

PROJECT TEAM

OWNER:
Lewis Central Community School District
4121 Harry Langdon Blvd,
Council Bluffs, IA 51503
Phone: (712) 366-8202

ARCHITECT:
BCDM Architects
1015 North 98th Street, Suite 300
Omaha, NE 68114
Phone: (402) 391-2211
Fax (402) 391-8721

CIVIL ENGINEER:
Lamp Rynearson
14710 W. Dodge Rd. Suite 100
Omaha, NE 68154
Phone: (402) 496-2498

ELECTRICAL ENGINEER:
Morrissey Engineering
4940 N 118th St.
Omaha, NE 68164
Phone: (402) 491-4144
Fax: (402) 491-4146

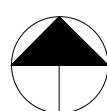
STRUCTURAL ENGINEER:
Klare Structural Engineering
302 South 51st Street
Omaha, NE 68132
Phone: (402) 889-6951

CODES:

2015 International Building Code
Iowa State Plumbing Code (2024 Uniform Plumbing Code)
Iowa State Mechanical Code (2024 International Mechanical Code)
2015 International Fuel Gas Code
2023 National Electrical Code
2015 International Fire Code
2015 NFPA 101 Life Safety Code
2010 ADA Standards for Accessible Design
2012 International Energy Conservation Code
2018 International Existing Building Code

PROJECT ADDRESS:
4125 HARRY LANGDON BLVD,
COUNCIL BLUFFS, IA 51503

PROJECT LOCATION



VICINITY MAP

NOT TO SCALE

TITAN HILL EXTERIOR ENVELOPE

4125 HARRY LANGDON BLVD, COUNCIL BLUFFS, IA 51503

BCDM NO: 5551-03

SCHEDULE OF DRAWINGS

GENERAL

G0-0 COVER SHEET

CIVIL

C0-1 CIVIL LEGEND SHEET

C1-1 ORIGINAL TOPOGRAPHIC SURVEY - FOR INFORMATION ONLY

C1-2 SITE PLAN

ARCHITECTURAL

PLANS

AD1-1 DEMOLITION PLAN

A1-1 FLOOR PLAN

EXTERIOR ELEVATIONS

A2-1 EXTERIOR ELEVATIONS

DOORS AND WINDOWS

A4-1 DOORS AND WINDOWS

STRUCTURAL

S0-0 GENERAL STRUCTURAL NOTES

S1-0 FOUNDATION AND LINTEL PLAN & DETAILS

ELECTRICAL

E0-0 ELECTRICAL COVER SHEET

ED1-0 FIRST FLOOR - ELECTRICAL DEMO

E1-0 FIRST FLOOR - ELECTRICAL

GENERAL NOTES

- CONTRACTOR SHALL REVIEW CONTRACT REQUIREMENTS AND PROCEDURES OUTLINED IN THE SPECIFICATIONS. THE WORK OUTLINED IN THE DRAWING AND SPECIFICATIONS SHALL BE INCORPORATED INTO THE GENERAL CONTRACT. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS, METHODS AND MEANS REQUIRED TO EXECUTE THE GENERAL CONTRACT AND PROVIDE A FINISHED PRODUCT.
- PROTECT ALL SITE LOCATIONS THAT ARE NOT DESIGNATED FOR REMOVAL. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ALL DIMENSIONS ARE TO FACE OF FINISHED WALL, UNLESS NOTED OTHERWISE. REVIEW PLACEMENT OF WALLS WITH DETAILS AND FURNISHINGS, CASEWORK, OR MECHANICAL AND ELECTRICAL ITEMS. REVIEW ANY DISCREPANCIES WITH ARCHITECT PRIOR TO CONSTRUCTION AND/OR FABRICATION. ALL DIMENSIONS ARE FOR BIDDING PURPOSES ONLY. ACTUAL FIELD DIMENSIONS SHALL BE VERIFIED PRIOR TO SUBMITTING SHOP DRAWINGS, ORDERING RELATED MATERIALS, DEMOLITION OR CONSTRUCTION.
- AREAS NOTED N.I.C. ARE NOT IN CONTRACT.
- CONTRACTOR SHALL CONTACT THE ARCHITECT IN THE EVENT THAT UNFORESEEN CONDITIONS ARE ENCOUNTERED.
- ALL MATERIALS SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL WORK SHALL COMPLY WITH APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
- THE CONTRACTOR SHALL PERFORM ALL TESTS AS SPECIFIED OR AS NECESSARY TO DEMONSTRATE COMPLETE SATISFACTORY INSTALLATIONS OF ALL SYSTEMS PROVIDED UNDER THIS CONTRACT.
- ALL ANGLES ON PLAN ARE 90 DEGREES OR 45 DEGREES UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL VISIT THE SITE AND REVIEW CONDITIONS PRIOR TO BIDDING.
- CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS FOR WORKABILITY, ADJACENT CONDITIONS, EFFECTS AND ACCESSIBILITY. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS PRIOR TO ORDERING RELATED MATERIALS OF CONSTRUCTION.
- PROTECT ALL EXISTING MATERIALS AND EQUIPMENT TO REMAIN.
- COORDINATE SCOPE OF DEMOLITION WITH NEW CONSTRUCTION.
- WHENEVER THE CONTRACTOR ENCOUNTERS MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN ASBESTOS, THE CONTRACTOR SHALL STOP WORK AND CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS LOCATION. CONTRACTORS SHALL AND MUST COORDINATE REMOVAL OF ANY ITEMS SUSPECTED OF CONTAINING ASBESTOS WITH THE OWNER'S ABATEMENT CONTRACTOR.
- PROVIDE NEW LINTELS, AS SCHEDULED, AT ALL MASONRY OPENINGS CREATED BY DEMOLITION. INCREASE DEMOLITION AREA AT MASONRY OPENINGS THAT RESULT IN A 16 INCH OR LESS SECTION OF CONCRETE MASONRY UNIT (CMU) REMAINING, AND PROVIDE NEW LINTEL AS DETAILED FOR INCREASED SIZE OF OPENING.



PROJECT TEAM

ARCHITECTURE + INTERIORS

BCDM ARCHITECTS
1015 North 98th Street, Suite 300
Omaha, NE 68114

CIVIL ENGINEER

LAMP RYNEARSON
14710 West Dodge Road, Suite 100
Omaha, NE 68154

STRUCTURAL ENGINEER

KLARE STRUCTURAL ENGINEERING
302 South 51st Avenue
Omaha, NE 68132

ELECTRICAL ENGINEER

MORRISSEY ENGINEERING
4940 N 118th St.
Omaha, NE 68164

	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA. SIGNATURE: <u>Caleb M. Snyder</u> 11/07/2025 PRINTED OF TYPED NAME: <u>Caleb M. Snyder</u> MY LICENSE RENEWAL DATE IS DECEMBER 31, 2026.
PAGES OR SHEETS COVERED BY THIS SEAL: <u>C0-1, C1-1, C1-2</u>	

	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 REGISTERED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF IOWA. SIGN & DATE: <u>Gregory S. Stieren</u> 11/1/2025 PRINTED NAME: <u>GREGORY S. STIEREN</u> LICENSE NUMBER: <u>07744</u> MY LICENSE RENEWAL DATE IS JUNE 30, 2027
PAGES/ SHEETS/ DIVISIONS COVERED BY THIS SEAL: <u>G0-0, AD1-1, A1-1, A2-1, A4-1</u>	

	I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa. SIGNATURE: <u>Jeffrey R. Hemje</u> 11/7/2025 JEFFREY R. HEMJE (date) My license renewal date is December 31, 2025 Pages or sheets covered by this seal: <u>Sheets E0-0, ED1-0, E1-0</u>
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	I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa. SIGNATURE: <u>Brian B. Klare</u> 11/7/25 (signature) (date) Printed or typed name <u>BRIAN KLARE</u> License number <u>P17265</u> My license renewal date is December 31, <u>2025</u> Pages or sheets covered by this seal: <u>S0-0, S1-0</u>
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#	Description	Date
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TITAN HILL
EXTERIOR
ENVELOPE

4125 HARRY LANGDON
BLVD, COUNCIL BLUFFS,
IA 51503

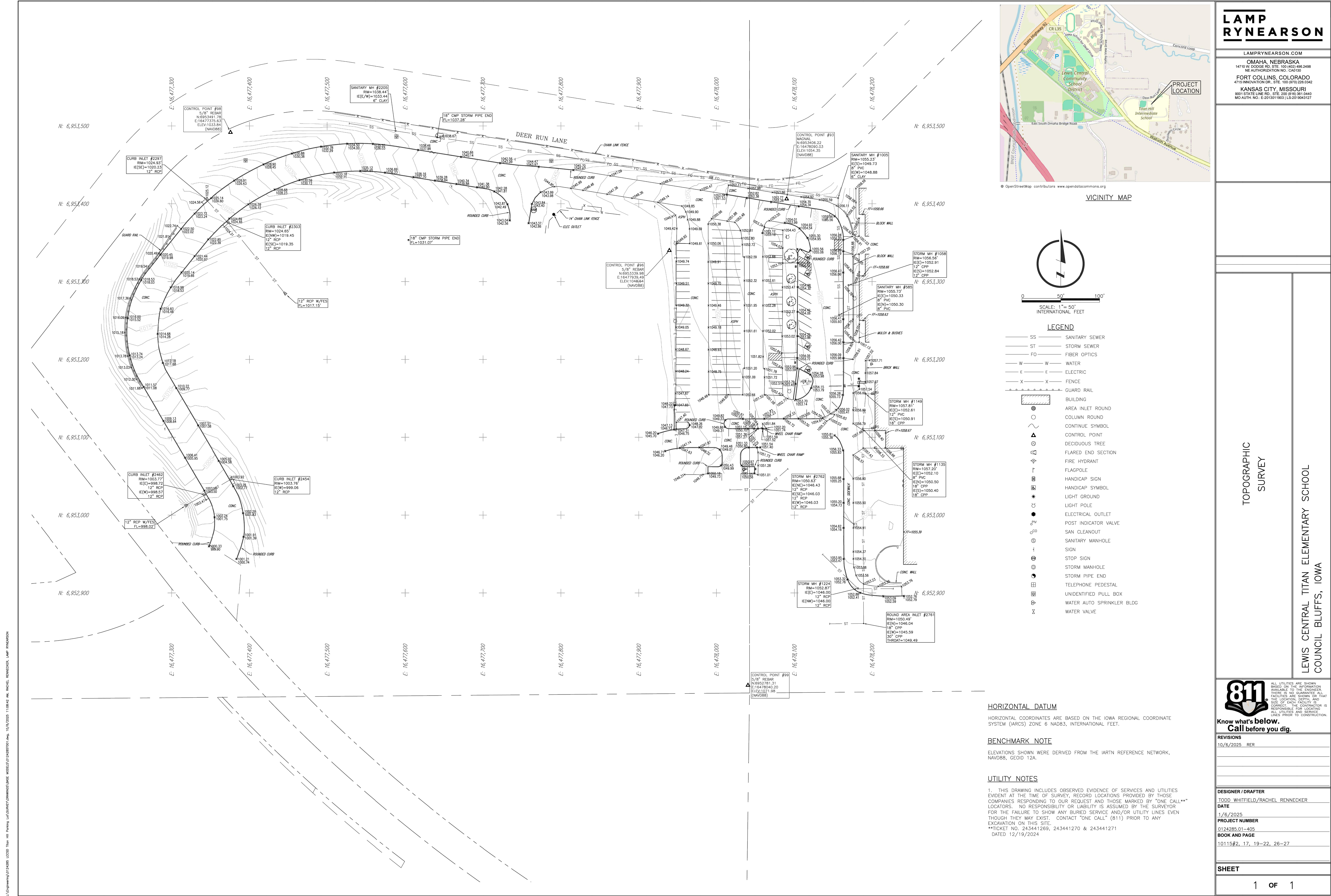
LEWIS CENTRAL
COMMUNITY SCHOOL
DISTRICT

COVER SHEET

G0-0

CONSTRUCTION DOCUMENTS
BCDM NO. 5551-03
07 NOVEMBER 2025

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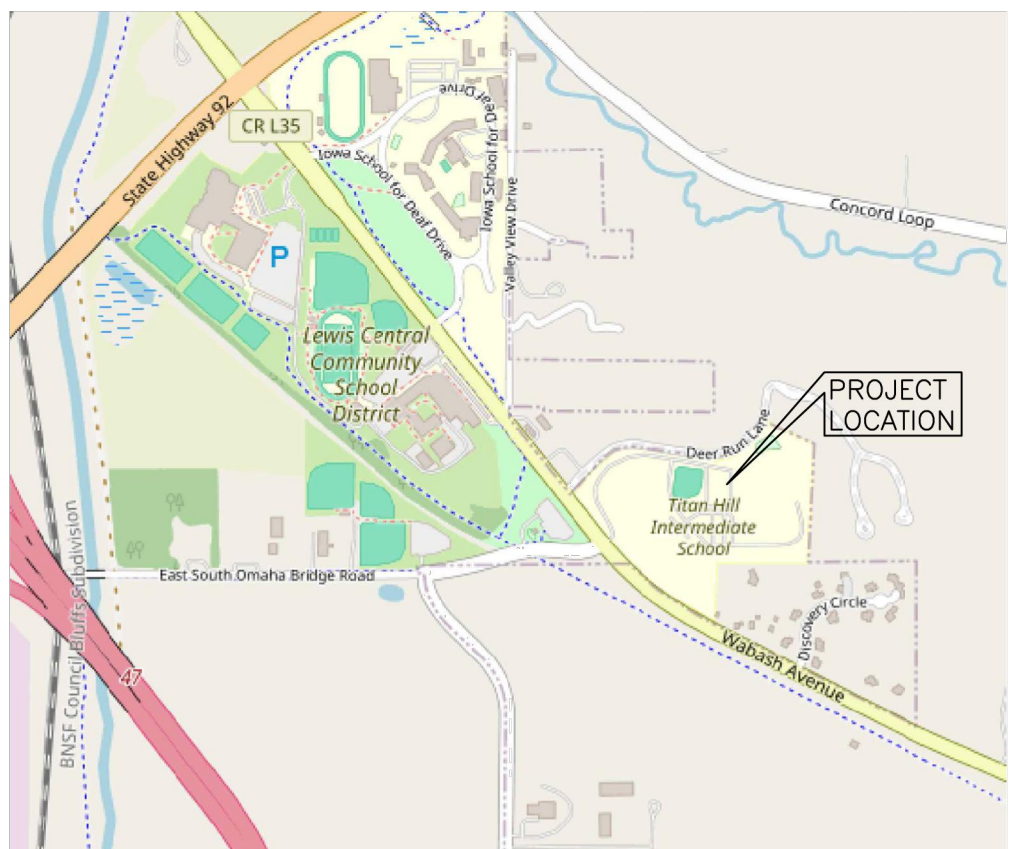
L:\Engineering\2024\LEWIS CENTRAL TITAN ELEMENTARY SCHOOL\2024\10115#2, 17, 19-22, 26-27.dwg 10/9/2025 11:58:42 AM RACHEL RENNECKER, LAMP RYNEARSON

FOR INFORMATIONAL PURPOSES ONLY

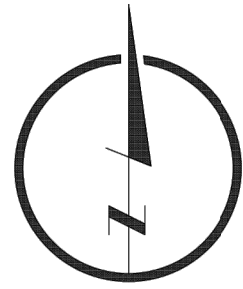
LAMP RYNEARSON

LAMP RYNEARSON.COM

OMAHA, NEBRASKA
14710 W. DODGE RD., STE. 100 #500, 408.2496
NE AUTHORIZATION NO. C20050
FORT COLLINS, COLORADO
4715 INNOVATION DR., STE. 100 #700, 228.0342
KANSAS CITY, MISSOURI
8021 STATE LINE RD., STE. 200 #101, 361.0440
MO AFRN NO. E-2013011001 (LS-201904317)



VICINITY MAP



SCALE: 1" = 50'
INTERNATIONAL FEET

PROJECT TEAM

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Omaha, NE 68132

MECHANICAL + ELECTRICAL ENGINEER

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4940 N 118th St.
Omaha, NE 68154

REVISION SCHEDULE

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BLVD, COUNCIL BLUFFS,
IA 51503

LEWIS CENTRAL
COMMUNITY SCHOOL
DISTRICT

ORIGINAL
TOPOGRAPHIC
SURVEY - FOR
INFORMATION ONLY

C1-1

CONSTRUCTION DOCUMENTS
BDM NO. 5551-03
07 NOVEMBER 2025

LAMP RYNEARSON

DESIGNER / DRAFTER

JENI SANDERSON

REVIEWER

RENEE JENSEN

PROJECT NUMBER

0124285.01-405

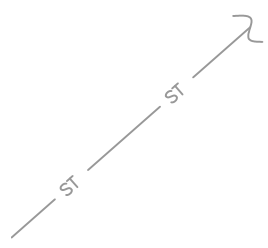
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11/20/2025

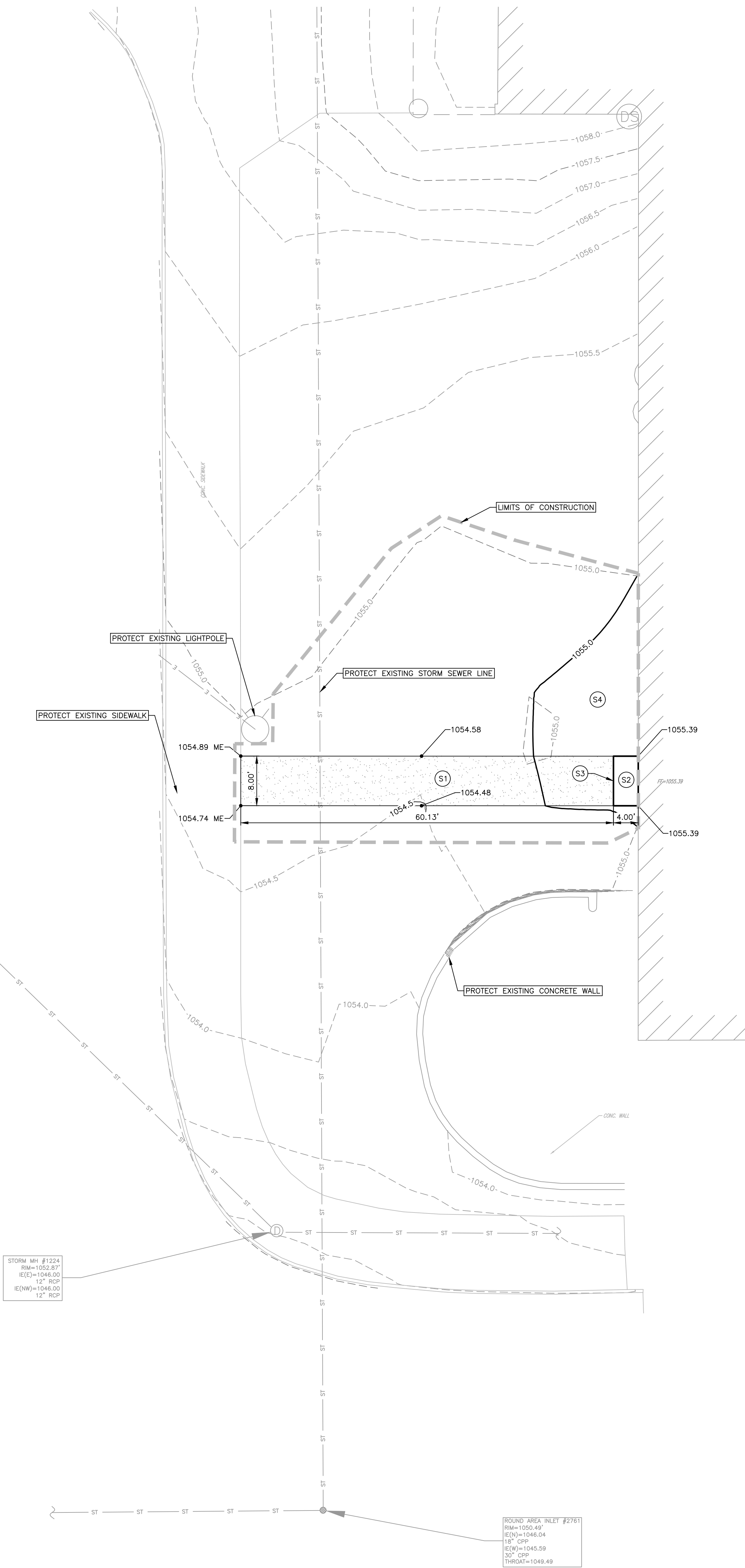
LEFT BINDING EDGE

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32' CURB RAMP

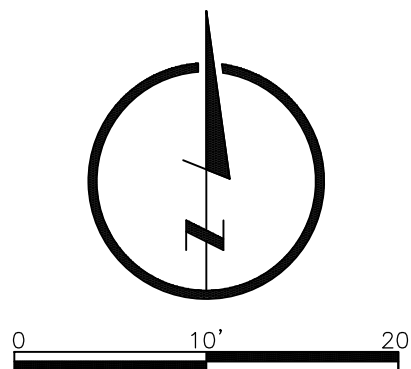


STORM MH #2762
RIM=1050.83
E(N)=1046.43
E(S)=1046.03
E(W)=1046.03
E(S)=1046.03
12" RCP



STORM MH #1224
RIM=1052.97
E(C)=1048.00
E(W)=1048.00
12" RCP

ROUND AREA INLET #2761
RIM=1050.49
E(N)=1046.04
E(S)=1045.59
E(W)=1045.59
12" RCP
THROAT=1049.49



ELEVATION NOTES

1. PROPOSED CONTOURS ARE FINISHED GRADE/TOP OF PAVEMENT ELEVATIONS, NOT SUBGRADE ELEVATIONS.
2. ALL SPOT ELEVATIONS IN PAVEMENT ARE TOP OF SLAB UNLESS NOTED OTHERWISE.

GENERAL NOTES

1. ALL SITE WORK SHALL BE IN ACCORDANCE WITH THE "IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS DESIGN MANUAL), CURRENT EDITION" AND ANY CITY OF COUNCIL BLUFFS REVISIONS OR AMENDMENTS THERETO SHALL APPLY TO THIS PROJECT.
2. EXISTING UTILITIES ARE SHOWN AS A CONVENIENCE FOR THE CONTRACTOR. THE LOCATIONS OF ALL AERIAL AND UNDERGROUND UTILITIES MAY NOT BE INDICATED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS BEFORE WORK IS STARTED TO VERIFY UTILITY LOCATIONS (ONE CALL 811)
3. BARRICADES, IF USED, SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
4. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A CONSTRUCTION RECORD DRAWING INDICATING ALL CHANGES IN GEOMETRY, GRADES, ELEVATIONS OR MATERIAL ON THE PROJECT PRIOR TO FINAL ACCEPTANCE.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED TO COMPLETE THIS PROJECT AND IS RESPONSIBLE FOR THE PAYMENT OF ALL FEES ASSOCIATED WITH THESE PERMITS.
6. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND ELEVATIONS OF ALL PROPOSED UTILITIES.
7. THE CONTRACTOR SHALL NOT PERFORM ANY REMOVALS OF EXISTING TENNIS COURTS UNTIL NEW TENNIS COURTS ARE COMPLETE AND OPERATIONAL. CONTRACTOR TO COORDINATE WITH OWNER ON TIMING OF REMOVALS AND TIMING OF PARKING LOT IMPROVEMENTS.
8. SEE PLAN SHEETS FOR ADDITIONAL NOTES.

SIDEWALK NOTES

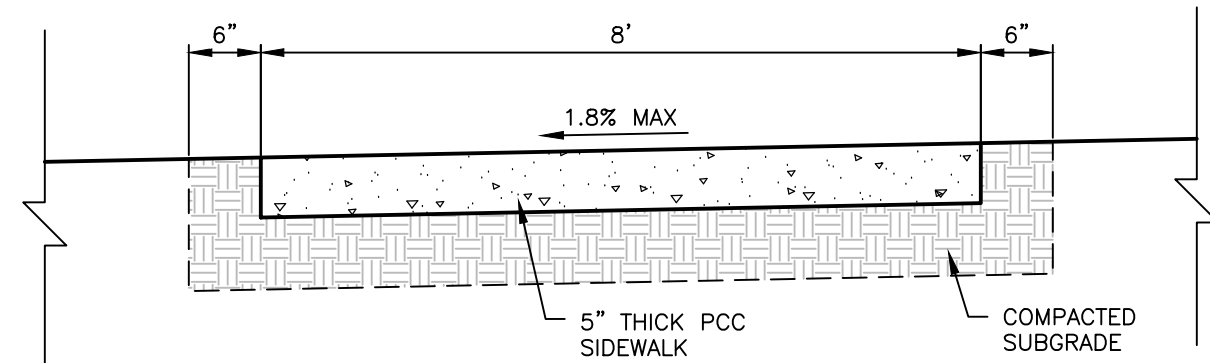
1. ALL SIDEWALKS SHALL BE IN ACCORDANCE WITH IOWA STANDARD URBAN DESIGN AND SPECIFICATIONS DIVISION 7 SECTION 7030 AND THE 2025 COUNCIL BLUFFS SUPPLEMENTAL SPECIFICATIONS.
2. SIDEWALK SUBGRADE TO A DEPTH OF 6 INCHES AND TO A WIDTH OF 6 INCHES OUTSIDE OF SIDEWALK EDGES SHALL BE COMPACTED AS SPECIFIED IN THE COMPACTION REQUIREMENTS TABLE. (SEE THIS SHEET)
3. BACKFILL SHALL BE COMPACTED AS SPECIFIED IN THE COMPACTION REQUIREMENTS TABLE. (SEE THIS SHEET)
4. THE CONTRACTOR IS REFERRED TO THE FOLLOWING SUDAS FIGURES:
7030.201 SIDEWALK CONSTRUCTION
7030.205 GENERAL SIDEWALK AND CURB RAMP DETAILS

PORTLAND CEMENT CONCRETE (PCC) PAVING NOTES

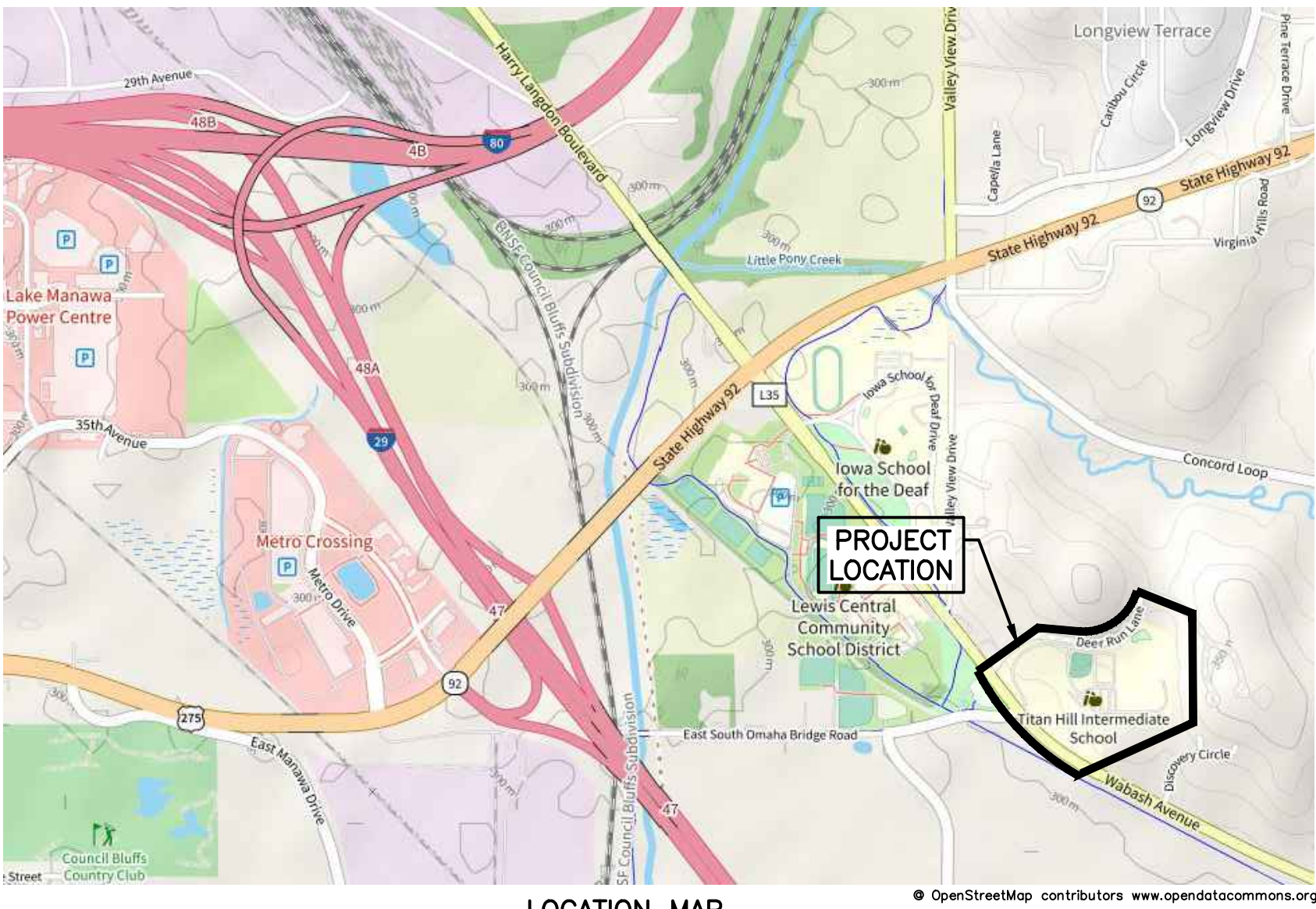
1. ALL PAVING ELEVATIONS ARE AT TOP OF SLAB UNLESS NOTED OTHERWISE.
2. THE CONTRACTOR SHALL CONTACT THE SOILS ENGINEER TO OBSERVE THE SUBGRADE PRIOR TO PLACING PAVEMENT TO DELINEATE ANY AREAS WHERE SUBGRADE OVEREXCAVATION MAY BE REQUIRED.
3. CONCRETE MIX SHALL BE CV-SUD-C15 AS SHOWN IN THE IOWA D.O.T. I.M. 529 PROPORTION TABLE 4 (SUDAS CONCRETE MIXES) AND THE 2025 COUNCIL BLUFFS SUPPLEMENTAL SPECIFICATIONS.

SITE PLAN KEYNOTES

- S1. CONSTRUCT 5" THICK PC CONCRETE SIDEWALK.
- S2. STRUCTURAL STOOP, SEE ARCHITECTURAL PLANS FOR FURTHER INFORMATION.
- S3. FURNISH AND INSTALL 1/2" EXPANSION JOINT WITH SEALANT ADJACENT TO STRUCTURAL STOOP.
- S4. CONTRACTOR SHALL SEED ALL DISTURBED AREAS PER SECTION 9010 AND 9020 OF THE SUDAS SPECIFICATIONS MANUAL.



1
C1-2 TYPICAL SIDEWALK SECTION (PRIVATE)
SCALE: NOT TO SCALE



LOCATION MAP

COMPACTION REQUIREMENTS TABLE

SEE GEOTECHNICAL ENGINEERING REPORT:	LEWIS CENTRAL TITAN ELEMENTARY SCHOOL PAVEMENT REPLACEMENT		
PREPARED BY:	THIELE GEOTECH 402.556.2171		
ENGINEER:	REANNA C.D. THIELE		
PROJECT NO:	24657.01		
DATED:	MARCH 3, 2025		
MAX. DEPTH OF LIFT FOR FILL (MEASURED LOOSE)	8"		
AREA	TEST	COMPACTION	MOISTURE
UTILITY TRENCH BACKFILL (DEPTH < 5')	STANDARD PROCTOR	95%	-3/+4
UTILITY TRENCH BACKFILL (DEPTH > 5')	STANDARD PROCTOR	95%	-3/+4
PCC PAVEMENT SUBGRADE (UPPER 12")	MODIFIED PROCTOR	90%	-3/+4
PAVEMENT SUBGRADE (DEPTH > 12")	STANDARD PROCTOR	95%	-3/+4
MANHOLE + STRUCTURE BACKFILL (FULL DEPTH)	STANDARD PROCTOR	95%	-3/+4
SIDEWALK SUBGRADE (UPPER 6")	STANDARD PROCTOR	95%	-3/+4
ALL OTHER FILL	STANDARD PROCTOR	95%	-3/+4

NOTES:

1. STANDARD PROCTOR SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D 698.
2. MODIFIED PROCTOR SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D 1557.



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Omaha, NE 68132

MECHANICAL + ELECTRICAL ENGINEER

MORRISSEY ENGINEERING
4940 N 118th St
Omaha, NE 68154

REVISION SCHEDULE

#	Description	Date
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TITAN HILL EXTERIOR ENVELOPE

4125 HARRY LANGDON
BLVD, COUNCIL BLUFFS,
IA 51503

LEWIS CENTRAL COMMUNITY SCHOOL DISTRICT

SITE PLAN

C1-2

CONSTRUCTION DOCUMENTS
BCDM NO. 5551-03
07 NOVEMBER 2025

**LAMP
RYNEARSON**

DESIGN / DRAWER
PAUL ORSBERG
REVIEWER
REANNA C.D. THIELE
PROJECT NUMBER
24657.01-000
DATE
11/07/2025

L:\Engineering\2025\1125 Titan Hill Exterior Construction\Drawings\Bldg\Bldg Construction\01-C1-02-Titan Hill Exterior Envelope.dwg
L:\Engineering\2025\1125 Titan Hill Exterior Construction\Drawings\Bldg\Bldg Construction\01-C1-02-Titan Hill Exterior Envelope.dwg
L:\Engineering\2025\1125 Titan Hill Exterior Construction\Drawings\Bldg\Bldg Construction\01-C1-02-Titan Hill Exterior Envelope.dwg

LEFT BINDING EDGE

11/10/2025 3:11:43 PM

DEMOLITION SALVAGE NOTES

NOTES APPLY TO SHEETS AD1-1 ONLY. NOTES MAY NOT BE USED ON EACH SHEET.
* OWNER HAS FIRST RIGHTS TO ALL SALVAGED MATERIAL.

- [A] SALVAGE DOOR HARDWARE AND TURN OVER TO OWNER.
[B] EXISTING ALUMINUM WINDOW TO REMAIN.
[C] EXISTING ALUMINUM DOOR TO REMAIN.
[D] REMOVE AND REINSTALL CARD READERS. SEE ELEC.
[E] REMOVE AND REINSTALL FIBERGLASS SANDWICH PANELS.
[F] PROTECT EXISTING COLUMN TO REMAIN.
[G] EXISTING ALUMINUM GLOBE WINDOW TO REMAIN.

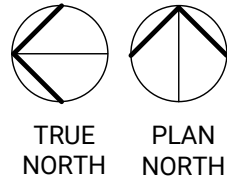
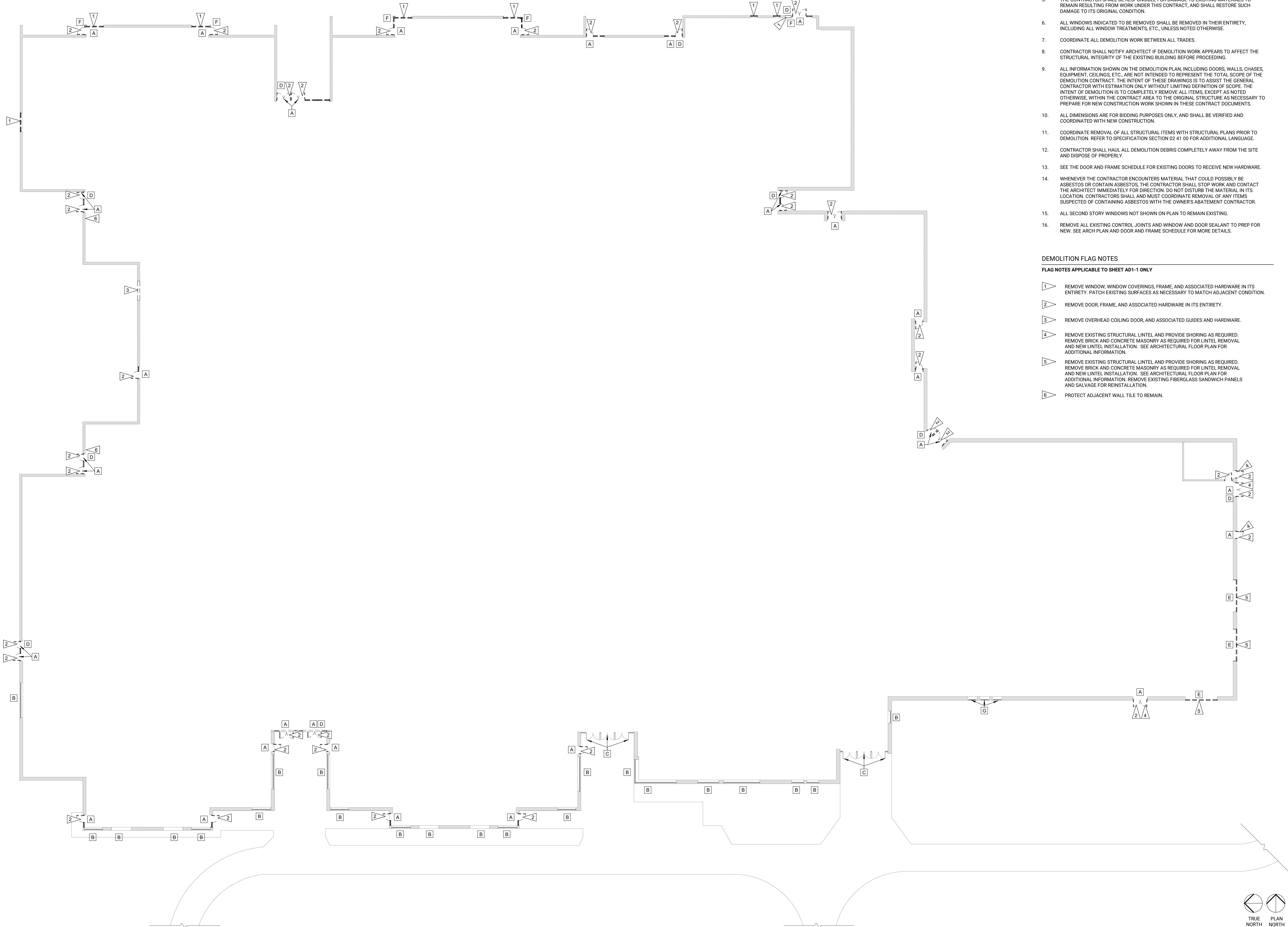
DEMOLITION GENERAL NOTES

- THE OWNER SHALL HAVE THE FIRST RIGHT OF SALVAGE FOR ALL ITEMS BEING REMOVED OR DEMOLISHED. IF OWNER DECLINES, THE CONTRACTOR SHALL REMOVE FROM THE PREMISES AND DISPOSE OF PROPERLY. VERIFY OWNER'S INTENT PRIOR TO REMOVAL OR DEMOLITION.
- REMOVE ALL WALLS, DOORS, WINDOWS, AND OTHER ITEMS SHOWN DASHED IN THE DRAWINGS. VERIFY THE SCOPE OF DEMOLITION WITH THE NEW CONSTRUCTION DRAWINGS. CONTRACTOR SHALL REMOVE ANY WALL OR ITEM NOT SPECIFICALLY DESIGNATED OR NOTED THAT WOULD BE REQUIRED TO PROVIDE A FINISHED PRODUCT AS PER THE PLANS AND SPECIFICATIONS.
- SEE DEMOLITION DRAWINGS FOR SALVAGE ITEMS.
- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO BIDDING TO DETERMINE THE TOTAL QUANTITIES AND SCOPE OF DEMOLITION THAT IS TO OCCUR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING MATERIALS TO REMAIN RESULTING FROM WORK UNDER THIS CONTRACT, AND SHALL RESTORE SUCH DAMAGE TO ITS ORIGINAL CONDITION.
- ALL WINDOWS INDICATED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL WINDOW TREATMENTS, ETC., UNLESS NOTED OTHERWISE.
- COORDINATE ALL DEMOLITION WORK BETWEEN ALL TRADES.
- CONTRACTOR SHALL NOTIFY ARCHITECT IF DEMOLITION WORK APPEARS TO AFFECT THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING BEFORE PROCEEDING.
- ALL INFORMATION SHOWN ON THE DEMOLITION PLAN, INCLUDING DOORS, WALLS, CHASES, EQUIPMENT, CEILINGS, ETC., ARE NOT INTENDED TO REPRESENT THE TOTAL SCOPE OF THE DEMOLITION CONTRACT. THE INTENT OF THESE DRAWINGS IS TO ASSIST THE GENERAL CONTRACTOR WITH ESTIMATION ONLY WITHOUT LIMITING DEFINITION OF SCOPE. THE INTENT OF DEMOLITION IS TO COMPLETELY REMOVE ALL ITEMS, EXCEPT AS NOTED OTHERWISE, WITHIN THE CONTRACT AREA TO THE ORIGINAL STRUCTURE AS NECESSARY TO PREPARE FOR NEW CONSTRUCTION WORK SHOWN IN THESE CONTRACT DOCUMENTS.
- ALL DIMENSIONS ARE FOR BIDDING PURPOSES ONLY, AND SHALL BE VERIFIED AND COORDINATED WITH NEW CONSTRUCTION.
- COORDINATE REMOVAL OF ALL STRUCTURAL ITEMS WITH STRUCTURAL PLANS PRIOR TO DEMOLITION. REFER TO SPECIFICATION SECTION 02 41 00 FOR ADDITIONAL LANGUAGE.
- CONTRACTOR SHALL HAUL ALL DEMOLITION DEBRIS COMPLETELY AWAY FROM THE SITE AND DISPOSE OF PROPERLY.
- SEE THE DOOR AND FRAME SCHEDULE FOR EXISTING DOORS TO RECEIVE NEW HARDWARE.
- WHENEVER THE CONTRACTOR ENCOUNTERS MATERIAL THAT COULD POSSIBLY BE ASBESTOS OR CONTAIN ASBESTOS, THE CONTRACTOR SHALL STOP WORK AND CONTACT THE ARCHITECT IMMEDIATELY FOR DIRECTION. DO NOT DISTURB THE MATERIAL IN ITS LOCATION. CONTRACTORS SHALL AND MUST COORDINATE REMOVAL OF ANY ITEMS SUSPECTED OF CONTAINING ASBESTOS WITH THE OWNER'S ABATEMENT CONTRACTOR.
- ALL SECOND STORY WINDOWS NOT SHOWN ON PLAN TO REMAIN EXISTING.
- REMOVE ALL EXISTING CONTROL JOINTS AND WINDOW AND DOOR SEALANT TO PREP FOR NEW. SEE ARCH PLAN AND DOOR AND FRAME SCHEDULE FOR MORE DETAILS.

DEMOLITION FLAG NOTES

FLAG NOTES APPLICABLE TO SHEET AD1-1 ONLY

- 1 REMOVE WINDOW, WINDOW COVERINGS, FRAME, AND ASSOCIATED HARDWARE IN ITS ENTIRETY. PATCH EXISTING SURFACES AS NECESSARY TO MATCH ADJACENT CONDITION.
- 2 REMOVE DOOR, FRAME, AND ASSOCIATED HARDWARE IN ITS ENTIRETY.
- 3 REMOVE OVERHEAD COILING DOOR, AND ASSOCIATED GUIDES AND HARDWARE.
- 4 REMOVE EXISTING STRUCTURAL LINTEL AND PROVIDE SHORING AS REQUIRED. REMOVE BRICK AND CONCRETE MASONRY AS REQUIRED FOR LINTEL REMOVAL AND NEW LINTEL INSTALLATION. SEE ARCHITECTURAL FLOOR PLAN FOR ADDITIONAL INFORMATION.
- 5 REMOVE EXISTING STRUCTURAL LINTEL AND PROVIDE SHORING AS REQUIRED. REMOVE BRICK AND CONCRETE MASONRY AS REQUIRED FOR LINTEL REMOVAL AND NEW LINTEL INSTALLATION. SEE ARCHITECTURAL FLOOR PLAN FOR ADDITIONAL INFORMATION. REMOVE EXISTING FIBERGLASS SANDWICH PANELS AND SALVAGE FOR REINSTALLATION.
- 6 PROTECT ADJACENT WALL TILE TO REMAIN.



PROJECT TEAM

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IA 51503

LEWIS CENTRAL
COMMUNITY SCHOOL
DISTRICT

DEMOLITION PLAN

AD1-1

CONSTRUCTION DOCUMENTS
BCDM NO. 5551-03
07 NOVEMBER 2025

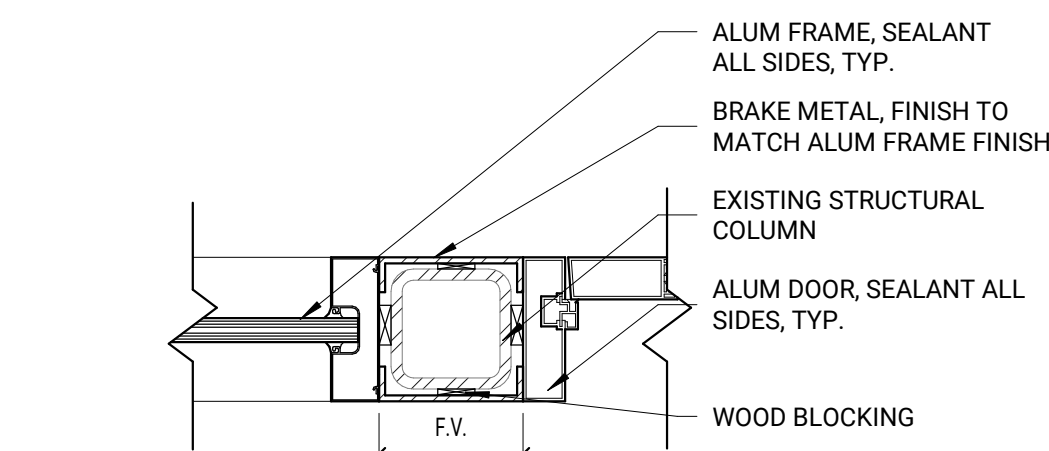
FLOOR PLAN GENERAL NOTES

- AT ALL EXISTING EXTERIOR DOORS AND WINDOWS, PROVIDE NEW SEALANT AT WINDOW TO ENVELOPE CONDITION, TYP.
- PATCH AND PAINT CMU DAMAGED DURING FRAME REMOVAL, PAINT P-1 AS REQUIRED.

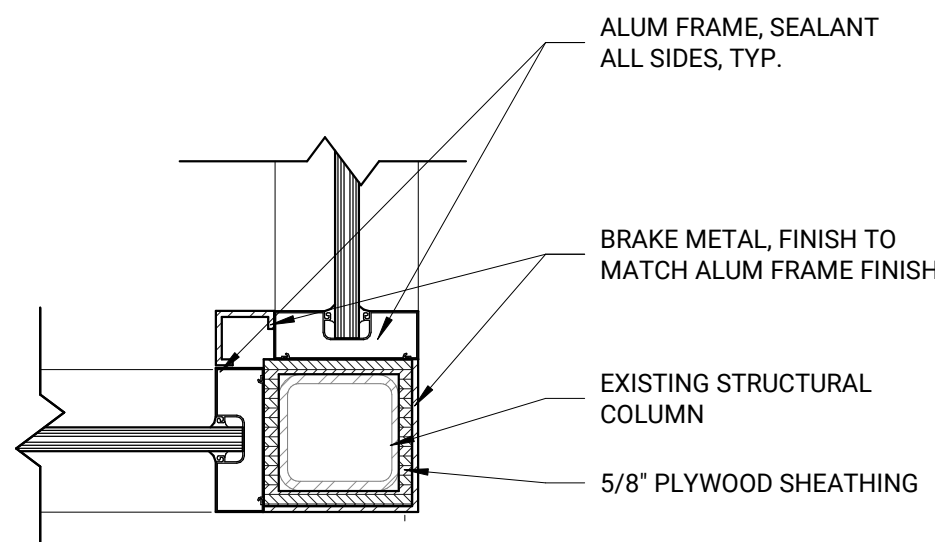
ARCHITECTURAL FLAG NOTES

FLAG NOTES APPLICABLE TO SHEET A1-1 ONLY

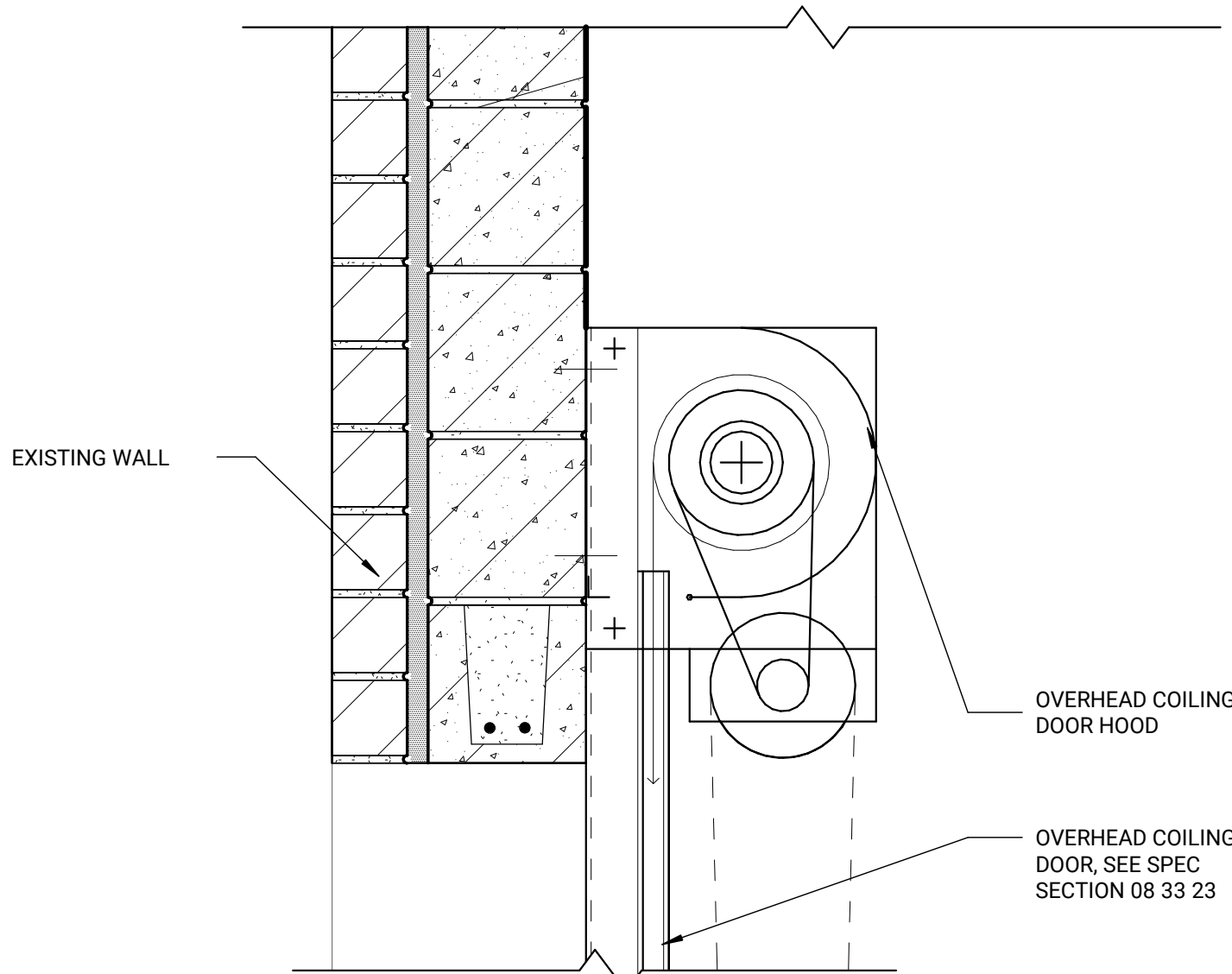
- LIGHT FIXTURE, SEE ELEC.
- PRESERVE EXISTING CERAMIC TILE AND PROVIDE TILE MATCH AS REQUIRED. SEE SPEC SECTION 09 30 00.
- CONCRETE PAVING, SEE CIVIL.
- STRUCTURAL STOOP, SEE STRUCT.
- PRESERVE EXISTING CERAMIC TILE. PROVIDE ALUMINUM BRAKE METAL TRIM TO COVER ANY DAMAGED TILE. COORDINATE WITH ARCHITECT.
- TOOTH IN BRICK AND CONCRETE MASONRY FOR NEW LINTEL WORK. PAINT NEW CONCRETE BLOCK PAINT P-2. PROVIDE EPOXY PAINT HERE.



4 JAMB DETAIL AT DOOR 156
A1-1 1 1/2" = 1'-0" 0' 8" 1'-4"



3 JAMB DETAIL - DOORS 104 & 105
A1-1 1 1/2" = 1'-0" 0' 8" 1'-4"



2 SECTION AT OVERHEAD COILING DOOR
A1-1 1 1/2" = 1'-0" 0' 8" 1'-4"

1 FLOOR PLAN
A1-1 1/16" = 1'-0" 0' 16' 32'

PROJECT TEAM

ARCHITECTURE + INTERIORS

BCDM ARCHITECTS
1015 North 98th Street, Suite 300
Omaha, NE 68114

CIVIL ENGINEER

LAMP RYNEARSON
14710 West Dodge Road, Suite 100
Omaha, NE 68154

STRUCTURAL ENGINEER

KLARE STRUCTURAL ENGINEERING
302 South 51st Avenue
Omaha, NE 68132

ELECTRICAL ENGINEER

MORRISSEY ENGINEERING
4940 N 118th St.
Omaha, NE 68164

#	Description	Date
---	-------------	------

TITAN HILL
EXTERIOR
ENVELOPE

4125 HARRY LANGDON
BLVD, COUNCIL BLUFFS,
IA 51503

LEWIS CENTRAL
COMMUNITY SCHOOL
DISTRICT

FLOOR PLAN

A1-1

CONSTRUCTION DOCUMENTS
BCDM NO. 5551-03
07 NOVEMBER 2025

PROJECT TEAM

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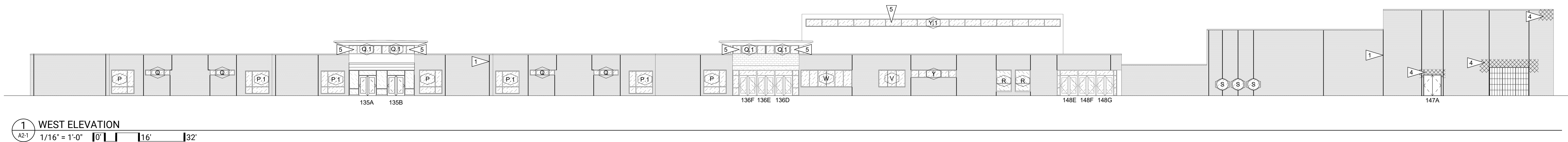
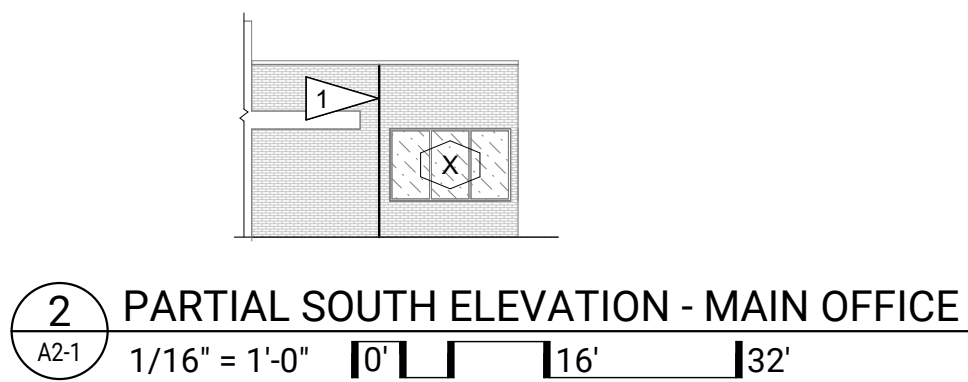
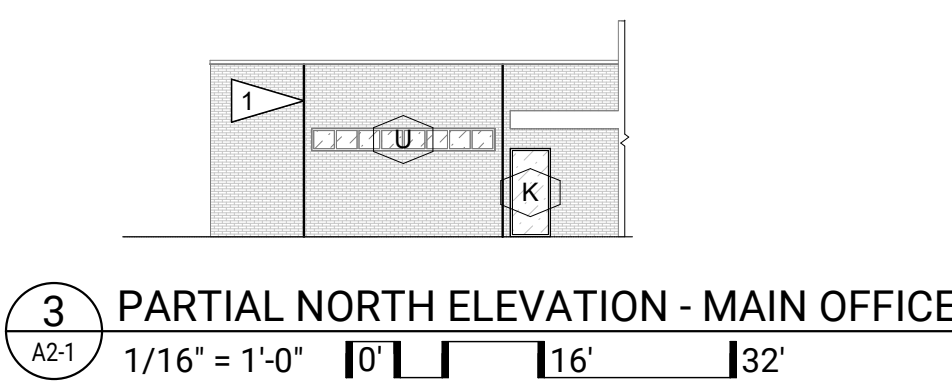
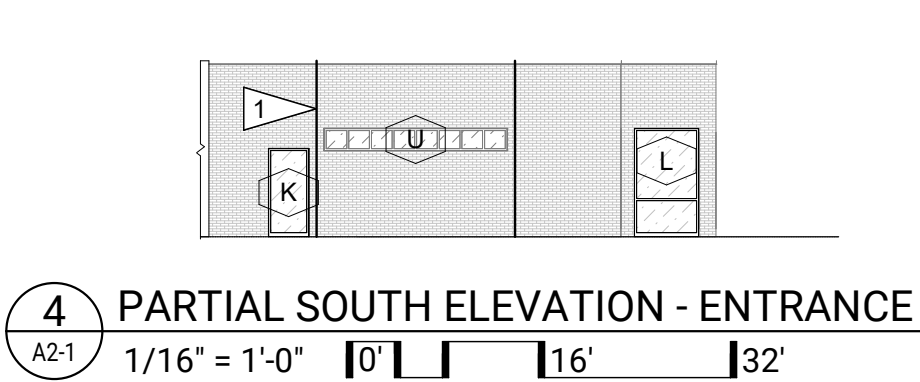
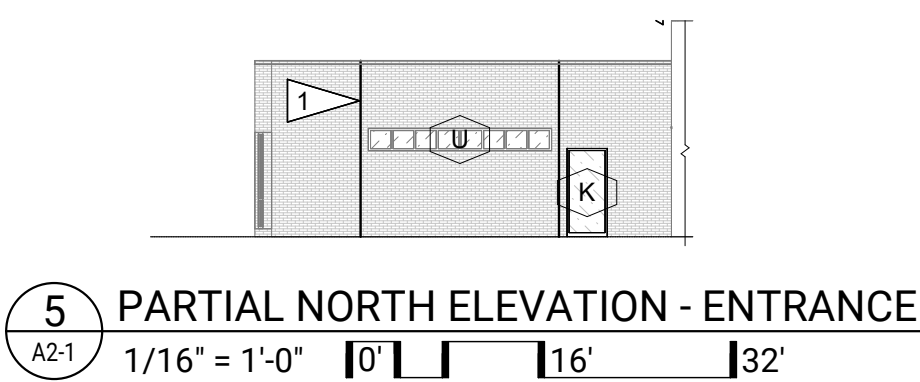
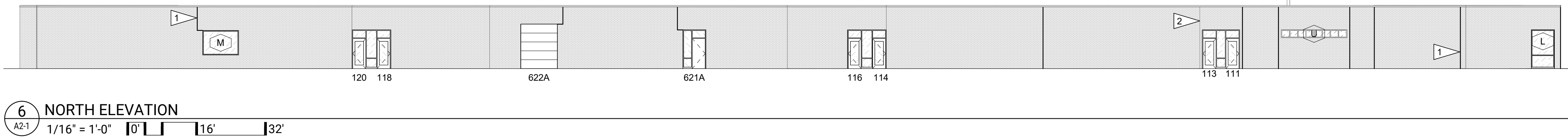
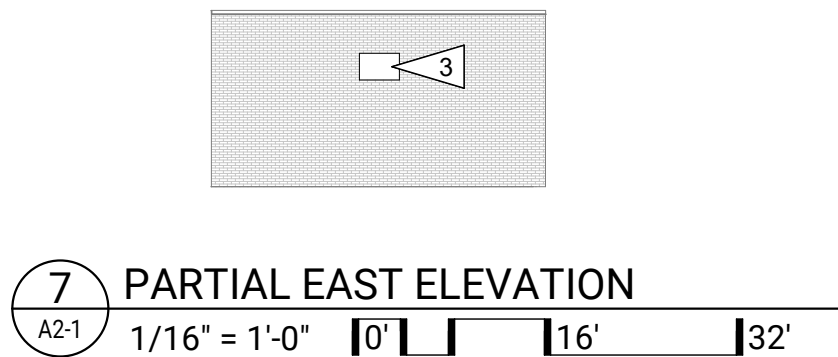
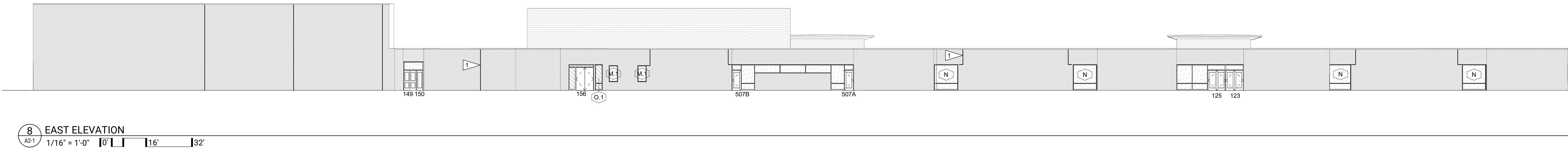
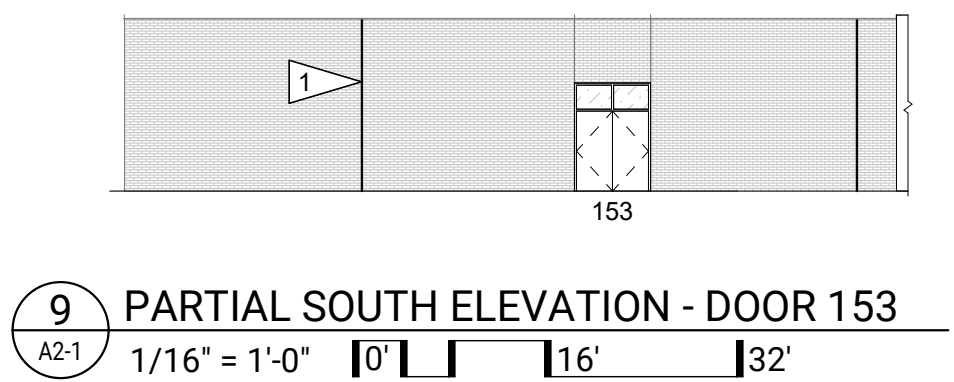
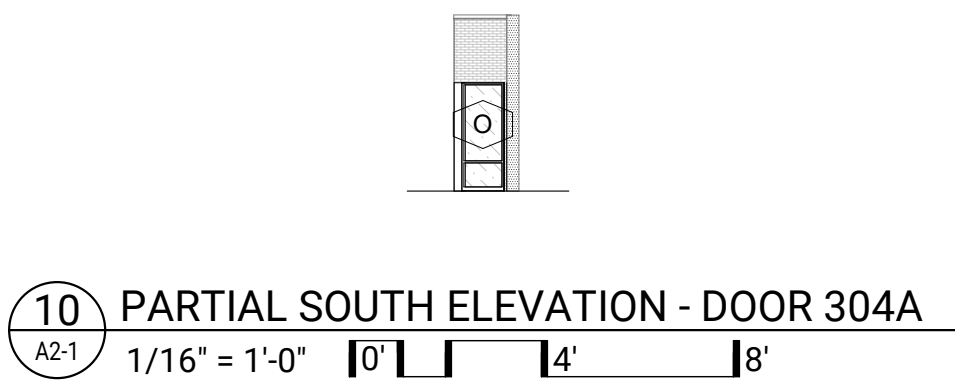
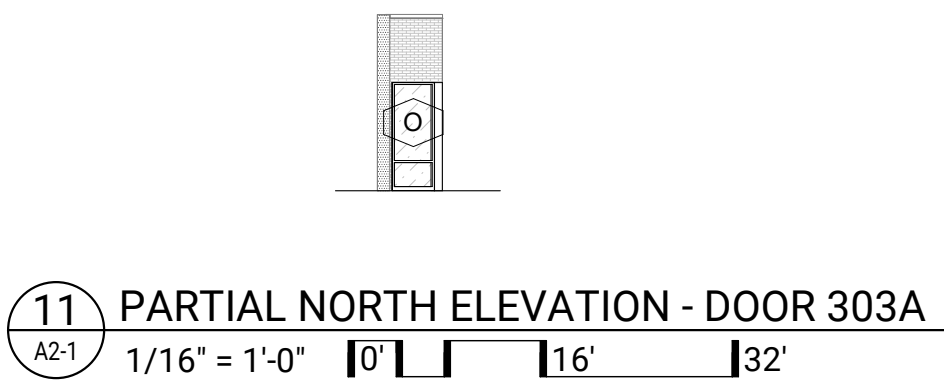
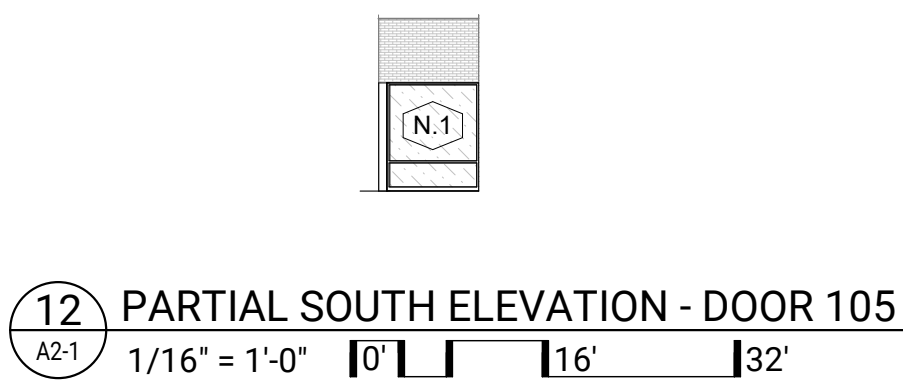
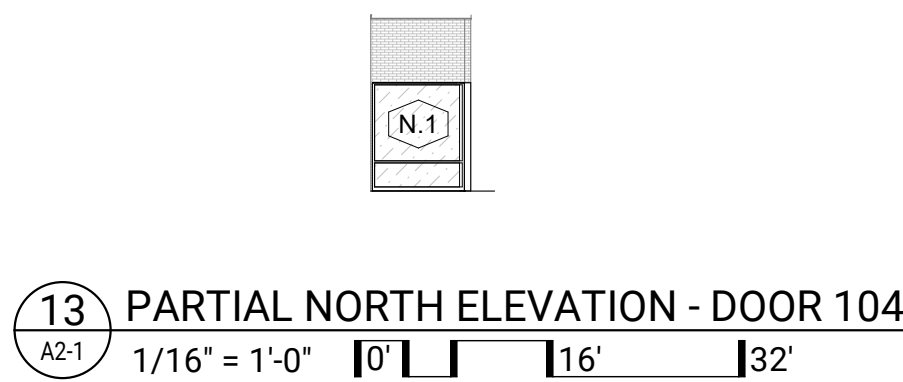
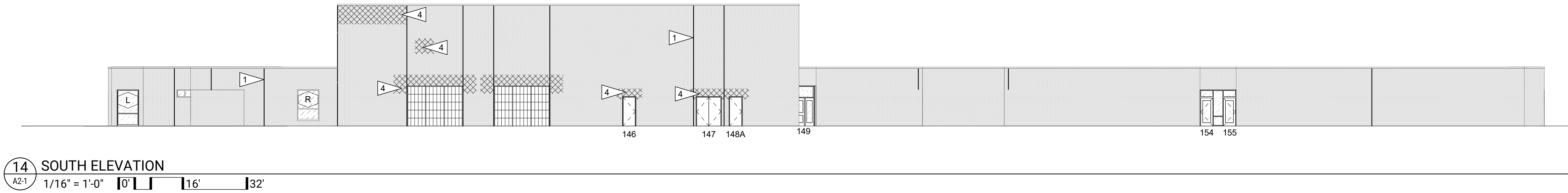
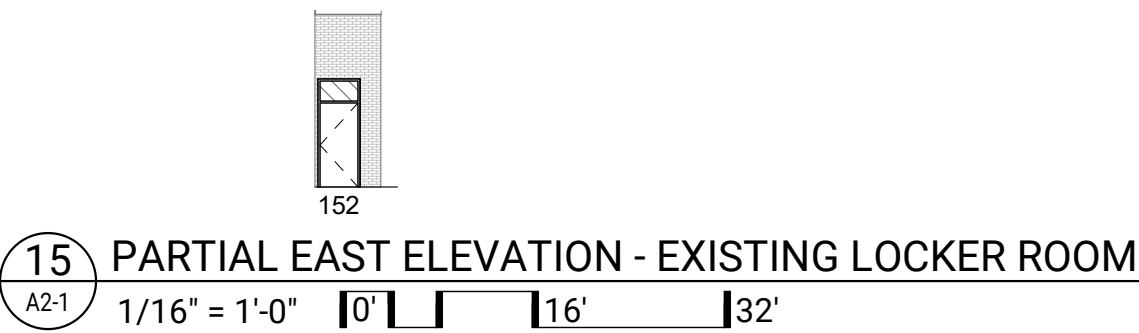
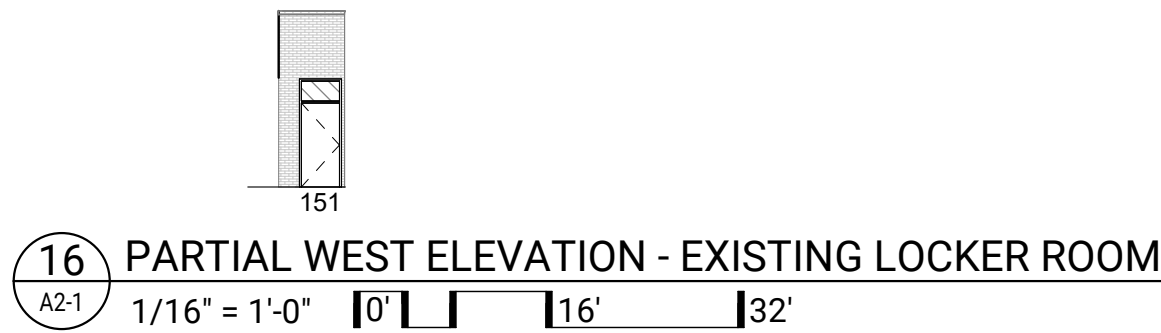
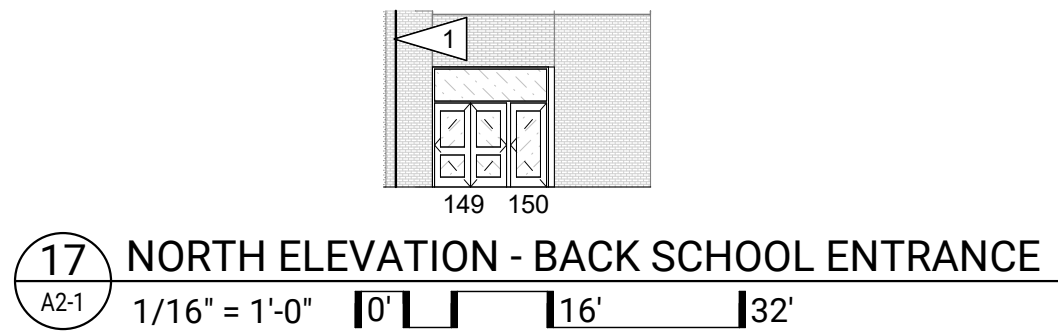
STRUCTURAL ENGINEER
KLARE STRUCTURAL ENGINEERING
302 South 51st Avenue
Omaha, NE 68132

ELECTRICAL ENGINEER
MORRISSEY ENGINEERING
4940 N 118th St.
Omaha, NE 68164

ELEVATION FLAG NOTES

FLAG NOTES ARE APPLICABLE TO SHEET A2-1 ONLY

- 1 CONTROL JOINT, TYP. REMOVE EXISTING SEALANT JOINT MATERIAL AND REPLACE AT ALL EXTERIOR MASONRY CONTROL JOINTS.
- 2 EXPANSION JOINT, TYP. REPLACE ALL SOFT JOINT EXTERIOR BUILDING EXPANSION JOINTS, TYP.
- 3 LIGHT FIXTURE, SEE ELEC.
- 4 APPROXIMATE AREA FOR BRICK TUCKPOINTING AND REPLACEMENT REPRESENTED WITH HATCH.
- 5 EXISTING UPPER LEVEL WINDOW TO REMAIN.



#	Description	Date
---	-------------	------

TITAN HILL
EXTERIOR
ENVELOPE

4125 HARRY LANGDON
BLVD, COUNCIL BLUFFS,
IA 51503

LEWIS CENTRAL
COMMUNITY SCHOOL
DISTRICT

EXTERIOR
ELEVATIONS

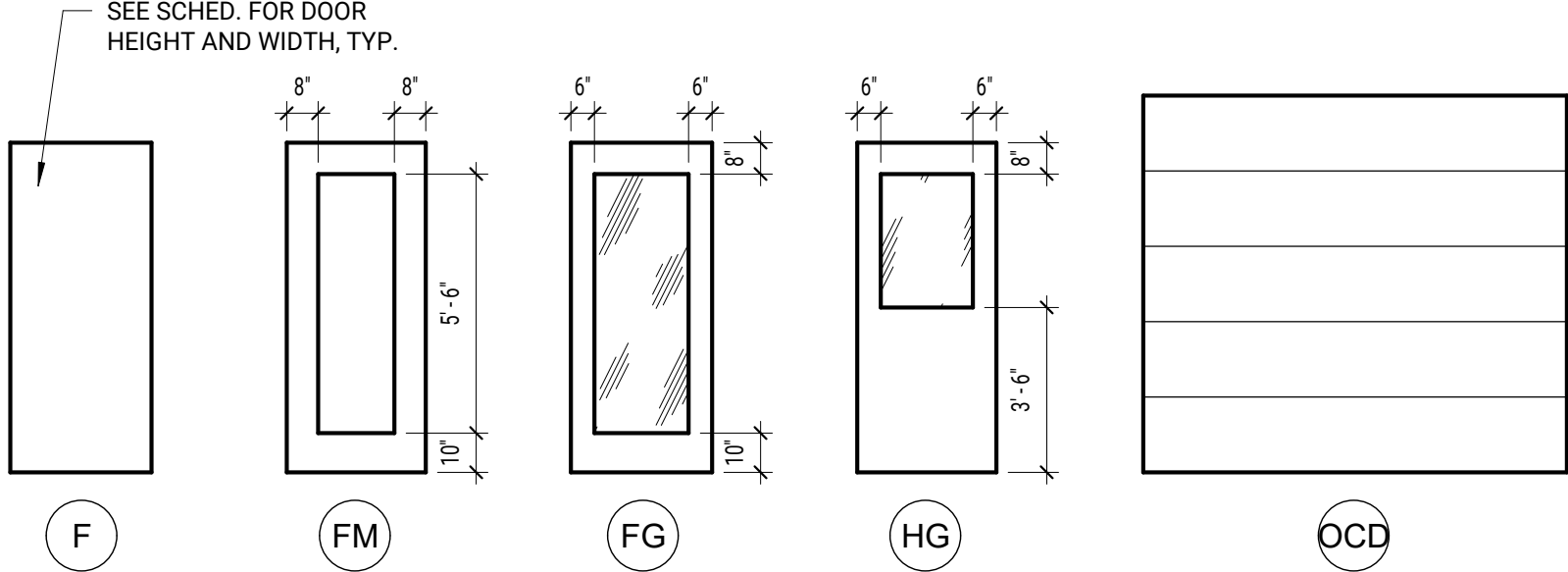
A2-1

CONSTRUCTION DOCUMENTS
BCDM NO. 5551-03
07 NOVEMBER 2025

LEFT BINDING EDGE

11/10/2025 2:03:27 PM

WINDOW SCHEDULE								
TYPE	MATERIAL	FINISH	FRAME DEPTH	HEAD	JAMB	SILL	GLAZING	REMARKS
K	ALUM.	PF	0'-6"	3	4	5/A4-1	CTIG	2
L	ALUM.	PF	0'-6"	3	4	5/A4-1	CTIG	2
M	ALUM.	PF	0'-6"	3	4	4/A4-1	CTIG	2
M.1	ALUM.	PF	0'-6"	3	4	4/A4-1	CTIG	2
N	ALUM.	PF	0'-6"	3	4, 3/A1-1	3/A4-1	CTIG	2
N.1	ALUM.	PF	0'-6"	10	1, 3/A1-1	3/A4-1	CTIG	2
O	ALUM.	PF	0'-6"	10	1, 3/A1-1	3/A4-1	CTIG	2
O.1	ALUM.	PF	0'-6"	10	4, 4/A1-1	5/A4-1	---	---
P	EXIST.	EXIST.	0'-4 1/2"	---	---	---	EXIST.	1
P.1	EXIST.	EXIST.	0'-4 1/2"	---	---	---	EXIST.	1
Q	EXIST.	EXIST.	0'-4 1/2"	---	---	---	EXIST.	1
Q.1	EXIST.	EXIST.	0'-4 1/2"	---	---	---	EXIST.	1
R	EXIST.	EXIST.	0'-4 1/2"	---	---	---	EXIST.	1
S	EXIST.	EXIST.	0'-4 1/2"	---	---	---	EXIST.	1
U	EXIST.	EXIST.	0'-4 1/2"	---	---	---	EXIST.	1
V	EXIST.	EXIST.	0'-4 1/2"	---	---	---	EXIST.	1
W	EXIST.	EXIST.	0'-4 1/2"	---	---	---	EXIST.	1
X	EXIST.	EXIST.	0'-4 1/2"	---	---	---	EXIST.	1
Y	EXIST.	EXIST.	0'-4 1/2"	---	---	---	EXIST.	1
Y.1	EXIST.	EXIST.	0'-4 1/2"	---	---	---	EXIST.	1
Z	EXIST.	EXIST.	0'-4"	16	---	---	EXIST.	1

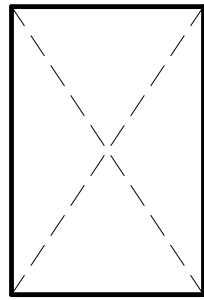


6 DOOR TYPE ELEVATIONS

A4-1 1 1/4" = 1'-0" 0' 1' 4' 8'

DOOR, FRAME, AND GLAZING LEGEND

ALUM CTIG ALUMINUM CLEAR TEMPERED INSULATED GLASS HOLLOW METAL MINUTE PAINT PRE-FINISHED PAIR REVERSE SIMILAR UNLESS NOTED OTHERWISE UN.O. GFRP



NOTE: DASHED "X" REPRESENTS FRAMES TO RECEIVE BLINDS

DOOR, FRAME, AND GLAZING GENERAL NOTES

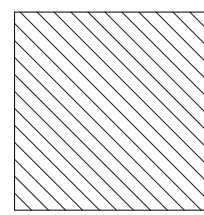
- ALL DOORS SHALL BE 1-3/4" THICK, U.N.O.
- ALL REMOVABLE GLAZING STOPS SHALL BE 5/8" HIGH AND 5/8" WIDE, U.N.O.
- ALL EXTERIOR FRAMES (SHOWN ON FRAME ELEVATIONS) ARE VIEWED FROM THE EXTERIOR UNLESS INDICATED OTHERWISE.
- SEE DOOR AND FRAME SCHEDULE FOR ACTUAL DOOR SIZES. COORDINATE FRAME DIMENSIONS WITH DOOR SIZES.
- SEE SHEET A4-1 FOR DETAILS LISTED IN SCHEDULE, U.N.O.
- COORDINATE LINTELS AT DOOR HEADS WITH STRUCTURAL WHERE REQ'D.
- SEE SPECIFICATION SECTION 08 80 00 FOR DESCRIPTION OF GLASS TYPES SHOWN ON DOOR AND FRAME SCHEDULE (I.E. CTIG).
- VERIFY ALL HARDWARE SIZES, CLEARANCES, POCKET DEPTHS, ETC. WITH HARDWARE SUPPLIER AND ADJUST ACCORDINGLY.
- G.C. TO FIELD VERIFY EXISTING WALL THICKNESSES AND WALL OPENINGS PRIOR TO SUBMITTING SHOP DRAWINGS. ADJUST DOOR/ FRAME SIZES AS REQ'D TO FIT W/ EXISTING FIELD VERIFIED CONDITIONS.
- WHERE THE CEILING RUNS INTO THE TOP OF THE FRAME, THE FRAME SHALL BE KNEE BRACED AT 4'-0" O.C. AT THE HEAD OF THE FRAME TO THE STRUCTURE ABOVE FOR LATERAL STABILITY. KNEE BRACING SHALL BE INSTALLED WITH A MAXIMUM ANGLE (FROM THE HORIZONTAL) OF 45 DEGREES.
- CAULK ALL JOINTS BETWEEN INTERSECTING FRAME MEMBERS THAT ARE NOT WELDED, WITH A PAINTABLE CAULK TO PROVIDE A SMOOTH AND UNIFORM APPEARANCE WHEN PAINTED.
- THE PERIMETER OF ALL FRAMES SHALL BE CAULKED AT BOTH THE EXTERIOR AND INTERIOR.
- SET ALL EXTERIOR FRAMES AND THRESHOLDS IN A CONTINUOUS BEAD OF CAULK AT SILLS.
- PROVIDE AND INSTALL THRU-WALL FLASHING AND WEEP HOLES ABOVE ALL EXTERIOR FRAME OPENINGS.

DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR				FRAME							SILL	HDWR. TYPE	LABEL	GLAZING	REMARKS	DOOR NO.
	WIDTH	HEIGHT	TYPE	MAT.	FINISH	TYPE	DEPTH	MAT.	FINISH	HEAD	JAMB						
111	3'-0"	7'-0"	FG	ALUM.	PF	C	6"	ALUM.	PF	3	2	2	---	---	CTIG	---	111
113	3'-0"	7'-0"	FG	ALUM.	PF	C	6"	ALUM.	PF	3	2	1	---	---	CTIG	---	113
114	3'-0"	7'-0"	FG	ALUM.	PF	C.1	6"	ALUM.	PF	3	1, 2	2	2/A4-1	---	CTIG	2	114
116	3'-0"	7'-0"	FG	ALUM.	PF	C.1	6"	ALUM.	PF	3	2	3	2/A4-1	---	CTIG	2	116
118	3'-0"	7'-0"	FG	ALUM.	PF	C.1	6"	ALUM.	PF	3	2	2	2/A4-1	---	CTIG	2	118
120	3'-0"	7'-0"	FG	ALUM.	PF	C.1	6"	ALUM.	PF	3	1, 2	1	2/A4-1	---	CTIG	2	120
123	PR 3'-0"	7'-0"	FG	ALUM.	PF	F	6"	ALUM.	PF	10	6, 7	4	3/A4-1	---	CTIG	2	123
125	PR 3'-0"	7'-0"	FG	ALUM.	PF	F	6"	ALUM.	PF	10	6, 7	5	3/A4-1	---	CTIG	2	125
135A	PR 3'-0"	7'-0"	FG	ALUM.	PF	B	6"	ALUM.	PF	5	7	6	---	---	CTIG	---	135A
135B	PR 3'-0"	7'-0"	FG	ALUM.	PF	B	6"	ALUM.	PF	5	7	7	---	---	CTIG	---	135B
136D	PR 3'-0"	7'-0"	FG	EXIST.	EXIST.	EXIST.	4 1/2"	EXIST.	EXIST.	---	---	---	---	---	---	1	136D
136E	PR 3'-0"	7'-0"	FG	EXIST.	EXIST.	EXIST.	4 1/2"	EXIST.	EXIST.	---	---	---	---	---	---	1	136E
136F	PR 3'-0"	7'-0"	FG	EXIST.	EXIST.	EXIST.	4 1/2"	EXIST.	EXIST.	---	---	---	---	---	---	1	136F
146	PR 3'-0"	7'-2"	FM	ALUM.	PF	A	6"	ALUM.	PF	13	2	8	---	---	---	3	146
147	PR 3'-0"	7'-2"	HG	ALUM.	PF	A	6"	ALUM.	PF	13	2	4	---	---	CTIG	3	147
147A	PR 3'-0"	7'-2"	FM	ALUM.	PF	A	6"	ALUM.	PF	13	2	2	2/A4-1 SIM	---	---	2,3	147A
148	3'-0"	7'-2"	F	GFRP	PF	AA	6"	GFRP	PF	11	12	9	90 MIN.	---	---	---	148
148A	3'-0"	7'-2"	F	GFRP	PF	AA	6"	GFRP	PF	17	18	10	90 MIN.	---	---	---	148A
148E	PR 3'-0"	7'-0"	FG	EXIST.	EXIST.	EXIST.	4 7/8"	EXIST.	EXIST.	---	---	---	---	---	---	1	148E
148F	PR 3'-0"	7'-0"	FG	EXIST.	EXIST.	EXIST.	4 1/2"	EXIST.	EXIST.	---	---	---	---	---	---	1	148F
148G	PR 3'-0"	7'-0"	FG	EXIST.	EXIST.	EXIST.	4 1/2"	EXIST.	EXIST.	---	---	---	---	---	---	1	148G
149	PR 3'-0"	7'-0"	FG	ALUM.	PF	I	6"	ALUM.	PF	10	8	5	---	---	CTIG	---	149
150	3'-0"	7'-0"	FG	ALUM.	PF	I	6"	ALUM.	PF	10	14	11	---	---	CTIG	---	150
151	3'-2"	7'-0"	FM	ALUM.	PF	E	6"	ALUM.	PF	9	2,8	2	---	---	---	---	151
152	PR 3'-0"	7'-0"	FM	ALUM.	PF	E	6"	ALUM.	PF	9	2,8	2	---	---	---	---	152
153	PR 3'-0"	6'-8"	FM	ALUM.	PF	D	6"	ALUM.	PF	9	2	5	---	---	---	---	153
154	3'-0"	7'-0"	FG	ALUM.	PF	C.1	6"	ALUM.	PF	10	8	2	---	---	CTIG	---	154
155	3'-0"	7'-0"	FG	ALUM.	PF	C.1	6"	ALUM.	PF	10	8	3	---	---	CTIG	---	155
156	PR 3'-0"	8'-0"	HG	ALUM.	PF	G	6"	ALUM.	PF	3	4, 4/A1-1	12	---	---	CTIG	---	156
507A	3'-0"	7'-0"	FG	ALUM.	PF	J	6"	ALUM.	PF	10	6	2	2/A4-1	---	CTIG	2	507A
507B	3'-0"	7'-0"	FG	ALUM.	PF	J	6"	ALUM.	PF	10	8	2	2/A4-1	---	CTIG	2	507B
621A	3'-0"	7'-0"	FG	ALUM.	PF	H	6"	ALUM.	PF	3	2, 4	1	2/A4-1	---	CTIG	2	621A
622A	8'-6"	10'-4"	OCD	STL.	PF	OCD	0"	STL.	PF	2/A1-1	15	---	---	---	---	---	622A

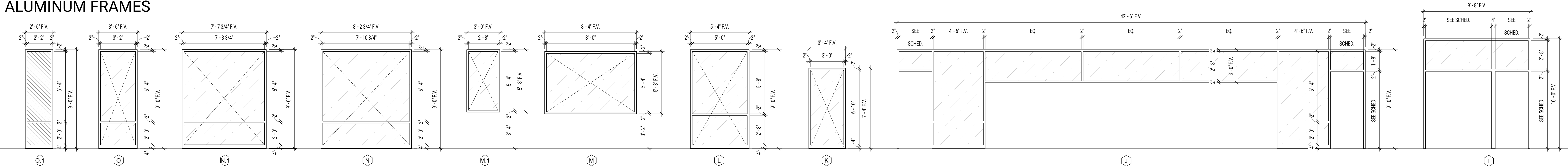
DOOR, FRAME, AND GLAZING REMARKS

- NEW SEALANT AT ALL EXISTING DOORS AND WINDOWS. SEE GEN NOTE ON A1-1.
- PROTECT EXISTING BRICK SILL.
- SEE SPEC SECTION 08 43 13 FOR DOUBLE THERMAL BREAK SYSTEM.

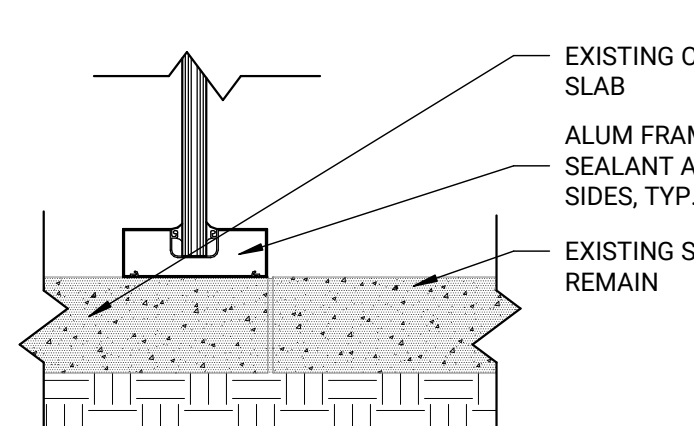
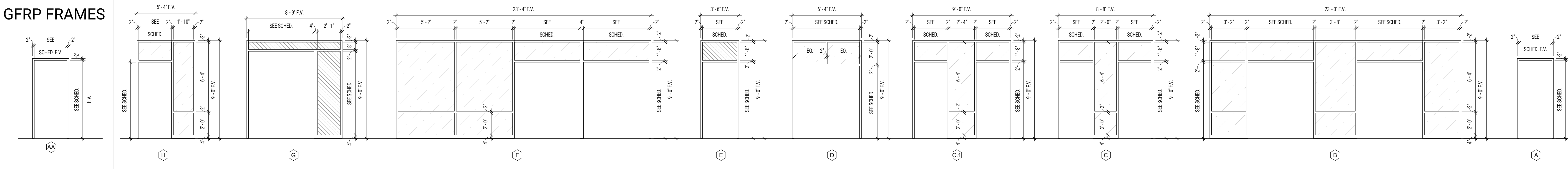


NOTE: PATTERN REPRESENTS INSULATED METAL INFILL PANELS

ALUMINUM FRAMES

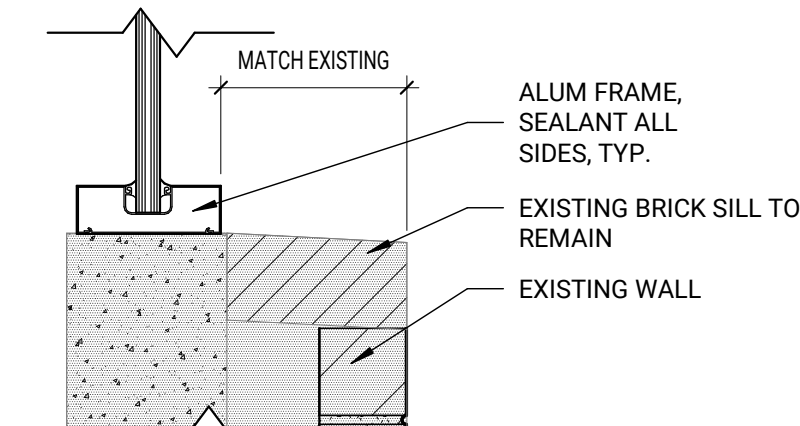


GFRP FRAMES



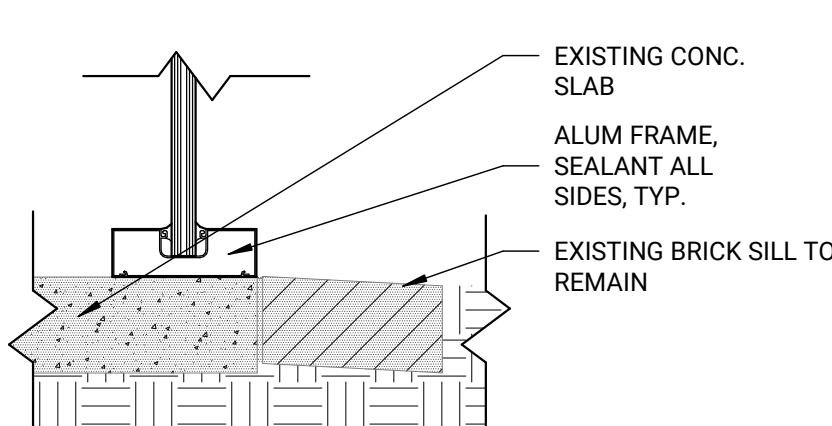
5 CONCRETE SILL AT WINDOW

A4-1 1 1/2" = 1'-0" 0' 1' 4" 8"



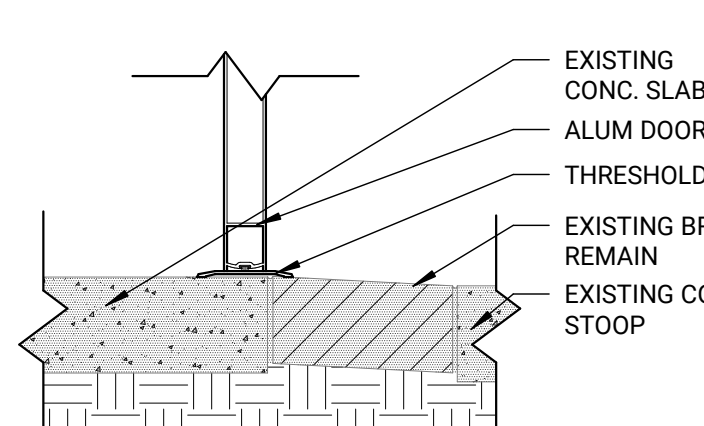
4 BRICK SILL AT WINDOW

A4-1 1 1/2" = 1'-0" 0' 1' 4" 8"



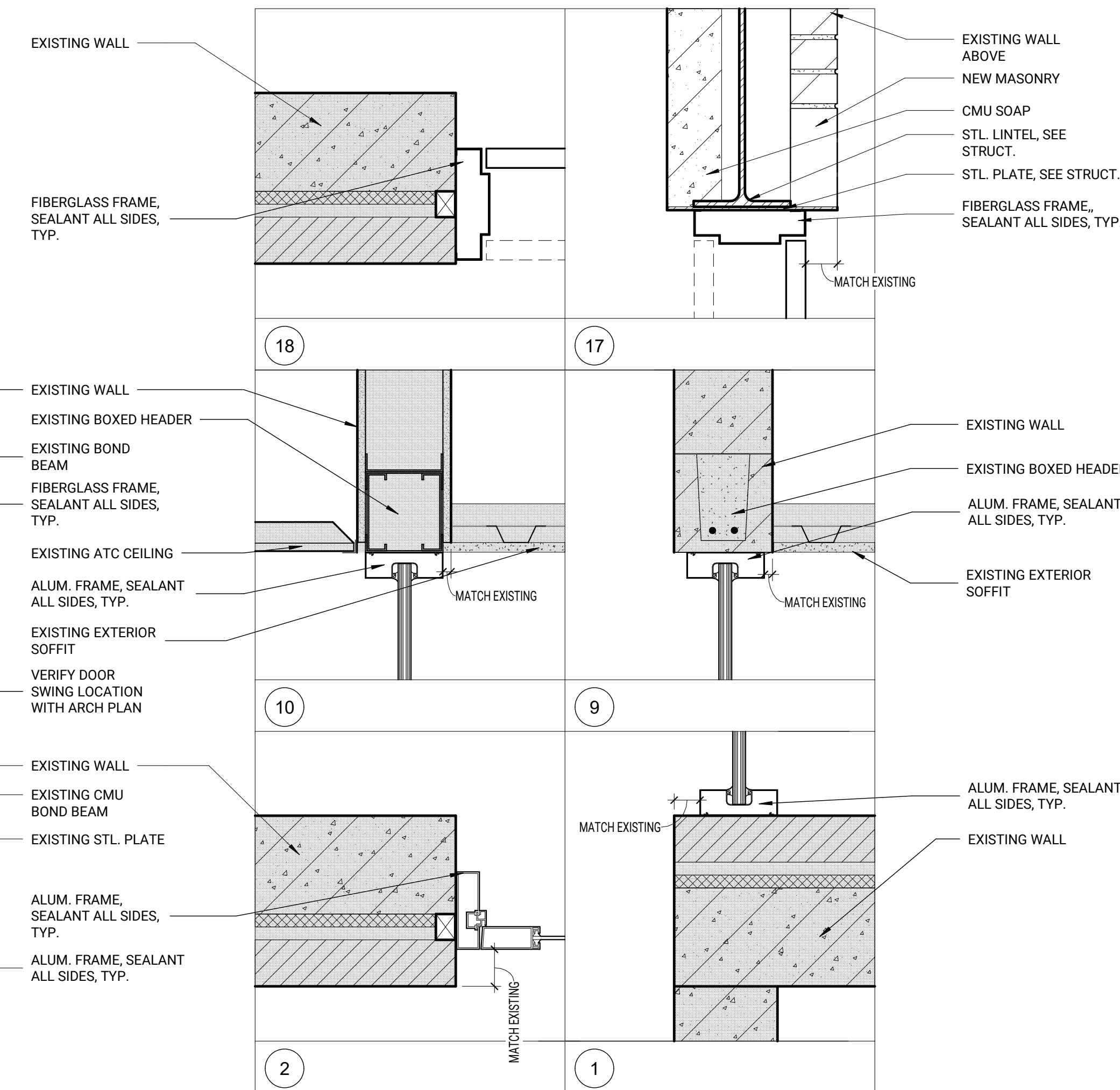
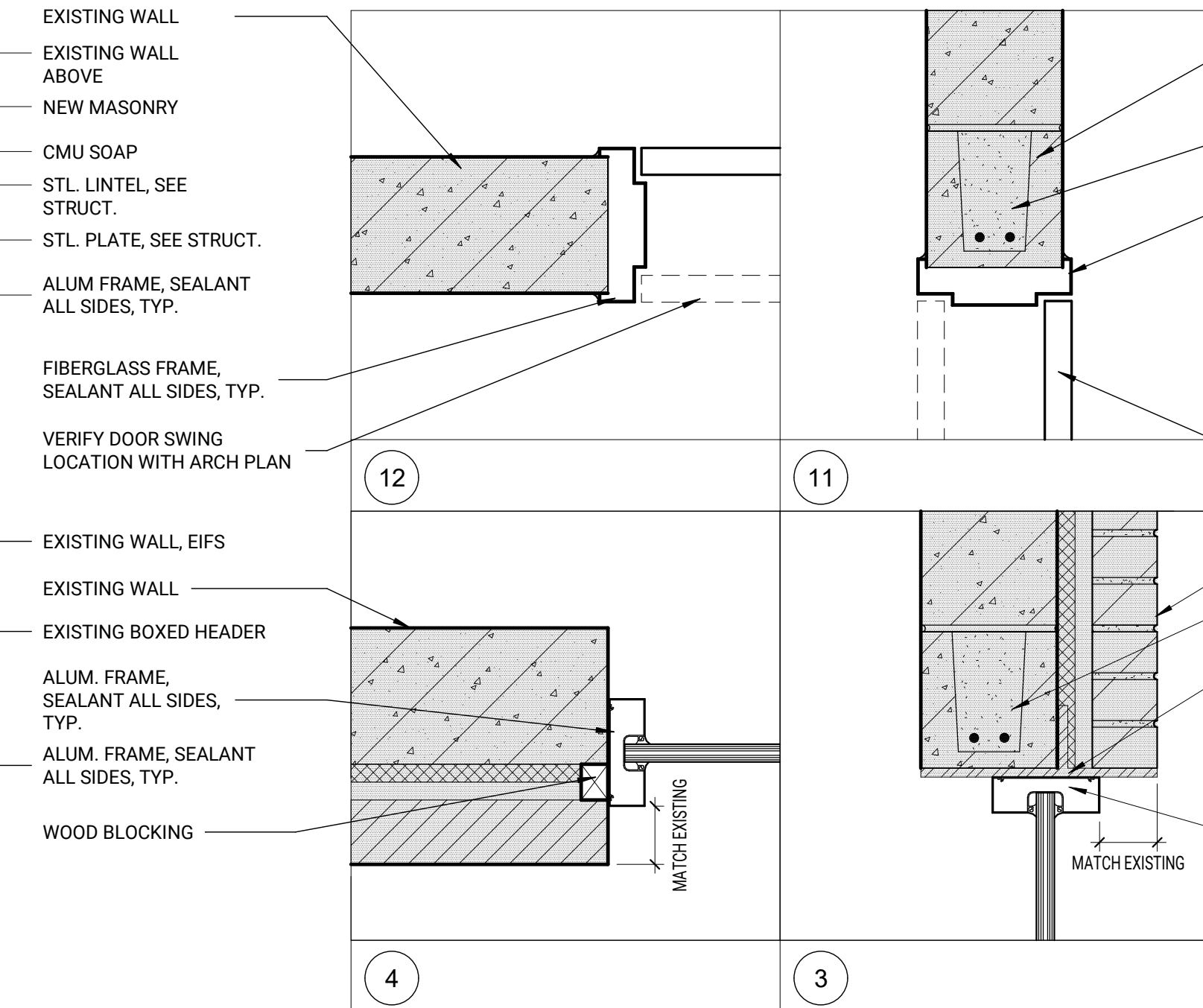
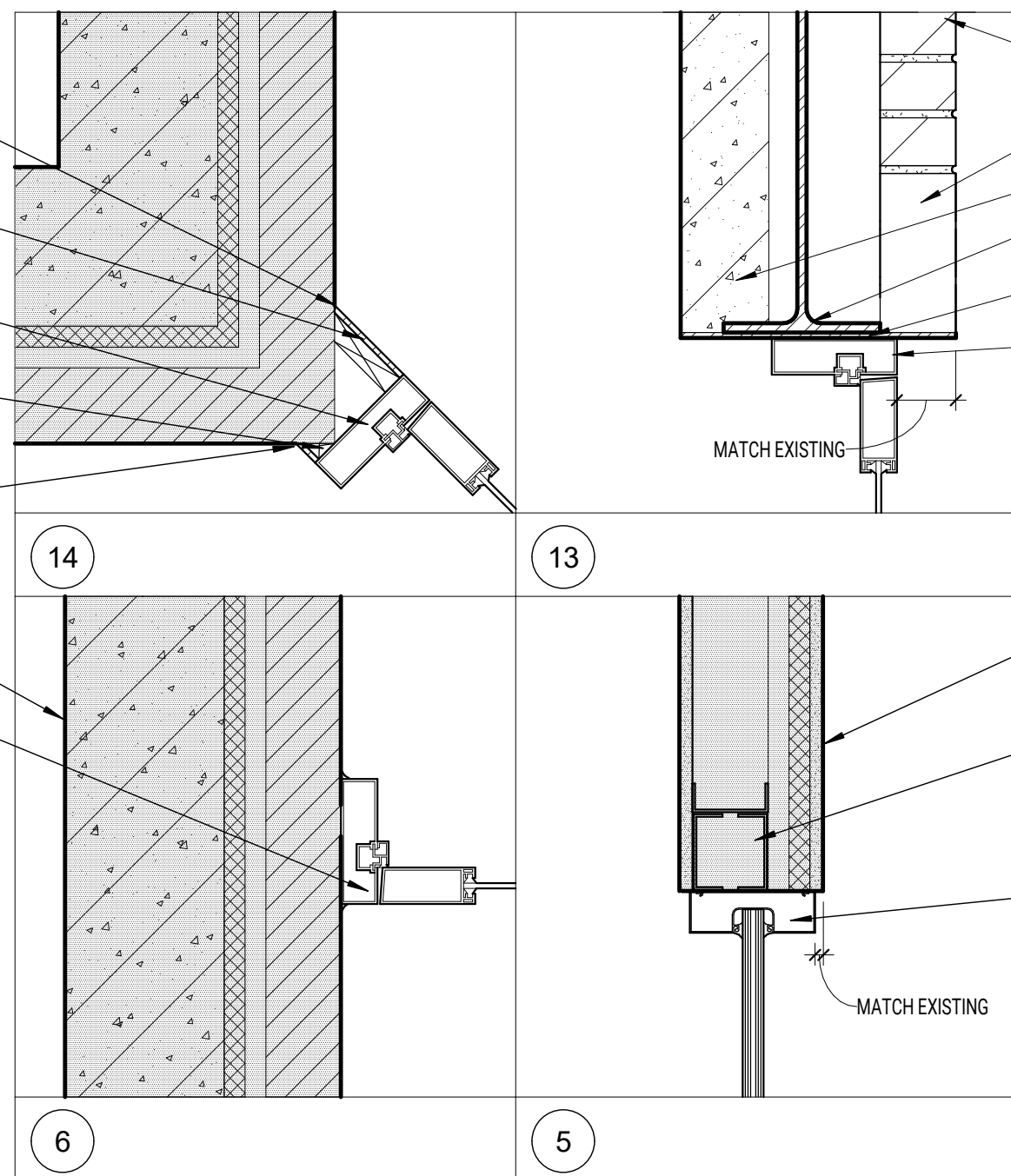
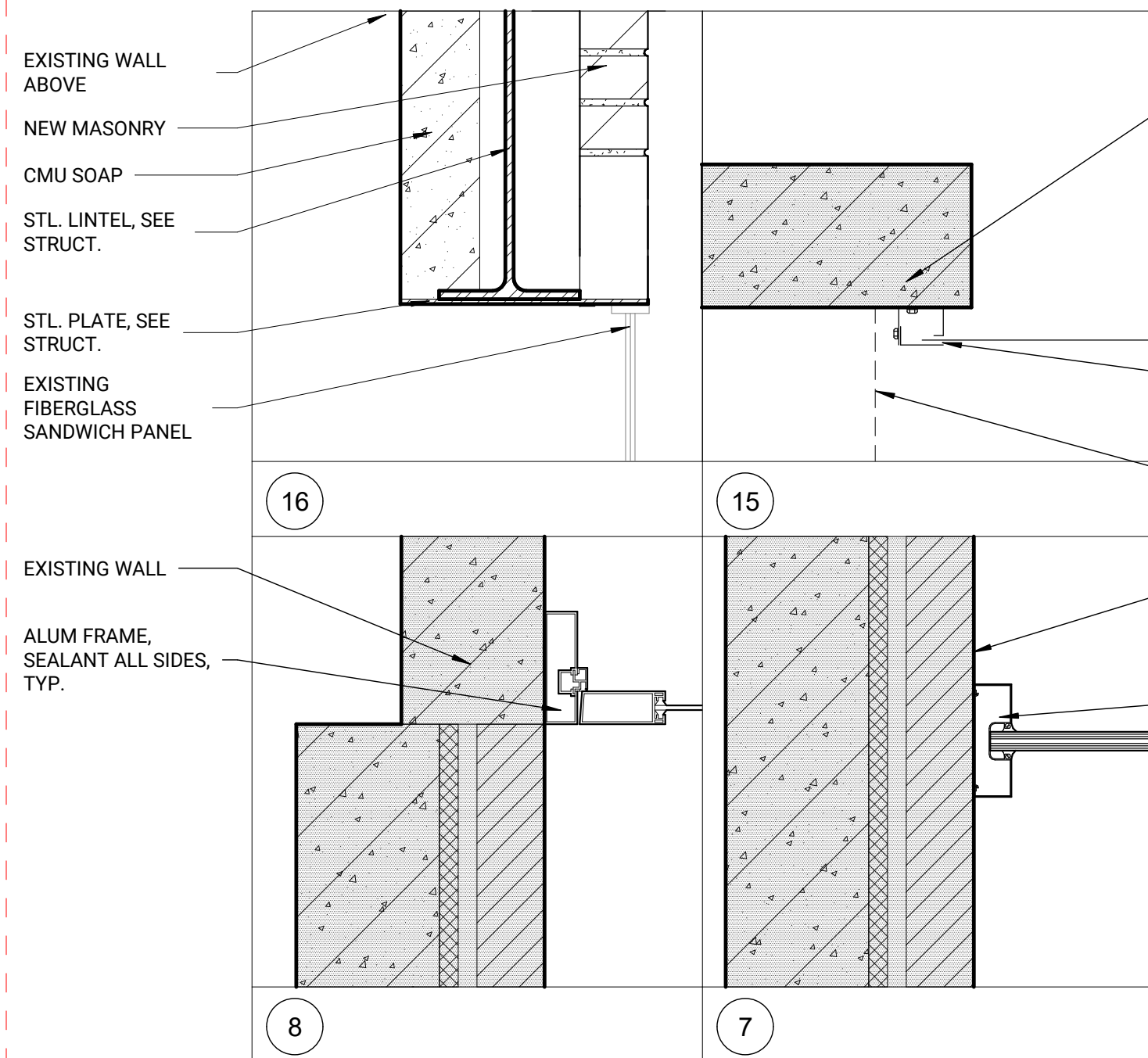
3 BRICK SILL AT WINDOW TO FINISHED FLOOR

A4-1 1 1/2" = 1'-0" 0' 1' 4" 8"



2 BRICK SILL DETAIL AT DOOR

A4-1 1 1/2" = 1'-0" 0' 1' 4" 8"



1 DOOR AND FRAME DETAILS - GRID

A4-1 1 1/2" = 1'-0" 0' 1' 4" 8"

PROJECT TEAM

ARCHITECTURE + INTERIORS

BCDM ARCHITECTS
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4125 HARRY LANGDON
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IA 51503

LEWIS CENTRAL COMMUNITY SCHOOL DISTRICT

DOORS AND WINDOWS

A4-1

CONSTRUCTION DOCUMENTS
BCDM NO. 5551-03
07 NOVEMBER 2025

DESIGN CRITERIA

1.

BUILDING CODE: INTERNATIONAL BUILDING CODE 2015, INTERNATIONAL EXISTING BUILDING CODE 2018 + ANY APPLICABLE LOCAL AMENDMENTS.
2.

DEAD LOAD: WEIGHT OF ALL STRUCTURAL AND NON-STRUCTURAL PERMANENT COMPONENTS OF THE BUILDING.
3.

FLOOR LIVE LOADS:

•

SLAB ON GRADE

100 PSF
4.

ROOF LIVE LOADS:

•

30 PSF
5.

ROOF SNOW LOAD FACTORS:

•

GROUND SNOW LOAD (Pg)

25 PSF

•

FLAT ROOF SNOW LOAD (P_f)

20 PSF

•

SNOW EXPOSURE FACTOR (Ce)

1.0

•

SNOW LOAD IMPORTANCE FACTOR (Is)

1.0

•

THERMAL FACTOR (Ci)

1.0
6.

WIND LOAD FACTORS:

•

BASIC WIND SPEED

111 MPH

•

RISK CATEGORY

II

•

EXPOSURE CATEGORY

B
7.

SEISMIC LOAD FACTORS:

•

SITE CLASS =

D

•

SPECTRAL RESPONSE COEFFICIENT SDS

0.078

•

SPECTRAL RESPONSE COEFFICIENT SD1

0.074

•

SEISMIC IMPORTANCE FACTOR I_e

1.0

•

RISK CATEGORY

II

•

SEISMIC DESIGN CATEGORY

A

COORDINATION AND VERIFICATION

1.

ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR AND SHALL CONFORM TO THOSE SHOWN ON OTHER DRAWINGS. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES FOUND.
2.

IF MATERIALS, QUANTITIES, STRENGTHS OR SIZES INDICATED BY THE DRAWINGS OR SPECIFICATIONS ARE NOT IN AGREEMENT WITH THESE NOTES, THE BETTER QUALITY AND/OR GREATER QUANTITY, STRENGTH OR SIZE INDICATED, SPECIFIED OR NOTED SHALL BE PROVIDED.

FOUNDATIONS

1.

ALL FOOTINGS HAVE BEEN DESIGNED FOR AN ALLOWABLE NET BEARING PRESSURE = 1500 PSF
2.

PROVIDE SHEETING, SHORING, AND BRACING AS REQUIRED TO PROTECT ADJACENT BUILDINGS, STREET, AND UTILITIES.
3.

AT PERIMETER FOOTINGS AND FOOTINGS BENEATH UNHEATED AREAS, FROST DEPTH TO BE MINIMUM 42 INCHES BELOW FINISH GRADE.
4.

NOTIFY ENGINEER OF UNUSUAL SOIL CONDITIONS BEFORE PROCEEDING WITH WORK.

CAST-IN-PLACE CONCRETE

1.

CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"
2.

SUBMIT SHOP DRAWINGS FOR ALL REINFORCING STEEL AND EMBEDDED ITEMS.
3.

COLD WEATHER CONCRETING SHALL CONFORM TO ACI - 306. HOT WEATHER CONCRETING SHALL CONFORM TO ACI - 305
4.

DO NOT PLACE PIPES, DUCTS, OR OTHER ITEMS IN STRUCTURAL CONCRETE WITHOUT APPROVAL OF THE ARCHITECT OR ENGINEER.
5.

ALL REINFORCEMENT, ANCHOR BOLTS, & EMBEDDED ITEMS SHALL BE PLACED AND INSPECTED PRIOR TO CONCRETE PLACEMENT. DO NOT "FLOAT" ITEMS INTO FOOTINGS
6.

REINFORCEMENT: DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60.
7.

WELDED WIRE FABRIC TO BE FLAT SHEETS AND CONORM TO ASTM A 185.
8.

CEMENT: NORMAL PORTLAND CEMENT, ASTM C150, TYPE 1.
9.

AGGREGATE: DURABLE, WELL-GRADED MINERALS CONFORMING TO ASTM C33.
10.

WATER SHALL BE CLEAN, POTABLE, AND FREE FROM DELETERIOUS MATERIALS. ADDITION OF WATER AT JOBSITE WILL NOT BE ALLOWED UNLESS SPECIFICALLY APPROVED
11.

CONCRETE MIX: f_c = 4,000 PSI, SLUMP 2" TO 4", SEE SPECIFICATION FOR ANY ALTERNATE MIXES
12.

ADMIXTURES SHALL CONFORM TO ASTM C494. USE AIR ENTRAINING ADMIXTURES CONFORMING TO ASTM C260 TO MAINTAIN AIR CONTENT RANGE 6%-7% FOR EXTERIOR CONCRETE.
13.

GROUT SHALL BE NON-SHRINK, NON-METALLIC. CONCRETE CONTRACTOR TO PROVIDE AND INSTALL IN ACCORDANCE TO MANUFACTURER'S DIRECTIONS.
14.

THOROUGHLY COMPACT AND VIBRATE CONCRETE INTO CORNERS AND AROUND REINFORCING AND EMBEDDED ITEMS. USE INTERNAL VIBRATION WHERE SIZE OF SECTION PERMITS.
15.

CONCRETE COVER, UNLESS NOTED OTHERWISE, DETAIL REINFORCING TO PROVIDE MINIMUM CONCRETE COVER AS FOLLOWS:

•

CONCRETE CAST AGAINST, AND PERMANENTLY EXPOSED TO, EARTH.

3"

•

CONCRETE EXPOSED TO EARTH OR WEATHER.

2"

•

CONCRETE NOT EXPOSED TO EARTH OR WEATHER, BEAM AND COLUMN BARS

1 1/2"

•

CONCRETE NOT EXPOSED TO EARTH OR WEATHER, SLAB AND WALLS

1"
16.

PROVIDE CORNER BARS AT WALL AND FOOTING CORNERS TO MATCH HORIZONTAL REINFORCING.
17.

SAWCUT CONTROL JOINTS IN CONCRETE SLABS ON GRADE SHALL BE 1/8" WIDE AND 1/4 OF SLAB THICKNESS IN DEPTH. CUTTING OPERATIONS SHALL BE FROM 4 TO 12 HOURS AFTER PLACING CONCRETE. WHEN THE AIR TEMPERATURE IS LESS THAN 50 DEGREES, SAW CUT 12 HOURS AFTER PLACING CONCRETE. JOINTS TO BE ON COLUMN LINES AND MAXIMUM SPACING OF JOINTS SHALL BE 14'-0" UNLESS SHOWN OTHERWISE ON DRAWINGS.
18.

POST-INSTALLED MECHANICAL ANCHORS: HILTI KWIK BOLT TZ, ICC-ES ESR-1917 (CARBON STEEL AND ANSI TYPE 304 STAINLESS STEEL).
19.

POST-INSTALLED ADHESIVE ANCHORS: HILTI HAS THREADED RODS, INTERNALLY THREADED INSERTS, OR REBAR WITH HILTI RE 500 SD INJECTION ADHESIVE ANCHORING SYSTEM FOR ANCHORAGE TO CONCRETE, ICC-ES ESR-2332.
20.

MINIMUM LAP SPLICE AND DEVELOPMENT LENGTH IN INCHES SHOWN IN TABLE BELOW APPLY TO f_c= 4000 PSI AND f_y = 60,000 PSI. TOP BARS DEFINED AS HORIZONTAL REINFORCEMENT SUCH THAT 12" OF CONCRETE IS CAST BELOW THE SPLICE OR DEVELOPMENT LENGTH. LAP TOP BARS AT MID-SPAN. LAP BOTTOM BARS AT SUPPORTS.

BAR SIZE	SPLICE LENGTH		DEVELOPMENT LENGTH	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	24	19	19	15
#4	32	25	25	19
#5	40	31	31	24
#6	48	37	37	29
#7	70	54	54	42
#8	80	62	62	48
#9	91	70	70	54
#10	102	79	79	61
#11	113	87	87	67

MASONRY

1.

CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT CONFORMING TO ASTM C90. MASONRY UNIT COMPRESSIVE STRESS = 2000 PSI, MASONRY ASSEMBLAGE COMPRESSIVE STRESS f_m = 1500 PSI.
2.

MORTAR SHALL CONFORM TO ASTM C270 TYPE S OR M, f_c = 2000 PSI.
3.

GROUTING FOR REINFORCED MASONRY CELLS TO BE LOW LIFT WITH MAXIMUM GROUT HEIGHT = 4'-8" UNLESS SPECIFICALLY APPROVED.
4.

ALL MASONRY WALLS SHALL BE REINFORCED HORIZONTALLY WITH HOT DIPPED GALVANIZED STEEL 9 GAGE LADDER TYPE JOINT REINFORCING AT 16" O.C. REINFORCE WALLS VERTICALLY AS SHOWN ON DRAWINGS WITH LAP SPLICES = 40 BAR DIAMETERS.
5.

PROVIDE (1) - #5 VERTICAL BAR AT ALL CORNERS AND ENDS OF WALLS. PROVIDE (1) - #5 BAR ON EACH SIDE OF ALL OPENINGS. EXTEND BARS 2'-0" BEYOND OPENING.
6.

PROVIDE CONTINUOUS BOND BEAM AT ALL BEARING LOCATIONS AND TOP OF WALL. PROVIDE 100% SOLID BEARING, MINIMUM 3 COURSES UNDER BEAMS, 1 COURSE UNDER JOISTS, UNLESS DETAILED OTHERWISE.
7.

HOLLOW MASONRY UNITS TO BE LAID WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS. WEBS SHALL ALSO BE BEDDED IN ALL UNITS. TOOL ALL JOINTS.
8.

PROVIDE TEMPORARY SHORING NECESSARY FOR LATERAL SUPPORT OF ALL MASONRY WALLS.
9.

PROVIDE LINTELS OVER ALL OPENINGS IN MASONRY WALLS. REFER TO ALL DRAWINGS FOR SIZES AND LOCATIONS OF OPENINGS.
10.

THE FABRICATOR SHALL SUPPLY LOOSE ANGLE LINTELS OVER ALL MASONRY OPENINGS AND RECESSES. LINTELS NOT SHOWN OR DETAILED ON DRAWINGS SHALL CONSIST OF A 3/8" BENT PLATE WITH 6" VERTICAL LEG AND HORIZONTAL LEG 1/2" LESS THAN EXTERIOR VENEER SURFACE TO SUBSTRATE WITH 8" END BEARING.
11.

POST-INSTALLED MECHANICAL ANCHORS: HILTI KWIK BOLT TZ, ICC-ES ESR-3785 (CARBON STEEL AND ANSI TYPE 304 STAINLESS STEEL).
12.

POST-INSTALLED ADHESIVE ANCHORS: HILTI HAS THREADED RODS, INTERNALLY THREADED INSERTS, OR REBAR WITH HILTI HIT-HY 70 INJECTION ADHESIVE ANCHORING SYSTEM FOR ANCHORAGE TO UNGROUTED CMU, ICC-ES ESR-2682.
13.

POST-INSTALLED ADHESIVE ANCHORS: HILTI HAS THREADED RODS, INTERNALLY THREADED INSERTS, OR REBAR WITH HILTI HIT-HY 200 INJECTION ADHESIVE ANCHORING SYSTEM FOR ANCHORAGE TO GROUTED CMU, ICC-ES ESR-3993.

STRUCTURAL STEEL

1.

ALL MATERIAL AND WORK SHALL CONFORM TO THE "AISC" MANUAL OF STEEL CONSTRUCTION LATEST EDITION, AND "AISC" CODE OF STANDARD PRACTICE, LATEST EDITION.
2.

WIDE FLANGE AND WT SECTIONS: ASTM A992, GRADE 50, U.N.O. ALL OTHER SHAPES AND PLATES: ASTM A36
3.

SQUARE AND RECTANGULAR TUBING: ASTM A500 GRADE B, F_y=46 KSI. STRUCTURAL ROUND PIPE: ASTM A500 OR A53, GRADE B.
4.

BOLTS FOR STRUCTURAL STEEL CONNECTIONS: 3/4" DIAMETER, ASTM A325, REGULAR HIGH STRENGTH BOLTS WITH HARDENED WASHERS. ALL HIGH STRENGTH BOLTS SHALL BE TORQUED PER ASTM A325, UNLESS DETAILED OTHERWISE
5.

ANCHOR RODS: ASTM F1554 STEEL OR AS SPECIFIED, WITH EMBEDDED NUT AND WASHER, LEVELING & TOP NUT WITH PLATE WASHERS.
6.

WELDING TO BE PERFORMED BY WELDERS THAT ARE AWS CERTIFIED IN TYPE OF WELD CALLED FOR USING LOW HYDROGEN E70 ELECTRODES.
7.

CONNECTIONS TO BE DESIGNED IN ACCORDANCE WITH "AISC" STANDARDS. CONNECTION DESIGN SHALL BE BY STEEL FABRICATOR UNLESS SPECIFICALLY DETAILED OTHERWISE. CONNECTIONS SHALL SUPPORT A MINIMUM OF ONE-HALF THE TOTAL UNIFORM LOAD CAPACITY CALCULATED FROM THE TABLES FOR ALLOWABLE UNIFORM LOADS FOR BEAMS IN THE AISC "MANUAL OF STEEL CONSTRUCTION", LATEST EDITION.
8.

ALL OPEN ENDS OF TUBE SECTIONS SHALL BE SUPPLIED WITH A 1/4" SEAL WELDED END PLATE.
9.

SUBMIT DETAILED FABRICATION AND ERECTION DRAWINGS FOR ALL WORK. SHOP DRAWINGS SHALL BE PREPARED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE IN WHICH THE PROJECT IS LOCATED.
10.

INTERIOR STRUCTURAL STEEL THAT IS NOT EXPOSED TO VIEW WILL REQUIRE NO PRIMER OR PAINT. EXPOSED STRUCTURAL STEEL TO BE PAINTED PER PAINT SYSTEM SHOWN IN SPECIFICATIONS. SURFACES SHALL BE CLEANED IN ACCORDANCE WITH SSPC RATING PER PAINT MANUFACTURER'S RECOMMENDATIONS.
11.

ALL EXTERIOR EXPOSED STRUCTURAL STEEL AND LINTELS TO BE GALVANIZED.

SPECIAL INSPECTIONS

1.

CONTRACTOR TO COORDINATE SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC 2015 SECTION 1705. AS NOTED BELOW, SPECIAL INSPECTION SHALL BE PERFORMED BY AN INDEPENDENT INSPECTION FIRM UNDER THE SUPERVISION OF A LICENSED ENGINEER AND APPROVED BY THE BUILDING OFFICIAL AND ARCHITECT & ENGINEER OF RECORD.
2.

SPECIAL INSPECTOR SHALL OBSERVE WORK FOR CONFORMANCE w/ DESIGN DRAWINGS & SPECIFICATIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. UNCORRECTED DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT & ENGINEER OF RECORD.
3.

MONTHLY INSPECTION REPORTS SHALL BE PROVIDED TO BUILDING OFFICIAL AND ARCHITECT & ENGINEER OF RECORD.
4.

SPECIAL INSPECTION REQUIREMENTS INCLUDE THE FOLLOWING:

•

STRUCTURAL STEEL PER SECTION 1705.2 AND AISC 360

•

STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL PER TABLE 1705.2.2

•

WELDING OF STRUCTURAL STEEL PER SECTION 1705.2, AISC 360, AND AWS D1.1. WELDING OF COLD FORMED STEEL FLOOR AND ROOF DECK PER TABLE 1705.2.2 AND AWS D1.3.

•

CONCRETE CONSTRUCTION PER SECTION 1705.3 AND TABLE 1705.3. EXCEPTIONS 1 AND 2 NOT ALLOWED.

•

STRUCTURAL MASONRY PER SECTION 1705.4, TMS 402/ACI 530/ASCE 5, AND TMS 602/ACU 530.1/ASCE 6.

•

POST-INSTALLED EXPANSION AND ADHESIVE ANCHOR INSTALLATION IN ACCORDANCE WITH ICBO REPORTS NOTED THIS SHEET.



PROJECT TEAM

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Omaha, NE 68114

CIVIL ENGINEER

LAMP RYNEARSON
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STRUCTURAL ENGINEER

KLARE STRUCTURAL ENGINEERING
302 South 51st Avenue
Omaha, NE 68132

ELECTRICAL ENGINEER

MORRISSEY ENGINEERING
4940 N 118th St
Omaha, NE 68164

REVISION SCHEDULE

#	Description	Date
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TITAN HILL
EXTERIOR
ENVELOPE

4125 HARRY LANGDON
BLVD, COUNCIL
BLUFFS, IA 51503

LEWIS CENTRAL
COMMUNITY
SCHOOL DISTRICT

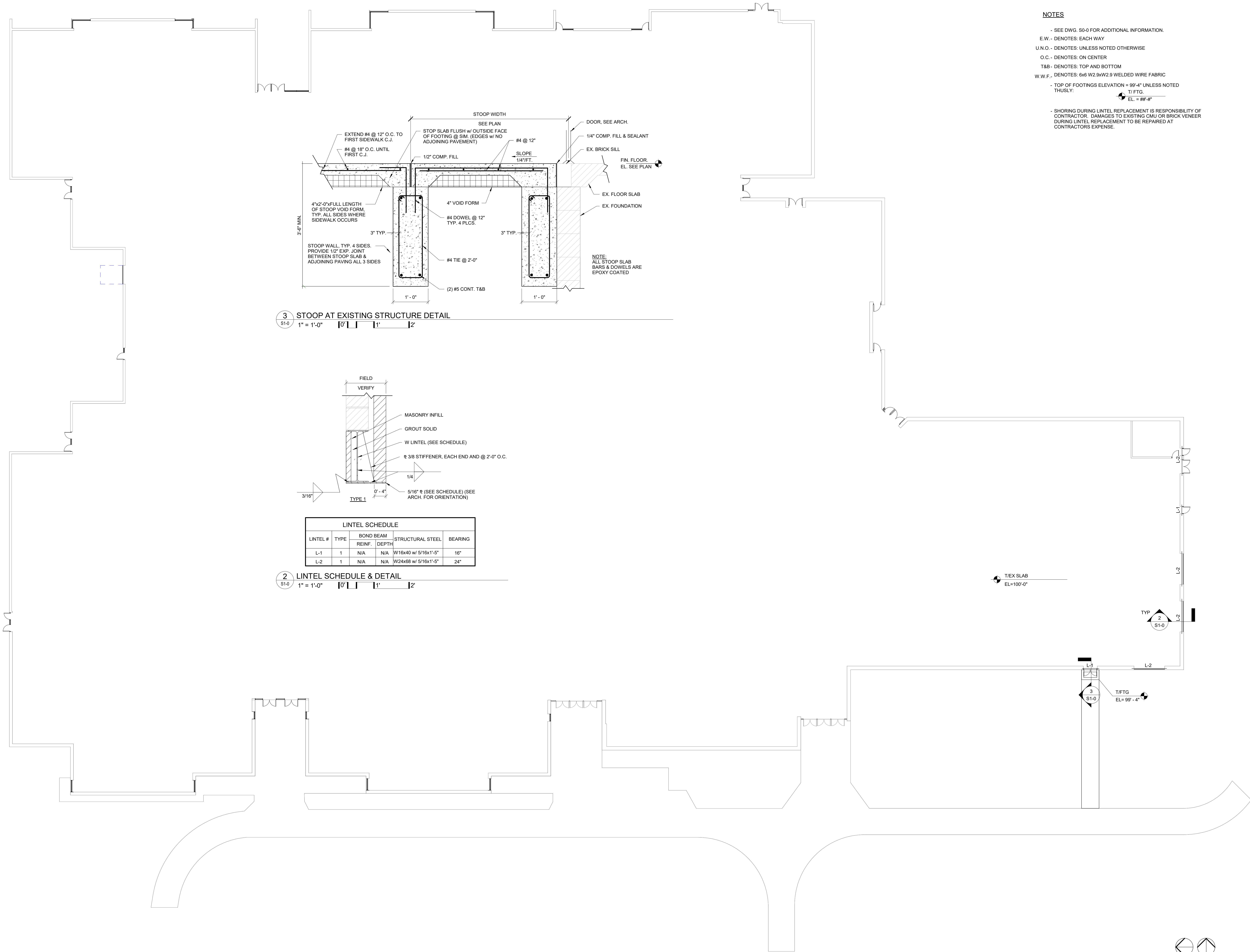
GENERAL
STRUCTURAL NOTES

S0-0

CONSTRUCTION DOCUMENTS
BCDM NO. 5551-03
07 NOVEMBER 2025

LEFT BINDING EDGE

1/16/2025 5:12:56 PM



NOTES

- SEE DWG. S0-0 FOR ADDITIONAL INFORMATION.
- E.W. - DENOTES: EACH WAY
- U.N.O. - DENOTES: UNLESS NOTED OTHERWISE
- O.C. - DENOTES: ON CENTER
- T&B - DENOTES: TOP AND BOTTOM
- W.W.F. - DENOTES: 6x6 W2.9xW2.9 WELDED WIRE FABRIC
- TOP OF FOOTINGS ELEVATION = 99'-4" UNLESS NOTED THUSLY:
T/FTG.
EL. = ##'-##"
- SHORING DURING LINTEL REPLACEMENT IS RESPONSIBILITY OF CONTRACTOR. DAMAGES TO EXISTING CMU OR BRICK VENEER DURING LINTEL REPLACEMENT TO BE REPAIRED AT CONTRACTORS EXPENSE.



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4125 HARRY LANGDON
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LEWIS CENTRAL
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SCHOOL DISTRICT

FOUNDATION AND
LINTEL PLAN &
DETAILS

S1-0

CONSTRUCTION DOCUMENTS
BCDM NO. 5551-03
07 NOVEMBER 2025

1 FOUNDATION AND LINTEL PLAN
1/16" = 1'-0" 0' 1' 8' 16'

2 LINTEL SCHEDULE & DETAIL
1" = 1'-0" 0' 1' 2'

3 STOOP AT EXISTING STRUCTURE DETAIL
1" = 1'-0" 0' 1' 2'

ELECTRICAL NOTES

GENERAL:

1. MINIMUM BRANCH CIRCUIT CONDUIT SHALL BE 1/2". MINIMUM DATA/COMMUNICATIONS CONDUIT SHALL BE 1". SEE DRAWINGS FOR AREAS WHERE LARGER CONDUIT SIZES ARE REQUIRED.
2. PROVIDE A DEDICATED NEUTRAL CONDUCTOR AND GREEN INSULATED GROUND WIRE FOR EACH BRANCH CIRCUIT.
3. SEE DEVICE ALIGNMENT DETAIL FOR MOUNTING LOCATION AND HEIGHT OF ELECTRICAL DEVICES ADJACENT TO DOORS.
4. PROVIDE APPROPRIATELY RATED DEVICES OR ENCLOSURES AS REQUIRED TO MAINTAIN THE INTEGRITY OF FIRE AND SMOKE RATED CONSTRUCTION. ENSURE ALL PENETRATIONS THROUGH FIRE AND SMOKE BARRIERS ARE PROPERLY FIRESTOPPED. CONTRACTOR SHALL COORDINATE REQUIRED LOCATIONS AND RATINGS WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS.
5. ALL LOW VOLTAGE CABLING THAT PENETRATES WALLS SHALL BE ROUTED THROUGH CONDUIT SLEEVES. PROVIDE SMOKE AND ACOUSTIC SLEEVES (HILT CS-SL SA OR EQUAL BY STI) OR APPROPRIATELY RATED SLEEVE FOR ALL FIRE AND SMOKE RATED CONSTRUCTION. REFER TO PLANS FOR REQUIRED SLEEVE LOCATIONS AND PROVIDE ADDITIONAL SLEEVES AT CONTRACTOR'S DISCRETION AS REQUIRED TO ROUTE CABLING. LOCATE SLEEVES ABOVE ACCESSIBLE CEILINGS AND PROVIDE INSULATED BUSHINGS ON EACH END.
6. EXPOSED STRUCTURE: ROUTE CONDUIT TIGHT TO DECK IN SPACES WITHOUT CEILINGS OR PARTIALLY-OPEN CEILINGS. EXPOSED WIRING OR CABLING OF ANY TYPE IS NOT ALLOWED UNLESS NOTED OTHERWISE. CONDUIT SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO STRUCTURE IN A NEAT AND WORKMANLIKE MANNER AND GROUPED WHERE POSSIBLE. PAINT EXPOSED CONDUIT AND BOXES TO MATCH STRUCTURE IN ALL FINISHED AREAS.
7. ALL CABLING AND RACEWAY INSTALLED IN EXPOSED OR CONCEALED LOCATIONS NEAR METAL CORRUGATED ROOF DECKING SHALL BE INSTALLED WITH THE REQUIRED CLEARANCE PER NEC SECTION 300.4(E).
8. CONDUIT SHALL BE CONCEALED WHEREVER POSSIBLE IN ALL NEW AND EXISTING WALLS. IF CONDUIT IS UNABLE TO BE CONCEALED IN EXISTING WALLS DUE TO STRUCTURAL LIMITATIONS, PROVIDE WIREMOLD SURFACE METAL RACEWAY AT NO ADDITIONAL COST TO THE OWNER. WIREMOLD 2400 SERIES SHALL BE USED FOR DATA CABLING. FOR LOCATIONS WITH BOTH POWER AND DATA CABLING, PROVIDE WIREMOLD 4000 SERIES WITH DIVIDERS INSTALLED FOR POWER, AV, AND TELECOMMUNICATIONS CABLING. COORDINATE ROUTING OF EXPOSED RACEWAYS IN FINISHED AREAS WITH ARCHITECT PRIOR TO INSTALLATION.
9. PROVIDE TYPED AS-BUILT DIRECTORY FOR ALL ELECTRICAL PANELS, LIGHTING CONTROL PANELS, AND FIRE ALARM SYSTEM AT COMPLETION OF PROJECT. UPDATE ALL EXISTING PANELBOARD DIRECTORIES IMPACTED BY ELECTRICAL WORK. DIRECTORY LABELS SHALL INCLUDE A DESCRIPTION OF THE LOAD AS WELL AS THE OWNER'S ROOM NAME AND NUMBER.

DEMOLITION:

1. COMPLETE EXTENT OF DEMOLITION IS NOT INDICATED ON THE ELECTRICAL DRAWINGS. THE CONTRACTOR SHALL VISIT THE SITE AND SHALL BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BID DATE.
2. DEMOLITION DRAWINGS INDICATE LUMINAIRES, DEVICES AND MAJOR PIECES OF EQUIPMENT WHICH ARE TO BE REMOVED OR RECONNECTED (INDICATED DASHED). REMOVE ASSOCIATED ITEMS NOT INDICATED BUT WHICH MUST BE REMOVED TO ACCOMMODATE REMODELING. SEE PROJECT MANUAL "WORK IN EXISTING BUILDINGS" FOR ADDITIONAL INFORMATION.
3. SUBSCRIPT 'E' INDICATES AN EXISTING LUMINAIRE OR DEVICE TO REMAIN. PROVIDE ADDITIONAL CONDUIT AND WIRING TO MAINTAIN CIRCUIT CONTINUITY FOR DOWNSTREAM DEVICES/LUMINAIRES.
4. SUBSCRIPT 'R' INDICATES AN EXISTING LUMINAIRE OR DEVICE TO BE RELOCATED. REMOVE EXISTING LUMINAIRE OR DEVICE, PROTECT, AND STORE FOR RE-INSTALLATION. SEE NEW WORK PLANS FOR NEW LOCATION AND RECONNECT AS INDICATED.
5. REMOVE ALL UNUSED LOW VOLTAGE AND FIRE ALARM CABLING UNLESS NOTED OTHERWISE.
6. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL ELECTRICAL DEMOLITION ITEMS AND WHERE EXISTING WALLS ARE TO BE REMOVED. DISCONNECT AND REMOVE ELECTRICAL DEVICES, EQUIPMENT AND ASSOCIATED WIRING AS REQUIRED TO ACCOMMODATE CONSTRUCTION.
7. THE OWNER SHALL HAVE FIRST SALVAGE RIGHTS TO ALL ELECTRICAL ITEMS. CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH OWNER AND DISPOSE OF UNWANTED ITEMS.
8. WHERE EXISTING CIRCUITS ARE NOT REUSED, REMOVE CONDUCTORS AND ASSOCIATED RACEWAYS BACK TO THEIR SOURCE. CONDUITS CONCEALED IN WALLS MAY BE ABANDONED UNLESS NOTED OTHERWISE.
9. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING, PAINTING, REPAIRING, AND REPLACEMENT OF ALL EXISTING WALLS, CEILING, FLOORS, OR OTHER BUILDING ELEMENTS WHICH ARE DISTURBED AS PART OF THE DEMOLITION OR INSTALLATION OF NEW ELECTRICAL WORK.
10. POWER TO EXISTING AREAS NOT BEING REMODELED SHALL BE MAINTAINED EXCEPT FOR SHORT TERM OUTAGES NECESSARY TO RECONNECT EXISTING CIRCUITS. COORDINATE REQUIRED OUTAGES WITH THE OWNER TO ACCOMMODATE THEIR SCHEDULE.

SPECIAL SYSTEMS:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SPECIAL SYSTEMS ROUGH-INS.
2. UNLESS OTHERWISE INDICATED, ALL TELECOMMUNICATIONS CABLING SHALL BE TERMINATED TO THE COMMUNICATIONS TERMINATION ROOM DESIGNATED FOR THAT SPECIFIC AREA OF THE FACILITY.
3. PROVIDE 10' SERVICE LOOP FOR ALL COMMUNICATIONS CABLES AT COMMUNICATION TERMINATION ROOM AND 3' SERVICE LOOP AT STATION END.
4. PROVIDE J-HOOK STYLE SUPPORTS FOR ALL CABLES NOT SUPPORTED BY CABLE TRAY (MAXIMUM 60" SPACING). ALL CABLING SHALL BE SUPPORTED ABOVE ACCESSIBLE CEILINGS. DO NOT LAY CABLES DIRECTLY ON TOP OF CEILINGS.
5. ALL CONDUIT ROUGH-INS FOR LOW VOLTAGE CABLING SHALL BE ROUTED TO ABOVE NEAREST ACCESSIBLE CEILING OR CABLE TRAY. CONDUIT STUB OUTS TO AREAS WITHOUT CEILINGS ARE NOT ACCEPTABLE.
6. PROVIDE FACTORY CABLE DROP-OUTS FOR ANY CABLING ENTERING OR EXITING CABLE TRAY OR LADDER RUNWAY.
7. PROVIDE ALL RECOMMENDED FACTORY MOUNTING BRACKETS FOR LADDER RUNWAY. PROVIDE END CLOSING KIT FOR ALL LADDER RUNWAY THAT DOES NOT TERMINATE AT A WALL.
8. PROVIDE TWO HOLE, DOUBLE CRIMP, GROUNDING LUGS WITH VIEWING HOLES SIZED TO MATCH CONDUCTORS.
9. PROVIDE STAINLESS STEEL MOUNTING HARDWARE FOR ALL GROUND CONNECTIONS.
10. MECHANICALLY LABEL ALL GROUND BARS AND CONNECTIONS TO GROUND BARS.
11. MECHANICALLY LABEL TERMINATION BLOCKS AND CABLES.
12. PROVIDE STAINLESS STEEL WALL PLATE WITH MOUNTING STUDS FOR ALL SINGLE CABLE TELEPHONE OUTLETS MOUNTED AT 44". ENSURE TERMINATION MATCHES CATEGORY CABLE RATING.
13. EXISTING SECURITY CABLING TO BE USED IN RELOCATION OF EXISTING DEVICES OR INSTALLATION OF NEW DEVICES. REROUTE AND SPLICE CABLE AS NEEDED FOR PROPER DEVICE INSTALLATION.

ELECTRICAL SYMBOLS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
LIGHTING			
	LUMINAIRE		SINGLE POLE SWITCH
	LUMINAIRE		3-WAY SWITCH
	LUMINAIRE CONNECTED TO EMERGENCY CIRCUIT OR BATTERY		4-WAY SWITCH
	STRIP LUMINAIRE		WALL BOX DIMMER SWITCH
	WALL MOUNTED LUMINAIRE		CEILING MOUNTED MOTION SENSOR SWITCH
	WALL MOUNTED LUMINAIRE		CEILING MOUNTED MOTION SENSOR SWITCH WITH 0.5VZ MARKING
	TRACK LUMINAIRE		LOW VOLTAGE LIGHTING CONTROL SWITCH
	EMERGENCY BATTERY PACK		WALL MOUNTED PHOTOCELL
	CEILING MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROW		CEILING MOUNTED PHOTOCELL SCHEDULE
	WALL OR END MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROW		POWER PACK
	RECESSED LUMINAIRE		
SECURITY			
	CEILING MOUNTED SECURITY MOTION DETECTOR		VIDEO SURVEILLANCE CAMERA (W INDICATES TYPE)
	WALL MOUNTED SECURITY MOTION DETECTOR		SECURITY CARD READER
	WALL MOUNTED REQUEST TO EXIT MOTION SENSOR		ELECTRONIC STRIKE
	DOOR POSITION SWITCH		ELECTRONIC LATCH RETRACTION
	MAGNETIC LOCK		INTRUSION ALARM
	INTERCOM STATION		WANDER GUARD
	VIDEO INTERCOM STATION		POWER TRANSFER DEVICE
	REQUEST TO EXIT PUSH BUTTON		LATCH RETRACTION DEVICE
GENERAL			
	LIGHTING PANEL		WALL MOUNTED JUNCTION BOX
	DISTRIBUTION PANEL, SWITCHBOARD OR MOTOR CONTROL CENTER		JUNCTION BOX
	CABINET, ENCLOSURE, OR CONTROL PANEL (TYPE INDICATED ON PLANS)		CONDUIT SEAL
	BRANCH CIRCUIT - EXPOSED		CONDUIT DOWN
	BRANCH CIRCUIT - CONCEALED IN CEILING OR WALL		CONDUIT UP
	BRANCH CIRCUIT - CONCEALED IN FLOOR		CONDUIT STUB OUT
	BRANCH CIRCUIT - CLASS TWO WIRING		CONDUIT BREAK
	HOME RUN TO PANEL (QUANTITY OF ARROWS INDICATES QUANTITY OF CIRCUITS)		BELL
	SPECIAL PURPOSE HOMERUN AS INDICATED		PUSH BUTTON
	CONDUIT / CONDUIT SLEEVE (SIZE INDICATED ON PLANS)		BUZZER
	SUBSCRIPT 'P' APPLIED TO ANY SYMBOL INDICATES WEATHERPROOF		THERMOSTAT
	NEMA TYPE 3R OR EQUIVALENT		SENSOR
	3R OR RT		E
	SUBSCRIPT 'W' OR 'W' APPLIED TO ANY SYMBOL INDICATES WEATHERPROOF NEMA TYPE 3R OR EQUIVALENT		R
	SUBSCRIPT 'P' APPLIED TO ANY FLOOR OUTLET INDICATES PEDESTAL MOUNTED		X
	SUBSCRIPT 'F' APPLIED TO ANY SYMBOL INDICATES FIRE RATED		M
	SUBSCRIPT 'G' APPLIED TO ANY SYMBOL INDICATES GROUP OR DIVISION AS NOTED		N
	SUBSCRIPT 'D' APPLIED TO ANY SYMBOL INDICATES DIRECT BURIAL		S

LUMINAIRE SCHEDULE											
MARK	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LIGHT SOURCE		ELECTRICAL		FINISH	MOUNTING	ACCEPTABLE MANUFACTURERS	REMARKS
				SPEC.	CCT	TYPE	LOAD VOLTS				
1	EXTERIOR WALL PACK	HUBBEL	RD1-729HB-1	3,000 LM	3500 K	LED	25 W 120 V	MATCH EXISTING	WALL		



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REVISION SCHEDULE

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EXTERIOR
ENVELOPE

4125 HARRY LANGDON
BLVD, COUNCIL
BLUFFS, IA 51503

LEWIS CENTRAL
COMMUNITY
SCHOOL DISTRICT

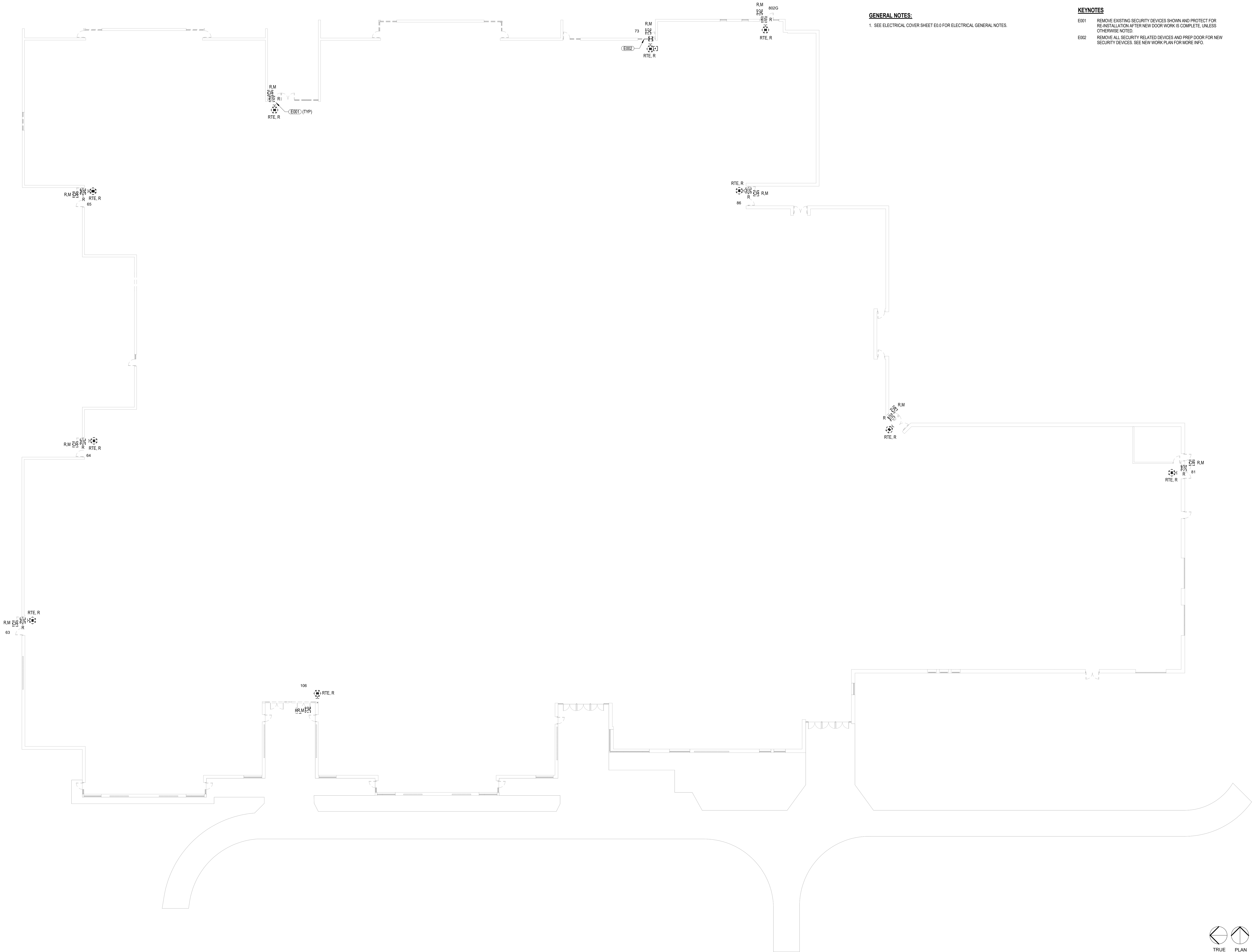
ELECTRICAL COVER
SHEET

E0-0

CONSTRUCTION DOCUMENTS
BCDM 5551-03
07 NOVEMBER 2025

LEFT BINDING EDGE

1/7/2025 8:23 AM



GENERAL NOTES:
1. SEE ELECTRICAL COVER SHEET ED1.0 FOR ELECTRICAL GENERAL NOTES.

KEYNOTES
E001 REMOVE EXISTING SECURITY DEVICES SHOWN AND PROTECT FOR RE-INSTALLATION AFTER NEW DOOR WORK IS COMPLETE, UNLESS OTHERWISE NOTED.
E002 REMOVE ALL SECURITY RELATED DEVICES AND PREP DOOR FOR NEW SECURITY DEVICES. SEE NEW WORK PLAN FOR MORE INFO.



PROJECT
TEAM
ARCHITECTURE + INTERIORS
BCDM ARCHITECTS
1015 North 98th Street, Suite 300
Omaha, NE 68114
CIVIL ENGINEER
LAMP RYNARSON
14710 West Dodge Road, Suite 100
Omaha, NE 68154
STRUCTURAL ENGINEER
KLARE STRUCTURAL ENGINEERING
302 South 51st Avenue
Omaha, NE 68132
ELECTRICAL ENGINEER
MORRISSEY ENGINEERING
4940 N 118th St.
Omaha, NE 68164

REVISION SCHEDULE		
#	Description	Date

**TITAN HILL
EXTERIOR
ENVELOPE**

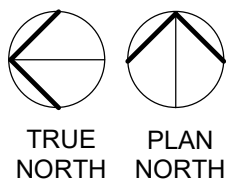
4125 HARRY LANGDON
BLVD, COUNCIL
BLUFFS, IA 51503

**LEWIS CENTRAL
COMMUNITY
SCHOOL DISTRICT**

**FIRST FLOOR -
ELECTRICAL DEMO**

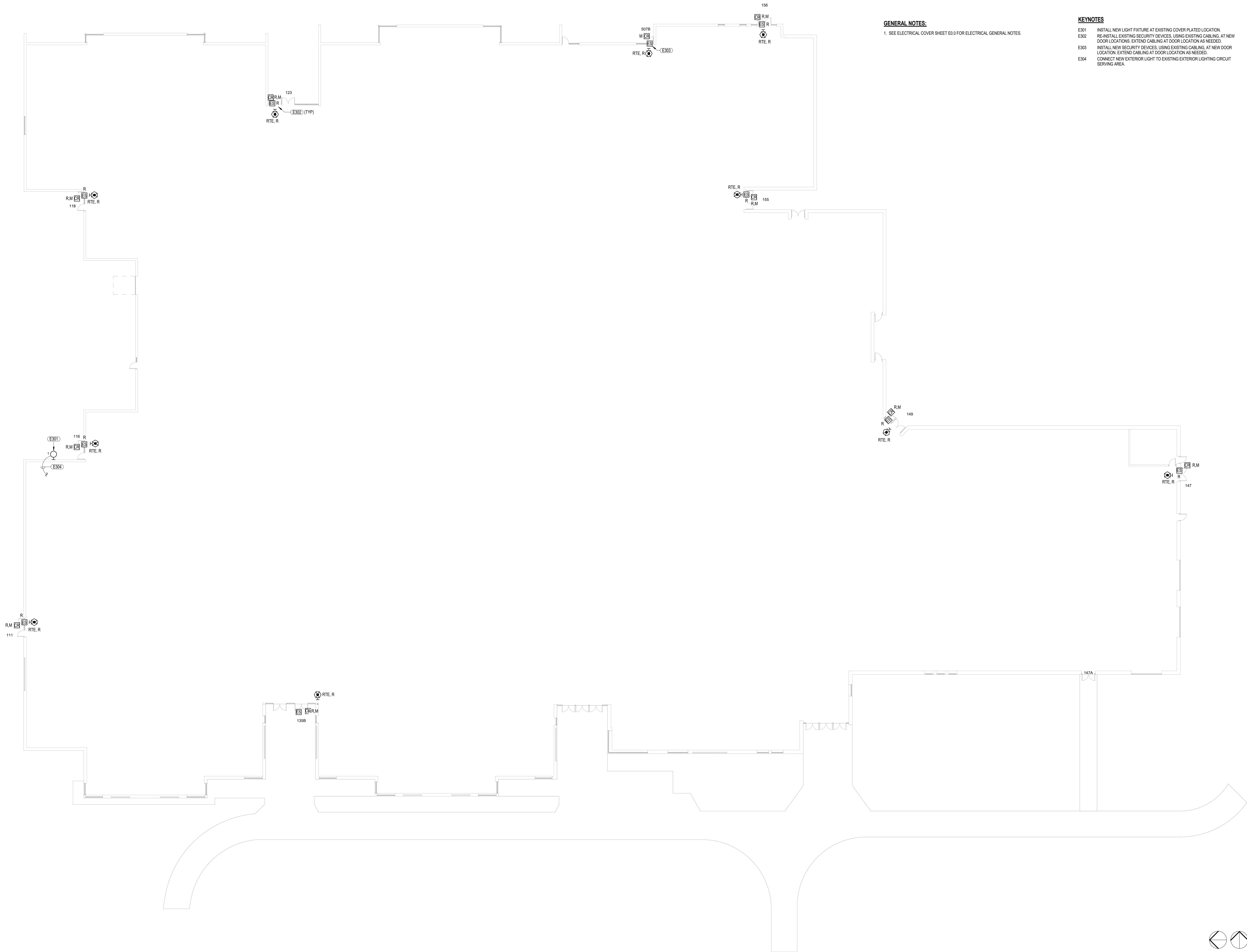
ED1-0

CONSTRUCTION DOCUMENTS
BCDM 5551-03
07 NOVEMBER 2025



LEFT BINDING EDGE

1/7/2025 8:23:53 AM



GENERAL NOTES:
1. SEE ELECTRICAL COVER SHEET E0.0 FOR ELECTRICAL GENERAL NOTES.

KEYNOTES
E301 INSTALL NEW LIGHT FIXTURE AT EXISTING COVER PLATED LOCATION.
E302 RE-INSTALL EXISTING SECURITY DEVICES USING EXISTING CABLING, AT NEW DOOR LOCATIONS. EXTEND CABLING AT DOOR LOCATION AS NEEDED.
E303 INSTALL NEW SECURITY DEVICES USING EXISTING CABLING AT NEW DOOR LOCATION. EXTEND CABLING AT DOOR LOCATION AS NEEDED.
E304 CONNECT NEW EXTERIOR LIGHT TO EXISTING EXTERIOR LIGHTING CIRCUIT SERVING AREA.

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TITAN HILL EXTERIOR ENVELOPE

4125 HARRY LANGDON
BLVD, COUNCIL
BLUFFS, IA 51503

LEWIS CENTRAL
COMMUNITY
SCHOOL DISTRICT

FIRST FLOOR -
ELECTRICAL

E1-0

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1 FIRST FLOOR - POWER & SPECIAL SYSTEMS
E1-0 1/16" = 1'-0" 0' 16' 32'

