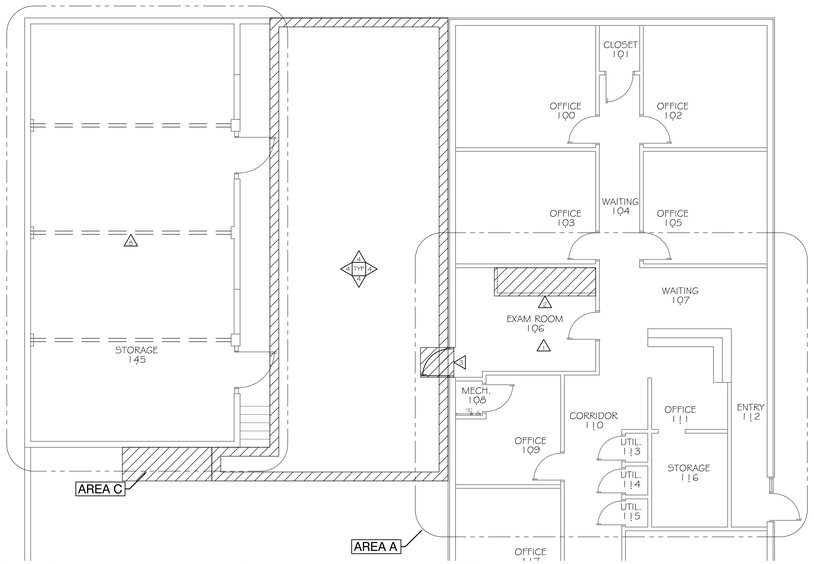
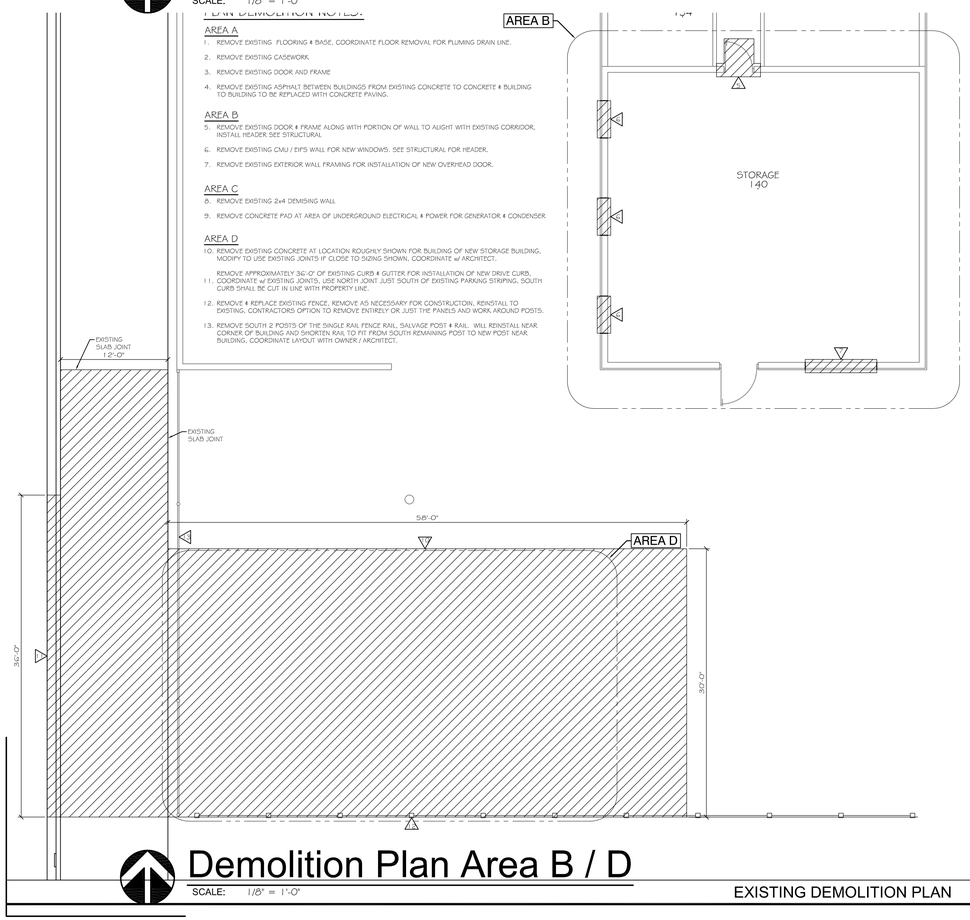
Panhandle Public Health Alterations

Scottsbluff Offices
18 W. 16th Street
Scottsbluff Nebraska



Demolition Plan Area A / C

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



PLAN DEMOLITION NOTES:

AREA A

1. REMOVE EXISTING FLOORING & BASE, COORDINATE FLOOR REMOVAL FOR PLUMING DRAIN LINE.
2. REMOVE EXISTING CASEWORK.
3. REMOVE EXISTING DOOR AND FRAME
4. REMOVE EXISTING ASPHALT BETWEEN BUILDINGS FROM EXISTING CONCRETE TO CONCRETE & BUILDING TO BUILDING TO BE REPLACED WITH CONCRETE PAVING.

AREA B

5. REMOVE EXISTING DOOR & FRAME ALONG WITH PORTION OF WALL TO ALIGHT WITH EXISTING CORRIDOR, INSTALL HEADER SEE STRUCTURAL
6. REMOVE EXISTING CMU / EIFS WALL FOR NEW WINDOWS. SEE STRUCTURAL FOR HEADER.
7. REMOVE EXISTING EXTERIOR WALL FRAMING FOR INSTALLATION OF NEW OVERHEAD DOOR.

AREA C

8. REMOVE EXISTING 2x4 DEMISING WALL
9. REMOVE CONCRETE PAD AT AREA OF UNDERGROUND ELECTRICAL & POWER FOR GENERATOR & CONDENSER

AREA D

10. REMOVE EXISTING CONCRETE AT LOCATION ROUGHLY SHOWN FOR BUILDING OF NEW STORAGE BUILDING, MODIFY TO USE EXISTING JOINTS IF CLOSE TO SIZING SHOWN. COORDINATE w/ ARCHITECT.

    REMOVE APPROXIMATELY 36'-0" OF EXISTING CURB & GUTTER FOR INSTALLATION OF NEW DRIVE CURB,
11. COORDINATE w/ EXISTING JOINTS, USE NORTH JOINT JUST SOUTH OF EXISTING PARKING STRIPING, SOUTH CURB SHALL BE CUT IN LINE WITH PROPERTY LINE.
12. REMOVE & REPLACE EXISTING FENCE, REMOVE AS NECESSARY FOR CONSTRUCTION, REINSTALL TO EXISTING, CONTRACTORS OPTION TO REMOVE ENTIRELY OR JUST THE PANELS AND WORK AROUND POSTS.
13. REMOVE SOUTH 2 POSTS OF THE SINGLE RAIL FENCE RAIL, SALVAGE POST & RAIL. WILL REINSTALL NEAR CORNER OF BUILDING AND SHORTEN RAIL TO FIT FROM SOUTH REMAINING POST TO NEW POST NEAR BUILDING. COORDINATE LAYOUT WITH OWNER / ARCHITECT.

Demolition Plan Area B / D

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

EXISTING DEMOLITION PLAN

General:

A100	Demolition Plan & Title Sheet

Civil:

C101	Site Plan & Details

Structural:

S101	Foundation & Framing Plan
S102	Structural Details

Architectural:

A101	Floor Plans
A102	Schedules & Details
A103	Interior Elevations & Details
A104	Reflected Ceiling Plan
A201	Exterior Elevations & Sections
A202	Sections & Details

Mechanical:

E100D	Electrical Demolition Plans
P100	Plumbing
M100	Mechanical
M200	Mechanical Schedule and Details
E100	Lighting Plan
E101	Electrical Plan - Overall
E200	Power Plan
E300	Electrical Riser & Schedules
ME100	Mechanical/Electrical Specifications

PROJECT TITLE

-

GENERAL NOTES:

1. DO NOT SCALE THESE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY DISCREPANCIES IN THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO STARTING WORK.
2. PROVIDE EACH SUBCONTRACTOR WITH A COMPLETE AGENCY-PERMITTED DRAWING SET AT TIME OF CONSTRUCTION.
3. ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT CLEAR.
4. GENERAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL ASPECTS OF THE PROJECT DESCRIBED IN THIS DRAWING SET UNLESS OTHERWISE NOTED.
5. IT IS INTENDED THAT A COMPLETE OCCUPIED BUILDING PROJECT IS PROVIDED.
6. THIS PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF IBC 2018 AND NFPA 101 - 2012 LIFE SAFETY AND ALL WORK SHALL COMPLY WITH SAME AS WELL AS ALL APPLICABLE CODES, ORDINANCES, LAWS SAFETY ORDERS AND DIRECTIVES OF THE STATE OF NEBRASKA,SCOTTS BLUFF COUNTY, CITY OF SCOTTSBLUFF.
7. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, FEES, CERTIFICATES OF INSPECTIONS AND APPROVAL UNLESS OTHERWISE NOTED. PLANS HAVE BEEN SUBMITTED TO THE STATE FIRE MARSHALL BY THE ARCHITECT. ALL OTHER PERMIT & FEES SHALL BE SUBMITTED BY CONTRACTOR.
8. THIS SET OF CONTRACT DRAWINGS ARE FOR PERMIT PURPOSE, GENERAL BUILDING CONSTRUCTION AND BIDDING. ALL FINISH BUILDING ELEVATIONS, INTERIOR FINISHES, WEATHERIZATION, EQUIPMENT INSTALLATION, MECHANICAL & ELECTRICAL NOT NOTED WITHIN PLANS SHALL BE THE RESPONSIBILITY OF THE OWNER AND CONTRACTOR TOGETHER TO PROVIDE A COMPLETED PROJECT.
9. THESE DRAWINGS DO NOT INDICATED THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL DETERMINE CONSTRUCTION PROCEDURES AND SEQUENCES AND ENSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENTS DURING CONSTRUCTION. SAFETY MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT ETC.
10. ALL MATERIALS, FABRICATIONS, AND / OR INSTALLATION SHALL COMPLY WITH ALL TECHNICAL AND INDUSTRY STANDARDS AND SPECIFICATIONS FOR EACH DIVISION OF WORK.
11. ALL FINISH ITEMS SUCH AS HARDWARE, PLUMBING AND ELECTRICAL, FIXTURES, KITCHEN EQUIPMENT, SIGNAGE, AND MATERIAL TEXTURES AND COLORS SHALL BE APPROVED BY THE OWNER PRIOR TO FABRICATION AND INSTALLATION.
12. ALL WORK, APPARATUSES, FIXTURES AND THE STRUCTURE SHALL BE PROTECTED IN ALL RESPECTS FROM WEATHER, ALL BUILDING HAZARDS, FIRE, UNNECESSARY INTRUSIONS, DUST, DIRT & DEBRIS.
13. EACH SUBCONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN, FOR THE DURATION OF CONSTRUCTION ALL REQUIRED SCAFFOLDS, TARPAULINS, WARNING SIGNS, FENCES AND OTHER TEMPORARY CONSTRUCTION ITEMS FOR THE PROPER AND SAFE COMPLETION OF THE WORK, AND FOR COMPLIANCE WITH ALL APPLICABLE REGULATIONS AND CODES.
14. IN THE CASE OF DISCREPANCIES OR INCONSISTENCIES APPEARING IN THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS THE ARCHITECT SHALL BE NOTIFIED FOR PROPER ADJUSTMENT. IN NO CASE SHALL WORK PROCEED IN UNCERTAINTY OR WITH INSUFFICIENT DATA.
15. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL ASPECTS OF THE PROJECT FOR TIMING OF INSTALLATION, COORDINATE OF CONSTRUCTION AND EQUIPMENT INSTALLATION ALONG WITH ALL SUBCONTRACTORS ACCESS AND WORK WITH THE OWNERS REPRESENTATIVE.

Building Data:

PROJECT NAME:	PANHANDLE PUBLIC HEALTH DISTRICT		
ADDRESS:	18 W. 16TH STREET 808 BOX BUTTE AVENUE SCOTTSBLUFF NEBRASKA		
PROJECT OWNER:	PANHANDLE PUBLIC HEALTH DISTRICT 808 BOX BUTTE AVENUE HEMINGFORD NEBRASKA		
BUILDING USE:	OFFICE BUILDING		
APPLICABLE CODES:	2018 IBC NFPA 101, 2000 LIFE SAFETY ADA STANDARD ACCESSIBLE DESIGN		
OCCUPANCY:	B - BUSINESS		
CONSTRUCTION TYPE:	TYPE VA		
ZONING:	C-1 CENTRAL BUSINESS DISTRICT		
ALLOWABLE AREA:	14,000 SF	AREA TOTAL:	10,100 SF
ALLOWABLE STORIES:	2	STORIES:	1
ALLOWABLE HEIGHT:	50 FEET	HEIGHT:	25'-0"
SPRINKLER SYSTEM:	NO		
MIXED OCCUPANCY:	NO		
MAIN BUILDING SF:	6,925 SF		
RENOVATION SF:	1,400 SF		
EX. STORAGE SF:	1,200 SF		
RENOVATION SF:	1,200 SF		
NEW BUILDING SF:	1,104 SF		

PROJECT BIDDING NOTES

LEE DAVIES ARCHITECTURE

2120 BIRCHWOOD ROAD - NORTH PLATTE NEBRASKA 69101 - PHONE: 308.530.9138

Project Number: 26-213

Date: November, 11 2026

Set Number:

PROJECT ARCHITECT

DESCRIPTION: 1 11-5-2026

DATE: 1

I, Lee Davies, Registered Architect, am the Coordinating Professional on the Panhandle Public Health Alterations

LEE JOHN DAVIES A-3936 11-5-2026 STATE OF NEBRASKA

PROJECT ARCHITECT:

LEE DAVIES ARCHITECTURE

2120 BIRCHWOOD ROAD - NORTH PLATTE NEBRASKA 69101 - PHONE: 308.530.9138

PROJECT INFORMATION:

TITLE: Cover Sheet Index

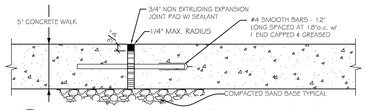
PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

PROJECT NUMBER: 26-213

ISSUE DATE: November 5, 2026

DRAWN BY: ljd ~

SHEET NUMBER: A100

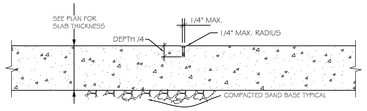


D 1 / C101

Expansion Joint @ Walks (EJ)

SCALE: 1 1/2" = 1" - 0"

NOTE: PROVIDE AS SHOWN WITH A MAXIMUM DISTINCE BETWEEN JOINTS OF 50'-0"

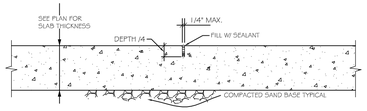


D 2 / C101

Handformed Joint (CJ)

SCALE: 1 1/2" = 1" - 0"

FOR PARKING & WALKS

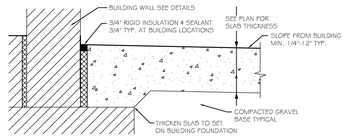


D 3 / C101

Sawed Joint (CJ)

SCALE: 1 1/2" = 1" - 0"

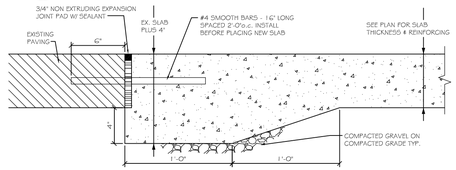
FOR PARKING & WALKS



D 4 / C101

Expansion @ Building

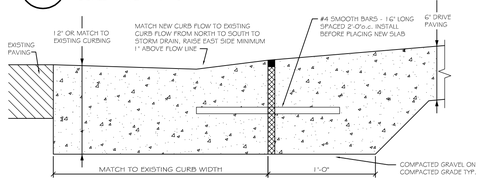
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D 5 / C101

Expansion Joint @ Existing (EJE)

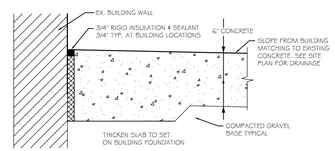
SCALE: 1 1/2" = 1" - 0"



D 6 / C101

Curb Gutter Drive

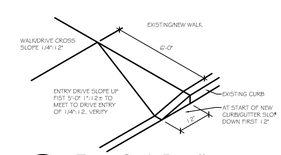
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D 7 / C101

Expansion @ Ex. Building

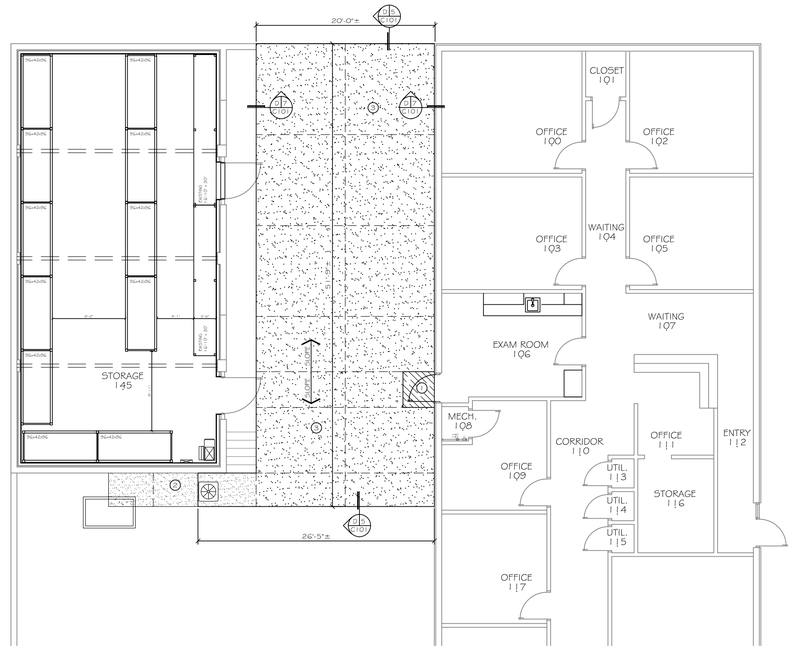
SCALE: 1 1/2" = 1" - 0"



D 8 / C101

Entry Curb Detail

SCALE: NO SCALE



Site Plan Area A / C

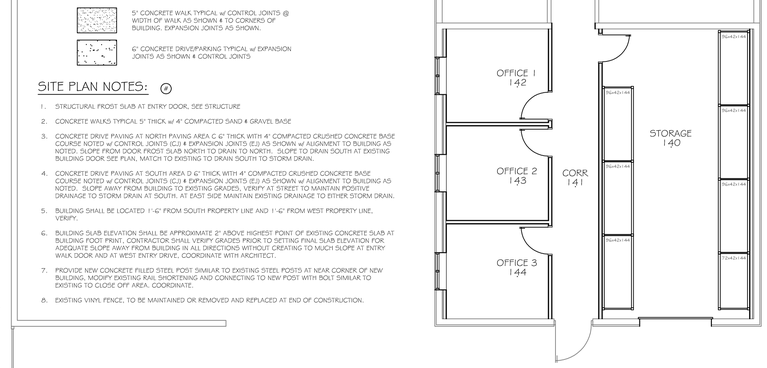
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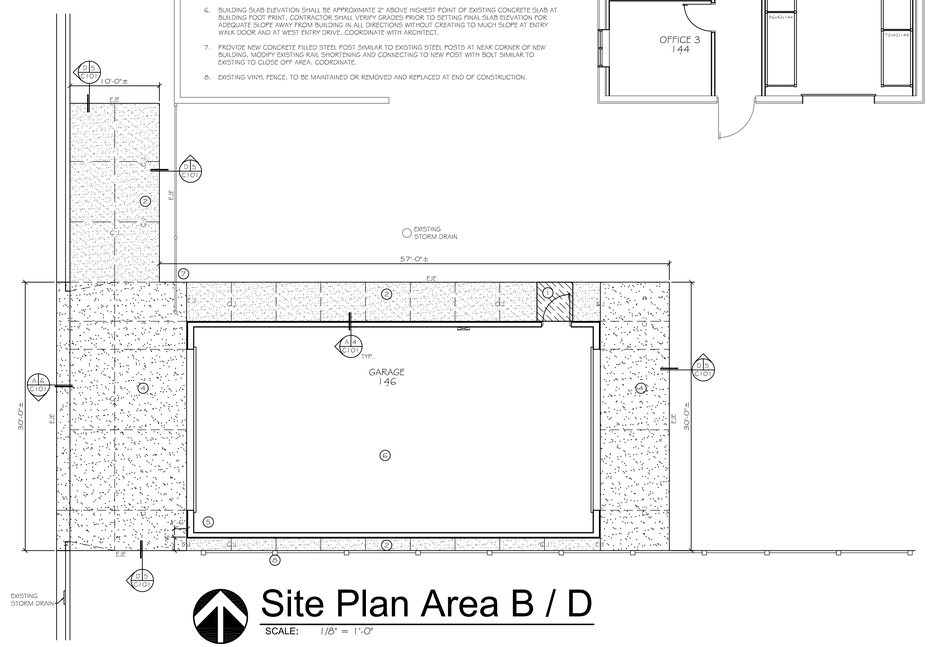
SITE IMPROVEMENTS LEGEND:

- CONCRETE WALK CONTROL JOINT SEE DETAILS SHEET A101
- CONCRETE WALK EXPANSION JOINT SEE DETAILS SHEET A101
- 5" CONCRETE WALK TYPICAL w/ CONTROL JOINTS @ WIDTH OF WALK AS SHOWN & TO CORNERS OF BUILDING. EXPANSION JOINTS AS SHOWN.
- 6" CONCRETE DRIVE/PARKING TYPICAL w/ EXPANSION JOINTS AS SHOWN & CONTROL JOINTS

SITE PLAN NOTES:

1. STRUCTURAL FROST SLAB AT ENTRY DOOR, SEE STRUCTURE
2. CONCRETE WALKS TYPICAL 5" THICK w/ 4" COMPACTED SAND & GRAVEL BASE
3. CONCRETE DRIVE PAVING AT NORTH PAVING AREA C 6" THICK WITH 4" COMPACTED CRUSHED CONCRETE BASE COURSE NOTED w/ CONTROL JOINTS (CJ) & EXPANSION JOINTS (EJ) AS SHOWN w/ ALIGNMENT TO BUILDING AS NOTED. SLOPE FROM DOOR FROST SLAB NORTH TO DRAIN TO NORTH. SLOPE TO DRAIN SOUTH AT EXISTING BUILDING DOOR SEE PLAN. MATCH TO EXISTING TO DRAIN SOUTH TO STORM DRAIN.
4. CONCRETE DRIVE PAVING AT SOUTH AREA D 6" THICK WITH 4" COMPACTED CRUSHED CONCRETE BASE COURSE NOTED w/ CONTROL JOINTS (CJ) & EXPANSION JOINTS (EJ) AS SHOWN w/ ALIGNMENT TO BUILDING AS NOTED.. SLOPE AWAY FROM BUILDING TO EXISTING GRADES. VERIFY AT STREET TO MAINTAIN POSITIVE DRAINAGE TO STORM DRAIN AT SOUTH. AT EAST SIDE MAINTAIN EXISTING DRAINAGE TO EITHER STORM DRAIN.
5. BUILDING SHALL BE LOCATED 1'-6" FROM SOUTH PROPERTY LINE AND 1'-6" FROM WEST PROPERTY LINE. VERIFY.
6. BUILDING SLAB ELEVATION SHALL BE APPROXIMATE 2" ABOVE HIGHEST POINT OF EXISTING CONCRETE SLAB AT BUILDING FOOT PRINT. CONTRACTOR SHALL VERIFY GRADES PRIOR TO SETTING FINAL SLAB ELEVATION FOR ADEQUATE SLOPE AWAY FROM BUILDING IN ALL DIRECTIONS WITHOUT CREATING TO MUCH SLOPE AT ENTRY WALK DOOR AND AT WEST ENTRY DRIVE. COORDINATE WITH ARCHITECT.
7. PROVIDE NEW CONCRETE FILLED STEEL POST SIMILAR TO EXISTING STEEL POSTS AT NEAR CORNER OF NEW BUILDING. MODIFY EXISTING RAIL SHORTENING AND CONNECTING TO NEW POST WITH BOLT SIMILAR TO EXISTING TO CLOSE OFF AREA. COORDINATE.
8. EXISTING VINYL FENCE, TO BE MAINTAINED OR REMOVED AND REPLACED AT END OF CONSTRUCTION.





Site Plan Area B / D

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

DESCRIPTION:
1 11-5-2026

DATE:
1



PROJECT ARCHITECT:

LEE DAVIES ARCHITECTURE
2120 BIRCHWOOD ROAD - NORTH PLATTE NEBRASKA 69101 - PHONE: 308.530.9138

PROJECT INFORMATION:

TITLE: Site Plan & Details

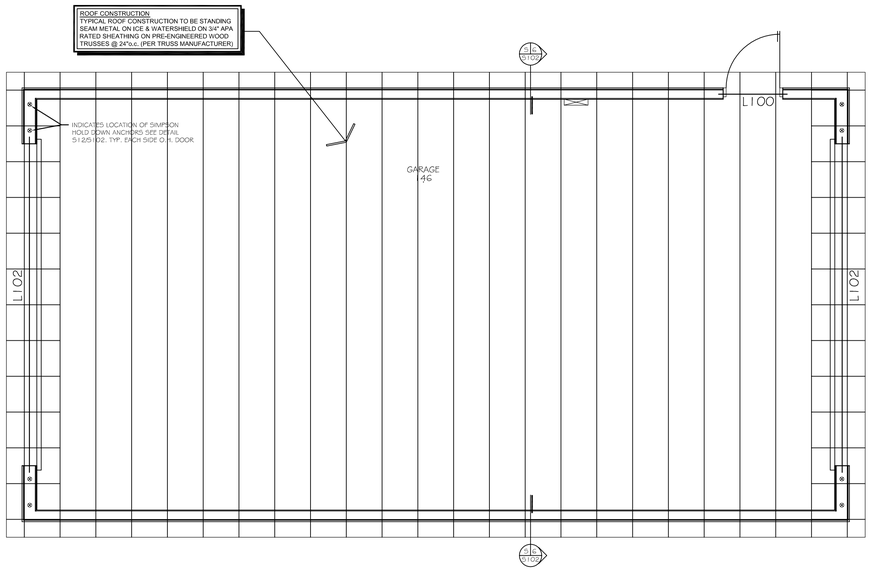
PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

PROJECT NUMBER: 26-213

ISSUE DATE: November 5, 2026

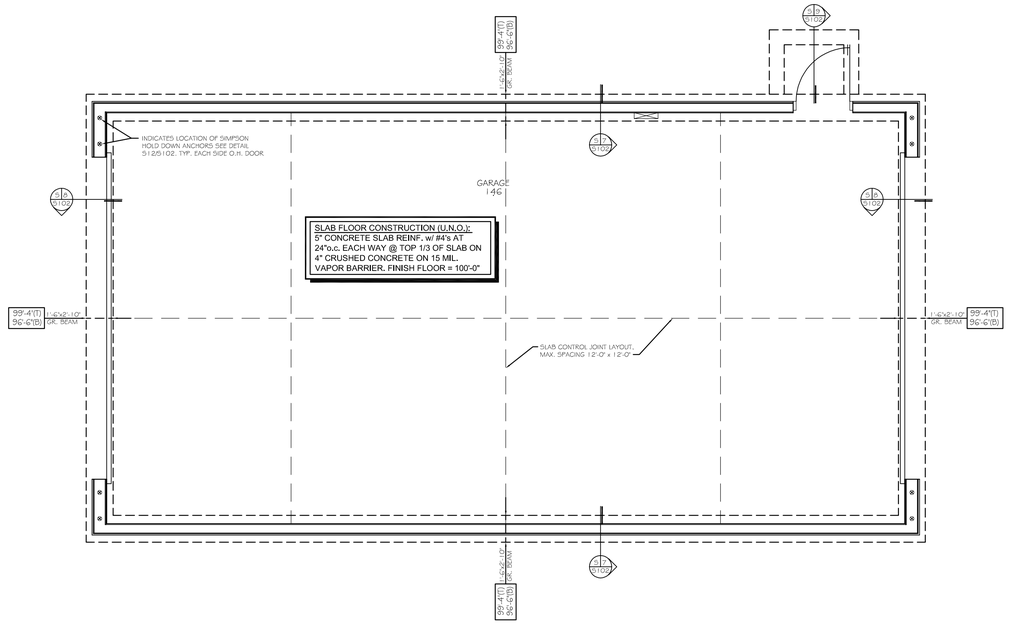
DRAWN BY: ljd ~

SHEET NUMBER: C101



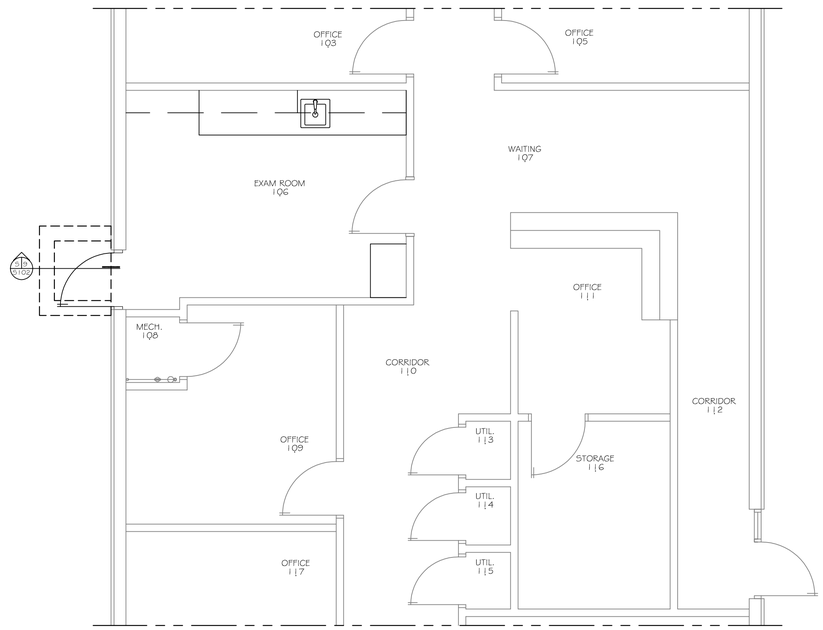
Framing Plan Area D

SCALE: 1/4" = 1'-0"



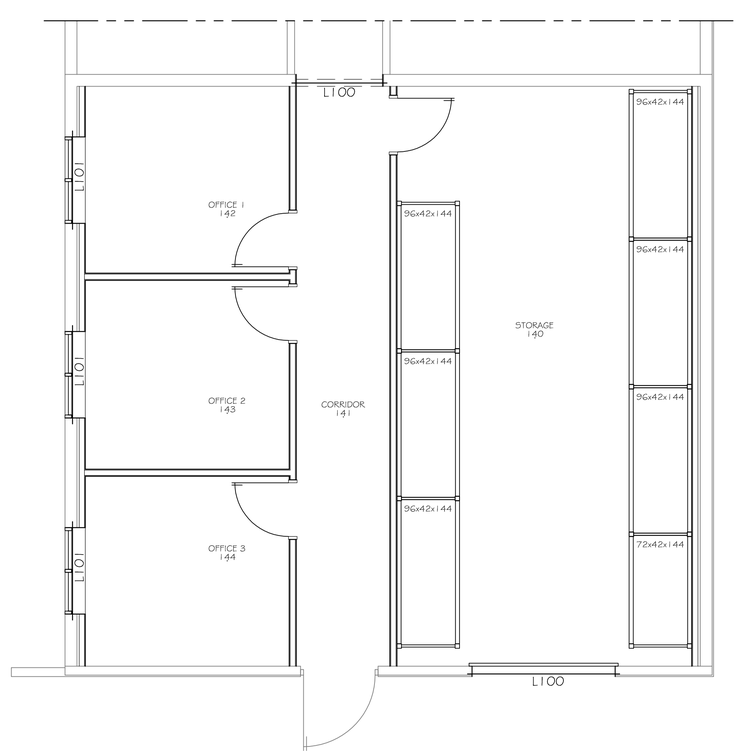
Foundation Plan Area D

SCALE: 1/4" = 1'-0"



Foundation Plan Area A

SCALE: 1/4" = 1'-0"



Framing Plan Area B

SCALE: 1/4" = 1'-0"

DESCRIPTION:
1 11-5-2026

DATE:
1

PROJECT ARCHITECT:

LEE DAVIES ARCHITECTURE
2120 BIRCHWOOD ROAD - NORTH PLATTE NEBRASKA 69101 - PHONE: 308.530.9138

PROJECT INFORMATION:

TITLE: Foundation & Roof Framing Plans

PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

PROJECT NUMBER: 26-213

ISSUE DATE: November 5, 2026

DRAWN BY: ljd ~

SHEET NUMBER: S101

CODES
IBC 2018
ASCE 7-16
ACI 318-14 (Cast-in-Place Concrete)
AISC 360-16 (Structural Steel)

DESIGN LOADS:
Risk Category.....II
Snow Loads
Ground Snow (Pg).....25 psf
Flat roof snow (Pf).....30 psf
Snow exposure (Ce).....1.0
Thermal factor (Ct).....1.0
Importance factor (Is).....1.0
Rain on snow [Pg > 20 psf].....NA
Unbalanced snow loads.....ASCE 7 Section 7.6
Wind Loads
Basic wind speed.....120 M.P.H.
Importance factor (Iw).....1.00
Exposure.....C
Net uplift.....20 psf
Cladding.....see applicable tables in IBC 2018
Seismic Loads
Site class/ification.....D
Importance factor (Ie).....1.0
Seismic use group.....III
Seismic design category.....A
Spectral response coefficients
Ss = 0.078 Sds=0.083
S1 = 0.0318 Sd1=0.051
Basic seismic force resisting system:.....concentrically braced steel frames
Analysis procedure:.....Equivalent lateral force

Live Loads
Roof 30 psf
Floors 100 psf
Floors(Light Storage) 125 psf

FOUNDATIONS:
1. The CONTRACTOR shall exercise extreme caution so as to not undermine, disturb, damage, or in any way cause un-desirable movement, cracking, and/or settlement of adjacent construction. The CONTRACTOR is completely responsible for all shoring, forming, bracing, etc.
2. All footings have been designed for a "net" allowable bearing pressure of 1,500 psf when supported by compacted sub-grade. See the specifications and verify with on-site geotechnical engineer's representative.
3. Sub-soils supporting or in direct contact with footings, slabs on grade, or other foundation elements shall be protected against freezing conditions that could cause movements or other detrimental effect to the structure as a whole or to any of its component parts.
4. The CONTRACTOR shall employ the services of an Independent geotechnical engineer, coordinated by the CONTRACTOR, to perform all required field observations and tests.

CONCRETE:
1. Footing widths not dimensioned shall be a total of 12" wider than the wall above (16" minimum).
2. All concrete work shall conform to ACI 301 and ACI 318. All reinforcing supplied shall conform to ACI 315.
3. Dowels shall be set 3" from the bottom of footing and shall extend above the top of footing the minimum distance required for lap lengths or as noted on the drawings. Bars shall be the same size and spacing as bars above.
4. Bars marked continuous shall be in as long of lengths as possible. Lap bars as shown in Typical Reinforcement Table. Laps shall occur in regions of low stress only. Provide corner bars in the same size and number as the continuous reinforcing at all concrete and footing intersections or 90° bends of proper length at the ends of reinforcing bars at intersections.
5. Reinforcing in footings shall be accurately placed before placing concrete. Do not float reinforcing into footings.
6. Mechanically vibrate all concrete.
7. Do not place pipes, ducts, or chases in structural concrete without approval of the ARCHITECT/ENGINEER. See architectural, mechanical, and electrical drawings for locations.
8. Construct form work so concrete members and structures are of size, shape, alignment, elevation, and position indicated within tolerance limits of ACI 117.
9. Finish concrete suspended slabs and slabs on grade per the following criteria according to ASTM E1155, Comply with ACI 302.1R recommendations for screeding, re-straightening, and finishing operations for concrete surfaces. Do not wet concrete surfaces.
A.A. Slabs on grade: specified overall values of flatness F(F)≥35 and levelness F(L)≥25 with minimum local values of flatness F(F)≥24 and levelness F(L)≥17.
A.B. Suspended slabs: specified overall values of flatness F(F)≥30 and levelness F(L)≥20 with minimum local values of flatness F(F)≥24 and levelness F(L)≥15.
10. Control/Construction joints in slab on grade shall be placed at column line intersections or at 16'-0" max. U.N.O.
11. Thicken slabs on grade below non-bearing masonry walls to 8" and reinforce with 2-#4's continuous U.N.O.
12. All reinforcing steel shall be bent cold, detailed, fabricated, and held in place in accordance with the "Manual of Standard Practice For Detailing Reinforced Concrete Structures" [ACI 315 latest edition], except as otherwise detailed or specified.
13. Provide the following concrete cover to reinforcing U.N.O.:
for concrete cast against the earth and permanently exposed to earth: 3"
for concrete exposed to earth or weather: 2"
for concrete not exposed to weather or in contact with earth:
slabs, walls, joists: 3/4"
beams, columns: 1-1/2 "
14. The CONTRACTOR shall exercise extreme caution so as to not undermine, disturb, damage, or in any way cause un-desirable movement, cracking, and/or settlement of adjacent construction. The CONTRACTOR is completely responsible for all shoring, forming, bracing, etc.
15. The concrete mix design for slabs on grade shall be designed to reduce the potential for shrinkage and curling by reducing the amount of cement in the mix and increasing the amount of course aggregate. Placing and finishing techniques shall also be considered in the mix design.
16. Floor slab on grade shall be 4" thick reinforced with 6x6, 6x6 W/M over 15 mill, vapor barrier and 4" crushed concrete sub-grade unless noted otherwise. All mesh reinforcing shall be supplied in sheet stock not roll stock. See the plan for other thicknesses of concrete slabs.
17. All continuous footings and grade beams have been designed for a "net" allowable bearing pressure of 2,000 psf.
18. Sub-soils supporting or in direct contact with footings, slabs on grade, or other foundation elements shall be protected against freezing conditions that could cause movements or other detrimental effect to the structure as a whole or to any of its component parts.
19. All slabs on grade shall bear on properly compacted backfill. Any unacceptable backfill as determined by project's geotechnical engineer, shall be removed and replaced as required by the geotechnicall engineer.
20. The CONTRACTOR will employ the services of an independant geotechnical engineer, coordinated by the CONTRACTOR, to perform all required field observations and tests.
21. Special care shall be taken not to disrupt adjacent construction. The CONTRACTOR is completely responsible for all shoring, forming, bracing, etc.
22. The bottoms of all exterior footings shall be placed at a minimum depth of 48" below finish grade.Coordinate footing elevations with finish grading plan.
23. Submit concrete mix designs to the ENGINEER OF RECORD for approval.
24. Submit shop drawings of reinforcing steel for footings and other concrete work to the ENGINEER OF RECORD for approval.
25. Material Information
28 Day Concrete Strengths (Minimum):
Footings.....3,000 psi
Slab on grade.....4,000 psi
Supported floors, foundation walls, and stoops.....4,000 psi
Reinforcing Bars.....ASTM A615 Grade 60
Welded Bars and Anchors.....ASTM A706 Grade 60
Welded Wire Fabric (WWF).....ASTM A185

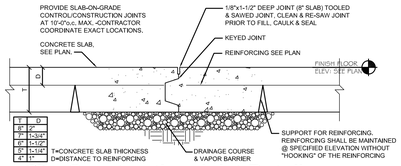
WOOD FRAMING:
1. PROVIDE FRAMING MEMBERS AS INDICATED ON THE DRAWINGS.
2. WOOD FRAMING MEMBERS (STUDS, HEADERS, ETC.) SHALL MEET OR EXCEED THE FOLLOWING GRADE AND DESIGN VALUES:
Fb = 875 PSI
Ft = 450 PSI
Fv = 135 PSI
Fc = 425 PSI (PERPENDICULAR)
Fc = 1,150 PSI (PARALLEL)
E = 1,400,000 PSI
3. FRAMING MEMBERS INDICATED AS PARALLAM SHALL MEET OR EXCEED THE FOLLOWING GRADE AND DESIGN VALUES:
PARALLAM 2.0E (AS MANUFACTURED BY TRUS-JOIST MACMILLAN)
Fb = 2,900 PSI
Fv = 290 PSI
Fc = 650 PSI (PERPENDICULAR)
Fc = 2,900 PSI (PARALLEL)
E = 2,000,000 PSI
4. ALTERNATE WOOD FRAMING MEMBERS SUBJECT TO APPROVAL OF STRUCTURAL ENGINEER. WOOD SHEATHING TO BE FIELD APPLIED (NOTE PANELIZED) AT ALL INTERIOR SHEARWALLS.
5. SEE SHEATHING SCHEDULE FOR REQUIRED SHEATHING THICKNESSES, GRADES, AND NAILING PATTERNS. NOTE BLOCKING REQUIREMENTSS FOR ALL SHEAR WALLS.
6. SEE TABLE 2304.6.1, IBC 2018 FOR TYPICAL NAILING SCHEDULE.
7. ROOF SHEATHING SHALL BE APA RATED 3/4" THICK, 24/12 MINIMUM SPAN RATING U.N.O.

PRE-ENGINEERED WOOD TRUSSES:
1. WOOD TRUSSES ARE TO BE DESIGNED BY THE SUPPLIER BASED ON THE LOADS PROVIDED ABOVE AND ALL SPECIAL LOADS NOTED ON THE DRAWINGS. ALL DRAWINGS SHALL BE STAMPED BY AN ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEBRASKA.
2. SPECIAL CARE SHALL BE TAKEN TO NOTE BEARING LOCATIONS, BEARING ELEVATIONS, AND TRUSS SPACING INDICATED ON THE DRAWINGS.
3. TEMPORARY BRACING OF ALL STRUCTURAL FRAMING SHALL BE PROVIDED BY AND IS THE COMPLETE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
4. ALL TRUSS CONNECTIONS, PERMANENT BRACING, AND TEMPORARY BRACING SHALL BE DESIGNED BY THE SUPPLIER.
5. COORDINATE ALL CONNECTIONS REQUIREMENTS WITH THE TRUSS SUPPLIER.
6. COORDINATE SIZE AND LOCATION OF MECHANICAL OPENINGS WITH MECHANICAL CONTRACTOR.
7. SUBMIT SHOP DRAWINGS TO THE ENGINEER OF RECORD FOR APPROVAL. CLEARLY NDICATE ALL CALCULATIONS, DIMENSIONS, BEARING WALLS, CONNECTIONS, ETC.
8. TRUSS SUPPLIER TO NOTIFY ENGINER OF ANY PROPOSED CHANGE IN TRUSS BEARING CONDITIONS.

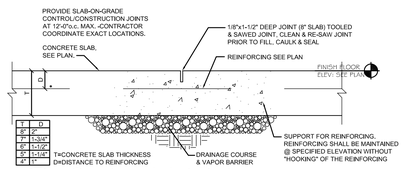
LIGHT GAUGE METAL:
1. Light gauge metal framing shall be designed and manufactured in accordance with the latest edition of "The North American Specification For The Design of Cold Formed Steel Structural Members" and "The Cold Formed Steel Framing Design Guide" of the American Iron and Steel Institute.
2. Provide tracks, blocking lintels, headers, clip angles, strap bracing, shoes, reinforcements, fasteners, and accessories to provide a complete metal frame system.
3. Isolate partitions from structural elements with slip or cushion type joints between steel framing and structure as recommended by steel framing manufacturer to prevent transfer or movements to partitions.
4. Attach similar metals by welding. Attach dis-similar materials by bolting or with screw fasteners.
5. Install horizontal stiffeners in stud system spaced at 40" o.c. vertically maximum. Weld at each intersection.
6. Fasten gypsum board or plywood with " TEK screws at 6" o.c. at all supports and edges.
7. Bearing studs must be fabricated with full stud end seated against track web.
8. Provide double metal stud around all openings and stud wall system at jambs, heads, and sills. Weld at all intersections.
9. Interior metal studs system (studs, headers, sills, tracks, etc.) shall be designed by the supplier (U.N.O.)
10. All exterior studs to be 16 GA. C-shaped at 16" o.c. U.N.O.
11. Provide 2-minimum #ttl8 X-U fasteners at 16" o.c. max. and staggered ea. side at all light gage stud to conc/masonry connections minimum unless noted otherwise.

WOOD FRAMING
1. Provide framing members as indicated on the drawings.
2. Wood framing members (studs, headers, etc.) shall meet or exceed the following grade and design values:
Fb = 875 psi
Ft = 450 psi
Fv = 135 psi
Fc = 425 psi (perpendicular)
Fc = 1,150 psi (parallel)
E = 1,400,000 psi
3. Framing members indicated as Parallam shall meet or exceed the following grade andsleign values:
Parallam 2.0E (as manufactured by Trus-Joist MacMillan)
Fb = 2,900 psi
Fv = 290 psi
Fc = 750 psi (perpendicular)
Fc = 2,900 psi (parallel)
E = 2,000,000 psi
4. Alternate wood framing members subject to approval of engineer of record. Woodsheathing to be field applied (not panelized) at all interior shearwalls unless noted otherwise.
5. See Sheathing Schedule for required sheathing thicknesses, grades, and nailing patterns.
Note blocking requirements for all shear walls.
6. See table 2304.9.1, IBC 2018 for typical nailing schedule.
7. Roof sheathing shall be APA rated 5/8" thick, 32/16 min. span rating u.n.o.
8. Wall sheathing shall be APA rated 1/2" thick, 24/16 min. span rating u.n.o.
9. General contractor to coordinate termite protection system/options with owner.

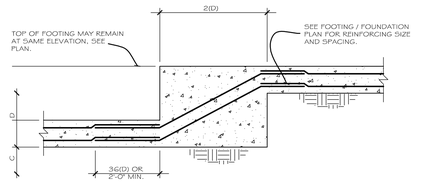
SPECIAL INSPECTIONS:
1. The CONTRACTOR will employ the services of an independent inspection agency, coordinated by the contractor.
2. Special Inspections shall be performed by an independent inspection agency in conformance with IBC 2018, section 1704 and as noted below. Testing and Inspection shall be conducted under the supervision of a licensed engineer employed by the Inspection agency. The engineer shall be deemed the designated engineer of record for special inspections performed by his/her firm or his/her consultants. Inspectors shall be ICBO certified as a minimum requirement and approved by the BUILDING OFFICIAL.
3. The designated engineer of record for special inspections shall be responsible for defining the activities of the inspectors, for certifying the qualifications of the inspectors with the building official, for attending the pre-construction meeting to define the scope of serivces and testing or testing procedures that are required as outlined in IBC 2018. The designated engineer of record for special inspections shall meet with the ARCHITECT prior to the pre-construction meeting.
4. Special Inspection shall be provided in addition to the inspections conducted by the local building department and shall not be construed to relieve the owner or his authorized agent from requesting the periodic and called out Inspections required by section 104.4 of IBC 2018.
5. The CONTRACTOR shall notify Inspection agency when construction is ready for inspection.
6. The CONTRACTOR shall provide access to construction that is elevated above grade.
7. Non-conforming inspected items shall be corrected and re-inspected before being covered by further construction. Costs for re-inspected items shall be paid for by the CONTRACTOR.
8. Special inspections required include, but may not be limitted to the following:
a. CONCRETE per table 1705.3 and section 1704.4 with all applicable exceptions
b. ANCHOR RODS installed in concrete per table 1705.3
c. REINFORCING per table 1705.3
d. STRUCTURAL STEEL AND WELDING per requirements of AISC 360 and AWS,
e. STRUCTURAL MASONRY per section 1705.4
f. GRADING, EXCAVATION, AND FILLING per section 1705.6 [see the Geotechnical Report]
g. EXPANSION BOLTS, SCREW ANCHORS, AND ADHESIVE ANCHOR INSTALLATION to verify installation in accordance with ICBO reports for the respective item.
h. PILE FOUNDATIONS PER on site geotechnical engineer's representative
9. Reports of special inspections shall be submitted to the CONTRACTOR and to the ARCHITECT. A final report shall be compiled by the inspection agency for submission to the OWNER, CONTRACTOR, ARCHITECT, and BUILDING OFFICIAL.



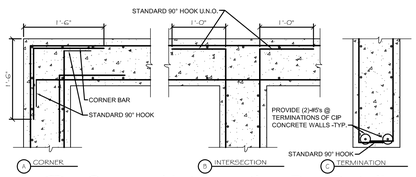
S 1 / S102 Construction Joint Detail
SCALE: 3/4" = 1'-0"



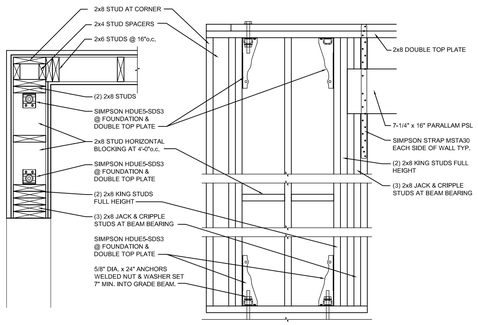
S 2 / S102 Control Joint Detail
SCALE: 3/4" = 1'-0"



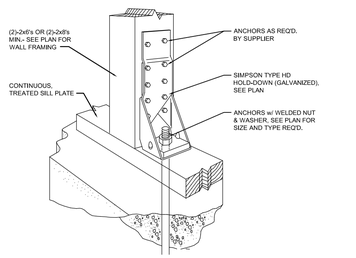
S 3 / S102 Step Footing Detail
SCALE: 3/4" = 1'-0"



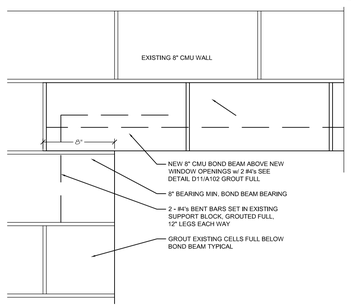
S 4 / S102 Corner / Intersection Bar Detail
SCALE: 3/4" = 1'-0"



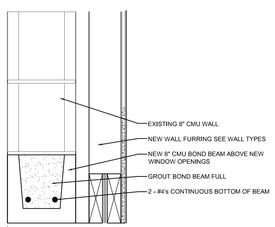
S 12 / S102 Wall Framing @ O.H. Door Typ.
SCALE: NO SCALE



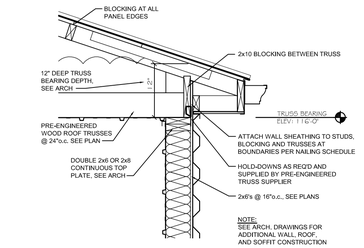
S 5 / S102 Typ. Foundation Hold-Down
SCALE: NO SCALE



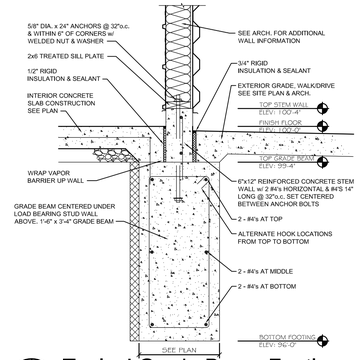
D 10 / A102 Bond Beam @ Support
SCALE: 1 1/2" = 1'-0"



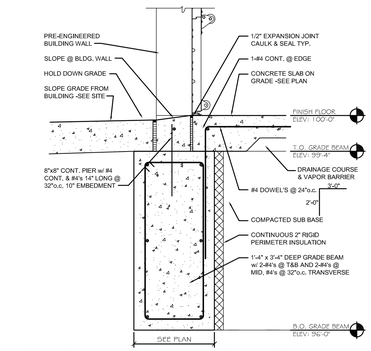
D 11 / A102 Bond Beam @ New Openings
SCALE: 1 1/2" = 1'-0"



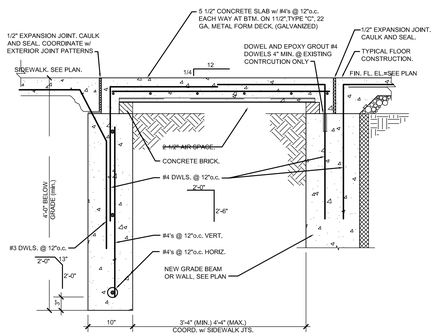
S 6 / S102 Typical Truss Bearing Detail
SCALE: 3/4" = 1'-0"



S 7 / S102 Typical Grade Beam Footing
SCALE: 3/4" = 1'-0"



S 8 / S102 Grade Beam @ O.H. Door
SCALE: 3/4" = 1'-0"



S 9 / S102 Typ. Frost Slab
SCALE: NO SCALE

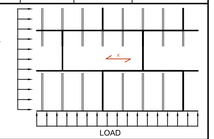
FOUNDATION REINF. GRADE BEAM SCHEDULE

SIZE	REINFORCING			REMARKS
	CONTINUOUS	TRANSVERSE	CONTINUOUS	
1'-6" x 3'-4" DEEP	(2)-#4's T&B (2)-#4'S MID-HT.	--	#4s @ 24"o.c.	ALTERNATE HOOK LOCATIONS

SHEATHING SCHEDULE

MARK	LOAD	PANEL MATERIAL	BLOCKING	NAILING BOUNDARIES / EDGES	MIN. NOMINAL WIDTH OF MEMBER	MINIMAL NAIL PENETRATION
ROOF	475 PLF	3/4" APA RATED SHEATHING - EXPOSURE 1 w/ MIN. SPAN RATING 24/16	YES	8d @ 6"o.c. 8d @ 6"o.c.	2"	1-3/8"
ALL WALLS (U.N.O.)	400 PLF	1/2" APA RATED SHEATHING - EXPOSURE 1 w/ MIN. SPAN RATING 24/16	YES	4d @ 6"o.c.	2"	1-3/8"

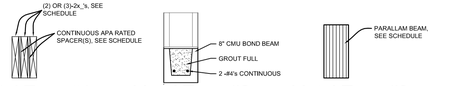
NOTES:
1. NAIL SPACING SHOWN SHALL BE AT ALL SUPPORTED EDGES. NAIL SPACING AT INTERMEDIATE SUPPORTS SHALL BE 12"o.c.
2. ALL SHEATHING SHALL BE CONTINUOUS OVER TWO SPANS MIN.
3. LAYOUT SHEATHING AS SHOWN AT RIGHT:
4. SEE IBC 2018, CHAPTER 23, TABLE 2304.6.1 FOR FURTHER INFORMATION.
5. FOLLOW ALL APA RECOMMENDATIONS FOR INSTALLATION OF ROOF SHEATHING.



LINTEL / HEADER SCHEDULE

LINTEL	TYPE	MATERIAL	ELEVATION	REMARKS
L100	1	2x's w/ CONT. 1/2" SPACERS	BOTTOM OF LINTEL ELEV. = SEE ARCH.	(TYP. U.N.O.) SEE NOTES BELOW
L101	2	8" CMU BOND BEAM w/ 2 #4'S CONT.	BOTTOM OF LINTEL ELEV. = SEE ARCH.	
L102	3	7" x 14" PARALLAM PSL	BOTTOM OF LINTEL ELEV. = SEE ARCH.	-

NOTES:
1. ALL OPENINGS IN 2x6 LOAD BEARING STUD WALLS WITH 0'-0" - 2'-11" LENGTHS TO HAVE (3)-2x8's WITH (2)-1/2" PLYWOOD SPACERS (MINIMUM) AS HEADERS UNLESS NOTED OTHERWISE.
2. ALL OPENINGS IN 2x6 LOAD BEARING STUD WALLS WITH 3'-0" - 5'-11" LENGTHS TO HAVE (3)-2x10's WITH (2)-1/2" PLYWOOD SPACERS (MINIMUM) AS HEADERS UNLESS NOTED OTHERWISE.
3. ALL OPENINGS IN 2x6 LOAD BEARING STUD WALLS WITH 6'-0" OR GREATER LENGTHS TO HAVE (3)-2x12's WITH (2)-1/2" PLYWOOD SPACERS (MINIMUM) AS HEADERS UNLESS NOTED OTHERWISE.
4. COLUMNS AT LINTELS AND HEADERS AT 2x6 LOAD BEARING STUD WALLS TO BE (3)-2x6's (2-BEARING) UNLESS NOTED OTHERWISE.
5. ALL OPENINGS IN 2x4 LOAD BEARING STUD WALLS WITH 0'-0" - 3'-11" LENGTHS TO HAVE (3)-2x10's WITH (2)-1/2" PLYWOOD SPACERS (MINIMUM) AS HEADERS UNLESS NOTED OTHERWISE.
6. ALL OPENINGS IN 2x4 LOAD BEARING STUD WALLS WITH 4'-0" OR GREATER LENGTHS TO HAVE (3)-2x12's WITH (2)-1/2" PLYWOOD SPACERS (MINIMUM) AS HEADERS UNLESS NOTED OTHERWISE.
7. COLUMNS AT LINTELS AND HEADERS AT 2x4 LOAD BEARING STUD WALLS TO BE (3)-2x4's (2-BEARING) UNLESS NOTED OTHERWISE.



Lintel Type #1 Lintel Type #2 Lintel Type #3

TRUSS SCHEDULE

TRUSS	TYPE	SIZE	BEARING ELEVATION	REMARKS
1	1	24'-0" WIDTH, 12" TAILS, 12" ENERGY HEAL, 4:12 SLOPE	TRUSS BEARING 116'-0" BOTH ENDS	-

NOTES:
1. PROVIDE PRE-ENGINEERED WOOD ROOF TRUSSES WITH FINAL DESIGN PER TRUSS MANUFACTURER.

HOLD DOWN SCHEDULE

HOLD DOWN	ANCHOR DIAMETER	STUD FASTENERS	REQUIRED POST INSTALLED ALLOWABLE ANCHOR TENSION
5/8"Ø x 24" HEADED ANCHOR ROD w/ 3" WASHER & WELDED WASHER & NUT AT BOTTOM	5/8"Ø	-	1,500 LBS.
SIMPSON HDUE5-SDS3 w/ FASTENERS PER SUPPLIER	5/8"Ø	-	2,200 LBS.
SIMPSON HDU2-SDS2.5 w/ FASTENERS PER SUPPLIER	5/8"Ø	-	2,200 LBS.

NOTES:
1. PROVIDE 5/8" ANCHOR RODS @ 32"o.c. MAX. AT SILL PLATE TYP. UNLESS NOTED OTHERWISE.
2. INSTALL ANCHORS PER IBC. THERE SHALL A MINIMUM OF TWO ANCHORS PER SILL PIECE WITH ONE ANCHOR LOCATED NOT MORE THAN 12" OR LESS THEN 4 INCHES FROM EACH END OF EACH PIECE.
3. PROVIDE 5/8"Ø ANCHOR RODS ADJACENT TO WINDOW AND DOOR JAMBS, UNLESS NOTED OTHERWISE.
4. ANCHOR RODS FOR HOLD DOWN CAN BE POST INSTALLED USING AN EPOXY ADHESIVE SYSTEM. THE ANCHOR RODS SHALL BE INSTALLED TO MEET OR EXCEED THE ALLOWABLE TENSION NOTED ABOVE AND EMBEDDED INTO THE GRADE BEAM 9" MINIMUM. WRITTEN APPROVAL REQUIRED FROM STRUCTURAL ENGINEER.
5. ANCHOR RODS TO BE ASTM F1554, GR. 36, GALVANIZED.

NOTES:
1. PAD FOOTINGS TO BE CENTERED UNDER COLUMN ABOVE UNLESS NOTED OTHERWISE. GRADE BEAMS TO BE CENTERED UNDER 2x WALLS U.N.O.
2. FINISHED FLOOR ELEVATION = 100'-0",
3. SEE ARCHITECTURAL DRAWINGS FOR GRID TO GRID, WALL TO GRID, AND WALL TO WALL DIMENSIONS.
4. SLAB ON GRADE CONTROL/CONSTRUCTION JOINTS AT 12'-0" o.c. MAXIMUM. SEE FOUNDATION PLAN, COORDINATE w/ ARCHITECT.
5. ALL REINFORCING STEEL MUST BE SECURED IN PLACE PRIOR TO CONCRETE PLACEMENT.
6. CONTRACTOR COORDINATE MECH./ELEC. SLEEVES @ FOUNDATION w/ MECH./ELEC. TRADES.
7. FINISHED FLOOR ELEVATION = 100'-0",
8. GRADE BEAM REINFORCEMENT SHALL BE CONTINUOUS THRU PAD FOOTINGS.
9. CONTRACTOR COORDINATE AND SUPPLY MECHANICAL UNITS, PENETRATIONS, SIZES, LOCATIONS, AND WEIGHTS TO PRE-ENGINEERED TRUSS SUPPLIER PRIOR TO SHOP DRAWING SUBMITTAL.
10. PROVIDE DOUBLE 2x CONTINUOUS TOP PLATES U.N.O. WITH STAGGERED JOINTS AND OVERLAP (1) AT INTERSECTIONS AND CORNERS.
11. CONNECT HDU HOLD DOWNS @ FLOOR FRAMING TO (2) FULL HEIGHT 2x's ABOVE AND BELOW FLOOR FRAMING, TYP.
12. PROVIDE (3)-2x's MIN. WALL FRAMING FOR ALL PARALLAM BEARING WITHIN WALL FRAMING FOR SUPPORT. COORDINATE WITH WALL LAYOUTS.

24"x3'-4" GR. BEAM | 99'-4"(T) 96'-0"(B) INDICATES TOP & BOTTOM AND SIZE OF GRADE BEAM FOOTING

⊗ INDICATES LOCATIONS OF SIMPSON TYPE HDU2-SDS2.5 HOLD DOWNS, FASTENERS PER SUPPLIER

DESCRIPTION: 1 11-5-2026
DATE: 1

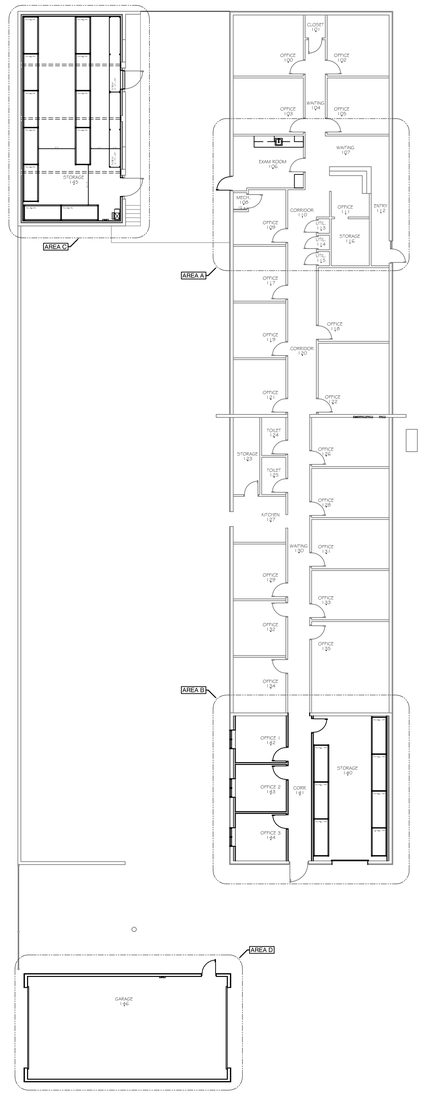
PROJECT ARCHITECT:

LEE DAVIES ARCHITECTURE
2120 BIRCHWOOD ROAD - NORTH PLATTE NEBRASKA 69101 - PHONE: 308.530.9138

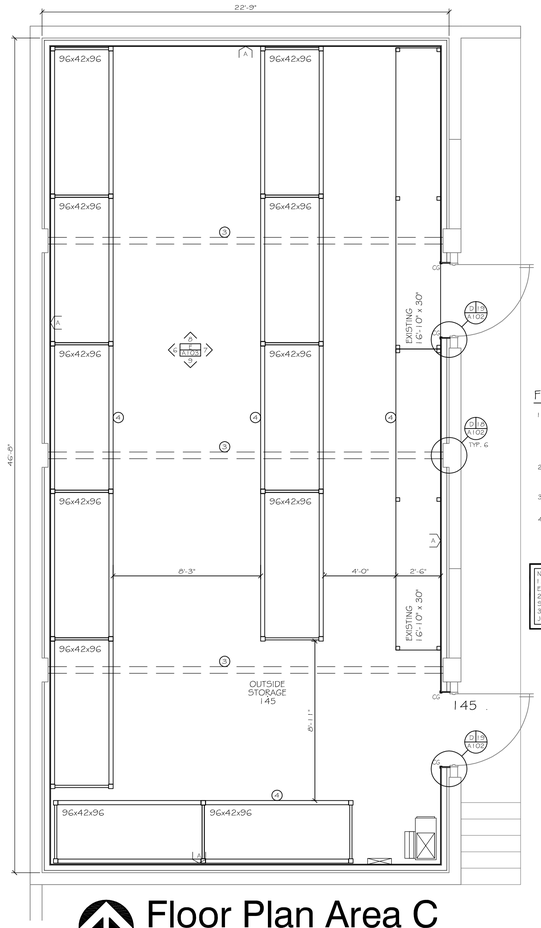
PROJECT INFORMATION:

TITLE: Structural Details
PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

PROJECT NUMBER: 26-213
ISSUE DATE: November 5, 2026
DRAWN BY: ljd ~
SHEET NUMBER: S102



Building Key Areas
SCALE: 1/16" = 1'-0"

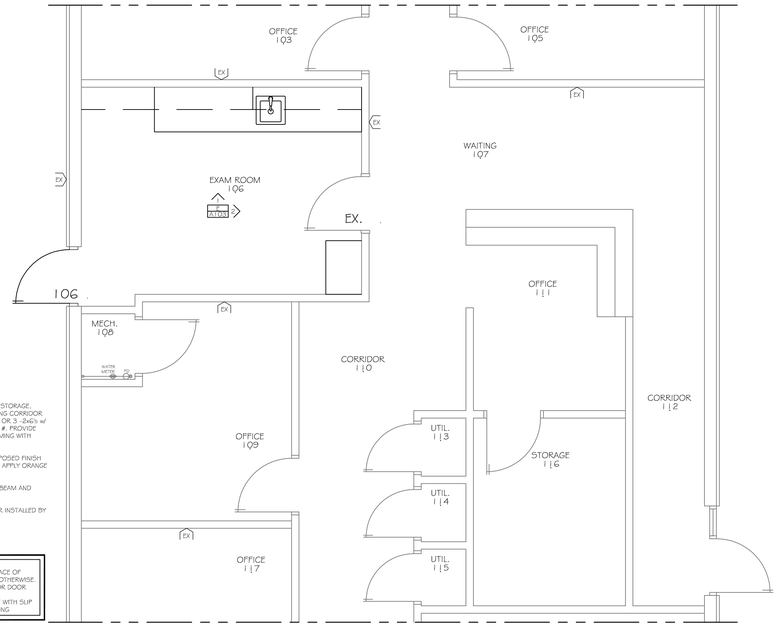


Floor Plan Area C
SCALE: 1/4" = 1'-0"

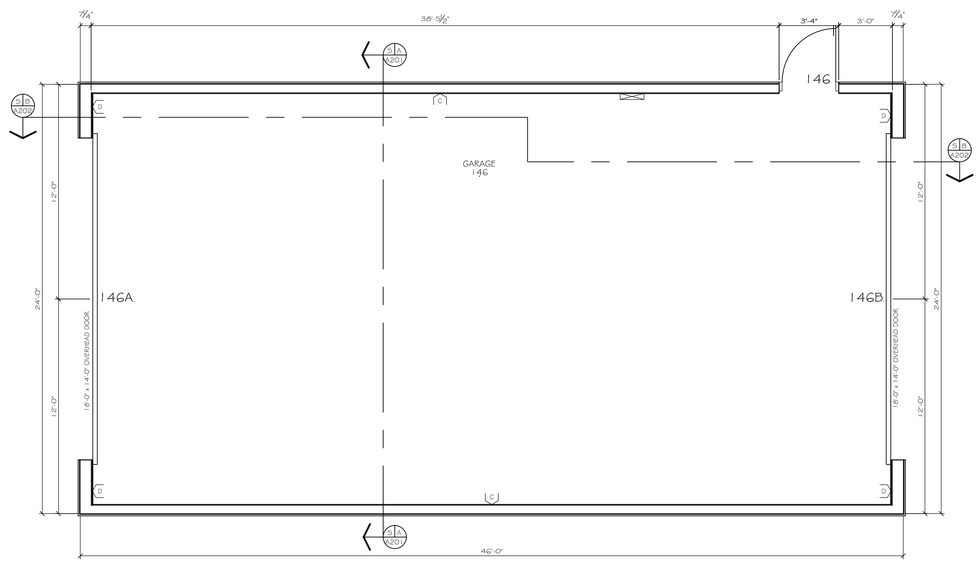
FLOOR PLAN NOTES:

1. AT LOCATION OF EXISTING DOOR FROM CORRIDOR TO STORAGE, REMOVE DOOR, FRAME AND WALL TO WIDTH OF EXISTING CORRIDOR +/-. INSTALL NEW BULKHEAD AT 8'-0"±/-1", FRAMED w/ 2 OR 3 -2x6's w/ 1/2" PLYWOOD SPACER. MATCH TO WALL FRAMING FOR #. PROVIDE DOUBLE 2x4 SUPPORT STUDS. FINISH OUT, WRAP FRAMING WITH DRYWALL. VERIFY EX. WALL FRAMING. COORDINATE.
2. AT EXISTING GYPSUM BOARD WALL # CEILING TO BE EXPOSED FINISH ALL JOINTS TO LEVEL WITH NEW GYPSUM WALL BOARD. APPLY ORANGE PEEL TEXTURE TO MATCH WITH NEW WALLS AND PAINT.
3. EXISTING MULTIPLY 2x BEAM. WRAP DRYWALL AROUND BEAM AND FINISH OUT WITH CEILING.
4. NEW OR EXISTING SHELVING UNITS SUPPLIED BY OWNER INSTALLED BY CONTRACTOR. SEE INTERIOR ELEVATIONS

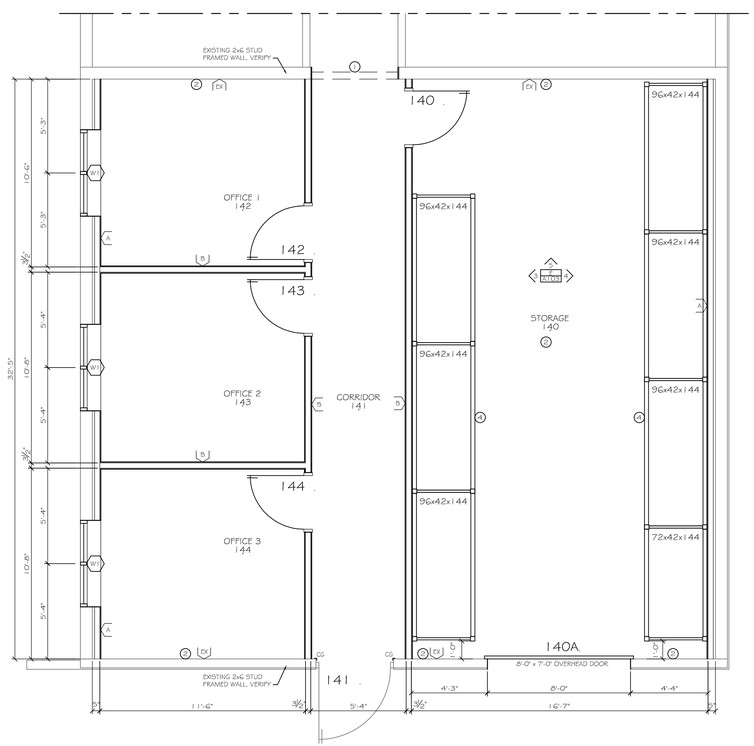
NOTES:
1. ALL DIMENSIONS ARE TO FACE OF STUDS TYPICAL, OR FACE OF EXISTING FINISHED GYPSUM # CMU WALLS, UNLESS NOTED OTHERWISE.
2. PROVIDE SOLID BACKING BEHIND ALL DOORS KNOBS FOR DOOR STOPS, CABINETS, SHELVING, ETC. TYPICAL.
3. ALL INTERIOR NON-BEARING WALL SHALL BE FULL HEIGHT WITH SUP JOINT BELOW TRUSSES. GYPSUM # INSULATION TO EX. CEILING



Floor Plan Area A
SCALE: 1/4" = 1'-0"



Floor Plan Area D
SCALE: 1/4" = 1'-0"



Floor Plan Area B
SCALE: 1/4" = 1'-0"

LEE DAVIES ARCHITECTURE
2120 BIRCHWOOD ROAD - NORTH PLATTE NEBRASKA 69101 - PHONE: 308.530.9138

DESCRIPTION: 1 11-5-2026

DATE: 1

LEE JOHN DAVIES A-3936 11-5-2026 STATE OF NEBRASKA

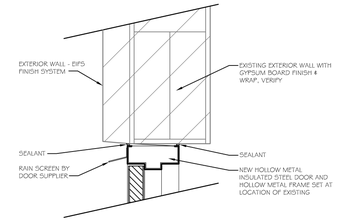
PROJECT ARCHITECT:

PROJECT INFORMATION:

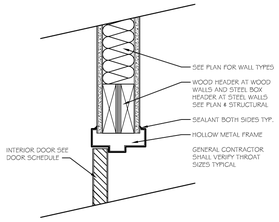
TITLE: Floor Plans

PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

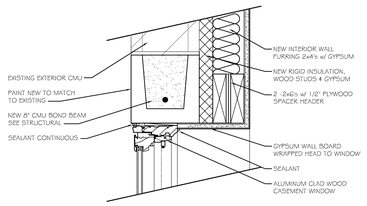
PROJECT NUMBER:	26-213
ISSUE DATE:	November 5, 2026
DRAWN BY:	ljd ~
SHEET NUMBER:	A101



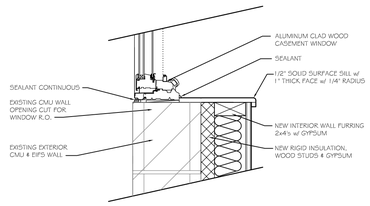
D 1 / A102 **Hollow Metal Door Head**
SCALE: 1-1/2"=1'-0"



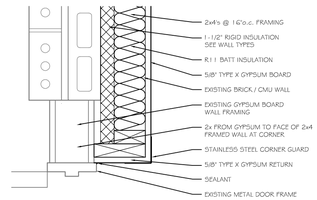
D 7 / A102 **Hollow Metal Head Int.**
SCALE: 1-1/2"=1'-0"



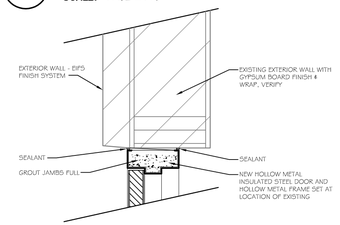
D 15 / A102 **Window Head @ Offices**
SCALE: 1-1/2"=1'-0"



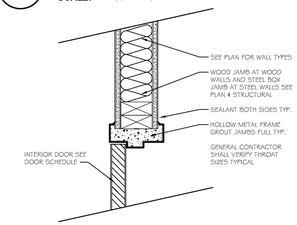
D 17 / A102 **Window Sill @ Offices**
SCALE: 1-1/2"=1'-0"



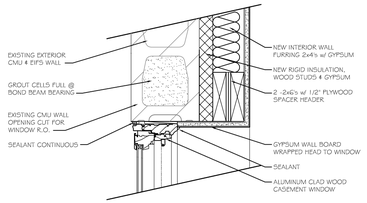
D 19 / A102 **Ex. Storage Door H/J**
SCALE: 1-1/2"=1'-0"



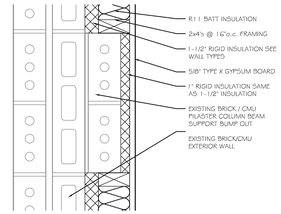
D 2 / A102 **Hollow Metal Door Jamb**
SCALE: 1-1/2"=1'-0"



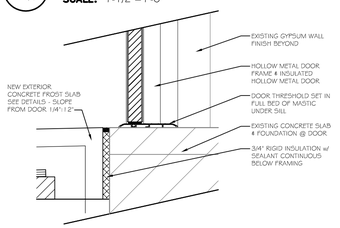
D 8 / A102 **Hollow Metal Jamb Int.**
SCALE: 1-1/2"=1'-0"



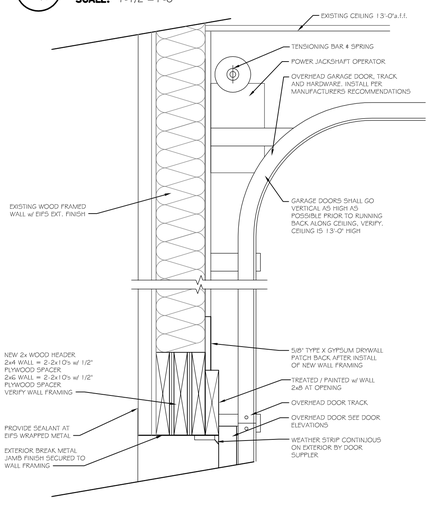
D 16 / A102 **Window Jamb @ Offices**
SCALE: 1-1/2"=1'-0"



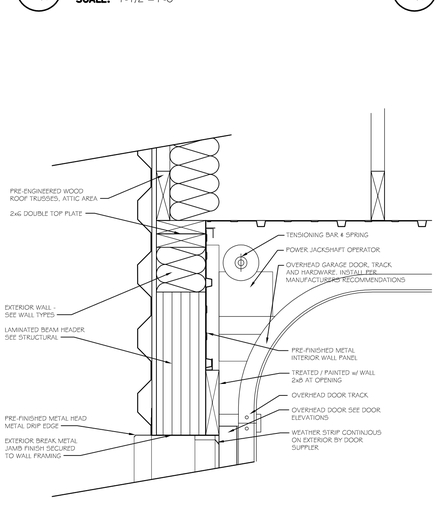
D 12 / A102 **Masonry Pilaster Detail**
SCALE: 1-1/2"=1'-0"



D 3 / A102 **Hollow Metal Door Sill**
SCALE: 1-1/2"=1'-0"

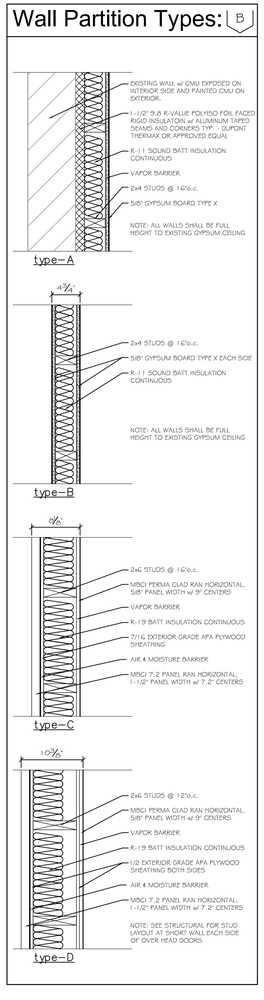


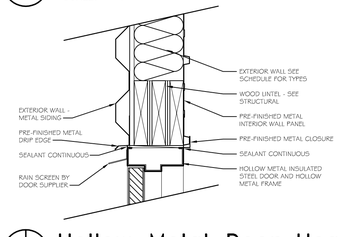
D 10 / A102 **Overhead Door Jamb**
SCALE: 1-1/2"=1'-0"



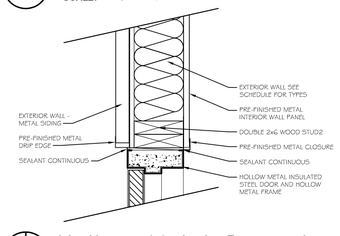
D 13 / A102 **Overhead Door Jamb**
SCALE: 1-1/2"=1'-0"

Wall Partition Types: B

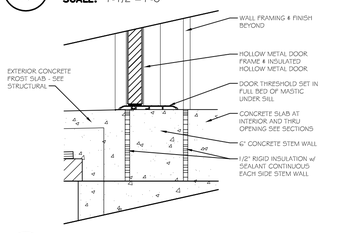




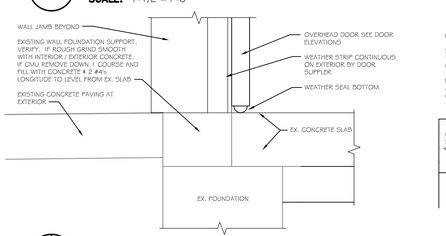
D 4 / A102 **Hollow Metal Door Head**
SCALE: 1-1/2"=1'-0"



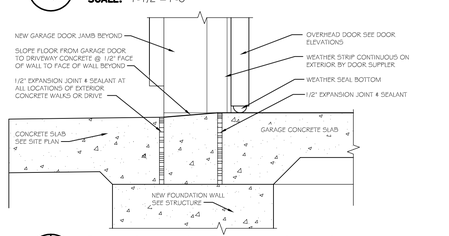
D 5 / A102 **Hollow Metal Door Jamb**
SCALE: 1-1/2"=1'-0"



D 6 / A102 **Hollow Metal Door Sill**
SCALE: 1-1/2"=1'-0"



D 11 / A102 **Overhead Door Jamb**
SCALE: 1-1/2"=1'-0"



D 14 / A102 **Overhead Door Jamb**
SCALE: 1-1/2"=1'-0"

Room Finish Schedule

ROOM DESIGNATIONS		FLOOR	BASE	WALLS				CEILINGS		REMARKS
ROOM #	ROOM NAME	ATERIAL/FINIS	MATERIAL/FINISH	NORTH	EAST	SOUTH	WEST	MATERIAL/FINISH	HEIGHT	
106	EXAM ROOM	LVT	RUB	PT	PT	PT	PT	AC1	10'-0"+/-	NOTE 1 & 5
140	STORAGE	CONC/EX	RUB	PT	PT	PT	PT	GYP/PT	13'-0"	NOTE 2
141	CORRIDOR	CPT	RUB	PT	PT	PT	PT	AC1	10'-0"	NOTE 2
142	OFFICE 1	CPT	RUB	PT	PT	PT	PT	AC1	10'-0"	NOTE 2
143	OFFICE 2	CPT	RUB	PT	PT	PT	PT	AC1	10'-0"	
144	OFFICE 3	CPT	RUB	PT	PT	PT	PT	AC1	10'-0"	NOTE 2
145	OUTSIDE STORAGE	CONC/EX	RUB	PT	PT	PT	PT	GYP/PT	8'-7"+/-	NOTE 3
146	GARAGE	CONC.	CONC.	PT	PT	PT	PT	GYP/PT	16'-0"	

NOTES:
1. AT EXAM ROOM 106, EXISTING WALL FINISH, PATCH ANY WALL ALTERED FOR RENOVATIONS, MATCH TO EXISTING FINISH. PAINT ENTIRE WALLS.
2. AT EXISTING STORAGE SPACE IN MAIN BUILDING EXISTING GYPSUM NORTH, SOUTH WALL AND EXPOSED CEILING FINISH, FINISH ALL JOINTS, PATCH DAMAGE & LIGHT ORANGE PEEL AND PAINT WITH NEW WALLS.
3. GYPSUM CEILING INSTALLED ON BOTTOM OF EXISTING ROOF JOISTS & WRAP WOOD 2x BEAMS, NOTE JOISTS SLOPE FROM 8'-5" TO 8'-10" +/-.
4. ALL FINISHES SHALL BE SELECTED FROM MANUFACTURER'S STANDARD COLORS BY OWNER REPRESENTATIVE, COORDINATED w/ ARCHITECT.
5. VERIFY EXISTING MECHANICAL AND BEAMS, ADJUST CEILING KEEPING AS HIGH AS POSSIBLE TO ALLOW MECHANICAL.

Door & Frame Schedule

DOOR	DOOR							FRAME			DETAILS				REMARKS
#	WIDTH	HEIGHT	HICKNESS	TYPE	FINISH	ELEV.	LABEL	ELEV.	MATRL.	FINISH	HEAD	JAMB	SILL	HDWR	
106	3'-0"	7'-0"	1-3/4"	WD1	PT	1		HF1	16GA	PT	D/A102	D2/A102	D3/A102	HW3	
140	3'-0"	7'-0"	1-3/4"	WD1	TRAN	2	45	HF1	16GA	PT	D7/A102	D8/A102		HW2	
140A	8'-0"	7'-0"	2"	OH1	PRE	3		MTL	MTL	PRE	D9/A102	D10/A102	D11/A102	-	
141	4'-0"	7'-0"	EX.	EX.	EX.			EX.	EX.	EX.					NOTE #1
142	3'-0"	7'-0"	1-3/4"	WD1	TRAN	2		HF1	16GA	PT	D7/A102	D8/A102		HW1	
143	3'-0"	7'-0"	1-3/4"	HM1	TRAN	2		HF1	16GA	PT	D7/A102	D8/A102		HW1	
144	3'-0"	7'-0"	1-3/4"	WD1	TRAN	2		HF1	16GA	PT	D7/A102	D8/A102		HW1	
145	4'-0"	7'-0"	-	EX.	EX.			EX.	EX.	PT					NOTE #1
146	3'-0"	7'-0"	1-3/4"	HM1	PT	1		HF1	16GA	PT	D4/A102	D5/A102	D6/A102	HW3	
146A	18'-0"	14'-0"	2"	OH2	PRE	4		MTL	MTL	PRE	D12/A102	D13/A102	D14/A102	-	
146B	18'-0"	14'-0"	2"	OH2	PRE	4		MTL	MTL	PRE	D12/A102	D13/A102	D14/A102	-	

NOTES:
1. EXISTING (EX.) INSTALLED DOOR PAINT INTERIOR SIDE OF DOOR & FRAME, VERIFY COLOR WITH ARCHITECT.
2. COORDINATE KEYING SCHEDULE WITH OWNER REPRESENTATIVE AND ARCHITECT.
3. FINISH COLOR OF WOOD DOOR SHALL MATCH TO EXISTING DOORS, VERIFY.

Door Hardware Schedule

HARDWARE SCHEDULE

MARK	DOORS	QTY.	DESCRIPTION	FINISH	
HW1	146	3 EA	BALL BEARING HINGES		EXTERIOR HOLLOW METAL
		1 EA	MORTISE LOCK LATCH		ENTRY DOORS
		1 EA	MORTISE CYLINDER		
		1 EA	SURFACE CLOSURE		
		1 EA	THRESHOLD 36"		
		1 EA	SWEEP		
		1 EA	WEATHER STRIPPING		
		1 EA	KICK PLATE 18" x34"		
		1 EA	RAIN SHIELD		
HW2	142	3 EA	BALL BEARING HINGES		INTERIOR WOOD DOOR
	143	1 EA	MORTISE OFFICE LEVER LOCK		OFFICES,
	144	1 EA	WALL STOP		
		1 EA	KICK PLATE 12" x 34"		
		1 EA	GASKETING		
HW3	140	3 EA	BALL BEARING HINGES		INTERIOR WOOD DOOR
		1 EA	MORTISE STOREROOM LEVER LOCK		STORAGE
		1 EA	SURFACE CLOSER		
		1 EA	WALL STOP		
		1 EA	KICK PLATE 18" x 40"		
		1 EA	GASKETING		
HW7	140A	1 EA	OVERHEAD TRACK SYSTEM		SECTIONAL OVERHEAD DOORS
	146A	1 EA	JACK SHAFT ELECTRIC OPENER		ALL EXTERIOR
	146B				OVERHEAD DOORS

NOTES:
1. VERIFY ALL HARDWARE AND COORDINATE WITH DOOR SUPPLIER.
2. OVERHEAD DOOR HARDWARE FOR COMPLETE DOOR SHALL BE BY OVERHEAD DOOR SUPPLIER
3. ALL COLOR FINISHES SHALL BE SATIN CHROME FINISHES TYPICAL, VERIFY WITH ARCHITECT PRIOR TO FINAL SHOP DRAWINGS SUBMITTAL.

DESCRIPTION:
1 11-5-2026

DATE:
1

JOSEPH TECK KOH
LEE JOHN DAVIES
A-3936
11-5-2026
STATE OF NEBRASKA

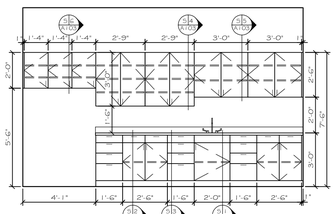
PROJECT ARCHITECT:

LEE DAVIES ARCHITECTURE
2120 BIRCHWOOD ROAD - NORTH PLATTE NEBRASKA 69101 - PHONE: 308.530.9138

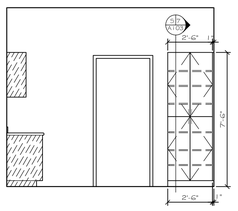
PROJECT INFORMATION:

TITLE: Schedules & Details
PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

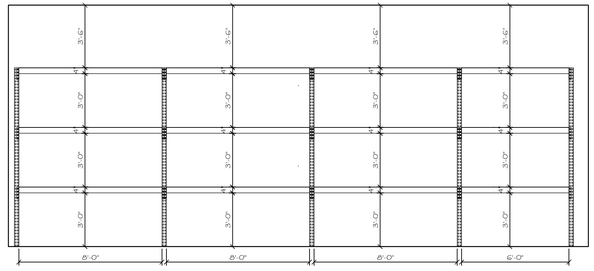
PROJECT NUMBER: 26-213
ISSUE DATE: November 5, 2026
DRAWN BY: ljd ~
SHEET NUMBER: A102



E1 A103 Exam North Wall
SCALE: 1/4" = 1'-0"



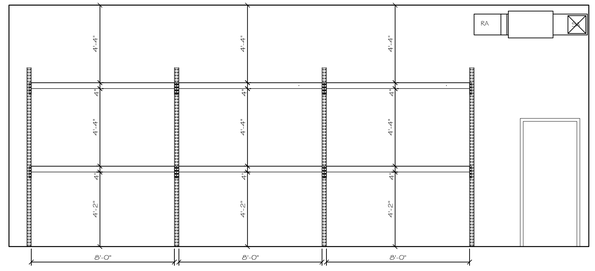
E2 A103 Exam East Wall
SCALE: 1/4" = 1'-0"



E3 A103 Storage East Wall
SCALE: 1/4" = 1'-0"

ULINE PALLET RACKS (THIS ELEVATION):

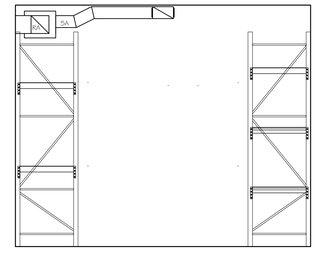
1	- H-5717	96"x42"x120"	STARTER UNIT RACK
2	- H-5717-ADD	96"x42"x120"	ADD-ON UNIT RACK
1	- H-1 1859-ADD	72"x42"x120"	ADD-ON UNIT RACK
3	- H-5953	96"	ADDITIONAL BEAMS
1	- H-11968	72"	ADDITIONAL BEAMS
18	- H-5724	46"x42"	WIRE DECKING
6	- H-11673	34"x42"	WIRE DECKING



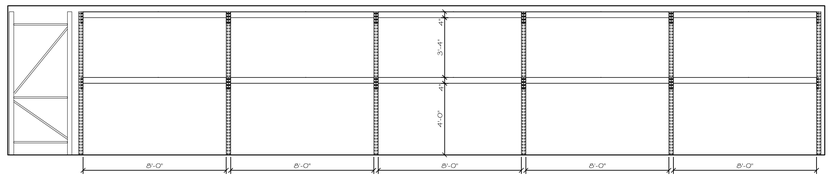
E4 A103 Storage West Wall
SCALE: 1/4" = 1'-0"

ULINE PALLET RACKS (THIS ELEVATION):

1	- H-5717	96"x42"x120"	STARTER UNIT RACK
2	- H-5717-ADD	96"x42"x120"	ADD-ON UNIT RACK
12	- H-5724	46"x42"	WIRE DECKING



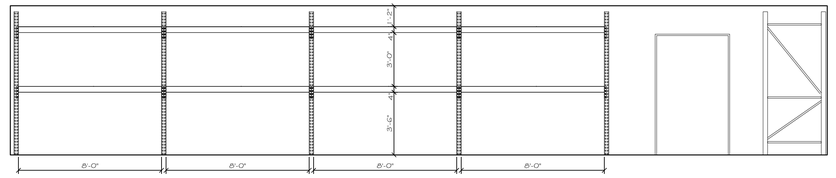
E5 A103 Storage Section
SCALE: 1/4" = 1'-0"



E6 A103 Outside Storage West Wall
SCALE: 1/4" = 1'-0"

ULINE PALLET RACKS (THIS ELEVATION):

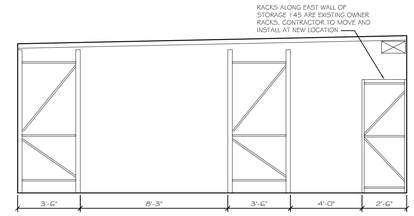
1	- H-5715	96"x42"x96"	STARTER UNIT RACK
4	- H-5715-ADD	96"x42"x96"	ADD-ON UNIT RACK
20	- H-5724	46"x42"	WIRE DECKING



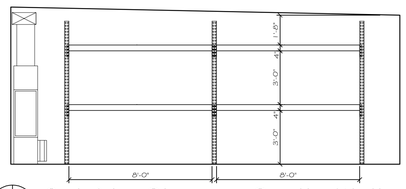
E7 A103 Outside Storage Central Shelving
SCALE: 1/4" = 1'-0"

ULINE PALLET RACKS (THIS ELEVATION):

1	- H-5715	96"x42"x96"	STARTER UNIT RACK
3	- H-5715-ADD	96"x42"x96"	ADD-ON UNIT RACK
16	- H-5724	46"x42"	WIRE DECKING



E8 A103 Outside Storage North Wall
SCALE: 1/4" = 1'-0"



E9 A103 Outside Storage South Wall
SCALE: 1/4" = 1'-0"

ULINE PALLET RACKS (THIS ELEVATION):

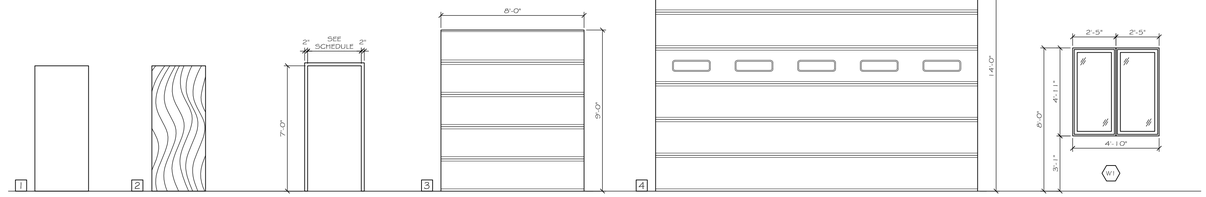
1	- H-5715	96"x42"x96"	STARTER UNIT RACK
1	- H-5715-ADD	96"x42"x96"	ADD-ON UNIT RACK
8	- H-5724	46"x42"	WIRE DECKING

ULINE PALLET RACKS TOTALS:

2	- H-5717	96"x42"x120"	STARTER UNIT RACK
4	- H-5717-ADD	96"x42"x120"	ADD-ON UNIT RACK
1	- H-11859-ADD	72"x42"x120"	ADD-ON UNIT RACK
3	- H-5715	96"x42"x96"	STARTER UNIT RACK
8	- H-5715-ADD	96"x42"x96"	ADD-ON UNIT RACK
3	- H-5953	96"	ADDITIONAL BEAMS
1	- H-11968	72"	ADDITIONAL BEAMS
74	- H-5724	46"x42"	WIRE DECKING
6	- H-11673	34"x42"	WIRE DECKING

NOTE:
1. THOSE RACK BASED ON ELEVATIONS E3 THROUGH E9 THIS SHEET.
2. RACKS SHALL BE PURCHASED BY OWNER & INSTALLED BY CONTRACTOR.
3. ANCHOR BOLTS TO CONCRETE FLOORS 4 PER UPRIGHT SUPPLIED BY CONTRACTOR.
4. COORDINATE EXACT LAYOUT WITH OWNER / ARCHITECT.

Door, Frame & Window Elevations:



HM1
INSULATED HOLLOW METAL DOOR 16 GUAGE GALVANIZED STEEL. PAINT COLOR BY ARCH

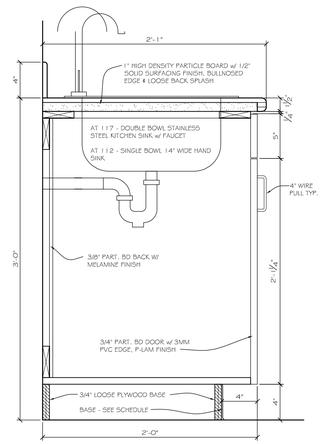
WD1
SOLID CORE STYLE & RAIL 6 PANEL DOOR STYLE, MASONITE SOLID PARTICLEBOARD CORE WOOD 6 PANEL DOOR WOOD FINISHED EDGES w/ PRE-HUNG MATCHING WOOD FRAME WF1, COLOR BY OWNER, OR APPROVED EQUAL

HF1
HOLLOW METAL - 16 GUAGE GROUT FRAME JAMBS FULL - PAINT. PROVIDE GALVANIZED STEEL @ EXTERIOR DOOR

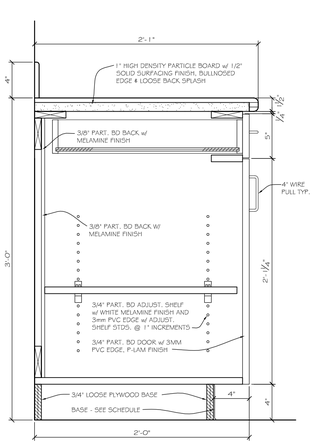
OH1
INSULATED OVERHEAD SECTIONAL GARAGE DOOR, WHITE FINISH. C.H.I. OVERHEAD DOOR 3216, 26-GAUGE 2" THICK STEEL DOOR, R-VALUE 17.54. MICROGROOVE, POLYURETHANE CORE R-VALUE 17.54, 2" GALVANIZED RAILS, WEATHER SEALS, JACK-SHAFT DOOR OPERATOR LIFTMASTER MAXUM w/ 3-BUTTON WALL CONTROL & 3 BUTTON REMOTE CONTROLS.

OH2
INSULATED OVERHEAD SECTIONAL GARAGE DOOR, WHITE FINISH. C.H.I. OVERHEAD DOOR 3216, 26-GAUGE 2" THICK STEEL DOOR, R-VALUE 17.54. MICROGROOVE, POLYURETHANE CORE R-VALUE 17.54, P-DAY INSULATED WINDOWS. 2" GALVANIZED RAILS, WEATHER SEALS, JACK-SHAFT DOOR OPERATOR LIFTMASTER MAXUM w/ 3-BUTTON WALL CONTROL & 3 BUTTON REMOTE CONTROLS.

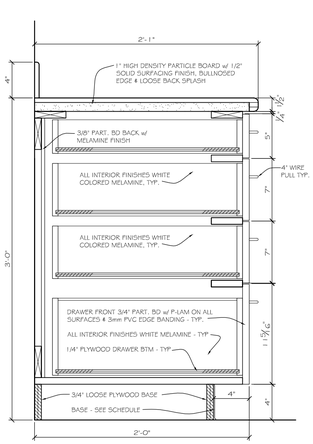
W1
ALUMINUM CLAD WOOD CASEMENT WINDOW & FRAME. PELLA RESERVE - CONTEMPORARY CASEMENT WINDOW CC2959-2, LOW-E TRIPLE PANE TINTED GLASS BETWEEN GLASS RESE/LOWER BLINDS, SCREENS, STANDARD HARDWARE, OR APPROVED EQUAL



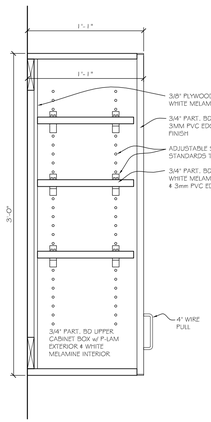
S1 A103 36" Sink Cabinet Typ.
SCALE: 1 1/2" = 1'-0"



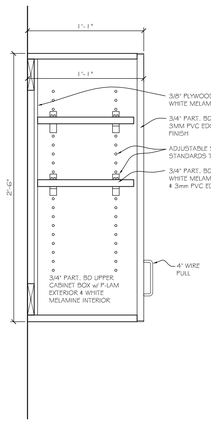
S2 A103 36" 1 Drawer Cabinet
SCALE: 1 1/2" = 1'-0"



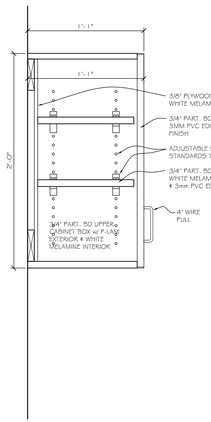
S3 A103 36" 4 Drawer Cabinet
SCALE: 1 1/2" = 1'-0"



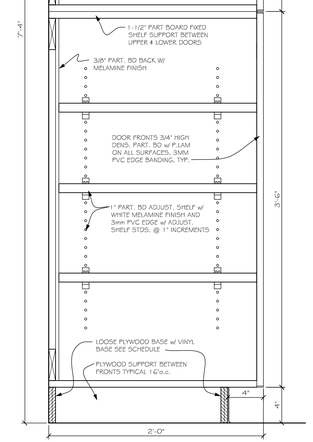
S4 A103 36" Upper Cabinet
SCALE: 1 1/2" = 1'-0"



S5 A103 30" Upper Cabinet
SCALE: 1 1/2" = 1'-0"



S6 A103 24" Upper Cabinet
SCALE: 1 1/2" = 1'-0"



S7 A103 24" Deep Tall Cabinet
SCALE: 1 1/2" = 1'-0"

DESCRIPTION:
1 11-5-2026

DATE:
1

LEE JOHN DAVIES
A-3936
11-5-2026
STATE OF NEBRASKA

PROJECT ARCHITECT:

LEE DAVIES ARCHITECTURE
2120 BIRCHWOOD ROAD - NORTH PLATTE NEBRASKA 69101 - PHONE: 308.530.5938

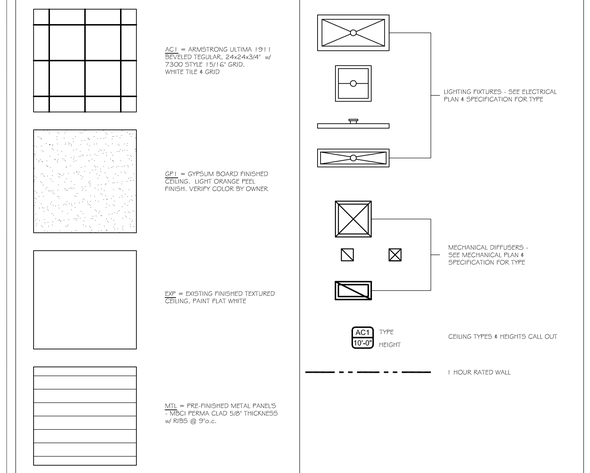
PROJECT INFORMATION:

TITLE: Schedules & Details

PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

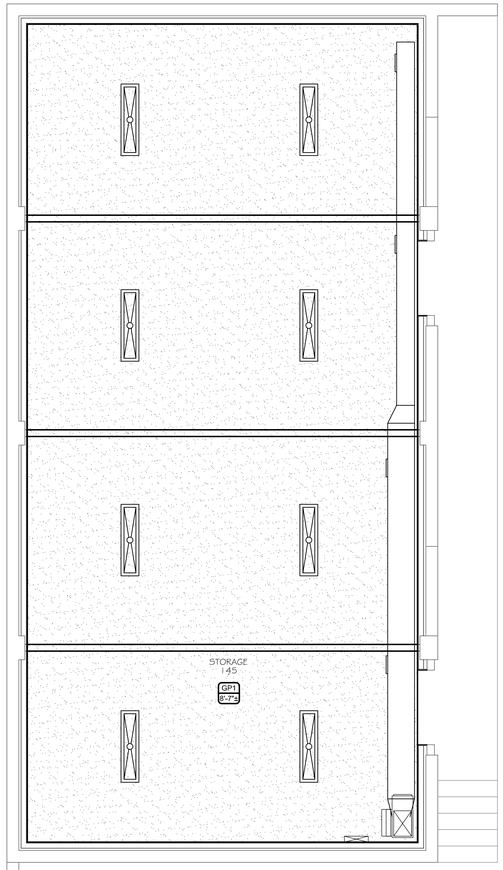
PROJECT NUMBER: 26-213
ISSUE DATE: November 5, 2026
DRAWN BY: ljd ~
SHEET NUMBER: A103

CEILING LEGEND



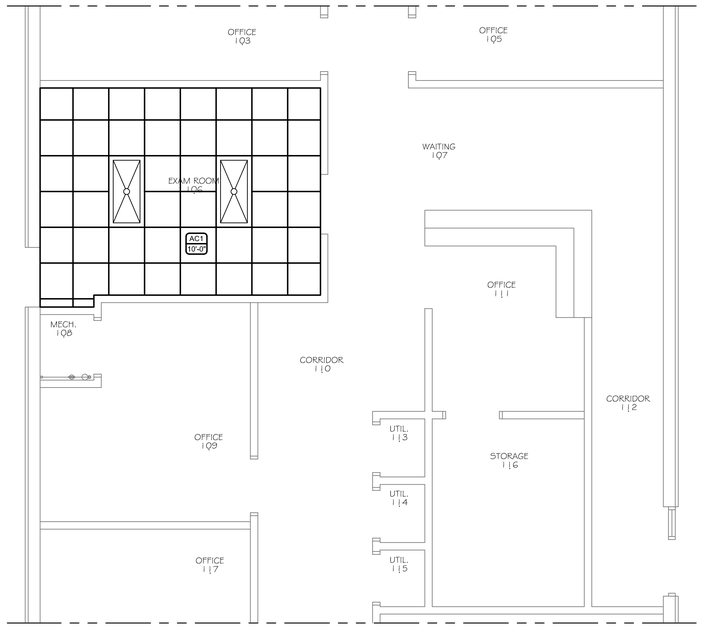
REFLECTED CEILING GENERAL NOTES:

1. TYPICAL EXPOSED GYPSUM BOARD CEILING ON BOTTOM OF ROOF TRUSSES. INSTALL ALL CEILING FIXTURES AND PAINT OUT ALL MECHANICAL & ELECTRICAL EXPOSED WITH CEILING STRUCTURE. COORDINATE.
2.



Reflected Ceiling Plan Area C

SCALE: 1/4" = 1'-0"

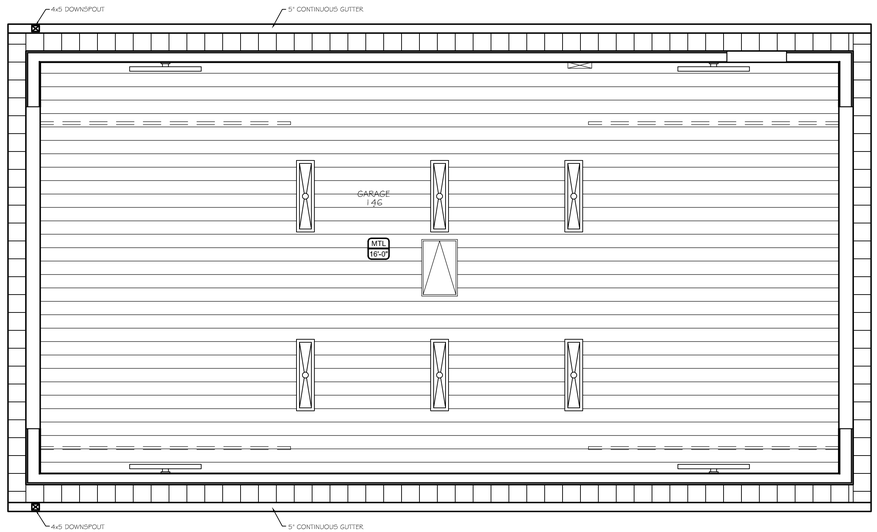


Reflected Ceiling Plan Area A

SCALE: 1/4" = 1'-0"

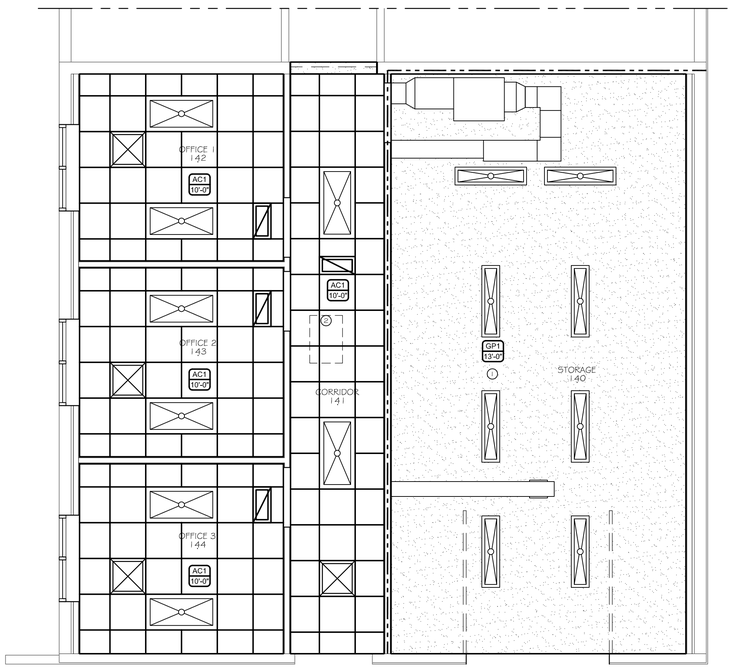
REFLECTED CEILING NOTES: (A)

1. AT STORAGE 140 EXISTING GYPSUM BOARD CEILING TO BE EXPOSED, FINISH ALL JOINTS TO LEVEL WITH NEW GYPSUM WALL BOARD. APPLY ORANGE PEEL TEXTURE TO MATCH WITH NEW WALLS AND PAINT FLAT WHITE.
2. COORDINATE LOCATION OF EXISTING CEILING ACCESS OPENING AND KEEP CLEAR ABOVE NEW ACOUSTICAL CEILING TILE TO ALLOW ACCESS. APPROXIMATE LOCATION SHOWN ON PLAN AT CORRIDOR 141.



Reflected Ceiling Plan Area D

SCALE: 1/4" = 1'-0"



Reflected Ceiling Plan Area B

SCALE: 1/4" = 1'-0"

DESCRIPTION:
1 11-5-2026

DATE:
1

PROJECT ARCHITECT:
LEE JOHN DAVIES
A-3936
11-5-2026
STATE OF NEBRASKA

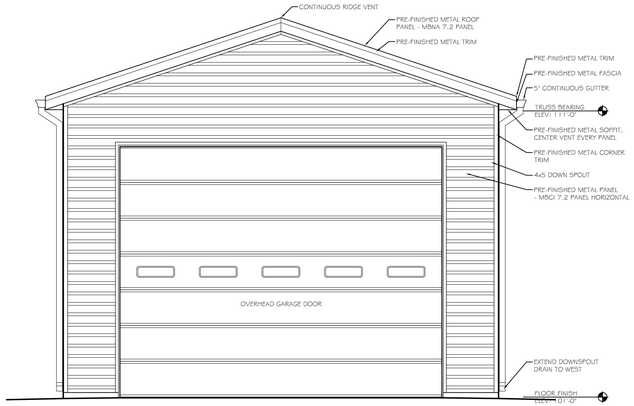
LEE DAVIES ARCHITECTURE
2120 BIRCHWOOD ROAD - NORTH PLATTE, NEBRASKA 69101 - PHONE: 308.530.9138

PROJECT INFORMATION:

TITLE: Reflected Ceiling Plan

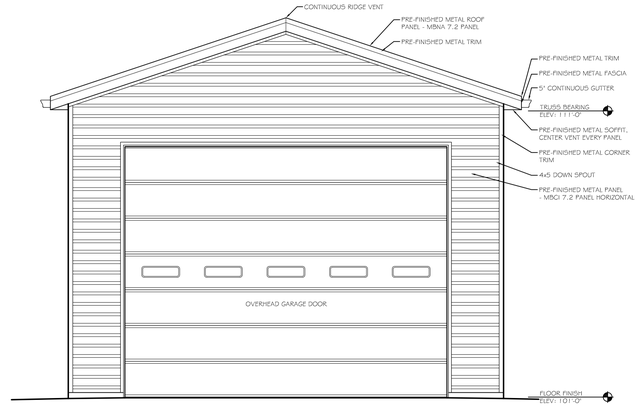
PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

PROJECT NUMBER: 26-213
ISSUE DATE: November 5, 2026
DRAWN BY: ljd ~
SHEET NUMBER: A104



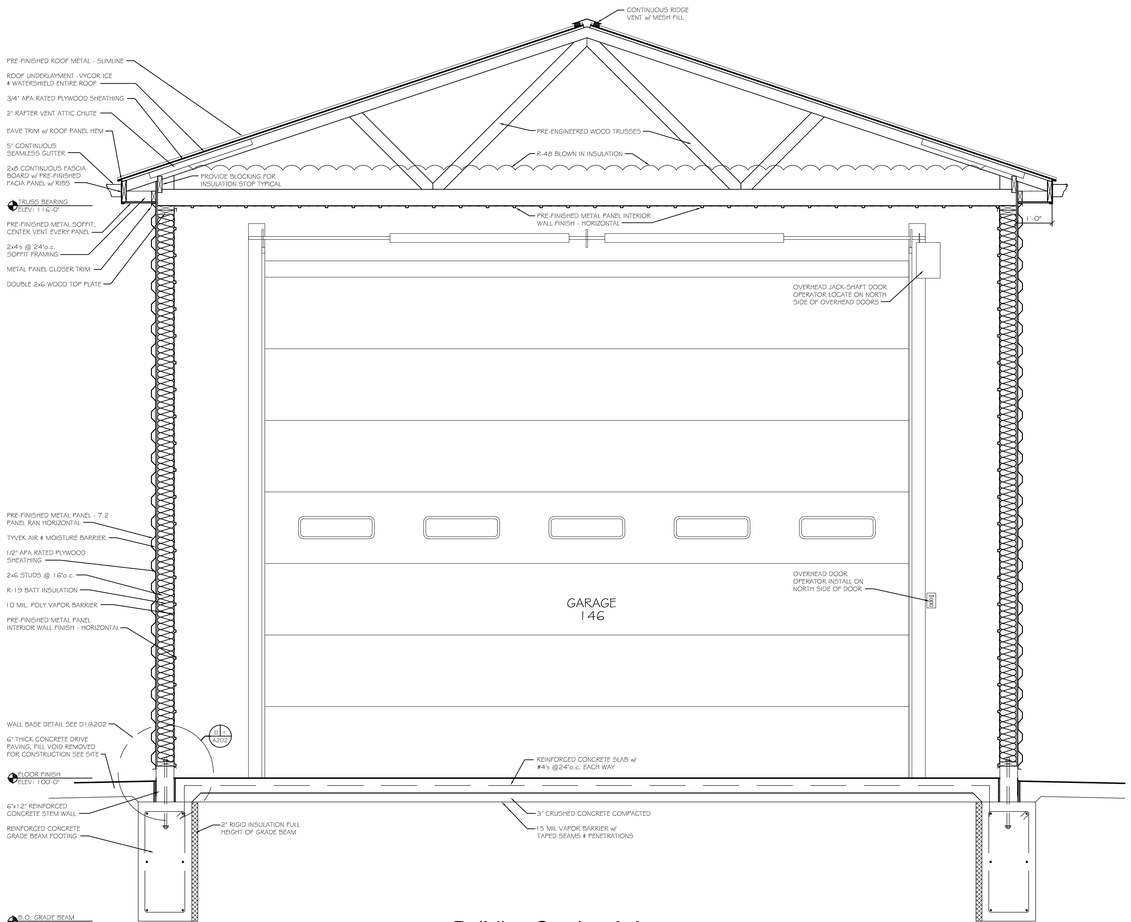
West Elevation

SCALE: 1/4" = 1'-0"



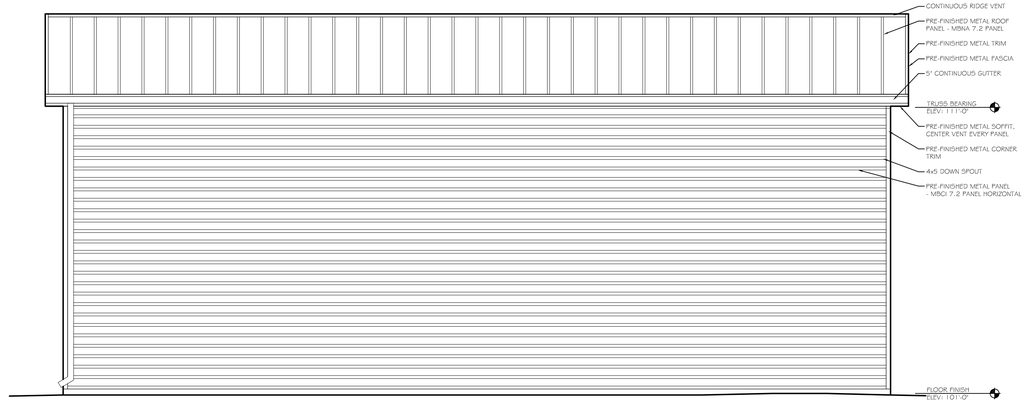
East Elevation

SCALE: 1/4" = 1'-0"



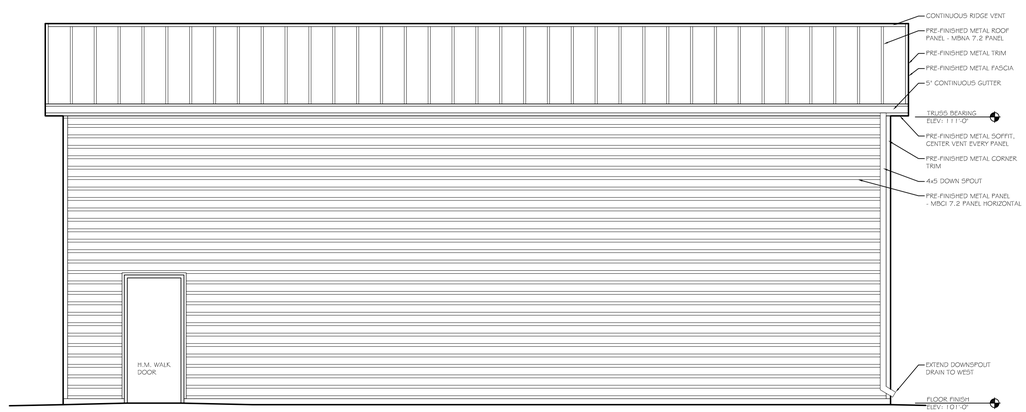
Building Section A-A

SCALE: 1/2" = 1'-0"



South Elevation

SCALE: 1/4" = 1'-0"



North Elevation

SCALE: 1/4" = 1'-0"

DESCRIPTION:

DATE: 11-5-2026



PROJECT ARCHITECT:

LEE DAVIES ARCHITECTURE
2120 BIRCHWOOD ROAD - NORTH PLATTE NEBRASKA 69101 - PHONE: 308.530.9138

PROJECT INFORMATION:

TITLE: Exterior Elevations & Building Section

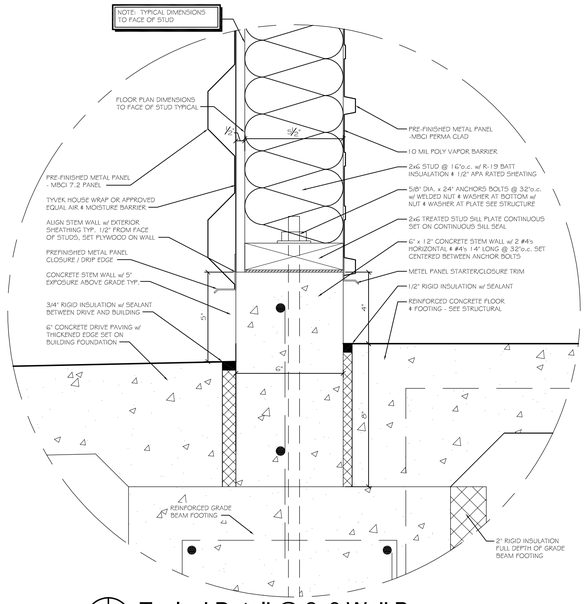
PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

PROJECT NUMBER: 26-213

ISSUE DATE: November 5, 2026

DRAWN BY: ljd ~

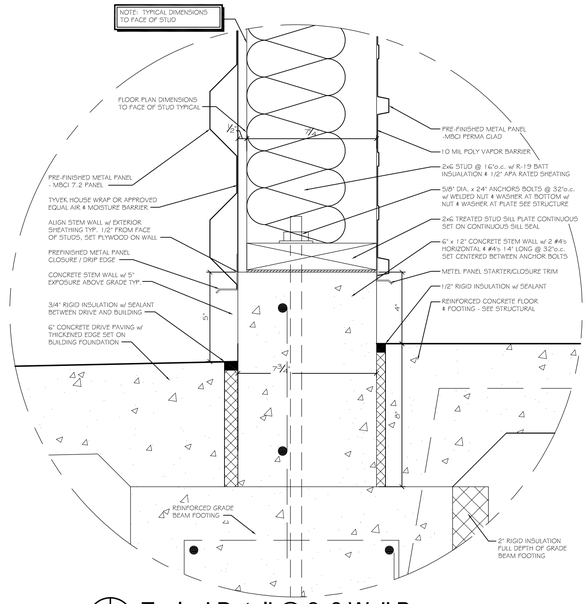
SHEET NUMBER: A201



D | 1
A202

Typical Detail @ 2x6 Wall Base

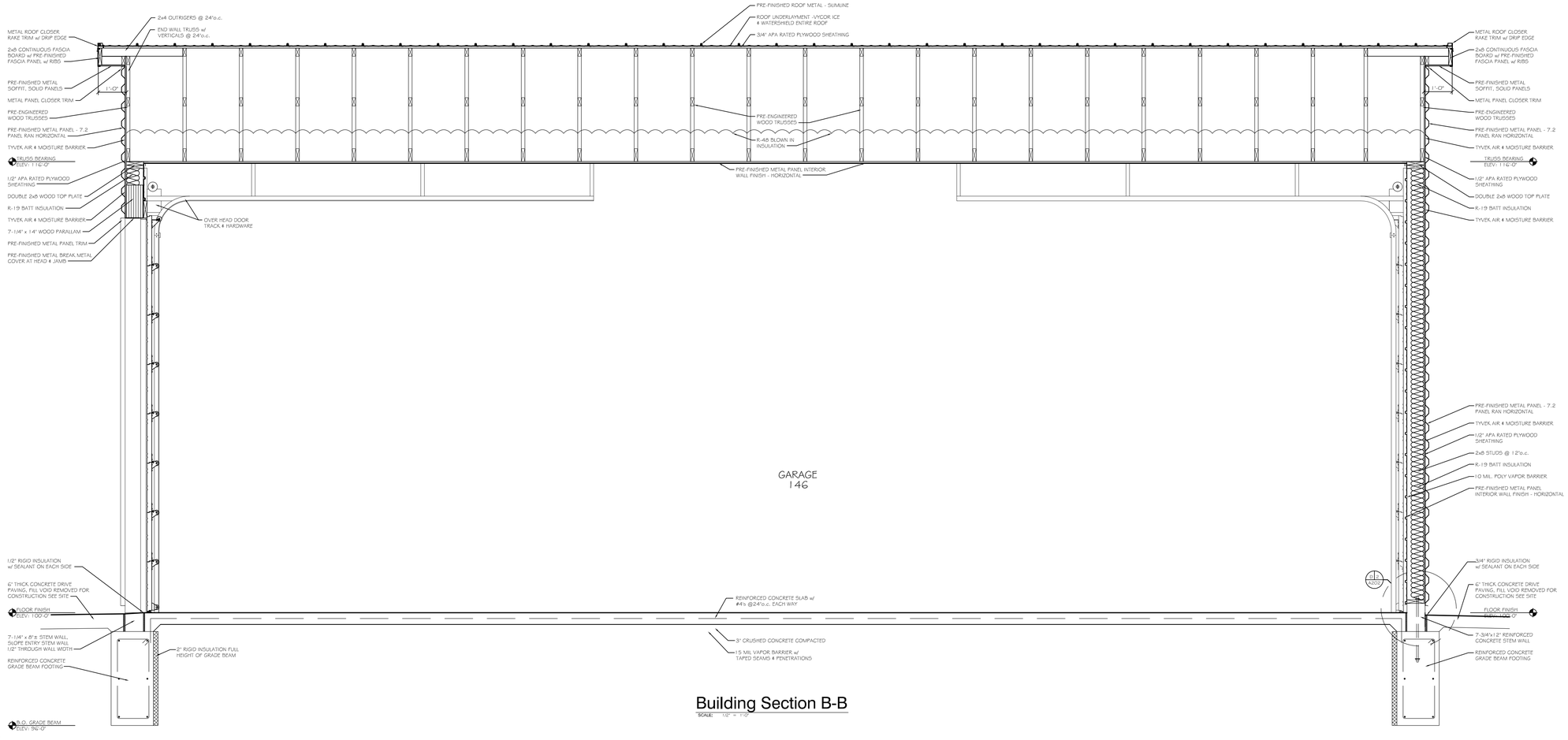
SCALE: 3" = 1'-0"



D | 2
A202

Typical Detail @ 2x8 Wall Base

SCALE: 3" = 1'-0"



Building Section B-B

SCALE: 1/2" = 1'-0"

DESCRIPTION: 11-5-2026

DATE:

PROJECT ARCHITECT:
LEE JOHN DAVIES
A-3936
11-5-2026
STATE OF NEBRASKA

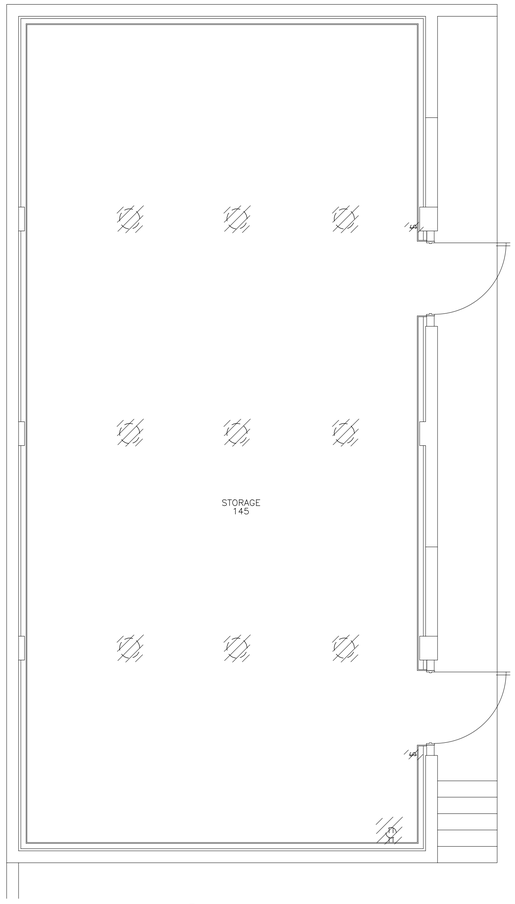
LEE DAVIES ARCHITECTURE
2120 BIRCHWOOD ROAD - NORTH PLATTE NEBRASKA 69101 - PHONE: 308.530.9138

PROJECT INFORMATION:

TITLE: Building Section & Details

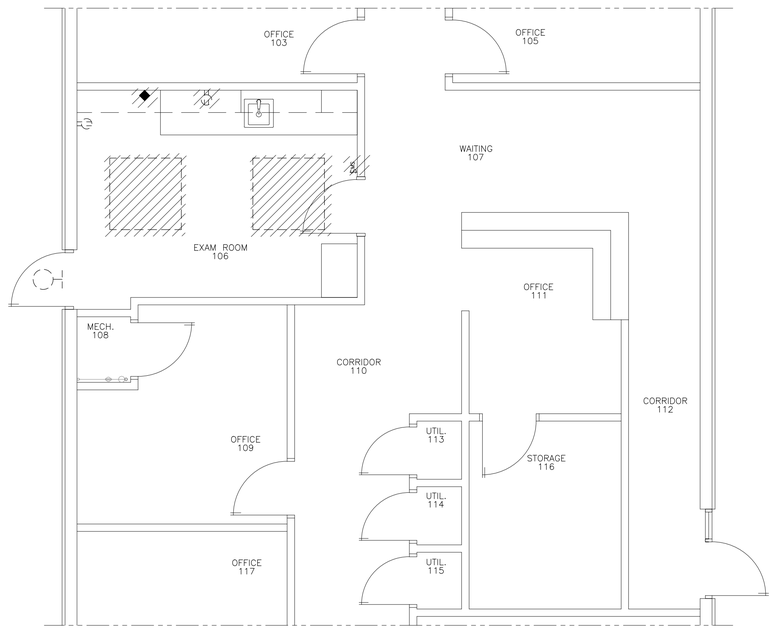
PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

PROJECT NUMBER: 26-213
ISSUE DATE: November 5, 2026
DRAWN BY: ljd ~
SHEET NUMBER: A202



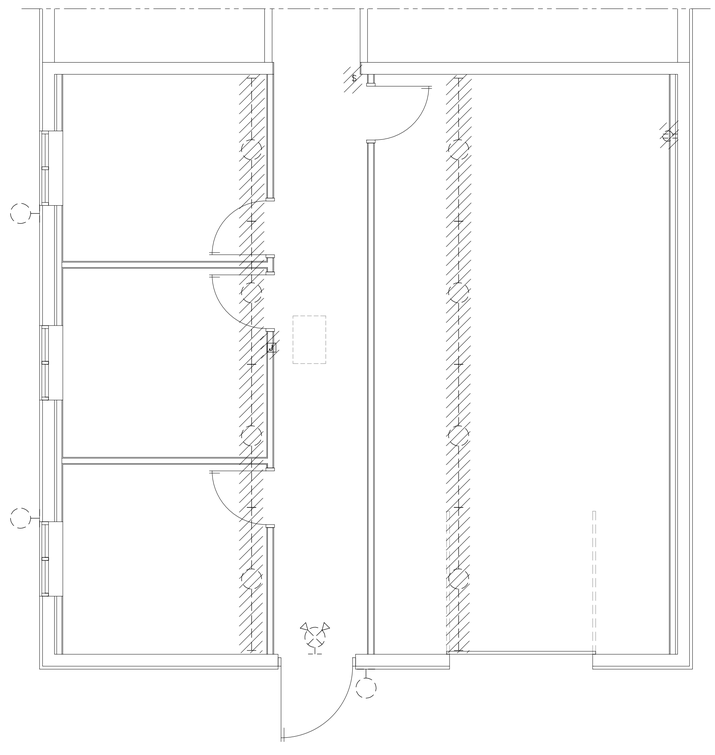
Area C Electrical Demo Plan

SCALE: 1/4" = 1'-0"



Area A Electrical Demo Plan

SCALE: 1/4" = 1'-0"



Area B Electrical Demo Plan

SCALE: 1/4" = 1'-0"

GENERAL DEMO NOTES:

1. EXISTING CONDITIONS SHOWN ARE BASED ON PREVIOUS PROJECT DRAWINGS AND LIMITED FIELD VERIFICATION. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND PERFORM WORK AS SHOWN AND AS INTENDED PER THE DRAWINGS AND SPECIFICATIONS. NOT ALL EXISTING ELECTRICAL IS SHOWN ON DRAWING.
2. DEMOLITION SHALL INCLUDE, BUT IS NOT LIMITED TO, THE ITEMS BELOW OR HERE-IN. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED RENOVATION AND NEW CONSTRUCTION WITH THE EXISTING BUILDING TO IDENTIFY THE TOTAL EXTENT OF THE DEMOLITION REQUIRED AND AS LISTED BELOW.
3. WHERE EXISTING FINISHES ARE SCHEDULED TO REMAIN EXPOSED, ALL ABANDONED ELECTRICAL IS TO BE INFILLED TO MATCH EXISTING ADJACENT FINISHES.

CONSULTANT:

DESCRIPTION:

DATE: 11-11-2026

PRELIMINARY PRINT 11/11/26

PROJECT ARCHITECT:

LEE DAVIES ARCHITECTURE
1212 BURLINGTON BLVD - NORTH PLATTE NEBRASKA 69101 - PHONE: 308.530.9138

PROJECT INFORMATION:

TITLE: Electrical Demolition Plans

PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

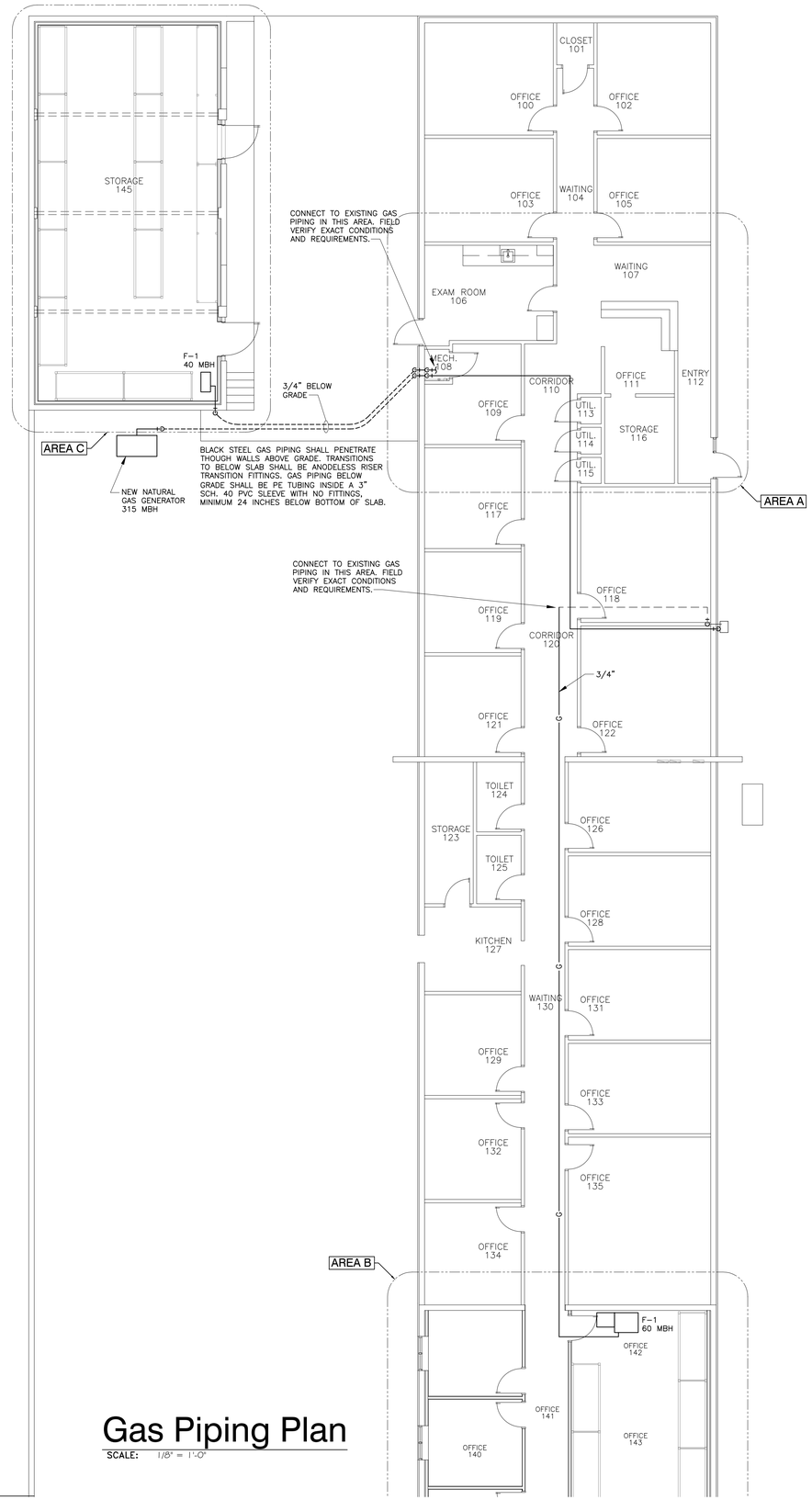
PROJECT NUMBER: 26-213

ISSUE DATE: November 11, 2026

DRAWN BY:

SHEET NUMBER: E100D

GEARY ENGINEERING, INC.
7800 'O' STREET SUITE 100
Lincoln, Nebraska 68510
Tel. (402)489-7627
JOB #36027
COA: CA0405



Gas Piping Plan

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

PLUMBING FIXTURE SCHEDULE

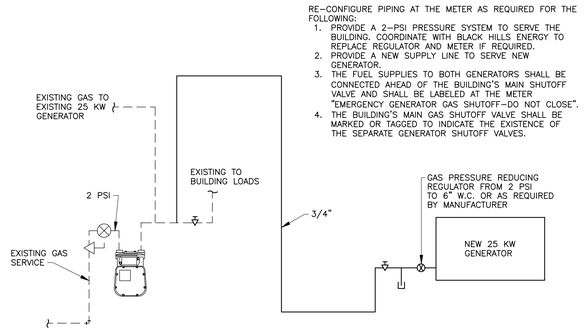
MARK	DESCRIPTION	WASTE	VENT	COLD	HOT
S-1	SINK: ELKAY "LUSTERTONE" LR1720, SINGLE BOWL DROP-IN SINK, 18 GA. 304 STAINLESS STEEL, 14"x14" INSIDE BOWL, 7.5" BOWL DEPTH, 2 HOLES ON 4" CENTERS. PROVIDE WITH ZURN Z812B4-XL FAUCET, 4" WRISTBLADE HANDLES, 0.5 GPM. PROVIDE WITH P-TRAP, SUPPLIES, AND STOPS.	2"	2"	1/2"	1/2"
TWH-1	TANKLESS ELECTRIC WATER HEATER: EEMAX SPEX3012T, LAVADVANTAGE, THERMOSTATIC HEATER. 120V, SINGLE PHASE, 25A, 3.0kW, TEMPERATURE RISE 41° @ 0.5 GPM. MOUNT INSIDE CABINET BELOW SINK.	--	--	1/2"	1/2"

PLUMBING LEGEND

- CW — COLD WATER
- HW — HOT WATER
- G — GAS PIPING
- SANITARY DRAIN UNDERGROUND
- SANITARY SEWER ABOVE GRADE
- VENT
- PIPE UP
- PIPE DOWN
- TEE

DASHED SYMBOLS INDICATE EXISTING

CROSS HATCHED SYMBOLS INDICATE DEMOLITION

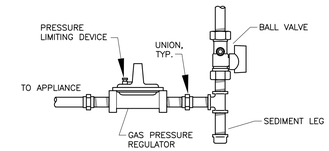


RE-CONFIGURE PIPING AT THE METER AS REQUIRED FOR THE FOLLOWING:

1. PROVIDE A 2-PSI PRESSURE SYSTEM TO SERVE THE BUILDING. COORDINATE WITH BLACK HILLS ENERGY TO REPLACE REGULATOR AND METER IF REQUIRED.
2. PROVIDE A NEW SUPPLY LINE TO SERVE NEW GENERATOR.
3. THE FUEL SUPPLIES TO BOTH GENERATORS SHALL BE CONNECTED AHEAD OF THE BUILDING'S MAIN SHUTOFF VALVE AND SHALL BE LABELED AT THE METER "EMERGENCY GENERATOR GAS SHUTOFF-DO NOT CLOSE".
4. THE BUILDING'S MAIN GAS SHUTOFF VALVE SHALL BE MARKED OR TAGGED TO INDICATE THE EXISTENCE OF THE SEPARATE GENERATOR SHUTOFF VALVES.

GAS METER DETAIL

SCALE: NONE



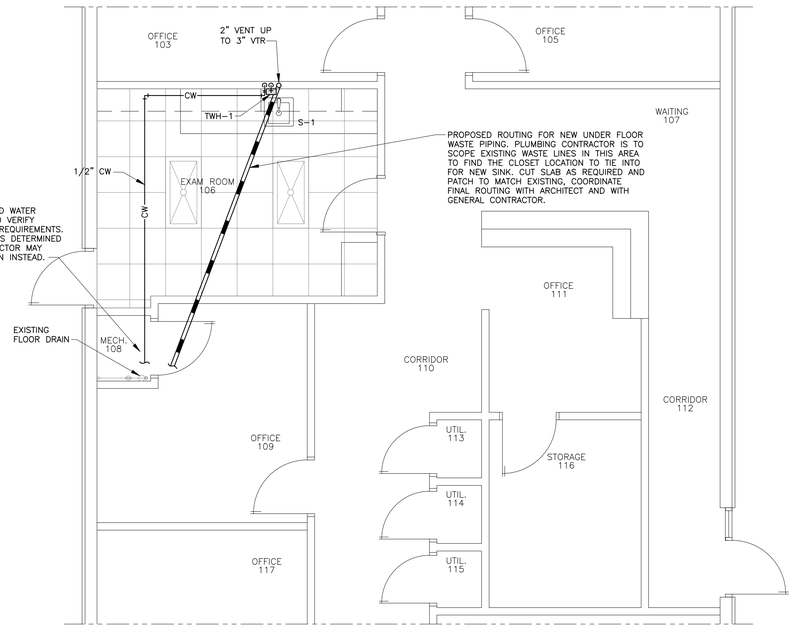
TYPICAL GAS APPLIANCE PIPING CONNECTION DETAIL

SCALE: NONE

GENERAL PLUMBING NOTES:

1. EXISTING CONDITIONS ARE BASED ON LIMITED FIELD VERIFICATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND COORDINATE PIPING INSTALLATION WITH EXISTING BUILDING CONSTRUCTION AND OTHER SYSTEMS. BRING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER FOR CLARIFICATION.
2. PROVIDE GAS PRESSURE REDUCING REGULATOR FOR 2 PSI TO 7" W.C. AT ALL EXISTING GAS APPLIANCES WHERE REQUIRED. FIELD VERIFY REQUIREMENTS AND LOCATIONS.
3. REFER TO SHEET ME100 FOR ADDITIONAL PLUMBING SPECIFICATIONS AND REQUIREMENTS.

CONNECT TO EXISTING COLD WATER PIPING IN THIS AREA. FIELD VERIFY EXISTING CONDITIONS AND REQUIREMENTS. IF A CLOSER WATER PIPE IS DETERMINED IN THE FIELD, THE CONTRACTOR MAY CONNECT AT THAT LOCATION INSTEAD.



Area A Plumbing Plan

SCALE: 1/4" = 1'-0"

GEARY ENGINEERING, INC.
7800 'O' STREET SUITE 100
Lincoln, Nebraska 68510
Tel. (402)489-7627
JOB #36027
COA: CA0405

LEE DAVIES ARCHITECTURE
1212 BURLINGTON BLVD. - NORTH PLATTE, NEBRASKA 69101 - PHONE: 308.530.9138

CONSULTANT:

DESCRIPTION: 11-11-2026

DATE:

PRELIMINARY PRINT 11/11/26

PROJECT ARCHITECT:

PROJECT INFORMATION:

TITLE: Plumbing

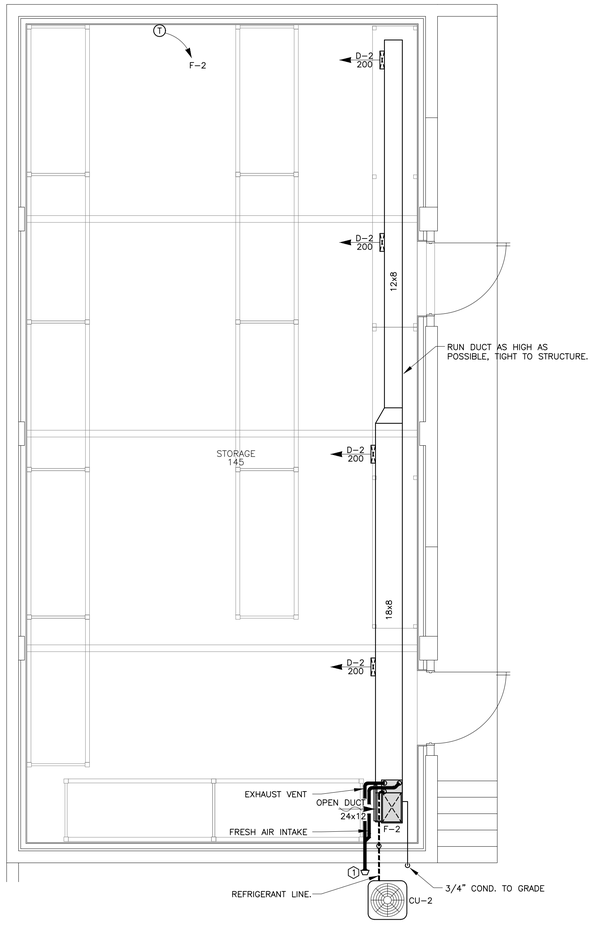
PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

PROJECT NUMBER: 26-213

ISSUE DATE: November 11, 2026

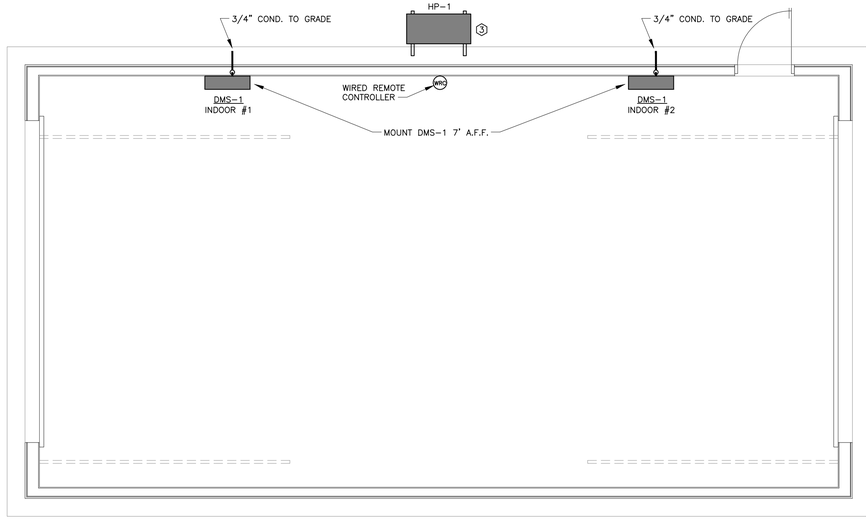
DRAWN BY:

SHEET NUMBER: P100



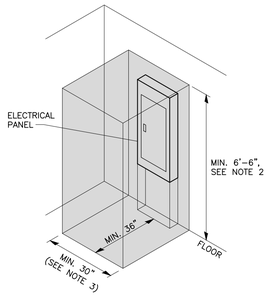
Area C Mechanical Plan

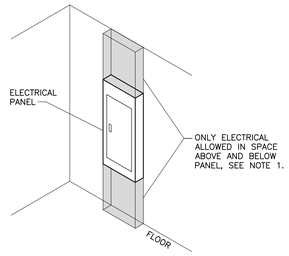
SCALE: 1/4" = 1'-0"



Area D Mechanical Plan

SCALE: 1/4" = 1'-0"





PANEL CLEARANCE NOTES:

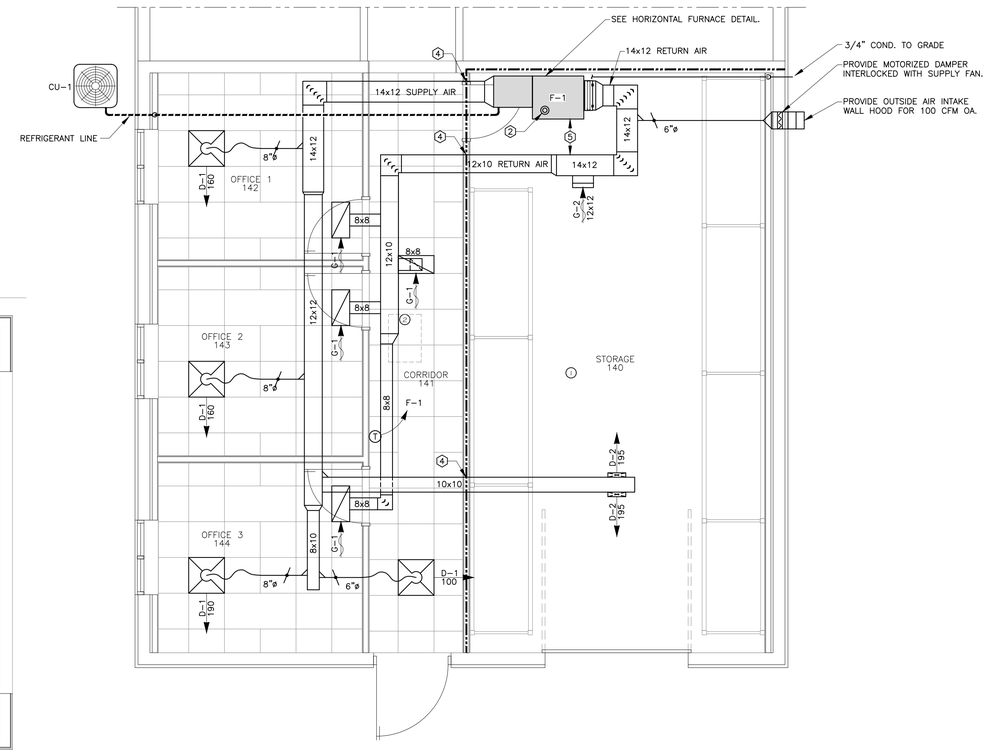
1. EQUIPMENT, PIPING AND DUCTS FOREIGN TO THE ELECTRICAL INSTALLATION SHALL NOT BE PLACED IN THE SHADED AREAS EXTENDING FROM THE FLOOR TO A HEIGHT OF 6 FEET ABOVE THE PANELBOARD ENCLOSURE OR TO THE STRUCTURAL CEILING, WHICHEVER IS LOWER.
2. THE WORKING SPACE SHALL BE CLEAR AND UNOBSTRUCTED FROM THE FLOOR TO A HEIGHT OF 6.5 FEET OR THE HEIGHT OF THE EQUIPMENT, WHICHEVER IS GREATER.
3. THE WIDTH OF THE WORKING SPACE SHALL BE THE WIDTH OF THE PANELBOARD OR 30 INCHES, WHICHEVER IS GREATER.

REQUIRED ELECTRICAL PANEL CLEARANCES

SCALE: NONE

MECHANICAL KEYED NOTES:

1. CONCENTRIC VENT THRU WALL ABOVE ADJACENT ROOF. INSTALL IN ACCORDANCE WITH INSTALLATION INSTRUCTIONS.
2. CONCENTRIC VENT THRU ROOF. INSTALL IN ACCORDANCE WITH INSTALLATION INSTRUCTIONS.
3. HEAT PUMP SHALL BE MOUNTED ON EXTERIOR WALL 2 FEET ABOVE GRADE. SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. ONE HOUR RATED FIRE DAMPER. SEE DUCT SIZE FOR FIRE DAMPER SIZE.
5. MAINTAIN TWO FEET OF CLEARANCE FOR FURNACE FRONT PANEL. SEE INSTALLATION INSTRUCTIONS FROM MANUFACTURER.



Area B Mechanical Plan

SCALE: 1/4" = 1'-0"

CONSULTANT:

DESCRIPTION:

11-11-2026

DATE:

PRELIMINARY PRINT 11/11/26

PROJECT ARCHITECT:

LEE DAVIES ARCHITECTURE
1212 BURLINGTON BLVD. - NORTH PLATTE NEBRASKA 69101 - PHONE: 308.530.9138

PROJECT INFORMATION:

TITLE: Mechanical Plan

PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

PROJECT NUMBER: 26-213

ISSUE DATE: November 11, 2026

DRAWN BY:

SHEET NUMBER: M100

GEARY ENGINEERING, INC.
7800 'O' STREET SUITE 100
Lincoln, Nebraska 68510
Tel. (402)489-7627
JOB #36027
COA: CA0405

MECHANICAL EQUIPMENT SCHEDULE

IDENT.	DESCRIPTION	OPERATING CONDITIONS	MINIMUM CAPACITIES	ELECTRICAL			MANUFAC. AND MODEL NO.	REMARKS
				VOLTAGE	MCA	MAX. OCP		
F-1	HORIZONTAL FURNACE W/ DX COIL R-32	WINTER 70° E.A.T.	1000 CFM @ 0.5" S.P. 96% AFUE HEATING: 60 MBH COOLING COIL: 30 MBH NOMINAL	115 1 PH. 60 HZ	10.1	15	DAIKIN DM96SN0603BN +CHPTA3026B3	1
F-2	UPFLOW FURNACE W/ DX COIL R-32	WINTER 70° E.A.T.	800 CFM @ 0.5" S.P. 96% AFUE HEATING: 40 MBH COOLING COIL: 24 MBH NOMINAL	115 1 PH. 60 HZ	9.7	15	DAIKIN DR96SN0403AN +CAPTA2422A3	1
CU-1	CONDENSING UNIT R-32	67°F ENT. W.B. 80°F ENT. D.B. 95°F AMB.	NOMINAL 2.5 TONS COOLING 28.4 MBH COOLING MIN. 14.3 SEER	208 1 PH. 60 HZ	15.4	25	DAIKIN DC4SEA3010A	2
CU-2	CONDENSING UNIT R-32	67°F ENT. W.B. 80°F ENT. D.B. 95°F AMB.	NOMINAL 2 TONS COOLING MIN. 14.3 SEER	208/240 1 PH. 60 HZ	13.5	20	DAIKIN DC4SEA2410	2
HP-1	HEAT PUMP 3-PORT R-32	COOLING: 67°F ENT. W.B. 80°F ENT. D.B. 95°F AMB. D.B. HEATING: 60°F ENT. W.B. 70°F ENT. D.B. 47°F AMB. D.B.	NOMINAL 2 TONS COOLING MIN. 14.3 SEER	208/230 1 PH. 60 HZ	33.6	35	DAIKIN 3MXT24AVJU9	
DMS-1	DUCTLESS MINI-SPLIT R-32	COOLING OPERATING RANGE: 14°F TO 115°F HEATING OPERATING RANGE: -13°F TO 75°F	NOMINAL 2 TONS COOLING MIN. 14.3 SEER	208/230 1 PH. 60 HZ	33.6	35	DAIKIN FTXV12AVJU9	3

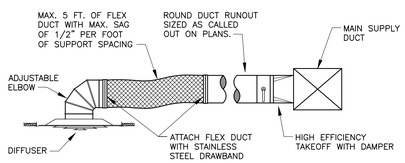
APPROVED EQUALS: MCQUAY, LENNOX, RHEEM, GOODMAN

REMARKS

1. PROVIDE 7-DAY PROGRAMMABLE TOUCHSCREEN THERMOSTAT, STANDARD FILTER, CONCENTRIC VENT KIT.
2. PROVIDE CYCLE PROTECTOR, HIGH PRESSURE SWITCH, LOW AMBIENT CONTROL TO 30°F AND CRANKCASE HEATER. MATCH UNIT WITH CORRESPONDING GAS FURNACE.
3. PROVIDE WIRED REMOTE CONTROLLER.

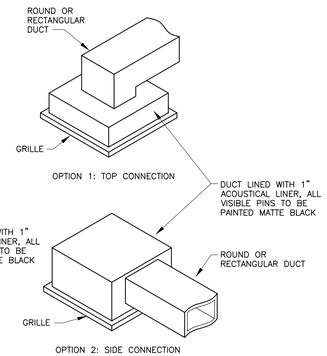
DIFFUSERS, GRILLES, REGISTERS SCHEDULE

IDENT.	DESCRIPTION	FINISH	FRAME TYPE	MANUFAC. AND MODEL NO.	REMARKS
D-1	24x24 STEEL LOUVERED FACE DIFFUSER, 3 CONES, NECK SIZE SAME AS DUCT RUNOUT SHOWN ON PLANS	WHITE	LAY-IN T-BAR	KRUEGER 1450	
D-2	12x6 DOUBLE DEFLECTION STEEL SUPPLY GRILLE, 3/4" BLADE SPACING	WHITE	SURFACE MOUNT	KRUEGER 880	
G-1	12x24 STEEL PERFORATED RETURN GRILLE WITH SQUARE 10X22 NECK	WHITE	LAY-IN T-BAR	KRUEGER 6490	
G-2	FIXED DEFLECTION STEEL RETURN GRILLE WITH 3/4" BLADE SPACING, 35° BLADE DEFLECTION, HORIZONTAL BLADES. SIZES AS CALLED OUT ON PLANS.	WHITE	SURFACE MOUNT	KRUEGER S80	



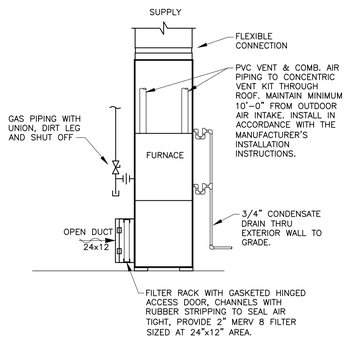
TYP. CEILING SUPPLY DIFFUSER DETAIL

SCALE: NONE



TYPICAL RETURN GRILLE DETAIL

SCALE: NONE

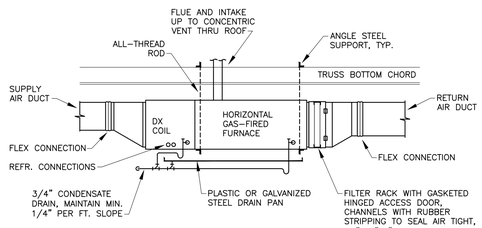


FURNACE DETAIL NOTES:

1. DETAILS ARE SCHEMATIC TO SHOW GENERAL INSTALLATION REQUIREMENTS. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS, LOCAL CODES, AND ACTUAL FIELD CONDITIONS.
2. ROUTE, SIZE AND INSTALL REFRIGERANT PIPING AND FLUE & COMBUSTION AIR PIPING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. MAINTAIN CLEARANCES AS REQUIRED BY CODE AND BY MANUFACTURER. ALLOW FOR PROPER FILTER ACCESS.

TYP. ELEVATION AT FURNACES

SCALE: NONE



FURNACE DETAIL NOTES:

1. MAINTAIN CLEARANCES AS REQUIRED BY CODE AND BY MANUFACTURER. ALLOW PROPER FILTER ACCESS.
2. ROUTE CONDENSATE DRAIN TO TERMINATE OUTSIDE TO GRADE.
3. ROUTE AND INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4. CONCENTRIC VENTS THROUGH ROOF.

HORIZONTAL FURNACE DETAIL

SCALE: NONE

CONSULTANT:

DESCRIPTION:

DATE: 11-11-2026

PRELIMINARY PRINT 11/11/26

PROJECT ARCHITECT:

LEE DAVIES ARCHITECTURE
1212 BURLINGTON BLVD. • NORTH PLATTE NEBRASKA 69101 • PHONE: 308.530.9138

PROJECT INFORMATION:

TITLE: Mechanical Schedule and Details

PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

GEARY ENGINEERING, INC.
7800 'O' STREET SUITE 100
Lincoln, Nebraska 68510
Tel. (402)489-7627
JOB #36027
COA: CA0405

PROJECT NUMBER: 26-213

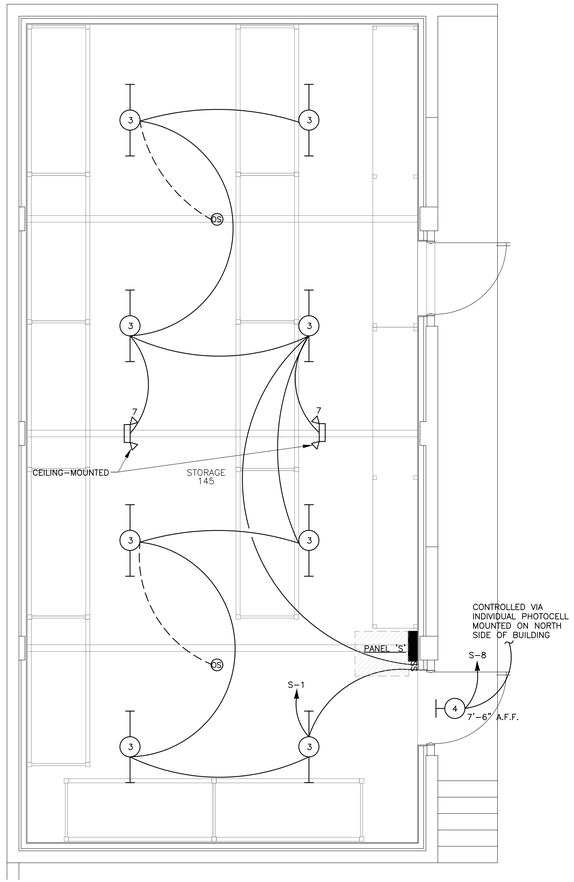
ISSUE DATE: November 11, 2026

DRAWN BY:

SHEET NUMBER: M200

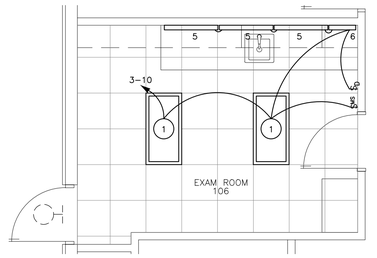
LIGHTING FIXTURE SCHEDULE

FIX. NO.	DESCRIPTION	LAMPS	MOUNTING	COMMENTS
1	SPEC AMBIENT LED TROFFER 2X4 HOURGLASS WITH CENTER ELEMENT 6000 LM, 80 CRI, 3500K, STEEL HOUSING, WHITE METALUX 24RLN LD5 60 UNV L835 CD1 U	48W LED	RECESSED	
2	SPEC AMBIENT LED TROFFER 2X4 HOURGLASS WITH CENTER ELEMENT 8000 LM, 80 CRI, 3500K, STEEL HOUSING, WHITE METALUX 24RLN LD5 80 UNV L835 CD1 U	68W LED	RECESSED	
3	LED 4 FT LINEAR BAY, 80CRI, 40K, 0–10V DIMMING, STEEL HOUSING, WHITE FINISH, 5000 LUMENS METALUX 4MB SSL RND UNV L840 CD U	35W LED	SURFACE	
4	MINI WALL PACK, 2000 LUMENS, SELECT. CCT (40K), WET LOCATION, INTERNAL PHOTOCELL ALUMINUM HOUSING, BRONZE FINISH, PRISMATIC LENS, 0–10V DIM. HALO MWP20FSUNVDBZ	15W LED	WALL MOUNT HEIGHTS NOTED ON PLAN	
5	36 INCH LINEAR UNDER CABINET LIGHT, SELECT. CCT (35K), 915 LM, ALUMINUM HOUSING, POLYCARBONATE LENS, WHITE FINISH HALO HU30MSCTD36P	13W LED	UNDERCABINET SURFACE MOUNT	
6	18 INCH LINEAR UNDER CABINET LIGHT, SELECT. CCT (35K), 490 LM, ALUMINUM HOUSING, POLYCARBONATE LENS, WHITE FINISH HALO HU30MSCTD18P	7W LED	UNDERCABINET SURFACE MOUNT	
7	EMERGENCY LIGHT, SURFACE MOUNT WITH LITHIUM ION BATTERY FOR 90 MIN. RUNTIME, POLYCARBONATE HOUSING, WHITE FINISH SURE-LITES SEL-70	LED	WALL-MOUNTED 7'-6" UNLESS NOTED	



Area C Lighting Plan

SCALE: 1/4" = 1'-0"

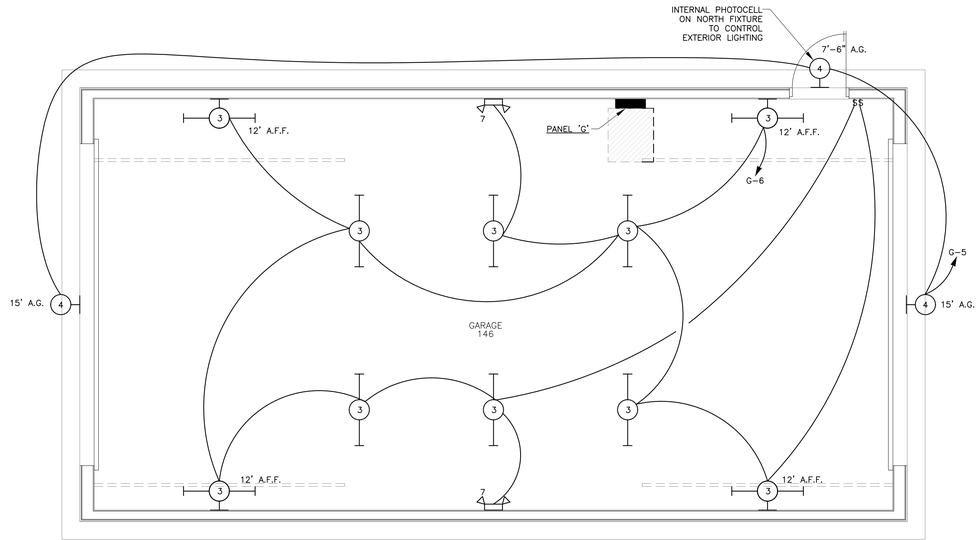


Area A Lighting Plan

SCALE: 1/4" = 1'-0"

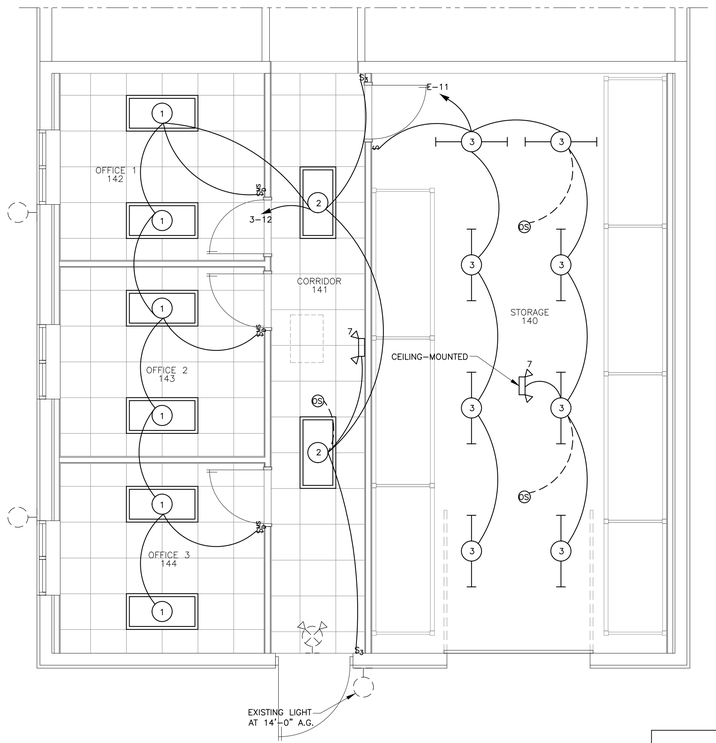
LIGHTING PLAN GENERAL NOTES:

1. LIGHTING CONTROLS SHALL BE PROVIDED AS SHOWN AND AS REQUIRED TO MEET ALL APPLICABLE REQUIREMENTS OF THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE. MOTION/OCCUPANCY SENSORS IN RESTROOMS, PRIMARY BIUILDING ENTRANCES, LOBBIES AND PUBLIC CORRIDORS PERMITTED TO BE SET UP FOR FULL AUTOMATIC CONTROL OF CONTROLLED LIGHT FIXTURES PER THE EXCEPTION LISTED UNDER 2018 IECC SECTION C405.2.1.1(2).
2. ALL SPACES NOT DIRECTLY MENTIONED IN NOTE 1 SHALL BE INSTALLED WITH MANUAL ON/OFF CONTROLS AS WELL AS AUTOMATIC OFF CONTROLS VIA THE MOTION SENSORS SHOWN WITHIN EACH AREA.
3. OPEN OFFICE LIGHTING CONTROLS SHALL BE SET UP TO CONTROL NO MORE THAN 600 SQUARE FEET AS REQUIRED PER 2018 IECC SECTION C405.2.1.3.
4. ALL EXIT AND EMERGENCY LIGHT FIXTURES SHALL BE HARD WIRED AHEAD OF ANY WALL SWITCH(ES) OR OTHER CONTROLS FOR CONSTANT POWER MONITORING.
5. COORDINATE MOUNTING OF INTERIOR LIGHT FIXTURES WITH NEW DUCTWORK, PIPING, ETC. TO MAXIMIZE LIGHT COVERAGE AND AVOID BLOCKING OF LIGHT BY THE DUCTWORK TO THE FURTHEST EXTENT POSSIBLE.



Area D Lighting Plan

SCALE: 1/4" = 1'-0"



Area B Lighting Plan

SCALE: 1/4" = 1'-0"

CONSULTANT:

DESCRIPTION:

DATE: 11-11-2026

PRELIMINARY PRINT 11/11/26

PROJECT ARCHITECT:

LEE DAVIES ARCHITECTURE
1212 BURLINGTON BLVD. - NORTH PLATTE NEBRASKA 69101 - PHONE: 308.530.9138

PROJECT INFORMATION:

TITLE: Lighting Plans

PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

PROJECT NUMBER:	26-213
ISSUE DATE:	November 11, 2026
DRAWN BY:	
SHEET NUMBER:	E100

GEARY ENGINEERING, INC.
7800 'O' STREET SUITE 100
Lincoln, Nebraska 68510
Tel. (402)489-7627
JOB # 36027
COA: CA0405

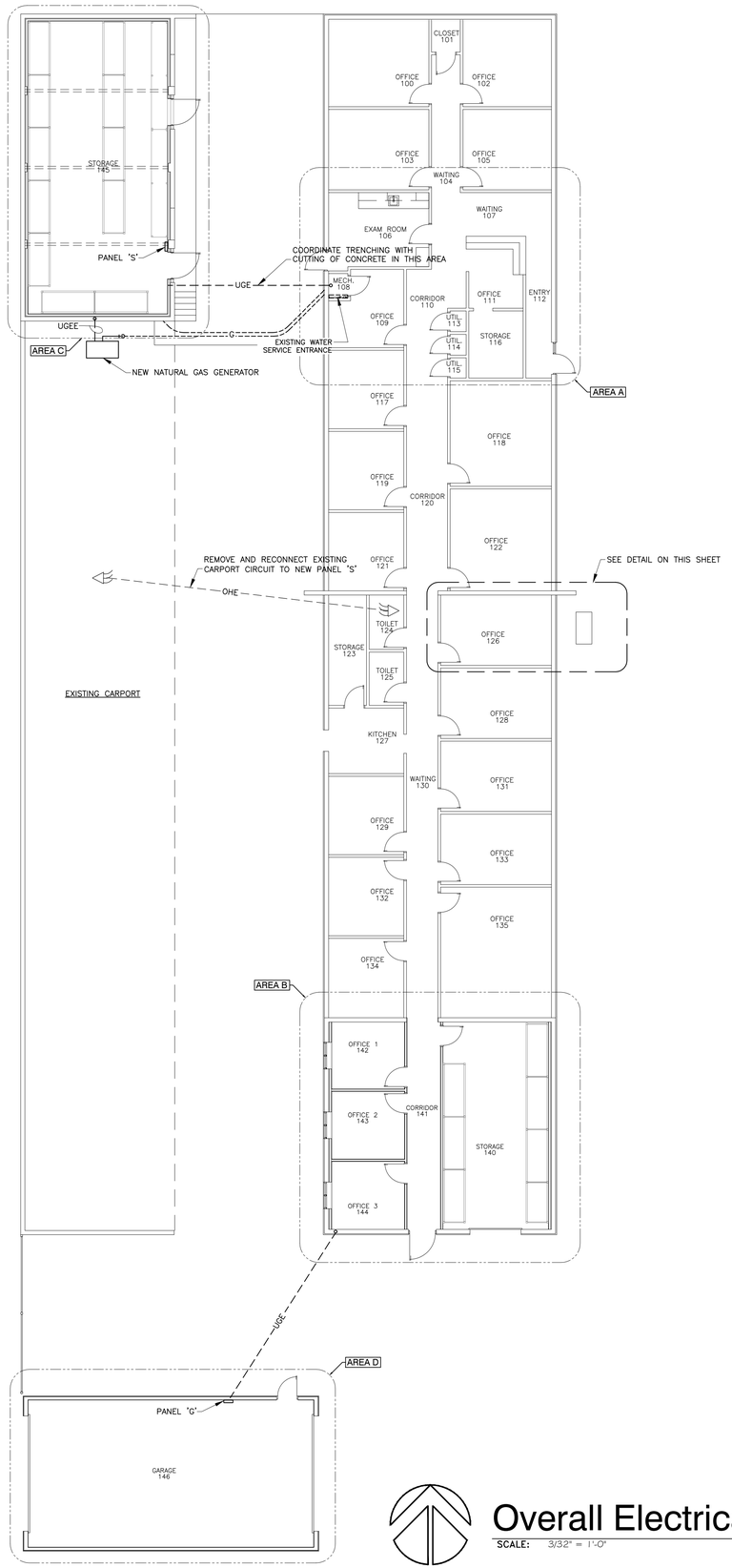
ELECTRICAL LEGEND

—G—	UNDERGROUND GAS LINE
—UGEE—	UNDERGROUND EMERGENCY ELECTRIC
—UGE—	UNDERGROUND ELECTRIC
—OHE—	OVERHEAD ELECTRIC

DASHED SYMBOLS INDICATE EXISTING

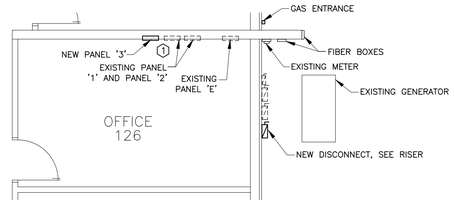
ELECTRICAL PLAN GENERAL NOTES:

1. UTILITIES SHOWN ARE BASED ON INFORMATION AND DRAWINGS PROVIDED FROM PREVIOUS BUILDING PROJECTS AND ARE NOT EXACT AND MAY NOT INCLUDE ALL EXISTING UTILITIES, BRANCH CIRCUITS, ETC.
2. CONTRACTOR SHALL HAVE ANY AND ALL UTILITIES, BRANCH CIRCUITS, ETC. LOCATED THAT EXIST IN THE PROJECT AREA PRIOR TO ANY TRENCHING OR BORING WITHIN THE PROJECT AREA.



Overall Electrical Plan

SCALE: 3/32" = 1'-0"



Office 126 Electrical Detail

SCALE: 3/16" = 1'-0"

ELECTRICAL PLAN KEYED NOTES:

1 CUT AND PATCH WALL AS NECESSARY TO INSTALL NEW PANEL AND CONDUITS.

CONSULTANT:

DESCRIPTION:

DATE: 11-11-2026

PRELIMINARY PRINT 11/11/26

PROJECT ARCHITECT:

LEE DAVIES ARCHITECTURE
1212 BURLINGTON BLVD - NORTH PLATTE NEBRASKA 69101 - PHONE: 308.530.9138

PROJECT INFORMATION:

TITLE: Electrical Plan - Overall

PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

PROJECT NUMBER: 26-213

ISSUE DATE: November 11, 2026

DRAWN BY:

SHEET NUMBER: E101

GEARY ENGINEERING, INC.
7800 'O' STREET SUITE 100
Lincoln, Nebraska 68510
Tel. (402)489-7627
JOB #36027
COA: CA0405

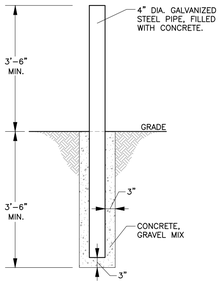
POWER PLAN GENERAL NOTES:

1. SEE SHEET E101 FOR ALL PANEL LOCATIONS.
2. ALL ELECTRICAL CIRCUITING IN THE GARAGE SHALL BE INSTALLED IN EXPOSED EMT CONDUIT.
3. ALL 120V RECEPTACLES IN GARAGE SHALL BE GFCI TYPE AND SHALL BE INSTALLED FLUSH WITH THE TOP OF THE STEM WALL WHERE APPLICABLE. CONFIRM FINAL DESIRED HEIGHT WITH OWNER PRIOR TO ROUGH-IN.

POWER PLANS KEYED NOTES:

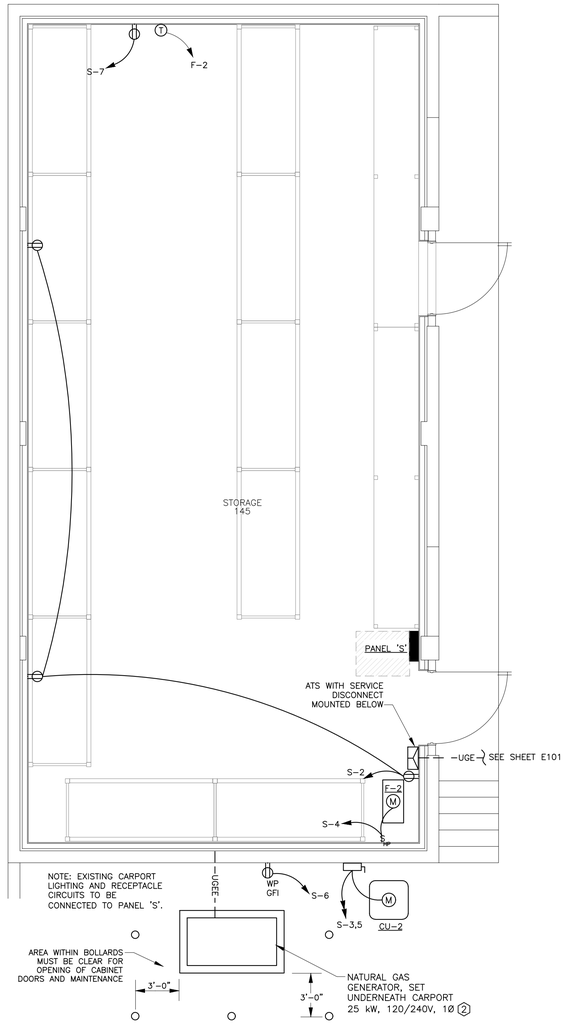
(1) CONNECT AS REQUIRED TO OVERHEAD DOOR OPERATOR, SAFETY STRIP AND CONTROLLER PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. VERIFY FINAL DOOR OPERATOR LOCATION WITH OWNER PRIOR TO INSTALL.

(2) COORDINATE NEW GENERATOR LOCATION WITH MECHANICAL CONTRACTOR TO MAINTAIN REQUIRED SEPARATIONS FROM CONDENSING UNIT.



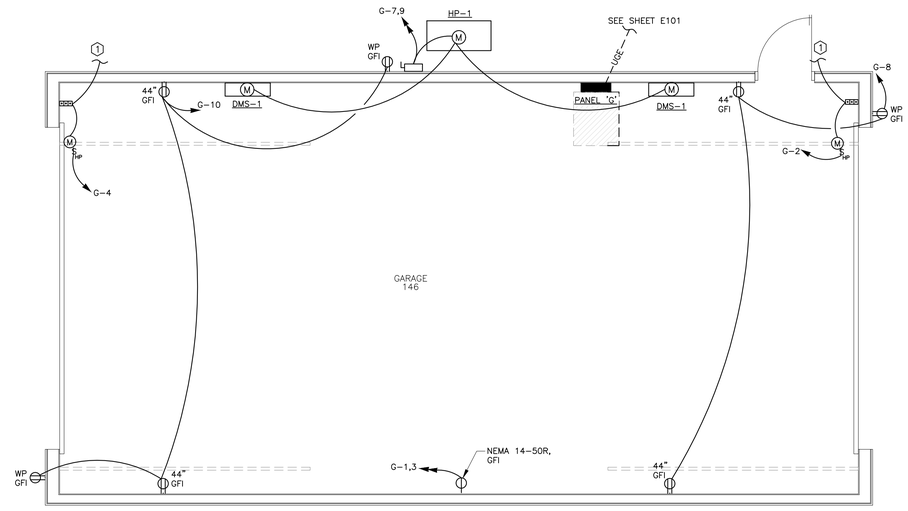
Vehicular Barrier Details

SCALE: None



Area C Power Plan

SCALE: 1/4" = 1'-0"



Area D Power Plan

SCALE: 1/4" = 1'-0"

Area A Power Plan

SCALE: 1/4" = 1'-0"

Area B Power Plan

SCALE: 1/4" = 1'-0"

GEARY ENGINEERING, INC.
7800 'O' STREET SUITE 100
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Tel. (402)489-7627
JOB #36027
COA: CA0405

CONSULTANT:

DESCRIPTION:

DATE: 11-11-2026

PRELIMINARY PRINT 11/11/26

PROJECT ARCHITECT:

LEE DAVIES ARCHITECTURE
1212 BURLINGTON BLVD - NORTH PLATTE NEBRASKA 69101 - PHONE: 308.530.9138

PROJECT INFORMATION:

TITLE: Power Plans

PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

PROJECT NUMBER: 26-213

ISSUE DATE: November 11, 2026

DRAWN BY:

SHEET NUMBER: E200

POWER PANEL SCHEDULE (EXISTING)

PANEL DESIGNATION: E — AREA SERVED:

	LOAD	WATTS	P	WIRE	CB	CKT.	PHASE	CKT.	CB	WIRE	P	WATTS	LOAD
	GEN. HTR. + CHARGER		1		20	1	A	2	20		1		S. RECEPT. CONF. RM.
	FREEZER #3		1		20	3	B	4	20		1		FREEZER #1
	SPACE					5	A	6	20		1		N. RECEPT. CONF. RM.
	SPACE					7	B	8	20		1		FREEZER #2
+	F-1	1200	1	12 CU	15	9	A	10	20		1		OFFICE
+	SOUTH STORAGE LTG	280	1	12 CU	20	11	B	12	20	12 CU	1	540	STORAGE 140/HALL REC. +
+	CU-1	3680	2	12 CU	20	13	A	14			1		SPACE
+	–	–	–	–	–	15	B	16			1		SPACE
+	FORKLIFT CHARGER	1380	1	12 CU	20	17	A	18			1		SPACE
+	SPD	N/A	2	10 CU	30	19	B	20			1		SPACE
+			–	–	–	21	A	22			1		SPACE
	SPACE				20	23	B	24			1		SPACE

120 / 240 VOLTS — TOTAL CONNECTED LOAD: NA — ESTIMATED MAXIMUM DEMAND: NA
1 PHASE, 3 WIRE, SOLID NEUTRAL — MOUNTING: FLUSH — AMPS: 150 — MAIN: LUGS

∗ G.F.I. PROTECTED
+ NEW LOAD

POWER PANEL SCHEDULE

PANEL DESIGNATION: G — AREA SERVED: GARAGE 146

	LOAD	WATTS	P	WIRE	CB	CKT.	PHASE	CKT.	CB	WIRE	P	WATTS	LOAD
	RV OUTLET	4800	2	8 CU	50	1	A	2	20	12 CU	1	1500	OVERHEAD DOOR EAST ∗
			–	–	–	3	B	4	20	12 CU	1	1500	OVERHEAD DOOR WEST ∗
	EXTERIOR LIGHTING	50	1	12 CU	20	5	A	6	20	12 CU	1	250	INTERIOR LIGHTING
	HP-1 / DMS-1	7730	2	8 CU	35	7	B	8	20	12 CU	1	720	EAST RECEPTACLES
			–	–	–	9	A	10	20	12 CU	1	540	WEST RECEPTACLES
	SPARE		1		20	11	B	12	20		1		SPARE
	SPACE		1			13	A	14	20		1		SPARE
	SPACE		1			15	B	16			1		SPACE
	SPACE		1			17	A	18			1		SPACE
	SPACE		1			19	B	20			1		SPACE
	SPACE		1			21	A	22			1		SPACE
	SPACE		1			23	B	24			1		SPACE
	SPACE		1			25	A	26			1		SPACE
	SPACE		1			27	B	28			1		SPACE
	SPACE		1			29	A	30			1		SPACE

120 / 240 VOLTS — TOTAL CONNECTED LOAD: 17.1 KVA — ESTIMATED MAXIMUM DEMAND: 17.1 KVA
1 PHASE, 3 WIRE, SOLID NEUTRAL — MOUNTING: SURFACE — AMPS: 100 — MAIN: BREAKER

∗ G.F.I. PROTECTED

POWER PANEL SCHEDULE

PANEL DESIGNATION: 3 — AREA SERVED: NEW OFFICE SPACE

	LOAD	WATTS	P	WIRE	CB	CKT.	PHASE	CKT.	CB	WIRE	P	WATTS	LOAD
	PANEL S	7195	2	3 CU	100	1	A	2	20	12 CU	1	720	OFFICE 142 RECEPTS.
			–	–	–	3	B	4	100	3 CU	2	17165	PANEL G
	OFFICE 143 RECEPTS.	720	1	12 CU	20	5	A	6	–	–	–		
	OFFICE 144 RECEPTS.	720	1	12 CU	20	7	B	8	20	12 CU	1	540	EXAM ROOM RECEPTS.
	TWH-1	3000	1	12 CU	25	9	A	10	20	12 CU	1	100	EXAM ROOM LIGHTING
	SPARE		1		20	11	B	12	20	12 CU	1	470	SOUTH OFFICE LIGHTING
∗	SOUTH STOR. OVHD. DR.	1500	1	12 CU	20	13	A	14	20		1		SPARE
	SPARE		1		20	15	B	16			1		SPACE
	SPACE		1			17	A	18			1		SPACE
	SPACE		1			19	B	20			1		SPACE
	SPACE		1			21	A	22			1		SPACE
	SPACE		1			23	B	24			1		SPACE
	SPACE		1			25	A	26			1		SPACE
	SPACE		1			27	B	28			1		SPACE
	SPACE		1			29	A	30			1		SPACE

120 / 240 VOLTS — TOTAL CONNECTED LOAD: 32.2 KVA — ESTIMATED MAXIMUM DEMAND: 32.2 KVA
1 PHASE, 3 WIRE, SOLID NEUTRAL — MOUNTING: FLUSH — AMPS: 150 — MAIN: LUGS

∗ G.F.I. PROTECTED

POWER PANEL SCHEDULE

PANEL DESIGNATION: S — AREA SERVED: STORAGE 145

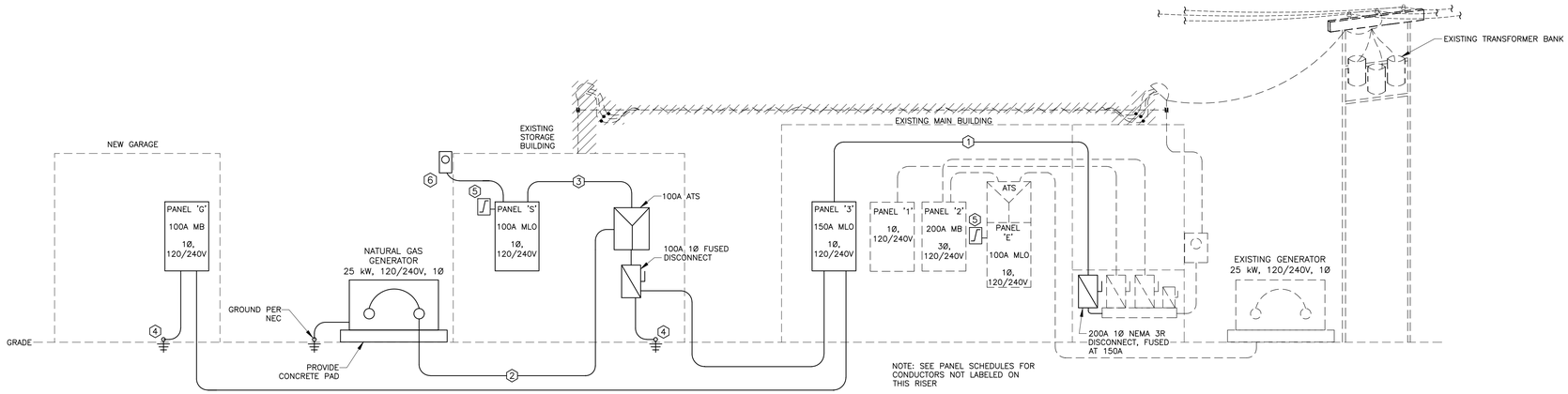
	LOAD	WATTS	P	WIRE	CB	CKT.	PHASE	CKT.	CB	WIRE	P	WATTS	LOAD
	INTERIOR LIGHTING	280	1	12 CU	20	1	A	2	20	12 CU	1	720	GENERAL RECEPTACLES
	CU-2	3240	2	12 CU	20	3	B	4	15	12 CU	1	1120	F-2
			–	–	–	5	A	6	20	12 CU	1	180	GENERATOR MAINT. REC.
	FORKLIFT CHARGER	1380	1	12 CU	20	7	B	8	20	12 CU	1	20	EXTERIOR LIGHT
	SPD		2	10 CU	30	9	A	10	20		1		SPARE
			–	–	–	11	B	12	20		1		SPARE
	SPARE		1		20	13	A	14			1		SPACE
	SPACE		1			15	B	16			1		SPACE
	SPACE		1			17	A	18			1		SPACE
	SPACE		1			19	B	20			1		SPACE
	SPACE		1			21	A	22			1		SPACE
	SPACE		1			23	B	24			1		SPACE
	SPACE		1			25	A	26			1		SPACE
	SPACE		1			27	B	28			1		SPACE
	SPACE		1			29	A	30			1		SPACE

120 / 240 VOLTS — TOTAL CONNECTED LOAD: 7.2 KVA — ESTIMATED MAXIMUM DEMAND: 7.2 KVA
1 PHASE, 3 WIRE, SOLID NEUTRAL — MOUNTING: SURFACE — AMPS: 150 — MAIN: LUGS

ELECTRICAL LEGEND

- CEILING MOUNT DOWNLIGHT
- WALL MOUNTED DOWNLIGHT
- 4' STRIPLIGHT
- 2x4 RECESSED TROFFER
- 1x4 WRAPAROUND
- EMERGENCY LIGHTING FIXTURE
- EXIT LIGHT
- EXIT/EMERGENCY LIGHT COMBO
- $ SWITCH
- $D DIMMER SWITCH
- $3 3-WAY SWITCH
- $HP HORSEPOWER-RATED SWITCH
- $MS MOTION SENSOR SWITCH
- OS OCCUPANCY SENSOR
- FOUR PLEX RECEPTACLE
- RECEPTACLE
- GFI GFI RECEPTACLE
- SPECIAL RECEPTACLE, VERIFY CONFIGURATION WITH EQUIPMENT
- C COMMUNICATIONS CONDUIT
- ◆ # DATA COMMUNICATIONS OUTLET # = NUMBER OF DATA CABLES
- J JUNCTION BOX
- BRANCH CIRCUIT
- A-1 HOME RUN, PANEL-CIRCUIT
- 1 FLOOR PLAN NOTE
- GFI GROUND FAULT INTERRUPTER
- WP WEATHER PROOF
- NONFUSED DISCONNECT
- FUSED DISCONNECT
- M MOTOR, HP
- T THERMOSTAT
- SURGE PROTECTION DEVICE
- SAFETY STRIP

DASHED SYMBOLS INDICATE EXISTING
CROSS HATCHED SYMBOLS INDICATE DEMOLITION



Electrical Riser

SCALE: 3/32" = 1'-0"

ELECTRICAL RISER KEYED NOTES:

1. 3-#1/0 CU AND 1-#6 CU GROUND IN 1-1/2" CONDUIT.
2. 3-#3 CU XHHW AND 1-#8 CU GROUND IN 1-1/4" CONDUIT.
3. 3-#3 CU AND 1-#8 CU GROUND IN 1-1/4" CONDUIT.
4. PROVIDE AND INSTALL #8 CU GROUNDING ELECTRODE TO UNDERGROUND METAL WATER PIPING, BUILDING STEEL AND A CONCRETE-ENCASED GROUNDING ELECTRODE AS REQUIRED PER NEC 250.
5. SURGE PROTECTIVE DEVICE AS REQUIRED PER NEC 700.8.
6. MOUNT PHOTOCELL ON NORTH SIDE OF BUILDING FOR EXTERIOR LIGHTING CONTROL. VERIFY BEST LOCATION IN FIELD AND INSTALL AS REQUIRED.

ENGINE GENERATOR:
25 kW, 120/240 VOLT SINGLE PHASE, 60 Hz, NATURAL GAS FIRED, WEATHERPROOF ENCLOSURE, NFPA LEVEL 2 FOR EMERGENCY POWER SYSTEMS, COLD WEATHER KIT, BATTERY CHARGER, EXHAUST SYSTEM, 2 YR. WARRANTY, 100 AMP OUTPUT BREAKER, EMERGENCY SHUT OFF CONTROL, FACTORY STARTUP

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CONSULTANT:

DESCRIPTION: 11-11-2026

DATE:

PRELIMINARY PRINT 11/11/26

PROJECT ARCHITECT:

PROJECT INFORMATION:

TITLE: Electrical Riser & Schedules

PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

PROJECT NUMBER: 26-213

ISSUE DATE: November 11, 2026

DRAWN BY:

SHEET NUMBER: E300

Mechanical/Electrical Specifications

GENERAL PLUMBING SPECIFICATIONS:

1. EXISTING CONDITIONS ARE BASED ON LIMITED FIELD VERIFICATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND COORDINATE PIPING INSTALLATION WITH EXISTING BUILDING CONSTRUCTION AND OTHER SYSTEMS. BRING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER FOR CLARIFICATION.

2. ALL PLUMBING SHALL COMPLY WITH THE LOCAL PLUMBING & HEALTH DEPARTMENT REQUIREMENTS. WORK SHALL BE PER APPLICABLE CODES, ORDINANCES, RULES & REGULATIONS, AS WELL AS PER LOCAL UTILITY REQUIREMENTS AND THOSE OF OTHER AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, LICENSES, FEES AND INSPECTIONS.

3. INSULATE ALL HOT & COLD WATER PIPING WITH JACKETED FIBERGLASS PIPE INSULATION, 3 LBS/FT3 DENSITY, MIN. .22 K-VALUE AT 75 DEG. F. INSULATION AND ADHESIVE SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS ACCORDING TO ASTM STANDARD AND NFPA 255. ALL JOINTS SHALL BE PROPERLY SEALED TO KEEP INTEGRITY OF VAPOR BARRIER INTACT. STORM PIPING SHALL RECEIVE A PVC JACKET ON ALL EXPOSED PIPING 8-FT ABOVE FINISHED FLOOR AND BELOW.

   COLD WATER UP TO 1-1/4": 1/2" THICK
   HOT WATER UP TO 1-1/4": 1" THICK

4. MATERIALS SHALL BE AS FOLLOWS:
   A. ABOVE GRADE WATER PIPING TO BE TYPE 'L' COPPER PIPING WITH WROUGHT COPPER FITTINGS, SOLDERED OR BRAZED JOINTS.
   B. ALL DRAIN, WASTE & VENT PIPING TO BE CAST IRON WITH HUB & SPIGOT OR NO-HUB COUPLINGS, SCHEDULE 40 PVC PLASTIC, OR COPPER DWV.
   C. CONDENSATE DRAINS TO BE TYPE 'L' COPPER OR SCHEDULE 40 PVC DWV WITH PRIMED AND GLUED FITTINGS.
   D. GAS PIPING TO BE SCHEDULE 40 TYPE E OR S, GRADE B BLACK STEEL PIPE, ASTM 531A 53M, UNLESS NOTED OTHERWISE ON PLAN. ALL GAS PIPING SHALL BE TESTED WITH SOAPY WATER.

4. PROVIDE CLEANOUTS WHERE REQUIRED BY CODE.

5. PROVIDE FIXTURE STOPS AT ALL PLUMBING FIXTURES.

6. PROVIDE ALL FITTING & ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION.

7. HANDICAP PLUMBING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE ADA REQUIREMENTS & LOCAL STATE BARRIER FREE REQUIREMENTS. PROVIDE INSULATED COVERS ON EXPOSED WATER AND WASTE BELOW SINKS.

8. STERILIZE WATER PIPING IN ACCORDANCE WITH LOCAL HEALTH DEPARTMENT REQUIREMENTS FOR APPROVAL FOR DRINKING PURPOSES.

9. TEST ALL NEW PIPING WITNESSED BY ARCHITECT/OWNER/ENGINEER AT HIS OPTION (PROVIDE MIN. 72 HOURS NOTICE). DRAINAGE AND VENT LINES SHALL BE TESTED WITH 10' HEAD FOR MINIMUM 30 MINUTES WITHOUT DROP. WATER PIPING SHALL BE TESTED WITH 125 PSI WATER TO HOLD THIS PRESSURE FOR A PERIOD OF 24 HOURS.

10. COORDINATE ALL WORK IN FIELD WITH ARCHITECTURAL, MECHANICAL & ELECTRICAL TRADES.

11. FIRE & SMOKE INTEGRITY OF ALL WALL, FLOORS, CEILINGS, ETC. SHALL BE MAINTAINED. MATERIALS USED SHALL BE UL CLASSIFIED & FACTORY MUTUAL APPROVED. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND UL STANDARDS.

12. THE INTENT OF THE DRAWINGS IS TO INDICATE THE GENERAL EXTENT OF THE WORK REQUIRED FOR THE PROJECT. THE DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, FIXTURES AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. REFER TO MANUFACTURER'S STANDARD ROUGH-IN DRAWINGS FOR PLUMBING FIXTURE INSTALLATION REQUIREMENTS.

13. ANY CONFLICTS BETWEEN CONSTRUCTION DOCUMENTS, CODES & MANUFACTURER'S INSTALLATION RECOMMENDATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION AS SOON AS POSSIBLE AND BEFORE INSTALLATION. THE CONTRACTOR SHALL BID THE LARGER QUANTITY OR BETTER QUALITY OF WORK, IF THERE ARE CONFLICTS.

14. ALL CUTTING & PATCHING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGE CAUSED TO THE PROJECT WITHOUT COST TO THE OWNER.

15. CONTRACTOR SHALL SUBMIT ELECTRONIC COPIES OF SHOP DRAWINGS DETAILING ALL MATERIALS & EQUIPMENT PROPOSED TO BE USED. MATERIALS AND EQUIPMENT FOR WHICH THERE IS ONLY ONE MANUFACTURER'S NAME, MODEL OR CATALOG NUMBER IS GIVEN, SHALL BE USED AS A STANDARD OF QUALITY. OTHER MATERIALS OR EQUIPMENT OF EQUAL QUALITY AND PERFORMANCE MAY BE USED. THE ENGINEER SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF ITEMS SUBSTITUTED FOR THOSE SPECIFIED. THE ENTIRE COST OF ALL CHANGES OF ANY TYPE DUE TO SUBSTITUTIONS FOR MATERIALS SPECIFIED SHALL BE BORNE BY THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.

16. CONTRACTOR SHALL PROVIDE "AS-BUILT" RECORD DRAWINGS AT THE END OF THE PROJECT. CONTRACTOR SHALL PROVIDE OPERATION & MAINTENANCE MANUALS AND OWNER TRAINING ON OPERATION AND MAINTENANCE PROCEDURES.

17. CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT & LABOR FOR A MINIMUM PERIOD OF ONE YEAR UNLESS A LONGER PERIOD IS SPECIFIED ELSEWHERE FROM DATE OF SUBSTANTIAL COMPLETION & FINAL ACCEPTANCE OF WORK.

GENERAL MECHANICAL SPECIFICATIONS:

1. THE INTENT OF THE DRAWINGS IS TO INDICATE THE GENERAL EXTENT OF HVAC WORK REQUIRED FOR THE PROJECT. THE DRAWINGS ARE DIAGRAMMATIC, SHOWING THE LOCATION, TYPE AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. PROVIDE ALL DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS AND MATERIALS NECESSARY TO FACILITATE THE SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT INDICATED.

2. THE CONTRACTOR SHALL EXAMINE ALL OTHER SPECIFICATIONS, DRAWING AND ALL OTHER FEATURES OF BUILDING CONSTRUCTION WHICH MAY AFFECT HIS WORK AND BE GOVERNED BY THESE SPECIFICATIONS, INCLUDING THE GENERAL CONDITIONS AND PARTICULAR INSTRUCTIONS TO ALL BIDDERS AND SUPPLIERS.

3. ALL WORK SHALL BE EXECUTED AND INSPECTED IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND/OR STATE CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS APPLICABLE TO THIS PARTICULAR CLASS OF WORK, AND EACH CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL SERVICE CHARGES, FEES, PERMITS, ROYALTIES, TAXES, AND OTHER SIMILAR COST IN CONNECTION THEREWITH.

4. PRIOR TO FABRICATION OF DUCTWORK, CONTRACTOR SHALL EXAMINE AND VERIFY ALL CONDITIONS ABOVE AND BELOW THE CEILING WHICH MAY INTERFERE WITH THE DUCT SYSTEM AND NOTIFY THE ARCHITECTS OF ANY CONFLICT ENCOUNTERED. CONTRACTOR SHALL PROVIDE ALL OFFSETS ETC. WHICH MAY BE REQUIRED.

5. ALL SHEET METAL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH "SMACNA" LOW PRESSURE DUCT CONSTRUCTION STANDARDS. CONCEALED ROUND DUCTS SHALL BE GALVANIZED STEEL CONSTRUCTION, WITH 1-1/4" THICK SLIP ON TYPE INSULATION SLEEVE. RECTANGULAR DUCTWORK SHALL BE GALVANIZED STEEL CONSTRUCTION. SINGLE WALL SPIRAL DUCT SHALL BE G-90 GALVANIZED STEEL. ALL EXPOSED SPIRAL DUCT SHALL BE PROVIDED WITH PAINT GRIP FINISH. CLEAN AND PREPARE EXPOSED DUCTWORK TO RECEIVE PAINTING AS RECOMMENDED BY PAINT MANUFACTURER.

6. ROUND FLEXIBLE DUCTS SHALL BE USED AT CONNECTIONS TO LAY-IN CEILING DIFFUSERS/REGISTERS AND SHALL HAVE A MAXIMUM LENGTH OF 36". FLEXIBLE DUCT SHALL HAVE A 1" THICK, 3/4" LBS PER CUBIC FEET BLANKET INSULATION AND AN ACOUSTICALLY TRANSPARENT LINER FOR SOUND ATTENUATION. FLEXIBLE DUCT SHALL BE THERMOFLEX "M-KE" OR EQUAL.

7. FLEX DUCT SHALL NOT BE ALLOWED FOR CONNECTIONS TO DIFFUSERS AND GRILLES IN HARD CEILINGS.

8. ALL DUCTS SHALL BE SUPPORTED WITH 1" WIDE, 16 GAUGE GALVANIZED STEEL BANDS.

9. DUCT INSULATION: SPIRAL DUCT SHALL BE INTERNALLY LINED WITH MIN. 1" INSULATION. ALL OTHER SUPPLY AIR AND OUTSIDE AIR DUCTS LOCATED WITHIN THE BUILDING THERMAL ENVELOPE SHALL BE INSULATED WITH 1" FIBERGLASS WRAP INSULATION OR 1" INTERNAL DUCT LINER, UNLESS NOTED OTHERWISE. RETURN AIR AND EXHAUST AIR DUCTS DO NOT REQUIRE INSULATION. INSULATION SHALL HAVE A FHC OF 25/50 AND BE CLASSIFIED AS MEETING THE REQUIREMENTS OF LIMITED COMBUSTIBILITY.

10. ALL DUCT DIMENSIONS SHOWN ON PLANS ARE SHEET METAL DIMENSIONS.

11. ALL DUCT BENDS EXCEEDING 30 DEGREES SHALL BE RADIUS-RADIUS OR SQUARE WITH TURNING VANES. ALL TURNING VANES SHALL BE DOUBLE WALL GALVANIZED STEEL CONSTRUCTION.

12. ALL JOINTS, SEAMS AND CONNECTIONS (LONGITUDINAL AND TRANSVERSE) EXCEPT CONTINUOUSLY WELDED OR LOCKING JOINTS ON DUCTS OPERATING AT LESS THAN 2" WG PRESSURE, SHALL BE SECURELY SEALED USING:
   - MECHANICAL FASTENERS WITH SEALS, GASKETS OR MASTICS
   - MESH AND MASTIC SEALING SYSTEM (MUST BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A OF UL 181B)
   - TAPE (MUST BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A OF UL 181B).

13. GRILLES, REGISTERS & DIFFUSERS:
   - REFER TO SCHEDULE ON DRAWINGS.
   - APPROVED MANUFACTURERS: CARNES, KREUGER, PRICE, TITUS, TUTTLE & BAILEY

14. CONTRACTOR SHALL COORDINATE LOCATION OF ALL SUPPLY AND RETURN AIR REGISTERS, DUCT, GRILLES, AND DIFFUSERS WITH LIGHTS AND CEILING PATTERNS.

15. MOUNT THERMOSTAT AT 48" MAXIMUM ABOVE THE FINISHED FLOOR. HVAC CONTRACTOR TO PROVIDE AND INSTALL ALL REQUIRED THERMOSTAT AND CONTROL WIRING TO THERMOSTATS. PROVIDE LOCKABLE PLASTIC COVER FOR EACH THERMOSTAT.

16. PROVIDED U.L.F.D. AT ALL DUCT OR AIR DISTRIBUTION PENETRATIONS OF RATED WALLS, FLOORS. OR CEILING ASSEMBLES W/ ACCESS. FIRE & SMOKE INTEGRITY OF ALL WALL, FLOORS, CEILINGS, ETC. SHALL BE MAINTAINED; BARRIERS SHALL BE PROVIDED AS REQUIRED. MATERIALS USED SHALL BE UL CLASSIFIED & FACTORY MUTUAL APPROVED. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND UL STANDARDS.

17. PROVIDE CEILING RADIATION DAMPERS AT ALL CEILING GRILLES MOUNTED IN FIRE RATED FLOOR CEILING ASSEMBLIES.

18. MECHANICAL CONTRACTOR SHALL CONFER W/ ELECTRICAL CONTRACTOR & COORDINATE ALL POWER REQUIREMENTS, CONNECTIONS, ETC.

19. CONTRACTOR IS RESPONSIBLE FOR ALL TRANSITIONS, ELBOWS, OFFSETS IN DUCT TO MAKE SYSTEMS FIT WITHIN SPACE AND STRUCTURE PROVIDED.

20. TESTING AND BALANCING: TO ASSURE PROPER BALANCE AND OPERATION, FOLLOW NEBB AND ASHRAE STANDARDS. ELIMINATE NOISE AND VIBRATION, AND ASSURE PROPER FUNCTION OF ALL CONTROLS, MAINTENANCE OF TEMPERATURE, AND OPERATION. BALANCE MECHANICAL SYSTEM AND SUBMIT COMPLETED TEST REPORT TO CONSTRUCTION MANAGER PRIOR TO REQUEST FOR FINAL PAYMENT. BALANCING CONTRACTOR SHALL BE AN INDEPENDENT CONTRACTOR FROM HVAC INSTALLING CONTRACTOR. ALL SYSTEMS SHALL BE BALANCED TO WITHIN 5% OF AIR VOLUMES INDICATED. ANY DISCREPANCY SHALL BE REPORTED TO HVAC INSTALLER FOR CORRECTION. FINAL BALANCING RESULTS SHALL BE REPORTED IN A CERTIFIED BALANCING REPORT.

21. ANY CONFLICTS BETWEEN CONSTRUCTION DOCUMENTS, CODES & MANUFACTURER'S INSTALLATION RECOMMENDATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION AS SOON AS POSSIBLE AND BEFORE INSTALLATION. THE CONTRACTOR SHALL BID THE LARGER QUANTITY OR BETTER QUALITY OF WORK, IF THERE ARE CONFLICTS.

22. ALL CUTTING & PATCHING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGE CAUSED TO THE PROJECT WITHOUT COST TO THE OWNER.

23. CONTRACTOR SHALL SUBMIT ELECTRONIC COPIES OF SHOP DRAWINGS DETAILING ALL MATERIALS & EQUIPMENT PROPOSED TO BE USED. EQUIPMENT FOR WHICH THERE IS ONLY ONE MANUFACTURER'S NAME, MODEL OR CATALOG NUMBER GIVEN, SHALL BE USED AS A STANDARD OF QUALITY. OTHER MATERIALS OR EQUIPMENT OF EQUAL QUALITY AND PERFORMANCE MAY BE USED. THE ENGINEER SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF ITEMS SUBSTITUTED FOR THOSE SPECIFIED. THE ENTIRE COST OF ALL CHANGES OF ANY TYPE DUE TO SUBSTITUTIONS FOR MATERIALS SPECIFIED SHALL BE BORNE BY THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.

24. CONTRACTOR SHALL PROVIDE "AS-BUILT" RECORD DRAWINGS AT THE END OF THE PROJECT. CONTRACTOR SHALL PROVIDE OPERATION & MAINTENANCE MANUALS AND OWNER TRAINING ON OPERATION AND MAINTENANCE PROCEDURES.

25. CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT & LABOR FOR A MINIMUM PERIOD OF ONE YEAR UNLESS A LONGER PERIOD IS SPECIFIED ELSEWHERE FROM DATE OF SUBSTANTIAL COMPLETION & FINAL ACCEPTANCE OF WORK

GENERAL ELECTRICAL SPECIFICATIONS:

1. THE ELECTRICAL WORK INCLUDES PROVIDING NEW MATERIALS, FIXTURES, DEVICES AND ACCESSORIES NECESSARY FOR A COMPLETE FUNCTIONING ELECTRICAL SYSTEM. THE WORK ALSO INCLUDES FINAL CONNECTIONS TO EQUIPMENT PROVIDED BY OTHERS. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES OR ORDINANCES AND SUBJECT TO INSPECTION.

2. THE INTENT OF THE DRAWINGS IS TO INDICATE THE GENERAL EXTENT OF WORK REQUIRED FOR THE PROJECT. THE DRAWINGS ARE DIAGRAMMATIC, SHOWING THE LOCATION, TYPE, DEVICES, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. PROVIDE ALL FIXTURES, LAMPS, DEVICES, ACCESSORIES, OFFSETS AND MATERIALS NECESSARY TO FACILITATE THE SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT INDICATED. IT IS THE CONTRACTORS RESPONSIBILITY TO VISIT THE JOB SITE AND BECOME INTIMATELY FAMILIAR WITH EXISTING CONDITIONS AS WELL AS WITH CONSTRUCTION DOCUMENTS.

3. COMPLY WITH ALL LAWS APPLYING TO ELECTRICAL INSTALLATIONS IN EFFECT, AND PER THE MOST RECENT LOCALLY ADOPTED EDITION OF THE "NATIONAL ELECTRICAL CODE". PROVIDE CODE APPROVED CLEARANCES AROUND ALL ELECTRICAL EQUIPMENT. CONTRACTOR TO OBTAIN AND PAY FOR ALL PERMITS AND FEES RELATING TO THE ELECTRICAL SYSTEM.

4. MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL CONFORM TO N.E.M.A., NATIONAL ELECTRICAL CODE (NEC) AND UNDERWRITERS LABORATORIES (UL) STANDARDS IN EVERY CASE, WHERE SUCH STANDARDS HAVE BEEN ESTABLISHED.

5. VERIFY VOLTAGE DROPS AND A.I.C. RATINGS FOR ALL EQUIPMENT CONNECTED, AND VERIFY SIZE OF ELECTRICAL SYSTEM BREAKERS, CONDUITS, ETC.

6. BALANCE THE LOADS EVENLY BETWEEN THE PHASES OF THE SYSTEM. MINIMUM UNBALANCE OF 3%.

7. MAINTAIN A MAXIMUM VOLTAGE DROP OF 5% THROUGHOUT THE ENTIRE SYSTEM.

8. MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO CENTER OF BOX, UNLESS NOTED OTHERWISE.
   - SWITCHES 48"
   - RECEPTACLES 18"
   - PANELBOARDS 72" TO TOP OF BOX

9. MINIMUM CIRCUIT TO BE 20 AMP. BREAKER, (2) #12 IN 3/4" CONDUIT (+GND) UNLESS SHOWN OTHERWISE.

10. ALL DEVICES SHALL BE COMMERCIAL GRADE.

11. TOGGLE SWITCHES SHALL BE 20 AMP, 120/277V, AC SPECIFICATION GRADE, COLOR TO BE SELECTED BY ARCHITECT.

12. RECEPTACLES SHALL BE 20 AMP, 125V, THREE WIRE GROUNDING TYPE, SPECIFICATION GRADE WITH U SHAPED SLOT FOR GROUNDING PRONG, COLOR TO BE SELECTED BY ARCHITECT.

13. WALL PLATES SHALL BE REINFORCED NYLON PLASTIC FOR INTERIOR FINISHED SPACES AND GALVANIZED STEEL FOR NON FINISHED AND EXTERIOR SPACES, UNLESS NOTED OTHERWISE. DEVICE PLATES SHALL BE SINGLE AND COMBINATION TYPES TO MATCH WIRING DEVICES. COLOR TO BE SELECTED BY ARCHITECT.

14. PANELBOARDS SHALL BE MANUFACTURED BY SQUARE D, SIEMENS, GE, EATON, OR EQUAL, COPPER BUS. PANELBOARDS SHALL BE DEAD FRONT WITH CIRCUIT BREAKERS AS SCHEDULED. PANELBOARDS AND CIRCUIT BREAKERS SHALL BE FULLY RATED, SERIES RATED ARE NOT ACCEPTABLE. CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE AND HAVE A QUICK MAKE AND BREAK MECHANISM WITH NON-WELDING, SILVER ALLOY CONTACTS. BRANCH CIRCUIT BREAKERS SHALL HAVE A MINIMUM INTERRUPTING CAPACITY OF 10,000 AMPS RMS, UNLESS NOTED OTHERWISE. PROVIDE A COMPLETED TYPED CIRCUIT DIRECTORY INSIDE PANEL DOOR.

15. PROVIDE AN ENGRAVED THREE-LAYER LAMINATED PLASTIC NAME PLATED FOR EACH PANELBOARD, SAFETY SWITCH, MOTOR STARTER, ETC. NAME PLATE SHALL CONSIST OF DESIGNATION WITH WITHE LETTERS ON BLACK BACKGROUND.

16. PROVIDE DISCONNECTING MEANS AT ALL MOTOR LOADS.

17. DISCONNECT SWITCHES SHALL BE HEAVY-DUTY, QUICK-MAKE, QUICK-BREAK TYPE NEMA 1 ENCLOSURES, UNLESS NOTED OTHERWISE ON PLANS.

18. ALL ELECTRICAL WIRING SHALL BE INSTALLED IN CONDUIT RACEWAYS, UNLESS NOTED OTHERWISE. CONDUIT SHALL BE SIZED TO COMPLY WITH "NEC" FOR NUMBER AND SIZE OF CONDUCTORS INSTALLED, MINIMUM 1/2" ABOVE GRADE. PROVIDE SCHEDULE 40 P.V.C. PLASTIC OR RIGID STEEL CONDUIT BELOW GRADE, MINIMUM 3/4". PROVIDE ELECTRICAL METAL TUBING (EMT) MEETING FS #W-C563, OR FLEXIBLE CONDUIT (IN LENGTHS 6'-0" OR LESS) FOR INTERIOR LOCATIONS. EMT FITTINGS, CONDUIT BODIES, AND COUPLINGS SHALL BE STEEL OR MALLEABLE IRON, COMPRESSION TYPE. SET SCREW TYPE ARE NOT ALLOWED. CLAMP CONDUIT TO BOXES WITH BUSHINGS INSIDE AND LOCKNUT OUTSIDE.

19. CONTRACTOR TO PROVIDE CONDUIT AND BOXES FOR TELEPHONE/DATA/CABLE TV OUTLETS, WIRING AND DEVICES ARE BY OTHERS. PROVIDE 3/4" CONDUIT STUBBED TO ABOVE ACCESSIBLE LAY-IN CEILING AT EACH TELEPHONE/DATA AND CABLE TV OUTLET BOX SHOWN ON PLANS. ALL CONDUITS SHALL CONTAIN A SUITABLE PULL STRING OR WIRE TO FACILITATE THE INSTALLATION OF CABLE.

20. CONDUCTORS SHALL BE INSULATED SOFT ANNEALED 98% PURE COPPER WITH COLOR CODING, B & S GAGE, #10 AND SMALLER TO BE SOLID, #8 AND LARGER TO BE STRANDED, MINIMUM #12 UNLESS OTHERWISE INDICATED. ALUMINUM CONDUCTORS WILL NOT BE ALLOWED. "THHN" MAY NOT BE USED UNDERGROUND, OUTSIDE, OR IN WET LOCATIONS. ALL INSULATION TO BE RATED FOR 600 VOLT AND TYPES AS FOLLOWS:

   #10 AND SMALLER: THW, THHN, OR THWN
   #8 AND LARGER: THW OR THHN
   SERVICE ENTRANCE: USE-RHW

21. LAYOUT BRANCH CIRCUIT WIRING AND ARRANGEMENT OF HOME RUNS FOR MAXIMUM ECONOMY AND EFFICIENCY. INCREASE WIRE SIZE IF VOLTAGE DROP EXCEEDS 3% OR 100 FEET OF LENGTH.

22. ALL ELECTRICAL EQUIPMENT SHALL BE ADJUSTED AND TESTED FOR PROPER OPERATION. AFTER WIRES ARE IN PLACE AND CONNECTED TO DEVICES AND EQUIPMENT, THE SYSTEM SHALL BE TESTED FOR SHORTS AND GROUNDS. ALL HOT AND NEUTRAL CONDUCTORS, IF SHORTED OR GROUNDED, SHALL BE REMOVED AND REPLACED. ALL METERS, INSTRUMENTS, CABLE CONNECTIONS, EQUIPMENT, OR APPARATUS NECESSARY FOR MAKING ALL TESTS, SHALL BE FURNISHED BY THIS CONTRACTOR AT HIS OWN EXPENSE.

23. ELECTRICAL RECEPTACLES WITHIN 6'-0" OF SINKS OR WATER or ALL WITHIN BATHROOMS SHALL BE GFCI TYPE.

24. ANY CONFLICTS BETWEEN CONSTRUCTION DOCUMENTS, CODES & MANUFACTURER'S INSTALLATION RECOMMENDATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION AS SOON AS POSSIBLE AND BEFORE INSTALLATION. THE CONTRACTOR SHALL BID THE LARGER QUANTITY OR BETTER QUALITY OF WORK, IF THERE ARE CONFLICTS.

25. CONTRACTOR SHALL SUBMIT ELECTRONIC COPIES OF SHOP DRAWINGS DETAILING ALL MATERIALS & EQUIPMENT PROPOSED TO BE USED. MATERIALS AND EQUIPMENT FOR WHICH THERE IS ONLY ONE MANUFACTURER'S NAME, MODEL OR CATALOG NUMBER IS GIVEN, SHALL BE USED AS A STANDARD OF QUALITY. OTHER MATERIALS OR EQUIPMENT OF EQUAL QUALITY AND PERFORMANCE MAY BE USED. THE ENGINEER SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF ITEMS SUBSTITUTED FOR THOSE SPECIFIED. THE ENTIRE COST OF ALL CHANGES OF ANY TYPE DUE TO SUBSTITUTIONS FOR MATERIALS SPECIFIED SHALL BE BORNE BY THE CONTRACTOR AT NO EXTRA COST TO THE OWNER. SHOP DRAWINGS SHALL BE SUBMITTED FOR THE FOLLOWING:
   - SWITCHGEAR / PANELBOARDS
   - SAFETY SWITCHES
   - DEVICES
   - LIGHT FIXTURES

26. PROVIDE EMERGENCY LIGHTING PER LOCAL CODE REQUIREMENTS IN ALL EGRESS AND PUBLIC SPACES.

27. FIRE & SMOKE INTEGRITY OF ALL WALL, FLOORS, CEILINGS, ETC. SHALL BE MAINTAINED; BARRIERS SHALL BE PROVIDED AS REQUIRED. MATERIALS USED SHALL BE UL CLASSIFIED & FACTORY MUTUAL APPROVED. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND UL STANDARDS.

28. CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT & LABOR FOR A MINIMUM PERIOD OF ONE YEAR UNLESS A LONGER PERIOD IS SPECIFIED ELSEWHERE FROM DATE OF SUBSTANTIAL COMPLETION & FINAL ACCEPTANCE OF WORK.

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DESCRIPTION:

DATE: 11-11-2026

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PROJECT ARCHITECT:

LEE DAVIES ARCHITECTURE
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PROJECT INFORMATION:

TITLE: Mechanical/Electrical Specifications

PROJECT: Panhandle Public Health Alterations
18 W. 16th Street
Scottsbluff Nebraska

PROJECT NUMBER: 26-213

ISSUE DATE: November 11, 2026

DRAWN BY:

SHEET NUMBER: ME100