

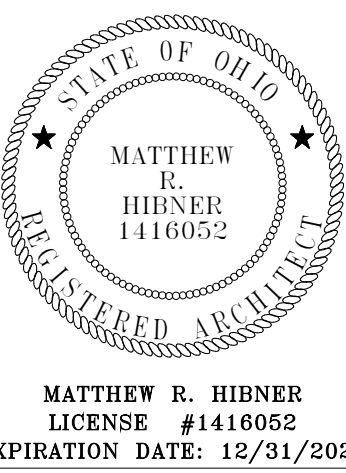
FT LORAMIE ELEMENTARY SCHOOL RENOVATION

600 EAST PARK STREET, FOR LORAMIE, OHIO 45845

CONSTRUCTION DOCUMENTS

12/11/2025

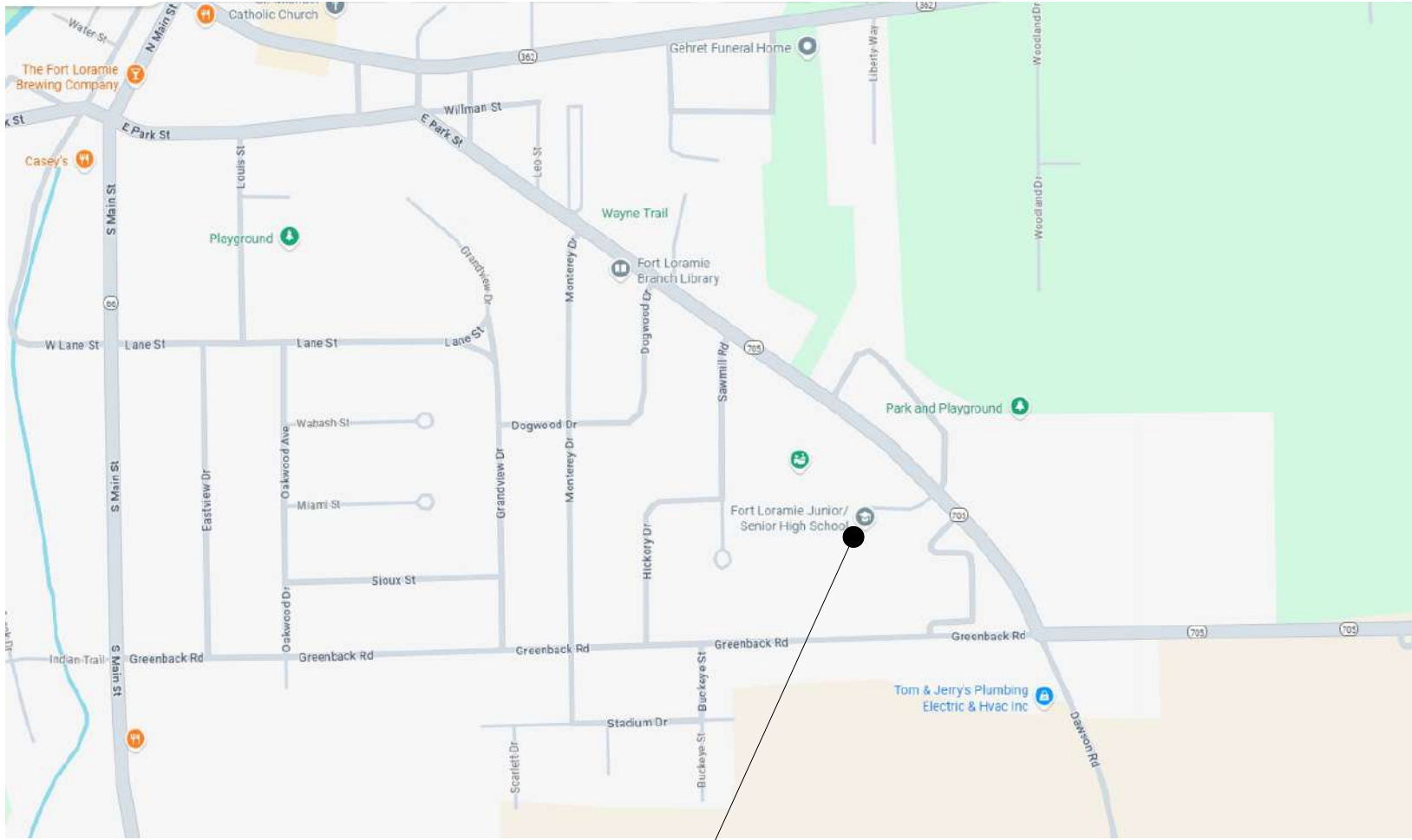
SHEET INDEX	
GENERAL / CIVIL / LANDSCAPE / ARCHITECTURAL	
SHEET NUMBER	SHEET NAME
G0.1	COVER SHEET
G1.0	CODE PLANS
SS1.1	SITE SURVEY
LD.1	SITE LOGISTICS PLAN
LD1.1	SITE DEMOLITION PLAN
CO.1	GENERAL NOTES
C1.1	GRADING PLAN
C1.2	PAVEMENT ELEVATIONS PLAN
LI.1	SITE LAYOUT AND MATERIALS PLAN
AD1.1	FIRST FLOOR PLAN / ROOF PLAN DEMO
A1.1	FIRST FLOOR PLAN
A2.1	EXTERIOR ELEVATIONS
A8.1	FIRST FLOOR EQUIPMENT PLAN
A9.1	FIRST FLOOR FINISHES PLAN
S0.1	GENERAL STRUCTURAL INFORMATION
S1.1	STRUCTURAL PLANS
S2.1	STRUCTURAL DETAILS
S2.2	STRUCTURAL DETAILS
E1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS AND SHEET INDEX
ED1.1	ELECTRICAL DEMOLITION PLAN
E1.2	ELECTRICAL DETAILS AND LUMINAIRE SCHEDULE
E2.1	SITE ELECTRICAL PLAN
E3.1	ELECTRICAL PLAN - UNIT A
T1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS, DIAGRAMS AND SHEET INDEX
T1.2	TECHNOLOGY DETAILS
TC1.1	TECHNOLOGY CABLING PLAN
TE1.1	TECHNOLOGY EQUIPMENT PLAN



ADDITION FOR

FT LORAMIE ELEMENTARY SCHOOL
RENOVATION

600 EAST PARK STREET, FOR LORAMIE, OHIO 45845



600 EAST PARK STREET, FORT LORAMIE, OHIO 45845

CIVIL ENGINEER:

CHOICE ONE ENGINEERING

440 EAST HOEWISHER ROAD
SIDNEY, OH 45365
PH: (937) 497-0200



STRUCTURAL ENGINEER:

JEZERINAC GEERS & ASSOCIATES, INC.

5640 FRANTZ ROAD
DUBLIN, OH 43017
PH: (614) 766-0066



BOARD OF EDUCATION

BOARD PRESIDENT.....MIKE SIEGEL
BOARD VICE PRESIDENT.....LISA RUHENKAMP
BOARD MEMBER.....VERN SIEGEL
BOARD MEMBER.....LYNN DELOYE
BOARD MEMBER.....BRAD RETHMAN

ADMINISTRATION

SUPERINTENDENT.....DANIEL HOLLAND
TREASURER.....LEANN EITING
HIGH SCHOOL PRINCIPAL.....KREG HOLLENBACHER
ATHLETIC DIRECTOR.....MITCH WESTERHEIDE

ARCHITECTS

MECHANICAL, ELECTRICAL &
PLUMBING ENGINEERS

LANDSCAPE ARCHITECTS

TECHNOLOGY DESIGNERS

INTERIOR DESIGNERS

MASTER PLANNING



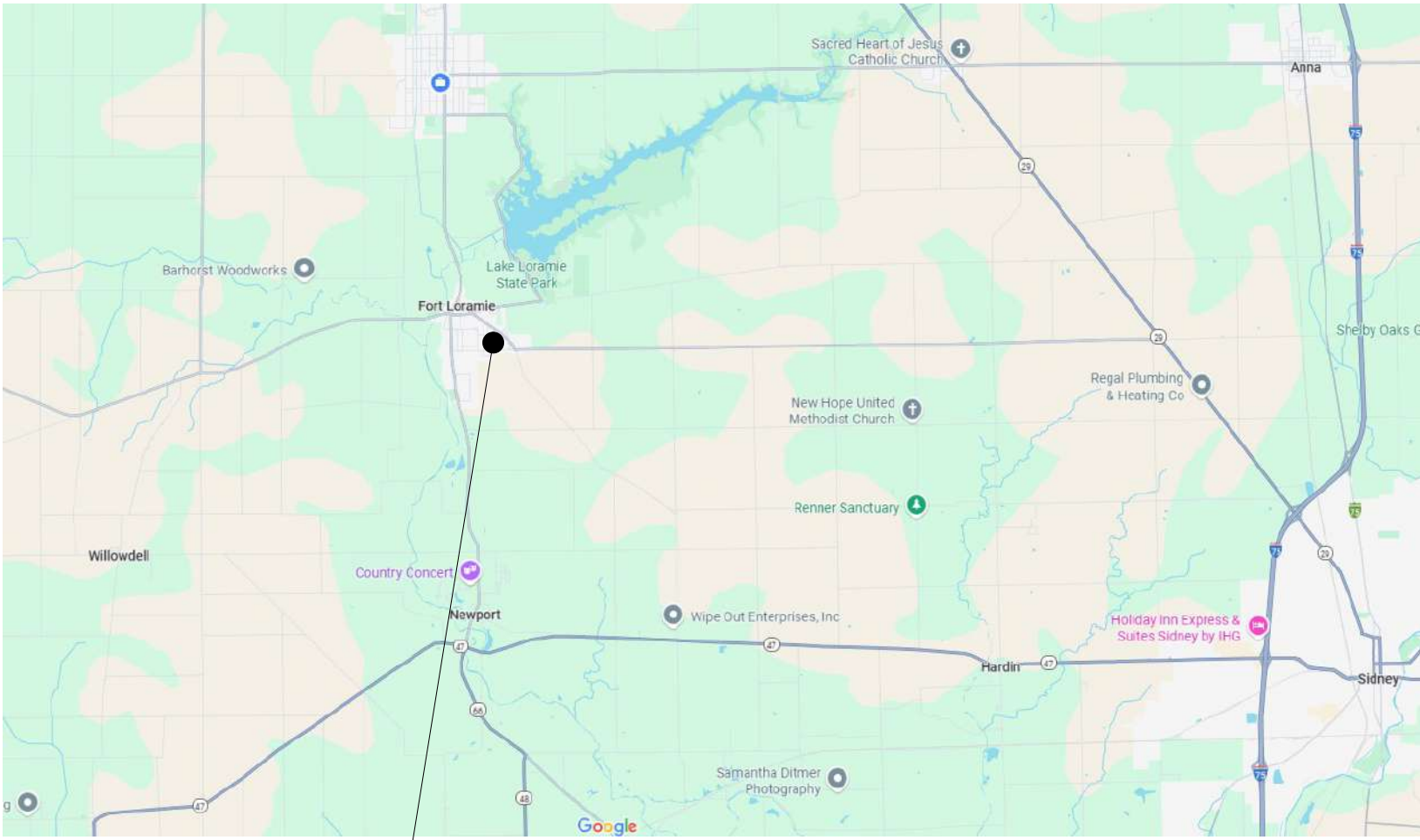
**GARMANN
MILLER**

38 SOUTH LINCOLN DRIVE
PO BOX 71
MINSTER, OHIO 45865
419.628.4240

1156 DUBLIN ROAD
SUITE 102
COLUMBUS, OHIO 43215
614.502.4240

275 VETERANS WAY
SUITE 200
CARMEL, INDIANA 46032
317.343.9343

1690 BROADWAY
SUITE 19-455
FORT WAYNE, INDIANA
260.299.4240



600 EAST PARK STREET, FORT LORAMIE, OHIO 45845

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	12/11/2025
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PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25041.00	Author	Checker

SHEET TITLE:

COVER SHEET

SHEET NUMBER:

G0.1

CODE INFORMATION		
BUILDING DESCRIPTION: ADDITION TO ELEMENTARY SCHOOL GYMNASIUM AND RELOCATION OF EXISTING BLEACHERS.		
APPLICABLE CODE: 2024 OHIO BUILDING CODE		
STUDENT / STAFF DESIGN (ACTUAL OCCUPANTS)		
STUDENTS:	660 OCCUPANTS	
STAFF:	70 OCCUPANTS	
TOTAL:	730 OCCUPANTS	
ASSEMBLY DESIGN - BASED ON NON-SIMULTANEOUS USE		
GYMNASIUM:	760 OCCUPANTS	
CAFETERIA:	429 OCCUPANTS	
NUMBER OF EXITS		
EXTERIOR EXITS ARE ALL EXISTING TO REMAIN. NO ALTERATIONS ARE TO BE MADE TO ANY EXITS.		
DESIGN UNIFORM LOAD: SEE STRUCTURAL SHEETS		

BUILDING AREA 1		
OCCUPANCY / USE GROUP: E/A-4		
CONSTRUCTION TYPE: TYPE IIB		
MIXED-USE, NON-SEPARATED MOST RESTRICTIVE A-4		
ALLOWABLE AREA SINGLE-STORY, SPRINKLERED PER (TABLE 506.2): 38,000 SF		
ACTUAL BUILDING AREA: EXISTING = 32,593 SF ADDITION = 1,515 SF TOTAL = 34,108 SF		
BUILDING IS EQUIPPED WITH AN AUTOMATIC FIRE SUPPRESSION SYSTEM		

BUILDING AREA 2 (EXISTING - NO CHANGE TO AREA OR OCCUPANCY)		
OCCUPANCY / USE GROUP: E		
CONSTRUCTION TYPE: TYPE IIB		
ACTUAL BUILDING AREA: 37,364 SF		
BUILDING IS EQUIPPED WITH AN AUTOMATIC FIRE SUPPRESSION SYSTEM		

OCCUPANCY TABULATION PER 2024 OBC TABLE 1004.5 - L1									
ROOM NUMBER	NAME	ID	USE GROUP	AREA (GROSS)	AREA (NET)	OCCUPANT LOAD FACTOR	OCCUPANTS	NUMBER OF EXITS	
142A	HALL			97 SF	97 SF	0	0		
142B	HALL			136 SF	136 SF	0	0		
143	STOR			217 SF	217 SF	300	1		
144	TLT			43 SF	43 SF	0	0		
145	TLT			74 SF	74 SF	0	0		
146	RECEPT			106 SF	106 SF	150	1		
147	CLINIC			179 SF	179 SF	150	2		
148	SEC.			341 SF	341 SF	150	3		
149	WORK ROOM			234 SF	234 SF	150	2		
150	IP			130 SF	130 SF	150	1		
151	VAULT			66 SF	66 SF	150	1		
152	PRINC			156 SF	156 SF	150	2		
153	CONFERENCE			238 SF	238 SF	150	2		
154	CORRIDOR			210 SF	210 SF	0	0		
155	VEST			174 SF	174 SF	0	0		

OCCUPANCY TABULATION PER 2024 OBC TABLE 1004.5 - L1									
ROOM NUMBER	NAME	ID	USE GROUP	AREA (GROSS)	AREA (NET)	OCCUPANT LOAD FACTOR	OCCUPANTS	NUMBER OF EXITS	
156	CONF			173 SF	173 SF	150	2		
157	WCRM			238 SF	238 SF	150	2		
158	READ/CIRC.			1,650 SF	1650 SF	20	83		
159	COMPUTER LAB			1,024 SF	1024 SF	20	52		
160	CORRIDOR			1,546 SF	1546 SF	0	0		
161	VEST.			121 SF	121 SF	0	0		
162	WOMEN			311 SF	311 SF	0	0		
163	CENTRAL STORAGE			250 SF	250 SF	300	1		
164	MEN			315 SF	315 SF	0	0		
165	STAIR			77 SF	77 SF	0	0		
169	TLT			40 SF	40 SF	0	0		
170	LOCKER			67 SF	67 SF	50	2		
171	DRY FOOD STOR.			189 SF	189 SF	300	1		
173	SERVE			414 SF	414 SF	200	3		
174	PREP			960 SF	960 SF	200	5		
177	WARE WASHING			218 SF	218 SF	200	2		
178	DIET. OFF			69 SF	69 SF	150	1		
179	L/R			102 SF	102 SF	0	0		
180	ART STOR.			119 SF	119 SF	300	1		
181	TABLE STORAGE			282 SF	282 SF	300	1		
182	ART			1,106 SF	1106 SF	20	56		
183	KILN			100 SF	100 SF	300	1		
184	MUSIC LIBRARY			198 SF	198 SF	300	1		
185	MUSIC			1,297 SF	1297 SF	20	65		
186	CORRIDOR			525 SF	525 SF	0	0		
187	CORRIDOR			205 SF	205 SF	0	0		
188	STAGE			2,052 SF	2052 SF	5	411		
190	PE STORAGE			86 SF	86 SF	300	1		
191	PE OFFICE			86 SF	86 SF	150	1		
192	PE STORAGE			182 SF	182 SF	300	1		
193	BOYS LOCKER			261 SF	261 SF	50	6		
194	BOYS TLT			182 SF	182 SF	0	0		
195	GIRLS TLT			181 SF	181 SF	0	0		
196	GIRLS LOCKER			263 SF	263 SF	50	6		
197	ELECTRICAL			180 SF	180 SF	300	1		
198	BOILER			356 SF	356 SF	300	2		
199	MECHANICAL			462 SF	462 SF	300	2		
A100	GYMNASIUM			6,691 SF	6691 SF	0	700		
A101	GYMNASIUM ADDITION			1,336 SF	1336 SF	0	60		
A130	DINING			4,995 SF	4995 SF	15	334		

BUILDING AREA SCHEDULE - OFCC			
AREA NUMBER	LEVEL	AREA	NOTES
AREA 1	FIRST FLOOR	34108 SF	EXISTING + NEW ADDITION
AREA 2	FIRST FLOOR	19898 SF	EXISTING TO REMAIN
AREA 2	SECOND FLOOR	19315 SF	EXISTING TO REMAIN
Grand total		73320 SF	

PLUMBING FIXTURE COUNT

(BASED ON NON-SIMULTANEOUS USE)

STUDENT / STAFF DESIGN
730 OCCUPANTS

FIXTURES REQUIRED
365 / 50 = 8 WATER CLOSET(S) - MALE
365 / 50 = 8 LAVATORY(IES) - FEMALE
365 / 50 = 8 LAVATORY(IES) - MALE
365 / 50 = 8 LAVATORY(IES) - FEMALE
730 / 100 = 8 DRINKING FOUNTAIN(S)
1 SERVICE SINK(S)

ACTUAL PROVIDED
10 WATER CLOSET(S) - MALE
8 URINAL(S) - MALE
12 LAVATORY(IES) - MALE
18 WATER CLOSET(S) - FEMALE
12 LAVATORY(IES) - FEMALE
9 DRINKING FOUNTAIN(S)
4 SERVICE SINK(S)
10 UNISEX TOILET ROOMS (WC AND LAVATORY)

(BASED ON NON-SIMULTANEOUS USE)

ASSEMBLY DESIGN
760 OCCUPANTS

FIXTURES REQUIRED
380 / 75 = 6 WATER CLOSET(S) - MALE
380 / 40 = 10 WATER CLOSET(S) - FEMALE
380 / 200 = 2 LAVATORY(IES) - MALE
380 / 50 = 8 LAVATORY(IES) - FEMALE
380 / 1000 = 1 DRINKING FOUNTAIN(S)
1 SERVICE SINK(S)

ACTUAL PROVIDED
10 WATER CLOSET(S) - MALE
8 URINAL(S) - MALE
12 LAVATORY(IES) - MALE
18 WATER CLOSET(S) - FEMALE
12 LAVATORY(IES) - FEMALE
9 DRINKING FOUNTAIN(S)
4 SERVICE SINK(S)
10 UNISEX TOILET ROOMS (WC AND LAVATORY)

CODE PLAN LEGEND

- ⑧ OCCUPANT LOAD THROUGH EXIT
EXIT CLEAR EXIT WIDTH
XXX ALLOWABLE NUMBER OF OCCUPANTS THROUGH EXIT

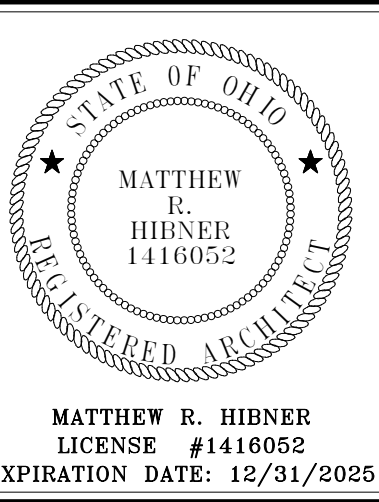
OCCUPANCY GROUPS USED

- A ASSEMBLY
B BUSINESS
E EDUCATIONAL

2 HOUR FIRE WALL (2FW)

1 FIRST FLOOR CODE PLAN
1" = 20'-0"

2 SECOND FLOOR CODE PLAN
1" = 20'-0"



FT LORAMIE ELEMENTARY SCHOOL
RENOVATION

BUILDING ADDITION

600 EAST PARK STREET, FORT LORAMIE, OHIO 43068

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	12/11/2025
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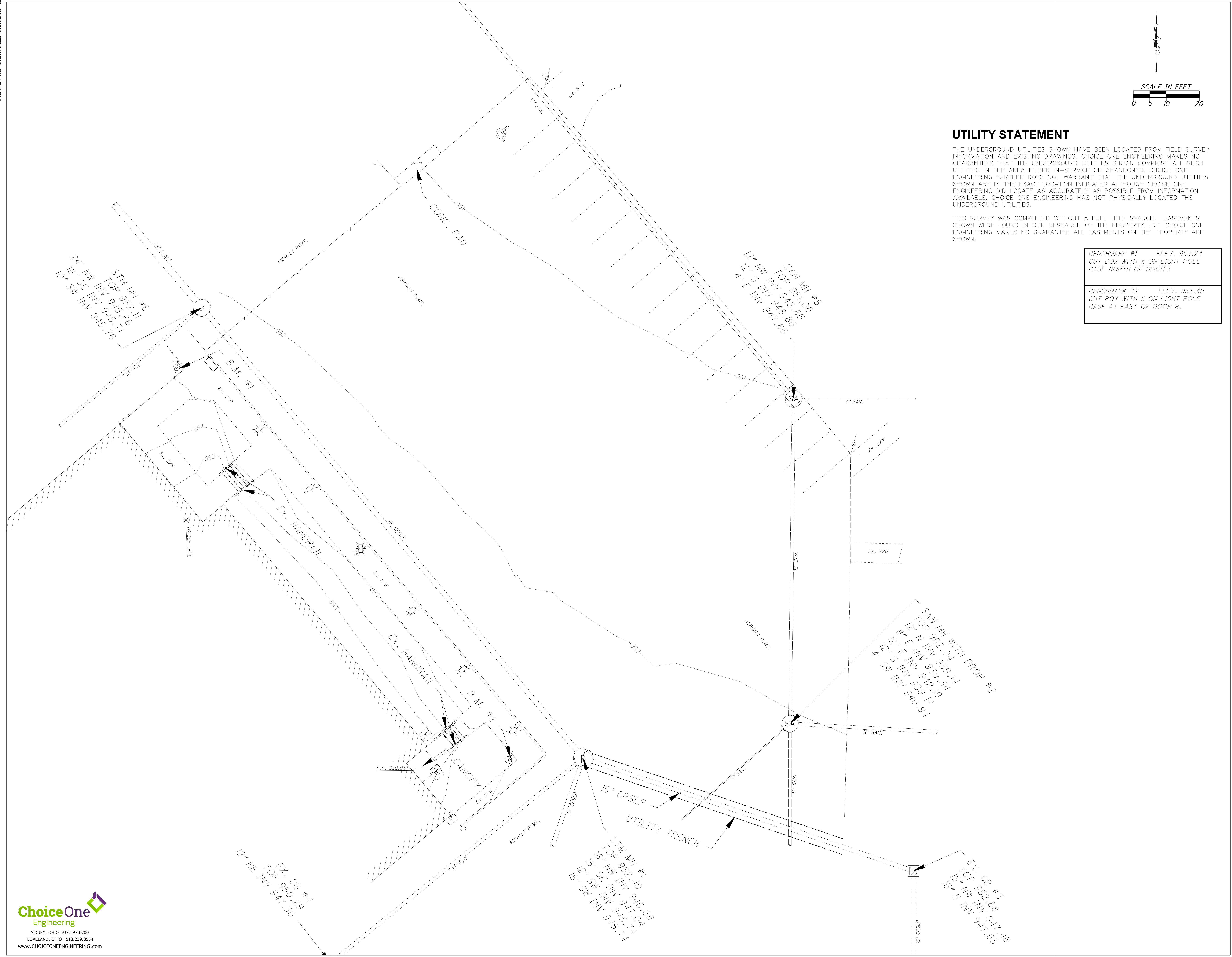
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25041.00	JCR	Checker

SHEET TITLE:

CODE PLANS

SHEET NUMBER:

G1.0



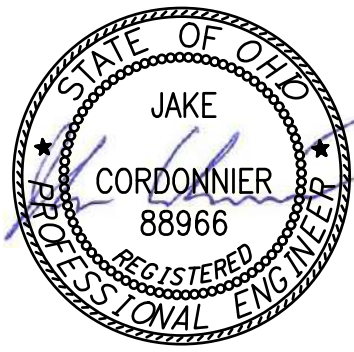
UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. CHOICE ONE ENGINEERING MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN-SERVICE OR ABANDONED. CHOICE ONE ENGINEERING FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH CHOICE ONE ENGINEERING DID LOCATE AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. CHOICE ONE ENGINEERING HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

THIS SURVEY WAS COMPLETED WITHOUT A FULL TITLE SEARCH. EASEMENTS SHOWN WERE FOUND IN OUR RESEARCH OF THE PROPERTY, BUT CHOICE ONE ENGINEERING MAKES NO GUARANTEE ALL EASEMENTS ON THE PROPERTY ARE SHOWN.

BENCHMARK #1 ELEV. 953.24
CUT BOX WITH X ON LIGHT POLE
BASE NORTH OF DOOR I

BENCHMARK #2 ELEV. 953.49
CUT BOX WITH X ON LIGHT POLE
BASE AT EAST OF DOOR H.



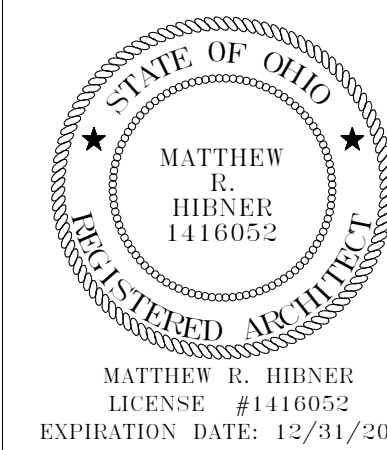
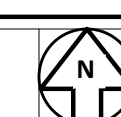
BUILDING ADDITION
**FT LORAMIE ELEMENTARY SCHOOL
RENOVATION**
575 GREENBACK ROAD, FORT LORAMIE, OH 43045

ISSUANCES/REVISIONS		
CONSTRUCTION DOCUMENTS	12/11/2025	

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25041.00	JAC	NIS

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
SS1.1



FT LORAMIE ELEMENTARY SCHOOL RENOVATION

1000000

ESTS GREENBACK ROAD EORTIORAMIE OH45845

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	12/11/2025

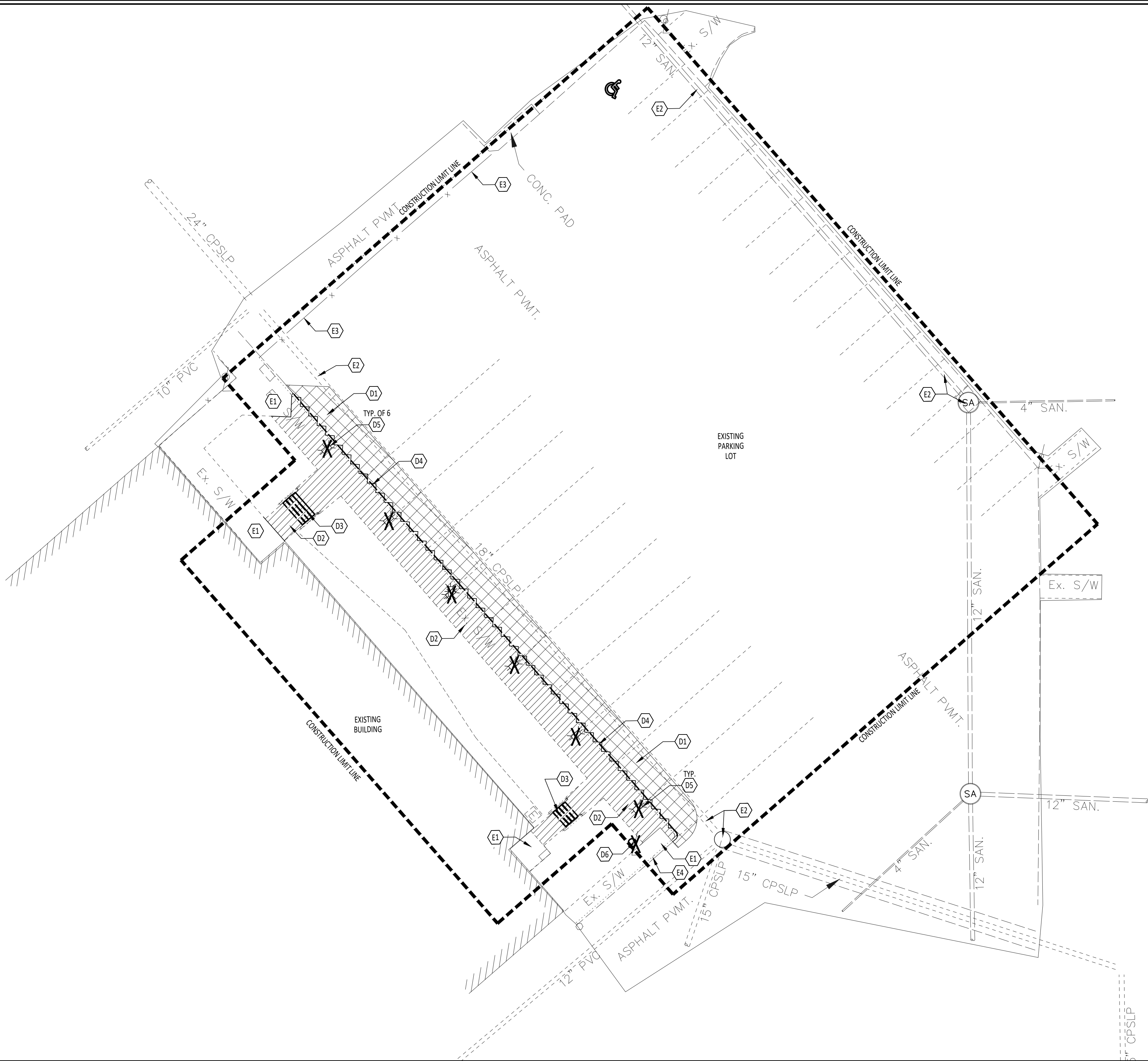
PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25041.00	MAD	SKE

SHEET TITLE:

SITE LOGISTICS PLAN - ELEMENTARY SCHOOL

SHEET NUMBER

LO.1

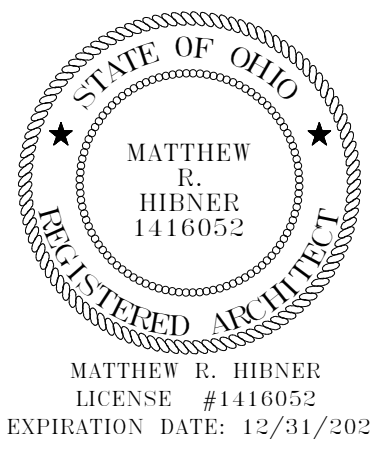


1 SITE DEMOLITION PLAN - ELEMENTARY SCHOOL
1/16" = 1'-0"



KEYNOTE SCHEDULE	
#	KEYNOTE DESCRIPTION
EXISTING TO REMAIN	
E1	EXISTING CONCRETE TO REMAIN
E2	EXISTING UNDERGROUND UTILITY AND MANHOLE/CATCH BASINS
E3	EXISTING FENCE TO REMAIN
E4	EXISTING CURB TO REMAIN
DEMOLITION	
D1	REMOVE ASPHALT
D2	REMOVE CONCRETE
D3	REMOVE CONCRETE STAIRS AND ASSOCIATED HANDRAILS
D4	REMOVE CONCRETE CURB
D5	REMOVE LIGHT BOLLARD, SEE ELECTRICAL DRAWINGS
D6	REMOVE LIGHT POLE, SALVAGE POLE FOR RELOCATION, CONCRETE BASE TO BE REMOVED IN ITS ENTIRETY, SEE ELECTRICAL DRAWINGS
LEGEND	
①	KEY NOTE DESIGNATION-REFER TO NOTES THIS SHEET
	SAWCUT AND REMOVE ASPHALT
	REMOVE
	SAWCUT AND REMOVE CONCRETE CURB
	SAWCUT AND REMOVE CONCRETE
	REMOVE UTILITY

GENERAL NOTES	
A.	CALL O.U.P.S. AT 1-800-362-2764 FOR UNDERGROUND UTILITY INFORMATION
B.	CALL 1-800-925-0988 FOR OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE
C.	SEE "KNOW WHAT'S BELOW" AT www.call811.com OR CALL 811
D.	FIELD VERIFY DIMENSIONS AND CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY DISCREPANCY OR SITUATION DISCOVERED THAT DOES NOT CONFORM TO CONSTRUCTION DOCUMENTS.
E.	WORK PERFORMED IS SUBJECT TO APPROVAL BY THE OWNER'S REPRESENTATIVE AND OWNER. WORK FOUND TO BE UNSATISFACTORY SHALL BE REMOVED AND PROPERLY REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
F.	PAVING, FOOTINGS AND OTHER SITE IMPROVEMENTS ARE TO BE REMOVED IN THEIR ENTIRETY UNLESS OTHERWISE NOTED. THIS INCLUDES ALL BASE MATERIAL.
G.	ITEMS AND MATERIAL NOTED AS 'REMOVE' SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR OFF-SITE. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER.
H.	TEMPORARILY SUPPORT WALLS, HEADERS, STRUCTURES, PIPING, DUCTWORK, CONDUIT, ETC., AS REQUIRED UNTIL FINAL SUPPORTS ARE IN PLACE.
I.	PATCH & REPAIR ALL AREAS, SURFACES & MATERIALS TO CONDITION OF SURROUNDING AREA WHERE LEFT EXPOSED TO VIEW.
J.	CLOSELY COORDINATE WORK WITH THE OWNER AND WITH OTHER CONTRACTORS HIRED BY THE OWNER. CLARIFY IN ADVANCE ANY QUESTIONS AS TO SCOPE OF WORK AND AREAS OF RESPONSIBILITY.
K.	PATCH AND REPAIR DISTURBED LAWN AREAS.



BUILDING ADDITION

FT LORAMIE ELEMENTARY SCHOOL RENOVATION

575 GREENBACE ROAD / FORT LORAMIE, OH 43045

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	12/11/2025

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25041.00	CPD	MAO

SHEET TITLE:

SITE DEMOLITION
PLAN - ELEMENTARY
SCHOOL

SHEET NUMBER:

LD1.1

ELEVATION DATUM

ALL ELEVATIONS ARE BASED ON NAVD 88 (ODOT VRS GEOID 18).

GENERAL NOTES AND DETAILS

ALL CONSTRUCTION METHODS, MATERIALS, AND SPECIFICATIONS SHALL COMPLY WITH THE LATEST VERSION OF THE VILLAGE OF FORT LORAMIE STANDARDS AND SPECIFICATIONS AND/OR THE LATEST VERSION OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARDS AND SPECIFICATIONS (INCLUDING CURRENT SUPPLEMENTAL SPECIFICATIONS 800 AND 832), WHICHEVER IS MORE RESTRICTIVE AS DETERMINED BY THE VILLAGE OF FORT LORAMIE.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC. EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION ACCORDING TO THE BEST AVAILABLE DATA. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING THEM IN THE FIELD PRIOR TO CONSTRUCTION AND WILL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THEM. CONTRACTOR TO CONTACT OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 48 HOURS PRIOR TO CONSTRUCTION.

NON-MEMBERS MUST BE CALLED DIRECTLY.

UTILITY OWNERSHIP

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

<u>STREETS, STORM SEWER WATER, AND SANITARY</u> VILLAGE OF FORT LORAMIE 14 ELM STREET FORT LORAMIE, OH 45845 (937) 295-3088 ATTN: JENNY FRILLING	<u>TELEPHONE</u> NKTELCO 301 W SOUTH STREET NEW KNOXVILLE, OH 45871 (419) 753-2457 ATTN: DAVID MEYER
<u>ELECTRIC</u> AES OHIO 1900 DRYDEN ROAD DAYTON, OH 45439 (937) 331-4025 ATTN: BHAVYA KATTA	<u>CABLE</u> BRIGHTSPEED 125 N MAIN STREET SIDNEY, OH 45365 (937) 498-5105 ATTN: GAGE RYAN
<u>ELECTRIC</u> PIONEER ELECTRIC 344 W US RT 36 PIQUA, OH 45356 (937) 381-0645 ATTN: TODD GARRETT	<u>GAS</u> CENTERPOINT ENERGY 6500 CLYO ROAD CENTERVILLE, OH 45459 (937) 312-2521 ATTN: GREGORY FISHMAN
<u>CABLE</u> CHARTER COMMUNICATIONS 3691 TURNER ROAD DAYTON, OH 45415 (937) 396-8611 ATTN: MARY EVANS	<u>OHIO UTILITIES PROTECTION</u> SERVICE 2 WORKING DAYS BEFORE YOU DIG CALL TOLL FREE 800-362-2764

UTILITY INTERFERENCE

IF, DURING THE CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY AND COORDINATE AS NEEDED WITH THE UTILITY COMPANY INVOLVED. ANY AND ALL WORK REQUIRED FOR PRIVATE UTILITIES SHALL BE COORDINATED WITH AND, IF REQUIRED, DONE BY THEIR RESPECTIVE OWNERS, UNLESS OTHERWISE NOTED ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY, AT LEAST 7 DAYS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE CORPORATIONS HAVING WIRES, POLES, PIPES, CONDUITS, MANHOLES, OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION, INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND NOT SHOWN ON THESE PLANS.

EXISTING TILE HOOKUPS

THE DRAINAGE TILE CURRENTLY CONNECTED TO THE EXISTING STORM SEWER SHALL BE CONNECTED TO THE PROPOSED STORM SEWER. ANY DRAINAGE TILE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL CONDITION. ALL TILE REMOVED, REPLACED AND/OR CONNECTED TO THE STORM SEWER SHALL BE NOTED ON THE RECORD DRAWINGS AND SHALL BE INSPECTED BY THE VILLAGE OF FORT LORAMIE BEFORE THEY ARE COVERED.

ALL FIELD OR STORM DRAINS WHICH ARE ENCOUNTERED DURING CONSTRUCTION SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS OR PLUGGED AS APPROVED AND DIRECTED BY THE VILLAGE OF FORT LORAMIE. CONNECTION OF INTERSECTING DRAIN TILES AND THE PROPOSED STORM SEWER SHALL BE THROUGH MANUFACTURED TEES, UNLESS OTHERWISE APPROVED BY THE VILLAGE OF FORT LORAMIE. COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF THE CONTRACTORS OVERALL LUMP SUM BID FOR THE PROJECT.

GEOTECHNICAL ENGINEERING REPORT

CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT FOR THE PROPOSED PROJECT AND PERFORM ALL GEOTECHNICAL WORK IN ACCORDANCE WITH THIS REPORT.

MUD

THE TRACKING OR SPILLAGE OF MUD, DIRT, OR DEBRIS UPON PUBLIC STREETS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR.

EXISTING UTILITY CONFLICT NOTE

IF A CONFLICT ARISES WITH EXISTING UTILITIES, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND APPROPRIATE UTILITY COMPANY TO GET THE CONFLICT RESOLVED.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, VILLAGE OF FORT LORAMIE SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT THE EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, VILLAGE OF FORT LORAMIE SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY. COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF THE CONTRACTORS OVERALL LUMP SUM BID FOR THE PROJECT.

UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. CHOICE ONE ENGINEERING CORPORATION MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN-SERVICE OR ABANDONED. CHOICE ONE ENGINEERING CORPORATION FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. CHOICE ONE ENGINEERING CORPORATION HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

CAD FILE DISCLAIMER

THE CAD FILE ASSOCIATED WITH THESE CONSTRUCTION PLANS IS A NON-CERTIFIED DOCUMENT. ANY USE OF THE INFORMATION OBTAINED OR DERIVED FROM THE ASSOCIATED CAD FILE WILL BE AT THE RECEIVING PARTY/USER'S RISK. CHOICE ONE ENGINEERING CORP. OFFERS NO WARRANTY AS TO THE ACCURACY OF THE INFORMATION IN THE CAD FILE OR THAT REVISIONS HAVE BEEN ISSUED AFTER THE CAD DRAWING WAS RELEASED. RECEIVING PARTIES/USERS SHALL HOLD HARMLESS TO THE MAXIMUM EXTENT ALLOWED BY LAW CHOICE ONE ENGINEERING CORP. FROM ANY USE OF THE CAD FILE BY THE RECEIVING PARTY/USER. IN ALL CIRCUMSTANCES, AND AT ALL TIMES, THE PUBLISHED PAPER AND/OR PDF DRAWINGS FOR THE PROJECT SHALL SUPERSEDE THE CAD FILES. IN THE CASE OF AN INCONSISTENCY BETWEEN THE PUBLISHED PAPER/PDF DRAWINGS AND THE ASSOCIATED CAD FILE, THE PUBLISHED PAPER/PDF DRAWINGS SHALL GOVERN THE PROJECT AND ALL WORK.

SAFETY

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

MASONRY COLLAR

A CONCRETE COLLAR SHALL BE PROVIDED WHERE PROPOSED STORM SEWER PIPE IS CONNECTED TO AN EXISTING PIPE. COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF THE CONTRACTOR'S OVERALL LUMP SUM BID FOR THE PROJECT.

DEWATERING AND BY-PASS PUMPING

ANY DEWATERING, COFFERDAMS, OR PUMPING NECESSARY FOR THE CONSTRUCTION OF ANY ITEMS SHALL BE INCIDENTAL TO THOSE PARTICULAR CONSTRUCTION ITEMS AND SHALL BE INCLUDED IN THE CONTRACTOR'S OVERALL LUMP SUM BID FOR THE PROJECT.

CLEAN WATER NOTE

ROOF DRAINS, FOUNDATION DRAINS, AND ALL OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SYSTEM ARE PROHIBITED.

GENERAL NOTES

1. INSTALL AND TEST ALL UTILITIES PER THE LATEST VERSION OF THE VILLAGE OF FORT LORAMIE STANDARDS.
2. ALL DISTURBED AREAS AND ALL NON-PAVEMENT AREAS SHALL HAVE A MINIMUM OF 6" OF TOP SOIL PLACED AND ARE TO BE SEEDED AND MULCHED PER ODOT ITEM 659.
3. CONTRACTOR TO BE RESPONSIBLE FOR ANY PERMITS OR FEES THAT MAY BE NECESSARY FOR THE COMPLETION OF THE SITE WORK.
4. ALL WORK SHALL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL ADA REGULATIONS AND STANDARDS.
5. ALL ITEMS ON SITE PLAN SHALL BE CONSTRUCTED PER THE LATEST VERSION OF THE VILLAGE OF FORT LORAMIE STANDARDS.

MAINTAINING TRAFFIC

MAINTAIN TRAFFIC AS INDICATED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", ALSO THE FOLLOWING REQUIREMENTS SHALL APPLY.

EXCAVATIONS WITHIN PUBLIC RIGHT-OF-WAY LIMITS SHALL BE CLOSED AT TIMES WHEN WORK IS NOT BEING PERFORMED.

LOCAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT DURING THE TIME THAT AN APPROVED CLOSURE AND DETOUR IS ALLOWED BY THE GOVERNING AUTHORITY.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING NECESSARY TRAFFIC CONTROL DEVICES AND PAVEMENT REPAIR MATERIALS TO MAINTAIN THE TRAVELED PAVEMENT SAFELY.

NO SHUT DOWN OF ANY OWNER FACILITY DRIVE, ROADWAY OR PARKING LOT WILL BE ALLOWED WITHOUT WRITTEN CONSENT FROM THE OWNER. ALL OWNER ROADWAYS MUST HAVE AT LEAST ONE LANE OPEN AT ALL TIMES. NO STAGING OF TRUCKS OUTSIDE OF CONSTRUCTION LIMITS WILL BE PERMITTED WITHOUT CONSENT FROM THE OWNER.

SUBCONTRACTOR SUPERVISION

THE CONTRACTOR IS REQUIRED TO HAVE SOMEONE ON-SITE TO SUPERVISE THE SUBCONTRACTOR FOR QUALITY CONTROL PURPOSES AND TO PROVIDE ANY NECESSARY ASSISTANCE TO THE SUBCONTRACTOR TO ENSURE QUALITY WORK. COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF THE CONTRACTOR'S OVERALL LUMP SUM BID FOR THE PROJECT.

EXCAVATION AND EMBANKMENT

TOPSOIL SHALL BE REMOVED FROM ALL DISTURBED AREAS AND ALL AREAS TO BE EXCAVATED OR EMBANKED. A MINIMUM OF 6" OF TOPSOIL SHALL BE FINE GRADED ON ALL DISTURBED AREAS.

ALL EMBANKMENT SHALL BE COMPACTED TO A MINIMUM OF 100% STANDARD PROCTOR OR AS DETERMINED BY THE OWNER. TESTING MAY BE REQUIRED BY THE OWNER.

SAWCUT PAVEMENT JOINTS

MORE THAN ONE SAWCUT MAY BE NECESSARY TO ENSURE A CLEAN CUT. JUST PRIOR TO ASPHALT OR CONCRETE PLACEMENT, ASPHALT MATERIAL SHALL BE PLACED ON THE VERTICAL FACE OF SAWCUT JOINTS PRIOR TO PAVING AS PER 401.14. AFTER THE ASPHALT WORK IS COMPLETED, THE TRANSVERSE JOINTS SHALL BE SEALED WITH LIQUID ASPHALT.

DOWNSPOUTS

THE CONTRACTOR SHALL CONNECT ANY DOWNSPOUTS AS SHOWN ON THE SITE PLAN OR TO THE CLOSEST STORM PIPING OR CATCH BASINS USING CPSLP OR PVC SDR-35 SEWER OR APPROVED EQUAL.

UTILITIES

CONTRACTOR SHALL INSTALL AND/OR COORDINATE THE INSTALLATION OF GAS, ELECTRIC, TELEPHONE, CABLE TELEVISION, FIBER OPTIC, ETC.. CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES PRIOR TO INSTALLATION OF ANY FACILITIES. ALL UTILITIES SHALL BE INSTALLED PER EACH PARTICULAR UTILITY COMPANY'S STANDARDS AND PROCEDURES. CONTRACTOR TO VERIFY ACTUAL SIZES, LOCATIONS (POINTS OF ENTRY INTO THE BUILDING) AND INVERTS OF ALL UTILITIES TYING INTO THE BUILDING WITH ALL ARCHITECT PLANS (BUILDING, PLUMBING, ELECTRICAL, ETC.) BEFORE CONSTRUCTION.

REVIEW OF DRAINAGE FACILITIES

BEFORE FINAL ACCEPTANCE BY THE OWNER, REPRESENTATIVES OF THE OWNER, AND THE CONTRACTOR, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. ALL EXISTING SEWERS INSPECTED BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO PRE-EXISTING CONDITION OF THE SEWER. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE VILLAGE OF FORT LORAMIE AND/OR OWNER.

ALL NEW CONDUITS, UNDERDRAINS (INCLUDING THE STONE BACKFILL ABOVE THE UNDERDRAIN PIPING), INLETS, CATCH BASINS, MANHOLES, SWALES/DITCHES, AND DETENTION/RETENTION BASINS CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER (INCLUDING SEDIMENT) AND IN A CLEAN CONDITION AND FULLY AND PROPERLY FUNCTIONAL BEFORE THE PROJECT WILL BE ACCEPTED BY THE OWNER.

CLEARING AND GRUBBING

CONTRACTOR TO CLEAR THE AREA AS SHOWN ON THE PLANS AND/OR AS NEEDED TO WORK ON THIS PROJECT. UNLESS STATED ELSEWHERE IN THE PLANS, CLEARING AND GRUBBING IS TO BE KEPT TO A MINIMUM IN ORDER TO PRESERVE THE WOODED AREAS.

MODIFICATIONS

ANY MODIFICATIONS TO THE SPECIFICATIONS OR CHANGES TO THE WORK AS SHOWN ON THE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE OWNER.

RESTORATION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY DISTURBED AND/OR DAMAGED AREAS, INCLUDING PAVEMENT, TO CONDITIONS EQUAL TO OR BETTER THAN CONDITIONS PRIOR TO CONSTRUCTION OR TO THE SATISFACTION OF THE OWNER.

MISCELLANEOUS

THE INTENT OF THESE DRAWINGS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK BY THE CONTRACTOR. PERFORMANCE BY THE CONTRACTOR SHALL BE REQUIRED TO THE EXTENT CONSISTENT WITH THE CONTRACT DOCUMENTS AND REASONABLY INFERABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INTENDED RESULTS.

IN THE CASE OF AN INCONSISTENCY BETWEEN DRAWINGS AND SPECIFICATIONS OR WITHIN EITHER DOCUMENT, THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE OWNER'S REPRESENTATIVE'S INTERPRETATION.

CONTRACTORS SHALL VERIFY ALL GRADES, ELEVATIONS, AND EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

CONTRACTOR'S LUMP SUM BID PRICE SHALL INCLUDE ALL ITEMS AND OPERATIONS NEEDED, REQUIRED AND NECESSARY FOR THE PROPER EXECUTION OF THE PROJECT AND TO COMPLETE ALL WORK.

GRAFFITI AND VANDALISM

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF ANY CONCRETE WORK OR OTHER ITEMS UNDER THIS CONTRACT WHICH IS DEEMED UNACCEPTABLE BY THE OWNER DUE TO GRAFFITI OR VANDALISM DAMAGE.

OWNER COORDINATION NOTES

THE CONTRACTOR SHALL COORDINATE THE PROPOSED WORK WITH THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK ON SITE. IF THE CONTRACTOR IS TO ENGAGE IN ANY OPERATIONS THAT AFFECT THE EXISTING FACILITY OPERATIONS, THE CONTRACTOR SHALL COORDINATE THE SCHEDULING OF SUCH ACTIVITIES WITH THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY SUCH OPERATIONS OR ACTIVITIES.

THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORT, BRACING, AND OTHER DEVICES AS MAY BE REQUIRED OR AS DIRECTED BY OWNER'S REPRESENTATIVE OR THE ENGINEER TO PROTECT THE SAFETY OF THE PUBLIC, ADJACENT STRUCTURES, ROADWAY AND/OR UTILITIES. ALL WORK TO BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.

GENERAL NOTES FOR CIVIL WORK

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING AND IS TO INCLUDE SUCH COSTS AS A PART OF THE LUMP SUM PRICE ON THE PROJECT.
2. THE CONTRACTOR IS RESPONSIBLE TO CONTACT THE APPROPRIATE UNDERGROUND UTILITY MARKING SERVICE PRIOR TO THE START OF ANY CONSTRUCTION IN ORDER TO AVOID CONFLICTS WITH EXISTING UTILITIES. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR IS TO NOTIFY THE OWNER PRIOR TO THE START OF ANY WORK THAT WOULD BE IN CONFLICT WITH THE UTILITIES.
3. THE CONTRACTOR IS TO VISIT AND INVESTIGATE THE PROJECT SITE, PRIOR TO BIDDING, IN ORDER TO DETERMINE THE EXISTING GROUND AND SITE CONDITIONS. FOR SOIL TYPE AND GROUND WATER TABLE, THE CONTRACTOR IS ENCOURAGED TO UTILIZE ANY AVAILABLE DATA TO ESTIMATE GROUND CONDITIONS. SHOULD THE BIDDING CONTRACTOR REQUIRE ADDITIONAL TEST HOLES PRIOR TO BIDDING IN ORDER TO DETERMINE OR VALIDATE GROUND CONDITIONS, THIS CAN BE COMPLETED AT THE DISCRETION OF THE OWNER. NO TEST HOLES ARE TO BE DUG WITHOUT CONTACTING THE OWNER'S REPRESENTATIVE PRIOR TO EXCAVATION AND WITHOUT RECEIVING WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE TO DO SO.
4. THE CONTRACTOR SHALL COMPLY WITH ALL RULES AND REGULATIONS WITH REGARD TO EXCAVATION, SAFETY, QUALITY AND WORK PROGRESS. IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH THESE THROUGHOUT CONSTRUCTION OPERATIONS.
5. THE LOCATION OF MATERIALS STORED ON SITE MUST RECEIVE THE APPROVAL OF THE OWNER. IN GENERAL, MATERIALS SHOULD BE STORED SO AS TO MINIMIZE THE INCONVENIENCE TO THE OWNER.
6. IF EXCAVATED MATERIALS ARE FOUND TO BE CONTAMINATED, REMEDIATION WILL BE AT THE OWNER'S EXPENSE PRIOR TO REMOVAL FROM THE SITE OR DISPOSAL ON-SITE BY THE CONTRACTOR. THIS PROCESS WILL BE COORDINATED BETWEEN THE OWNER AND CONTRACTOR.
7. TRENCH EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH THE BID SPECIFICATIONS AND IN ACCORDANCE WITH ALL APPLICABLE OSHA RULES AND REGULATIONS. IN ADDITION, THE OWNER MAY HAVE ADDITIONAL REQUIREMENTS FOR EXCAVATION AND TRENCHING ON OWNER PROPERTY THAT MAY BE MORE STRINGENT THAN CURRENT LOCAL OR OSHA REQUIREMENTS. IN THIS CASE, THE OWNER'S REQUIREMENTS ARE TO BE FOLLOWED UNLESS THIS ACTION WOULD BE CONSIDERED NON-COMPLIANT WITH CURRENT GOVERNING CODES OR REGULATIONS AS DEFINED BY LOCAL OR GOVERNING AUTHORITIES. WHERE A NON-COMPLIANCE ISSUE IS NOTED, THE CONTRACTOR IS TO MAKE THE OWNER AND ENGINEER AWARE OF THE GOVERNING CODE.

8. THE CONTRACTOR WILL BE RESPONSIBLE TO REPAIR, REPLACE, AND/OR RECONNECT ANY EXISTING DRAINAGE TILES, NOT SHOWN ON THE PLANS, WHICH CROSS THROUGH THE EXCAVATED TRENCH. ANY DRAINAGE TILES ENCOUNTERED ARE TO BE BROUGHT TO THE ATTENTION OF THE OWNER AND A MEASUREMENT TAKEN FROM THE NEAREST MANHOLE OR INLET STRUCTURE TO THE CENTERLINE OF THE TILE. THIS INFORMATION SHALL BE PROVIDED TO THE OWNER AS PART OF THE RECORD DRAWINGS.

9. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPAIRS TO ANY UTILITY LINE(S) THAT THE CONTRACTOR DAMAGES UNLESS OTHERWISE CLEARLY THE RESPONSIBILITY OF THE UTILITY COMPANY.

10. THE CONTRACTOR WILL REPLACE ALL DAMAGED OR REMOVED DRIVES AND PAVEMENT WITH THE REQUIRED THICKNESS SHOWN ON THE PLANS OR MATCH EXISTING IF GREATER.

11. ALL DISTURBED LAWN AREAS SHALL BE GRADED TO DRAIN TO THE NEAREST INLET STRUCTURE.

12. CONTRACTOR SHALL USE PROPER EROSION CONTROL TECHNIQUES TO MAINTAIN GRADE PRIOR TO SEEDING.

13. CONTRACTOR TO REFER TO ODOT SPECIFICATION, ITEM 659 FOR SEEDING AND MULCHING UNLESS OTHERWISE SPECIFIED. CONTRACTOR WILL NOT SEED ANY AREA UNTIL OWNER HAS INSPECTED FINAL TOPSOIL GRADING.

14. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL FENCES, LAWN DECORATIONS, TREES, SHRUBS, PLANTING, VEGETATION ETC. WHICH IS DAMAGED, DISTURBED OR REMOVED DURING CONSTRUCTION.

15. DURING PAVING OPERATIONS, THE CONTRACTOR MUST SUBMIT A WRITTEN PLAN IDENTIFYING DRIVE AREAS WITHIN THE SITE THAT WILL BE SHUT DOWN FOR CONSTRUCTION OPERATIONS PRIOR TO START OF ANY WORK IN THOSE AREAS. CONTRACTOR MUST MAINTAIN A MINIMUM OF ONE LANE FOR TRAFFIC IN ANY AREAS SO DESIGNATED BY THE OWNER THROUGHOUT ALL CONSTRUCTION OPERATIONS.

ITEM 659 SEEDING AND MULCHING, CLASS 1 (LAWN MIXTURE), AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 659, SEEDING AND MULCHING, EXCEPT AS HEREIN MODIFIED.

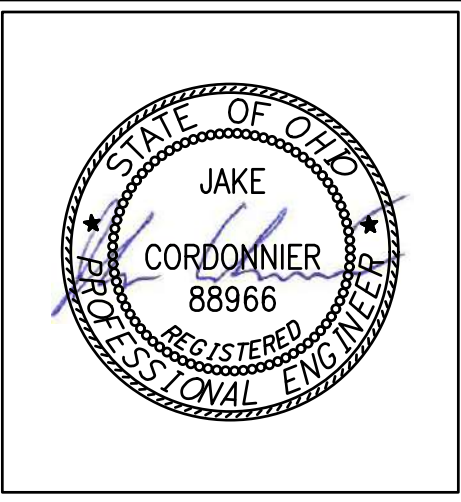
ALL DISTURBED AREAS OR AREAS DESIGNATED FOR SEEDING SHALL BE GRADED AND SEEDED AND SHALL HAVE A MINIMUM OF 6" OF TOPSOIL OVER THE ENTIRE AREA. TESTING THE PH OF ANY EXISTING OR IMPORTED TOPSOIL PER ODOT 659.02 SHALL BE WAIVED. THE AREA SHALL BE HAND-RAKED AND DRESSED READY FOR SEEDING. NO STONE OVER 1½" IN SIZE PERMITTED IN THE TOP 6".

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL.

IT'S THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE THE REQUIRED GERMINATION RATES AND ENSURE THE GRASS IS ESTABLISHED TO THE SATISFACTION OF THE OWNER WHICH MAY REQUIRE WATERING, REGRADING/ADDING TOPSOIL AND RESEEDING. ANY AREAS THAT HAVE ERODED OR WHERE NEW GRASS DID NOT GERMINATE SHALL BE ADDRESSED BY THE CONTRACTOR UNTIL THE AREAS ARE STABILIZED, SHAPED, AND DRAINED, AS INDICATED IN THE PLANS.

ANY DISTURBED AREA, OUTSIDE OF THE PROJECT WORK LIMITS, CAUSED BY THE CONTRACTOR'S WORK, SHALL BE RESTORED TO THE SATISFACTION OF THE PROPERTY OWNER AND PROJECT OWNER'S REPRESENTATIVE, AT THE CONTRACTOR'S SOLE EXPENSE. THIS ITEM INCLUDES: TOPSOIL, SEEDING, MULCHING, COMMERCIAL FERTILIZER, WATER, AND REPAIR SEEDING AND MULCHING.

PAYMENT FOR ITEM 659 SEEDING AND MULCHING, CLASS 1 (LAWN MIXTURE), AS PER PLAN, FOR ALL ABOVE OPERATIONS, SHALL BE INCLUDED IN THE LUMP SUM BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.



BUILDING ADDITION

FT LORAMIE ELEMENTARY SCHOOL

RENOVATION

575 GREENBACK ROAD, FORT LORAMIE, OH 45854

ISSUANCES/REVISIONS		
CONSTRUCTION DOCUMENTS	12/11/2025	

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25041.00	JAC	NS

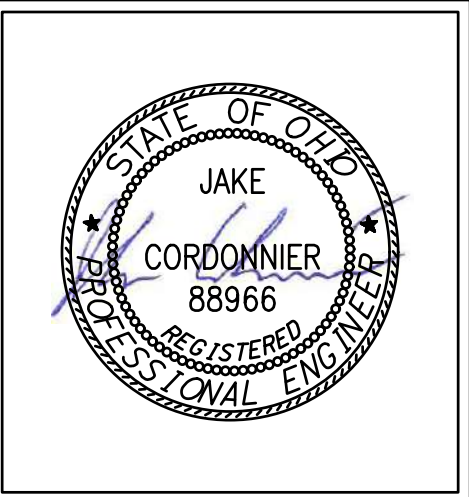
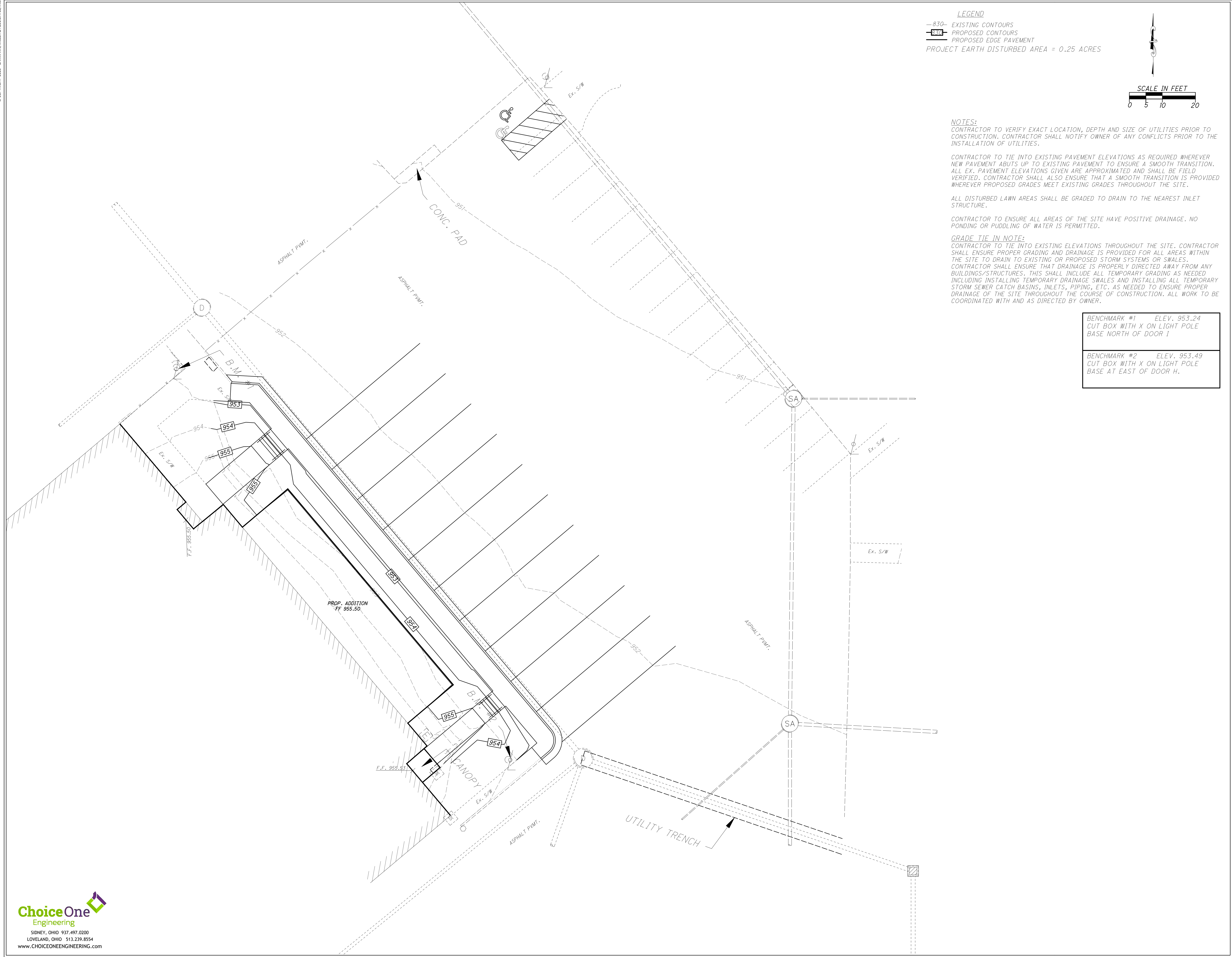
SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

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BUILDING ADDITION

FT LORAMIE ELEMENTARY SCHOOL RENOVATION

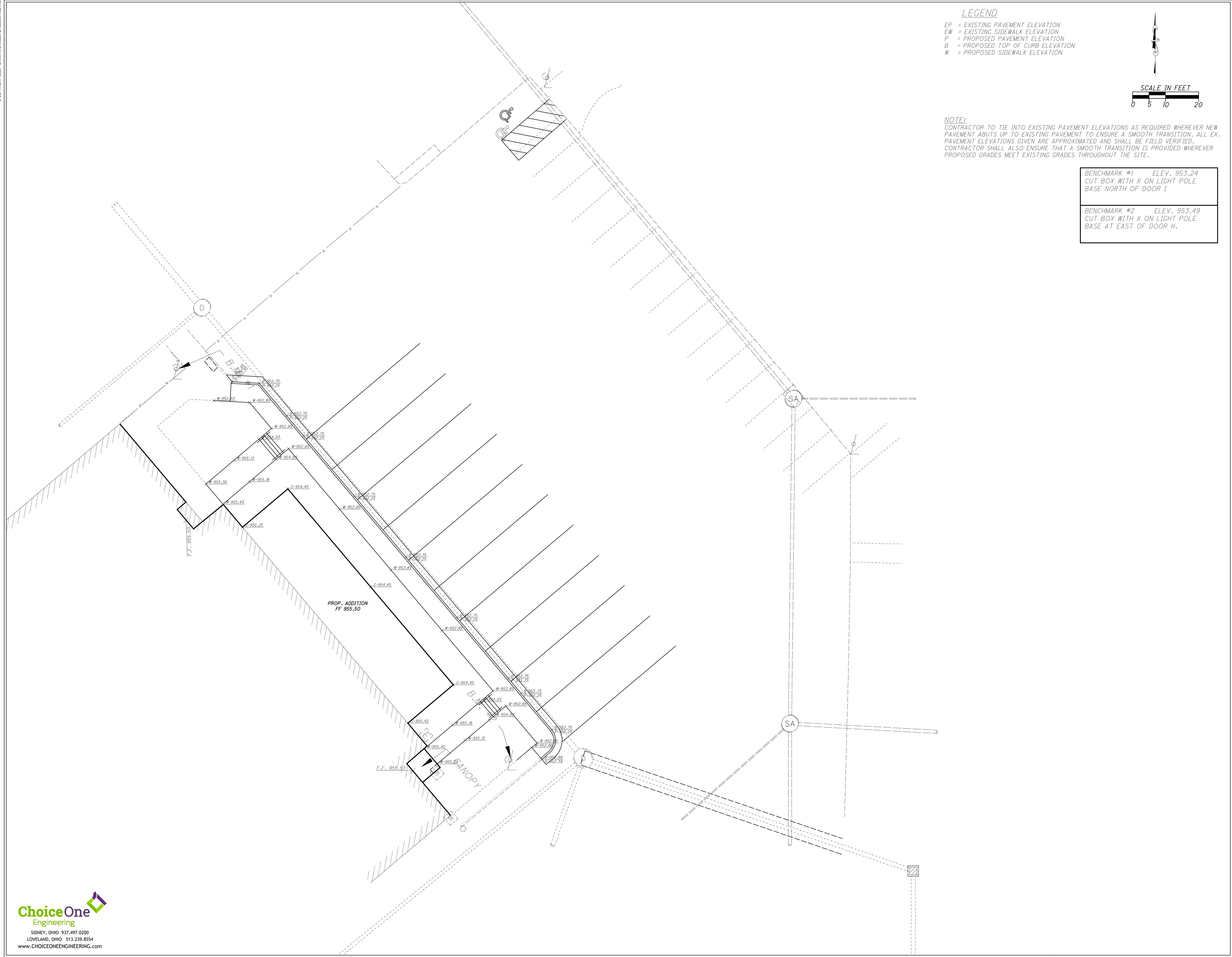
575 GREENBACK ROAD, FORT LORAMIE, OH 43045

ISSUANCES/REVISIONS		
CONSTRUCTION DOCUMENTS	12/11/2025	

PROJECT NUMBER: 25041.00	DRAWN BY: JAC	CHECKED BY: NS
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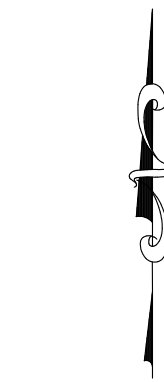
SHEET TITLE:

GRADING PLAN



LEGEND

- EP = EXISTING PAVEMENT ELEVATION
- EW = EXISTING SIDEWALK ELEVATION
- P = PROPOSED PAVEMENT ELEVATION
- B = PROPOSED TOP OF CURB ELEVATION
- W = PROPOSED SIDEWALK ELEVATION



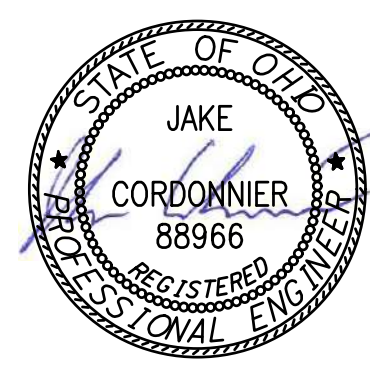
SCALE IN FEET
0 5 10 20

NOTE:

CONTRACTOR TO TIE INTO EXISTING PAVEMENT ELEVATIONS AS REQUIRED WHEREVER NEW PAVEMENT ABUTS UP TO EXISTING PAVEMENT TO ENSURE A SMOOTH TRANSITION. ALL EX. PAVEMENT ELEVATIONS GIVEN ARE APPROXIMATED AND SHALL BE FIELD VERIFIED. CONTRACTOR SHALL ALSO ENSURE THAT A SMOOTH TRANSITION IS PROVIDED WHEREVER PROPOSED GRADES MEET EXISTING GRADES THROUGHOUT THE SITE.

BENCHMARK #1 ELEV. 953.24
CUT BOX WITH X ON LIGHT POLE
BASE NORTH OF DOOR I

BENCHMARK #2 ELEV. 953.49
CUT BOX WITH X ON LIGHT POLE
BASE AT EAST OF DOOR H.



FT LORAMIE ELEMENTARY SCHOOL
RENOVATION

BUILDING ADDITION

575 GREENBACK ROAD, FORT LORAMIE, OH 43065

ISSUANCES/REVISIONS
CONSTRUCTION DOCUMENTS 12/11/2025

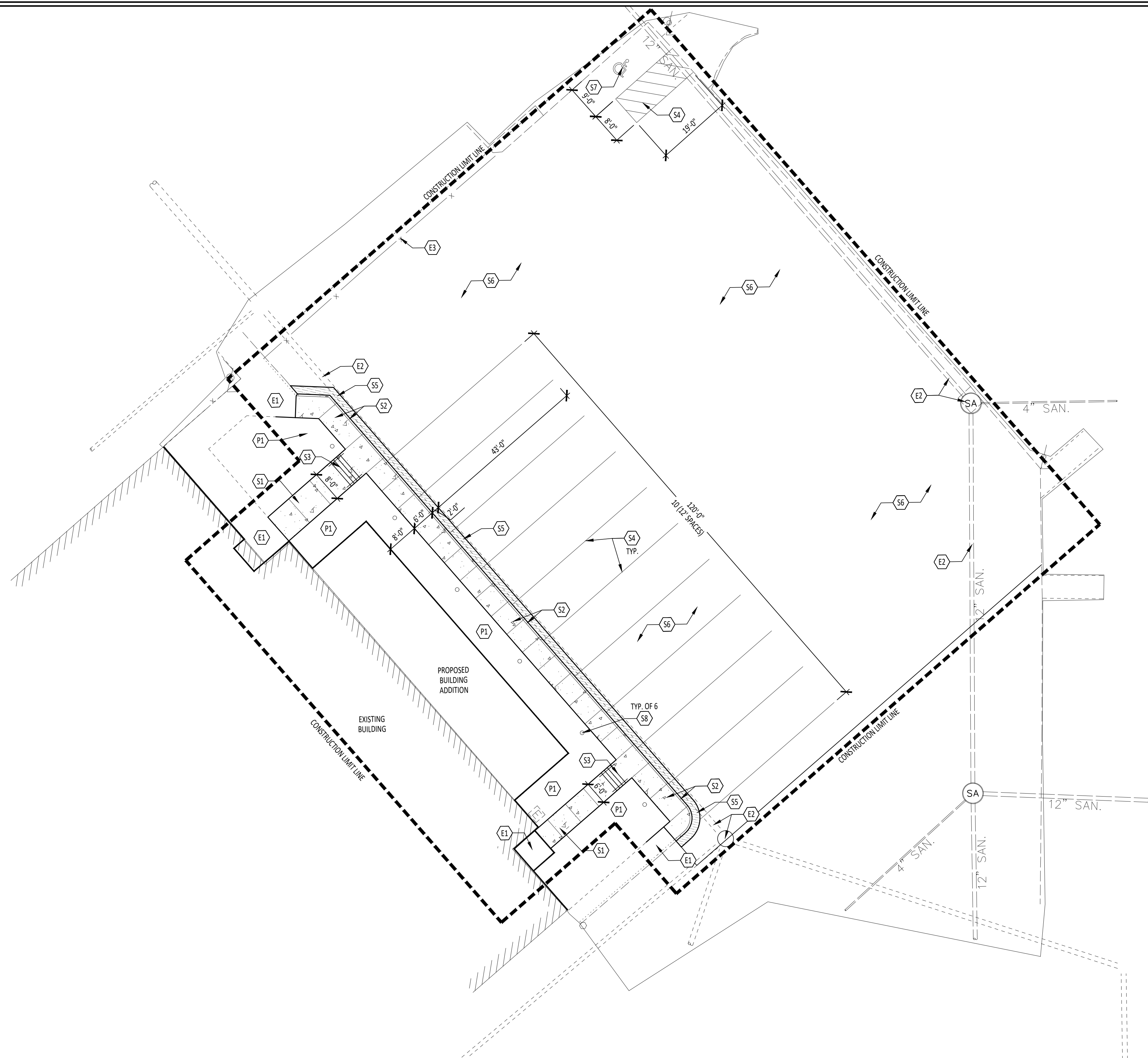
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25041.00	JAC	XXX

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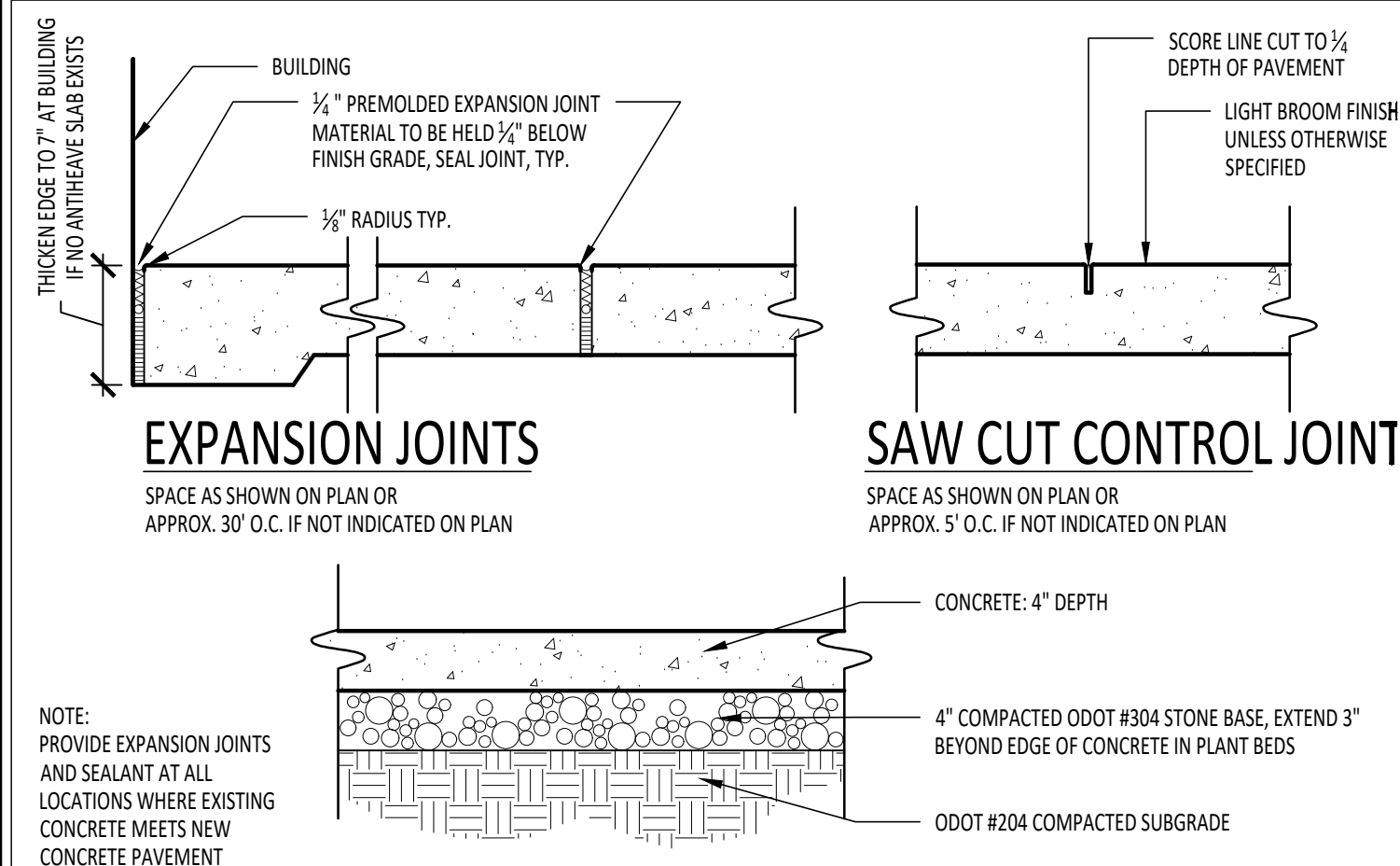
PAVEMENT
ELEVATIONS PLAN

SHEET NUMBER:

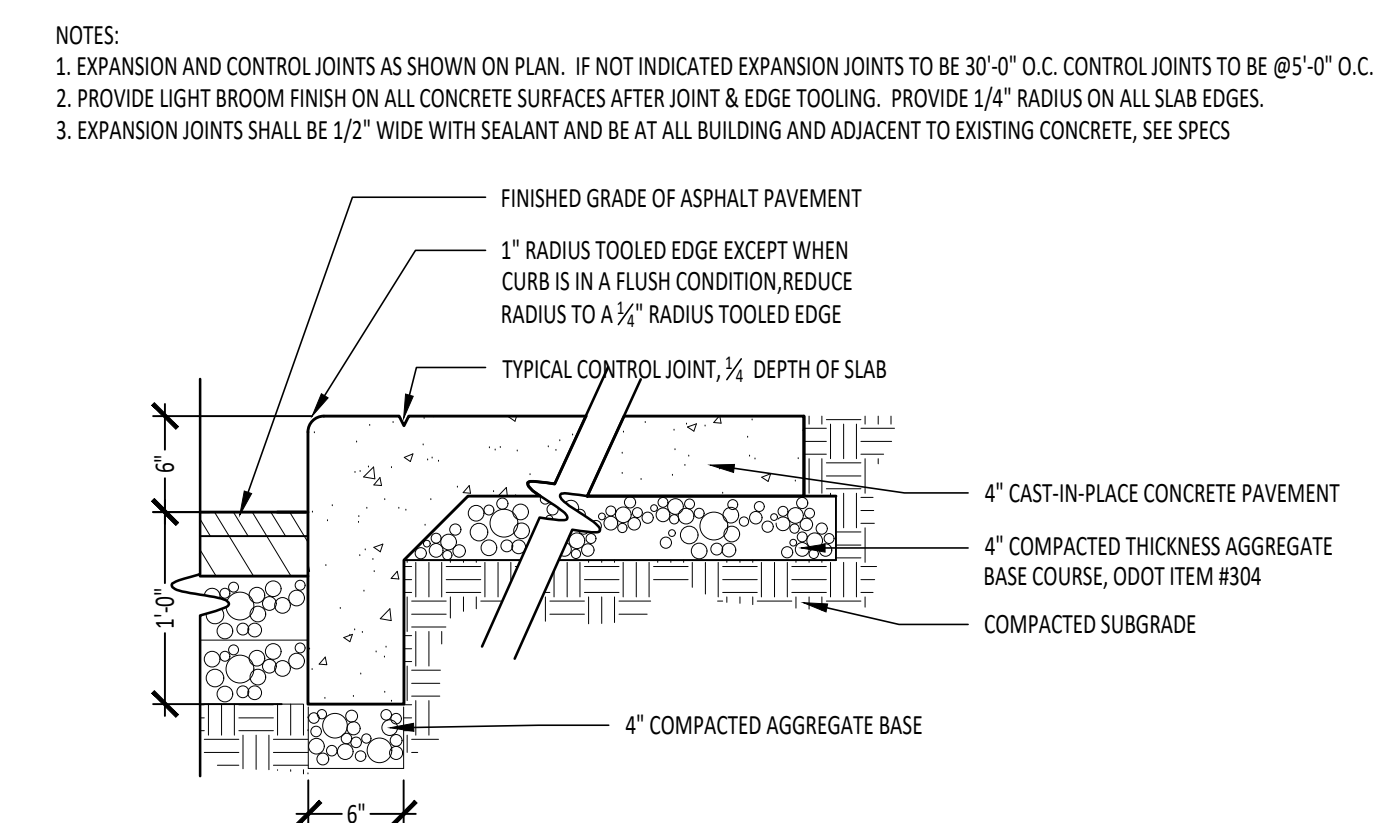
C1.2



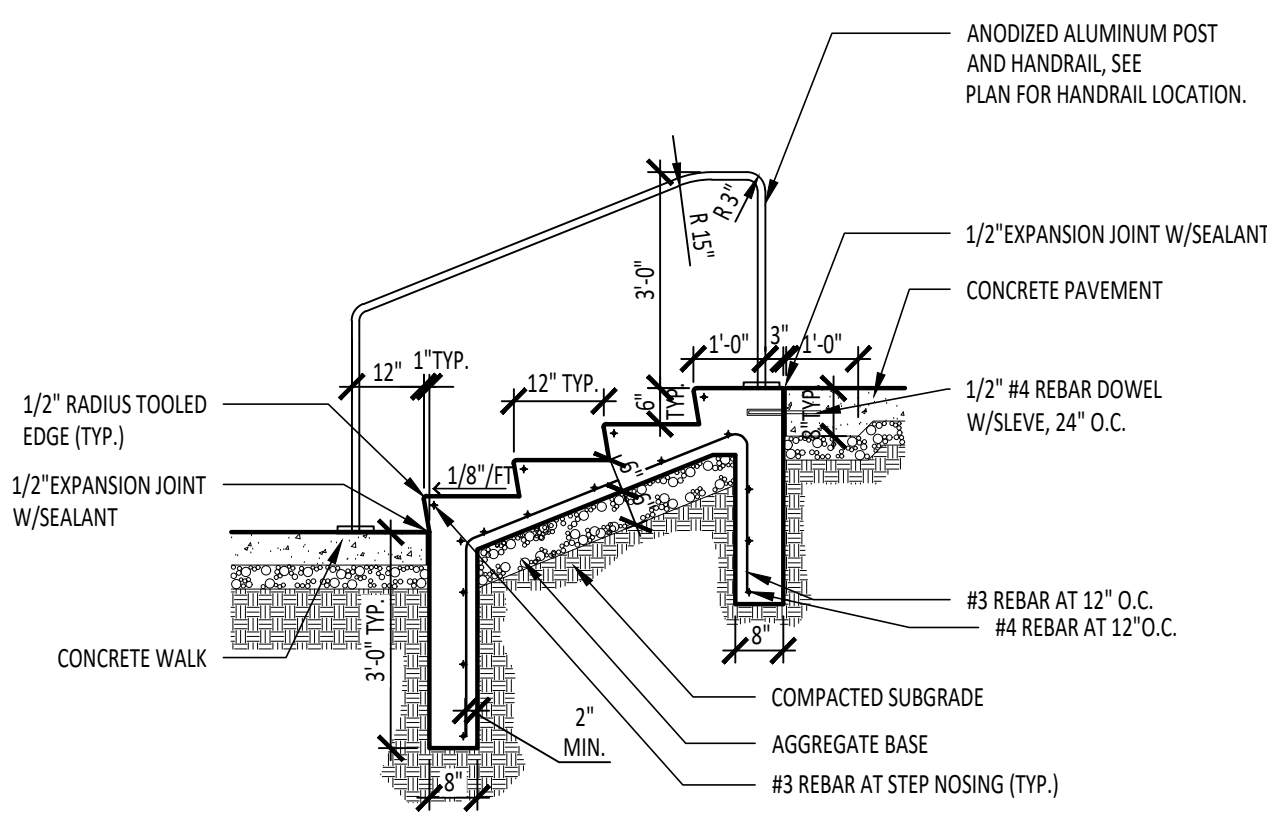
1 SITE LAYOUT AND MATERIALS PLAN - ELEMENTARY SCHOOL
L1.1 1/16" = 1' - 0"



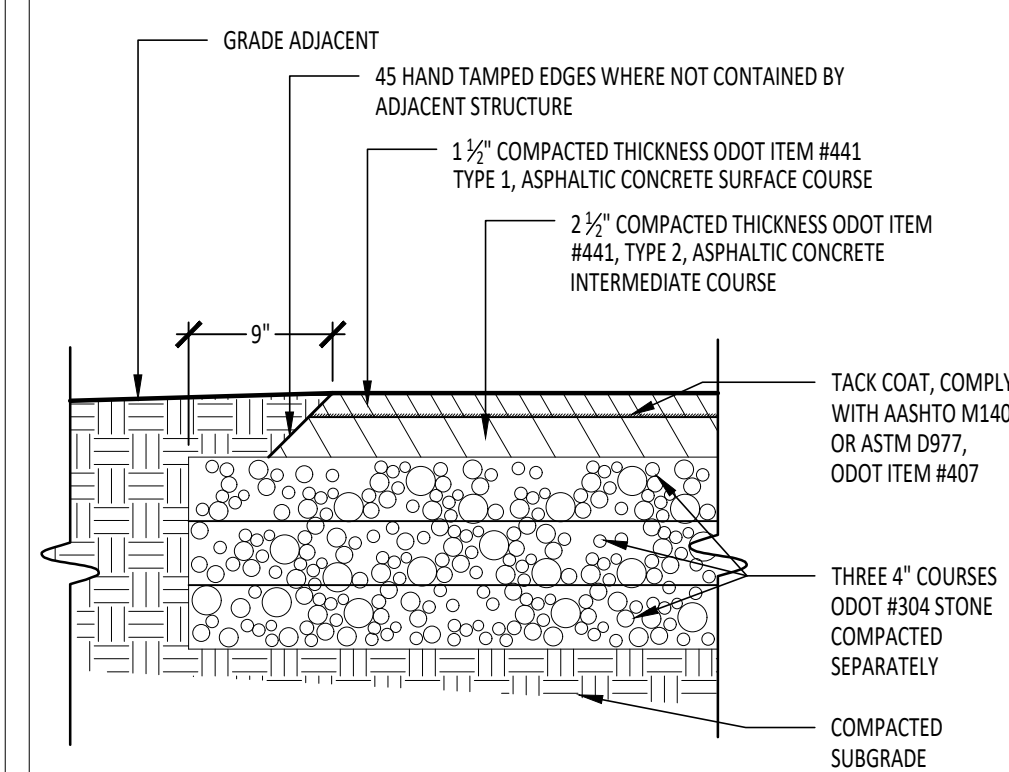
2 CONCRETE PAVEMENT AND JOINTS
L1.1 1" = 1'-0"



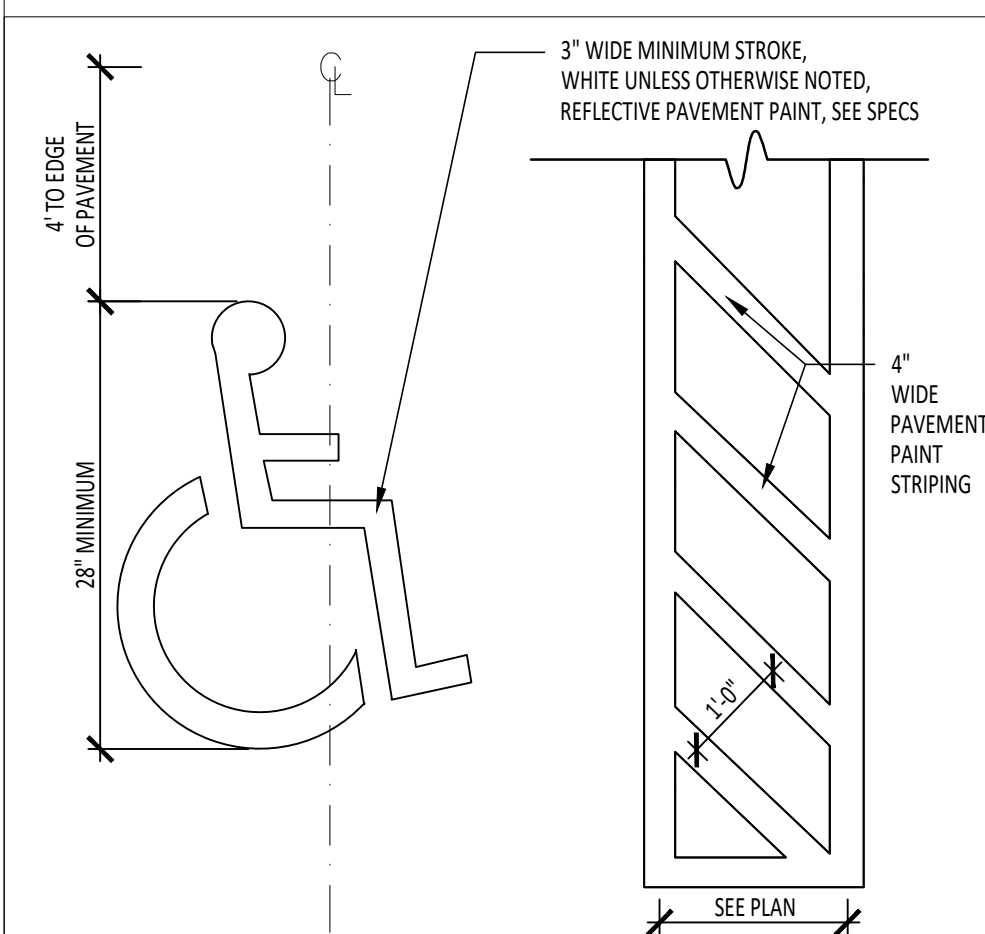
3 INTEGRAL CONCRETE CURB AND WALK
 U1.1 1" = 1'-0"









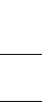
4 CONCRETE STEPS - 4 RISERS
 3/8" = 1'-0"



5 12.1	ASPHALT PAVEMENT HEAVY DUTY 1" = 1'-0"
-----------	-------------------------------------------



6 ACCESSIBLE PARKING SPACE
1/2" = 1'-0"

KEYNOTE SCHEDULE	
	EXISTING
E1	EXISTING CONCRETE TO REMAIN
E2	EXISTING UTILITY TO REMAIN
E3	EXISTING FENCE TO REMAIN
	SITE
S1	CONCRETE PAVEMENT, SEE DETAIL 2/11.1
S2	CONCRETE SIDEWALK WITH INTEGRAL CURB, SEE DETAIL 3/11.1
S3	CONCRETE STAR WITH HANDRAIL, SEE DETAIL 4/11.1
S4	PAVEMENT AREAS, PAVEMENT MARKINGS AND PAINTED ISLANDS, SEE SPECIFICATIONS
S5	HEAVY DUTY ASPHALT, SEE DETAIL 5/11.1
S6	CRACK FILL AND SEAL EXISTING PARKING LOT, STRIPS PER PLAN
S7	HANDICAP ACCESSIBLE PARKING SPACE, SEE DETAIL 6/11.1
S8	LIGHT BOLLARD WITH BUS RECTANGLE, SEE ELECTRICAL DRAWINGS AND SPECS
	PLANTING
P1	FINE GRADE SEED AND LAWN, SEE SPECIFICATIONS
LEGEND <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>P.O.B. (POINT OF BEGINNING)</p> </div> <div style="text-align: center;">  <p>STANDARD DUTY CONCRETE</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  <p>ALIGN</p> </div> <div style="text-align: center;">  <p>HEAVY DUTY ASPHALT PAVEMENT</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  <p>KEYNOTE DESIGNATION REFER TO NOTES SHEET</p> </div> <div style="text-align: center;">  <p>CONTROL JOINT</p> </div> <div style="text-align: center;">  <p>CONCRETE PAVEMENT</p> </div> </div>	
GENERAL NOTES	
A.	FIELD VERRY DIMENSIONS & CONDITIONS OTHER THAN CONSTRUCTION, NOTIFY ARCHITECT IMMEDIATELY IF ANY DISCREPANCY OR SITUATION DISCOVERED THAT DOES NOT CONFORM TO CONSTRUCTION DOCUMENTS.
B.	WORK PERFORMED IS SUBJECT TO APPROVAL BY THE ARCHITECT AND OWNER. WORK FOUND TO BE UNSATISFACTORY SHALL BE REMOVED AND PROPERLY REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
C.	CATCH & REPAIR ALL AREAS, SURFACES & MATERIALS TO CONDITION OF SURROUNDING AREA.
D.	CLOSELY COORDINATE WORK WITH THE OWNER AND WITH ALL OTHER CONTRACTORS HIRED BY THE OWNER. CLARIFY IN ADVANCE ANY QUESTIONS AS TO SCOPE OF WORK AND AREAS OF RESPONSIBILITY.
E.	DIMENSIONS ARE TO FACE OF CURB, FENCE, CONDUIT OR CENTERLINE UNLESS OTHERWISE NOTED. WALES SHALL BE CENTERED ON CURB WALES.
F.	WALLS SHALL MEET BOTH VERTICALLY AND HORIZONTALLY.
G.	LAYOUT AND DIMENSIONS ARE PARALLEL AND PERPENDICULAR TO ONE ANOTHER UNLESS OTHERWISE INDICATED IN PLANS.
H.	CONTRACTOR SHALL CALL OUPS (800) 362-3764 PRIOR TO COMMENCEMENT OF ANY WORK.
I.	GENERAL CONTRACTOR IS TO MAINTAIN THE SITE WITHIN THE CONSTRUCTION FENCELINE THROUGHOUT CONSTRUCTION IN A CLEAN AND ORDERLY MANNER. MOW GRASS, MAINTAIN PLANT BEDS TO BE FREE OF WEEDS, PICK-UP TRASH, ETC. THE SITE IS TO BE LEFT IN THE SAME BETTER CONDITION THAN ORIGINALLY FOUND.



FT LORAMIE ELEMENTARY SCHOOL RENOVATION

BUILDING ADDITION

775 GREENBACK ROAD FORTIORAMIE OIL 45945

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	12/11/2025

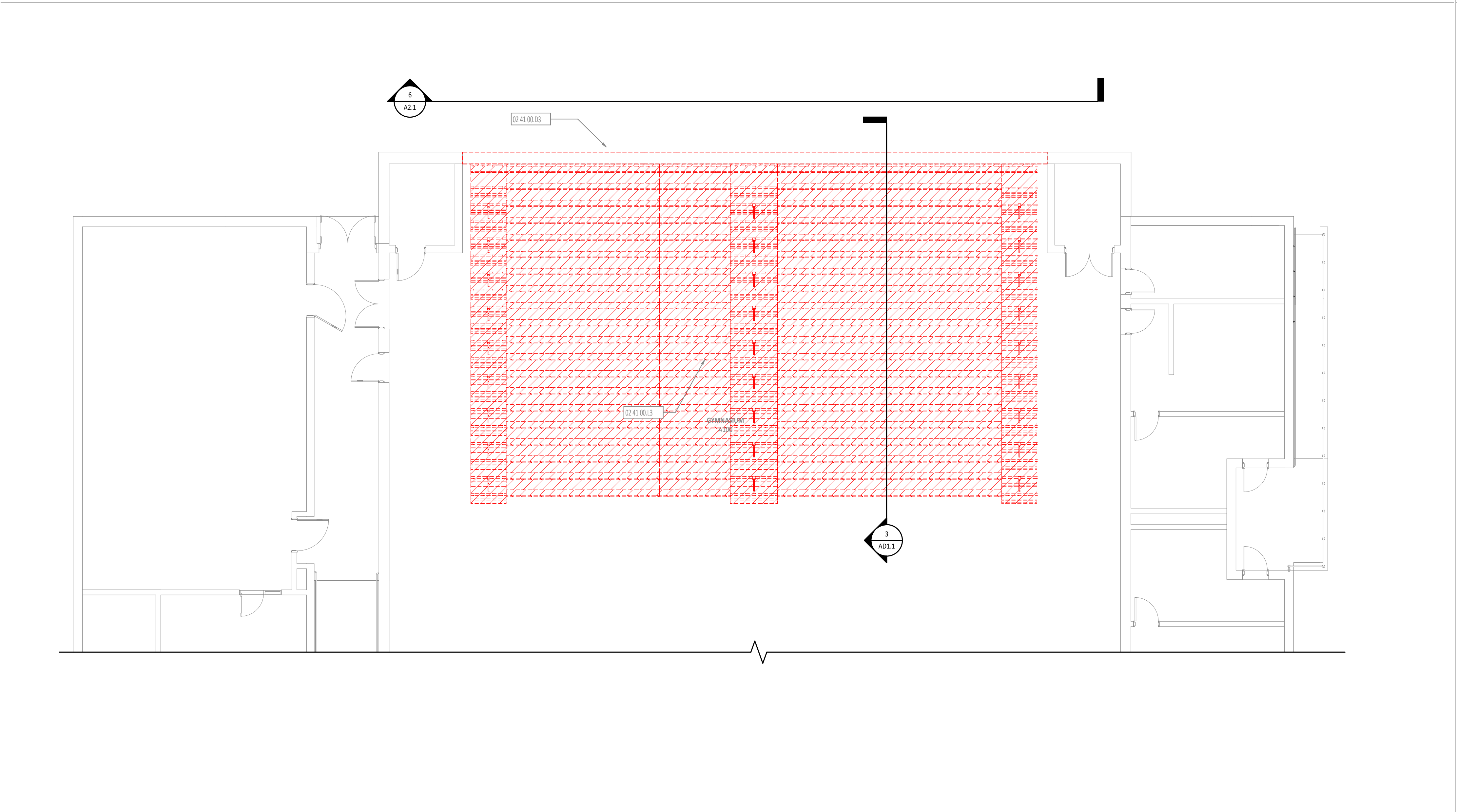
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25041.00	CPD	MAD

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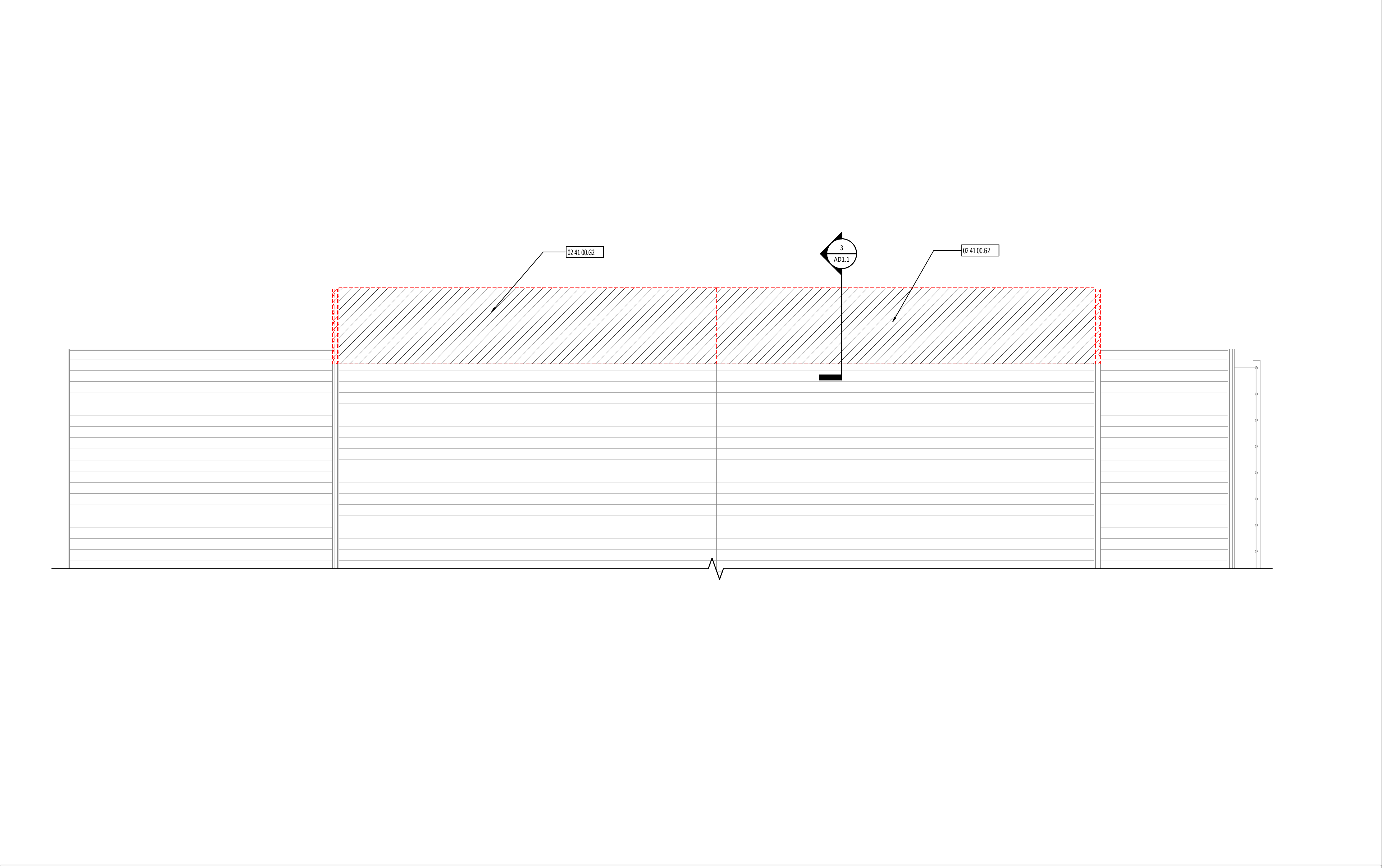
SITE LAYOUT AND MATERIALS PLAN - ELEMENTARY SCHOOL

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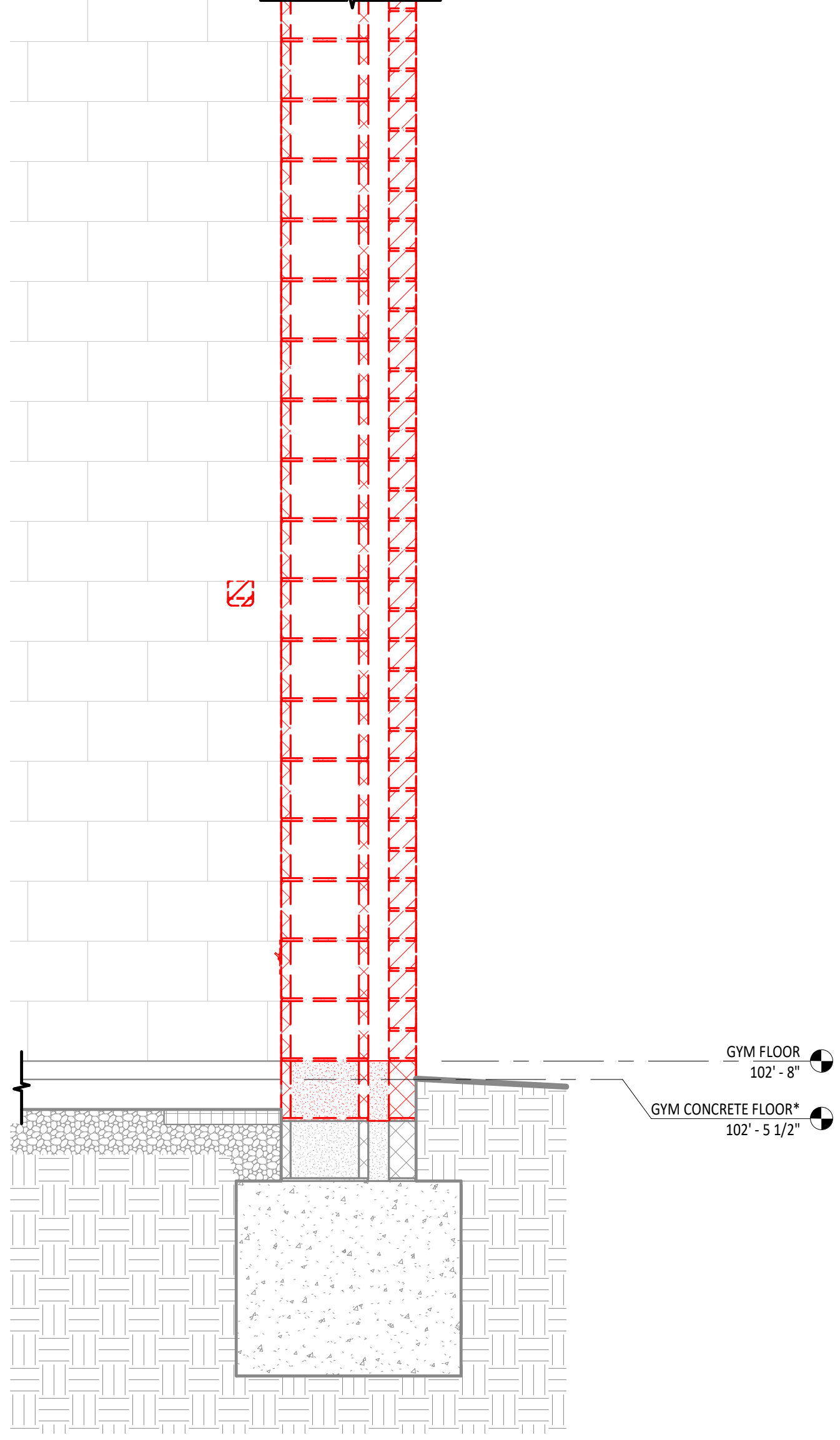
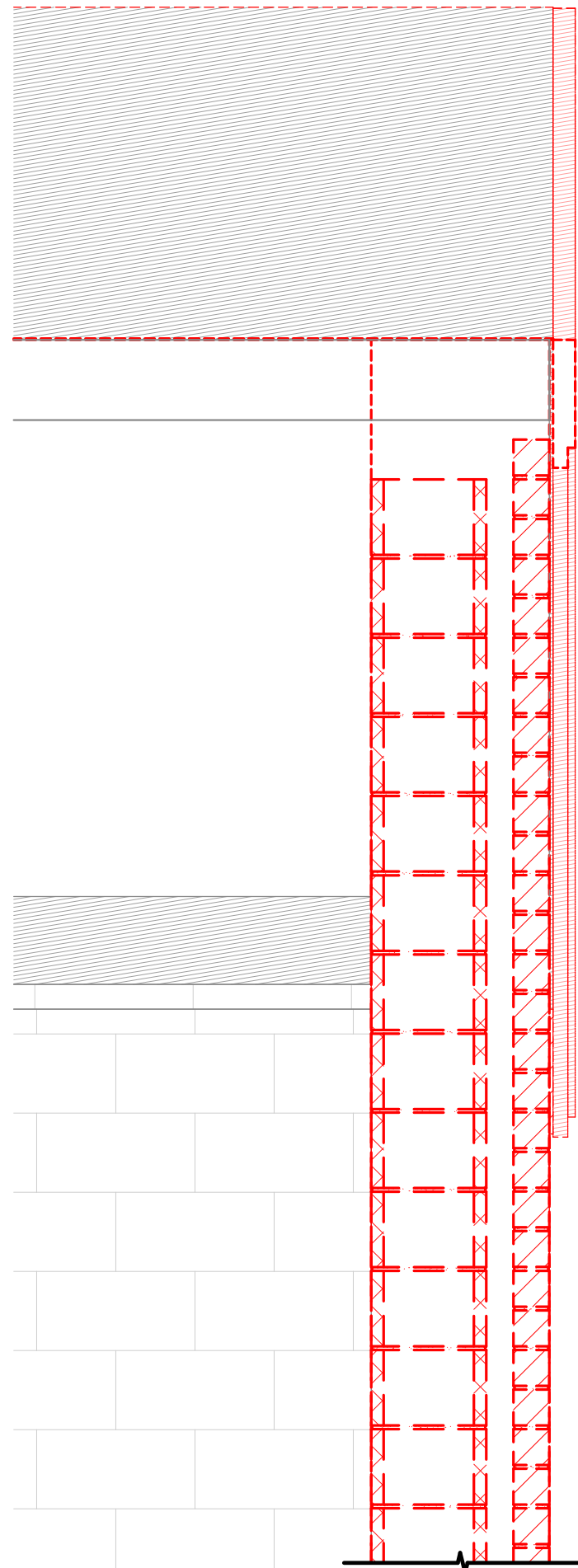
L1.1



1
AD1.1 FIRST FLOOR DEMOLITION PLAN - OVERALL
1/8" = 1'-0"



2
AD1.1 ROOF DEMOLITION PLAN
1/8" = 1'-0"



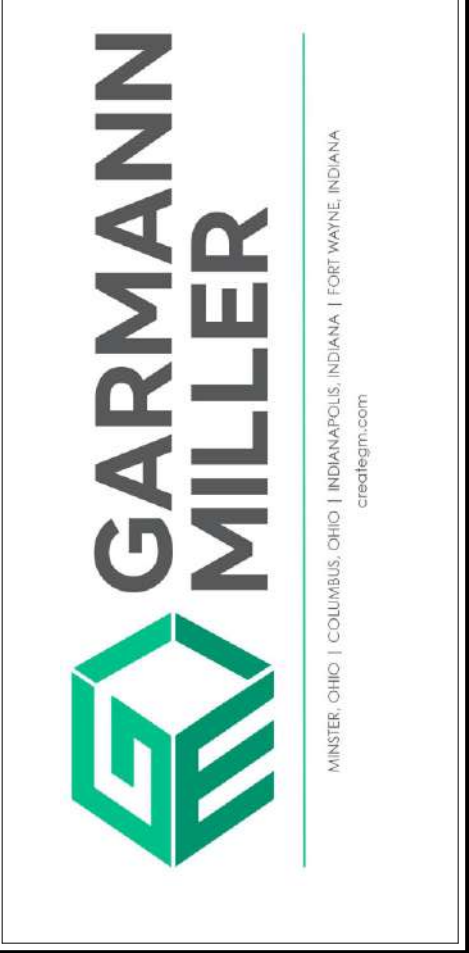
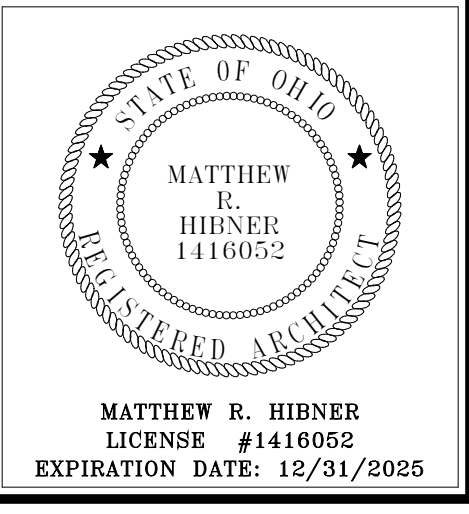
FIRST FLOOR PLAN ROOM INDEX - OVERALL				
ROOM NUMBER	ROOM NAME	ID	AREA	OCCUPANCY
144	TLT		43 SF	
145	TLT		74 SF	
147	CLINIC		179 SF	1
150	IP		130 SF	1
151	VAULT		66 SF	0
152	PRINC		156 SF	1
153	CONFERENCE		238 SF	2
155	VEST		174 SF	
156	CONF.		173 SF	1
157	WVRM		238 SF	2
158	READ/CIRC.		1,650 SF	82
159	COMPUTER LAB		1,024 SF	51
169	TLT		40 SF	
171	DRY FOOD STOR.		189 SF	1
177	WARE WASHING		218 SF	1
178	DIET. OFF		69 SF	0
179	L/R		102 SF	
197	ELECTRICAL		180 SF	1
198	BOILER		356 SF	1
A100	GYMNASIUM		6,691 SF	
A101	GYMNASIUM ADDITION		1,336 SF	

FLOOR PLAN SYMBOLS LEGEND

(A101) ROOM DESIGNATION - REFERENCE ROOM INDEX.

EXTERIOR ELEVATION
DETAIL NUMBER
SHEET NUMBER

SECTION
DETAIL NUMBER
SHEET NUMBER



**FT LORAMIE ELEMENTARY SCHOOL
RENOVATION**

BUILDING ADDITION

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	12/11/2025
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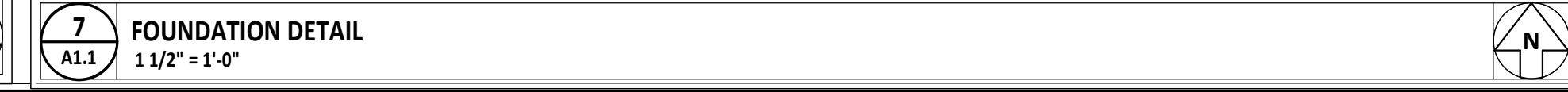
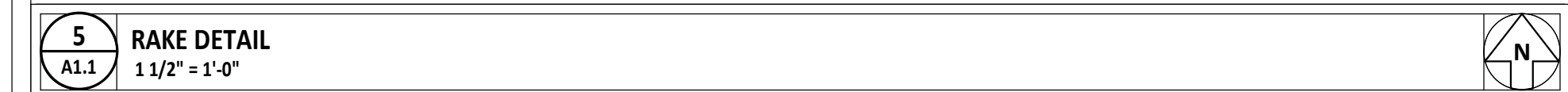
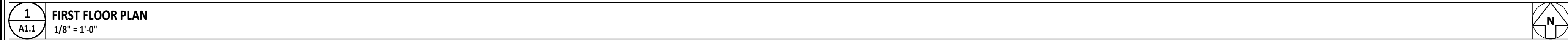
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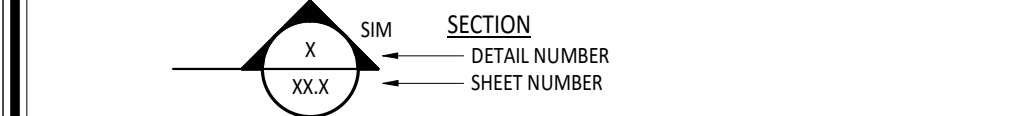
**FIRST FLOOR PLAN
/ ROOF PLAN
DEMO**

SHEET NUMBER:

AD1.1

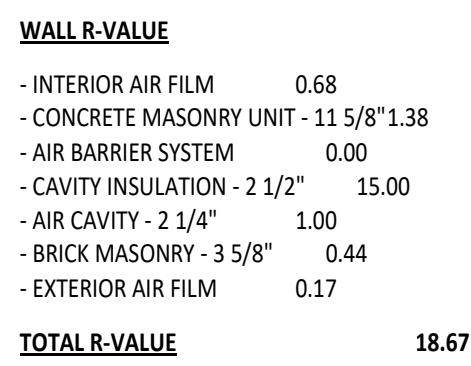
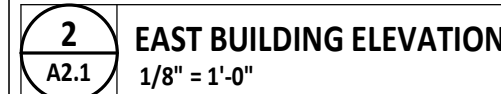


198	BOILER	356 SF	1
A100	GYMNASIUM	6,691 SF	
A101	GYMNASIUM ADDITION	1,336 SF	

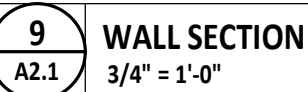
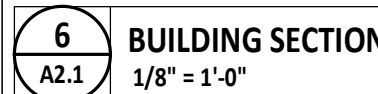


09 64 66.A	WOOD GYMNASIUM FLOORING - MATCH EXISTING - SAND AND STAIN ENTIRE FLOOR TO BLEND IN NEW AREA
31 23 00.A	COMPACTED GRANULAR FILL

500 EAST PARK STREET, ENRIORAMIE, OHIO 45945



EXTERIOR WALL ASSEMBLY
1 1/2" = 1'-0"



#	KEYNOTE DESCRIPTION
03 15 21 A	VAPOR BARRIER
03 30 00 A	CONCRETE FOOTING - REFERENCE STRUCTURAL DRAWINGS.
03 30 00 C	CONCRETE SLAB - REFERENCE STRUCTURAL DRAWINGS.
03 30 00 C2	5" CONCRETE SLAB - REFERENCE STRUCTURAL DRAWINGS.
05 05 19 A1	VENER ANCHOR TIES AT 16" OC VERTICALLY AND HORIZONTALLY
04 20 00 A	FACE BRICK VENER
04 20 00 B	FACE BRICK VENER - UTILITY BRICK
04 20 00 B2	FACE BRICK VENER - UTILITY BRICK - TYPE 1
04 20 00 B3	FACE BRICK VENER - UTILITY BRICK - TYPE 2
04 20 00 G5	NOMINAL 12" CONCRETE MASONRY UNIT
05 12 00 J	STRUCTURAL STEEL FRAMING MEMBER - REFERENCE STRUCTURAL DRAWINGS.
07 21 13 B5	2" FIBER INSULATION
07 25 00 B	CONTINUOUS AIR BARRIER SYSTEM
07 53 23 A	1/2" ADHESIVE OPEN ROOFING SYSTEM
07 71 00 A	TWO-PIECE PREFINISHED FASCIA WITH DRAIN EDGE
09 64 06 A	WOOD GYMNASIUM FLOORING - MATCH EXISTING - SAND AND STAIN ENTIRE FLOOR TO BE INLED IN NEWSPARKET
11 66 20 D3	TO-BLENDED ASBESTAL BACKSTOP SYSTEM AT EXISTING LOCATION
12 66 13 B	TELESCOPING BLEACHERS
13 23 00 A	COMPACTED GRANULAR FILL



FT LORAMIE ELEMENTARY SCHOOL RENOVATION

ISSUANCES/REVISIONS		
CONSTRUCTION DOCUMENTS	12/11/	

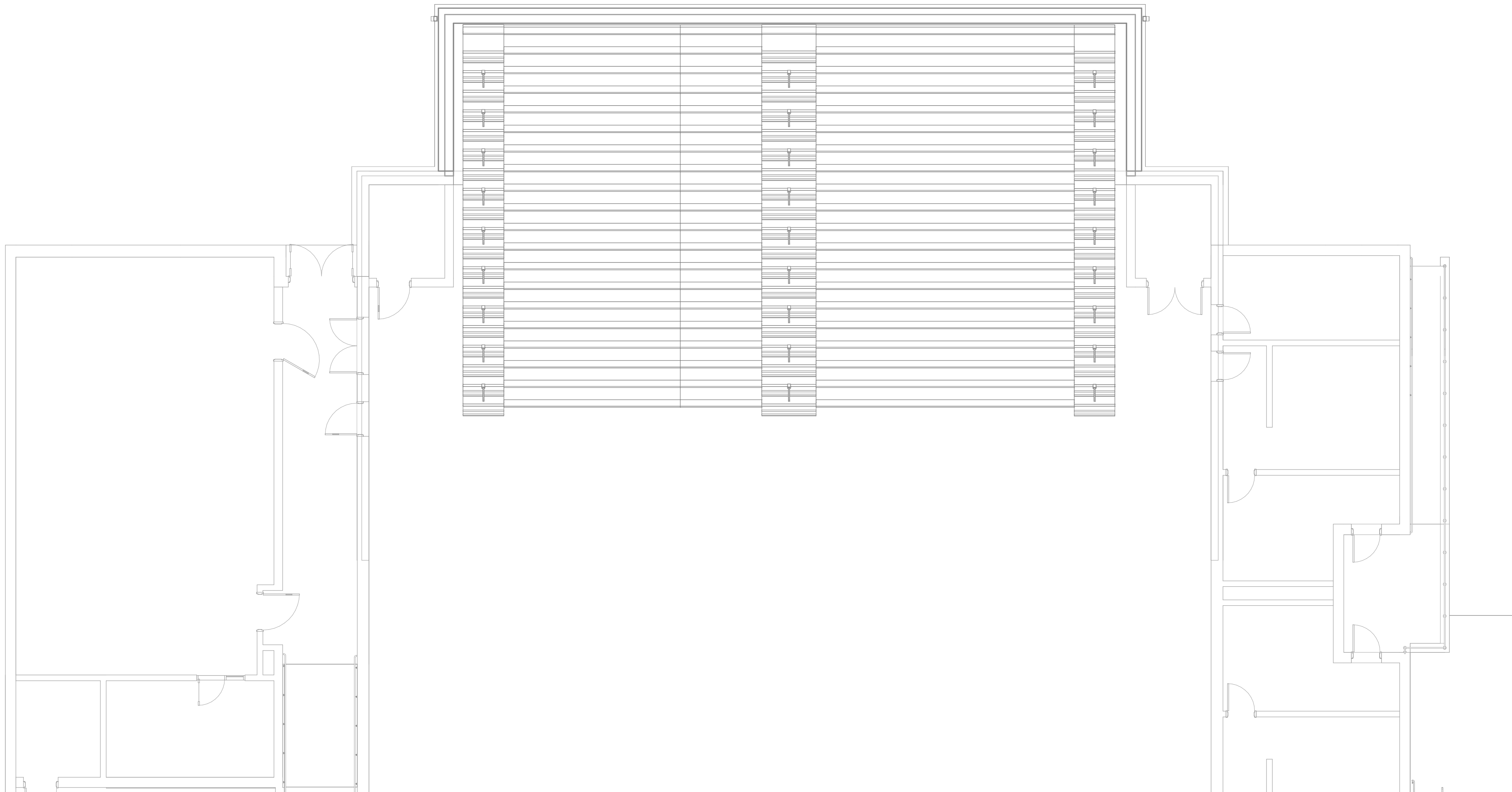
PROJECT NUMBER:	DRAWN BY:	CHECKED:
5041.00	Author	Check

SHEET TITLE

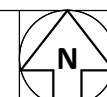
EXTERIOR ELEVATIONS

SHEET NUMBER

A2.1



1
A8.1 **FIRST FLOOR EQUIPMENT PLAN**
1/8" = 1'-0"



EQUIPMENT SCHEDULE					
MARK	NEW EXISTING	DESCRIPTION	MANUFACTURER	MODEL	NOTES













NOTES:

1. TO BE PROVIDED BY LOOSE FURNISHINGS.
2. TO BE PROVIDED BY OWNER

FIRST FLOOR PLAN ROOM INDEX - OVERALL					
ROOM NUMBER	ROOM NAME	ID	AREA	OCCUPANCY	
144	TLT		43 SF		
145	TLT		74 SF		
147	CLINIC		179 SF	1	
150	IP		130 SF	1	
151	VAULT		66 SF	0	
152	PRINC		156 SF	1	
153	CONFERENCE		238 SF	2	
155	VEST		174 SF		
156	CONF.		173 SF	1	
157	WORM		238 SF	2	
158	READY/CIRC.		1,650 SF	82	
159	COMPUTER LAB		1,024 SF	51	
169	TLT		40 SF		
171	DRY FOOD STOR.		189 SF	1	
177	WARE WASHING		218 SF	1	
178	DIET. OFF		69 SF	0	
179	W/R		102 SF		
179	ELECTRICAL	KEYNOTE DESCRIPTION	180 SF	1	
198	BOILER		356 SF	1	
A100	GYMNASIUM		6,691 SF		
A101	GYMNASIUM ADDITION		1,336 SF		

EQUIPMENT GENERAL NOTES

CASEWORK AND EQUIPMENT SYMBOLS LEGEND

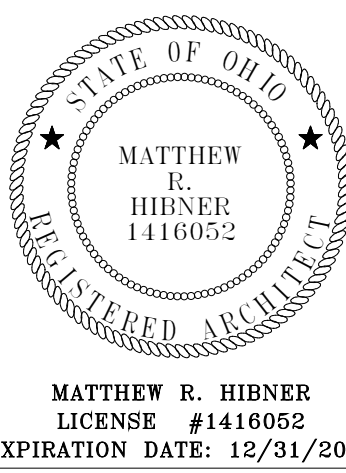
CS	CASEWORK - CHAIN STOP DESIGNATION
FE	CASEWORK - FINISH END DESIGNATION
+	CASEWORK - MODIFIED FROM STANDARD DESIGNATION
	ROOM DESIGNATION - REFERENCE ROOM INDEX.
	SIGNAGE DESIGNATION - REFERENCE SIGNAGE DETAILS.
	LEVEL LINE
	DIVISIONAL KEYNOTE DESIGNATION - REFERENCE KEYNOTE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION
	KEYNOTE DESIGNATION
	SPECIFICATION SECTION
	CALCULATED
	DETAIL NUMBER
	SHEET NUMBER
	INTERIOR ELEVATION
	DETAIL NUMBER
	SHEET NUMBER

#	KEYNOTE DESCRIPTION
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FT LORAMIE ELEMENTARY SCHOOL RENOVATION

BUILDING ADDITION

500 EAST PARK STREET, ENRIORAMIE, OHIO 45945



MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2025

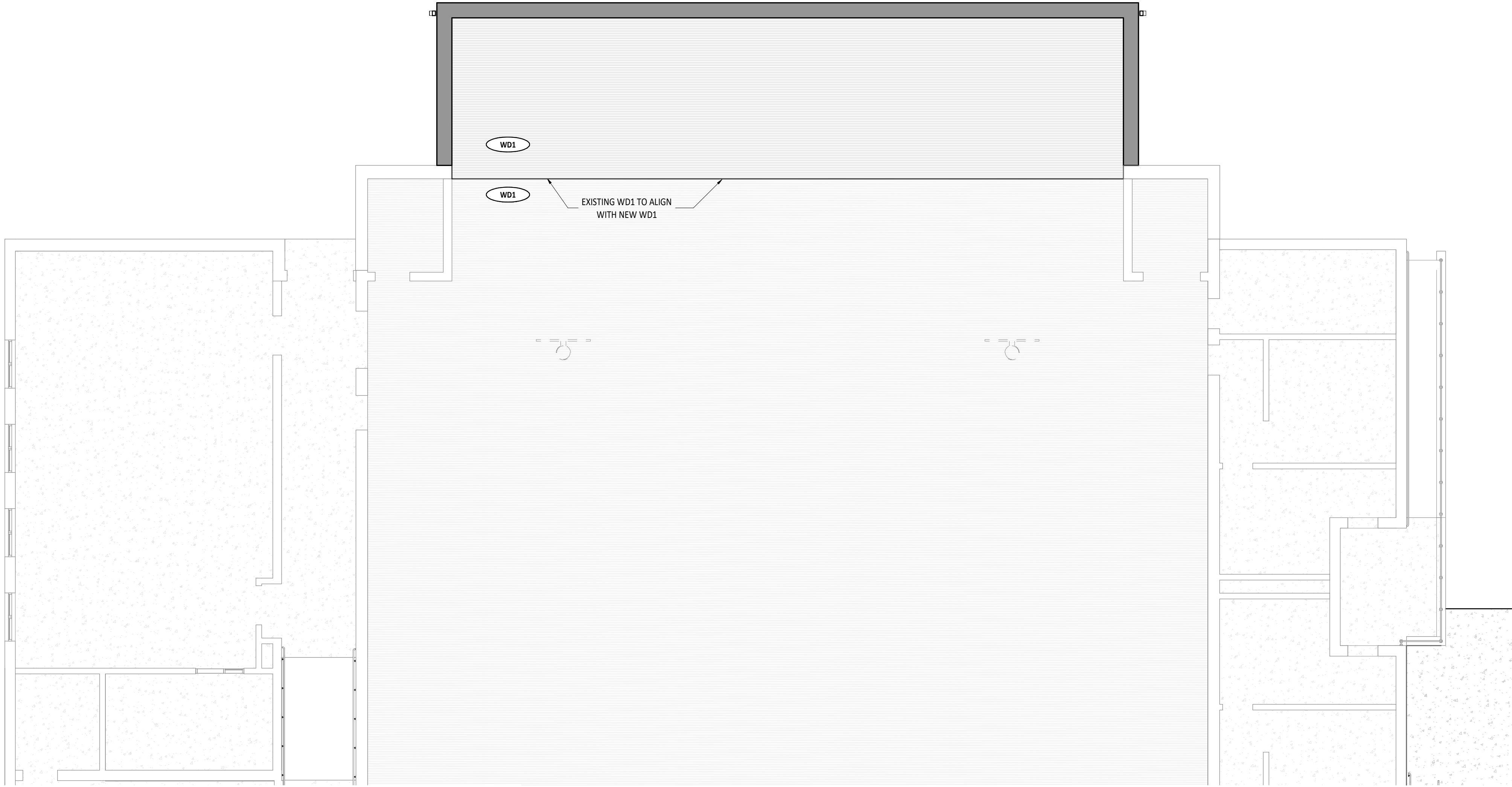
PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25041.00	JCR	

SHEET TITLE:

FIRST FLOOR EQUIPMENT PLAN

SHEET NUMBER:

A8.1



2 FIRST FLOOR FINISH PLAN - UNIT A
A9.1 1/8" = 1'-0"

FINISH MATERIAL SCHEDULE						
NAME	MANUFACTURER	STYLE	NUMBER	COLOR	SIZE	COMMENTS
09 64 00 WOOD FLOORING - GYMNASIUM FLOORING						
WF1	ROBBINS FLOORING	BIO CUSHION	--	--	--	MATCH EXISTING - VERIFY IN FIELD
09 65 00 RESILIENT FLOORING - RUBBER BASE						
RB1	--	--	--	--	--	MATCH EXISTING - VERIFY IN FIELD
09 91 23 PAINTING - PAINT						
PT1	--	-	--	--	--	MATCH EXISTING - VERIFY IN FIELD

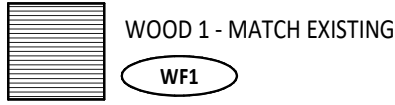
FIRST FLOOR PLAN ROOM INDEX - OVERALL				
ROOM NUMBER	ROOM NAME	ID	AREA	OCCUPANCY
144	TLT		43 SF	
145	TLT		74 SF	
147	CLINIC		179 SF	1
150	IP		130 SF	1
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157	WVRM		238 SF	2
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159	COMPUTER LAB		1,024 SF	51
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177	WARE WASHING		218 SF	1
178	DIET. OFF		69 SF	0
179	L/R		102 SF	
197	ELECTRICAL		180 SF	1
198	BOILER		356 SF	1
A100	GYMNASIUM		6,691 SF	
A101	GYMNASIUM ADDITION		1,336 SF	

FLOOR FINISHES GENERAL NOTES

- A FLOORING TRANSITIONS AND SEAMS AT DOOR SHALL OCCUR DIRECTLY UNDER THE CENTERLINE OF CLOSED DOOR UNLESS NOTED OTHERWISE.
- B FLOORING TRANSITIONS ARE TO BE EASED TO ACHIEVE A SMOOTH AND UNIFORM TRANSITION.
- D FLOOR FINISHES SHALL EXTEND UNDER BUILT-IN COUNTER AND EQUIPMENT.
- E REFERENCE THE FINISH MATERIAL SCHEDULE FOR MANUFACTURERS, TYPES, AND COLOR SELECTIONS.
- G ALL BASE MATERIALS SHALL BE INSTALLED TIGHT TO FLOORING SURFACE.
- H REFERENCE FINISH FLOOR MATERIAL LEGEND FOR SPECIFIC FLOORING MATERIAL AND COLOR.
- I REFER TO DIRECTIONAL ARROW ON FINISH FLOOR PLANS WHERE PROVIDED FOR FLOORING INSTALLATION INSTRUCTIONS
- K WALL SUPPLY REGISTERS/GRILLES TO BE FIELD PAINTED TO MATCH ADJACENT WALL COLOR. REFERENCE SECTION 23 37 00 AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- O PRIOR TO FLOORING INSTALLATION, VERIFY SUBFLOOR CONDITIONS MEET MANUFACTURER'S STANDARD REQUIREMENTS.

#	KEYNOTE DESCRIPTION
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FLOOR FINISH MATERIAL LEGEND

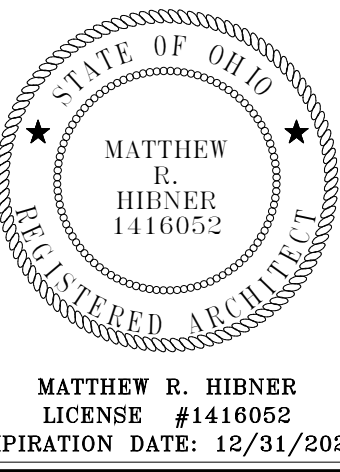


FINISH TAG LEGEND

A1XX - ROOM NUMBER	
FLOOR FINISH	RF1
BASE FINISH	RB1
WALL FINISH	PT1
FINISH REMARK*	2

*REMARKS NUMBERS COORDINATE WITH "INTERIOR FINISH REMARKS" NOTES LEGEND ABOVE

MATERIALS NOTED IN FINISH TAG SHOULD BE CONSIDERED THE OVERALL FINISHES IN THE ROOM MARKED UNLESS NOTED OTHERWISE WITH KEYNOTES ON FINISH PLAN OR INTERIOR ELEVATIONS.



FT LORAMIE ELEMENTARY SCHOOL
RENOVATION

BUILDING ADDITION

600 EAST PARK STREET, FORT LORAMIE, OHIO 43068

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	12/11/2025
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PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25041.00	MEK	Checker

SHEET TITLE:

FIRST FLOOR
FINISHES PLAN

SHEET NUMBER:

A9.1

LAP SPlice SCHEDULE FOR CONCRETE REINFORCING			
3,000 psi & 3,500 psi CONCRETE UNCOATED REINFORCING BARS			
BAR SIZE	3/4" CLR.	1 1/2" CLR. AND GREATER	
#4	3'-1"	2'-4"	2'-4"
#5	3'-10"	3'-0"	3'-0"
#6	4'-8"	3'-7"	3'-7"
#7	7'-6"	5'-9"	5'-2"
#8	9'-3"	7'-1"	5'-11"
#9	11'-2"	8'-3"	6'-8"
#10	13'-6"	10'-4"	7'-6"
#11	15'-10"	12'-2"	8'-4"

LAP SPlice SCHEDULE FOR CONCRETE REINFORCING			
4,000 psi & 4,500 psi CONCRETE UNCOATED REINFORCING BARS			
BAR SIZE	3/4" CLR.	1 1/2" CLR. AND GREATER	
#4	2'-8"	2'-1"	2'-1"
#5	3'-4"	2'-7"	2'-7"
#6	4'-0"	3'-1"	3'-1"
#7	6'-6"	5'-0"	4'-6"
#8	8'-0"	6'-2"	5'-2"
#9	9'-8"	7'-6"	5'-10"
#10	11'-8"	9'-0"	6'-8"
#11	13'-8"	10'-6"	7'-3"

- TOP BARS
OTHER BARS
- TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR.
- BAR SPACING TO BE A MINIMUM OF THREE DIAMETERS UNLESS NOTED OR SCHEDULED OTHERWISE.
- APPLICABLE ONLY FOR 60 KSI STEEL AND NORMAL WEIGHT CONCRETE.
- IN LIEU OF LAP SPlicing, BARS MAY BE SPliced BY MECHANICAL MEANS WHICH DEVELOP AT LEAST 125% OF THE BAR'S SPECIFIED YIELD STRENGTH.

REINFORCING COVER/TOLERANCE (#3 - #11 BARS)		
EXPOSURE CONDITION	MIN. COVER (U.N.C.)	PLACEMENT TOLERANCE
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	3"	0", +3"
EXPOSED TO EARTH OR WEATHER - #6 AND SMALLER BARS: - #6 AND LARGER BARS:	1-1/2" 2"	-1/4", +1/2" -1/4", +1/2"
NEITHER EXPOSED TO WEATHER, NOR IN CONTACT WITH GROUND - SLABS AND WALLS - BEAMS, COLUMNS, & PIERS: (TO TIES OR STIRRUPS)	3/4" 1-1/2"	-1/4", +3/8" -1/4", +1/2"

"+" INDICATES TOLERANCE TOWARDS MEMBER FACE.
 "-" INDICATES TOLERANCE AWAY FROM MEMBER FACE.

LAP SPlice SCHEDULE FOR MASONRY REINFORCING				
f'm = 2,250 psi		BAR CENTERED IN WALL d = 1/2		
BAR #	8" CMU	10" CMU	12" CMU	14" CMU
#3	1'-0"	1'-0"	1'-0"	1'-0"
#4	1'-0"	1'-0"	1'-0"	1'-0"
#5	1'-7"	1'-3"	1'-0"	1'-0"
#6	2'-11"	2'-4"	1'-11"	1'-7"
#7	4'-1"	3'-2"	2'-7"	2'-2"
#8	(6'-3")	4'-10"	3'-11"	3'-4"
#9	-	(6'-2")	5'-0"	4'-3"

- () INDICATES LAP LENGTH GREATER THAN MAXIMUM ALLOWABLE HEIGHT OF 5'-0" FOR LOW-LIFT GROUTING.
- APPLICABLE ONLY FOR BARS CENTERED IN MASONRY CELL.
- APPLICABLE ONLY FOR 60 KSI STEEL AND ASTM C90 BLOCK.

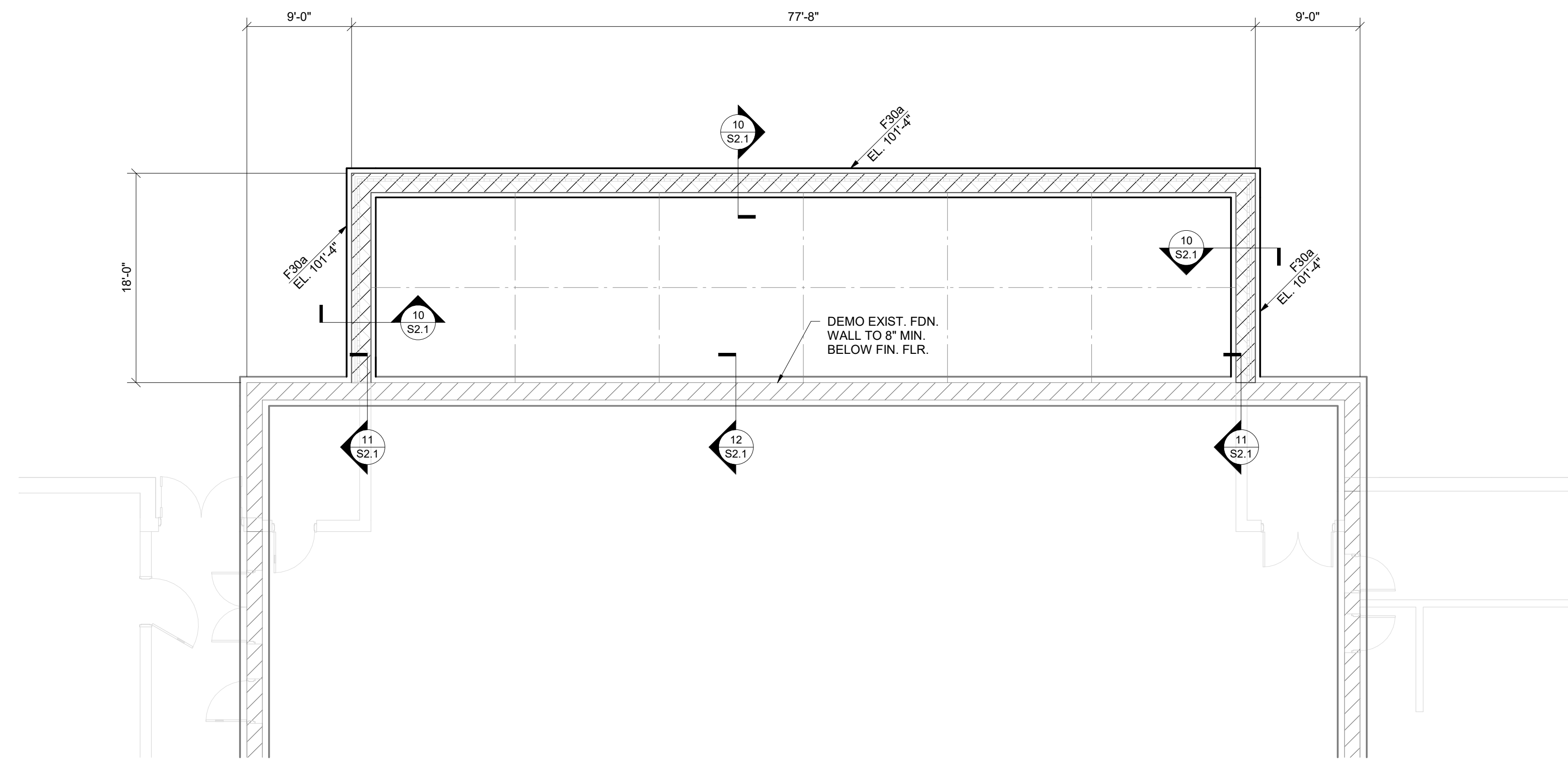
SPECIFIED DISTANCE d FROM FACE OF WALL TO CENTER OF REINFORCEMENT	ALLOWABLE TOLERANCE
d ≤ 8 in. (203 mm)	± 1/2 in. (13 mm)
8 in. (203 mm) < d ≤ 24 in. (607 mm)	± 1 in. (25 mm)
d > 24 in. (607 mm)	± 1-1/4 in. (32 mm)

PROVIDE 1/2" MIN. CLEAR BETWEEN REINFORCING BARS AND THE INSIDE FACE OF THE MASONRY CELL.

CMU REINFORCING TOLERANCE LIMITATION

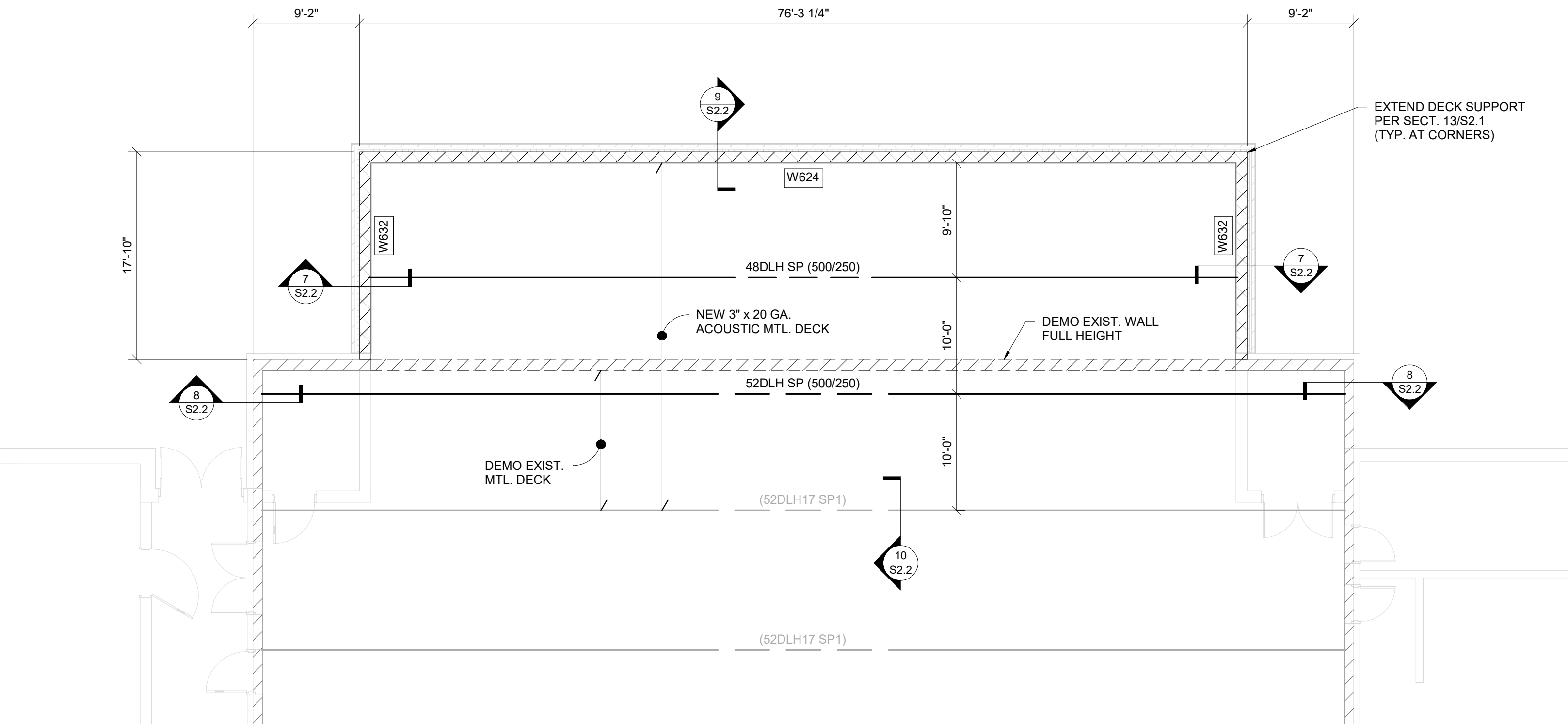
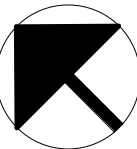
Jezerinac Geers
Structural Engineering

PROJECT NUMBER: 25.27.532
 DESIGNED BY: KRA
 DRAWN BY: JPK (R25)
 CHECKED BY: SNF
 DOCUMENT STATUS: ☐ PROGRESS ☒ PERMIT ☐ BIDDING ☐ CONSTRUCTION



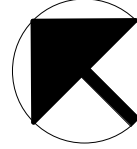
FOUNDATION PLAN

1/8" = 1'-0"



ROOF FRAMING PLAN

1/8" = 1'-0"



- FOUNDATION NOTES**
- INDICATES FOOTING STEP PER SECTION 19S2.1. STEP AT A RATIO NOT TO EXCEED ONE VERTICAL TO TWO HORIZONTAL.
 - INDICATES APPROXIMATE LOCATION AND INVERT ELEVATION OF UNDERGROUND UTILITIES. COORDINATE THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES ARE SHOWN ON THE STRUCTURAL DRAWINGS. FOUNDATIONS MUST BE PRIOR TO THE INSTALLATION OF UNDERGROUND UTILITIES ARE TO BE STEPPED OR DROPPED COMPLETELY BELOW THE UTILITY CENTER PER SECTION 19S2.1 AND SLEEVED PER SECTION 29S2.1. WHERE UNDERGROUND UTILITIES ARE IN PLACE PRIOR TO FOUNDATION CONSTRUCTION, THEY ARE TO BE ENCASED PER SECTION 39S2.1. SEE SECTION 49S2.1 FOR TRENCH EXCAVATION AND UTILITY PLACEMENT REQUIREMENTS FOR WORK THAT IS ADJACENT TO FOOTINGS.
 - INDICATES EXISTING BUILDING CONSTRUCTION BASED ON ORIGINAL BUILDING DRAWINGS AND LIMITED FIELD INVESTIGATION. EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, ETC. ARE TO BE VERIFIED PRIOR TO CONSTRUCTION OR FABRICATION OF ANY MATERIAL BY CONTRACTOR PERFORMING WORK IN EXISTING AREAS. REPORT ANY DISCREPANCIES TO ARCHITECT IMMEDIATELY. DO NOT REMOVE EXISTING LOAD-BEARING WALLS, COLUMNS, OR ANY SUCH STRUCTURE WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT. WHERE NEW STRUCTURE IS TO BE INSTALLED, PROVIDE SHORING AND BRACING AS REQUIRED TO PROPERLY SUPPORT THE REMAINING STRUCTURE UNTIL THE NEW STRUCTURE IS IN PLACE AND PROPERLY BRACED.
 - PRESUMPTIVE DESIGN SOIL BEARING PRESSURE = 1,500 PSF. GEOTECHNICAL ENGINEER IS TO BE RETAINED PRIOR TO CONSTRUCTION TO DETERMINE THE ACTUAL ALLOWABLE BEARING PRESSURE. DO NOT BEGIN FOUNDATION CONSTRUCTION UNTIL SOILS REPORT HAS BEEN REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER. FOUNDATIONS MAY REQUIRE REDESIGN BASED ON FINDINGS OF GEOTECHNICAL ENGINEER. ADDITIONAL COSTS ASSOCIATED WITH REDESIGN ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR. PLACE NO CONCRETE PRIOR TO INSPECTION AND APPROVAL OF BEARING SURFACES BY SOILS ENGINEER.
 - BOTTOM OF FOOTINGS ARE TO BE AT LEAST 36-INCHES BELOW THE ADJACENT EXTERIOR FINISHED GRADE FOR FROST PROTECTION.
 - KEEP FOUNDATIONS FREE OF WATER AT ALL TIMES. REPLACE WEAKENED SOIL WITH LEAN CONCRETE OR FLOWABLE FILL.
 - ELEVATIONS SHOWN ON FOOTINGS INDICATE ELEVATION AT TOP OF FOOTING. REFERENCE ELEVATION TOP OF CONCRETE SLAB ELEVATION AS NOTED ON PLANS. COORDINATE ABSOLUTE ELEVATION OF TOP OF SLAB WITH SITE DRAWINGS.
 - PROVIDE CORNER BARS AT ALL FOOTING INTERSECTIONS PER DETAIL 9S2.1. NOTCH FOOTINGS AT ALL DOWNSPOUT LEADERS PER DETAIL 6S2.1.
 - PROVIDE FOUNDATION DOWELS TO MATCH SIZE AND SPACING OF VERTICAL MASONRY WALL REINFORCING AS SHOWN ON THE WALL AND/OR FRAMING PLANS. WHERE VERTICAL REINFORCING IS INTERRUPTED BY OPENING IN WALL, WINDOW, LINCOLN, ETC., PROVIDE ONE ADDITIONAL DOWEL AT EACH JAMB FOR EACH 4'-0" OF OPENING WIDTH. SEE SECTION 79S2.1 FOR DOWEL PLACEMENT AND SCHEDULE ON SHEET 80.1 FOR LENGTH OF LAP SPICES.
 - SEE ELEVATION 49S2.1 FOR TYPICAL REINFORCED MASONRY WALL CONSTRUCTION.
 - SEE SHEET 80.1 FOR GENERAL STRUCTURAL INFORMATION.

- SLAB NOTES**
- SLAB CONSTRUCTION:
4" CONCRETE SLAB ON GRADE W/ 6#6 W2.9W2.9 WYWF. OVER 15-MIL VAPOR BARRIER. OVER 4" COMPACTED STONE SUBBASE.
 - INDICATES SLAB CONTROL CONSTRUCTION JOINT PER SECTION 69S2.1. CONTROL JOINTS ARE TO BE LOCATED IN AREAS SHOWN AT A SPACING NOT TO EXCEED 12'-0" O.C. UNLESS DIMENSIONED OTHERWISE.
 - REFER TO DIVISION 31 SPECIFICATIONS FOR DEPTH AND PLACEMENT OF DRAINAGE FILL AND DIVISION 3 FOR VAPOR BARRIER OR RETARDER BELOW SLABS ON GRADE.
 - WIRE MESH AND/OR STEEL REINFORCING IS TO BE SUPPORTED DURING CONCRETE PLACEMENT ON CHAIRS OR BALUSTERS AT MID-DEPTH OF SLAB. WIRE MESH AND/OR STEEL REINFORCING IS NOT TO BE PULLED INTO PLACE DURING CONCRETE PLACEMENT.
 - SEE ARCHITECTURAL AND/OR STRUCTURAL PLANS FOR FINISHED FLOOR ELEVATIONS. COORDINATE TOP OF SLAB ELEVATION WITH THICKNESS OF ARCHITECTURAL FINISHED FLOOR PRODUCTS.
 - SEE SECTION 99S2.1 FOR TYPICAL NEW-TO-EXISTING SLAB TRANSITION.
 - SEE SHEET 80.1 FOR GENERAL STRUCTURAL INFORMATION.

CONT. WALL FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F30a	2'-6" x 2'-2" DP.	

- ROOF FRAMING NOTES**
- DESIGN LIVE/SNOW LOADS:
ROOF LIVE: 20 PSF + DRIFT
ROOF SNOW: 22 PSF + DRIFT
WIND (NET UPLIFT): -10 PSF
 - ROOF CONSTRUCTION:
3" x 20 GA DEEP RIB ACOUSTIC METAL DECK. SEE SECTION 49S2.2 FOR TYPICAL ATTACHMENT TO SUPPORTING STRUCTURE.
 - INDICATES ROOF OPENINGS. COORDINATE EXACT SIZE AND LOCATION WITH THE APPROPRIATE TRADE CONTRACTORS. NOT ALL OPENINGS ARE SHOWN ON THE STRUCTURAL DRAWINGS. SEE SECTION 99S2.2 FOR FRAMING OF ALL OPENINGS EQUAL TO OR GREATER THAN 12" SQUARE OR DIAMETER. ADDITIONAL FRAMING IS NOT REQUIRED FOR OPENINGS LESS THAN 12" SQUARE.
 - INDICATES NON-STANDARD JOIST SEAT DEPTH. SEE SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION.
 - INDICATES EXISTING BUILDING CONSTRUCTION BASED ON ORIGINAL BUILDING DRAWINGS AND LIMITED FIELD INVESTIGATION. EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, ETC. ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION OR FABRICATION OF ANY MATERIAL BY CONTRACTOR PERFORMING WORK IN EXISTING AREAS. REPORT ANY DISCREPANCIES TO ARCHITECT IMMEDIATELY. DO NOT REMOVE EXISTING LOAD-BEARING WALLS, COLUMNS, OR ANY SUCH STRUCTURE WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT. WHERE NEW STRUCTURE IS TO BE INSTALLED, PROVIDE SHORING AND BRACING AS REQUIRED TO PROPERLY SUPPORT THE REMAINING STRUCTURE UNTIL THE NEW STRUCTURE IS IN PLACE AND PROPERLY BRACED.
 - INDICATES SIZE OF EXISTING FRAMING.
 - TOP OF STRUCTURAL STEEL, JOIST BEARING, OR TRUSS BEARING ELEVATION NOTED ON PLAN. REFERENCE ELEVATION 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE.
 - SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.
 - ALL JOISTS ARE TO BE DESIGNED FOR NET UPLIFT AS DEFINED IN DESIGN LOADS ABOVE. PROVIDE BRIDGING IN ADDITION TO MINIMUM SJ REQUIREMENTS IF NEEDED.
 - REINFORCE JOISTS AT CONCENTRATED LOADS PER SECTION 69S2.2.
 - SEE SHEET 80.1 FOR GENERAL STRUCTURAL INFORMATION.

- MASONRY WALL NOTES**
- M(6) INDICATES MASONRY BOND BEAM LINTEL PER SECTION 19S2.2. USE STANDARD SCHEDULED BOND BEAM LINTELS FOR ALL EXPOSED ARCHITECTURAL OPENINGS IN NON-CONCRETE MASONRY WALLS UNLESS NOTED OTHERWISE.
 - V(6) INDICATES VENEER LINTEL PER SECTION 29S2.2. USE STANDARD SCHEDULED VENEER LINTELS FOR ALL OPENINGS IN BRICK OR MASONRY VENEERS UNLESS NOTED OTHERWISE.
 - W(6) INDICATES MASONRY WALL REINFORCING TYPE PER SCHEDULE. ALL REINFORCING IS TO RUN FULL HEIGHT OF WALL UNLESS NOTED OTHERWISE. WHERE SPACING OF VERTICAL REINFORCING IS INTERRUPTED BY OPENING IN WALL, WINDOW, LINCOLN, ETC., PROVIDE ONE FULL-HEIGHT REINFORCING BAR AT EACH JAMB FOR EACH 4'-0" OF OPENING WIDTH. SEE SCHEDULE ON SHEET 80.1 FOR LENGTH OF LAP SPICES.
 - NOT ALL LINTELS ARE SHOWN ON THESE PLANS. SEE ARCHITECTURAL DRAWINGS FOR LOCATION, WIDTH, HEIGHT, AND ELEVATION OF ALL EXPOSED OPENINGS. COORDINATE LOCATION, WIDTH, HEIGHT, AND ELEVATION OF ALL CONCEALED OPENINGS WITH APPROPRIATE TRADE CONTRACTOR. LINTELS SHOWN OR SEEN FROM CENTERLINE OF WALL TYPICALLY INDICATE OPENINGS FOR MECHANICAL, ELECTRICAL, PLUMBING, AND/OR TECHNOLOGY WORK.
 - LINTELS ARE NOT REQUIRED FOR OPENINGS IN CMU WALLS LESS THAN 16" WIDE AND IN BRICK VENEERS LESS THAN 8" WIDE. MASONRY CONTRACTORS TO COORDINATE ALL OPENING REQUIREMENTS WITH APPROPRIATE TRADE CONTRACTOR.
 - SEE ELEVATION 49S2.2 FOR TYPICAL REINFORCED MASONRY WALL CONSTRUCTION. PROVIDE CORNER BARS AT ALL MASONRY BOND BEAM INTERSECTIONS PER DETAIL 39S2.2.
 - PROVIDE CONTROL JOINTS IN ALL MASONRY WALLS AT A SPACING NOT TO EXCEED THREE TIMES THE WALL HEIGHT OR 48 FEET ON CENTER, WHICHEVER IS SMALLER. IN ADDITION, PROVIDE CONTROL JOINTS AT THE ENDS OF LINTELS, CHANGES IN WALL HEIGHT, CHANGES IN WALL THICKNESS, WITHIN 2 FEET OF WALL CORNERS AND INTERSECTIONS, TRANSITIONS FROM INTERIOR WALL TO EXTERIOR WALL AND TRANSITIONS FROM WALL BEARING ON FOUNDATION TO WALL BEARING ON FLOOR SLAB.
 - SEE SHEET 80.1 FOR GENERAL STRUCTURAL INFORMATION.

MASONRY WALL REINFORCING SCHEDULE		
MARK	VERTICAL REINFORCING	REMARKS
W632	#6 @ 32" O.C.	-
W634	#6 @ 24" O.C.	-

- MASONRY WALL REINFORCING SCHEDULE NOTES:**
- ALL BARS TO BE CENTERED IN CELL UNLESS NOTED IN SCHEDULE. COORDINATE POSITION WITH STRUCTURAL DETAILS.
 - PROVIDE ADDITIONAL BARS AT JAMBS OF OPENINGS AS INDICATED IN THE TYPICAL REINFORCED MASONRY WALL ELEVATION. PROVIDE ADDITIONAL BARS AT SPECIFIC LOCATIONS AS INDICATED ON PLAN.
 - LAP ALL BARS PER STANDARD MASONRY REINFORCING LAP SCHEDULE ON GENERAL STRUCTURAL SHEETS.



FT LORAMIE ELEMENTARY SCHOOL RENOVATION

BUILDING ADDITION

Project Address

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	12/11/2025
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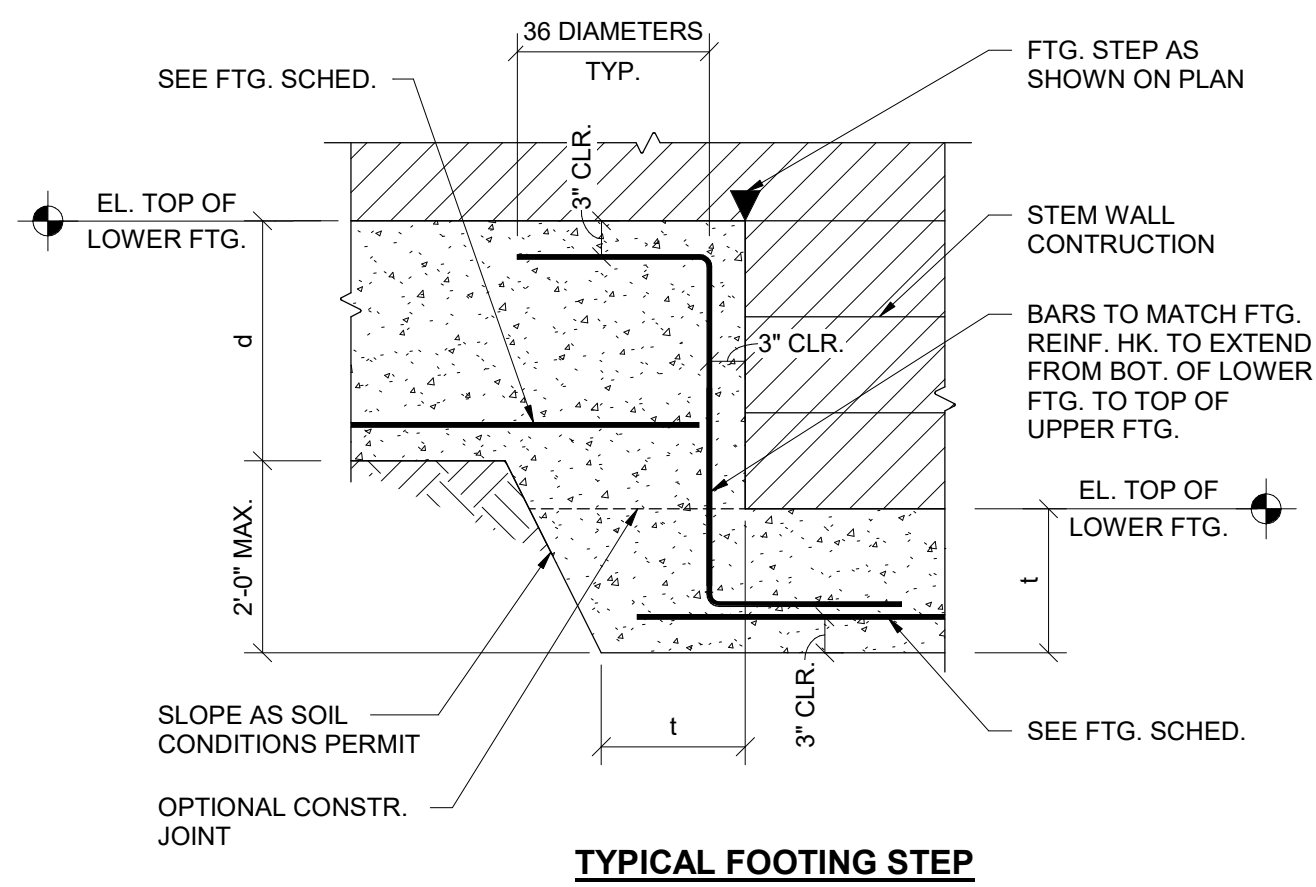
PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25041.00	JPK (R25)	SNF

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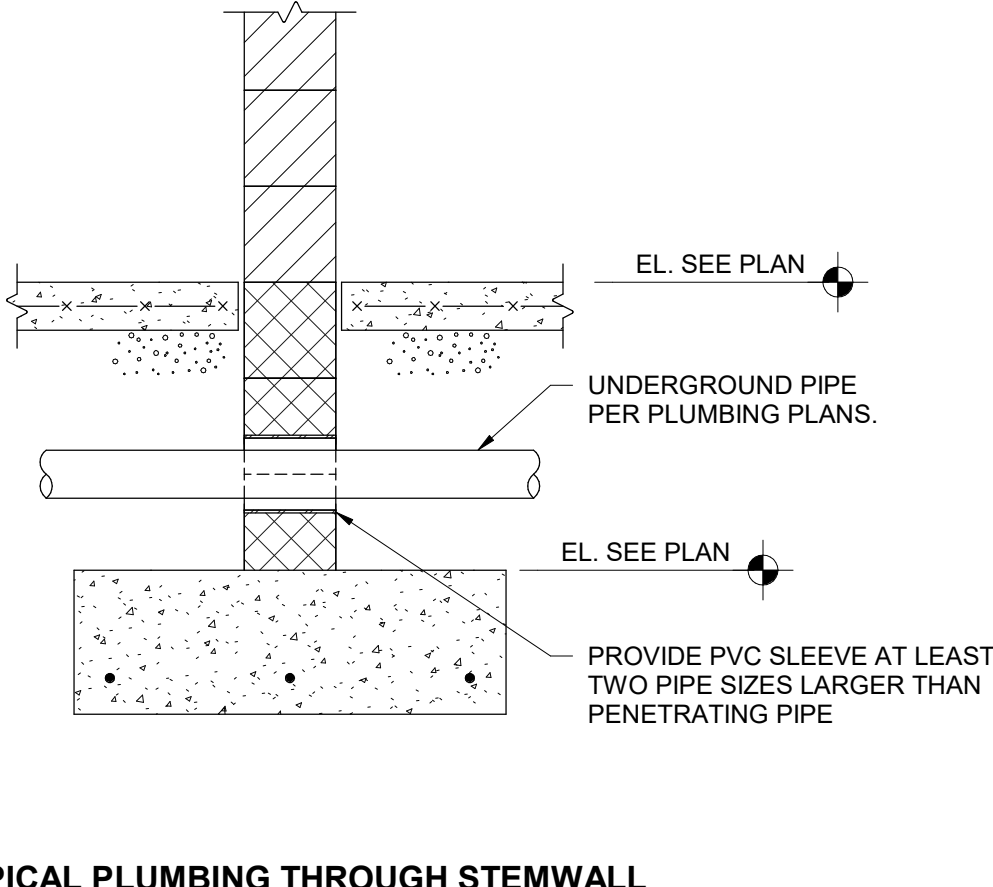
STRUCTURAL PLANS

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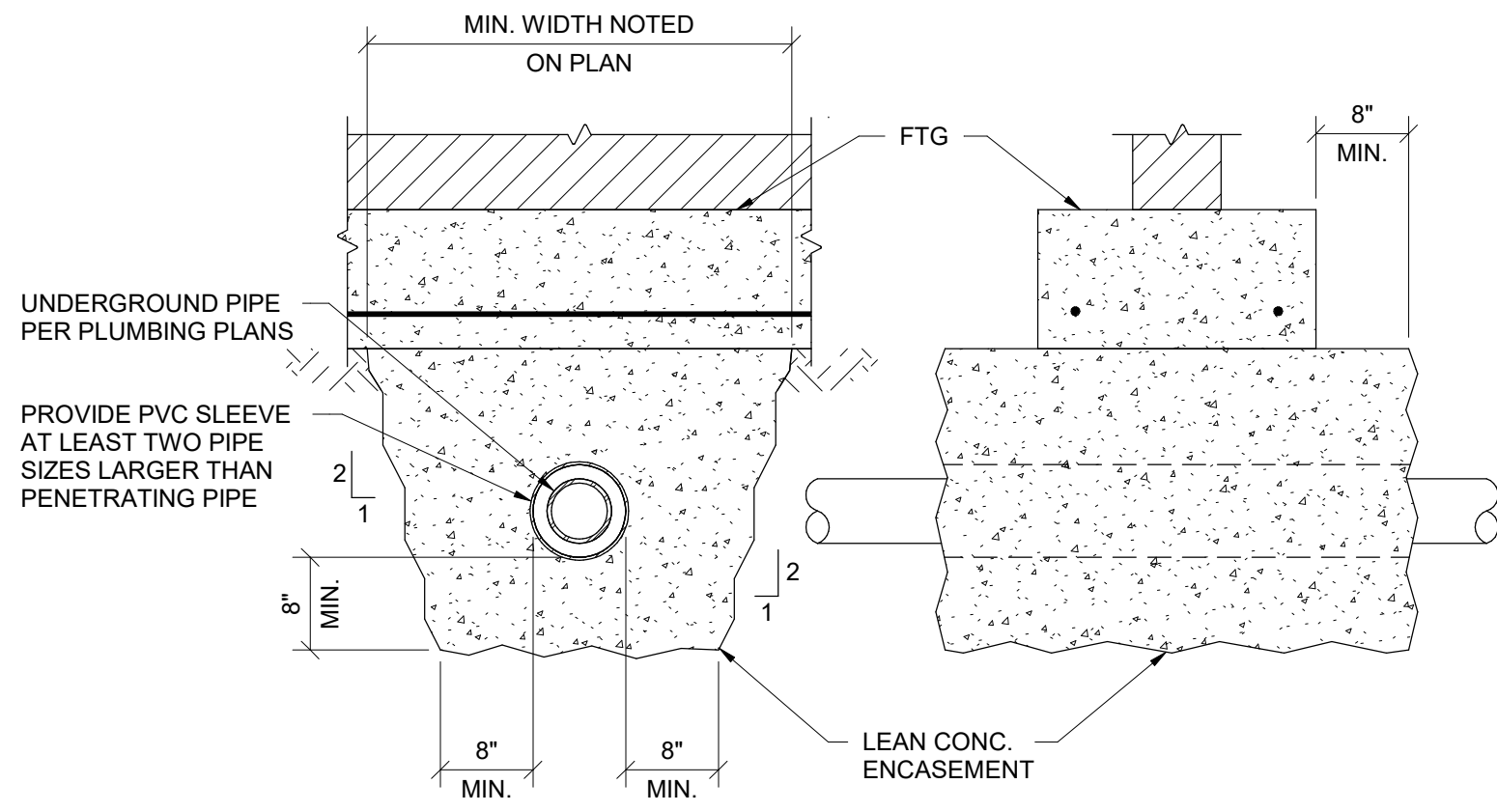
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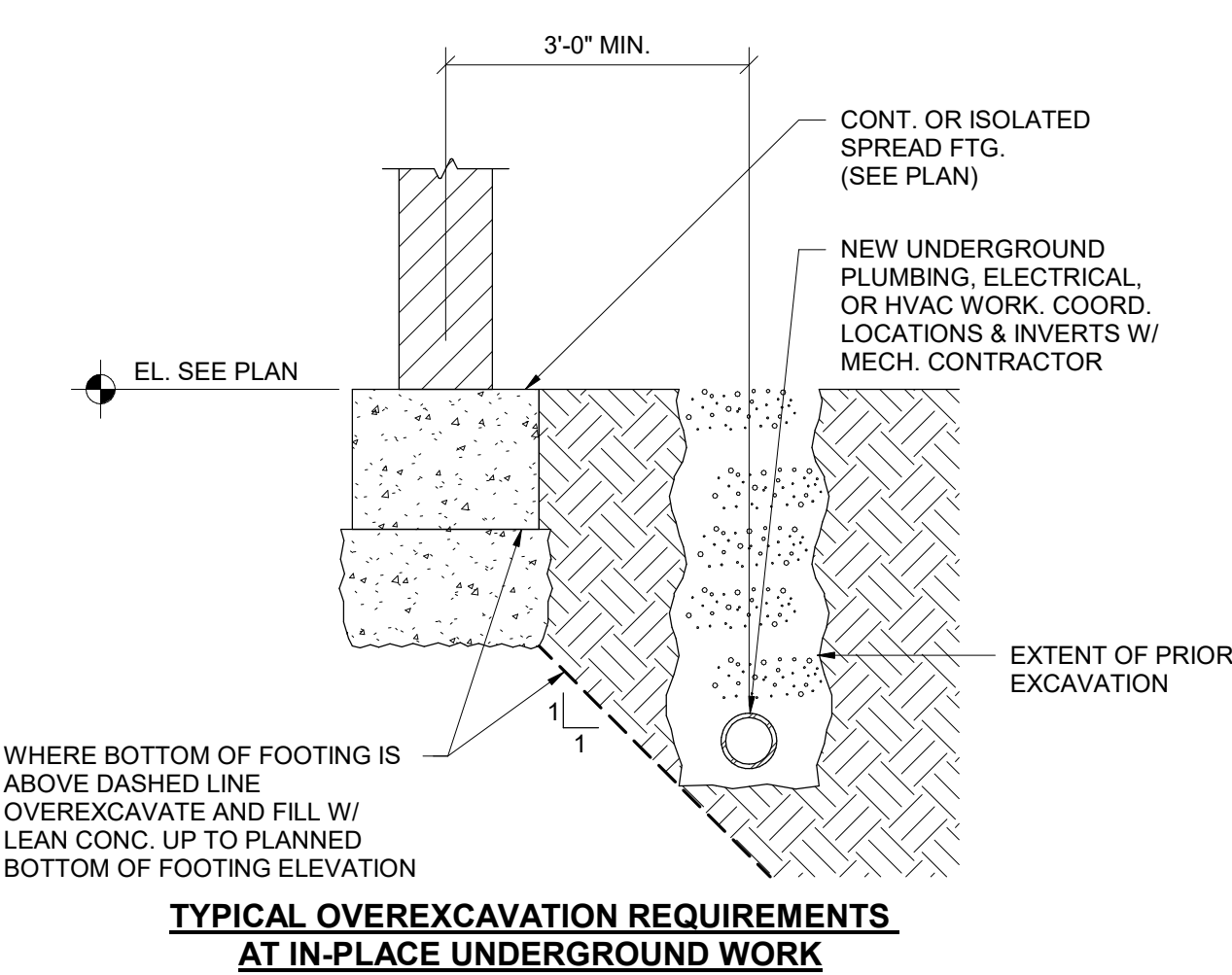
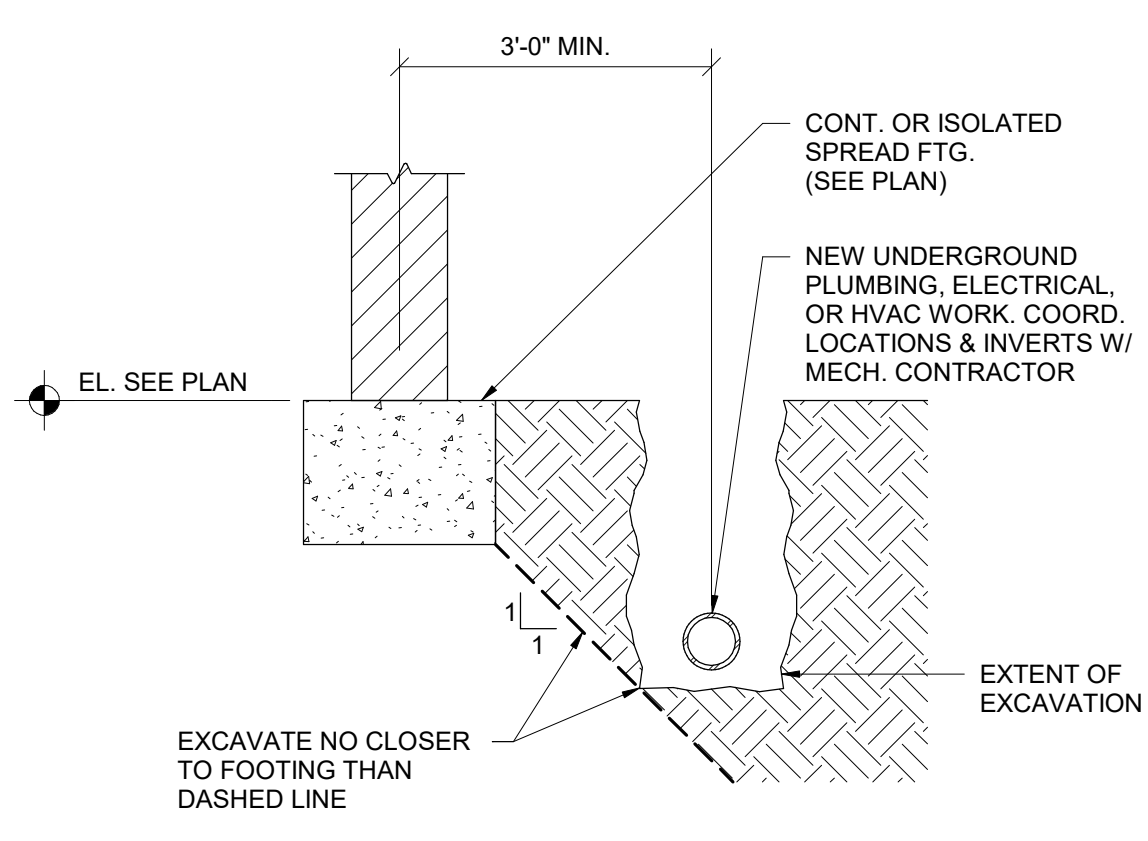
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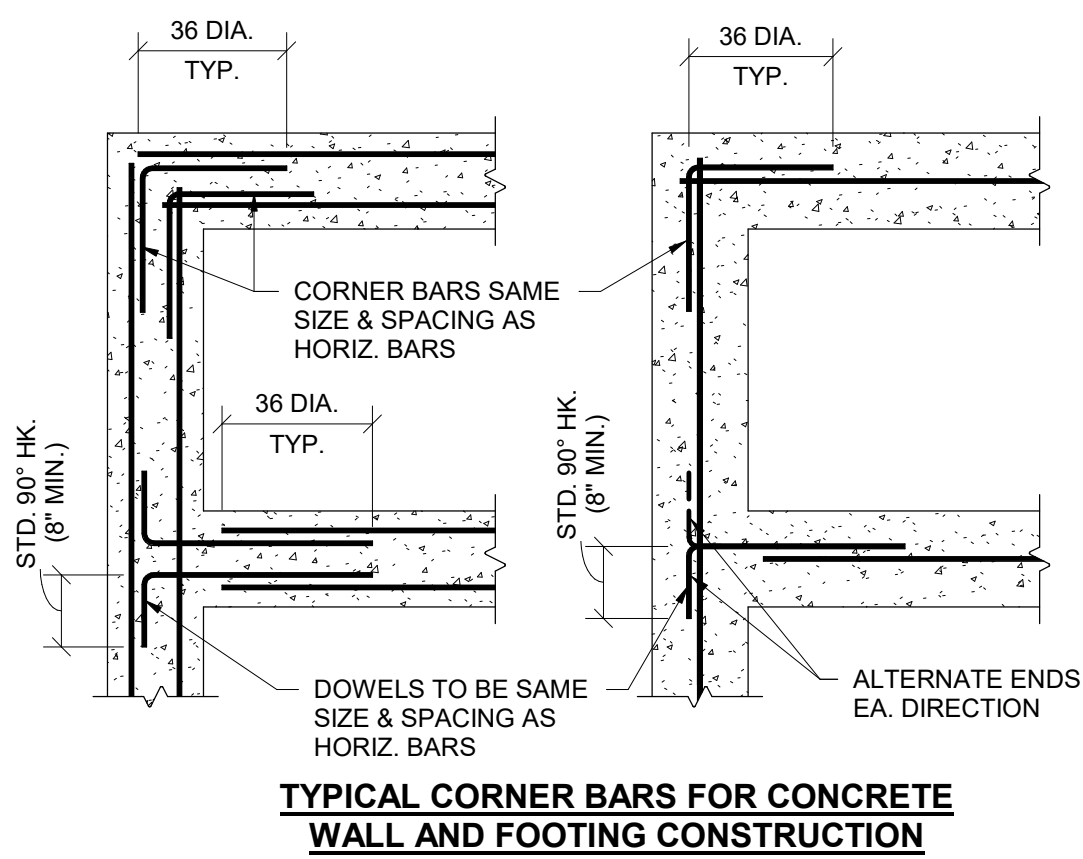
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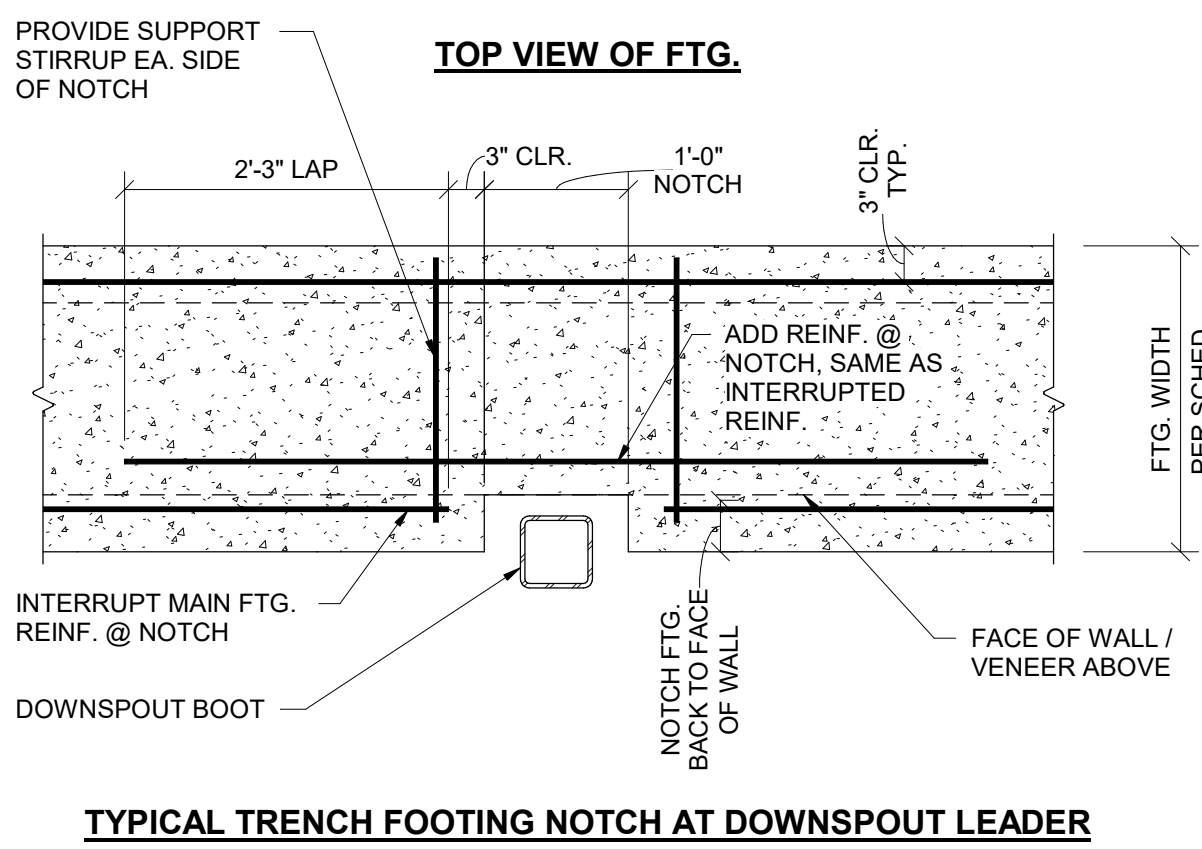
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3/4" = 1'-0"



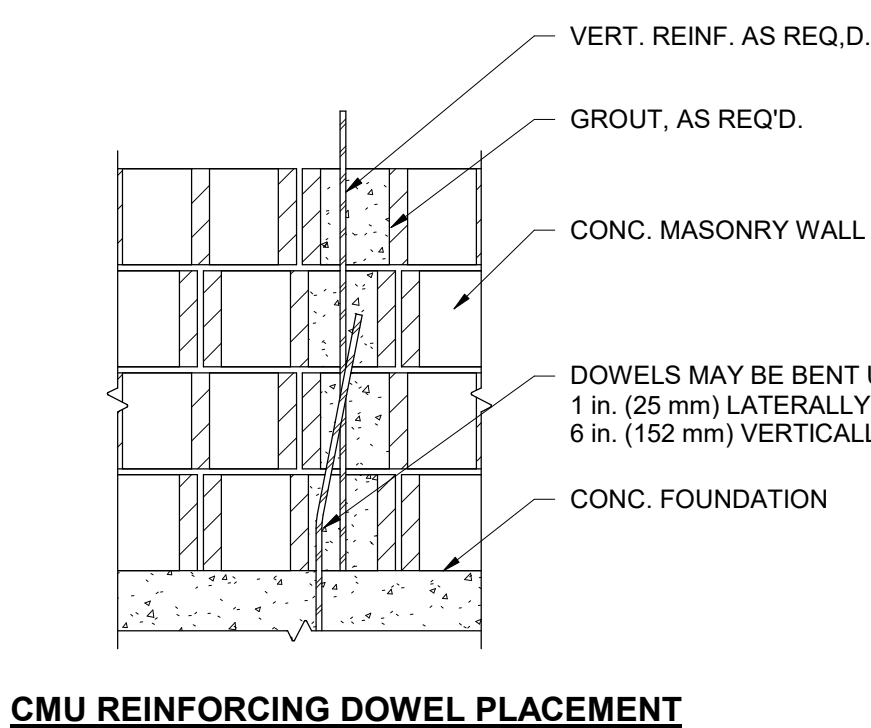
SECTION 4
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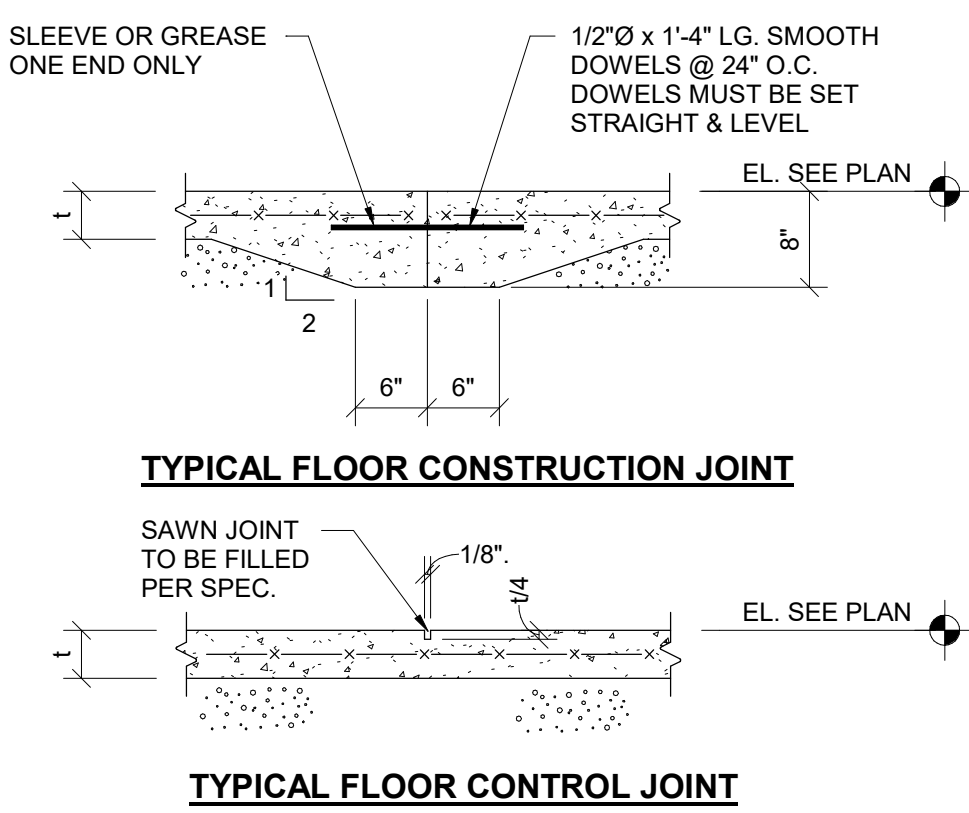
SECTION 5
3/4" = 1'-0"



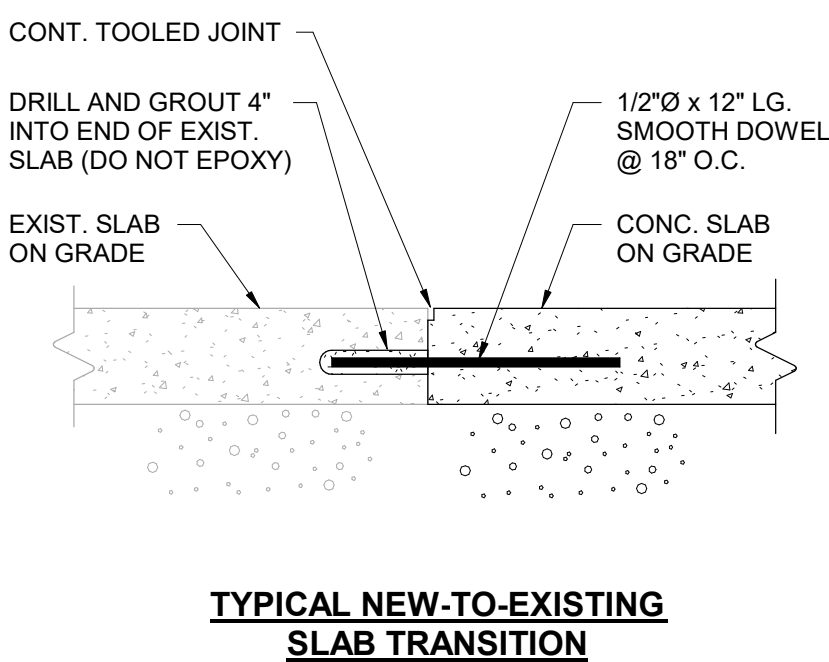
SECTION 6
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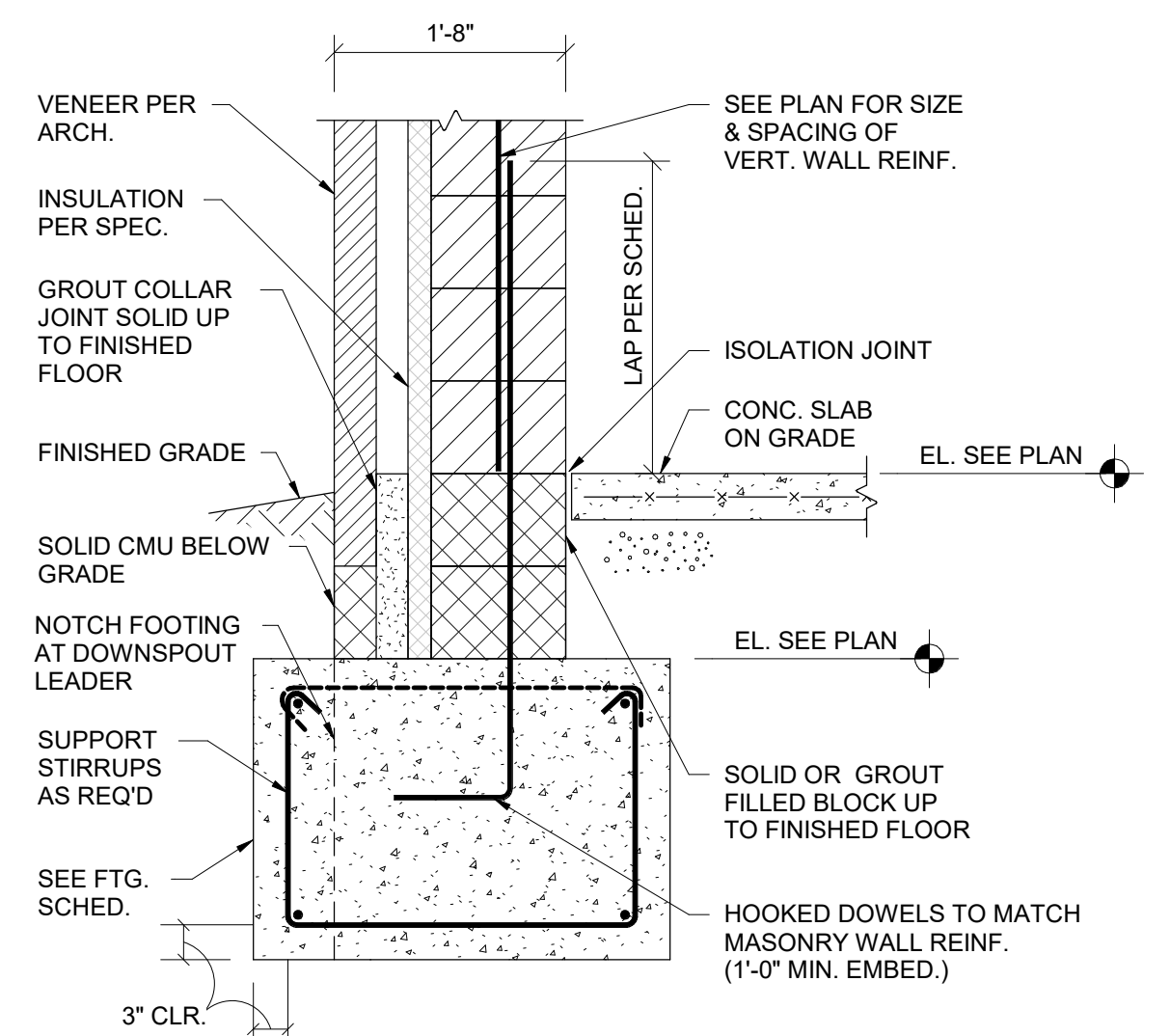
SECTION 7
3/4" = 1'-0"



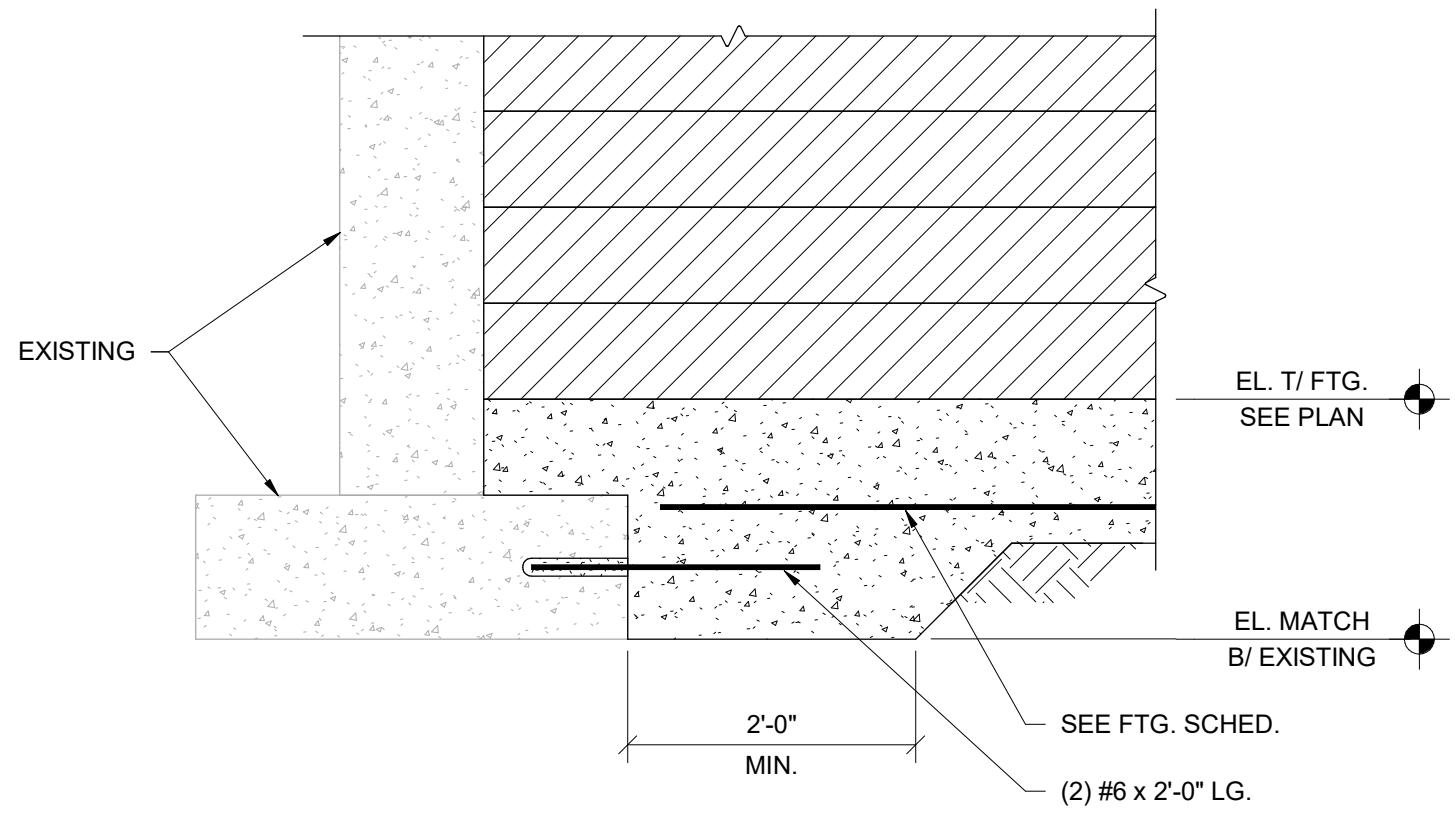
SECTION 8
3/4" = 1'-0"



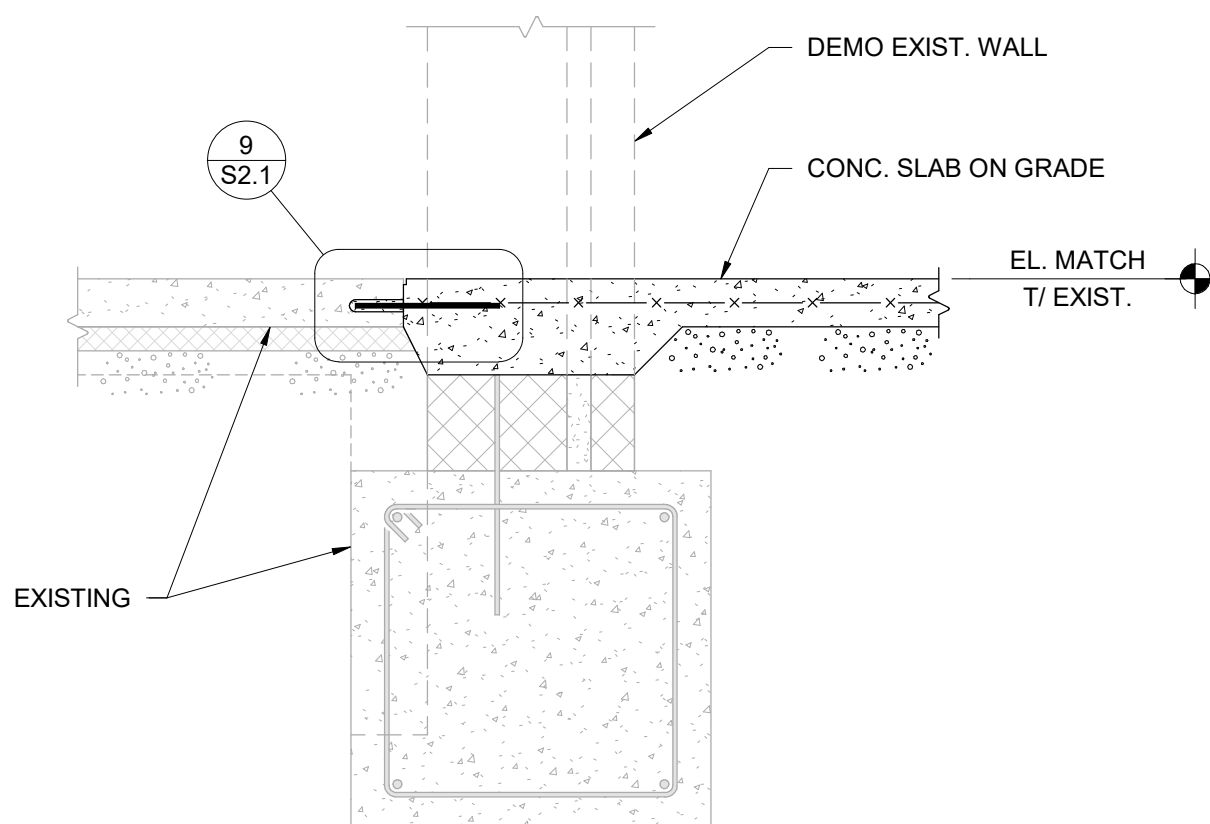
SECTION 9
1 1/2" = 1'-0"



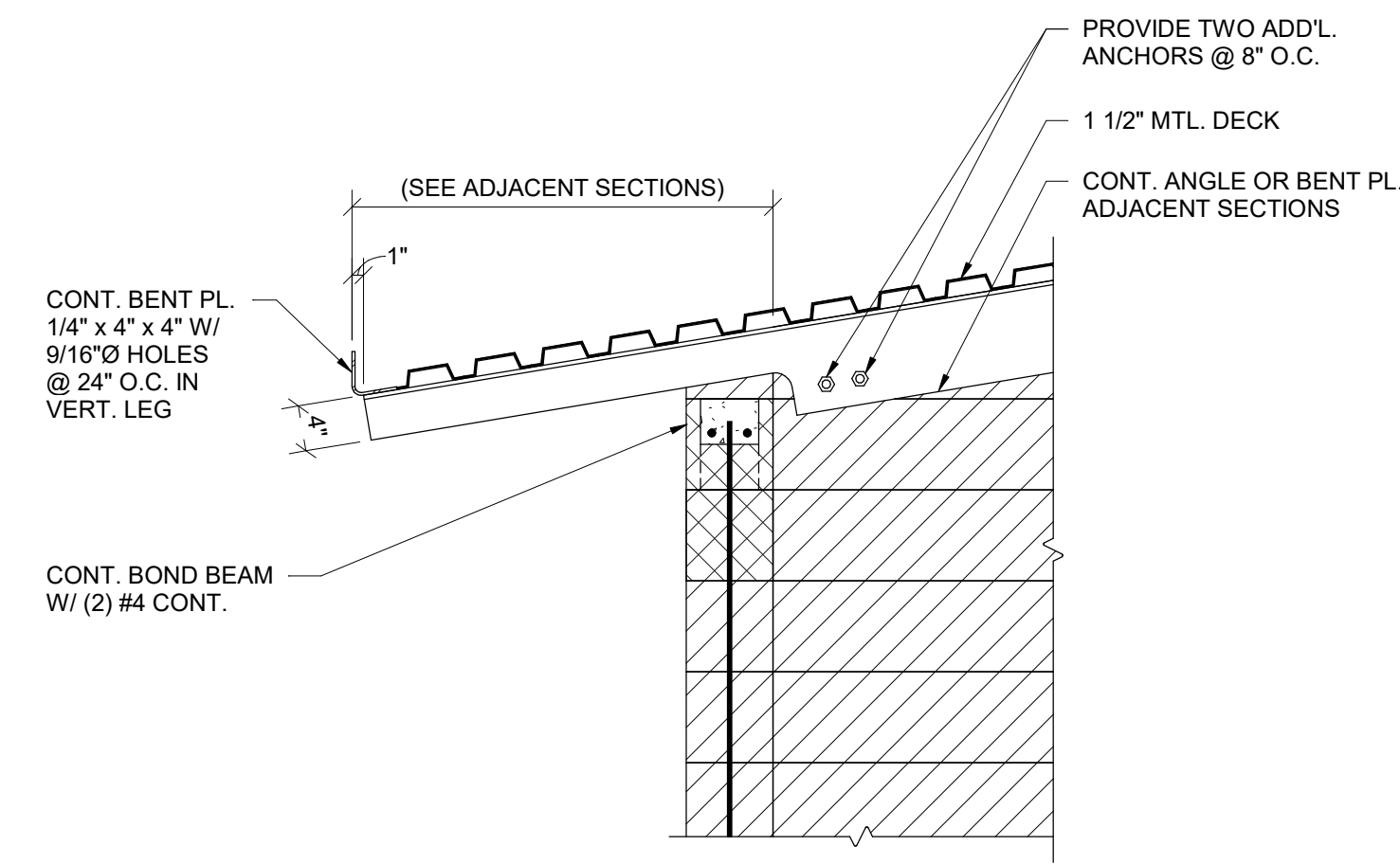
SECTION 10
3/4" = 1'-0"



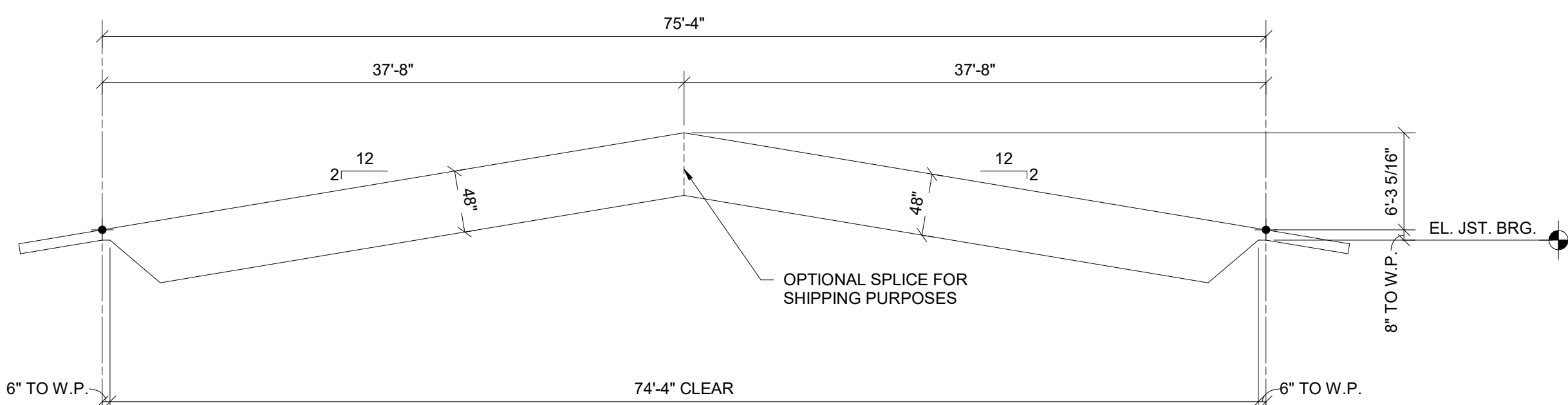
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3/4" = 1'-0"



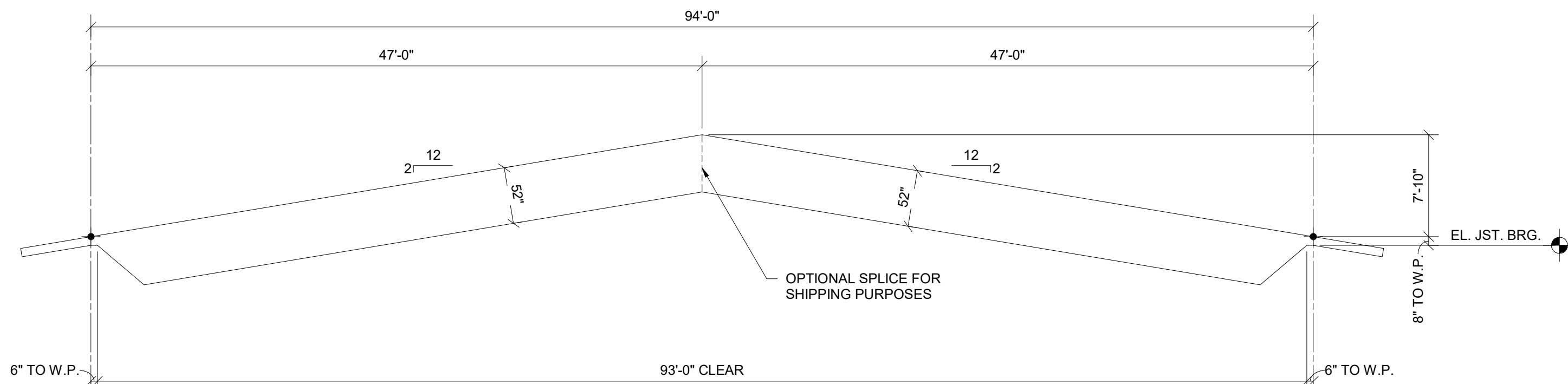
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3/4" = 1'-0"



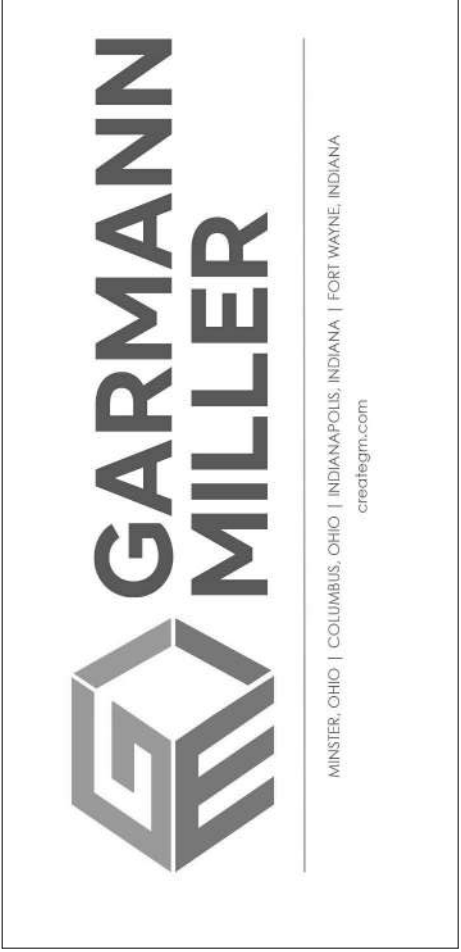
SECTION 13
3/4" = 1'-0"



48DLH SP (500/250)



52DLH SP (500/250)



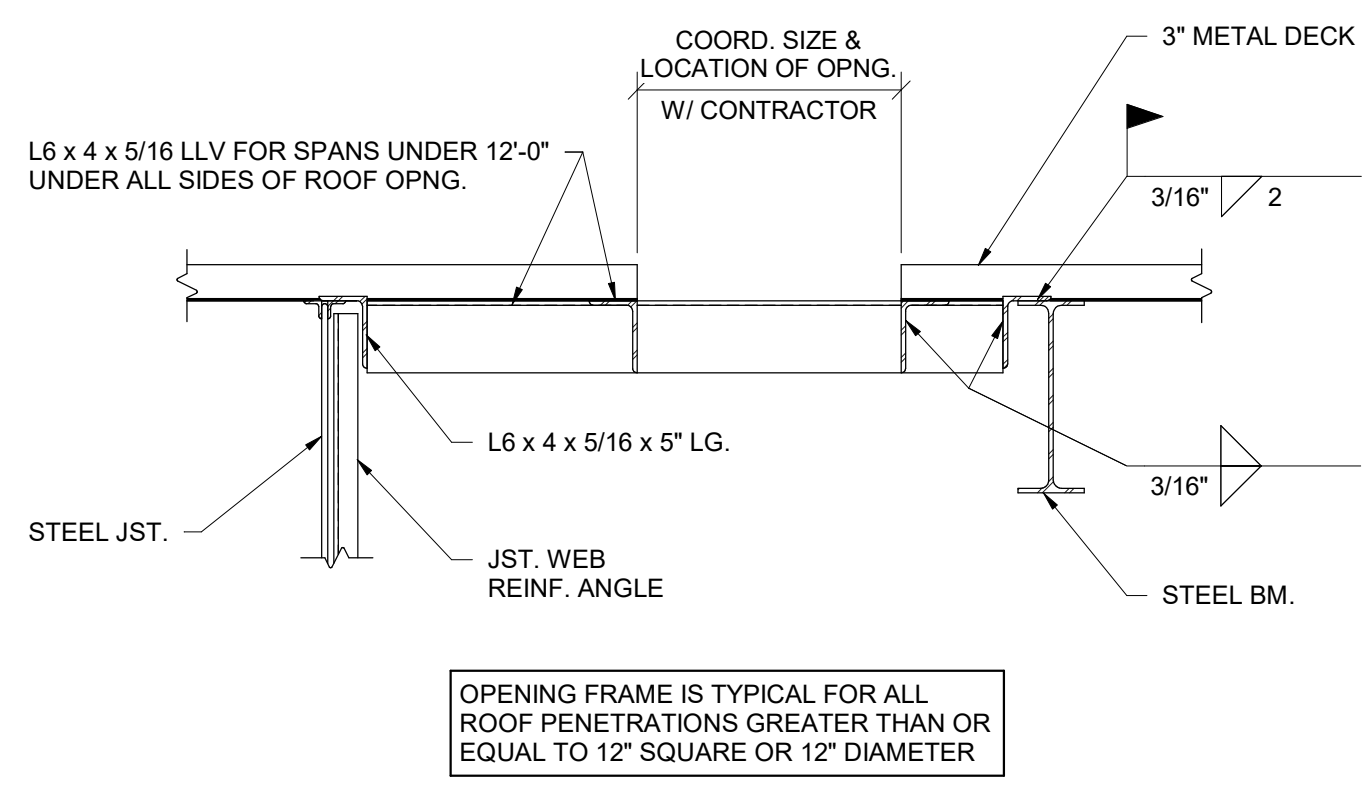
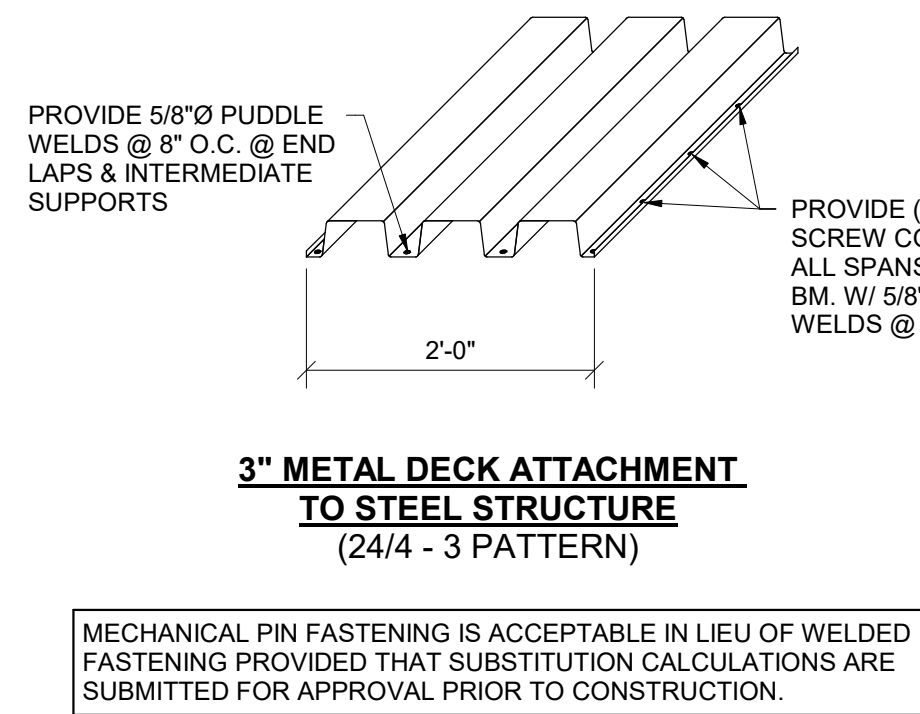
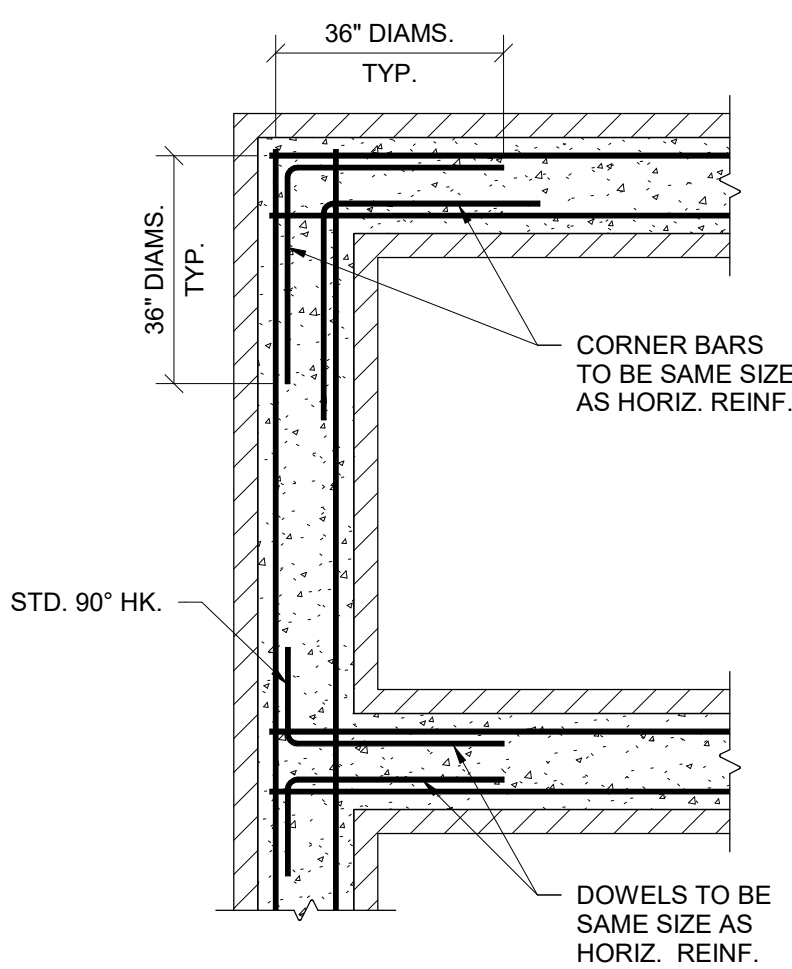
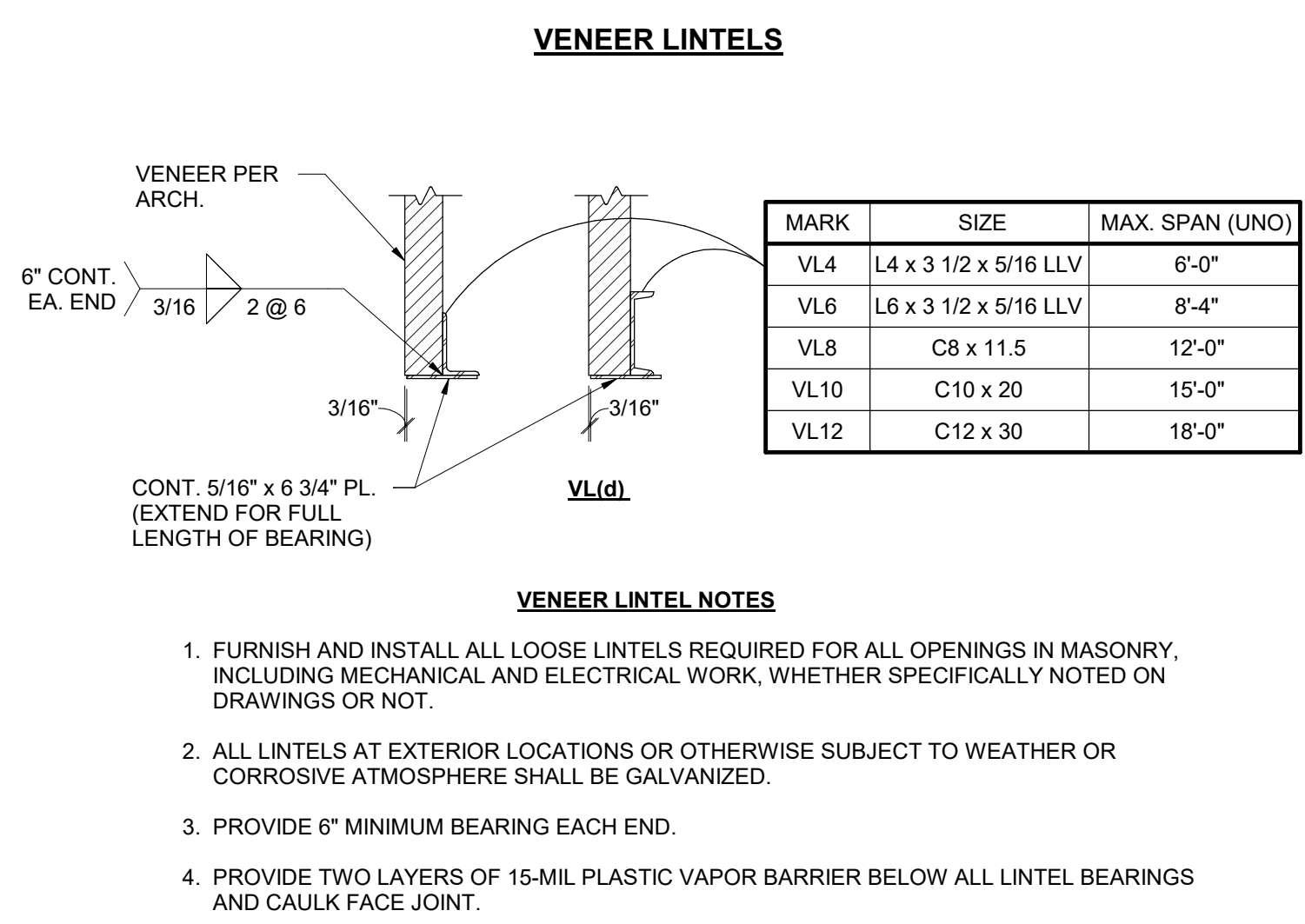
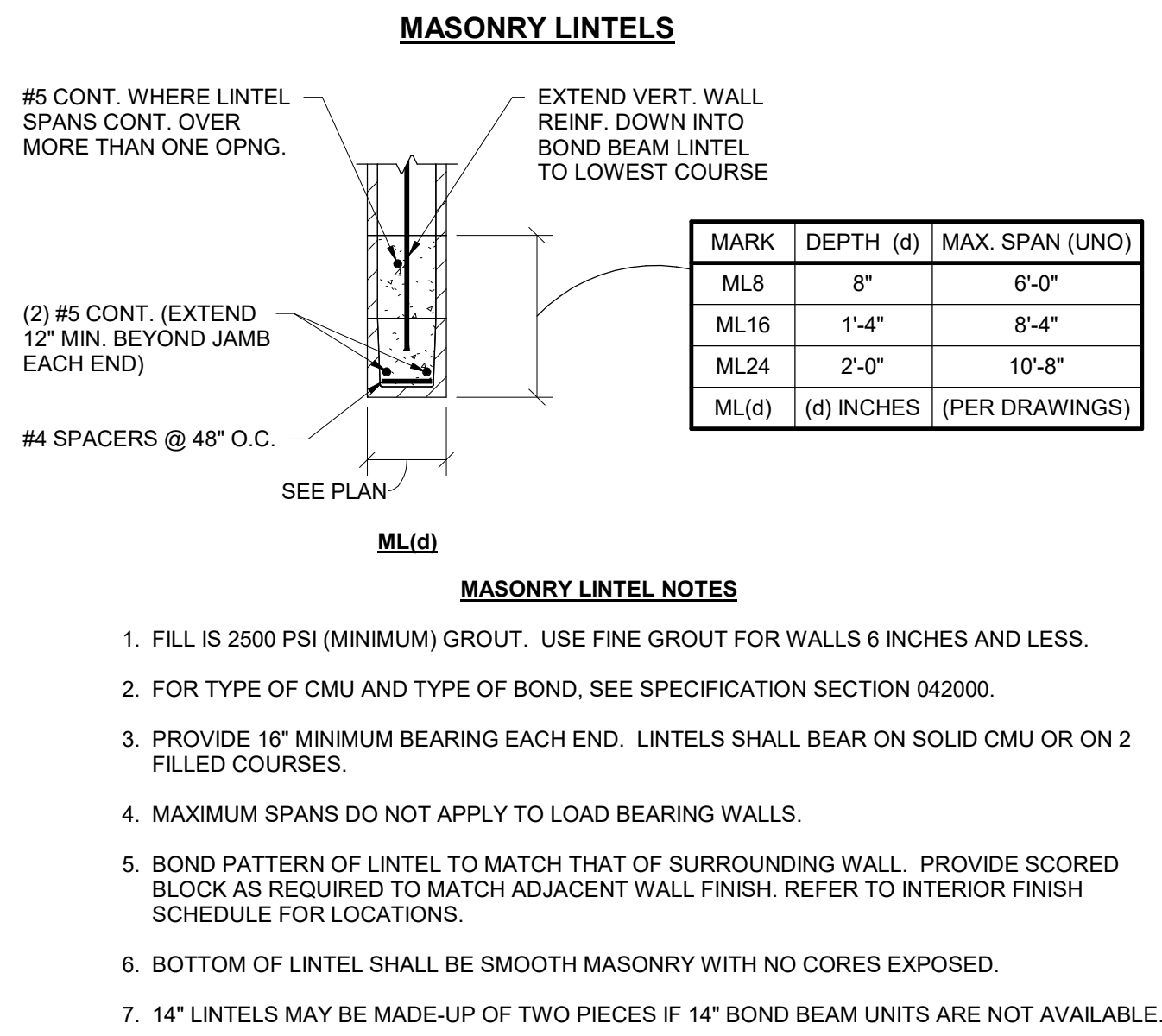
BUILDING ADDITION
**FT LORAMIE ELEMENTARY SCHOOL
RENOVATION**
Project Address

ISSUANCES/REVISIONS		
CONSTRUCTION DOCUMENTS	12/11/2025	

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25041.00	JKP (R25)	SNF

SHEET TITLE:
**STRUCTURAL
DETAILS**

SHEET NUMBER:
S2.1



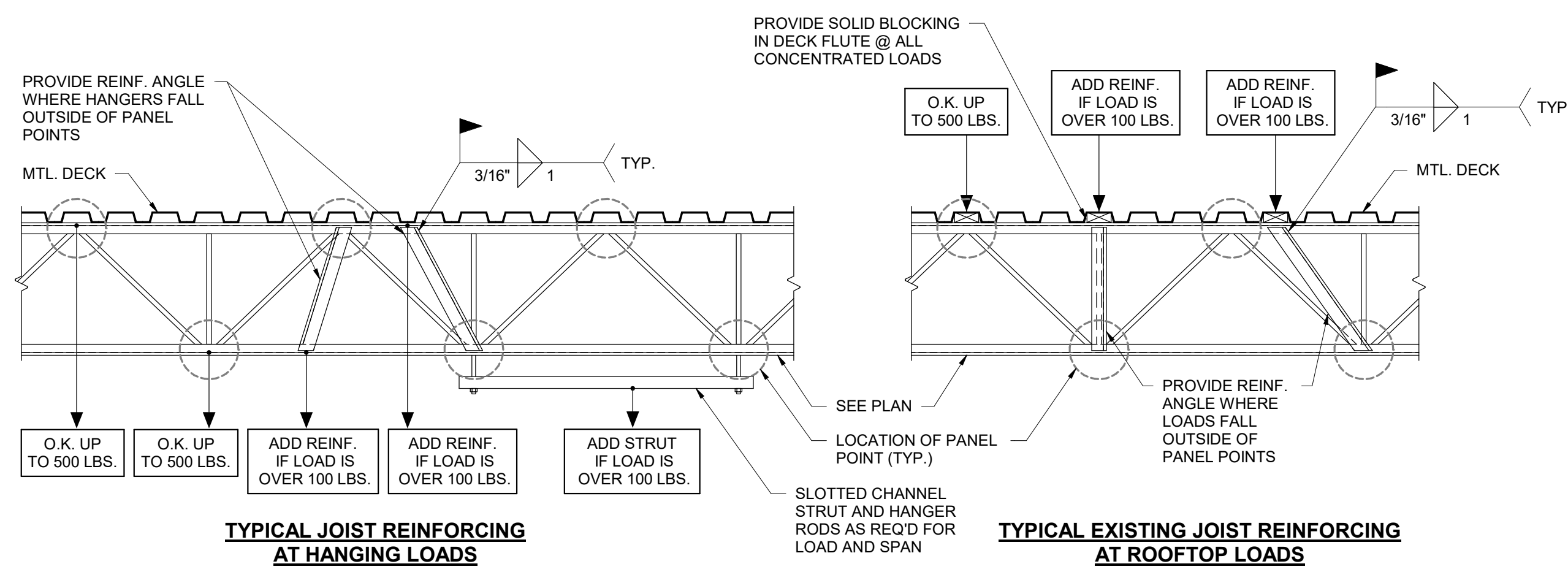
SECTION 1
3/4" = 1'-0"

SECTION 2
3/4" = 1'-0"

SECTION 3
3/4" = 1'-0"

SECTION 4
3/4" = 1'-0"

SECTION 5
3/4" = 1'-0"

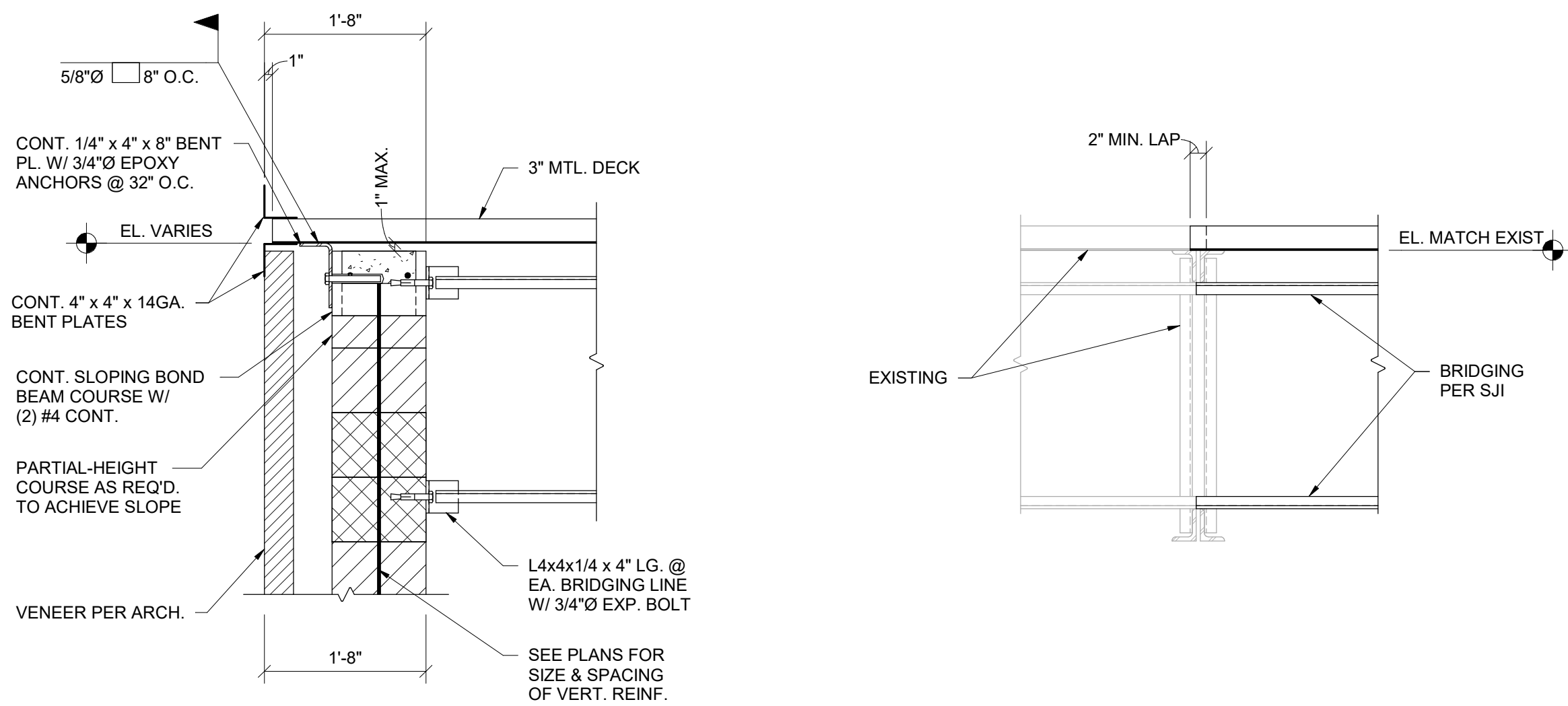


- JOIST REINFORCING NOTES**
- REINFORCING IS TYPICAL FOR ALL JOISTS SUPPORTING LOAD IN EXCESS OF 100 LBS. BETWEEN TOP OR BOTTOM CHORD PANEL POINTS. MAXIMUM CONCENTRATED LOAD BETWEEN PANEL POINTS SHALL NOT EXCEED 500 LBS.
 - IT IS THE MECHANICAL CONTRACTOR'S SOLE RESPONSIBILITY TO CALCULATE HANGER LOADS ON A CASE-BY-CASE BASIS AND INFORM THE GENERAL CONTRACTOR WHERE JOIST REINFORCEMENT IS REQUIRED.
 - REINFORCING ANGLE IS ONLY REQUIRED ON THE SIDE OF THE JOIST WHERE THE HANGER CLIP HARDWARE IS INSTALLED. FOR ROOFTOP LOADS, THE REINFORCING ANGLE MAY BE INSTALLED ON EITHER SIDE OF THE JOIST.
 - SIZE OF REINFORCING ANGLE IS AS FOLLOWS:
- | JOIST DEPTH | ANGLE SIZE |
|---------------|-----------------------|
| LESS THAN 24" | L1 1/4 x 1 1/4 x 3/16 |
| 24" TO 48" | L2 2 x 3/16 |
| 48" TO 72" | L3 3 x 1/4 |

SECTION 6
3/4" = 1'-0"

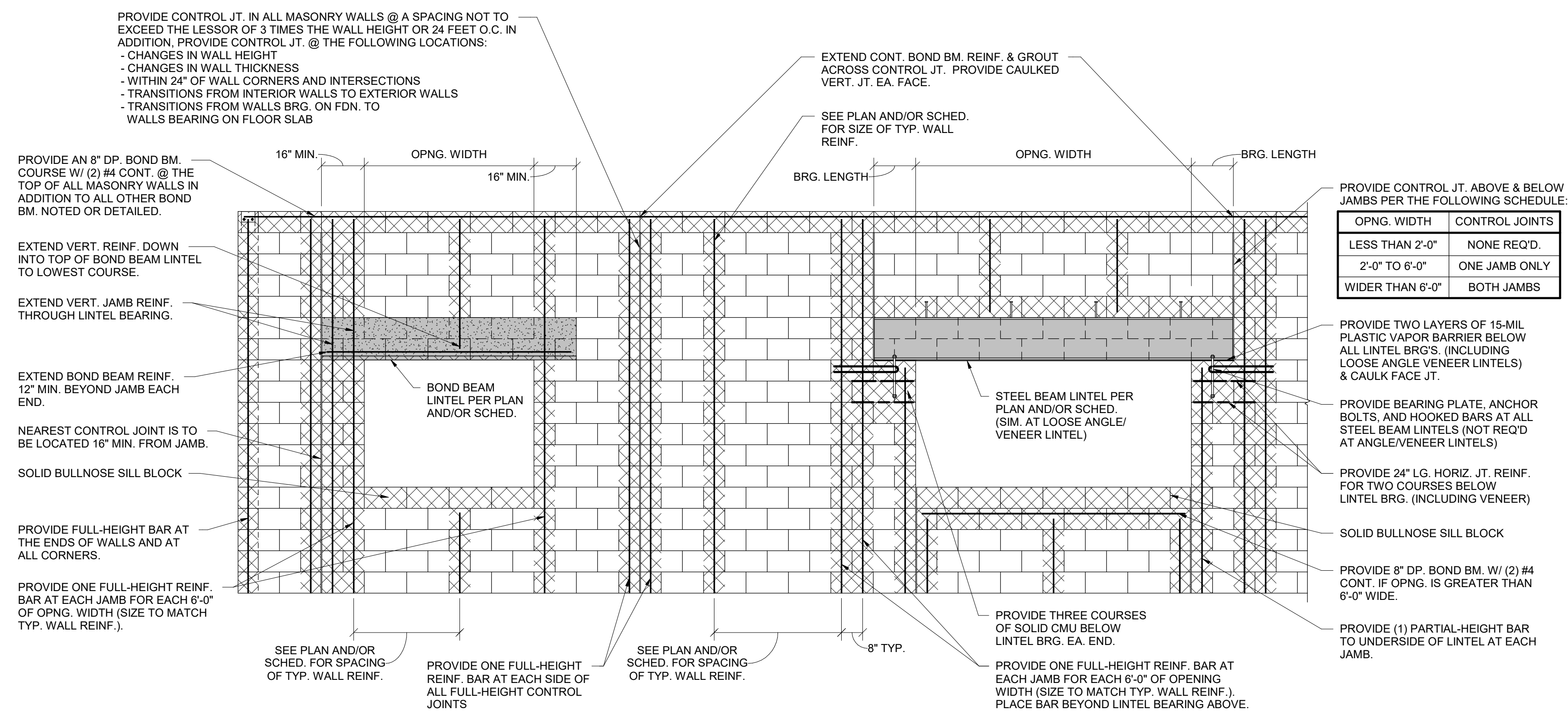
SECTION 7
3/4" = 1'-0"

SECTION 8
3/4" = 1'-0"



SECTION 9
3/4" = 1'-0"

SECTION 10
3/4" = 1'-0"



ELEVATION A
3/8" = 1'-0"

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FT LORAMIE ELEMENTARY SCHOOL RENOVATION

BUILDING ADDITION

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ISSUANCES/REVISIONS

NO.	DESCRIPTION	DATE
1	CONSTRUCTION DOCUMENTS	12/11/2025

PROJECT NUMBER: **25041.00**

DRAWN BY: **JKP (R25)**

CHECKED BY: **SNF**

SHEET TITLE:

STRUCTURAL DETAILS



SHEET NUMBER:

S2.2

- NOTE: ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW.	
A	AMPS, AMPERE, AMPERAGE
A/V	AUDIO/VISUAL
AC	ABOVE COUNTER
AC	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
ATF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CURRENT
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
B	
BKR	BREAKER
BTM	BOTTOM
C	
C	CONDUIT
CB	CIRCUIT BREAKER
CCT	CORRELATED COLOR TEMPERATURE
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CRI	COLOR RENDERING INDEX
CU	COPPER
D	
DC	DIRECT CURRENT
DIA	DIAMETER
E	
EC	ELECTRICAL CONTRACTOR
EMT	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EX	EXISTING
F	
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FDR	FEEDER
FLA	FULL LOAD AMPS
FUT	FUTURE
G	
GEN	GENERATOR
GF	GROUND FAULT CIRCUIT INTERRUPTER
GFP OR GFPE	GROUND FAULT PROTECTION OF EQUIPMENT
GND	GROUND
H	
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
HT	HEIGHT
I	
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IG	ISOLATED GROUND
K	
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPS
L	
LOC	LOCATION
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND FAULT PROTECTION
M	
MA	MILLIAMPS
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MH	MOUNTING HEIGHT
MIN	MINIMUM
MNTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
N	
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEUT	NEUTRAL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O	
OH	OVERHEAD
P	
P	POLE
PA	PUBLIC ADDRESS
PC	PHOTOCCELL
PH	PHASE
PVC	POLYVINYL CHLORIDE
R	
RGS	RIGID GALVANIZED STEEL
S	
SPD	SURGE PROTECTION DEVICE
SW	SWITCH
T	
TEMP	TEMPORARY
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
U	
UG	UNDERGROUND
UL	UNDERWRITERS' LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	
V	VOLTS, VOLTAGE
VFD	VARIABLE FREQUENCY DRIVE
W	
W	WIRE
WG	WIRE GUARD
WP	WEATHER PROOF
X	
XFMR	TRANSFORMER

ABBREVIATIONS

GENERAL DRAWINGS SYMBOLS
KEYED NOTE REFERENCE
REVISION NUMBER - SHOWN ON PLANS
CONTINUATION SYMBOL
NUMBER OF DETAIL ON SHEET
DRAWING NUMBER WHERE DETAIL APPEARS

DEMOLITION (IF APPLICABLE)		
SYMBOL	DESCRIPTION	NOTES
	DASHED SYMBOL INDICATES EXISTING DEVICE OR EQUIPMENT TO BE REMOVED.	REFER TO DEMOLITION PLANS
	SOLID SYMBOL, LIGHTER IN COLOR INDICATES EXISTING DEVICE OR EQUIPMENT TO REMAIN.	FOR ADDITIONAL INFORMATION

SYMBOL	DESCRIPTION	NOTES
	DASHED SYMBOL INDICATES EXISTING DEVICE OR EQUIPMENT TO BE REMOVED.	REFER TO DEMOLITION PLANS FOR ADDITIONAL INFORMATION
	SOLID SYMBOL, LIGHTER IN COLOR INDICATES EXISTING DEVICE OR EQUIPMENT TO REMAIN.	

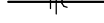
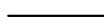





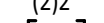



Diagram illustrating a single-phase circuit configuration. The circuit consists of a horizontal line representing the conductors. Above the line, three labels with arrows point to the conductors: "PHASE CONDUCTOR(S)", "NEUTRAL CONDUCTOR(S)", and "GROUND CONDUCTOR(S)". Below the line, a label "ALL CONDUCTORS 12 AWG, UNLESS OTHERWISE NOTED" points to the conductors. To the left of the line, a label "CIRCUIT NO. DESIGNATION" points to a curved line segment, and a label "PANEL DESIGNATION" points to a curved line segment. A label "AL1-1,3,5" points to a curved line segment on the left side of the diagram.



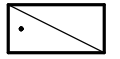




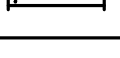



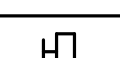











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















1. 12 AWG IS MIN. CONDUCTOR SIZE, EXCEPT AS NOTED.
2. 1/2" CONDUIT IS MIN. SIZE, EXCEPT AS CAPACITY PERMITTING 3/4 VOLT CONTROL CONDUCTOR.
3. PROVIDE DEDICATED NEUTRALS.



































Logo for "KEY TO ELECTRICAL CIRCUIT WIRING" featuring a stylized "1" inside a circle, with the text "KEY TO ELECTRICAL CIRCUIT WIRING" and "NYS" below it.















KEY TO ELECTRICAL CIRCUIT WIRING
NYS
























CIRCUIT AND RACEWAY SYMBOLS	
SYMBOL	DESCRIPTION
	TICK MARKS DENOTING CONDUCTOR IDENTIFICATION. REFER TO 'KEY TO ELECTRICAL CIRCUIT WIRING' DETAIL FOR MORE INFORMATION.
	CIRCUIT CONCEALED IN CEILING, WALL, OR FLOOR OF NEW CONSTRUCTION. CONCEALED WHEREVER POSSIBLE IN AREAS OF OPEN STRUCTURE OR EXISTING CONSTRUCTION.
	INDICATES CONCEALED CONDUIT UNDERGROUND/UNDERFLOOR
	HOMERUN TO PANEL OR LOCATION NOTED
	SURFACE MOUNT RACEWAY. REFER TO PLANS FOR TYPE.
	DENOTES HORIZONTALLY MOUNTED RACEWAY
	DENOTES VERTICALLY MOUNTED RACEWAY
	CONDUIT SLEEVES ABOVE CEILING FOR TECHNOLOGY CABLING. (H) INDICATES QUANTITY, "H" INDICATES CONDUIT SIZE. REFER TO ARCHITECTURAL SECTIONS FOR CEILING HEIGHTS.
	LADDER TYPE CABLE TRAY. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
	WIRE MESH CABLE TRAY. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
	CONDUIT TURNS















LIGHTING FIXTURE SYMBOLS				
REFER TO LUMINAIRE SCHEDULE FOR ALL FIXTURE TYPES AND ADDITIONAL INFORMATION.				
SYMBOL	DESCRIPTION	MOUNTING		
		LOC.	HT.	
	SOLID HATCH INDICATES LIGHT FIXTURE CONNECTED TO EMERGENCY CIRCUIT. HATCH WILL BE MODIFIED FOR EACH FIXTURE TYPE.	VARIES		
	CAPITAL LETTER INDICATES FIXTURE TYPE LOWERCASE LETTER INDICATES SWITCHING			
	RECESSED MOUNTED LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.			
	SURFACE OR SUSPENDED MOUNT LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.			
	RECESSED MOUNTED DOWNLIGHT LUMINAIRE. DIRECTIONAL ARROW INDICATES AIMABLE FIXTURE TYPE.	CEILING		
	SURFACE MOUNTED DOWNLIGHT LUMINAIRE.			
	PENDANT MOUNT LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.			
	STRIP LIGHT LUMINAIRE.			
	PENDANT MOUNT LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.			
	RECESSED MOUNTED ROUND TYPE LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.			
	RECESSED MOUNTED ROUND TYPE LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.			
	TRACK MOUNTED LUMINAIRES. PROVIDE TRACK LENGTH AND QUANTITY OF FIXTURES AS INDICATED ON PLANS. AIM AS INDICATED ON PLANS.			
	EXTERIOR WALL PACK LUMINAIRE.		REFER TO LUMINAIRE SCHEDULE	
	WALL MOUNTED LUMINAIRE.			
	WALL MOUNTED LUMINAIRE.			
	EMERGENCY BATTERY PACK LUMINAIRE.			
	SINGLE OR DOUBLE (AS INDICATED) EMERGENCY REMOTE HEAD.	WALL		
	WALL MOUNTED EXIT SIGN, ARROWS AND EMERGENCY LIGHTS AS INDICATED. SHADED AREA INDICATES FACE LOCATION(S).			
	CEILING MOUNTED EXIT SIGN, ARROWS AND EMERGENCY LIGHTS AS INDICATED. SHADED AREA INDICATES FACE LOCATION(S).			CEILING
	FLOOD LIGHT LUMINAIRE.			
	LIGHTED BOLLARD	EXTERIOR		VARIES, SEE PLANS
	DECORATIVE POLE TOP AREA LUMINAIRE.			
	POLE MOUNT LUMINAIRE. NUMBER OF HEAD(S)/TYPE(S) AS INDICATED.			









LIGHTING CONTROL SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	
		LOC.	HT.
	SINGLE POLE SWITCH, 20A, 120/277V WITH COVERPLATE.	WALL	44", UNO
	THREE-WAY SWITCH, 20A, 120/277V WITH COVERPLATE.		
	FOUR-WAY SWITCH, 20A, 120/277V WITH COVERPLATE.		
	SINGLE POLE PILOT LIGHT SWITCH, 20A, 120/277V WITH COVERPLATE.		
	KEY OPERATED SINGLE POLE SWITCH, 20A, 120/277V WITH COVERPLATE.		
	KEY OPERATED THREE-WAY SWITCH, 20A, 120/277V WITH COVERPLATE.		
	KEY OPERATED FOUR-WAY SWITCH, 20A, 120/277V WITH COVERPLATE.		
	OCCUPANCY SENSOR SWITCH.		
	OCCUPANCY SENSOR DIMMING SWITCH.		
	NETWORKED LOW VOLTAGE SWITCHES. REFERENCE SPECIFICATIONS AND ASSOCIATED DETAIL FOR TYPES.		
	WALL MOUNTED OCCUPANCY SENSOR.	WALL	96", UNO
	CORNER MOUNTED OCCUPANCY SENSOR.		
	CEILING MOUNTED OCCUPANCY SENSOR. DETECTION AND COVERAGE TYPE AS DETERMINED BY THE MANUFACTURER.	CEILING	SURFACE
	CEILING MOUNTED DAYLIGHT SENSOR.		
	WALL MOUNTED OUTDOOR PHOTOCCELL.	WALL	96", UNO
	LIGHTING CONTROL PANEL. REFERENCE SPECIFICATIONS.	WALL	72" TO TOP














WIRING DEVICE SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	
		LOC.	HT.
	SOLID HATCH INDICATES DEVICE CONNECTED TO EMERGENCY POWER. PROVIDE RED DEVICE WITH COVERPLATE TO MATCH REST OF ROOM.	WALL, UNO	VARIES
	DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE MOUNTED VERTICALLY.		
	DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE. EXTRA LINE INDICATES DEVICE TO BE MOUNTED HORIZONTALLY.	WALL, UNO	16"
	DOUBLE DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COMMON COVERPLATE.		
	SINGLE RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE MOUNTED VERTICALLY.		
	DEAD-FRONT GFCI DEVICE, 20A, 125V, WITH COVERPLATE MOUNTED VERTICALLY.		
	SPECIAL PURPOSE RECEPTACLE WITH COVERPLATE. REFER TO PLANS FOR TYPE.		
	DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE MOUNTED VERTICALLY.		
	DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE. EXTRA LINE INDICATES DEVICE TO BE MOUNTED HORIZONTALLY.	WALL, UNO	44", UNO
	DOUBLE DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COMMON COVERPLATE.		
	SINGLE RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE MOUNTED VERTICALLY.		
	DEAD-FRONT GFCI DEVICE, 20A, 125V, WITH COVERPLATE MOUNTED VERTICALLY.		
	IN FLOOR SINGLE RECEPTACLE. TYPE AS INDICATED ON PLANS.		
	IN FLOOR DUPLEX RECEPTACLE. TYPE AS INDICATED ON PLANS.	FLOOR	VARIES
	IN FLOOR DOUBLE DUPLEX RECEPTACLE. TYPE AS INDICATED ON PLANS.		
	IN FLOOR SPECIAL PURPOSE RECEPTACLE. TYPE AS INDICATED ON PLANS.		
	CEILING MOUNTED SINGLE RECEPTACLE.	CEILING	FLUSH
	CEILING MOUNTED DUPLEX RECEPTACLE.		
	CEILING MOUNTED DOUBLE DUPLEX RECEPTACLE.		
	CEILING MOUNTED SPECIAL PURPOSE RECEPTACLE.		
	PEDestal MOUNTED SINGLE RECEPTACLE.		
	PEDestal MOUNTED DUPLEX RECEPTACLE.	FLOOR	VARIES
	PEDestal MOUNTED DOUBLE DUPLEX RECEPTACLE.		
	PEDestal MOUNTED SPECIAL PURPOSE RECEPTACLE.		
	"X" INDICATES RECEPTACLE TYPE OTHER THAN STANDARD (NO DESIGNATOR INDICATES STANDARD POWER DEVICE GFI = GFCI RATED GFT = GFCI RATED AND TAMPER RESISTANT TR = TAMPER RESISTANT IG = ISOLATED GROUND U = USB CHARGING PORTS SR = SOUND REINFORCEMENT IFP = INTERACTIVE FLAT PANEL VID = VIDEO OUTLET VP = VIDEO PROJECTOR WC = WATER COOLER WF = WASH FOUNTAIN WP = WEATHER-PROOF AND GFCI RATED (METAL IN-USE COVERPLATE) MW = MICROWAVE - COORDINATE WITH CASEWORK INSTALLER.		
	FLOOR BOX WITH (2) NEMA 5-20R RECEPTACLES. UNO, "X" INDICATES TYPE. REFER TO SPECIFICATIONS. PROVIDE PROPER COVER FOR THE ASSOCIATED FLOOR TYPE. COORDINATE WITH FLOOR INSTALLER.		
	POKE-THRU WITH TWO (2) NEMA 5-20R RECEPTACLES. UNO, "X" INDICATES TYPE. REFER TO SPECIFICATIONS. PROVIDE PROPER COVER FOR THE ASSOCIATED FLOOR TYPE. COORDINATE WITH FLOOR INSTALLER.	FLOOR	VARIES
	JUNCTION BOX OR EQUIPMENT CONNECTION.		
	JUNCTION BOX OR EQUIPMENT CONNECTION WITH SWITCH FOR MAINTENANCE DISCONNECT. PROVIDE SWITCH RATED FOR VOLTAGE AND LOAD SHOWN ON PLANS.	VARIES, SEE PLANS	VARIES, SEE PLANS
	WALL MOUNTED JUNCTION BOX		
	MOTOR CONNECTION. PROVIDE SWITCH RATED FOR MAINTENANCE DISCONNECT WHEN SHOWN. PROVIDE SWITCH RATED FOR VOLTAGE AND LOAD SHOWN ON PLANS.	N/A	N/A
	0-6 HOUR DIGITAL TIMER RATED FOR LOAD BEING CONTROLLED.	WALL	44", UNO
	20A, FUSED MOTOR SWITCH, PROVIDE OVERLOADS RATED TO MOTOR.		
	CORD REEL DOUBLE DUPLEX RECEPTACLE. REFER TO SPECIFICATIONS FOR TYPE.	STRUCTURE	VARIES
	DROP CORD DUPLEX RECEPTACLE. REFER TO ASSOCIATED DROP CORD DETAIL FOR MORE INFORMATION.		



















ELECTRICAL EQUIPMENT SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	
		LOC.	HT.
	SURFACE MOUNTED PANELBOARD - CIRCUIT BREAKER TYPE. DASHED LINES ON PLAN INDICATE CLEARANCES. REFER TO PANEL SCHEDULES AND ONE-LINE DIAGRAM.	VARIES	78" TO TOP
	FLUSH MOUNTED PANELBOARD - CIRCUIT BREAKER TYPE. DASHED LINES ON PLAN INDICATE CLEARANCES. REFER TO PANEL SCHEDULES AND ONE-LINE DIAGRAM.		
	DISTRIBUTION PANEL - CIRCUIT BREAKER TYPE. DASHED LINES ON PLAN INDICATE CLEARANCES. REFER TO PANEL SCHEDULES AND ONE-LINE DIAGRAM.	VARIES	VARIES
	METER BASE	VARIES	78" TO TOP
	NON-FUSED DISCONNECT SWITCH.	VARIES	VARIES
	FUSED DISCONNECT SWITCH.		
	COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT SWITCH.		
	MAGNETIC MOTOR STARTER.		
	CONTROL PANEL. REFER TO PLANS FOR MORE INFORMATION.		
	AUTOMATIC TRANSFER SWITCH.	VARIES	72" TO TOP
	MANUAL TRANSFER SWITCH.		
	ENCLOSED CIRCUIT BREAKER.		
	VARIABLE FREQUENCY DRIVE.		
	GROUND BAR. REFER TO GROUNDING DETAIL.	WALL	16"

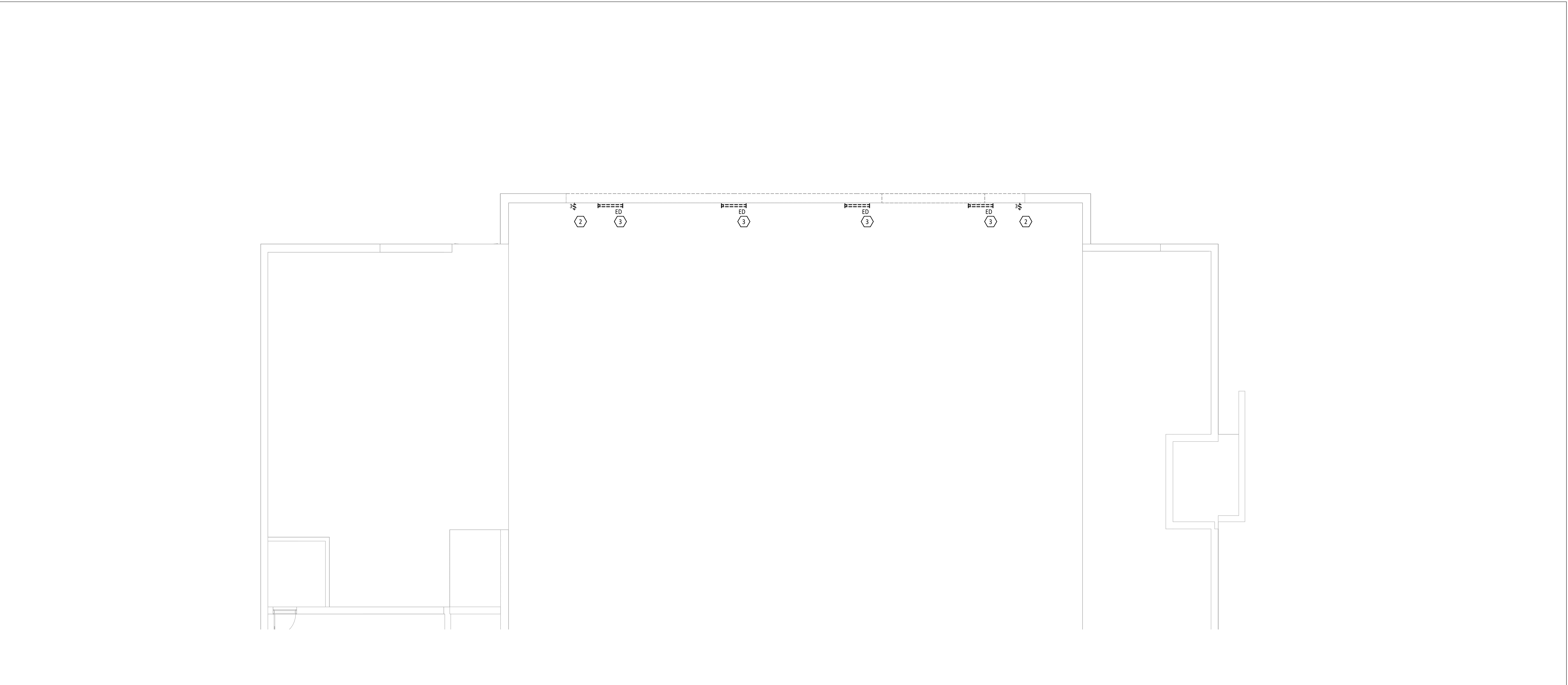
FIRE ALARM SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING LOC.	
		LOC.	HT.
	FIRE ALARM CONTROL PANEL. REFER TO SPECIFICATIONS.	WALL	72" TO TOP
	FIRE ALARM NAC POWER SUPPLY. REFER TO SPECIFICATIONS.		
	FIRE ALARM ANNUNCIATOR PANEL. REFER TO SPECIFICATIONS.	WALL	48"
	FIRE ALARM PULL STATION. REFER TO SPECIFICATIONS.	WALL	44"
	FIRE ALARM HORN DEVICE. REFER TO SPECIFICATIONS.		
	FIRE ALARM HORN/STROBE DEVICE. REFER TO SPECIFICATIONS.		
	FIRE ALARM SPEAKER DEVICE. REFER TO SPECIFICATIONS.	WALL	80", UNO
	FIRE ALARM SPEAKER/STROBE DEVICE. REFER TO SPECIFICATIONS.		
	FIRE ALARM STROBE LIGHT ONLY DEVICE. REFER TO SPECIFICATIONS.		
	CEILING MOUNT FIRE ALARM SPEAKER DEVICE. REFER TO SPECIFICATIONS.		
	CEILING MOUNT FIRE ALARM SPEAKER/STROBE DEVICE. REFER TO SPECIFICATIONS.		
	FIRE ALARM SMOKE DETECTOR. REFER TO SPECIFICATIONS.	CEILING	SURFACE
	FIRE ALARM HEAT DETECTOR. REFER TO SPECIFICATIONS.		
	FIRE ALARM CO DETECTOR. REFER TO SPECIFICATIONS.		
	FIRE ALARM DUCT SMOKE DETECTOR. REFER TO SPECIFICATIONS.	DUCT MTD.	SEE PLANS
	FIRE ALARM MAGNETIC DOOR HOLDER. REFER TO SPECIFICATIONS.	WALL	VARIES
	FIRE ALARM REMOTE TEST STATION FOR HIDDEN SMOKE/DUCT DETECTOR. REFER TO SPECIFICATIONS.		SEE PLANS
	FIRE ALARM ADDRESSABLE MODULE (MONITOR OR RELAY). REFER TO SPECIFICATIONS.	VARIES	SEE PLANS
	FIRE ALARM SPRINKLER BELL. FURNISHED BY FIRE SUPPRESSION CONTRACTOR, INSTALLED BY DIVISION 26.	WALL	96"
	TAMPER VALVE/SWITCH FOR PLUMBING PIPING. PROVIDE FIRE ALARM CONNECTIONS AS REQUIRED.		
	FLOW SWITCH FOR SPRINKLER PIPING. PROVIDE FIRE ALARM CONNECTIONS AS REQUIRED.	PIPE	N/A
	POST INDICATOR VALVE (PIV). PROVIDE FIRE ALARM CONNECTIONS AS REQUIRED.		
	SMOKE DAMPER CONNECTION. REFER TO PLANS FOR TYPE.	AT DUCT	SEE PLANS

SECURITY/ACCESS CONTROL SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING LOC.	HT.
	ACCESS CONTROL PANEL. DIVISION 26 TO PROVIDE 120V TO PANEL AS REQUIRED. COORDINATE WITH DIVISION 28.	WALL	72" TO TOP
	SECURITY SYSTEM CONTROL PANEL. DIVISION 26 TO PROVIDE 120V TO PANEL AS REQUIRED. COORDINATE WITH DIVISION 28.		
	ELECTRIC LOCK, PROVIDED BY DIVISION 08. PROVIDE 3/4" CONDUIT WITH PLASTIC BUSHING FROM DOOR FRAME TO ABOVE ACCESSIBLE CEILING. COORDINATE ROUGH-IN REQUIREMENTS WITH DIVISION 08 AND DIVISION 28.	DOOR	SEE PLANS
	DOOR CONTACT, PROVIDED BY DIVISION 28. PROVIDE 3/4" CONDUIT WITH PLASTIC BUSHING FROM DOOR FRAME TO ABOVE ACCESSIBLE CEILING. COORDINATE ROUGH-IN REQUIREMENTS WITH DIVISION 08 AND DIVISION 28.		
	REQUEST TO EXIT DEVICE, PROVIDED BY DIVISION 28. PROVIDE 3/4" CONDUIT WITH PLASTIC BUSHING FROM DOOR FRAME TO ABOVE ACCESSIBLE CEILING. COORDINATE ROUGH-IN REQUIREMENTS WITH DIVISION 08 AND DIVISION 28.	VARIES	VARIES
	CARD READER, PROVIDED BY DIVISION 28. PROVIDE SINGLE GANG BACK BOX WITH 3/4" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING. COORDINATE WITH DIVISION 28 PRIOR TO ROUGH-IN.	WALL	44"
	KEYPAD, PROVIDED BY DIVISION 28. PROVIDE SINGLE GANG BACK BOX WITH 3/4" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING. COORDINATE WITH DIVISION 28 PRIOR TO ROUGH-IN.	WALL	44"
	CEILING MOUNT MOTION DETECTOR. PROVIDE ROUGH-IN IN HARD CEILING AS REQUIRED FOR INSTALLATION. PROVIDE 3/4" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING. COORDINATE BACK BOX AND WORK WITH DIVISION 28.	HARD CEILING	N/A
	WALL MOUNT MOTION DETECTOR. PROVIDE SINGLE GANG BACK BOX WITH 3/4" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING. COORDINATE WORK WITH DIVISION 28.	WALL	96", UNO
	SECURITY SYSTEM ALARM BELL PROVIDED BY DIVISION 28. PROVIDE BACK BOX AND PATHWAY AS REQUIRED. COORDINATE WITH DIVISION 28.	WALL	80", UNO
	VOICE ONLY INTERCOM STATION BY DIVISION 28. BACK BOX FURNISHED BY DIVISION 28, INSTALLED BY DIVISION 26. PROVIDE 1" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING.	WALL	44"
	VOICE & VIDEO INTERCOM STATION BY DIVISION 28. BACK BOX FURNISHED BY DIVISION 28, INSTALLED BY DIVISION 26. PROVIDE 1" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING.		
	DESK MOUNT MASTER INTERCOM STATION PROVIDED BY DIVISION 28. COORDINATE PATHWAY REQUIREMENTS WITH DIVISION 28.	VARIES	VARIES
	ELECTRONIC DOOR RELEASE PUSHBUTTON PROVIDED BY DIVISION 28. COORDINATE PATHWAY REQUIREMENTS WITH DIVISION 28.		

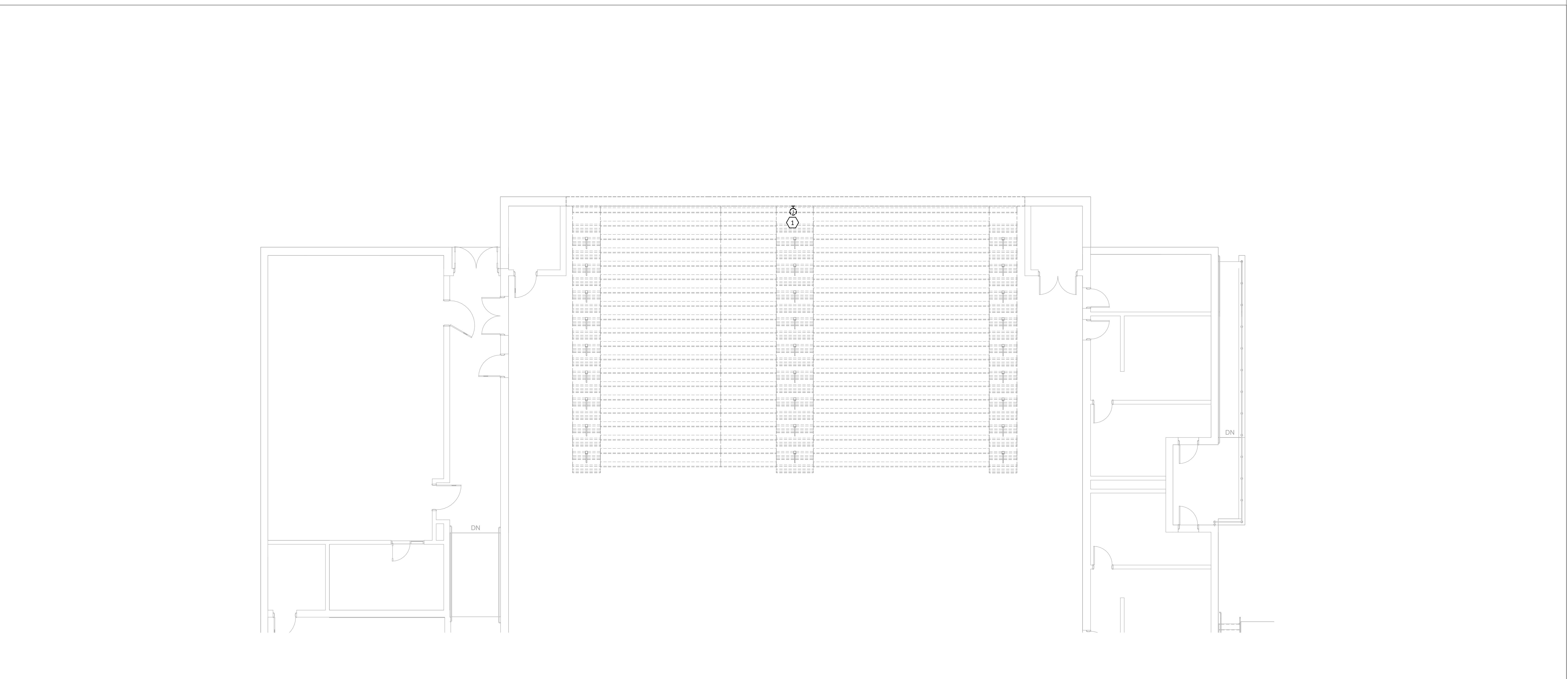
MISCELLANEOUS SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	
		LOC.	HT.
	GYM EQUIPMENT CONTROL PANEL FURNISHED BY GYM EQUIPMENT INSTALLER, INSTALLED BY DIVISION 26.	WALL	72" TO TOP
	GYM EQUIPMENT CONTROLLER FURNISHED BY GYM EQUIPMENT INSTALLER. DIVISION 26 TO PROVIDE BACK BOX AND ALL NECESSARY WIRING AS REQUIRED.	WALL	44"
	GENERATOR ANNUNCIATOR PANEL. REFER TO SPECIFICATIONS.	WALL	56"
	SPARE FUSE CABINET. REFER TO SPECIFICATIONS.	WALL	72" TO TOP
	HAND DRYER. REFER TO SPECIFICATIONS.	WALL	SEE ARCH
	AUTOMATIC DOOR OPERATOR FURNISHED BY DIVISION 08, INSTALLED BY DIVISION 26. COORDINATE WITH DOOR INSTALLER.		
	PUSH BUTTON. REFER TO DRAWINGS FOR MORE INFORMATION.	WALL	44"
	MULTI-BUTTON PUSH STATION. REFER TO DRAWINGS FOR MORE INFORMATION.		

TECHNOLOGY OUTLET SYMBOLS			
STUB ALL CONDUITS FOR TECHNOLOGY OUTLETS ABOVE ACCESSIBLE CEILING. UNO. PROVIDE PULL STRING AND PLASTIC BUSHING ON END OF EACH CONDUIT. PROVIDE COVERPLATE FOR UNUSED BOXES.			
SYMBOL	DESCRIPTION	MOUNTING LOC.	HT.
	DATA OUTLET. 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE ONE (1) 1-1/4" CONDUIT.		
	VOICE & DATA OUTLET. 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE ONE (1) 1-1/4" CONDUIT.	WALL	16", UNO
	VOICE OUTLET. 4-11/16" BOX WITH 2" DEEP 1-GANG EXTENSION RING. PROVIDE ONE (1) 1" CONDUIT.	WALL	44"
	LOCAL INPUT OUTLET. 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE ONE (1) 1-1/4" CONDUIT.	WALL	16", UNO
	INTERACTIVE FLAT PANEL OUTLET. 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE ONE (1) 1-1/4" CONDUIT. (DETAIL X ON SHEET EX.X)	WALL	44"
	LARGE VENUE PROJECTOR OUTLET. 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE TWO (2) 1-1/4" CONDUIT.	WALL	AS NOTED
	GYMNASIUM AUDIO SYSTEM OUTLET. 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE TWO (2) 1-1/4" CONDUIT.		
	STAGE PRESENTER OUTLET. 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE TWO (2) 1-1/4" CONDUIT.	WALL	16"
	TEACHER PERSONAL COMPUTER OUTLET. 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE TWO (2) 1-1/4" CONDUIT.		
	SOUND REINFORCEMENT OUTLET. 4-11/16" 3.5" DEEP BOX WITH 2-GANG EXTENSION RING. PROVIDE TWO (2) 1-1/4" CONDUIT. (DETAIL X ON SHEET EX.X)	WALL	44"
	VIDEO MONITOR OUTLET. 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE ONE (1) 1-1/4" CONDUIT.	WALL	96", UNO
	CAMERA OUTLET. 4-11/16" BOX WITH 2" DEEP 1-GANG EXTENSION RING. PROVIDE ONE (1) 1" CONDUIT. PROVIDE WEATHERPROOF COVERPLATE FOR EXTERIOR APPLICATIONS.	WALL	144", UNO
	WIRELESS ACCESS POINT OUTLET. 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE ONE (1) 1" CONDUIT. PROVIDE WEATHERPROOF COVERPLATE FOR EXTERIOR APPLICATIONS.		

AUDIO DEVICE SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING LOC.	HT.
	PUBLIC ADDRESS SOUND SYSTEM RACK.		
	STUDENT DINING SOUND SYSTEM RACK.		
	GYMNASIUM SOUND SYSTEM RACK.	FLOOR	N/A
	PORTABLE SOUND SYSTEM RACK.		
	MUSIC/VOCAL ROOM SOUND SYSTEM RACK.		
	HANGING MICROPHONE PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE CEILING MOUNTED JUNCTION BOX AND RACEWAY AS REQUIRED. COORDINATE WITH DIVISION 28.		
	MICROPHONE OUTLET. 1-GANG BOX WITH 2" DEEP 1-GANG EXTENSION RING. PROVIDE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING WITH PULL WIRE. PROVIDE PLASTIC BUSHING ON END OF CONDUIT.	WALL	16", UNO
	AUXILIARY/MICROPHONE OUTLET. 4-11/16" BOX WITH 2" DEEP 1-GANG EXTENSION RING. PROVIDE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING WITH PULL WIRE. PROVIDE PLASTIC BUSHING ON END OF CONDUIT.		
	SPEAKER FOR PA SYSTEM, UNO. PROVIDE ROUGH-IN AND RACEWAY AS REQUIRED IN HARD CEILINGS. COORDINATE WITH DIVISION 27.	HARD CEILING	N/A
	SPEAKER FOR LOCAL SOUND REINFORCEMENT. PROVIDE ROUGH-IN AND RACEWAY AS REQUIRED IN HARD CEILINGS. COORDINATE WITH DIVISION 27.		
	SPEAKER FOR STUDENT DINING SOUND SYSTEM PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE JUNCTION BOX AT SPEAKER LOCATION AND PATHWAYS AS REQUIRED. COORDINATE WITH DIVISION 27.		VARIES
	SPEAKER FOR GYMNASIUM SOUND SYSTEM PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE JUNCTION BOX AT SPEAKER LOCATION AND PATHWAYS AS REQUIRED. COORDINATE WITH DIVISION 27.		SEE PLANS
	SPEAKER FOR PA SOUND SYSTEM. PROVIDE 3/4" CONDUIT FROM CUSTOM BACK BOX, PROVIDED BY DIVISION 27, TO ABOVE ACCESSIBLE CEILING. PROVIDE PULL STRING AND PLASTIC BUSHING ON END OF CONDUIT.	WALL	144", UNO
	HORN TYPE SPEAKERS PROVIDED BY DIVISION 28. PROVIDE 1-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING. PROVIDE 3/4" CONDUIT WITH PULL STRING TO ABOVE ACCESSIBLE CEILING. PROVIDE PLASTIC BUSHING ON END OF CONDUIT.		
	SOUND SYSTEM SPEAKER. PROVIDE ROUGH-IN AS REQUIRED FOR INSTALLATION. COORDINATE WITH DIVISION 28.	VARIES	SEE PLANS
	CALL-IN SWITCH FOR PA SYSTEM. PROVIDE 1-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING. PROVIDE 3/4" CONDUIT WITH PULL STRING TO ABOVE ACCESSIBLE CEILING. PROVIDE PLASTIC BUSHING ON END OF CONDUIT.	WALL	44"
	VOLUME CONTROL FOR PA SYSTEM. PROVIDE 1-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING. PROVIDE 3/4" CONDUIT WITH PULL STRING TO ABOVE ACCESSIBLE CEILING. PROVIDE PLASTIC BUSHING ON END OF CONDUIT.		
	ADMINISTRATIVE CONSOLE FOR PA SYSTEM. PROVIDE BACK BOX AND PATHWAY AS REQUIRED FOR INSTALLATION. COORDINATE WITH DIVISION 28.	VARIES	SEE PLANS



1
ED1.1
FIRST FLOOR DEMOLITION LIGHTING PLAN - UNIT A
1/8" = 1'-0"



2
ED1.1
FIRST FLOOR DEMOLITION POWER PLAN - UNIT A
1/8" = 1'-0"



#	KEYNOTE DESCRIPTION
1	REMOVE POWER CONNECTION TO MOTORIZED BLEACHERS. EXISTING CIRCUIT FROM PANEL R1D TO REMAIN. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.
2	REMOVE LIGHT SWITCH AND ASSOCIATED CIRCUITRY.
3	REMOVE LIGHT FIXTURE. EXISTING CIRCUIT FROM PANEL L1B TO REMAIN. REFER TO NEW WORK FOR ADDITIONAL INFORMATION.

STATE OF OHIO

MATTHEW R. HIBNER

1416052

REGISTERED ELECTRICAL ENGINEER

MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2025



BUILDING ADDITION

FT LORAMIE ELEMENTARY SCHOOL RENOVATION

38 ELM STREET, FORT LORAMIE, OHIO 43045

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	12/11/2025
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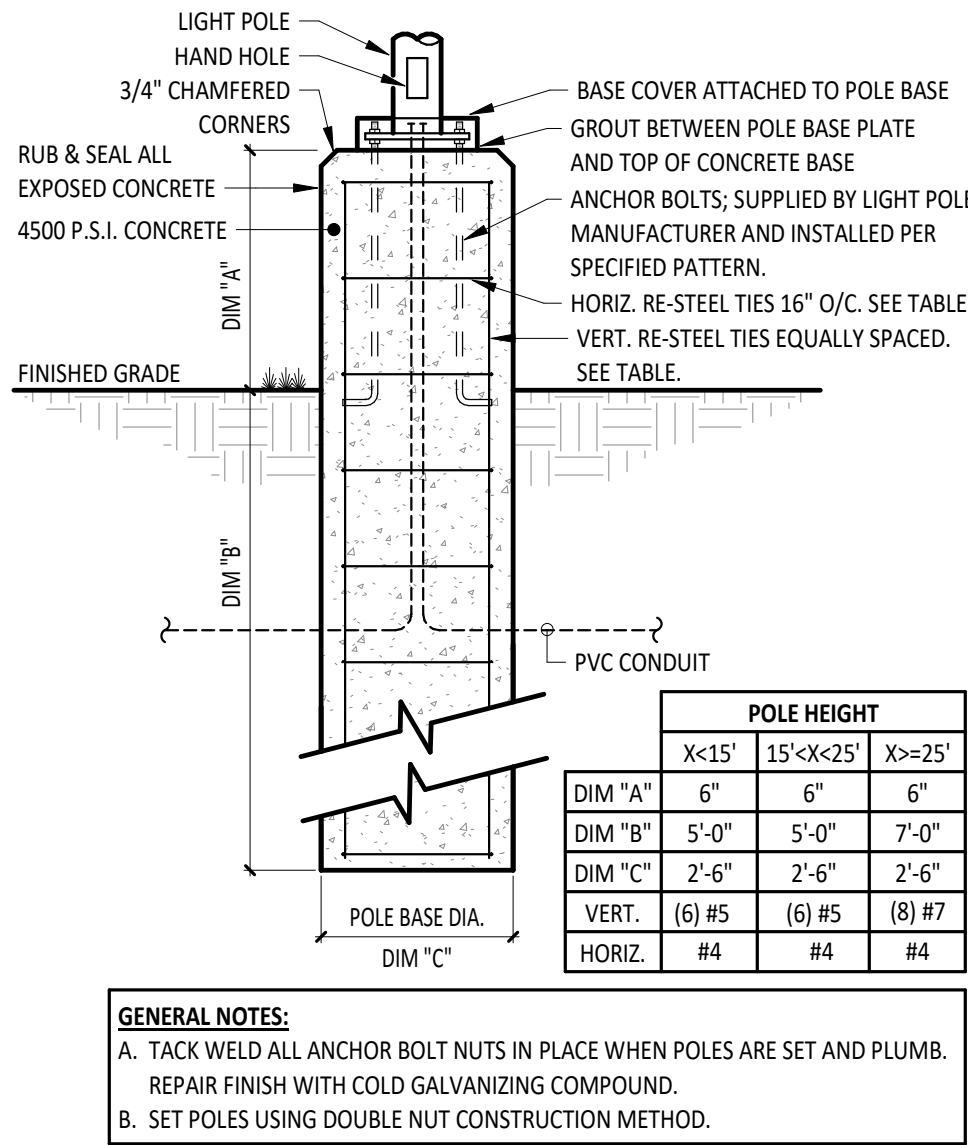
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25041.00	SH	HP

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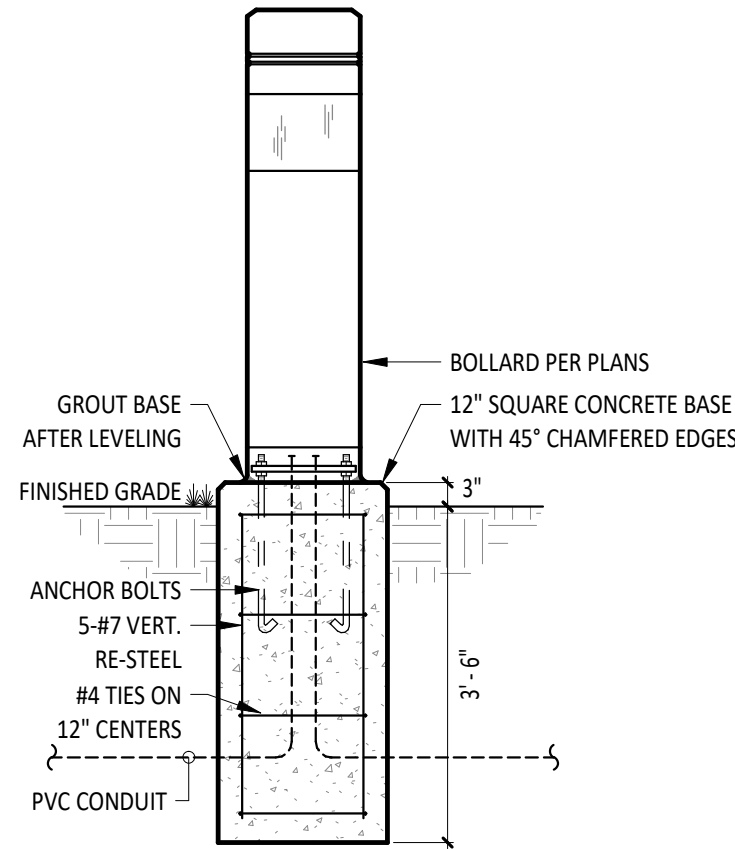
ELECTRICAL
DEMOLITION PLAN

SHEET NUMBER:

ED1.1

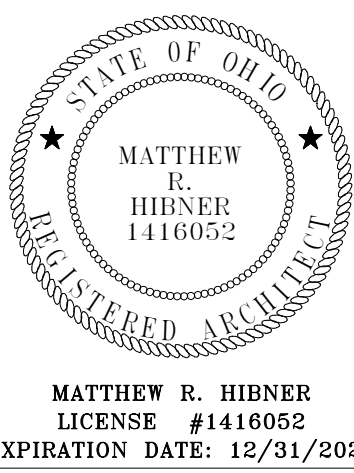


1
E1.2
CONCRETE POLE BASE DETAIL
NTS



2
E1.2
BOLLARD LIGHT DETAIL
NTS

LUMINAIRE SCHEDULE											
MARK	MOUNTING	LAMPS				BALLAST/DRIVER	FIXTURE VOLTAGE	INPUT WATTS	FIXTURE DESCRIPTION	COMMENTS	BASIS OF DESIGN & APPROVED MANUFACTURERS
		TYPE	MIN. LUMENS	CCT	CRI						
B1	CONCRETE BASE	LED	1500lm	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	UNV	84 W	8" SQUARE LED BOLLARD, FLAT TOP, SYMMETRICAL DISTRIBUTION, DARK BRONZE FINISH.		HYDREL 3140C H42 8COB 40K MVOLT SYM DDB
E		LED	N/A	N/A	N/A	N/A	UNV	0 W	EXISTING FIXTURE TO REMAIN.		
ED								0 W	EXISTING LIGHT FIXTURE TO BE REMOVED.		
ER		LED	N/A	N/A	N/A	N/A	UNV	0 W	EXISTING LUMINAIRE TO BE REMOVED AND RE-INSTALLED.		
H1	SUSPENDED	LED	12,000lm	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	UNV	80 W	LED HIGH BAY FIXTURE	PROVIDE AIRCRAFT CABLE HANGERS	LITHONIA CPHB AL013 MVOLT SIWW9 80CRI DWH
S1	WALL	LED	4000 lm	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	UNV	36 W	4' LED STRIP LIGHT WITH FROSTED LENS.	WALL MOUNT. COORDINATE MOUNTING HEIGHT WITH BLEACHERS. SET LUMENS AT MEDIUM AND CCT AT 4000K.	LITHONIA CSS L48 AL03 MVOLT SIWW3 80CRI



BUILDING ADDITION

FT LORAMIE ELEMENTARY SCHOOL RENOVATION

38 ELM STREET, FORT LORAMIE, OHIO 43045

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	12/11/2025
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PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25041.00	SH	HIP

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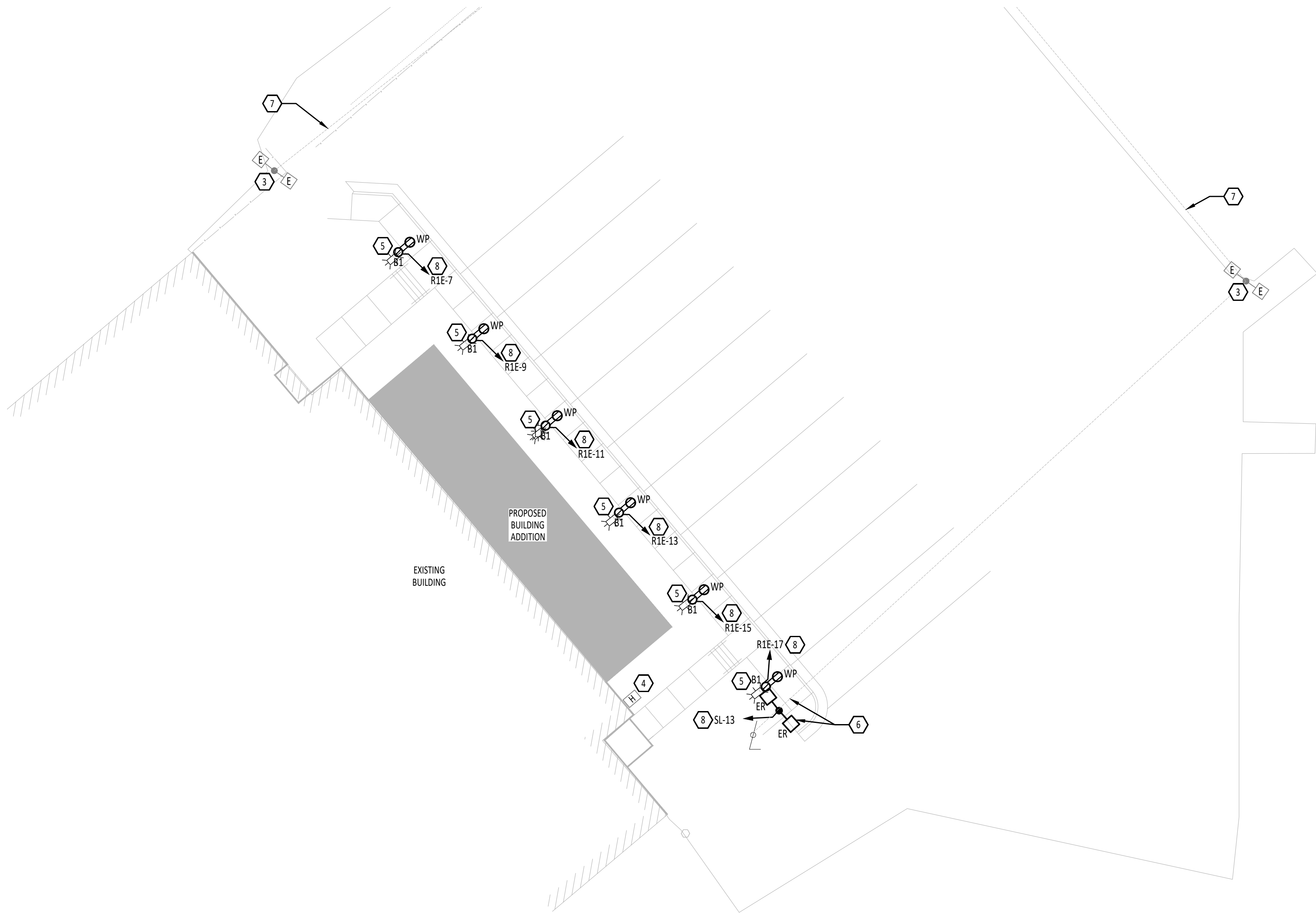
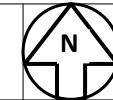
ELECTRICAL DETAILS AND LUMINAIRE SCHEDULE

SHEET NUMBER:

E1.2



1 SITE ELECTRICAL DEMOLITION - ELEMENTARY SCHOOL
1/16" = 1'-0"



2 SITE ELECTRICAL - ELEMENTARY SCHOOL
1/16" = 1'-0"



KEYNOTE SCHEDULE

#	KEYNOTE DESCRIPTION
1	REMOVE EXISTING BOLLARD LIGHT, RECEPTACLE AND ASSOCIATED CIRCUIT.
2	REMOVE EXISTING POLE LIGHTS, POLE, CONCRETE BASE, ASSOCIATED CIRCUIT TO REMAIN.
3	EXISTING POLE LIGHT AND CIRCUIT TO REMAIN.
4	EXISTING FLUSH IN GRADE PULL BOX TO REMAIN.
5	PROVIDE CONCRETE BASE, BOLLARD LIGHT FIXTURE AND RECEPTACLE. MODIFY AND EXTEND EXISTING UNDERGROUND CIRCUIT AS NECESSARY.
6	PROVIDE CONCRETE BASE, RE-INSTALL EXISTING POLE AND FIXTURES SALVAGED FROM DEMOLITION. MODIFY AND EXTEND EXISTING UNDERGROUND POLE LIGHT CIRCUIT AS NECESSARY.
7	EXISTING UNDERGROUND FEED TO REMAIN.
8	CONNECT CIRCUIT TO EXISTING CONDUCTORS IN EXISTING FLUSH IN GRADE PULL BOX.



BUILDING ADDITION

FT LORAMIE ELEMENTARY SCHOOL
RENOVATION

575 GREENBACK ROAD, FORT LORAMIE, OH 43045

ISSUANCES/REVISIONS		
CONSTRUCTION DOCUMENTS	12/11/2025	

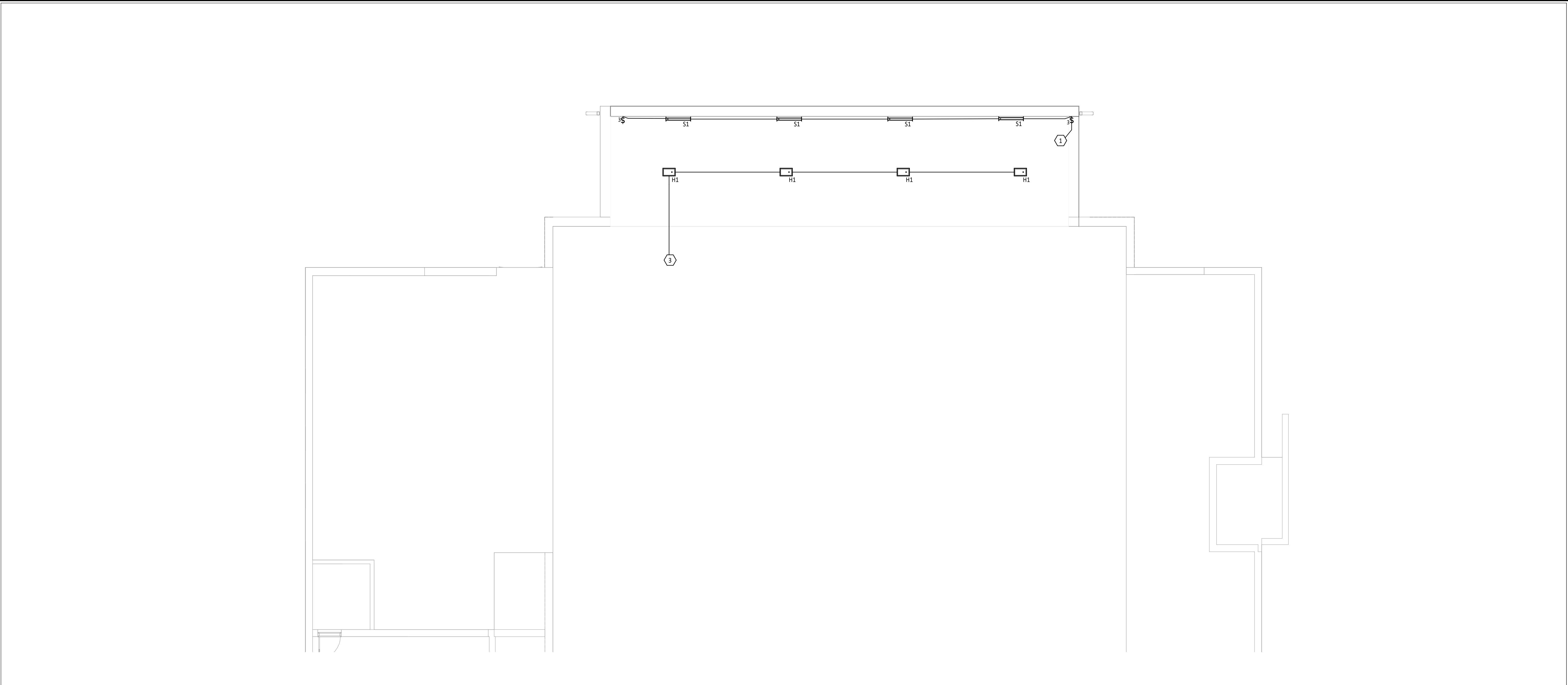
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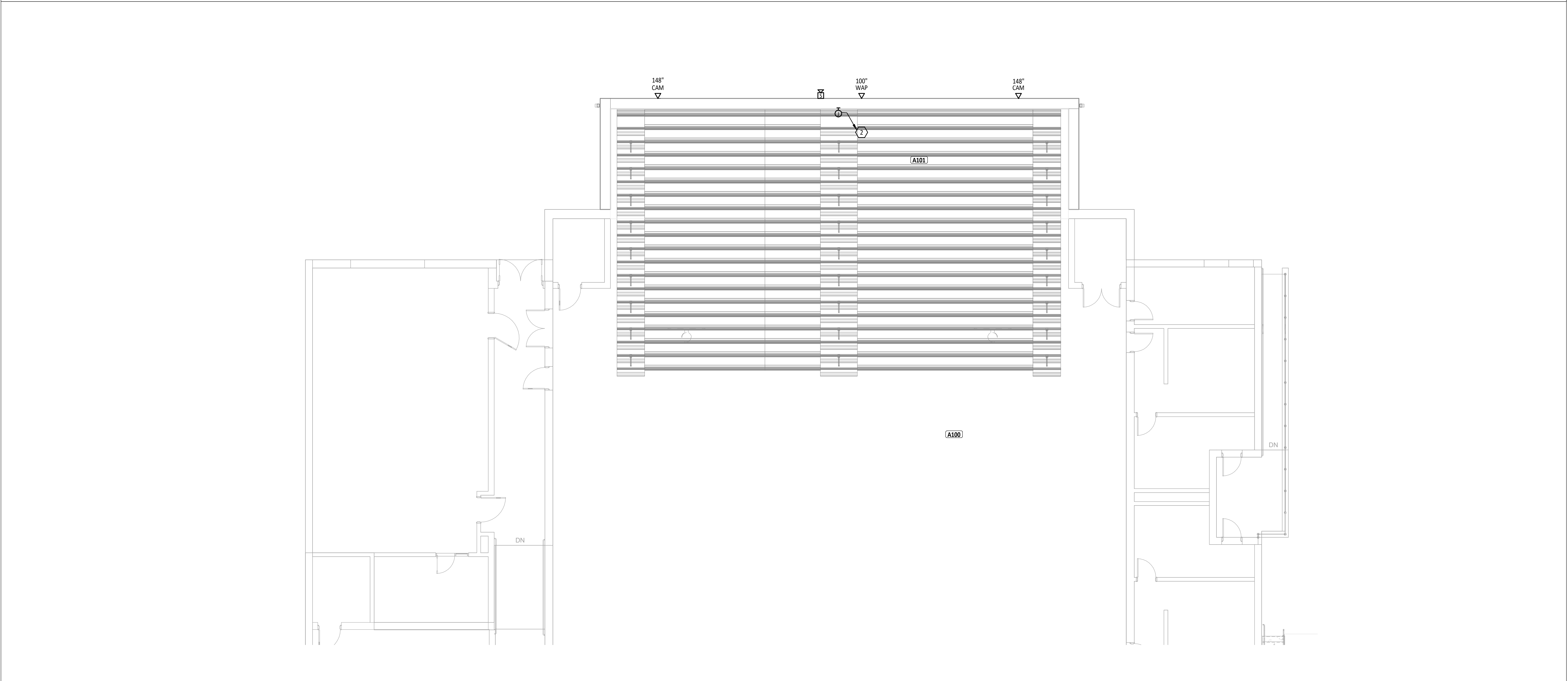
SITE ELECTRICAL
PLAN

SHEET NUMBER:

E2.1



1 LIGHTING PLAN - UNIT A
1/8" = 1'-0"



2 POWER AND SYSTEMS PLAN - UNIT A
1/8" = 1'-0"

FIRST FLOOR PLAN ROOM INDEX - UNIT A		
ROOM NUMBER	ROOM NAME	AREA
A100	GYMNASIUM	6,691 SF
A101	GYMNASIUM ADDITION	1,336 SF
A130	DINING	4,995 SF

SYSTEMS GENERAL NOTES

A WHERE DEVICES ARE SHOWN UNDER CABINETS, CASEWORK, FURNITURE AND THE LIKE, REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT PLACEMENT SO THAT DEVICES SHALL BE LOCATED WITHIN KNEE SPACE FOR OPEN AREA.

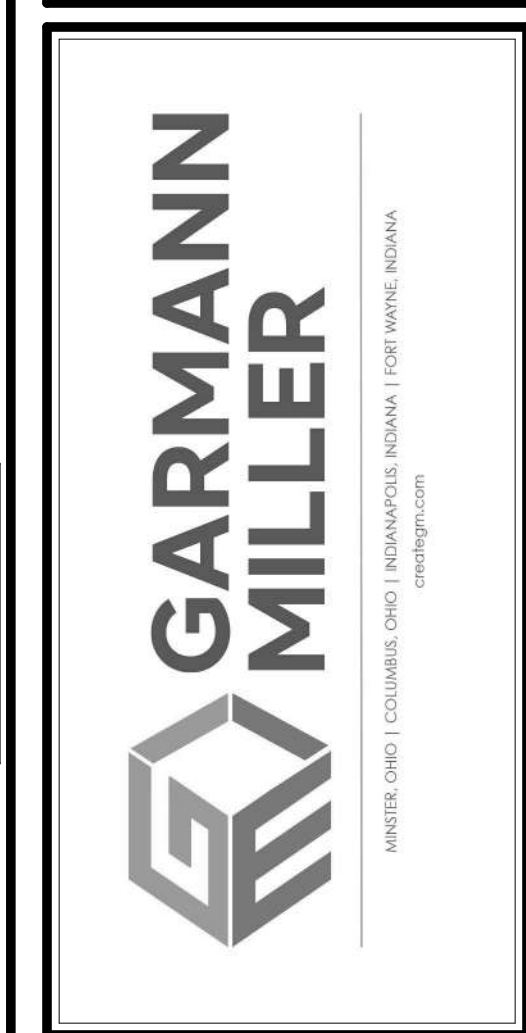
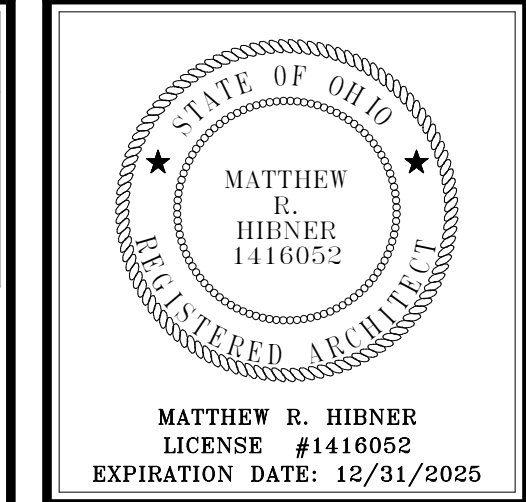
B ALL LOW VOLTAGE CABLING FOR THE SCOPE OF WORK BY DIVISION 26, 27, AND 28 IN EXPOSED CEILING SPACES SHALL BE ROUTED INSIDE CONDUIT. COORDINATE WITH INSTALLER OF EACH SYSTEM PRIOR TO ROUGH-IN. PAINT CONDUIT TO MATCH SURROUNDING AREA.

C CONDUIT IN EXPOSED CEILING SPACES SHALL BE CONCEALED INSIDE WALLS. EXPOSED CONDUIT SHALL ONLY BE ALLOWED IN JOIST SPACE NEAR ROOF.

D ALL CONDUIT ENDS FOR CABLING NOT CONNECTED TO A BOX OR FITTING SHALL BE PROVIDED WITH NYLON BUSHINGS TO PROTECT CABLING FROM DAMAGE.

E ALL MOUNTING HEIGHTS REFER TO BOTTOM OF BOX, UNO.

#	KEYNOTE DESCRIPTION
1	MODIFY AND EXTEND EXISTING LIGHTING CIRCUIT MADE AVAILABLE DURING DEMOLITION. REFER TO DEMOLITION WORK FOR MORE INFORMATION.
2	MODIFY AND EXTEND EXISTING BLEACHER POWER CIRCUIT (20A, 208V, 3-PHASE) MADE AVAILABLE DURING DEMOLITION. MAKE ALL NECESSARY CONNECTIONS. REFER TO DEMOLITION WORK FOR MORE INFORMATION.
3	CONNECT TO EXISTING GYM LIGHT CIRCUIT FROM PANEL L18, ABOVE EXISTING BLEACHERS APPROXIMATELY 25' SOUTH OF NEW H1 FIXTURES.



BUILDING ADDITION

FT LORAMIE ELEMENTARY SCHOOL RENOVATION

38 ELM STREET, FORT LORAMIE, OHIO 43045

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	12/11/2025

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25041.00	SH	HP

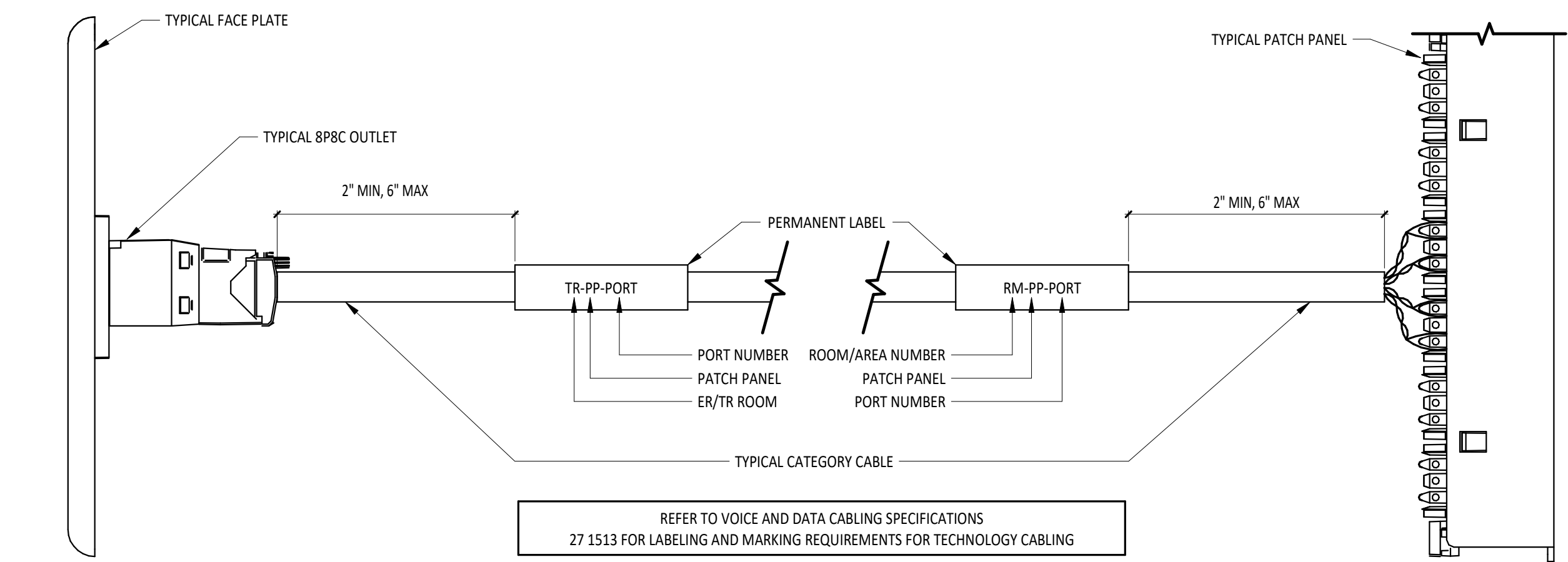
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ELECTRICAL PLAN - UNIT A

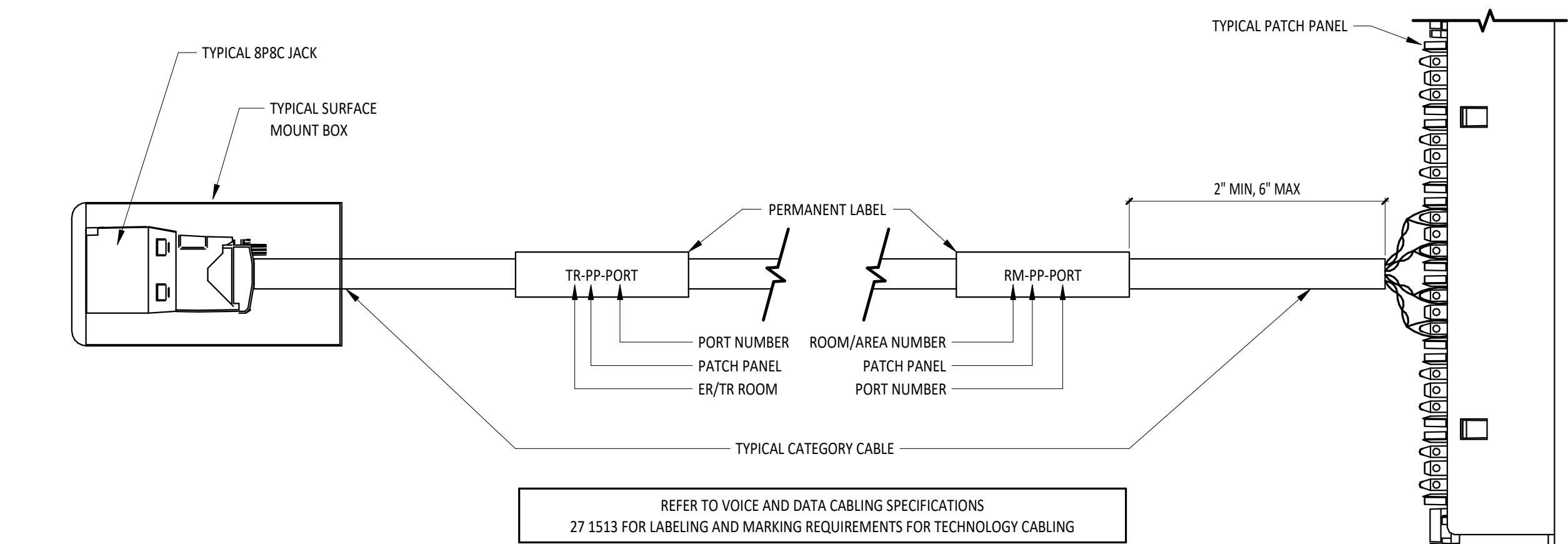
SHEET NUMBER:
E3.1

TECHNOLOGY CABLING SYMBOLS			
REFER TO FACEPLATE ELEVATIONS FOR MORE INFORMATION ON TECHNOLOGY OUTLETS.			
SYMBOL	DESCRIPTION	MOUNTING LOC.	HT.
DI	DATA OUTLET	WALL	16", UNO
VDH#	VOICE/DATA OUTLET		
VF#	VOICE OUTLET	WALL	44"
"I" INDICATES NUMBER OF VOICE AND / OR DATA CABLES TO BE PROVIDED AT EACH LOCATION			
LI	LOCAL INPUT OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT.	WALL	16", UNO
IFP	INTERACTIVE FLAT PANEL OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND ONE (1) 1-1/4" CONDUIT.	WALL	44"
LVP	LARGE VENUE PROJECTOR OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT.	WALL	AS NOTED
SP	GYMNASIUM AUDIO SYSTEM OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT.	WALL	16"
TPC	TEACHER PERSONAL COMPUTER OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT.		
SR	SOUND REINFORCEMENT OUTLET. 4-11/16", 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT. (DETAIL X ON SHEET EX.)	WALL	44"
VID	VIDEO MONITOR OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND ONE (1) 1-1/4" CONDUIT.	WALL	96", UNO
CAM	CAMERA OUTLET. 2-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING AND ONE (1) 1" CONDUIT.	WALL	144", UNO
WAP	WIRELESS ACCESS POINT OUTLET. 2-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING AND ONE (1) 1" CONDUIT.		
CAM	20 FT OF CAT 6A CABLE COILED ABOVE ACCESSIBLE CEILING FOR FUTURE CAMERA INSTALLATION BY 28 2300 CONTRACTOR.		
SS	20 FT OF CAT 6A CABLE COILED ABOVE ACCESSIBLE CEILING FOR FUTURE SECURITY SYSTEM INSTALLATION BY 28 1601 CONTRACTOR.		
WAP	20 FT OF CAT 6A CABLE COILED ABOVE ACCESSIBLE CEILING FOR FUTURE WIRELESS ACCESS POINT INSTALLATION BY 27 2300 CONTRACTOR		
LADDER TYPE CABLE TRAY			
BASKET TYPE CABLE TRAY			
CONDUIT SLEEVE(S) FOR TECHNOLOGY CABLING PROVIDED BY DIVISION 26, DIVISION 26 TO PROVIDE FIRE STOPPING WHEN PENETRATING THROUGH FIRE WALLS AS REQUIRED BY CODE.			
DENOTES HORIZONTALLY MOUNTED RACEWAY DENOTES VERTICALLY MOUNTED RACEWAY			

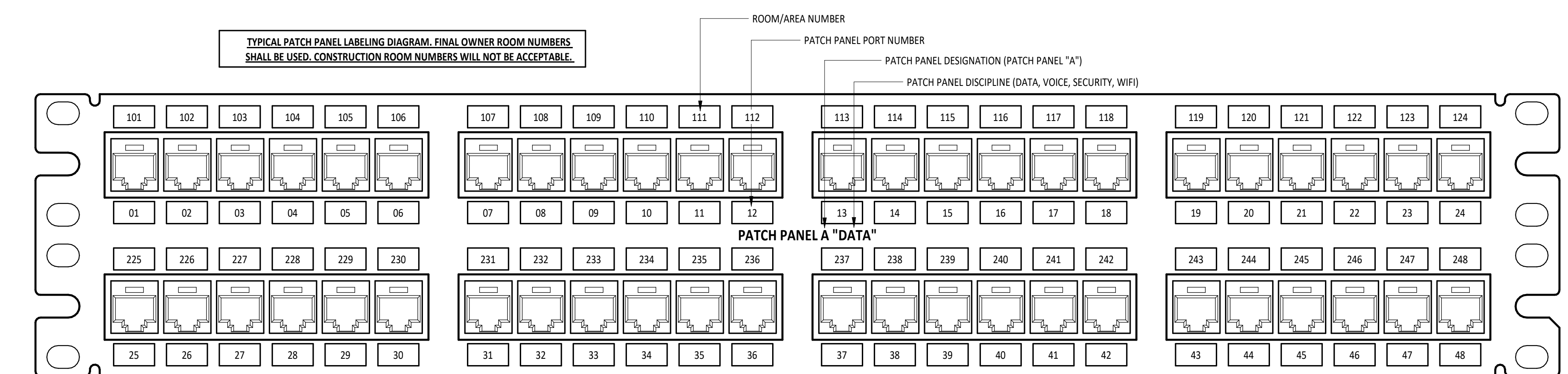
1 TECHNOLOGY CABLING SYMBOLS LEGEND



5 CABLE LABELING SCHEMATIC - FACEPLATE TO PATCH PANEL



7 CABLE LABELING SCHEMATIC - SURFACE MOUNT BOX TO PATCH PANEL



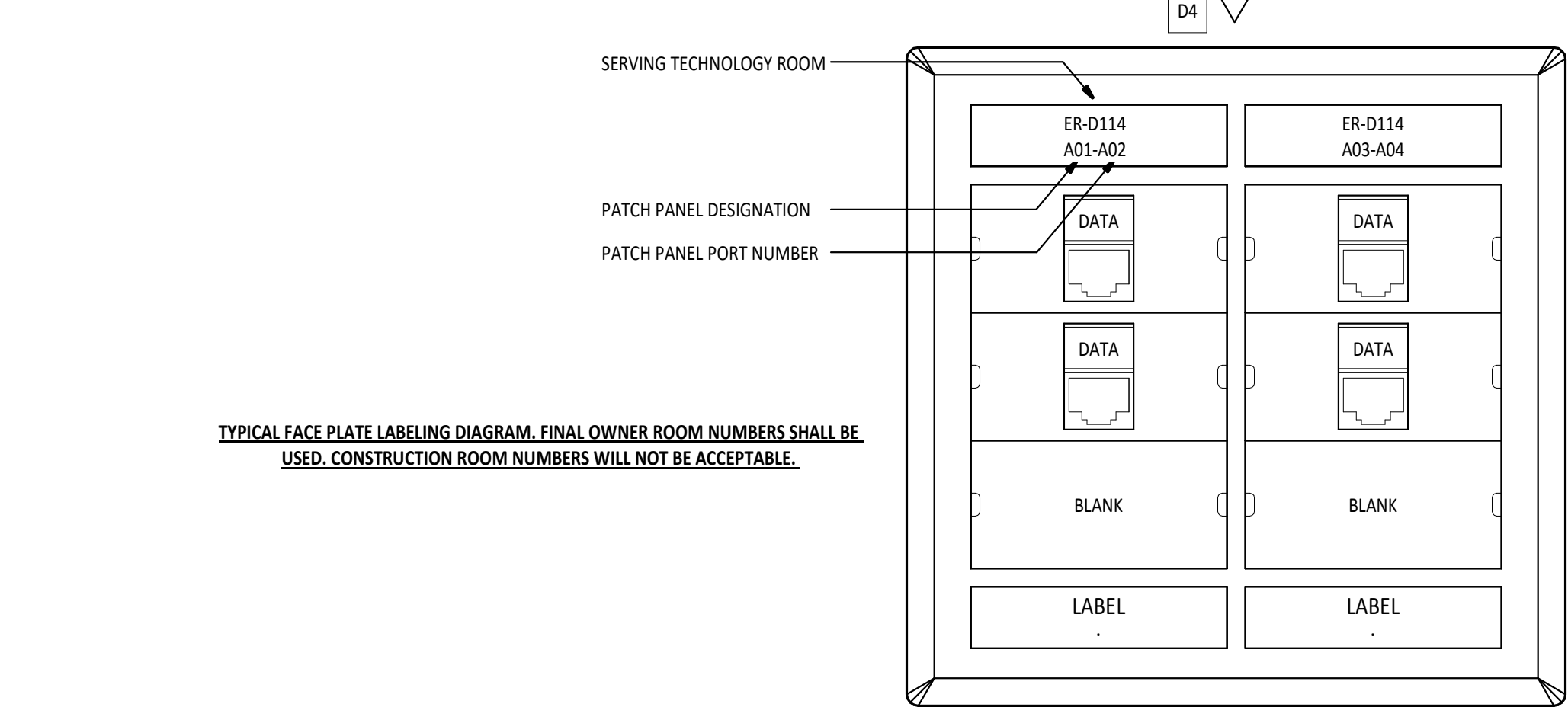
9 TYPICAL PATCH PANEL LABELING SCHEMATIC

SYMBOL	DESCRIPTION	MOUNTING LOC.	HT.
PA	PUBLIC ADDRESS SOUND SYSTEM RACK.		
SD	STUDENT DINING SOUND SYSTEM RACK.		
GS	GYMNASIUM SOUND SYSTEM RACK.	FLOOR	N/A
PR	PORTABLE SOUND SYSTEM RACK.		
MS	MUSIC/VOCAL ROOM SOUND SYSTEM RACK.		
	HANGING MICROPHONE PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE CEILING MOUNTED JUNCTION BOX AND PATHWAY AS REQUIRED. COORDINATE WITH DIVISION 26.	CEILING	N/A
HE	MICROPHONE OUTLET PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE SINGLE GANG BACK BOX AND PATHWAY TO ABOVE ACCESSIBLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	16", UNO
HE	AUXILIARY/MICROPHONE OUTLET BY DIVISION 27. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAYS. COORDINATE WORK WITH DIVISION 26.	WALL	96", UNO
	PUBLIC ADDRESS SYSTEM CEILING SPEAKER BY DIVISION 27.	CEILING	N/A
	CLASSROOM SOUND REINFORCEMENT SYSTEM SPEAKER PROVIDED BY DIVISION 27.		
	PUBLIC ADDRESS SYSTEM FLUSH MOUNT WALL SPEAKER PROVIDED BY DIVISION 27.	WALL	96", UNO
	PUBLIC ADDRESS HORN TYPE SPEAKER PROVIDED BY DIVISION 27.		
	SOUND SYSTEM SPEAKER PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE ROUGH INS AS REQUIRED FOR INSTALLATION. COORDINATE WORK WITH DIVISION 26.	VARIES	SEE PLANS
	PUBLIC ADDRESS CALL-IN SWITCH PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSIBLE CEILING.		
	PUBLIC ADDRESS SYSTEM VOLUME CONTROL PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSIBLE CEILING.	WALL	44"
	ADMINISTRATIVE CONTROL CONSOLE FOR THE PUBLIC ADDRESS SYSTEM BY DIVISION 27. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY AS REQUIRED FOR INSTALLATION. COORDINATE WORK WITH DIVISION 26.	VARIES	SEE PLANS

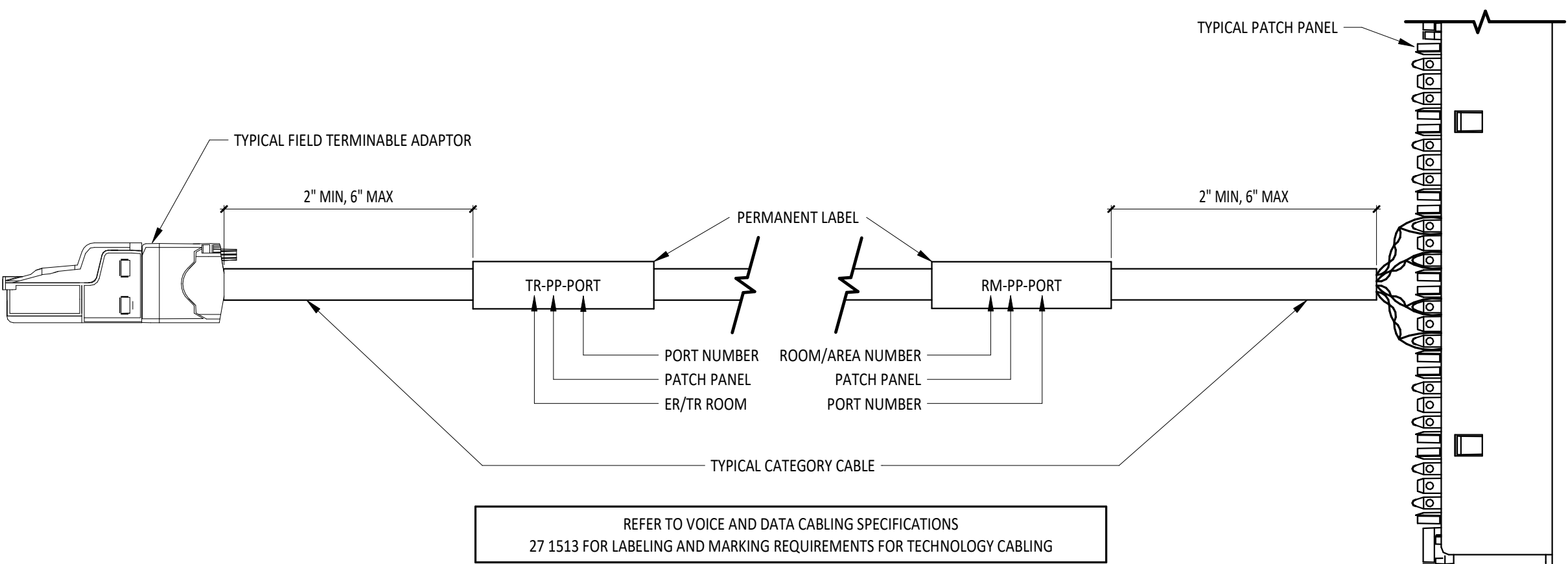
2 AUDIO DEVICE SYMBOLS LEGEND

SYMBOL	DESCRIPTION	MOUNTING LOC.	HT.
	MULTI-SENSOR CCTV CAMERA. CABLING BY 27 1513 CAMERA BY 28 2300.	VARIES	144", UNO
	CCTV CAMERA. CABLING BY 27 1513, CAMERA BY 28 2300		
	WIRELESS ANALOG CLOCK - DUAL FACE - CEILING MOUNT	WALL	96", UNO
	WIRELESS ANALOG CLOCK - DUAL FACE - WALL MOUNT	WALL	96", UNO
	WIRELESS ANALOG CLOCK - SINGLE FACE - WALL MOUNT		
	WIRELESS ANALOG CLOCK - SINGLE FACE - WALL MOUNT WITH WIRE GUARD		
	16" WIRELESS ANALOG CLOCK - SINGLE FACE - WALL MOUNT		
	16" WIRELESS ANALOG CLOCK - SINGLE FACE - WALL MOUNT WITH WIRE GUARD		
	WIRELESS DIGITAL CLOCK - WALL MOUNT - DOUBLE SIDED - SINGLE FACE - LEFT	WALL	96", UNO
	WIRELESS DIGITAL CLOCK - WALL MOUNT - DOUBLE SIDED - DUAL FACE	WALL	96", UNO
	WIRELESS DIGITAL CLOCK - WALL MOUNT	WALL	96", UNO
	WIRELESS DIGITAL CLOCK & PA SPEAKER COMBO - WALL MOUNT	WALL	96"
	WIRELESS ACCESS POINT - CEILING MOUNTED	CEILING	
	WIRELESS ACCESS POINT - WALL MOUNTED	WALL	144", UNO
	LARGE VENUE VIDEO PROJECTOR		
	XX" IFP - INTERACTIVE FLAT PANEL DISPLAY		
	XX" INDICATES DISPLAY SIZE DIAGONALLY IN INCHES		
	TYPICAL CLASSROOM/SMALL GROUP ROOM	WALL	MATCH WHITE BOARD 42", UNO
	TYPICAL CONFERENCE ROOM	WALL	
	XX" LCD - STANDARD FLAT PANEL DISPLAY		
	XX" INDICATES DISPLAY SIZE DIAGONALLY IN INCHES		
	TYPICAL CLASSROOM/SMALL GROUP ROOM	WALL	MATCH WHITE BOARD 42", UNO
	TYPICAL OFFICE AND COMMONS AREAS	WALL	72", UNO
	TYPICAL CONFERENCE ROOM	WALL	
	DESK MOUNT PHONE		
	WALL MOUNT PHONE	WALL	44", UNO

3 TECHNOLOGY EQUIPMENT SYMBOLS LEGEND



6 TYPICAL FACEPLATE LABELING SCHEMATIC



8 CABLE LABELING SCHEMATIC - FIELD TERMINAL ADAPTER TO PATCH PANEL

SYMBOL	DESCRIPTION	MOUNTING LOC.	HT.
ACP	ACCESS CONTROL SYSTEM CONTROL PANEL. DIVISION 26 TO PROVIDE 120V CONNECTION TO PANEL AS REQUIRED. COORDINATE WORK WITH DIVISION 26.	WALL	72" TOP
SCP	SECURITY SYSTEM CONTROL PANEL. DIVISION 26 TO PROVIDE 120V CONNECTION TO PANEL AS REQUIRED. COORDINATE WORK WITH DIVISION 26.		
EL	ELECTRONIC LOCK PROVIDED BY DIVISION 08. DIVISION 26 TO PROVIDE PATHWAYS TO ABOVE ACCESSIBLE CEILING. COORDINATE WORK WITH DIVISION 08 AND DIVISION 26.	DOOR	SEE PLANS
EX	DOOR CONTACT PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE PATHWAYS TO ABOVE ACCESSIBLE CEILING. COORDINATE WORK WITH DIVISION 08 AND DIVISION 26.		
EX	REQUEST TO EXIT DEVICE BY DIVISION 28. DIVISION 26 TO PROVIDE PATHWAYS TO ABOVE ACCESSIBLE CEILING. COORDINATE WORK WITH DIVISION 08 AND DIVISION 26.	VARIES	VARIES
CR	ACCESS CONTROL CARD READER PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSIBLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	44"
KEP	SECURITY SYSTEM KEYPAD PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSIBLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	48"
MD	HARD CEILING MOUNT MOTION DETECTOR PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSIBLE CEILING. COORDINATE WORK WITH DIVISION 26.	HARD CEILING	N/A
MD	CEILING MOUNT MOTION DETECTOR PROVIDED BY DIVISION 28. COORDINATE WORK WITH DIVISION 26.	WALL	96", UNO
CO	SECURITY SYSTEM ALARM BELL PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSIBLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	80", UNO
HI	AUDIO ONLY INTERCOM STATION BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSIBLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	48"
HI	AUDIO & VIDEO INTERCOM STATION BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSIBLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	48"
IS	DESK MOUNT MASTER INTERCOM STATION PROVIDED BY DIVISION 28. COORDINATE PATHWAY REQUIREMENTS WITH DIVISION 26.	VARIES	VARIES
IS	ELECTRONIC DOOR RELEASE OR LOCK DOWN PUSH BUTTON PROVIDED BY DIVISION 28. COORDINATE PATHWAY REQUIREMENTS WITH DIVISION 26.		

4 SECURITY/ACCESS CONTROL SYMBOL LEGEND

- NOTE:	
	ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW.
A	
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AV	AUDIO/VISUAL
C	
CAM	CAMERA
CAT	CATEGORY
CCTV	CLOSED-CIRCUIT TELEVISION
D	
D	DATA
DC	DIRECT CURRENT
DSO	DIGITAL SIGNAGE DISPLAY
E	
E	EXISTING
EC	ELECTRICAL CONTRACTOR
ER	EQUIPMENT ROOM
G	
GBE	GIGABIT ETHERNET
GPON	GIGABIT PASSIVE OPTICAL NETWORK
I	
IFP	INTERACTIVE FLAT PANEL DISPLAY
ISG(N)	ISOLATED SYSTEMS GROUND
IWB	INTERACTIVE WHITE BOARD
L	
LI	LOCAL INPUT
LVP	LARGE VENUE PROJECTOR
M	
MM	MULTIMODE FIBER OPTIC CABLE
O	
OLT	OPTICAL LINE TERMINAL
ONT	OPTICAL NETWORK TERMINAL
OREQ	OR EQUAL
OS	OPTICAL SPLITTER
P	
PA	PUBLIC ADDRESS
PDU	POWER DISTRIBUTION UNIT
PoE	POWER OVER ETHERNET
POL	PASSIVE OPTICAL LAN
PON	PASSIVE OPTICAL NETWORK
Q	
Q	EMPTY BOX WITH BLANK COVER
R	
RU	RACK UNITS
S	
SA	SOUND AMPLIFICATION
SM	SINGLE MODE FIBER OPTIC CABLE
SP	STAGE PRESENTER
SR	SOUND REINFORCEMENT
SS	SECURITY SYSTEM
T	
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TE	TELECOMMUNICATIONS ENCLOSURE
TMSG	TELECOMMUNICATIONS MAIN GROUNDING BACKBONE
TPC	TEACHERS PERSONAL COMPUTER
TR	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
U	
UNO	UNLESS NOTED OTHERWISE
V	
V	VOICE
VID	VIDEO
VOD	VIDEO ON DEMAND
VoIP	VOICE OVER INTERNET PROTOCOL
VP	VIDEO PROJECTOR
W	
WAP	WIRELESS ACCESS POINT
WG	WIREGUARD; SIZED SPECIFICALLY FOR DEVICE IT IS SERVING
WP	WEATHERPROOF
X	
XGS-PON-10	10 GIGABIT SYNCHRONOUS - PASSIVE OPTICAL NETWORK

TECHNOLOGY CABLING AND JACK COLOR CODING

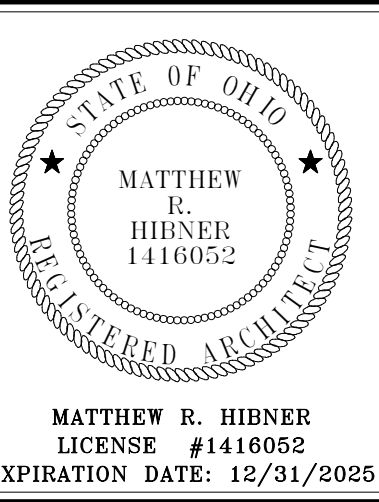
CABLE TYPE	DESCRIPTION	CABLE COLOR	JACK
CATEGORY 6A	DATA NETWORK CABLE	BLUE	BLUE
CATEGORY 6A	VOICE NETWORK CABLE	YELLOW	YELLOW
CATEGORY 6A	WIRELESS DATA NETWORK CABLE	BLUE	BLUE
CATEGORY 6A	SECURITY, ACCESS CONTROL, CCTV NETWORK CABLE	GREEN	GREEN
CATEGORY 6A	LOCAL PEER TO PEER	ORANGE	ORANGE
CATEGORY 6A	USB OVER TWISTED PAIR, HDMI OVER TWISTED PAIR	ORANGE	ORANGE
3.5MM AUDIO	SHIELDED 22AWG/2 CONDUCTOR	N/A	MATCH FACEPLATE
HDMI	ACTIVE OPTICAL HDMI	N/A	MATCH FACEPLATE

10 TECHNOLOGY CABLING AND JACK COLOR CODING

TECHNOLOGY SHEET INDEX	
SHEET NUMBER	SHEET NAME
TL1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS, DIAGRAMS AND SHEET INDEX
TL1.2	TECHNOLOGY DETAILS
TC1.1	TECHNOLOGY CABLING PLAN
TE1.1	TECHNOLOGY EQUIPMENT PLAN

TECHNOLOGY CABLING/EQUIPMENT GENERAL NOTES

- RACK LAYOUTS SHALL NOT BE CHANGED WITHOUT APPROVAL FROM THE ARCHITECT AND THE CONSTRUCTION MANAGER.
- ALL EQUIPMENT, OWNER OR CONTRACTOR PROVIDED, SHALL BE MOUNTED IN THE RACKS WITH THE PROPER MOUNTING HARDWARE AND WITH THE PROPER PATCH CABLE LENGTH AND COLOR.
- ALL EMPTY OR UNUSED RACK SPACE MUST BE FILLED WITH BLANK PANELS FOR PROPER HOT/COLD ISLE VENTILATION.
- TECHNOLOGY CABLING CONTRACTORS ARE RESPONSIBLE FOR PROVIDING, BUT IS NOT LIMITED TO, THE FOLLOWING FOR THEIR RESPECTIVE SPECIFICATION SECTIONS: TWO POST RACKS, FOUR POST RACKS, WALL/FLOOR MOUNT CABINETS, VERTICAL CABLE MANAGERS, HORIZONTAL CABLE MANAGERS, PATCH PANELS, FIBER ENCLOSURES AND COUPLER PANELS, BLANK PANELS, SHELVES FOR ANY OWNER EQUIPMENT OR EQUIPMENT NOT RACK MOUNTABLE, AND PAGING SYSTEM.
- TECHNOLOGY EQUIPMENT CONTRACTORS ARE RESPONSIBLE FOR PROVIDING, BUT IS NOT LIMITED TO, THE FOLLOWING FOR THEIR RESPECTIVE SPECIFICATION SECTIONS: NETWORK SWITCHES, CORE SWITCHES, FILE SERVER, NTP SERVER, VOD SERVER (DIGITAL MEDIA MANAGEMENT SYSTEM), ENCODER CHASSIS (DIGITAL MEDIA MANAGEMENT SYSTEM), IP KVM, IP TELEPHONE GATEWAY, UPS UNITS, COORDINATING A-SITE EQUIPMENT INSTALLATION AND OR PROGRAMING, PATCH CABLES, AND PATCH CABLES FOR OWNER EQUIPMENT.
- REFER TO SPECIFICATIONS FOR DETAILS AND MORE INFORMATION INCLUDING MISC. MATERIALS REQUIRED TO BE PROVIDED.
- ALL EQUIPMENT, OWNER OR CONTRACTOR PROVIDED, SHALL BE MOUNTED IN THE RACKS WITH THE PROPER MOUNTING HARDWARE AND WITH THE PROPER PATCH CABLE LENGTH AND COLOR.
- TECHNOLOGY DRAWINGS COVER ALL OF DIVISION 27 AND 28 SPECIFICATIONS EXCLUDING FIRE ALARM. IT IS HIGHLY RECOMMENDED THAT THE CONTRACTOR REVIEWS DIVISION 27 AND 28 SPECIFICATIONS AND ATTENDS THE PRE BID MEETING PRIOR TO SUBMITTING BIDS.
- ALL CABLING IN EXPOSED AREAS MUST BE ENCLOSED IN A CONDUIT. PAINT CONDUIT TO MATCH SURROUNDING AREA.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TECHNOLOGY SYSTEMS ROUGH-IN REQUIREMENTS, COORDINATE WITH THE SYSTEMS SUPPLIER FOR ANY VENDOR SPECIFIC REQUIREMENTS.
- CONTRACTORS SHALL PROVIDE APPROPRIATE FACEPLATES, JACKS, CONNECTORS, AND CABLING FOR EACH TECHNOLOGY ROUGH-IN INDICATED.
- CONTRACTORS SHALL PROVIDE ALL TERMINATIONS FOR CABLING INDICATED.
- CONTRACTORS SHALL LABEL ALL CABLING AS REQUIRED BY PER THE LATEST NEC AND ANSI/TIA/EIA-606 STANDARDS.
- CABLE TIES ARE FOR OUTDOOR USE ONLY AND SHALL BE TRIMMED TO AVOID SHARP EDGES WITH FLUSH CUTTERS.
- PROVIDE BLACK NON-PRINTED VELCRO STRAPS FOR INDOOR USE. USE PLENUM WHERE REQUIRED.
- PROVIDE COVER PLATES ON ALL EMPTY TECHNOLOGY ROUGH-INS.
- CONTRACTORS SHALL COORDINATE INSTALLATION AND GROUNDING OF TELEPHONE, CATV, AND ITC DEMARCS/SERVICE ENTRANCES.
- EACH WAP LOCATION REQUIRES TWO (2) SHIELDED CAT 6A CABLES.
- TYPICAL TECHNOLOGY ROUGH-INS, IN NEW WALLS, ARE 2-GANG OUTLET BOXES, 3-1/2" DEEP WITH A MIN OF 1-1/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. TECHNOLOGY ROUGH-INS ON EXISTING WALLS WILL BE SURFACE MOUNTED DUAL CHANNEL RACEWAY.
- ANY PENETRATION THROUGH FIRE WALLS MUST USE 2" CONDUIT AND PROPER FIRE STOPPING PER THE LATEST CODES AND STANDARDS.
- CEILING SPACE IS USED AS A PLENUM, ALL CABLE AND INSULATION MATERIALS SHALL BE PLENUM RATED.



FT LORAMIE ELEMENTARY SCHOOL RENOVATION

BUILDING ADDITION

35 ELAM STREET FORT LORAMIE, OHIO 43065

ISSUANCES/REVISIONS

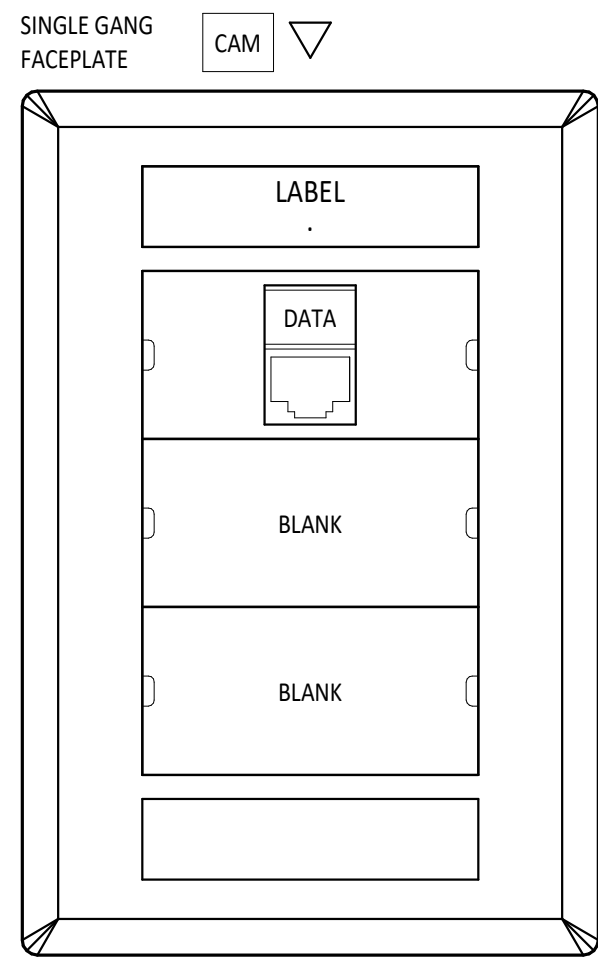
CONSTRUCTION DOCUMENTS	12/11/2025
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PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25041.00	CDT	NDL

GENERAL NOTES, ABBREVIATIONS, LEGENDS, DIAGRAMS AND SHEET INDEX

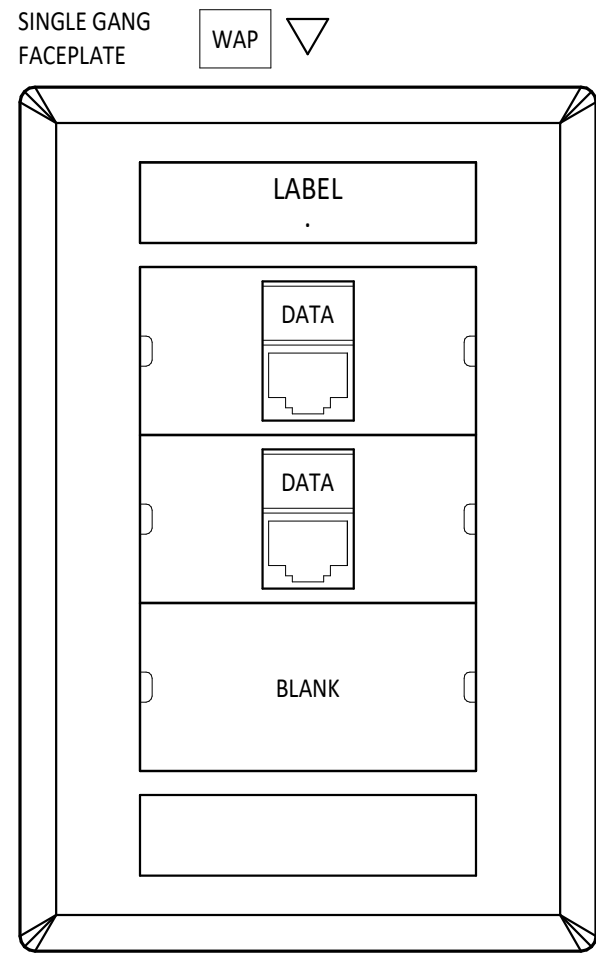
SHEET NUMBER:

TL1.1



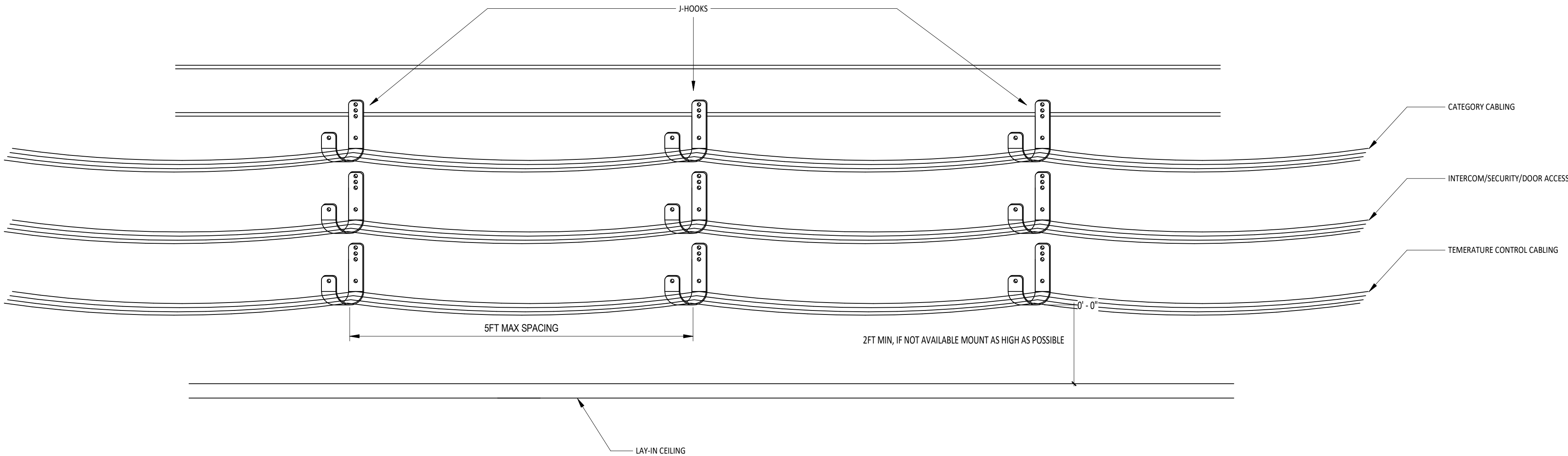
TYPICAL TYPE (CAM) OUTLET - LABEL AS SHOWN IN DETAILS & ABOVE

- (1) CAT 6A GREEN CABLE TO TR AS INDICATED ON PLANS



TYPICAL TYPE (WIFI) OUTLET - LABEL AS SHOWN IN DETAILS & ABOVE

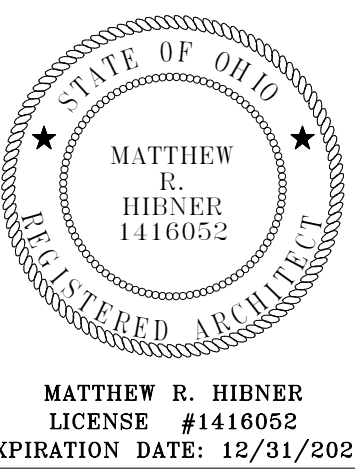
- (2) CAT 6A BLUE CABLE TO TR AS INDICATED ON PLANS



1
T1.2
CAMERA OUTLET (CAM)

2
T1.2
WIRELESS ACCESS POINT OUTLET (WIFI)

3
T1.2
TYPICAL CABLE SUPPORT DETAIL



FT LORAMIE ELEMENTARY SCHOOL
RENOVATION

BUILDING ADDITION

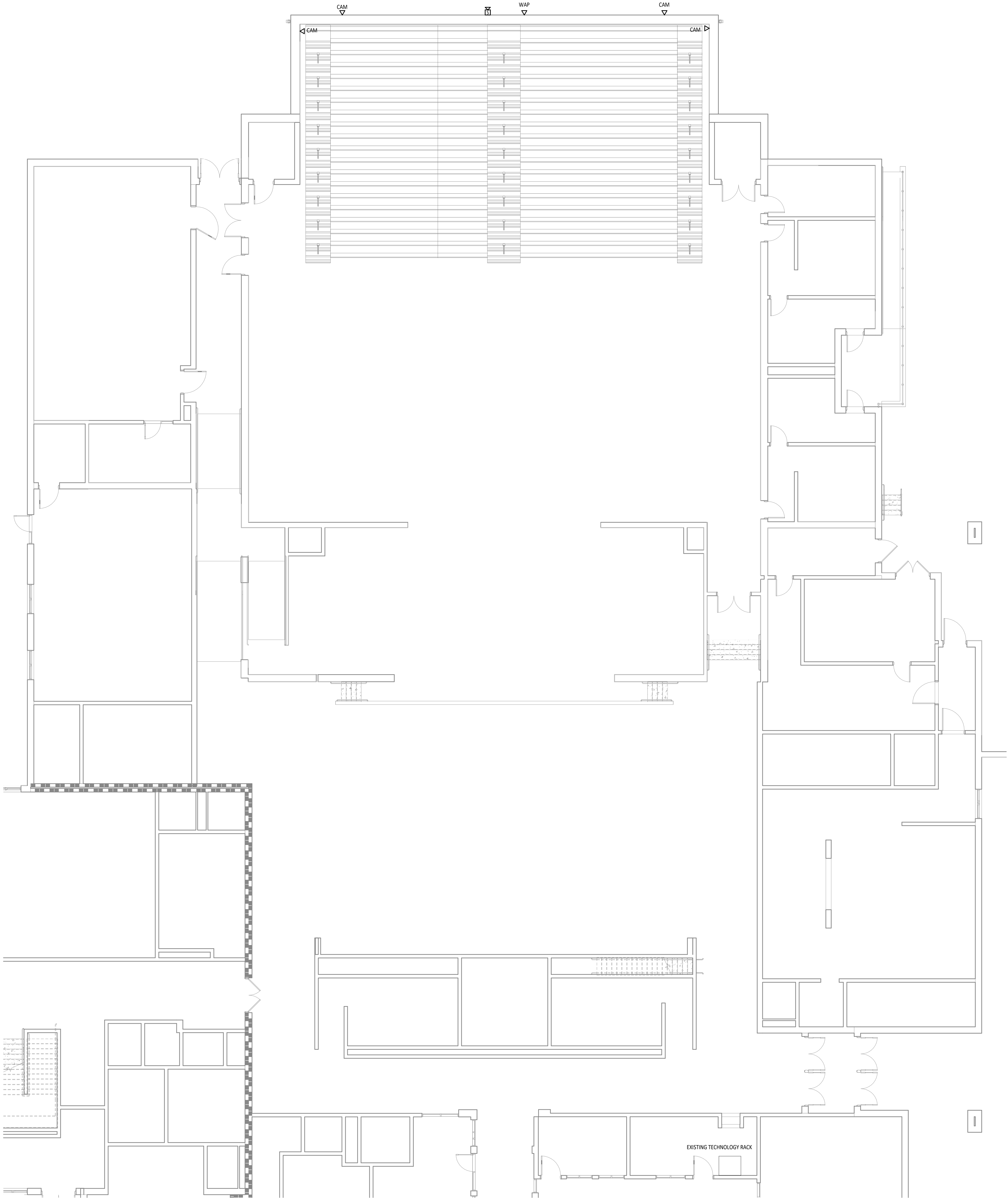
38 ELM STREET, FORT LORAMIE, OHIO 43045

ISSUANCES/REVISIONS		
CONSTRUCTION DOCUMENTS	12/11/2025	

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25041.00	CDT	NDL

SHEET TITLE:
**TECHNOLOGY
DETAILS**

SHEET NUMBER:
T1.2



1 TECHNOLOGY CABLING PLAN
TCL1.1 1/8" = 1'-0"

FIRST FLOOR PLAN ROOM INDEX - UNIT A		
ROOM NUMBER	ROOM NAME	AREA
A100	GYMNASIUM	6,691 SF
A101	GYMNASIUM ADDITION	1,336 SF
A130	DINING	4,995 SF

#	KEYNOTE DESCRIPTION
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STATE OF OHIO
REGISTERED ARCHITECT
MATTHEW R. HIBNER
1416052

MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2025

GARMANN
MILLER

MINNESOTA, OHIO, ILLINOIS, INDIANA, KANSAS, MISSOURI, NEBRASKA, NORTH CAROLINA, SOUTH CAROLINA, TEXAS, VIRGINIA, WISCONSIN, WYOMING

BUILDING ADDITION

FT LORAMIE ELEMENTARY SCHOOL
RENOVATION

38 ELM STREET, FORT LORAMIE, OHIO 43045

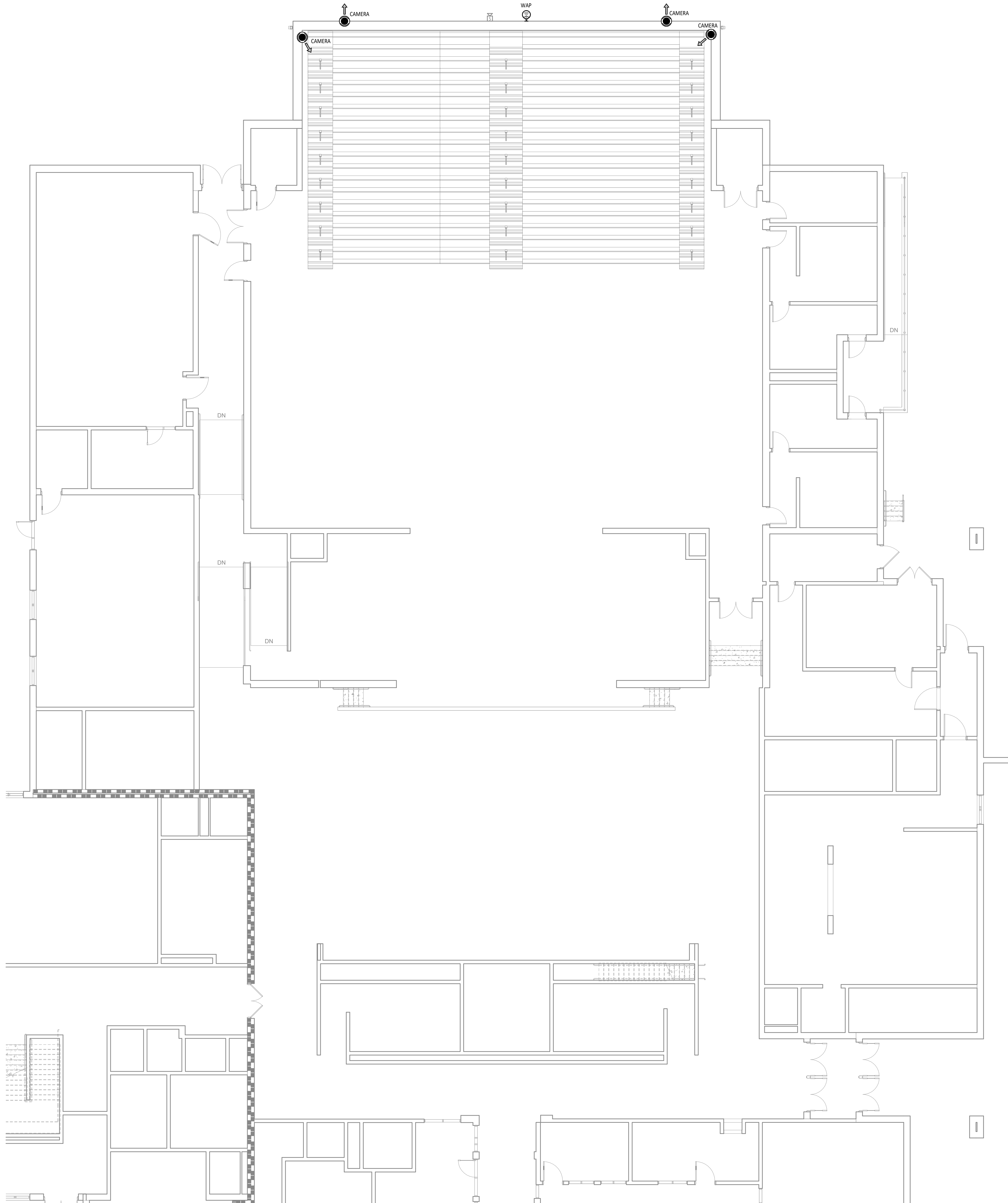
ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	12/11/2025

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25041.00	CDT	NDL

SHEET TITLE:

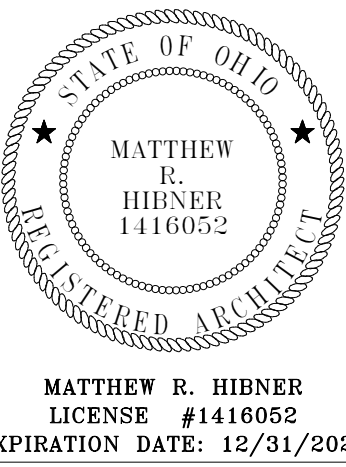
TECHNOLOGY
CABLING PLAN

SHEET NUMBER:
TC1.1



FIRST FLOOR PLAN ROOM INDEX - UNIT A		
ROOM NUMBER	ROOM NAME	AREA
A100	GYMNASIUM	6,691 SF
A101	GYMNASIUM ADDITION	1,336 SF
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#	KEYNOTE DESCRIPTION
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BUILDING ADDITION
**FT LORAMIE ELEMENTARY SCHOOL
RENOVATION**
38 LUM STREET, FORT LORAMIE, OHIO 43045

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	12/11/2025
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PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25041.00	CDT	NDL

SHEET TITLE:
**TECHNOLOGY
EQUIPMENT PLAN**

SHEET NUMBER:
TE1.1