAGO ILLINOIS
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PLAN
SCALE: 1" = 200'0"

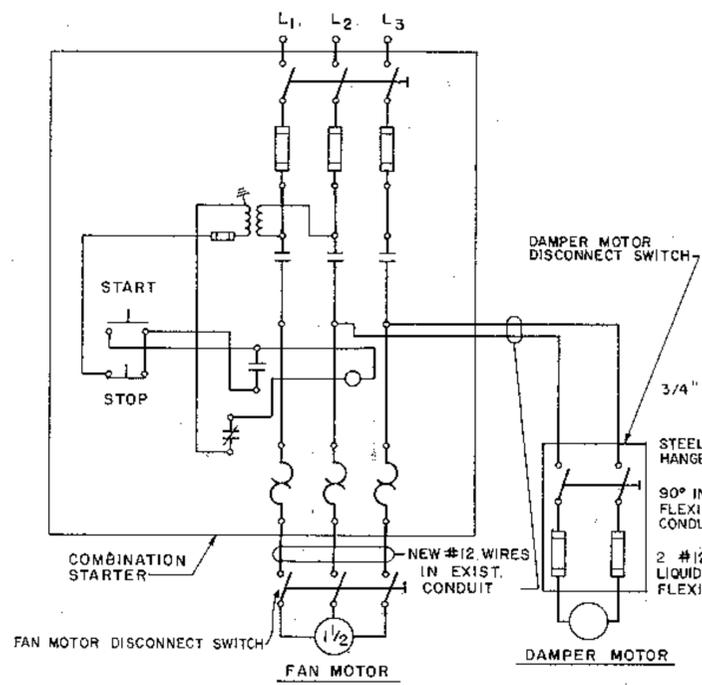
BACKUP WAREHOUSE NO. 1

CKT NO.	BRKR SIZE	PANEL Z-120/240V, 1Ø, 3W, S/N SURFACE MOUNTED-ELEC. EQUIP. RMS.	Ø A	Ø C
1	20A, 1P	TRUCK DOCK SECURITY	7.20	
2		ELECT. RM. LTS.	3.33	
3		VALVE PIT SPACE HEATERS		12.50
4		SPRINKLER ALARMS		2.50
5		VALVE PIT SPACE HEATERS	12.50	
6		SPARE		
7		VALVE PIT SPACE HEATER		6.25
8		SPARE		
9	1P	SPACE		
10				
11				
12				
TOTAL AMPERES PER PHASE			23.03	21.25
TOTAL NO. OF POLES - 12				
MAIN CIRCUIT BREAKER - 50 AMP				

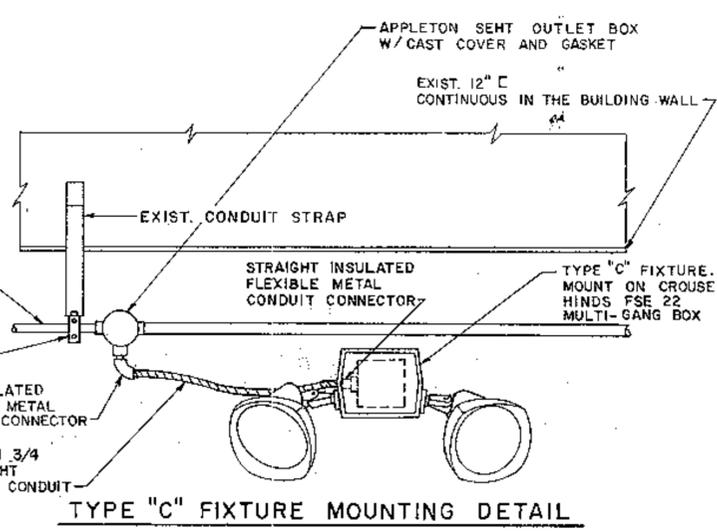
TRANSIT SHED NO. 2

CKT NO.	BRKR SIZE	PANEL N-120/240V, 1Ø, 3W, S/N SURFACE MOUNTED-ELEC. EQUIP. RM.	Ø A	Ø C
1	20A, 1P	VALVE PIT SPACE HEATER	6.25	
2		ELECT. RM. LTS. - 400 W	3.33	
3		VALVE PIT SPACE HEATER		6.25
4		SPRINKLER ALARMS - 300 W		2.50
5		TRUCK DOCK SECURITY LIGHTS	5.40	
6		SPARE		
7		MARINE DOCK SECURITY LIGHTS		12.30
8		SPARE		
9	1P	SPACE		
10				
11				
12				
TOTAL AMPERES PER PHASE			14.98	21.05
TOTAL NO. OF POLES - 12				
MAIN CIRCUIT BREAKER - 50 AMP				

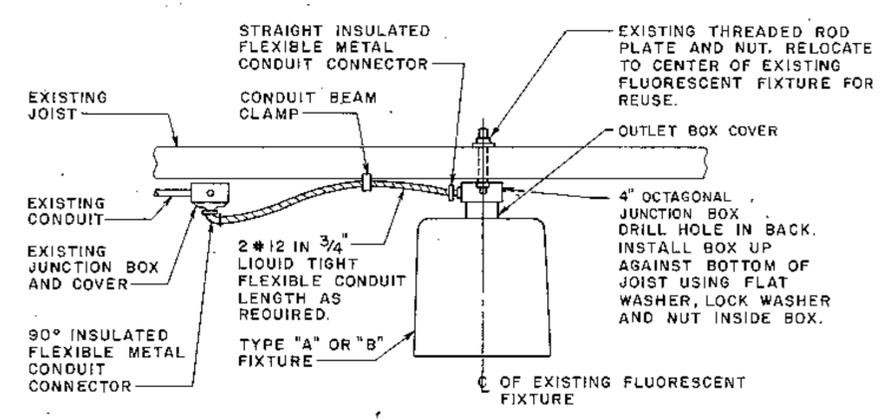
- SYMBOL LIST**
- ⊗ B₁ TYPE A, 250 WATT HIGH PRESSURE SODIUM FIXTURE 277 VOLTS. SUBSCRIPT INDICATES CIRCUIT NO.
 - ⊗ B₆ TYPE B, 250 WATT HIGH PRESSURE SODIUM FIXTURE, 277 VOLTS, WITH AUTOMATIC SWITCHED QUARTZ INSTANT ON SAFETY LIGHT. SUBSCRIPT INDICATES CIRCUIT NO.
 - C TYPE C TWIN-70W HIGH PRESSURE SODIUM FIXTURE, 120 VOLTS. SUBSCRIPT INDICATES CIRCUIT NO.
 - D EXISTING QUARTZ FLOODLIGHT
 - E TYPE C, 70 WATT HIGH PRESSURE SODIUM FIXTURE, 120 VOLTS.
 - EXISTING JUNCTION BOX WITH NEW BLANK COVER.
 - ⊕ NEW JUNCTION BOX.
 - EXISTING CONDUIT TO REMAIN UNLESS OTHERWISE NOTED.
 - #- NEW CONDUIT WITH #12 AWG CONDUCTORS UNLESS OTHERWISE NOTED. HASH MARKS INDICATE NO. OF WIRES.
 - ⊕ MOTOR WITH HORSEPOWER INDICATED.
 - ⊕ NEW COMBINATION MOTOR STARTER. FURNISH NEW WIRING IN EXISTING CONDUIT BETWEEN STARTER AND ROOF EXHAUST FAN.
 - ⊕ E EXISTING ALLEN-BRADLEY COMBINATION MOTOR STARTER TO REMAIN. CHANGE FUSES AND OVERLOADS PER NEW MOTOR REQUIREMENTS.
 - ⊕ F NEW FUSIBLE DISCONNECT SWITCH.
 - ⊕ M C EXIST. AIR COMPRESSOR MOTOR CONTROLLER.
 - ⊕ EXISTING FLUORESCENT FIXTURES.
 - ⊕ DUPLEX RECEPTACLE OUTLET
 - ⊕ 2 LIGHT SWITCH, SUBSCRIPT INDICATES CIRCUIT NO.
 - EXP EXPANSION
 - ⊕ EXISTING JUNCTION BOX



WIRING DIAGRAM FOR ROOF EXHAUST FAN AND DAMPER MOTOR



TYPE "C" FIXTURE MOUNTING DETAIL
NOT TO SCALE



TYPE "A" & "B" FIXTURE MOUNTING DETAIL
NOT TO SCALE

CHICAGO REGIONAL PORT DISTRICT LAKE CALUMET FACILITIES		DATE JUNE 1982
TRANSIT SHED NO. 2 & BACKUP WAREHOUSE		SCALE AS NOTED
MISCELLANEOUS ELECTRICAL DETAILS		JOB NO. 3365-00
		DRAWING NO. E-4
DESIGNED JJS	DE LEUW, CATHER & COMPANY	
DRAWN K/K/NT	ENGINEERS	
CHECKED MH	CHICAGO ILLINOIS	
APPROVED WGH		

NO.	DATE	REVISION
1	8/03/82	REVISED AND REISSUED

RFP ATTACHMENT 7

Gandhi and Associates Report and Recommended Improvements (Phase 1)

[See Following Pages]

ILLINOIS INTERNATIONAL PORT DISTRICT (IIPD) REPORT
AND RECOMMENDED IMPROVEMENTS (PHASE I)



ILLINOIS INTERNATIONAL PORT DISTRICT (IIPD) REPORT AND RECOMMENDED IMPROVEMENTS (PHASE I)

Executive Summary:

The Illinois International Port District (IIPD) is an important multimodal shipping facility that's been serving the area since 1951. The existing underground infrastructure at the site along Butler Dr is aged and requires repairs and upgrades. The recommendations in this report are divided into two groups. The high priority recommendations concern the existing underground cables and infrastructure. The low priority recommendations concern upgrading existing equipment panels for future additional power loads. The existing underground system has been maintained operational but requires a complete overhaul to bring the system up to standard. Existing cables have had to be spliced and power rerouted to maintain power. A new underground conduit and cable system feeding power to the existing 4 sheds is estimated to cost approximately 2M dollars. Additional low priority improvements to replace existing panel equipment to accommodate future electric charging stations, heavy duty crane/hoists equipment, and underground infrastructure to bring power to a future 5th Shed is estimated to cost approximately 163K dollars.

This estimate is based on electrical improvements and does not include any related civil work. It's recommended that this work be included with the Butler Dr project (expected around 2025-2026) to take advantage of minimizing construction time and cost and simplifying coordination with one construction contract.

Existing Conditions:

The IIPD is located in Chicago Illinois at the mouth of the Calumet River in the southwest corner of Lake Michigan; and Senator Dan Dougherty Harbor (Lake Calumet Terminal). It encompasses approximately 1,600 acres of land and includes facilities located six miles inland from Lake Michigan. These facilities include four warehouse Sheds referred to as Shed #1, Shed #2, Shed #3, and Shed #4. These four sheds are located between the Calumet River and Butler Dr, just east of Interstate 94 (I-94).

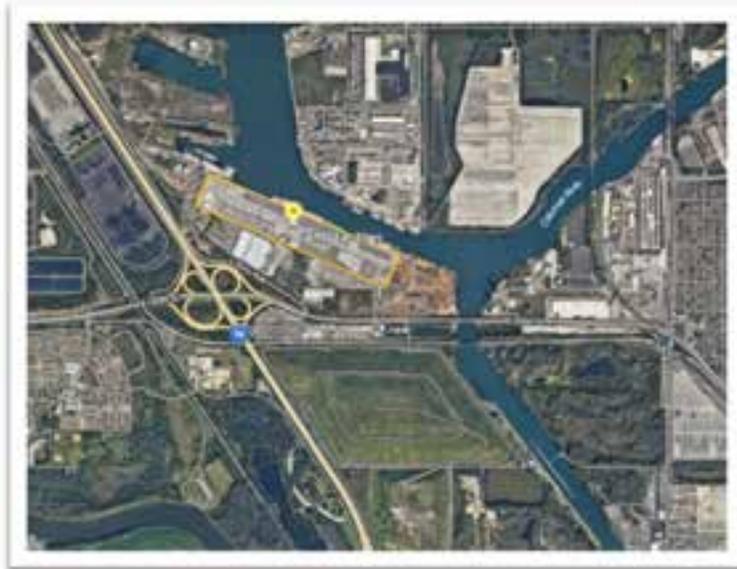


Figure 1 - Site Location



Figure 2 - Site Layout

Currently these four Sheds are being powered from the COMED Electric Utility Transformer (TX No. 1000185445, TX #1) located south of the east end of Shed #1 right across and underground vault (Vault #2). Shed #1 is fed directly from TX #1 via a #500MCM set of cables. Shed #2 is fed from a splice in Vault #2 coming from the TX #1. The cable size from TX #1 to Shed #2 is #500MCM set of cables. Shed #3 is fed from a splice in Vault #1. The cable feeding Shed #3 from the splice is #500MCM set of cables. Shed #4 is fed from a splice in Vault #3. This power feed is from the same transformer TX #1 and is spliced into the same power lines feeding Sheds #2 and 3. Cable sizes are based on information from



Future Expansion:

Future improvements to the Port include a prospective new shed on the vacant land across from Shed #2. This new prospective Shed is expected to be comparable with Shed #4. In addition to the new shed the port is expecting to install electric charging stations for heavy duty equipment and electric cranes/hoists. Considering standard forklift running 8 hours a day with 8-hour charge time, and 8-hour cool down time we would recommend including capacity for 3 chargers for each location/shed. For the Crane/Hoist we suggest including 1 for each of Sheds #1, #2, #3, and 2 at each shed for Shed #4 and the new shed #5.

Proposed Improvements:

Based on the existing plans and information from recent repairs the underground cables feeding Shed #1 and 4 are drastically undersized. Shed #1 has 4 separate services being fed from a single power feed causing blown fuses. Cables feeding Shed #2 and 3 are also undersized based on the max switch/circuit breaker sizes and maintaining a voltage drop of 3%.

The recommended improvement for all sheds is to provide new service cables to each shed. This will require installing new underground infrastructure and service cables. A conceptual proposed conduit and cable plan is provided at the end of this report. The conceptual plan provides conduit and cable routing over the Bulter Dr topo, utility and drainage linkwork provided by IIPD. This is a highly recommended update that will provide a solution to alleviate the blown fuses issue in Shed #1, eliminate the codependence of the multiple facilities from a single cable run, properly size cables for voltage drop and future improvements, and provide required infrastructure to connect a possible Shed #5 in the future. During this phase of design, based on our preliminary routing and loads we recommend the following feeder sizes to each shed: Shed #1 at a 850' run use 3 sets of 4-1\C-500 kcmil, Shed #2 at a 660' run use 1 set of 4-1\C-500 kcmil, Shed #3 at a with 1560' run use 3 sets of 4-1\C-500 kcmil, Shed #4 at a 1560' run use 5 sets of 4-1\C-500 kcmil. Cable sizes should be verified in phase 2 based on load, final conduit routing and associated voltage drops.

At Shed #1 recommended improvements are to install a new service power feed to a new 800A group metering main circuit breaker, a new 300A circuit breaker for Shed #1 power feed and rewiring all remaining service installations from the new 800A group metering main circuit breaker. The new 300A circuit breaker for Shed #1 will provide enough capacity for all existing equipment (estimated based on pk load of 35A) and additional expected load from future additions of electric crane/hoist (estimated at 40A) and three forklift charging stations (estimated at 20A each for a total of 60A), and future expansion. Currently there are 4 meters in this building fed from a single service entrance. This is most likely the cause of the blown fuses. The draw from the Shed and docked ships at a single moment exceeded the fuses capacity. Our recommendation is to install a new service feed to a new 800A group metering main circuit breaker that will have the capacity to deliver power to each service.



GANDHI AND ASSOCIATES, INC.

ENGINEERS AND PLANNERS

At Shed #2 recommended improvements are to install a new service power feed to the existing 400A circuit breaker. The existing peak load is estimated to be 17.5A. The additional future load from prospective electric crane/hoist (estimated at 40A) and three forklift charging stations (estimated at 20A each for a total of 60A) is an additional 100A. It's recommended to install a new 200A circuit breaker for Shed #2.

At Shed #3 recommended improvements are to install a new service power feed to a new 400A group metering main circuit breaker. The existing peak load is estimated to be 17.5A. The additional future load from prospective electric crane/hoist (estimated at 40A) and three forklift charging stations (estimated at 20A each for a total of 60A) is an additional 100A. It's recommended to install a new 200A circuit breaker for Shed #3.

At Shed #4 recommended improvements are to install a new service power feed to the existing main circuit breaker and install a new 300A circuit breaker for Shed #4 power feed. The new 300A circuit breaker for Shed #4 will provide enough capacity for all existing equipment (estimated based on pk load of 35A) and additional expected load from future additions of two electric crane/hoist (estimated at 40A each for a total of 80A) and three forklift charging stations (estimated at 20A each for a total of 60A), and future expansion.

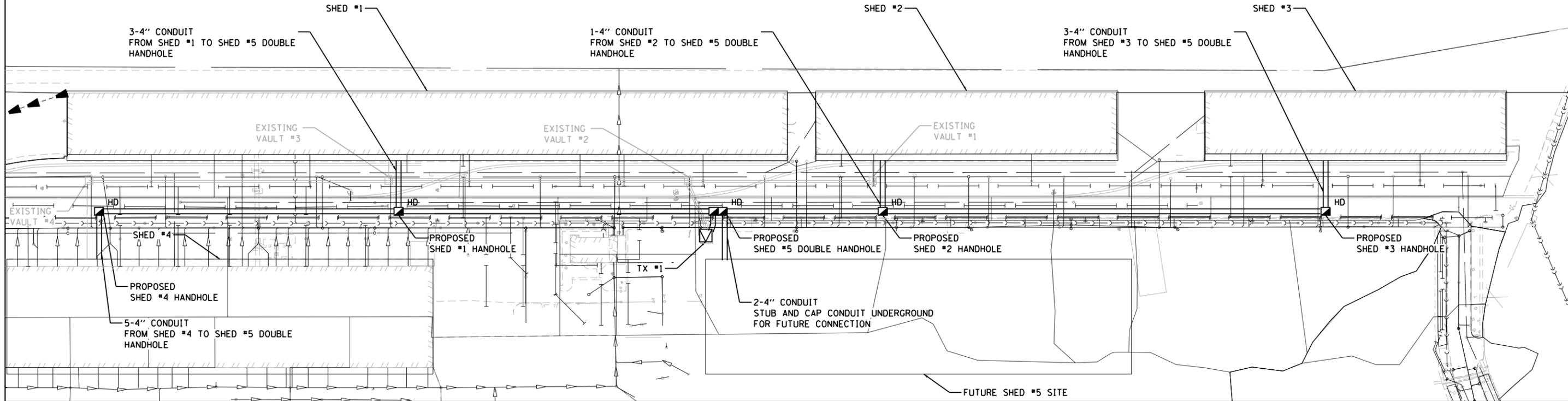
For the future site of Shed #5 we recommend extending the proposed underground conduit infrastructure and installing an underground vault to feed Shed #5. Cables are not expected to be installed until Shed #5 is constructed.

Estimated Costs:

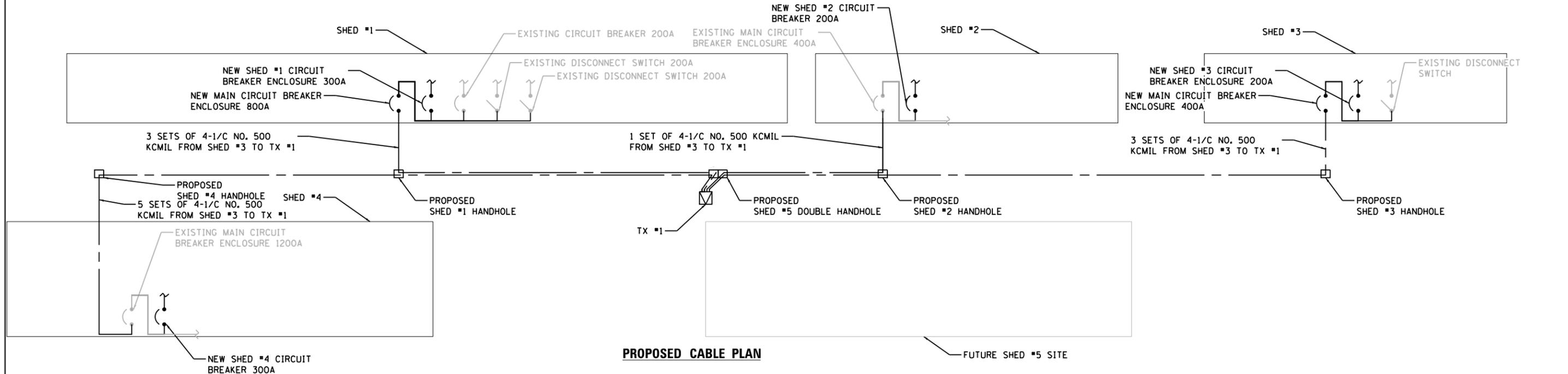
Proposed Improvement	Priority	Estimated Cost
New Vaults (5)	Low	\$25,000.00
Shed #1 Conduit and Cable	High	\$185,300.00
Shed #1 New 800A Breaker	High	\$34,400.00
Shed #1 New 300A Breaker	Low	\$28,400.00
Shed #2 Conduit and Cable	High	\$487,080.00
Shed #2 New 200A Breaker	Low	\$21,450.00
Shed #3 Conduit and Cable	High	\$487,080.00
Shed #3 New 400A Breaker	Low	\$28,400.00
Shed #3 New 200A Breaker	Low	\$21,450.00
Shed #4 Conduit and Cable	High	\$836,800.00
Shed #4 New 300A Breaker	Low	\$28,400.00
Shed #5 Conduit	Low	\$10,000.00
Subtotal of High Priority Work		\$2,030,660.00
Subtotal of Low Priority Work		\$163,100.00
Total of all Work		\$2,193,760.00

LEGEND

-  PROPOSED CONDUIT, SIZE AS INDICATED ON PLANS
-  ELECTRIC CABLE IN CONDUIT, SIZE AS INDICATED ON PLANS
-  HEAVY DUTY HANDHOLE
-  EXISTING TRANSFORMER
-  CIRCUIT BREAKER, SIZE AS INDICATED ON PLANS
-  DISCONNECT SWITCH, SIZE AS INDICATED ON PLANS



PROPOSED CONDUIT ROUTING PLAN



PROPOSED CABLE PLAN

FILE NAME =	USER NAME = mabdo	DESIGNED -	REVISED -
K:\PROJECTS\Projects 2022\22-11PD-503-1E-CCDOTH-W014\Exhibits\Conduit Routing.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/18/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED CONDUIT AND CABLE PLAN

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				