



TEXAS
Health and Human Services

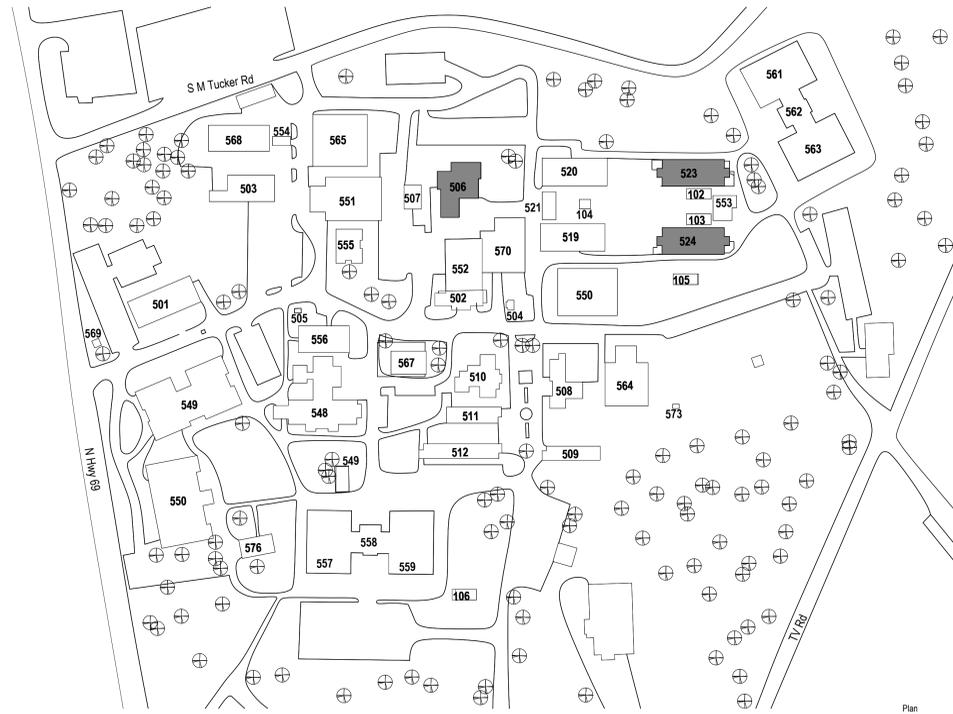
Attachment H-1

Project Drawings

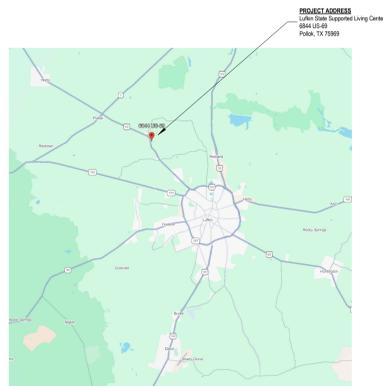
TEXAS HEALTH & HUMAN SERVICES COMMISSION
 LUFKIN STATE SUPPORTED LIVING CENTER
 6844 US-69, POLLOK, TX 75969

NEW HVAC UNITS AT BUILDINGS 506, 523, AND 524
 PROJECT NO. 25-102-LFL

Issue for Construction 11/13/2025



Site Map



Project Location



9301 SOUTHWEST FREEWAY, STE 350
 HOUSTON, TX 77074
 (346) 484-3300
 www.thr3edesign.com

COMMISSION NAME
 Texas Health & Human
 Services Commission New
 HVAC Units at Buildings
 506, 523 and 524. Project
 NO. 25-107-LFL



Lufkin State Supported Living
 Center
 6844 US-60
 Pollok, TX 75969



11/13/2025
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Sheet Index		
SHEET NUMBER	SHEET TITLE	Issue for Construction
G000	Cover	X
G100	General Information	X
G101	Standard Mounting Heights and ADA Clearances	X
G110	Life Safety Plan - Building 506	X
G111	Life Safety Plan - Building 523 & Building 524	X
S000	Structural Notes	X
S100	Roof Framing Plan	X
S300	Structural Details	X
A101	Demolition Roof Plan & Reflected Ceiling Plan - Building 506	X
A111	Floor Plan & Roof Plan - Building 506	X
A112	Demolition Floor Plan & Combined Floor and Site Plan - Building 523	X
A112.1	Demolition Reflected Ceiling Plan & Renovation Reflected Ceiling Plan - Building 523	X
A113	Demolition Floor Plan & Combined Floor and Site Plan - Building 524	X
A113.1	Demolition Reflected Ceiling Plan & Renovation Reflected Ceiling Plan - Building 523	X
M1000	Information Sheet - Mechanical	X
M001	Schedules - Mechanical	X
M101	Demolition Roof Plan - Building 506 - Mechanical	X
M102	Demolition Plans - Building 523 and 524 - Mechanical	X
M103	Demolition Plans - Buildings 523 and 524 - Piping	X
M201	Renovation Plans - Building 506 - Mechanical	X
M202	Renovation Plan - Building 523 and 524 - Mechanical	X
M203	Renovation Plans - Building 523 and 524 - Piping	X
M301	Details - Mechanical	X
M302	Details - Mechanical	X
E1000	Information Sheet - Electrical	X
E101	Demolition Plans - 506 - Electrical	X
E102	Demolition Plans - 523 and 524 - Electrical	X
E201	Renovation Plans - 506 - Electrical	X
E202	Renovation Plans - 523 and 524 - Electrical	X
P1000	Information Sheet - Plumbing	X
P101	Demo & Reno Roof Plans - Building 506 - Plumbing	X

ISSUES			
No.	Date	Description	
	11/13/2025	Issue for Construction	

SHEET TITLE
 Cover

THR3E DESIGN LLC COMMISSION NO: 225-003

SHEET NUMBER
 G000

Architectural Barriers Project Registration: TABS2026005136

PRINT DATE / TIME: 11/13/2025 11:52:17 AM

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ABBREVIATIONS table listing various construction abbreviations and their meanings, such as ACOUS Acoustical, ADJ Adjustable, etc.

Abbreviation Legend 13

REFLECTED CEILING PLAN table showing symbols for surface mounted LED downlight, recessed LED downlight, etc.

FLOOR PLANS table showing symbols for duplex outlet, duplex dedicated outlet, duplex emergency panel outlet, etc.

Standard Building Elements 11

SECTION table showing symbols for Acoustical Ceiling Board, Aluminum, Brick, Carpet, Ceramic Tile, Concrete, etc.

Standard Materials 9

DESCRIPTION SYMBOL DESIGNATORS table listing symbols for Benchmark Indicator, Building Section, Control Elevation Indicator, etc.

Reference Symbols 6

APPLICABLE CODES AND STANDARDS

- 1. TEXAS ADMINISTRATIVE CODE - EFFECTIVE APRIL 1, 2024
A. 2021 INTERNATIONAL BUILDING CODE
B. 2020 NATIONAL ELECTRICAL CODE
C. 2021 INTERNATIONAL MECHANICAL CODE
D. 2021 INTERNATIONAL PLUMBING CODE
E. 2021 INTERNATIONAL FIRE CODE WITH CITY OF HOUSTON AMENDMENTS
F. 2021 INTERNATIONAL ENERGY CONSERVATION CODE

NAME OF PROJECT: at Buildings 506, 523 and 524, Project No. 25-107-LFL
ADDRESS: 6844 US-69, Pollok, TX 75969
PROPOSED USE: Institutional Group I-1, Condition 1

PROJECT DESCRIPTION
The Project consists of the renovation of the existing Building 506, Building 523 and Building 524 to replace the existing HVAC units for the buildings. The existing campus is currently operational.

NEW CONSTRUCTION LEASE SPACE BUILD OUT (LSBO) SUBSTANTIAL IMPROVEMENT
SHELL BUILDING CHANGE OF OCCUPANCY OTHER RENOVATION

CODE ANALYSIS

Table showing applicable codes, occupancy based requirements, and fire resistive ratings requirements based on construction type.

INTERIOR FINISHES BASED ON OCCUPANCY I-1, SPRINKLERED

Table showing interior finish classifications for walls, ceilings, and floors based on occupancy and sprinklered status.

EXIT WIDTH CALCULATION

Table showing exit width calculations for various building areas, such as entrance doors and exit doors.

EXITS AND EXIT ACCESS

Table showing exit width calculations for various building areas, such as entrance doors and exit doors.

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Table showing exit width calculations for various building areas, such as entrance doors and exit doors.

Code Analysis 1

GF logo and contact information for Garner-Fritzsche Engineering, Inc., including address and phone number.

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TEXAS Health and Human Services logo and project information for Texas Health & Human Services Commission.

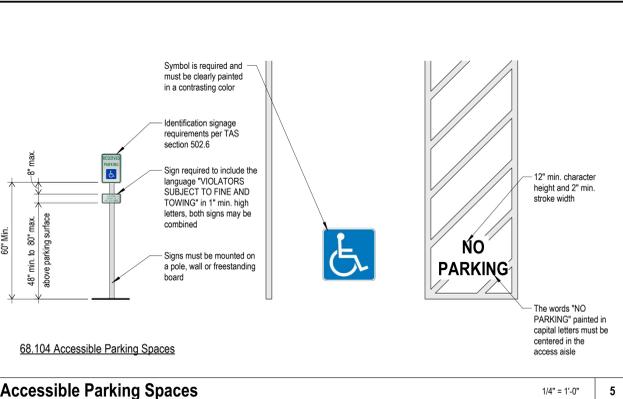
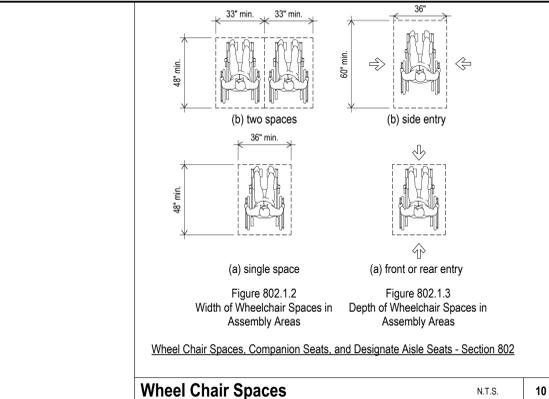
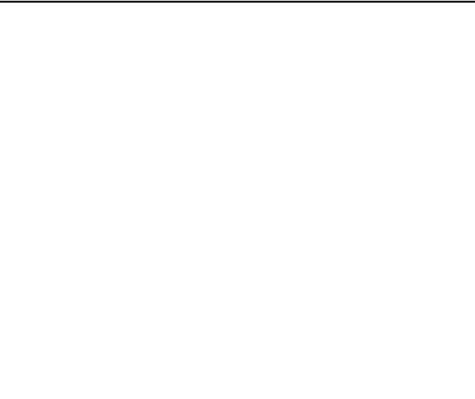
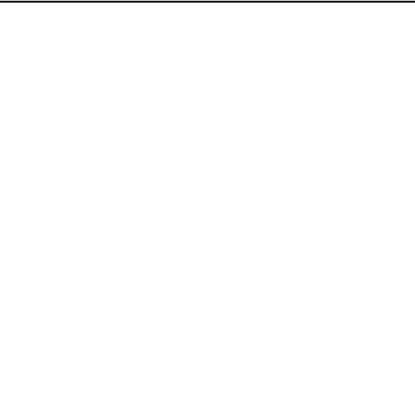
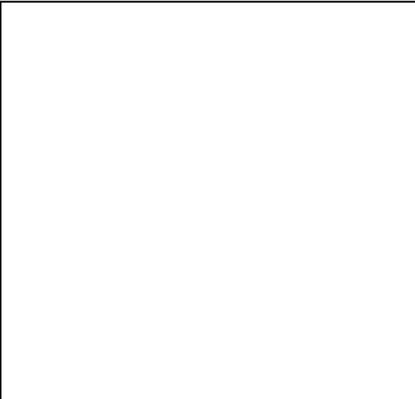
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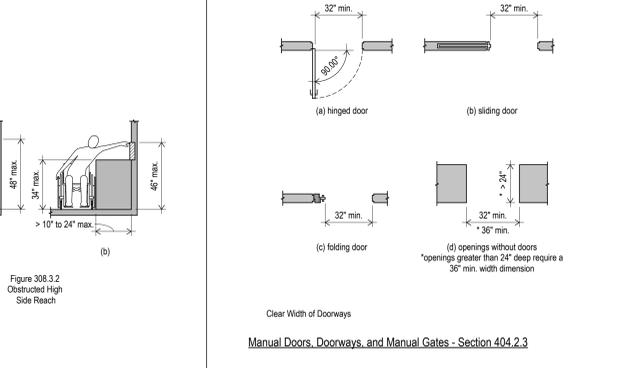
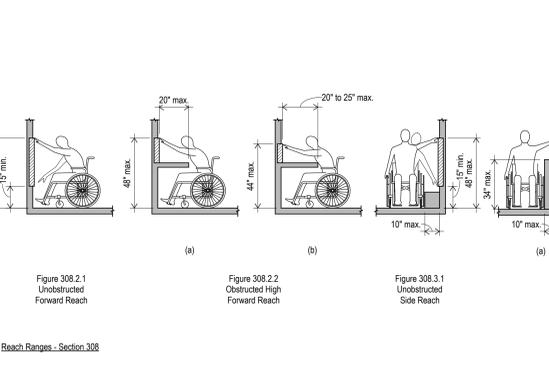
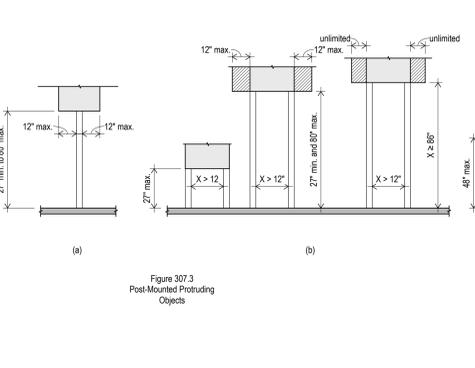
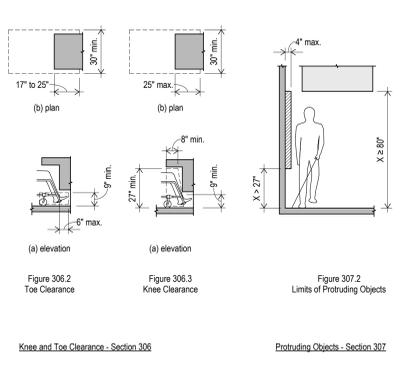
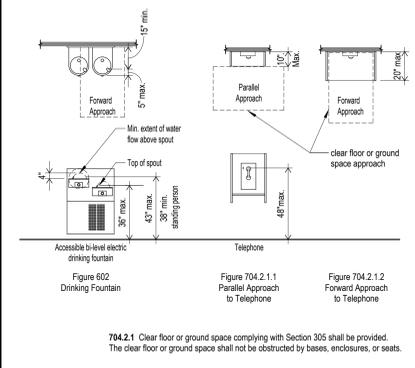
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General Information section including sheet title (G100), print date/time, and project details.

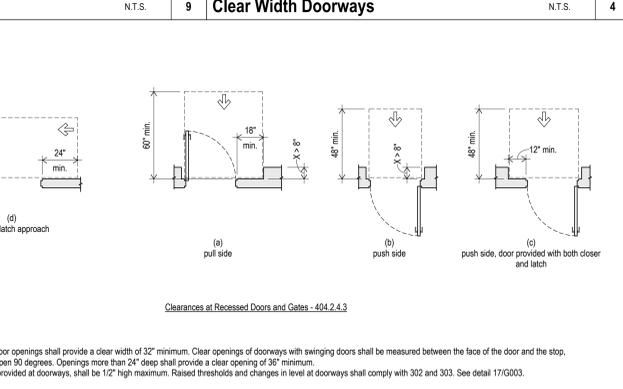
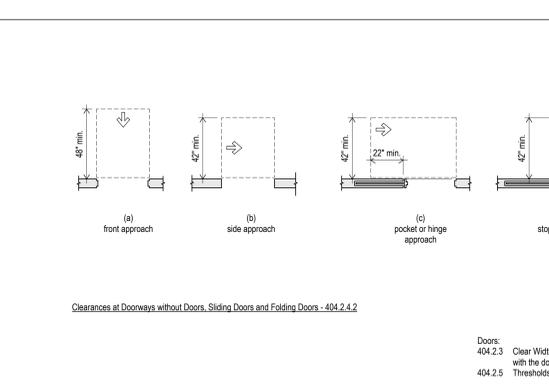
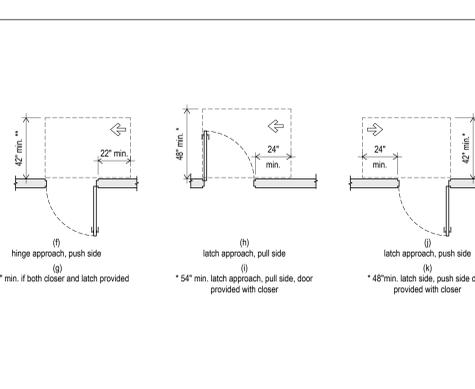
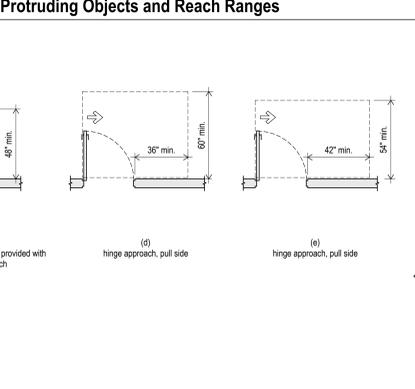
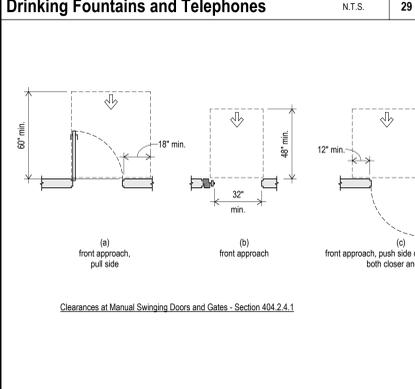
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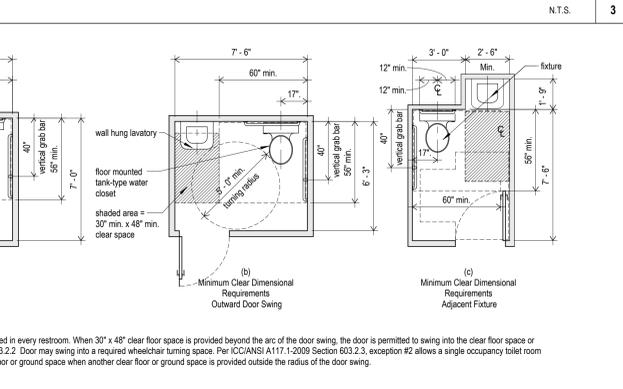
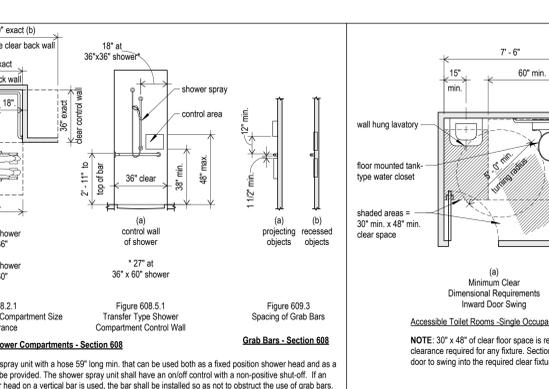
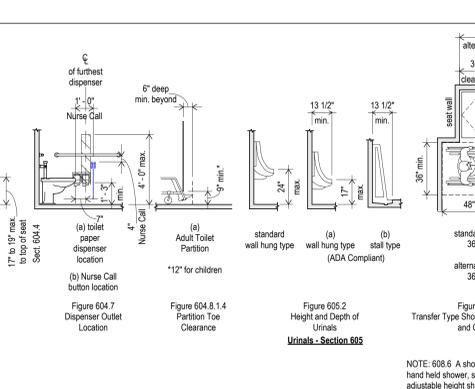
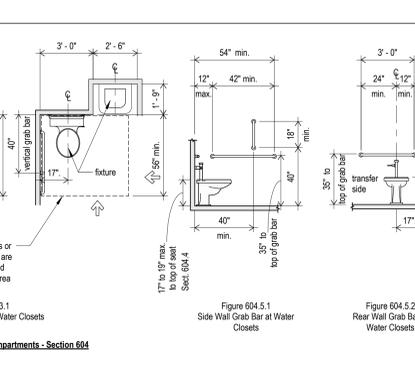
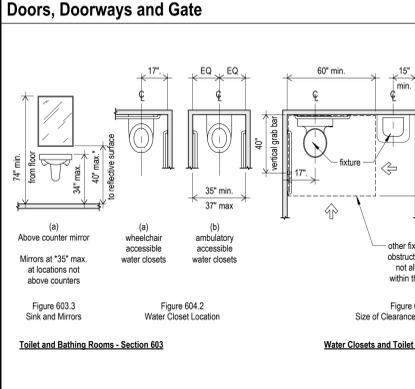
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Texas Reg. No. F-5712
GFE Project No. 21041



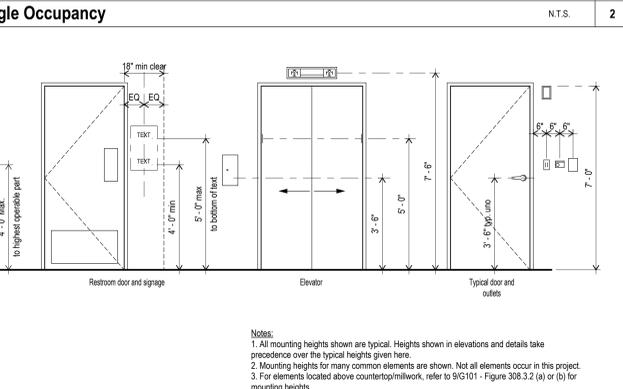
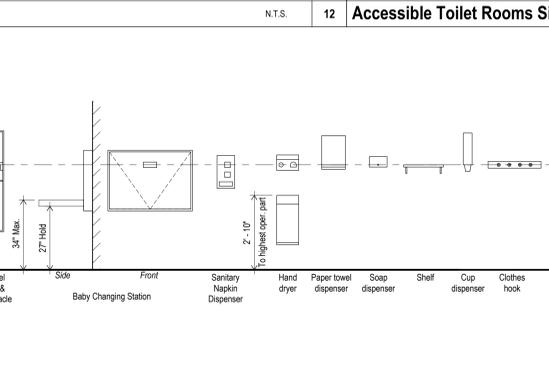
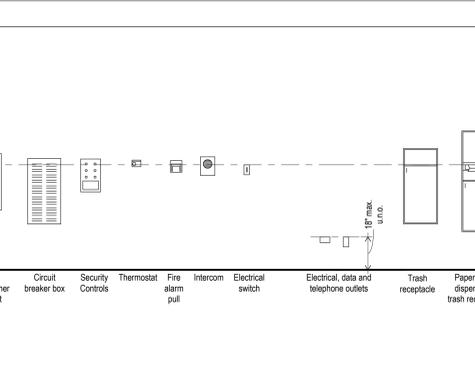
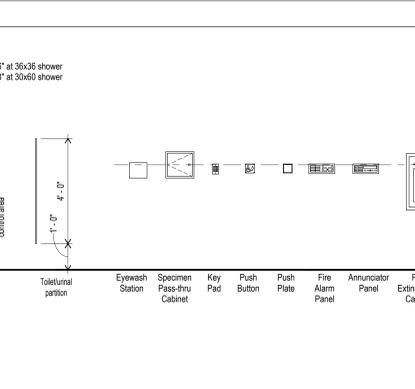
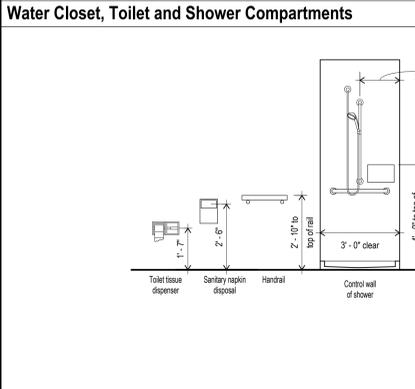
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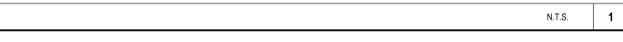
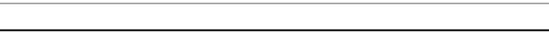
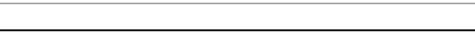
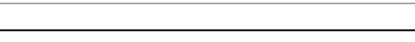
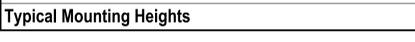
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Standard Mounting Heights and ADA Clearances
THRESE DESIGN LLC COMMISSION NO: 225-003
G101
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THRESE DESIGN LLC COMMISSION NO: 225-003
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Architect



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COMMISSION NAME
Texas Health & Human Services Commission New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL



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ISSUES

No.	Date	Description
1	11/13/2025	Issue for Construction

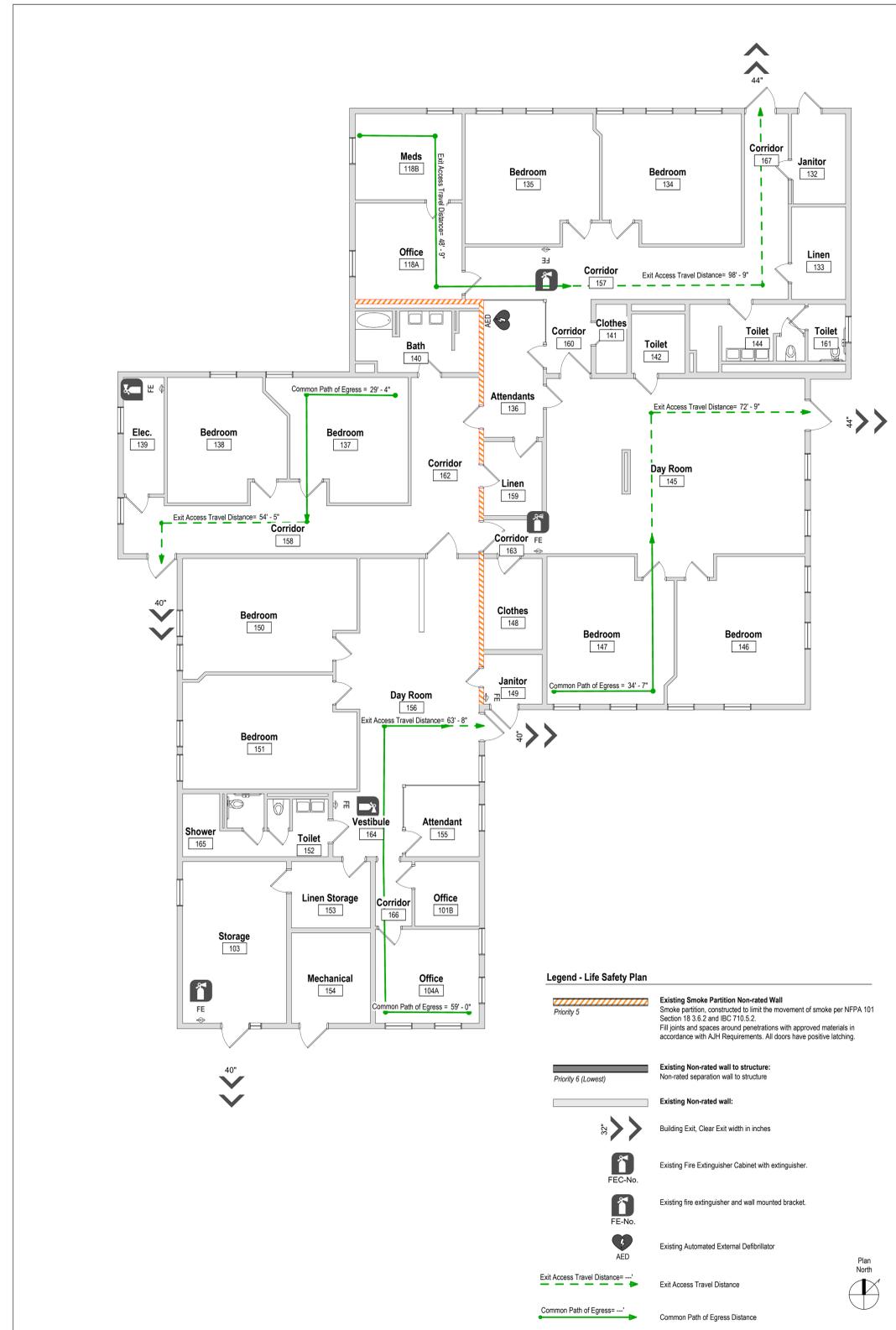
SHEET TITLE
Life Safety Plan - Building 506

THR3E DESIGN LLC COMMISSION NO: 225-003

SHEET NUMBER

G110

PRINT DATE / TIME: 11/13/2025 11:52:19 AM



Legend - Life Safety Plan

- Existing Smoke Partition Non-rated Wall
Smoke partition, constructed to limit the movement of smoke per NFPA 101 Section 18.3.3.2 and IBC 710.5.2. Fill joints and spaces around penetrations with approved materials in accordance with A.H.J. Requirements. All doors have positive latching.
- Existing Non-rated wall to structure:
Non-rated separation wall to structure
- Existing Non-rated wall:
- Building Exit, Clear Exit width in inches
- Existing Fire Extinguisher Cabinet with extinguisher.
- Existing fire extinguisher and wall mounted bracket.
- Existing Automated External Defibrillator
- Exit Access Travel Distance
- Common Path of Egress Distance



Life Safety Plan - Building 506

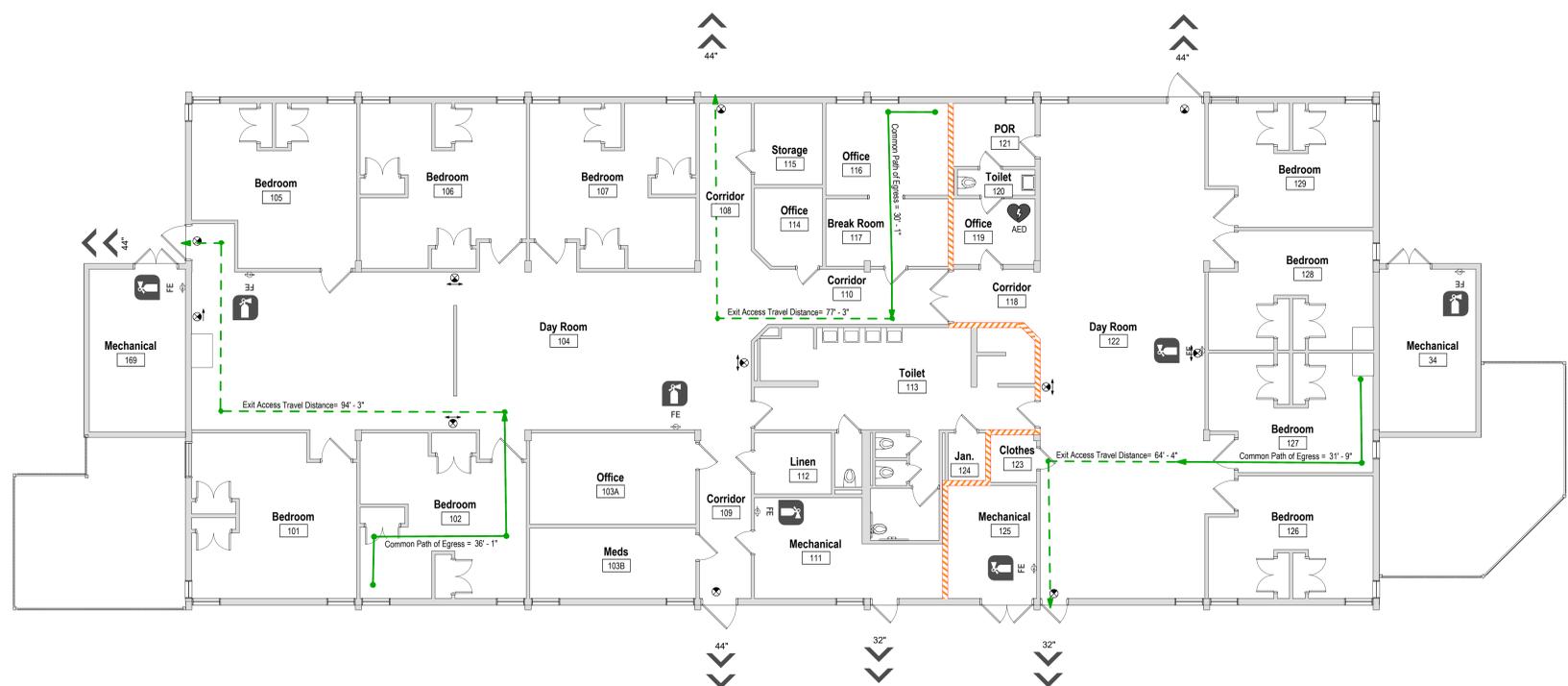
1/8" = 1'-0"

1

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Legend - Life Safety Plan

Priority 5
 Existing Smoke Partition Non-rated Wall
 Smoke partition, constructed to limit the movement of smoke per NFPA 101 Section 18.3.6.2 and IBC 710.5.2. Fill joints and spaces around penetrations with approved materials in accordance with A/JH Requirements. All doors have positive latching.

Priority 6 (Lowest)
 Existing Non-rated wall to structure:
 Non-rated separation wall to structure

Existing Non-rated wall:

3' >> Building Exit, Clear Exit width in inches

FEC-No. Existing Fire Extinguisher Cabinet with extinguisher.

FE-No. Existing extinguisher and wall mounted bracket.

AED Existing Automated External Defibrillator

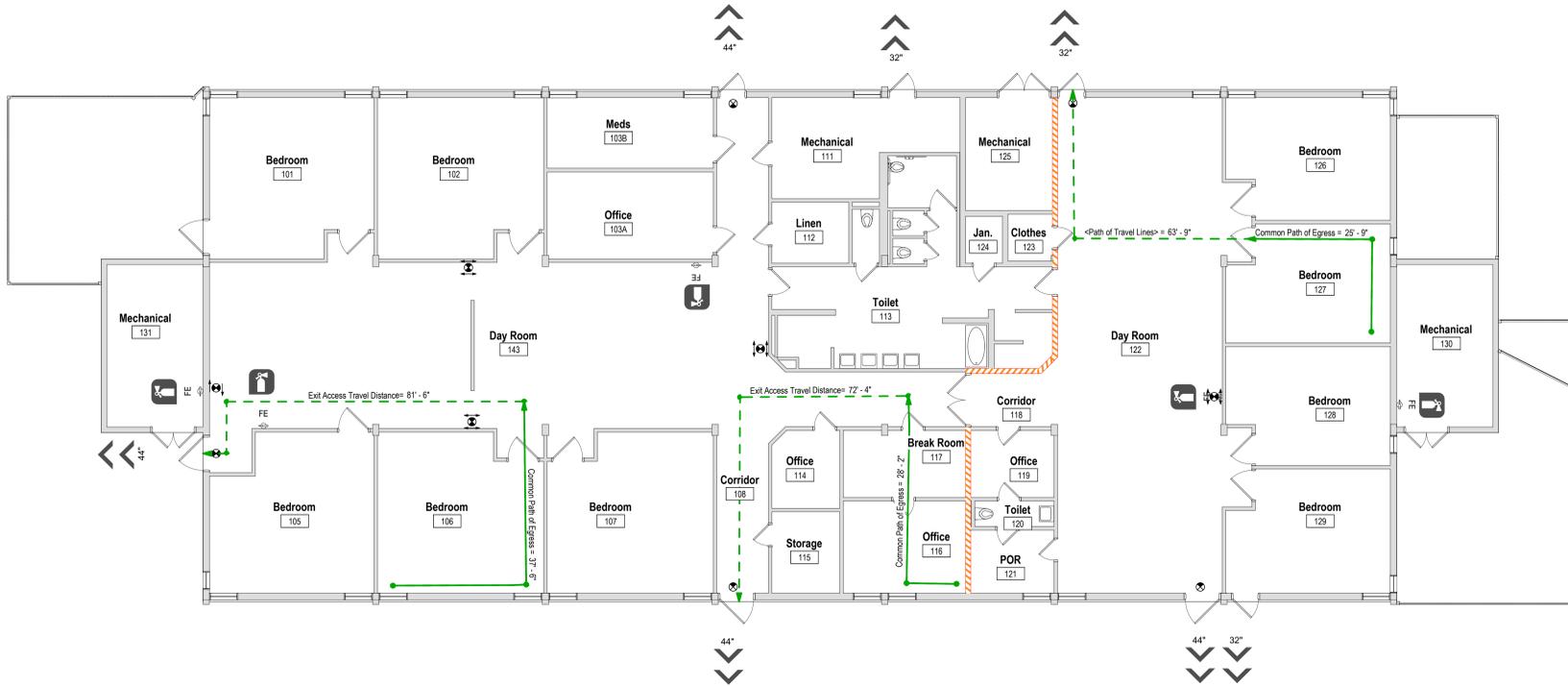
Exit Access Travel Distances --- Exit Access Travel Distance

Common Path of Egress --- Common Path of Egress Distance



Life Safety Plan - Building 524

1/8" = 1'-0" 3



Legend - Life Safety Plan

Priority 5
 Existing Smoke Partition Non-rated Wall
 Smoke partition, constructed to limit the movement of smoke per NFPA 101 Section 18.3.6.2 and IBC 710.5.2. Fill joints and spaces around penetrations with approved materials in accordance with A/JH Requirements. All doors have positive latching.

Priority 6 (Lowest)
 Existing Non-rated wall to structure:
 Non-rated separation wall to structure

Existing Non-rated wall:

3' >> Building Exit, Clear Exit width in inches

FEC-No. Existing Fire Extinguisher Cabinet with extinguisher.

FE-No. Existing extinguisher and wall mounted bracket.

AED Existing Automated External Defibrillator

Exit Access Travel Distances --- Exit Access Travel Distance

Common Path of Egress --- Common Path of Egress Distance



Life Safety Plan - Building 523

1/8" = 1'-0" 1



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Architect



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COMMISSION NAME

Texas Health & Human Services Commission New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL



TEXAS
 Health and Human Services

Lufkin State Supported Living Center
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 Pollok, TX 75969

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ISSUES

No.	Date	Description
1	11/13/2025	Issue for Construction

SHEET TITLE
Life Safety Plan - Building 523 & Building 524

THRSE DESIGN LLC COMMISSION NO. 225-003
 SHEET NUMBER

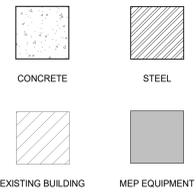
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HATCH LEGEND



SHEET INDEX	STRUCTURAL NOTES
S0 SERIES	PLANS
S1 SERIES	PLANS
S3 SERIES	STEEL

ABBREVIATIONS

ARCH	ARCHITECT, ARCHITECTURAL
BOD	BOTTOM OF DECK (METAL DECK ONLY)
BP	BASEPLATE
CFMF	COLD FORMED METAL FRAMING
CJP	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONT	CONTINUOUS
DBA	DEFORMED BAR ANCHOR
(E)	EXISTING
EJ	EXPANSION JOINT
ENG	ENGINEER
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQ	EQUAL
FFE	FINISH FLOOR ELEVATION
FTG	FOOTING
FV	FIELD VERIFY
GT	GIRDER TRUSS
HCA	HEADER CONCRETE ANCHOR
HDG	HOT-DIP GALVANIZED
HDR	HEADER
HORIZ	HORIZONTAL
HSS	HOLLOW STEEL SECTION
INFO	INFORMATION
KSI	KIPS PER SQUARE INCH
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
LW	LIGHT WEIGHT
MAX	MAXIMUM
MCJ	MASONRY CONTROL JOINT
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MFR	MANUFACTURER
MIN	MINIMUM
NTS	NOT TO SCALE
NW	NORMAL WEIGHT
O.C.	ON CENTER
O.H.	OPPOSITE HAND
PCF	POUNDS PER CUBIC FOOT
PJP	PARTIAL JOINT PENETRATION
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
REF	REFER, REFERENCE
REINF	REINFORCED, REINFORCEMENT
REQ'D	REQUIRED
SIM	SIMILAR
SOG	SLAB ON GRADE
SQ	SQUARE
SS	STAINLESS STEEL
T.O.	TOP OF
TOW	TOP OF WALL
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TYP	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT	VERTICAL
WWF	WELDED WIRE FABRIC

GENERAL

- Refer to Architectural, Mechanical, Electrical, and Plumbing series drawings for floor elevations, slopes, drains, and location of depressed and elevated floor areas.
- Structural series drawings shall be compared with drawings of other series; differences shall be referred to the Architect for instruction.
- The general contractor is responsible for coordination of all resulting revisions to the structural system or other trades as a result of acceptance of contractor proposed alternatives or substitutions.
- The general contractor and sub-contractors shall determine the scope of the structural work from the contract documents taken as a whole. The structural drawings shall not be considered separately for purposes of bidding the structural work. Due consideration shall be given to other structural work or work related to the structure, including necessary coordination described or implied by the Architectural, and MEP drawings.
- Safety Measures: At all times the Contractor shall be solely and completely responsible for the conditions of the job site, including, but not limited to:
 - Safety of the persons and property,
 - Means and methods of construction,
 - Compliance with applicable OSHA requirements and guidelines,
 - All necessary independent engineering reviews of these conditions.
- The contractor shall brace and/or shore the construction as required to provide a safe and true structure. Where bracing and/or shoring is indicated in the drawings, it is done so only as a courtesy to the contractor and shall not relieve the contractor of their responsibility to coordinate the work with the aforementioned provisions. The Architect's or Engineer's job site review is not intended to include review of the adequacy of the contractor's safety measures.
- Principal openings in the structure are indicated on the contract documents. Refer to the architectural and MEP drawings for openings, sleeves, curbs, inserts, etc. not indicated on the structural drawings. Submit new or modified opening locations to StructuresPE, LLP for review and approval.
- The reproductive use of the structural contract documents or electronic files as structural shop drawing documents by the contractor or sub-contractors is not allowed. Submitting copies of the structural drawings is unacceptable and will be rejected.
- Scales noted on the drawings are for general reference only. No dimensional information shall be obtained by direct scaling of the drawing.
- These drawings do not, nor are intended to, locate property lines, building set backs nor height limitations. It is the contractor's responsibility to locate the building and construct it to, and within, applicable code restrictions. Further, it is the Civil Engineer's responsibility to address site drainage appropriate to the site and in consideration of adjoining properties.
- The general contractor is responsible for fitting new work with existing construction. Information on existing buildings shown in the drawings was based upon the information supplied to Structures. This information is not as-built data and the actual as-built construction may differ from that represented in the drawings. Contractors shall verify all information. Variations from the dimensions indicated on the contract documents shall be brought to the attention of the architect and/or Structures.

CODES

- The structure and components shown in these drawings have been designed under the guidelines of the structural requirements listed in the 2018 International Building Code with required amendments.
- Minimum Design Loads & Associated Criteria for Buildings & Other Structures, ASCE/SEI 7-16
- Structural Steel: American Institute of Steel Construction, AISC 360-16

DESIGN BASIS

- Gravity Loads:
 - The self weight of all specified structural components is included as dead load. Additional design gravity loads are as follows:

MEP and Ceiling:	10 psf
Roof Assemblies Above Decking:	5 psf
Mechanical Units:	See Plan
Poured gypsum decking:	17.5 psf
Sprinkler Systems:	See Below

Fire sprinkler piping supported by the structural system is to be distributed so that the weight of the water-filled pipe divided by tributary area of the supporting member does not exceed 50 pounds per square foot, and the loading imparted to any one structural member does not exceed 50 pounds per linear foot. Each structural support of the piping shall be designed to support a load equal to the weight of the water-filled pipe plus 250 pounds.
 - Live Loads*:

Roof:	20 psf
-------	--------

The structure has been designed in accordance with ASCE 7 including the following wind design parameters:

Ultimate Design Wind Speed (3 second gust)	109 miles per hour
Risk Category	II
Wind Exposure	B
Internal Pressure Coefficient	+/- 0.18

See the following design wind pressures for exterior components and cladding materials not specifically designed by the registered design professional responsible for the design of the structure:

Risk Category	II
Seismic Importance Factor	I _s = 1.0
Mapped Spectral Acceleration, Short Period	S _s = 0.087
Mapped Spectral Acceleration, 1-Second Period	S ₁ = 0.053
Site Class	D
Spectral Response Coefficient, Short Period	S _{DS} = 0.093
Spectral Response Coefficient, 1-Second Period	S _{1S} = 0.085
Seismic Design Category	A
Basic Seismic Force Resisting System	Ordinary reinforced masonry shear walls
Design Base Shear(s)	V = C _s W _e (per ASCE7 Section 11.7)
Seismic Response Coefficient	C _s = 0.01
Analysis Procedure Used	Simplified lateral procedure

4. Ground Snow Load: P₀ = 5 psf.

STRUCTURAL STEEL

- Contractor shall fabricate and erect steel in accordance with OSHA's safety requirements, including 29 CFR Part 1926 Safety Standards for Steel Erection.
- All structural steel shall conform to the following ASTM Specifications:
 - Wide flange: A992
 - Angles & Plates: A572 Gr. 50
 - Channels: A992
 - HSS (rectangular, square, & round): A500 Gr. C
 - Pipe: A53, type E or S, Gr. B
- Connection bolts for structural steel members shall be high strength bolts which meet or exceed the requirements of ASTM A325, Type N, X, or SC Class A. Bolts shall be designed as bearing type bolts, except as noted. Bolts shall be installed in accordance with the "snug tight" condition as outlined in the "Specification for Structural Joints Using ASTM A325 or A490 bolts". Bolts shall have a hardened washer placed under the element to be tightened.
- Connections with oversized round holes and connections with holes slotted in the direction of load shall be designed as "slip critical" with SC Class A bolts. See documents for connections specified as slip critical. Bolts for slip-critical connections shall be tightened by the use of the turn-of-the-nut method or the use of load-indicating type bolts, or load-indicating washers, installed in accordance with the manufacturer's recommendations.
- Structural steel details and connections shall conform to the standard of the AISC Steel Construction Manual. Field connections shall be equivalent to standard framed connections using minimum 3/4" A325 bolts with type ASTM A563 nuts and washers in accordance with Section 6 of the A.I.S.C. unless noted otherwise. Connections shall be bolted or welded - see details.
- Splicing of structural steel members is prohibited without prior approval of the Engineer as to location and type of splice to be made. Any member having splice not shown and detailed on shop drawings will be rejected.
- Welding shall conform to the American Welding Society (AWS) Standard D1.1. Electrodes for shop and field welds shall conform to AWS A5.1 or AWS A5.5, Class E70XX, low hydrogen.
- Penetrations shall not be cut in structural steel members unless indicated in the drawings or approved by StructuresPE, LLP.

MEP



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 FIRM NO.: F-3323

COMMISSION NAME

Texas Health & Human Services Commission
 New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL



Lufkin State Supported Living Center
 6844 US-60
 Pollok, TX 75969

REGISTERED



ISSUES

No.	Date	Description
0	11/13/2025	Issue for Construction

SHEET TITLE

STRUCTURAL NOTES

THR3E DESIGN LLC COMMISSION NO: 225-003

SHEET NUMBER

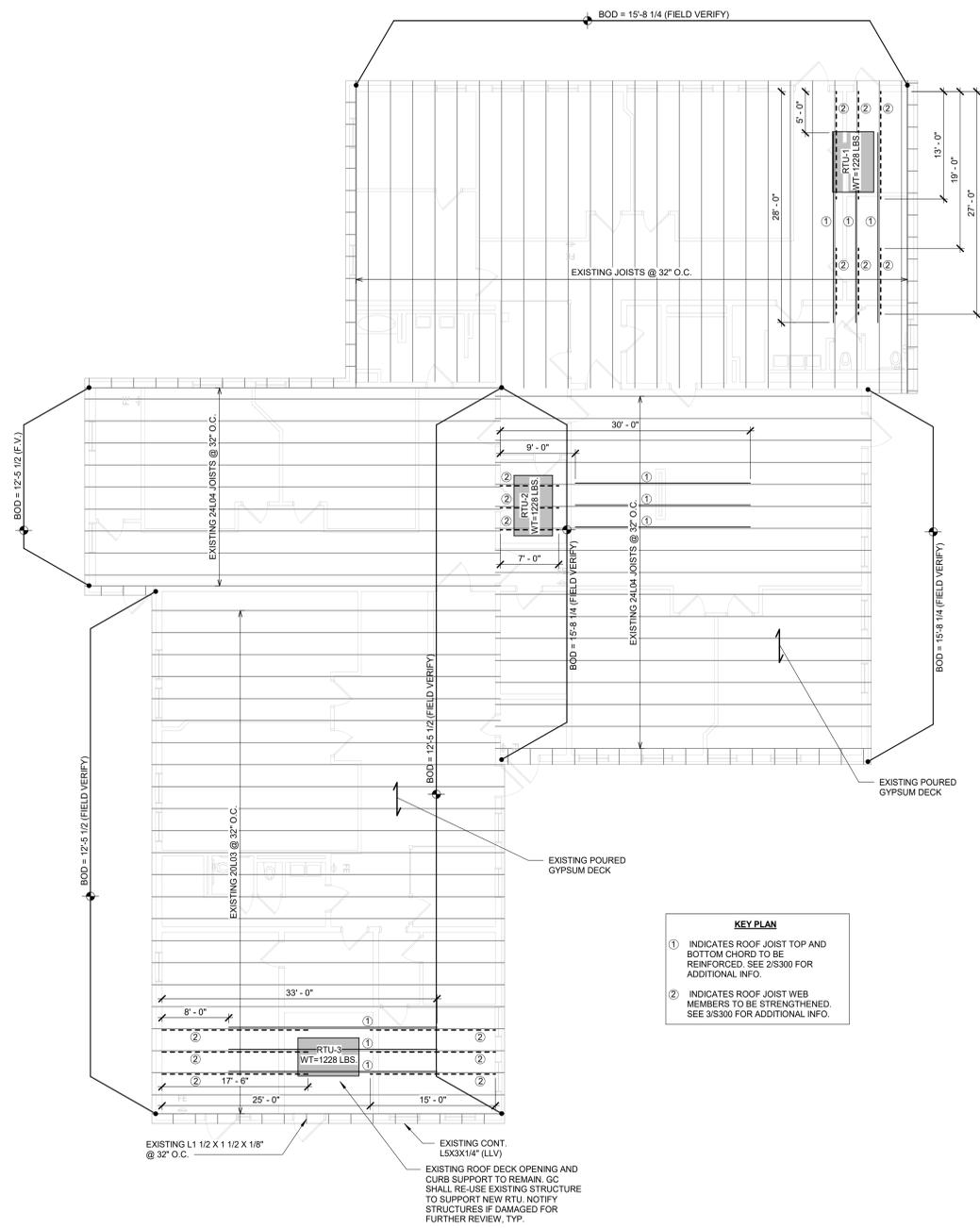
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KEY PLAN

① INDICATES ROOF JOIST TOP AND BOTTOM CHORD TO BE REINFORCED. SEE 2/S300 FOR ADDITIONAL INFO.

② INDICATES ROOF JOIST WEB MEMBERS TO BE STRENGTHENED. SEE 3/S300 FOR ADDITIONAL INFO.

1 ROOF FRAMING PLAN - BUILDING 506
1/8" = 1'-0"

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SHEET TITLE
ROOF FRAMING PLAN - BUILDING 506

THR3E DESIGN, LLC COMMISSION NO: 225-003
 SHEET NUMBER
S100

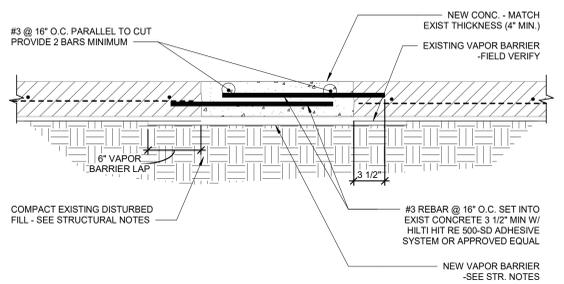
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NOTE: DETAIL ASSUMES EXISTING SLAB BEARS ON COMPACTED SELECT FILL. THE CONTRACTOR SHALL NOTIFY THE ENGINEER SHOULD THE EXISTING SLAB CONSTRUCTION DIFFER THAN SHOWN - REPLACE ANY REMOVED FILL WITH SELECT COMPACTED FILL AND REPLACE OR REPAIR ANY DAMAGED VAPOR RETARDER WITH APPROVED MATERIAL.

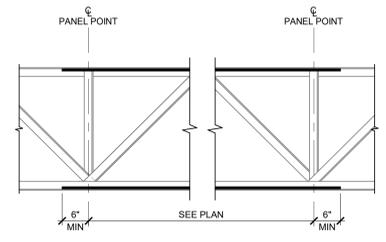
NOTE: SLAB PATCH DETAIL CAN BE UTILIZED FOR STRUCTURAL FOUNDATION AS WELL AS SIDEWALK DIRECTLY ADJACENT TO THE BUILDINGS REFERENCED.



1 TYPICAL CONCRETE PATCH DETAIL AT BUILDING 523 AND 524 (AS REQUIRED)

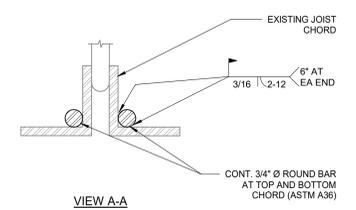
1 1/2" = 1'-0"

NOTE:
1. ALL REINFORCEMENT SHOULD BE CENTERED ON THE JOIST SPAN U.N.O. ON PLAN.
2. REINFORCEMENT LENGTHS GIVEN ON PLAN ARE MINIMUM LENGTHS. REINFORCEMENT SHOULD BE EXTENDED 6" BEYOND THE NEAREST JOIST PANEL POINT. EXACT REINFORCEMENT LENGTH TO BE DETERMINED IN THE FIELD.

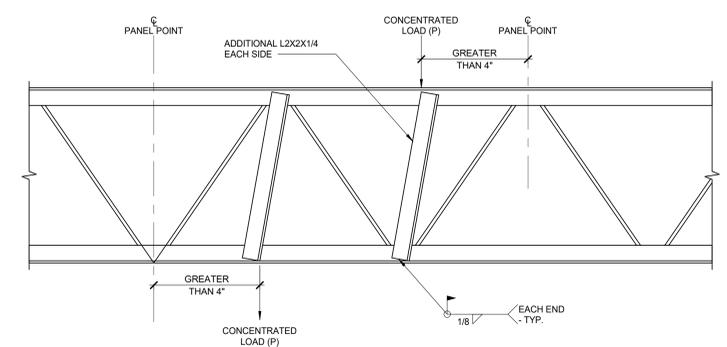


2 EXISTING JOIST CHORD REINFORCING

3/4" = 1'-0"



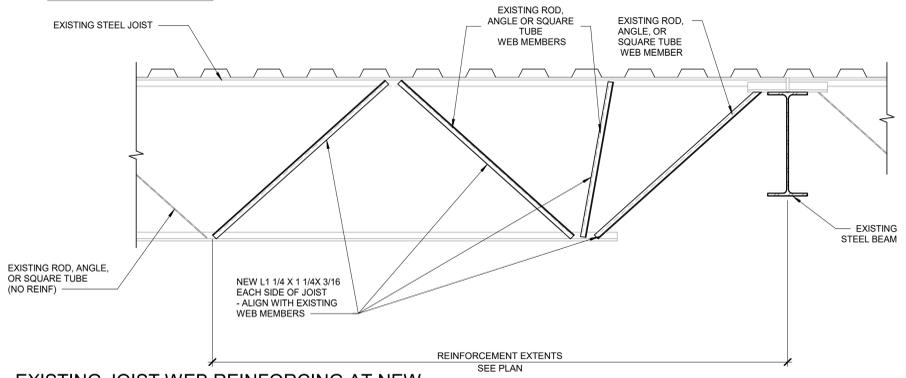
NOTES:
1. WHERE CONCENTRATED LOADS ARE SUPPORTED BY JOIST CHORDS AND ARE LOCATED MORE THAN 4" FROM A PANEL POINT CENTER LINE REINFORCE THE JOIST WITH AN ADDED ANGLE (EACH SIDE OF JOIST) EXTENDING FROM THE POINT LOAD TO THE NEAREST PANEL POINT ON THE OPPOSITE CHORD.
2. DO NOT PLACE LOADS ON JOIST UNTIL ANGLE REINFORCEMENT IS INSTALLED.
3. P = CONCENTRATED LOAD GREATER THAN 100 LBS. (MAXIMUM OF 3 CONCENTRATED LOADS PER JOIST)



4 JOIST REINFORCEMENT AT POINT LOADS

1 1/2" = 1'-0"

NOTE: SEE PLAN FOR REQ'D LOCATIONS.



3 EXISTING JOIST WEB REINFORCING AT NEW MECHANICAL UNITS

3/4" = 1'-0"

MEP

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TEXAS Health and Human Services

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Center
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ISSUES

No.	Date	Description
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SHEET NUMBER
S300

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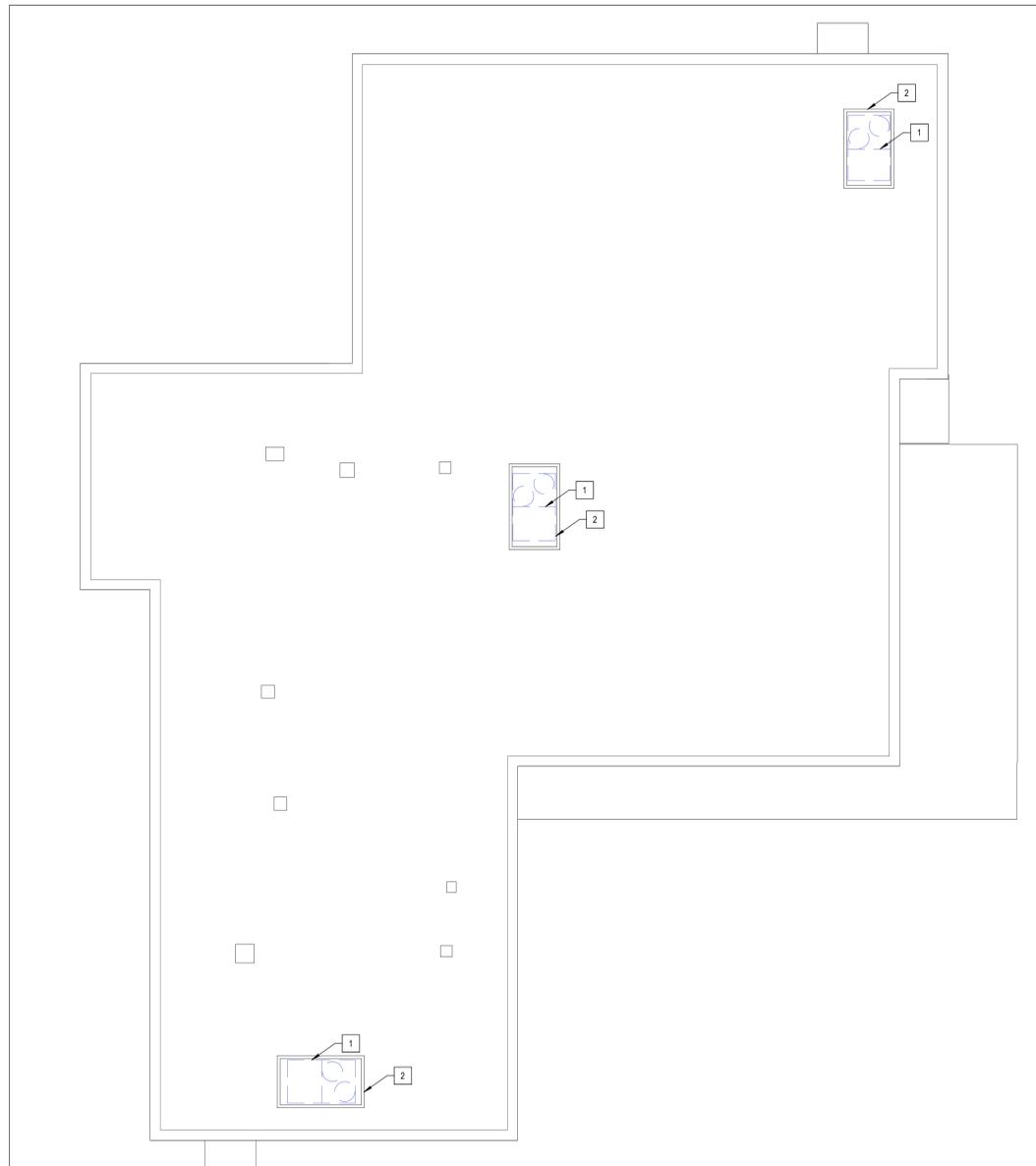
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General Notes to Demolition Plans

- Existing Conditions:**
 - Field verify all existing conditions and dimensions.
 - Demolition quantities are unclassified except where existing construction is graphically designated or noted to remain. Where partitions, ceiling, floors, etc. are shown as removed, demolition shall be inclusive of MEP services/utilities contained within, unless requirements are noted. See Civil, Structural, Mechanical, Electrical and Plumbing documents. See new construction document tie-ins to existing systems, services and materials to fully determine actual demolition limits.
 - Prior to initiating saw-cutting, the General Contractor is responsible for confirming the accuracy of all existing plumbing locations. Should any discrepancies be identified, the General Contractor must promptly inform the Architect.
 - The graphical representations of saw-cuts are intended solely for bidding purposes and include dimensions accordingly. Final saw-cuts placement must be coordinated with the dimensions of the existing building.
- Salvage and Storage:**
 - The owner reserves the right to retain the following salvaged items, if so notified (and if not specifically incorporated or reused in this project) carefully remove, tag, transport, and store in owner designated storage space (on campus or facility) the following items:
 - Electrical Fixtures and Devices
 - Door, Frames, and Hardware
 - Mechanical Grilles/Diffusers
 - Plumbing Fixtures and Trim
 - Milwork and Casework Units
 - Should the owner decline to accept and provide storage for any of the above, they shall become property of the general contractor, and must be promptly removed from the site.
- Removal/Protection/Repair:**
 - Remove all attachments found on partition faces and ceilings, and turn over to owner. I.E. Surface mounted toilet accessories, soap dispensers, cubicle curtain tracks, TV wall mounting brackets, etc.
 - Removal of any antennas or computer and telephone cable and/or system boards must be coordinated and scheduled with the owner.
 - Protect by appropriate means all existing construction, finishes, and equipment that is to remain. All damaged items/finishes must be repaired/restored to their original (pre-damaged) condition.
 - Demolition requiring air hammers or other loud noise generating equipment must be carefully coordinated and scheduled with the owner. Working hours for such activity will be restricted.
 - All penetrations found in existing chases and fire-rated partitions or shafts, not specifically called out, must be patched/fire-safed to meet the required fire assembly rating.
 - Where imbedded items or plumbing fixtures, etc. are removed, patch/repair the existing construction to remain to match and to maintain the structural and/or fire protection integrity of the floor and wall.
 - After removal of existing construction of finishes, patch or repair the remaining existing substrates as required to receive the scheduled finish.
 - Provide temporary partitions as required to contain all construction areas for the duration of the project. Remove all temporary partitions after completion of the project.



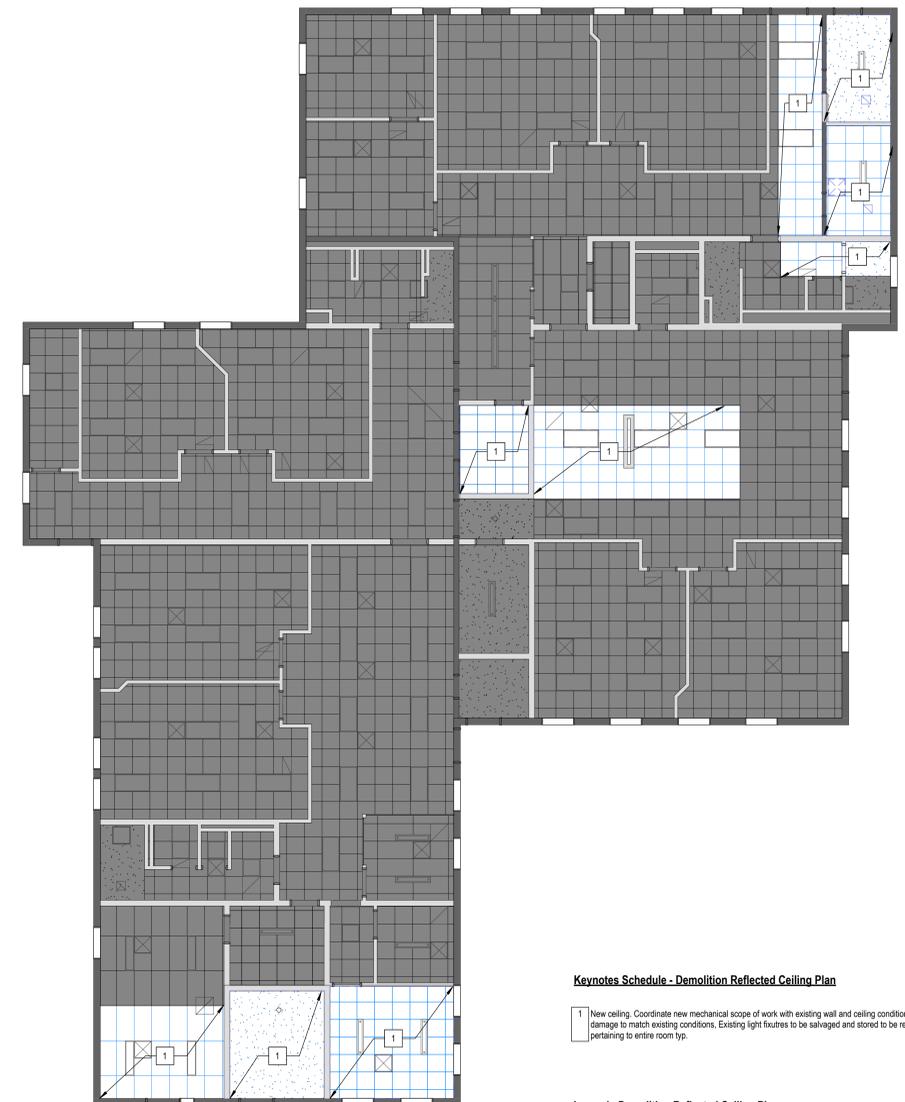
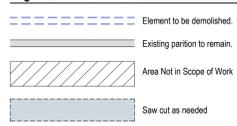
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 - Provide temporary partitions as required to contain all construction areas for the duration of the project. Remove all temporary partitions after completion of the project.

Keynotes Schedule - Demolition Floor Plan

- Mechanical unit to be demolished. Refer to Mechanical.
- Prep existing curb to receive new curb adapter for new HVAC unit, typ.

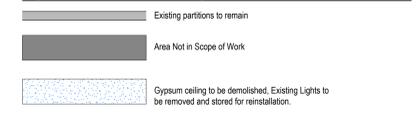
Legend - Demolition Plans



Keynotes Schedule - Demolition Reflected Ceiling Plan

- New ceiling. Coordinate new mechanical scope of work with existing wall and ceiling conditions. Repair any damage to match existing conditions. Existing light fixtures to be salvaged and stored to be reinstalled. Note pertaining to entire room typ.

Legend - Demolition Reflected Ceiling Plan



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COMMISSION NAME
Texas Health & Human Services Commission New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL



Lufkin State Supported Living Center
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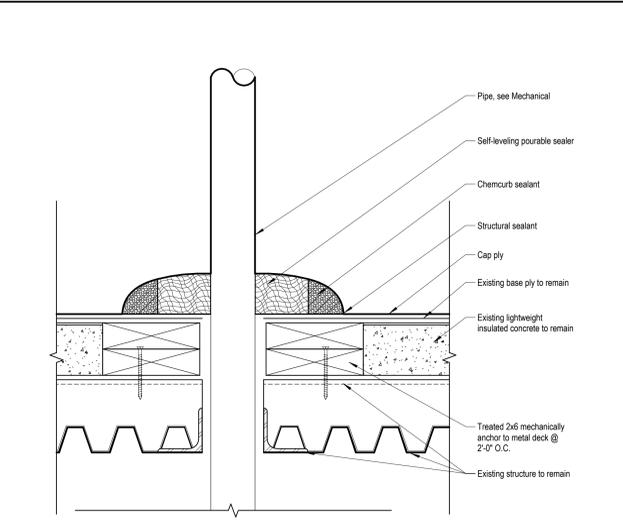
SHEET TITLE
Demolition Roof Plan & Reflected Ceiling Plan - Building 506

THR3E DESIGN LLC COMMISSION NO: 225-003

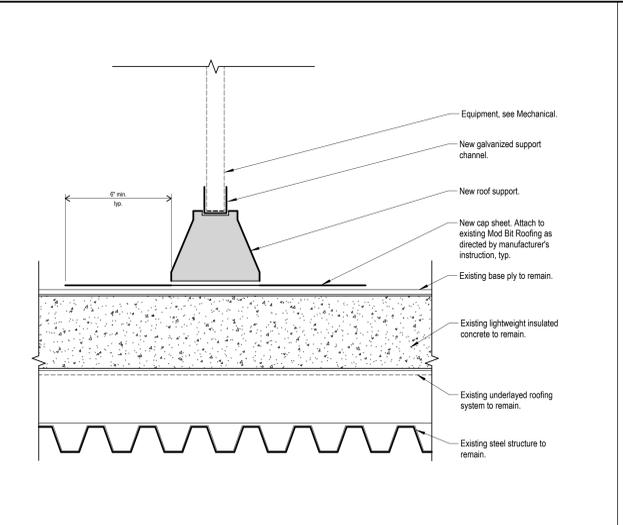
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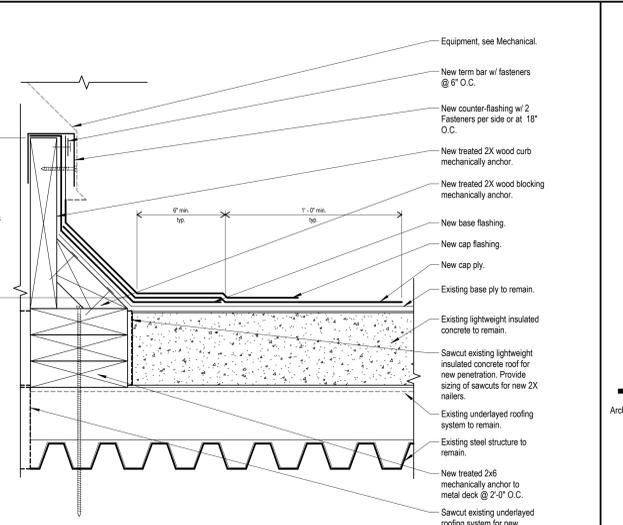
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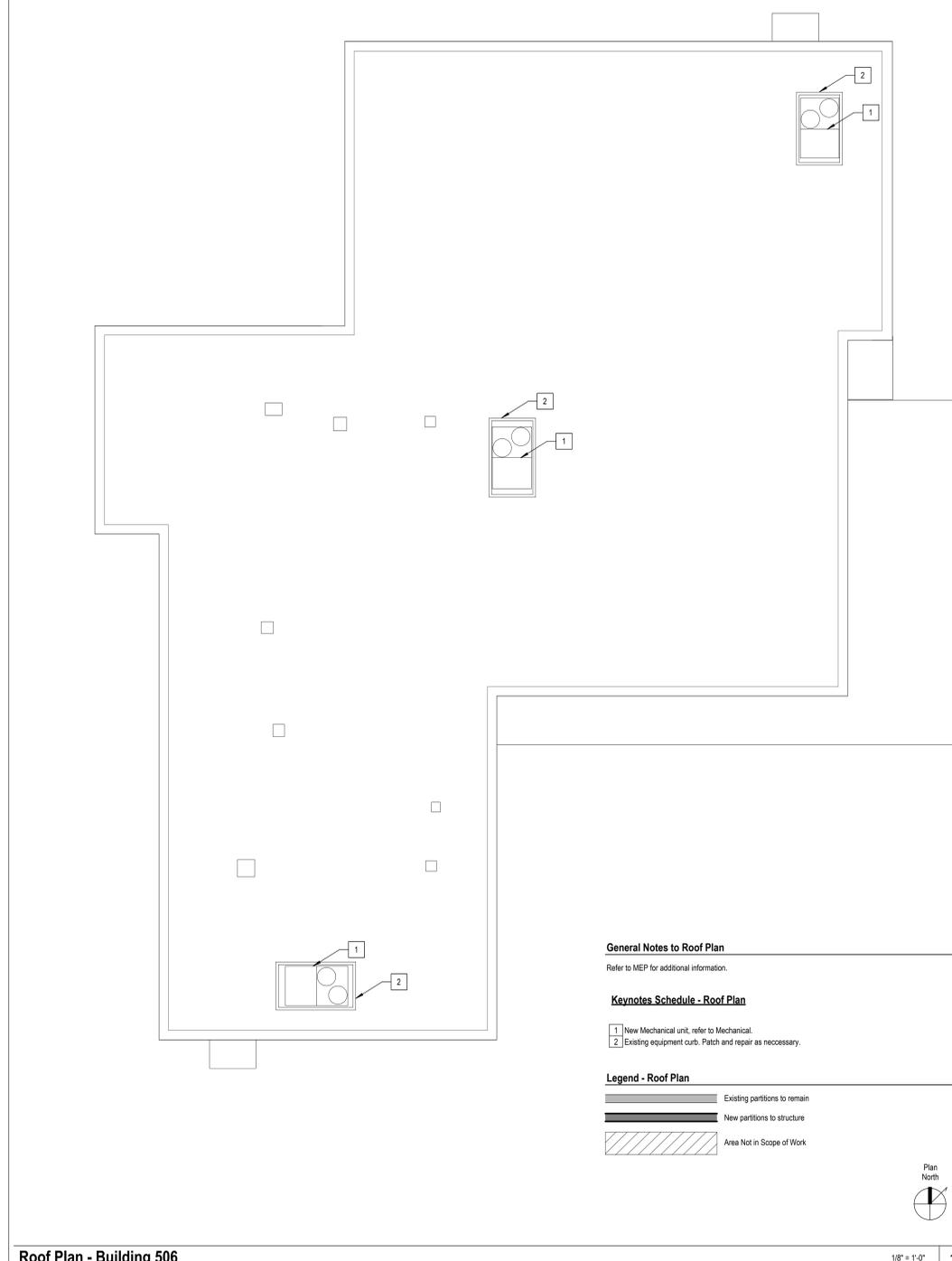
Pipe Penetration, typ. 3" = 1'-0" 19



Equipment Pad, typ. 3" = 1'-0" 9



Equipment Curb, typ. 3" = 1'-0" 4



General Notes to Roof Plan

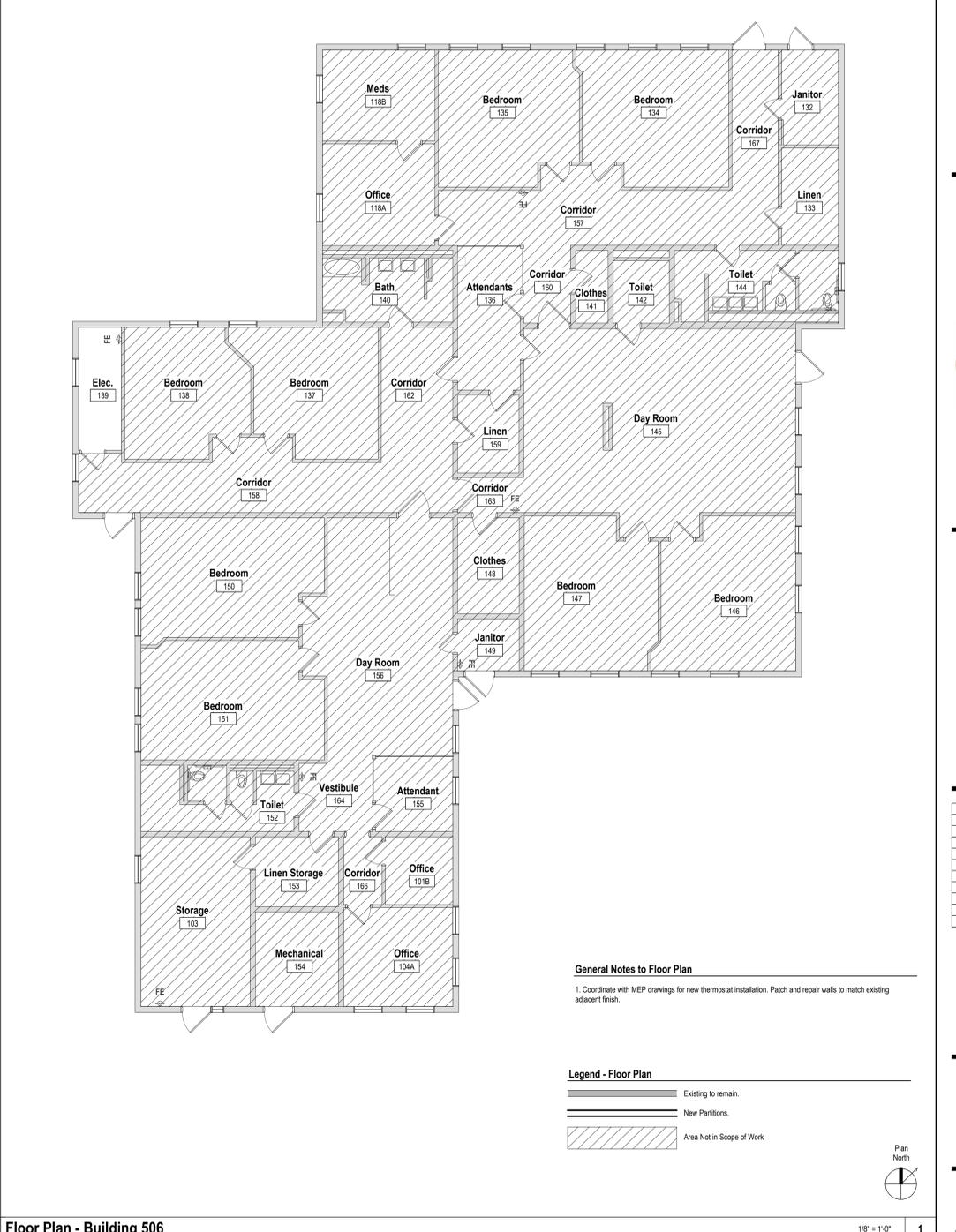
Refer to MEP for additional information.

Keynotes Schedule - Roof Plan

- 1 New Mechanical unit, refer to Mechanical.
- 2 Existing equipment curb. Patch and repair as necessary.

Legend - Roof Plan

- Existing partitions to remain
- New partitions to structure
- Area Not in Scope of Work



General Notes to Floor Plan

1. Coordinate with MEP drawings for new thermostat installation. Patch and repair walls to match existing adjacent finish.

Legend - Floor Plan

- Existing to remain.
- New Partitions.
- Area Not in Scope of Work

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ISSUES

No.	Date	Description
	11/13/2025	Issue for Construction

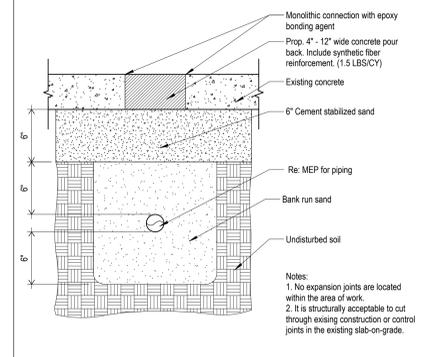
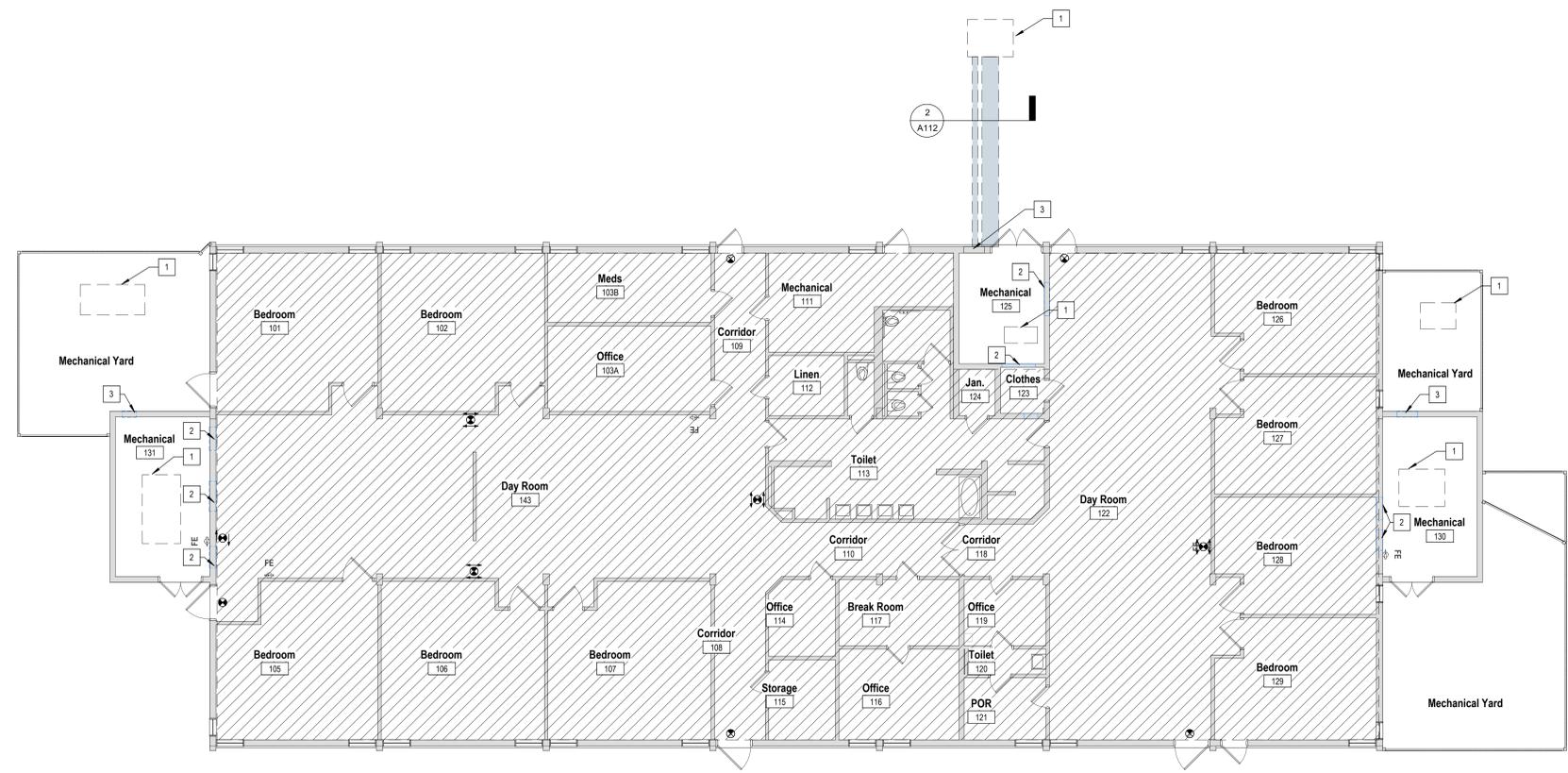
SHEET TITLE
Floor Plan & Roof Plan - Building 506

THRE DESIGN LLC COMMISSION NO: 225-003
 SHEET NUMBER: **A111**

PRINT DATE / TIME: 11/13/2025 11:52:20 AM

C:\ben\amec\Documents\25-107-LFL\State Supported Living Center - HVAC - CENTRAL - amec\DWGS\01

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Concrete Repair Detail 1 1/2" = 1'-0" 2

General Notes to Floor Plan

1. Coordinate with MEP drawings for new thermostat installation. Patch and repair walls to match existing adjacent finish.

Keynotes Schedule - Floor Plan

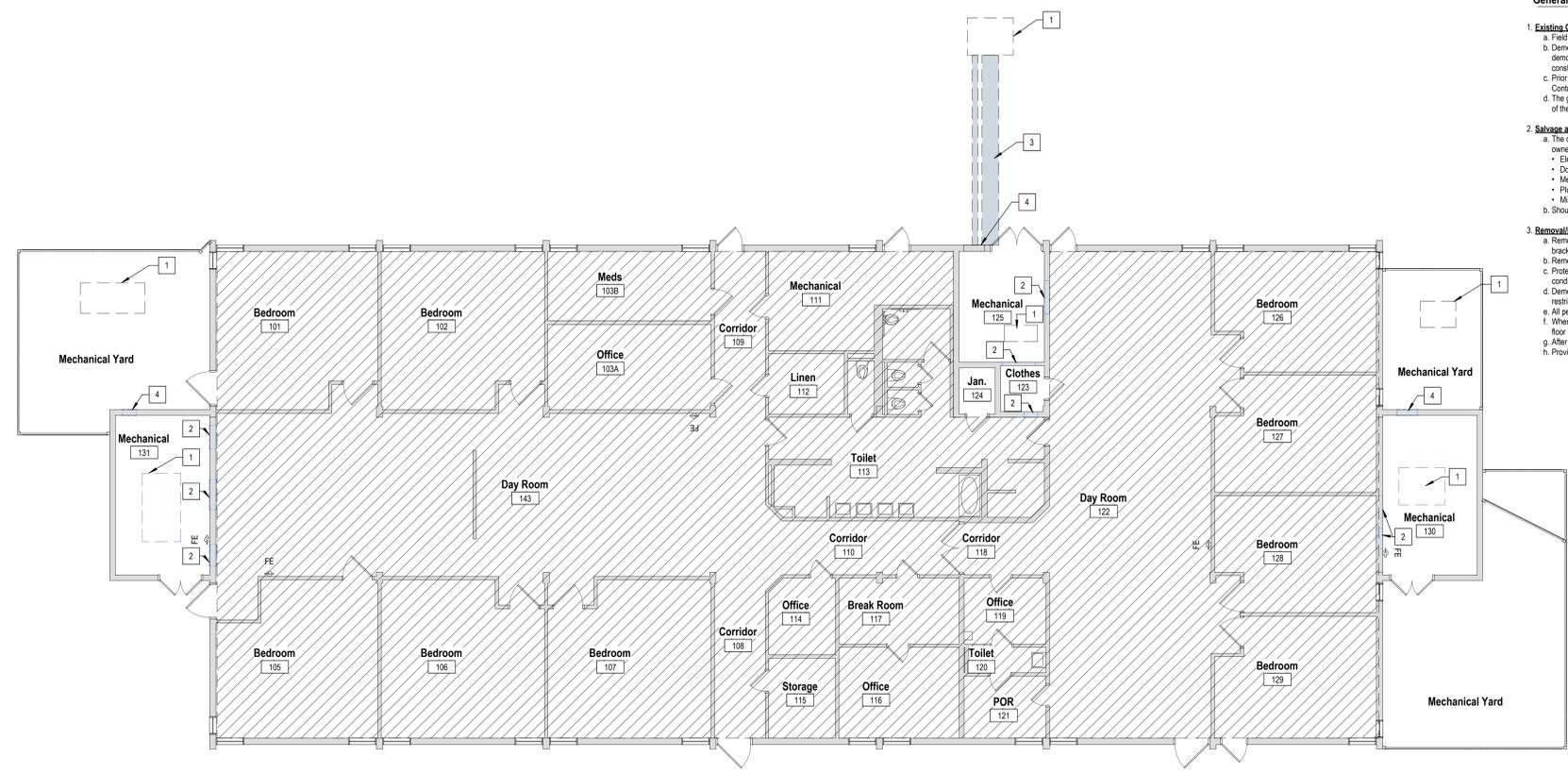
- 1 New Mechanical unit, refer to Mechanical.
- 2 Coordinate new mechanical scope of work with existing wall and ceiling conditions. Repair any damage to match existing conditions, typ.
- 3 New exterior louver. Coordinate size with MEP drawings. Patch and repair exterior veneer to match existing adjacent color and material, typ.

Legend - Floor Plan

- Existing to remain.
- New Partitions.
- Area Not in Scope of Work
- New slab pour back as needed with new vapor barrier. Overlap the existing vapor barrier 12 inches on either side and tape joint prior to pouring new concrete.



Floor Plan - Building 523 1/8" = 1'-0" 3



General Notes to Demolition Plans

- 1 Existing Conditions:**
 - a. Field verify all existing conditions and dimensions.
 - b. Demolition quantities are unclassified except where existing construction is graphically designated or noted to remain. Where partitions, ceiling, floors, etc. are shown as removed, demolition shall be inclusive of MEP services, utilities contained within, unless requirements are noted. See Civil, Structural, Mechanical, Electrical and Plumbing documents. See new construction document tie-ins to existing systems, services and materials to fully determine actual demolition limits.
 - c. Prior to initiating saw-cutting, the General Contractor is responsible for confirming the accuracy of all existing plumbing locations. Should any discrepancies be identified, the General Contractor must promptly inform the Architect.
 - d. The graphical representations of saw-cuts are intended solely for bidding purposes and include dimensions accordingly. Final saw-cut placement must be coordinated with the dimensions of the existing building.
- 2 Salvage and Storage:**
 - a. The owner reserves the right to retain the following salvaged items, if so notified (and if not specifically incorporated or reused in this project) carefully remove, tag, transport, and store in owner designated storage space (on campus or facility) the following items:
 - Electrical Fixtures and Devices
 - Door, Frames, and Hardware
 - Mechanical Grilles/Diffusers
 - Plumbing Fixtures and Trim
 - Millwork and Casework Units
 - b. Should the owner decline to accept and provide storage for any of the above, they shall become property of the general contractor, and must be promptly removed from the site.
- 3 Removal/Protection/Repair:**
 - a. Remove all attachments found on partition faces and ceilings, and turn over to owner. I.E. Surface mounted toilet accessories, soap dispensers, cubicle curtain tracks, TV wall mounting brackets, etc.
 - b. Removal of any antennas or computer and telephone cable and/or system boards must be coordinated and scheduled with the owner.
 - c. Protect by appropriate means all existing construction, finishes, and equipment that is to remain. All damaged items/finishes must be repaired/restored to their original (pre-damaged) condition.
 - d. Demolition requiring air hammers or other loud noise generating equipment must be carefully coordinated and scheduled with the owner. Working hours for such activity will be restricted.
 - e. All penetrations found in existing chases and fire-rated partitions or shafts, not specifically called out, must be patched/fire-safed to meet the required fire assembly rating.
 - f. Where imbedded items or plumbing fixtures, etc. are removed, patch/repair the existing construction to remain to match and to maintain the structural and/or fire protection integrity of the floor and wall.
 - g. After removal of existing construction of finishes, patch or repair the remaining existing substrates as required to receive the scheduled finish.
 - h. Provide temporary partitions as required to contain all construction areas for the duration of the project. Remove all temporary partitions after completion of the project.

Keynotes Schedule - Demolition Floor Plan

- 1 Mechanical unit to be demolished. Refer to Mechanical.
- 2 Coordinate new mechanical scope of work with existing wall and ceiling conditions. Repair any damage to match existing conditions, typ.
- 3 Saw cut concrete as needed for new HVAC unit installation
- 4 Demolish portion of wall for new exterior louver. Coordinate size with MEP drawings. Patch and repair exterior veneer to match existing adjacent color and material, typ.

Legend - Demolition Plans

- Element to be demolished.
- Existing partition to remain.
- Area Not in Scope of Work
- Saw cut as needed



Demolition Floor Plan - Building 523 1/8" = 1'-0" 1



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 713.432.1422 - FAX 713.432.1253
 Texas Reg. No. F-5712
 GFE Project No. 21041



3
 DESIGN
 9301 SOUTHWEST FREEWAY, STE 350
 HOUSTON, TX 77074
 (346) 484-3300
 www.thr3edesign.com

COMMISSION NAME
 Texas Health & Human
 Services Commission New
 HVAC Units at Buildings
 506, 523 and 524. Project
 NO. 25-107-LFL



Lufkin State Supported Living
 Center
 6844 US-60
 Pollok, TX 75969



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ISSUES

No.	Date	Description
1	11/13/2025	Issue for Construction

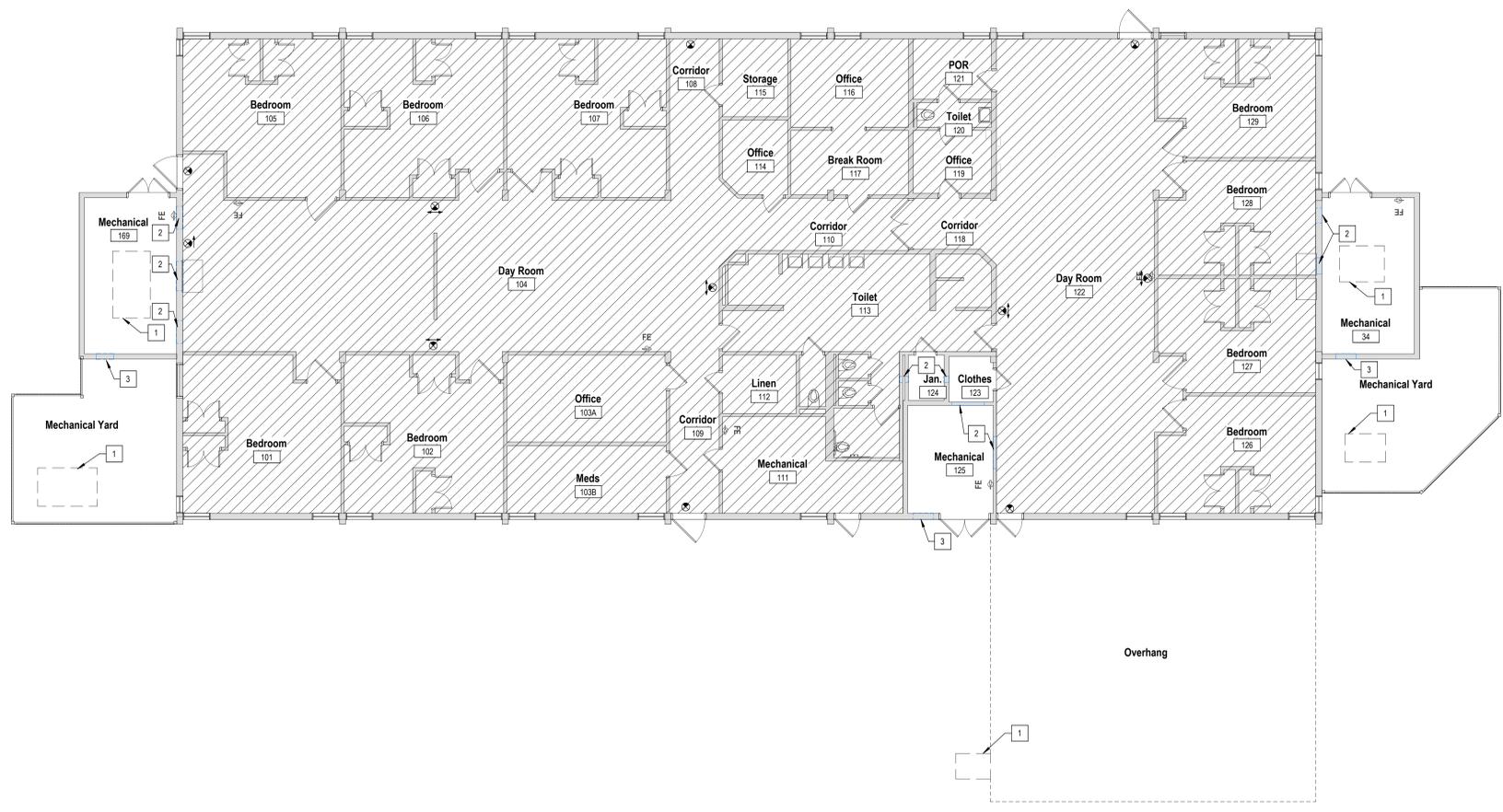
SHEET TITLE
 Demolition Floor Plan &
 Combined Floor and Site
 Plan - Building 523

THRESE DESIGN LLC COMMISSION NO: 225-003
 SHEET NUMBER

A112

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General Notes to Floor Plan
 1. Coordinate with MEP drawings for new thermostat installation. Patch and repair walls to match existing adjacent finish.

Keynotes Schedule - Floor Plan
 1 New Mechanical unit, refer to Mechanical.
 2 Coordinate new mechanical scope of work with existing wall and ceiling conditions. Repair any damage to match existing conditions, typ.
 3 New exterior louver. Coordinate size with MEP drawings. Patch and repair exterior veneer to match existing adjacent color and material, typ.

Legend - Floor Plan
 Existing to remain.
 New Partitions.
 Area Not in Scope of Work
 New slab pour back as needed with new vapor barrier. Overlap the existing vapor barrier 12 inches on either side and tape joint prior to pouring new concrete.

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COMMISSION NAME
Texas Health & Human Services Commission New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL



Lufkin State Supported Living Center
 6844 US-60
 Pollok, TX 75969

REGISTERED ARCHITECT

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Floor Plan - Building 524

1/8" = 1'-0" 3



General Notes to Demolition Plans

- Existing Conditions:**
 - Field verify all existing conditions and dimensions.
 - Demolition quantities are unclassified except where existing construction is graphically designated or noted to remain. Where partitions, ceiling, floors, etc. are shown as removed, demolition shall be inclusive of MEP services/utilities contained within, unless requirements are noted. See Civil, Structural, Mechanical, Electrical and Plumbing documents. See new construction document tie-ins to existing systems, services and materials to fully determine actual demolition limits.
 - Prior to initiating saw-cutting, the General Contractor is responsible for confirming the accuracy of all existing plumbing locations. Should any discrepancies be identified, the General Contractor must promptly inform the Architect.
 - The graphical representations of saw-cuts are intended solely for bidding purposes and include dimensions accordingly. Final saw-cut placement must be coordinated with the dimensions of the existing building.
- Salvage and Storage:**
 - The owner reserves the right to retain the following salvaged items, if so notified (and if not specifically incorporated or reused in this project) carefully remove, tag, transport, and store in owner designated storage space (on campus or facility) the following items:
 - Electrical Fixtures and Devices
 - Door, Frames, and Hardware
 - Mechanical Grilles/Diffusers
 - Plumbing Fixtures and Trim
 - Millwork and Casework Units
 - Should the owner decline to accept and provide storage for any of the above, they shall become property of the general contractor, and must be promptly removed from the site.
- Removal/Protection/Repair:**
 - Remove all attachments found on partition faces and ceilings, and turn over to owner. I.E. Surface mounted toilet accessories, soap dispensers, cubicle curtain tracks, TV wall mounting brackets, etc.
 - Removal of any antennas or computer and telephone cable and/or system boards must be coordinated and scheduled with the owner.
 - Protect by appropriate means all existing construction, finishes, and equipment that is to remain. All damaged items/finishes must be repaired/restored to their original (pre-damaged) condition.
 - Demolition requiring air hammers or other loud noise generating equipment must be carefully coordinated and scheduled with the owner. Working hours for such activity will be restricted.
 - All penetrations found in existing chases and fire-rated partitions or shafts, not specifically called out, must be patched/fire-safed to meet the required fire assembly rating of the floor and wall.
 - Where imbedded items or plumbing fixtures, etc. are removed, patch/repair the existing construction to remain to match and to maintain the structural and/or fire protection integrity of the floor and wall.
 - After removal of existing construction of finishes, patch or repair the remaining existing substrates as required to receive the scheduled finish.
 - Provide temporary partitions as required to contain all construction areas for the duration of the project. Remove all temporary partitions after completion of the project.

Keynotes Schedule - Demolition Floor Plan
 1 Mechanical unit to be demolished. Refer to Mechanical.
 2 Coordinate new mechanical scope of work with existing wall and ceiling conditions. Repair any damage to match existing conditions, typ.
 3 Demolish portion of wall for new exterior louver. Coordinate size with MEP drawings. Patch and repair exterior veneer to match existing adjacent color and material, typ.

Legend - Demolition Plans
 Element to be demolished.
 Existing partition to remain.
 Area Not in Scope of Work
 Saw cut as needed

ISSUES

No.	Date	Description
1	11/13/2025	Issue for Construction

SHEET TITLE
Demolition Floor Plan & Combined Floor and Site Plan - Building 524

THRESE DESIGN LLC COMMISSION NO: 225-003

SHEET NUMBER
A113

Demolition Floor Plan - Building 524

1/8" = 1'-0" 1

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PACKAGED ROOFTOP UNIT SCHEDULE

UNIT TAG	AREA	GENERAL					PRE FILTER		SUPPLY FAN					DX COOLING COIL						GAS FURNACE			UNIT ELECTRICAL			MISCELLANEOUS					
		MANUFACTURER	MODEL	NOMINAL TONS	REFRIGERANT	TYPE	DIRTY FILTER LOSS (IN.WG.)	SUPPLY AIRFLOW (CFM)	OUTSIDE AIRFLOW (CFM)	MOTOR HORSEPOWER	EXTERNAL S.P. (IN.WG.)	FAN TYPE	SENSIBLE LOAD (BTUH)	TOTAL LOAD (BTUH)	TOTAL LOAD (TONS)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	OAT DB (°F)	OAT WB (°F)	NUMBER OF COMPRESSORS	OUTPUT (MBH)	INPUT (MBH)	GAS PRESSURE (IN.WC.)	V/PH/Hz	MCA	MOCF	WEIGHT (LBS.)	REMARKS	EXISTING RTU MAKE AND MODEL NUMBER (SEE NOTE 16)
RTU-506-1	BUILDING 506	TRANE	YHK120	10	R-454B	MERV 8	0.50	4,000	400	3.0	1.0	DIRECT DRIVE PLENUM	94,790	113,210	9.4	77.3	63.9	55.0	54.5	97.5	76.6	2	162.0	200.0	4/13	208/3/60	80	80	1,228	SEE ALL	CARRIER 48TCDD12A
RTU-506-2	BUILDING 506	TRANE	YHK120	10	R-454B	MERV 8	0.50	4,000	400	3.0	1.0	DIRECT DRIVE PLENUM	94,790	113,210	9.4	77.3	63.9	55.0	54.5	97.5	76.6	2	162.0	200.0	4/13	208/3/60	80	80	1,228	SEE ALL	CARRIER 48TCDD12A
RTU-506-3	BUILDING 506	TRANE	YHK120	10	R-454B	MERV 8	0.50	4,000	400	3.0	1.0	DIRECT DRIVE PLENUM	94,790	113,210	9.4	77.3	63.9	55.0	54.5	97.5	76.6	2	162.0	200.0	4/13	208/3/60	80	80	1,228	SEE ALL	CARRIER 48TCDD12A

NOTES:
 1. PROVIDE TRANSITION CURB TO CONNECT TO EXISTING UNIT CURB.
 2. PROVIDE CONTROL VOLTAGE TRANSFORMER.
 3. PROVIDE MOTORIZED DAMPER AT OUTSIDE AIR OPENING.
 4. PROVIDE INTEGRAL 120V CONVENIENCE OUTLET.
 5. UNIT WEIGHT DOES NOT INCLUDE ROOF CURB.
 6. PROVIDE SINGLE POINT POWER CONNECTION.
 7. CONDENSER SHALL BE RATED AT 105 DEG F AMBIENT.
 8. PROVIDE WITH STAINLESS STEEL GAS HEAT EXCHANGER.
 9. PROVIDE STANDARD COIL WITH HAIL GUARD.
 10. INTEGRATE INTO EXISTING CAMPUS BAS.
 11. PROVIDE WITH SUPPLY AND RETURN AIR SMOKE DETECTORS. SMOKE DETECTORS SHALL BE PROVIDED BY FIRE ALARM CONTRACTOR TO MATCH OTHER DETECTORS ON CAMPUS.
 12. PROVIDE WITH UNIT MOUNTED NON-FUSED DISCONNECT.
 13. PROVIDE WITH LOW LEAKAGE AIR-SIDE ECONOMIZER.
 14. PROVIDE VARIABLE SPEED DIRECT DRIVE PLENUM FANS.
 15. CONTRACTOR SHALL FIELD VERIFY EXISTING ROOFTOP UNIT MAKE AND MODEL NUMBER. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
 16. PROVIDE UV LIGHTS DOWNSTREAM OF THE COOLING COIL WITH DOOR SWITCH TO DE-ENERGIZE LIGHTS WHEN OPENED.

AIR HANDLING UNIT SCHEDULE

UNIT TAG	MANUFACTURER	MODEL	UNIT CONFIGURATION	PRE FILTER BANK		SUPPLY FAN					DX COOLING COIL						UNIT ELECTRICAL			MISCELLANEOUS								
				TYPE	DIRTY FILTER LOSS (IN.WG.)	TOTAL AIRFLOW (CFM)	OA AIRFLOW (CFM)	QUANTITY	EXTERNAL STATIC (IN.WG.)	FAN MOTOR HP	TYPE	SENSIBLE (BTUH)	TOTAL (BTUH)	TOTAL (TONS)	OAT DB (°F)	OAT WB (°F)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	MAX APD (IN.WG.)	MAX ROWS	MAX FPI	V/PH/Hz	MCA	MOCF	WEIGHT (LBS)	REMARKS
AHU-523-1	TRANE	UCCA	DRAW-THRU	MERV 11	1.0	6,000	600	1	1.5	7.5	CENTRIFUGAL BELT DRIVE W/ VFD	163,230	216,650	18.1	97.5	76.6	77.3	63.9	52	51.5	0.5	6	12	208/3/60	35.5	60	1,014	SEE ALL
AHU-523-2	TRANE	UCCA	DRAW-THRU	MERV 11	1.0	1,300	200	1	1.5	1.5	CENTRIFUGAL BELT DRIVE W/ VFD	36,790	50,420	4.2	97.5	76.6	78.5	64.7	52	51.5	0.5	6	12	208/3/60	9	15	392	SEE ALL
AHU-523-3	TRANE	UCCA	DRAW-THRU	MERV 11	1.0	3,500	500	1	1.5	5	CENTRIFUGAL BELT DRIVE W/ VFD	102,460	147,410	12.3	97.5	76.6	78.2	64.5	52	61.5	0.5	6	9	208/3/60	28	50	833	SEE ALL
AHU-524-1	TRANE	UCCA	DRAW-THRU	MERV 11	1.0	6,000	600	1	1.5	7.5	CENTRIFUGAL BELT DRIVE W/ VFD	163,160	216,490	18.0	97.5	76.6	77.3	63.9	52	51.5	0.5	6	12	208/3/60	35.5	60	1,014	SEE ALL
AHU-524-2	TRANE	UCCA	DRAW-THRU	MERV 11	1.0	2,800	400	1	1.5	3	CENTRIFUGAL BELT DRIVE W/ VFD	74,620	96,750	8.1	97.5	76.6	78.2	64.5	52	51.5	0.5	6	12	208/3/60	19.5	30	642	SEE ALL
AHU-524-3	TRANE	UCCA	DRAW-THRU	MERV 11	1.0	2,000	300	1	1.5	3	CENTRIFUGAL BELT DRIVE W/ VFD	58,480	80,170	6.7	97.5	76.6	78.4	64.6	52	51.5	0.5	6	12	208/3/60	19.5	30	616	SEE ALL

NOTES:
 1. UNIT SHALL BE MOUNTED ON A 6" BASE RAIL SUCH THAT THERE IS ADEQUATE HEIGHT FOR PROPER P-TRAP INSTALLATION.
 2. PROVIDE TERMINAL BLOCK AND FOR CONTROLS CONTRACTOR TO INTEGRATE ALL NEW CONTROL POINTS INTO BUILDING AUTOMATION SYSTEM.
 3. PROVIDE DOUBLE WALL ACCESS DOORS OF SAME CONSTRUCTION AS CASING PANELS. ACCESS DOORS SHALL OPEN AGAINST PRESSURE. PROVIDE SAFETY CATCH ON DOORS IN POSITIVE PRESSURE SECTIONS.
 4. TOTAL STATIC PRESSURE OF UNIT SHALL INCLUDE FILTER LOSSES AS SCHEDULED.
 5. PROVIDE SEPARATE ELECTRICAL CONNECTION FOR FAN MOTORS AND CONTROLS. PROVIDE LOW VOLTAGE TRANSFORMER.
 6. PROVIDE VFD FOR SUPPLY FAN. VFD SHALL BE CONTROLLED BY SYSTEM PRESSURE SENSOR MOUNTED 2/3 DOWN MAIN DUCT.
 7. SEE UNIT COMPONENT DETAIL FOR ARRANGEMENT OF SECTIONS.

AIR COOLED CONDENSING UNIT SCHEDULE

UNIT TAG	ASSOCIATED AHU	MANUFACTURER	MODEL	EER	ACTUAL TONS	NOMINAL TONS	REFRIGERANT TYPE/NUMBER OF CIRCUITS	COMPRESSOR QTY/TYP/STAGE	FANS QUANTITY	V/PH/Hz	MCA	MOCF	WEIGHT (LBS.)	REMARKS
ACCU-523-1	AHU-523-1	TRANE	TTA	10.1	18.1	20	R454B 1 2	SCROLL STAGED	2	208/3/60	112	150	802	SEE ALL
ACCU-523-2	AHU-523-2	TRANE	STTA	14	4.2	5	R454B 1 1	SCROLL STAGED	1	208/3/60	21	35	252	SEE ALL
ACCU-523-3	AHU-523-3	TRANE	TTA	11.2	12.3	15	R454B 1 2	SCROLL STAGED	2	208/3/60	73	100	707	SEE ALL
ACCU-524-1	AHU-524-1	TRANE	TTA	10.1	18.0	20	R454B 1 2	SCROLL STAGED	2	208/3/60	112	150	802	SEE ALL
ACCU-524-2	AHU-524-2	TRANE	TTA	11.5	8.2	10	R454B 1 2	SCROLL STAGED	1	208/3/60	43	50	433	SEE ALL
ACCU-524-3	AHU-524-3	TRANE	TTA	11.5	6.7	7.5	R454B 1 1	SCROLL STAGED	1	208/3/60	17	25	309	SEE ALL

NOTES:
 1. PROVIDE LOW AMBIENT KIT TO 0°F.
 2. PROVIDE WITH HAIL GUARDS.
 3. CAPACITY RATED AT 105°F AMBIENT.
 4. PROVIDE 5-YEAR PARTS WARRANTY.

HOT WATER HEATING COIL SCHEDULE

ID	SERVICE	COIL SIZE		AIRFLOW (CFM)	SENSIBLE CAPACITY (BTUH)	AIR SIDE		WATER SIDE				ROWS	MAX FINS INCH	NOTES			
		WIDTH (IN)	HEIGHT (IN)			EAT DB (DEG-F)	LAT DB (DEG-F)	VELOCITY (FPM)	MAX PD (IN. WG.)	EWT (DEG-F)	LWT (DEG-F)				FLOW (GPM)	MAX PD (FT)	PIPE SIZE (IN)
HWC-1	AHU-523-1	34	16	3,000	132,900	55	95	770	0.50	140	120	13.5	10	1-1/4	3	10	SEE ALL
HWC-2	AHU-523-1	34	16	3,000	132,900	55	95	770	0.50	140	120	13.5	10	1-1/4	3	10	SEE ALL
HWC-3	AHU-523-2	20	12	1,300	56,400	55	95	780	0.50	140	120	5.7	10	1	3	10	SEE ALL
HWC-4	AHU-523-3	28	24	3,500	153,100	55	95	750	0.50	140	120	15.5	10	1-1/2	3	10	SEE ALL
HWC-5	AHU-524-1	34	16	3,000	132,900	55	95	770	0.50	140	120	13.5	10	1-1/4	3	10	SEE ALL
HWC-6	AHU-524-1	34	16	3,000	132,900	55	95	770	0.50	140	120	13.5	10	1-1/4	3	10	SEE ALL
HWC-7	AHU-524-2	20	16	1,300	56,700	55	95	567	0.50	140	120	5.7	10	1	3	10	SEE ALL
HWC-8	AHU-524-2	20	16	1,500	66,700	55	95	655	0.50	140	120	6.8	10	1	3	10	SEE ALL
HWC-9	AHU-524-3	22	20	2,000	87,400	55	95	671	0.50	140	120	8.9	10	1-1/4	4	10	SEE ALL

NOTES:
 1. PROVIDE COIL TAG INDICATING MAXIMUM PRESSURE AND TEMPERATURE.
 2. PROVIDE TRANSITION FROM DUCT SIZE TO COIL AND FROM COIL TO DUCT SIZE INDICATED ON PLANS.
 3. COIL L/R CONNECTION SHALL BE FIELD COORDINATED TO PROVIDE ACCESS TO ISOLATION VALVES, CONTROL VALVE AND OTHER COMPONENTS.
 4. HOT WATER COIL EXTERIOR SHALL BE INSULATED WITH VAPOR BARRIER INCLUDING HWS/R CONNECTIONS FROM HOT WATER PIPING ISOLATION VALVES TO THE COIL CONNECTION.

MEP



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 FIRM NO.: F-3323

COMMISSION NAME

Texas Health & Human Services Commission
 New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL



TEXAS
 Health and Human Services

Lufkin State Supported Living Center
 6844 US-60
 Pollok, TX 75969

REVIEW STAMP



11/13/2025

ISSUES

No.	Date	Description
	11/13/2025	ISSUE FOR CONSTRUCTION

SCHEDULES - MECHANICAL

THR3E DESIGN LLC COMMISSION NO. 225-003

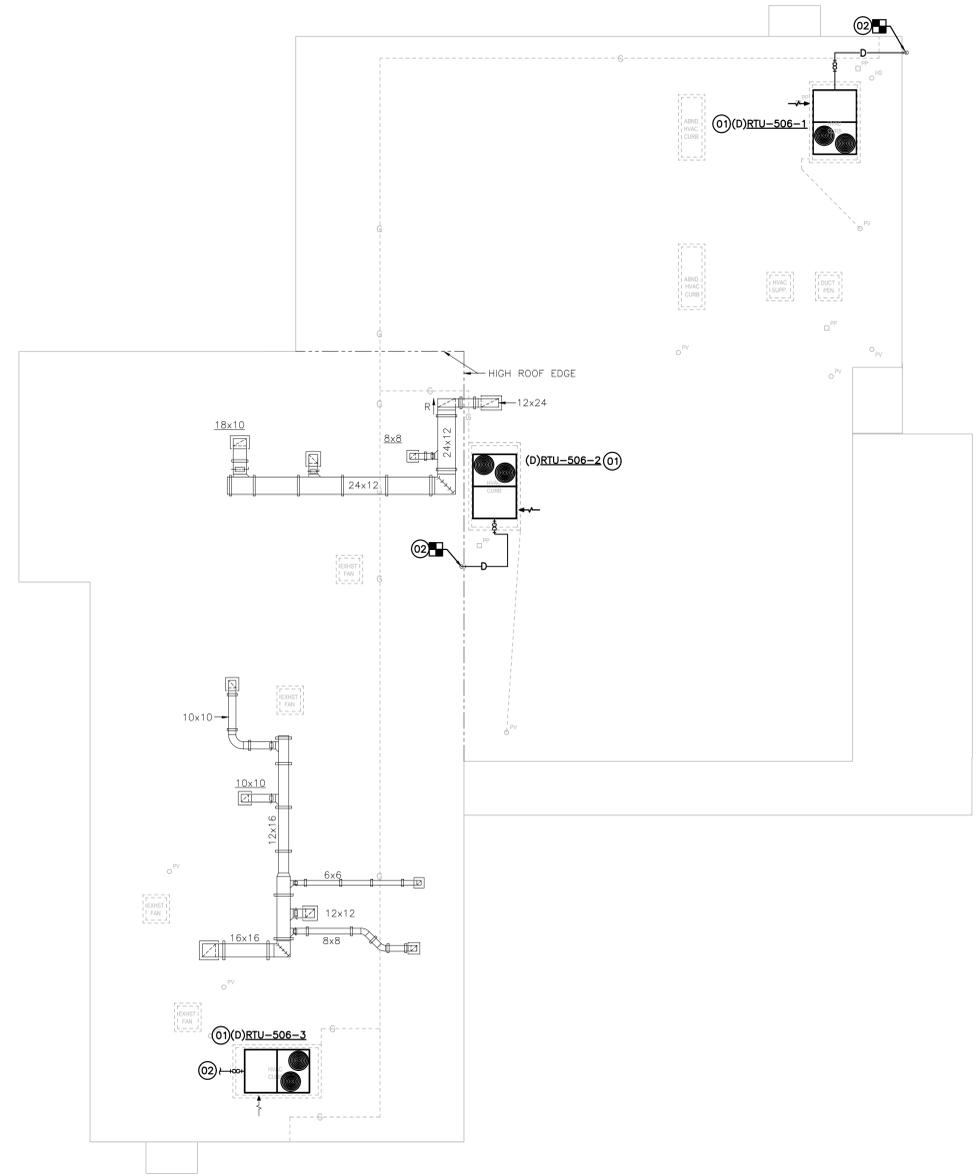
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PRINT DATE / TIME:

C:\external\Documents\225-100\Perms\SD\CBDC_CENTRAL_mech\UTMVE_bkup\2025-003 Lufkin State Supported Living Center_CENTRAL_mech\UTMVE-04

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DEMOLITION LEGEND	
SYMBOL	DESCRIPTION
—	EXISTING TO REMAIN
- - -	EXISTING TO BE REMOVED
■	DEMO TO THIS POINT

KEYED NOTES	
01	REMOVE EXISTING ROOFTOP UNIT AND ALL ASSOCIATED COMPONENTS.
02	REMOVE CONDENSATE DRAIN PIPING AND ASSOCIATED SUPPORTS. REFER TO FLOOR PLAN FOR NEW CONNECTION POINT.

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 GFE Project No. 25026

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COMMISSION NAME
Texas Health & Human Services Commission New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL



Lufkin State Supported Living Center
 6844 US-60
 Pollok, TX 75969

REVIEW STAMP/SEALED



11/13/2025

ISSUES

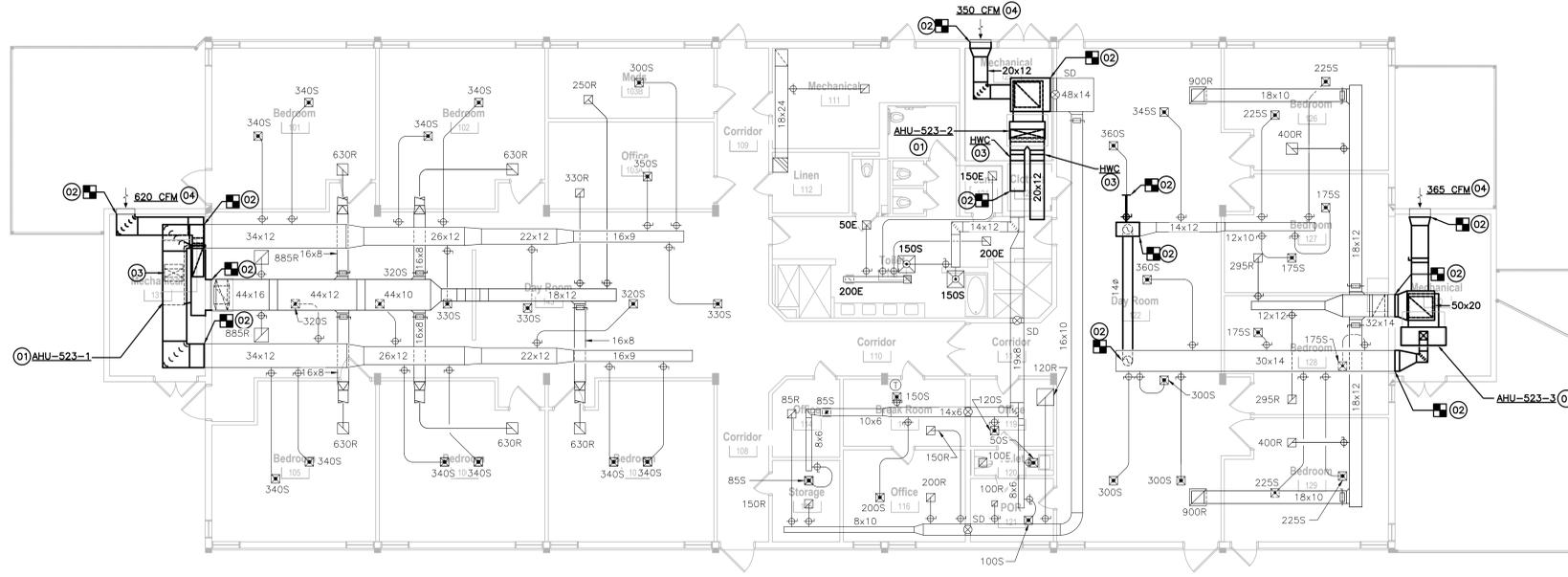
No.	Date	Description
	11/13/2025	ISSUE FOR CONSTRUCTION

PROJECT TITLE
DEMOLITION ROOF PLAN - BUILDING 506 - MECHANICAL

PROJECT NUMBER
M.101

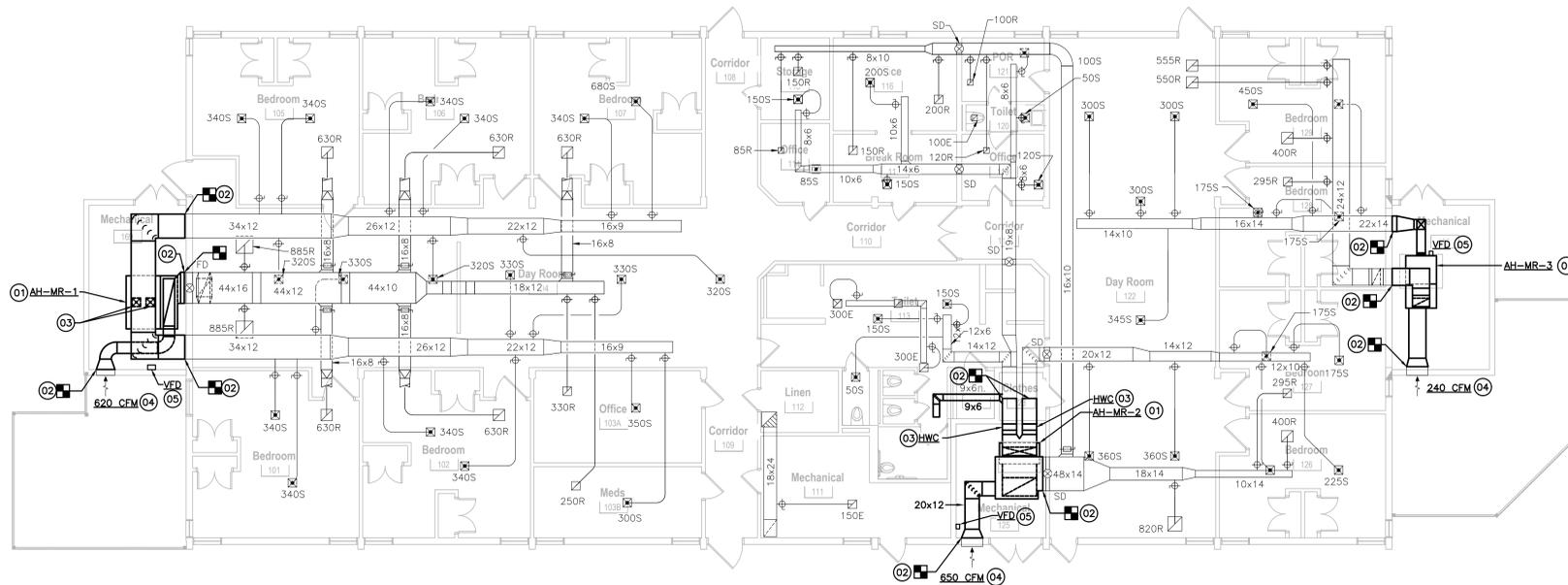
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02 - DEMOLITION PLAN - BUILDING 523 - MECHANICAL

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



01 - DEMOLITION PLAN - BUILDING 524 - MECHANICAL

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

DEMOLITION LEGEND	
SYMBOL	DESCRIPTION
—	EXISTING TO REMAIN (E)
---	EXISTING TO BE REMOVED (D)
■	DEMO TO THIS POINT (D)

KEYED NOTES	
01	REMOVE EXISTING AIR HANDLING UNIT AND ALL ASSOCIATED COMPONENTS.
02	REMOVE DUCTWORK BACK TO LOCATION SHOWN. REFER TO RENOVATION PLAN FOR NEW DUCTWORK CONNECTION.
03	REMOVE EXISTING HOT WATER COIL AND ALL ASSOCIATED COMPONENTS.
04	EXISTING OUTSIDE AIR LOUVER TO REMAIN.
05	EXISTING VFD TO BE REMOVED.

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COMMISSION NAME
Texas Health & Human Services Commission New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL

TEXAS
 Health and Human Services

Lufkin State Supported Living Center
 6844 US-60
 Pollok, TX 75969

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ISSUES

No.	Date	Description
	11/13/2025	ISSUE FOR CONSTRUCTION

DEMOLITION PLANS - BUILDINGS 523 AND 524 - MECHANICAL

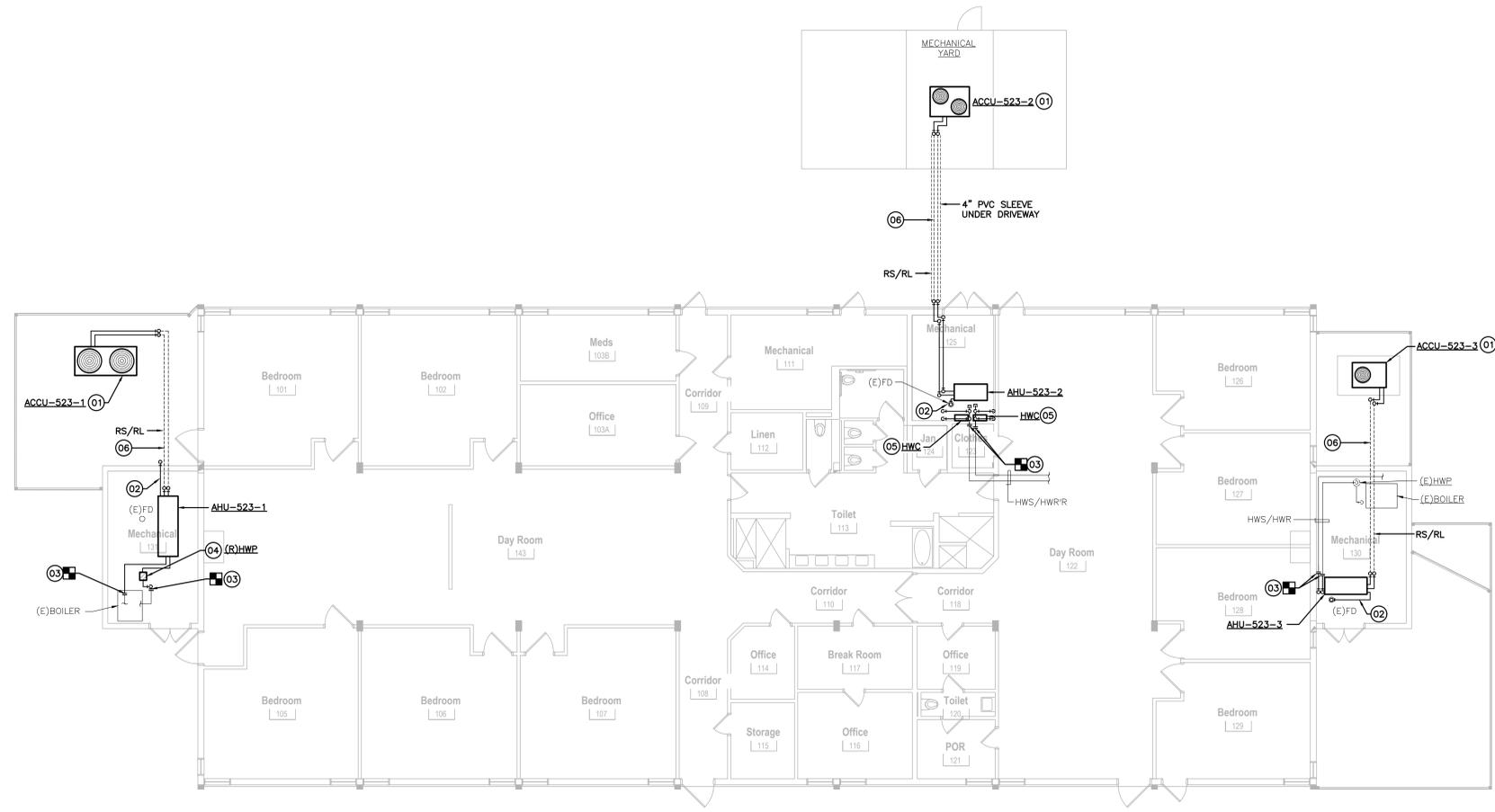
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M.102

PRINT DATE / TIME:

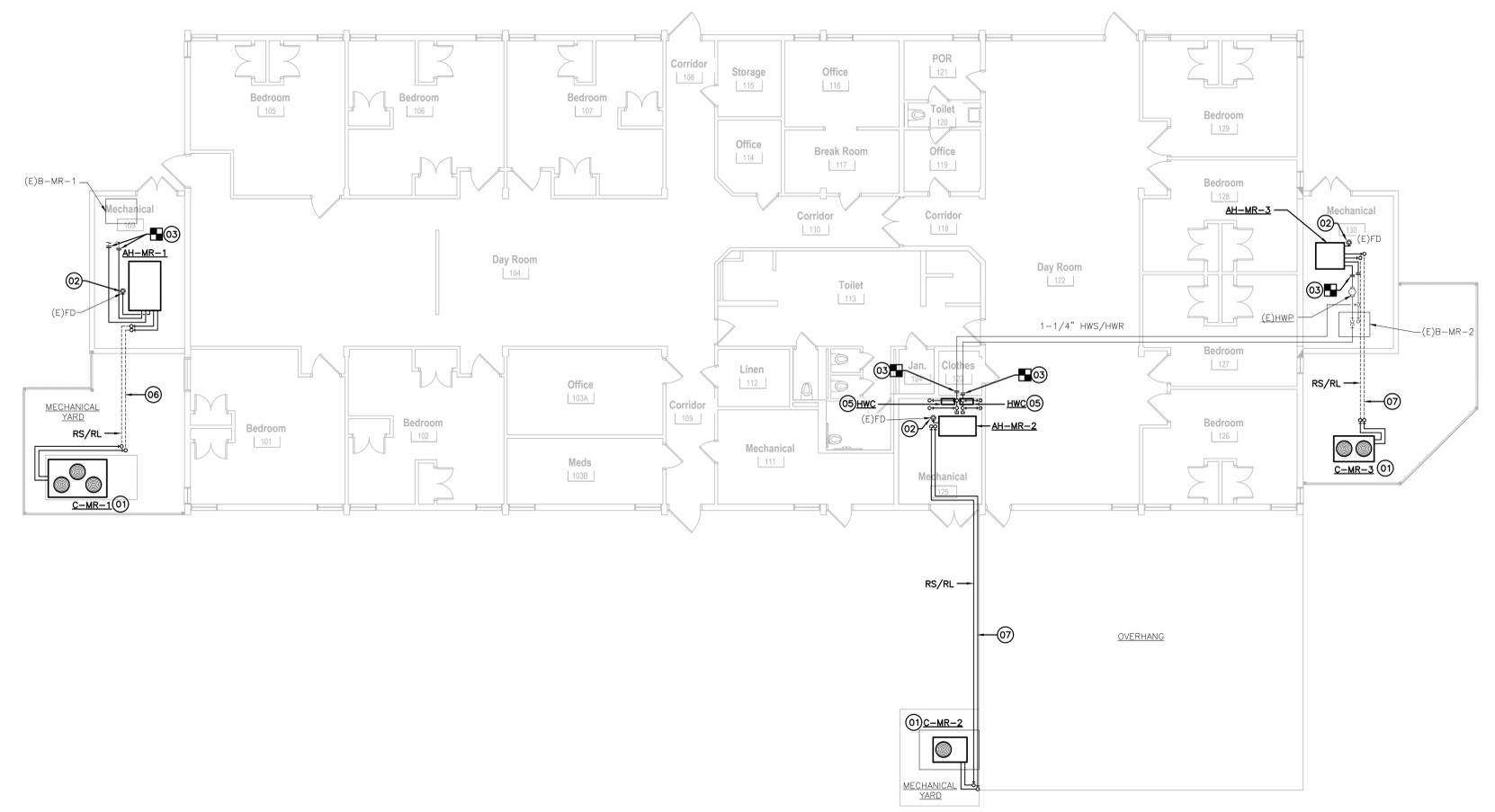
C:\Users\jacob\Documents\225-101\Drawings\02-DEMOLITION\02-DEMOLITION-01.dwg (11/13/2025 10:00:00 AM) User: jacob

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02 - DEMOLITION PLAN - BUILDING 523 - PIPING

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



01 - DEMOLITION PLAN - BUILDING 524 - PIPING

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

DEMOLITION LEGEND	
SYMBOL	DESCRIPTION
—	EXISTING TO REMAIN (E)
—	EXISTING TO BE REMOVED (D)
■	DEMO TO THIS POINT (D)

- KEYED NOTES**
- 01 REMOVE EXISTING CONDENSING UNIT AND ALL ASSOCIATED REFRIGERANT PIPING.
 - 02 REMOVE EXISTING CONDENSATE DRAIN PIPING.
 - 03 REMOVE EXISTING HEATING HOT WATER PIPING AS REQUIRED TO ACCOMMODATE NEW UNIT CONNECTIONS.
 - 04 EXISTING HOT WATER SUPPLY PUMP TO BE RELOCATED. REFER TO NEW PIPING PLAN FOR LOCATION.
 - 05 REMOVE EXISTING HEATING HOT WATER COIL. REMOVE ALL ASSOCIATED PIPING TO WALL. REFER TO NEW PIPING PLAN FOR NEW PIPING CONNECTION.
 - 06 REMOVE REFRIGERANT PIPING ROUTED UNDERGROUND.
 - 07 REMOVE REFRIGERANT PIPING ROUTED UP HIGH ALONG EXTERIOR CANOPY.

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COMMISSION NAME
Texas Health & Human Services Commission New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL



TEXAS
 Health and Human Services

Lufkin State Supported Living Center
 6844 US-60
 Pollok, TX 75969

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ISSUES

No.	Date	Description
	11/13/2025	ISSUE FOR CONSTRUCTION

ISSUE TITLE
DEMOLITION PLANS - BUILDINGS 523 AND 524 - PIPING

THREE DESIGN LLC COMMISSION NO. 225-003

ISSUE NUMBER
M.103

PRINT DATE / TIME:

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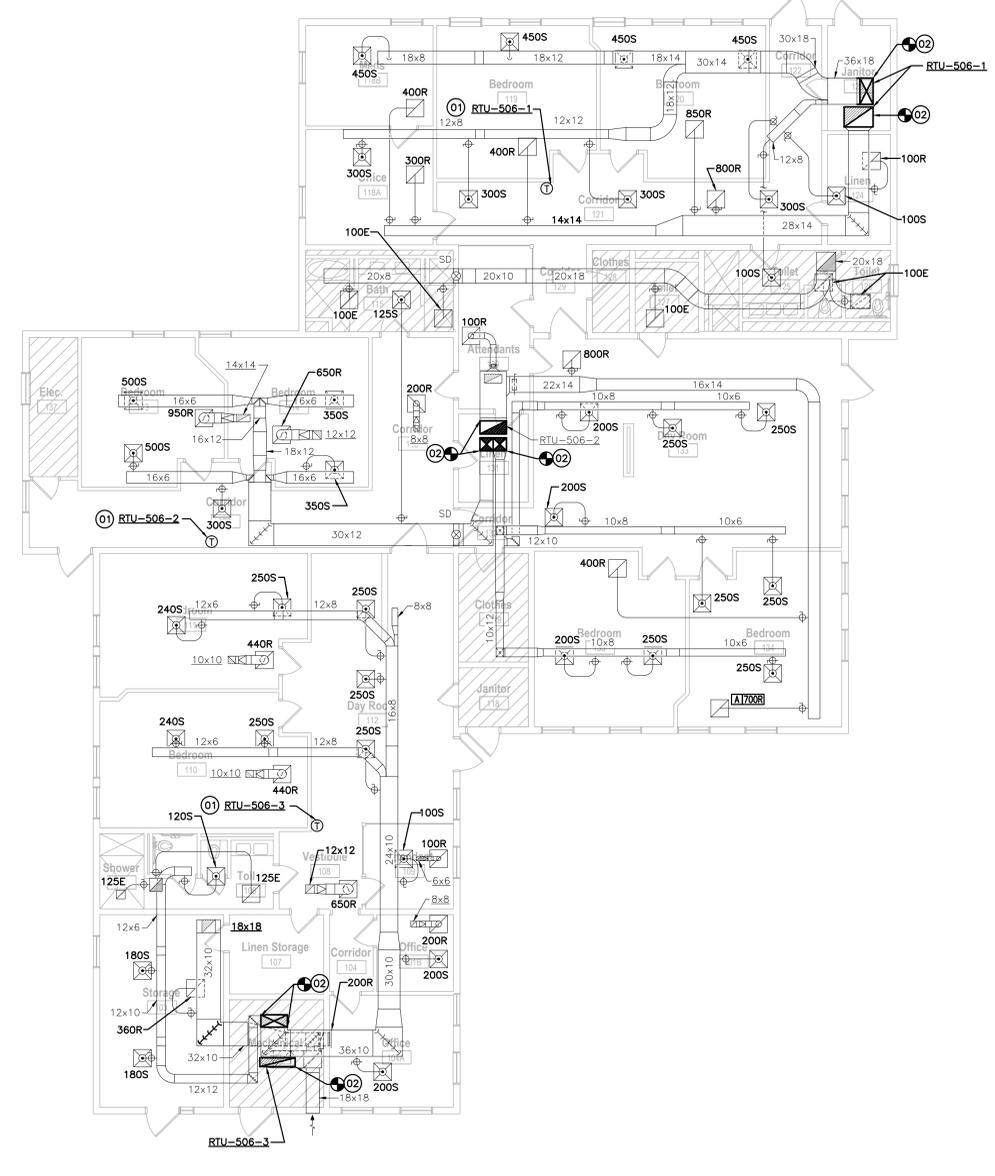
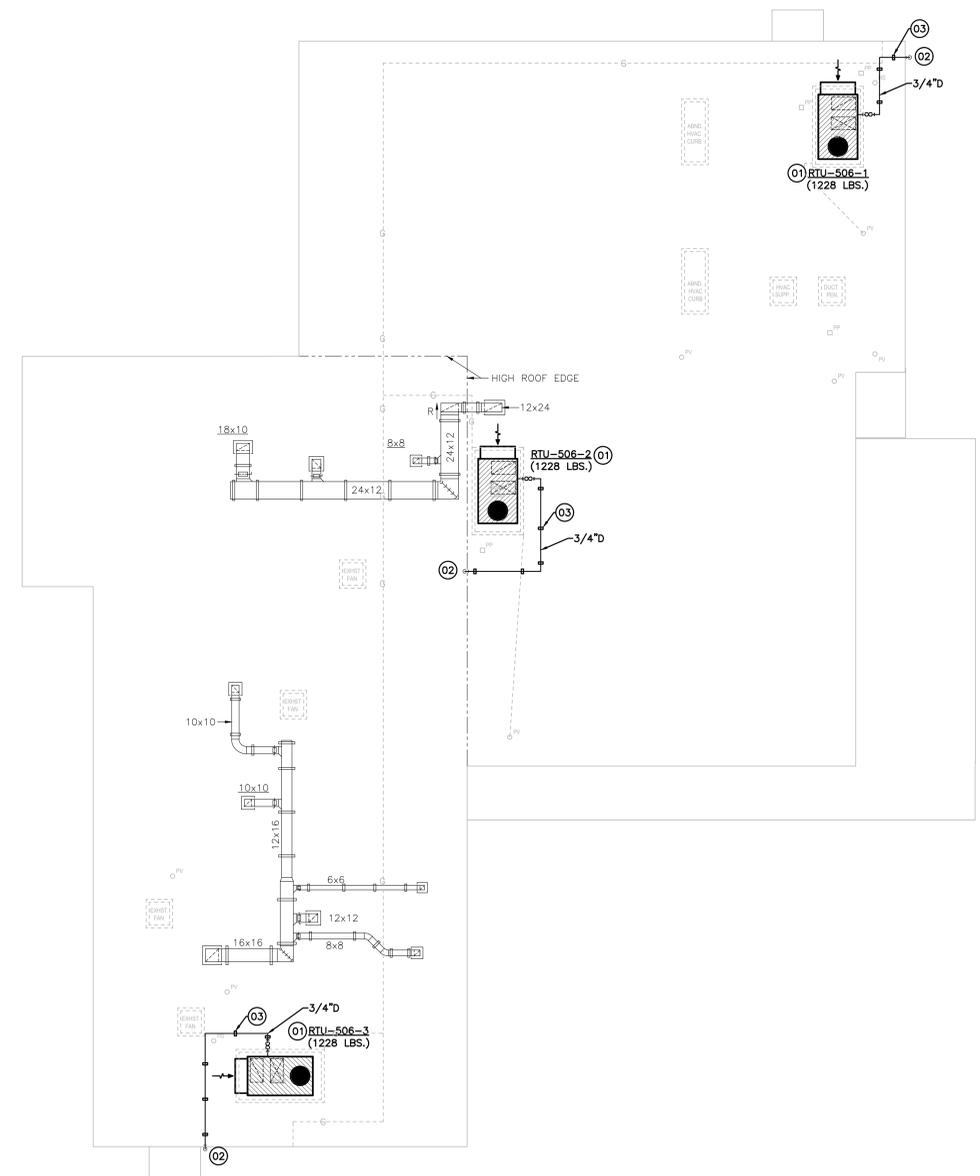
RENOVATION LEGEND	
SYMBOL	DESCRIPTION
—	EXISTING TO REMAIN
—	NEW CONSTRUCTION
⊕	CONNECT AT THIS POINT

KEYED NOTES	
01	PROVIDE NEW ROOFTOP UNIT. PROVIDE CURB ADAPTER TO TRANSITION TO AND REUSE EXISTING ROOF CURB.
02	ROUTE NEW CONDENSATE DRAIN PIPING, TURN DOWN AND TERMINATE ABOVE EXISTING GUTTER.
03	PIPE SUPPORT (TYP.).

RENOVATION LEGEND	
SYMBOL	DESCRIPTION
—	EXISTING TO REMAIN
—	NEW CONSTRUCTION
⊕	CONNECT AT THIS POINT

GENERAL NOTES	
1.	REBALANCE EXISTING SUPPLY, RETURN AND EXHAUST AIR DEVICES TO AIRFLOW SHOWN.

KEYED NOTES	
01	PROVIDE NEW THERMOSTAT WITH CLEAR LOCKABLE COVER FOR ROOFTOP UNIT. CONTRACTOR TO FIELD VERIFY EXISTING THERMOSTAT LOCATION AND REPLACE IN SAME LOCATION.
02	MODIFY AND TRANSITION SUPPLY AND RETURN AIR DUCTWORK AS REQUIRED TO CONNECT TO NEW ROOFTOP UNIT.



01 - RENOVATION ROOF PLAN - BUILDING 506 - MECHANICAL

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

02 - RENOVATION PLAN - BUILDING 506 - MECHANICAL

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



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COMMISSION NAME
Texas Health & Human Services Commission New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL



Lufkin State Supported Living Center
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ISSUES		
No.	Date	Description
1	11/13/2025	ISSUE FOR CONSTRUCTION

PROJECT TITLE
RENOVATION PLANS - BUILDING 506 - MECHANICAL

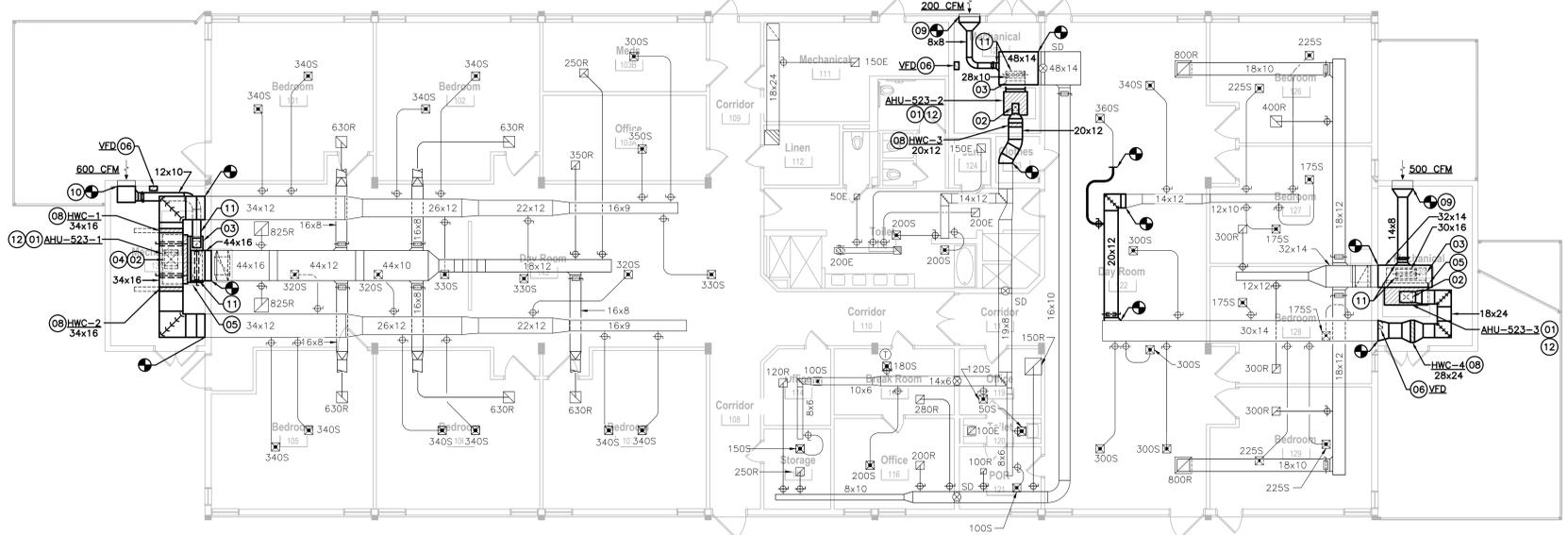
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PRINT NUMBER
M.201

PRINT DATE / TIME

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02 - RENOVATION PLAN - BUILDING 523 - MECHANICAL

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

RENOVATION LEGEND	
SYMBOL	DESCRIPTION
—	EXISTING TO REMAIN
—	NEW CONSTRUCTION
⊙	CONNECT AT THIS POINT

GENERAL NOTES

- REBALANCE ALL EXISTING SUPPLY, RETURN AND EXHAUST AIR DEVICES TO AIRFLOW SHOWN.

- KEYED NOTES**
- PROVIDE NEW AIR HANDLING UNIT ON EXISTING HOUSEKEEPING PAD. ROUTE SUPPLY AND RETURN DUCTWORK TO UNIT AND TRANSITION AS REQUIRED.
 - CONNECT NEW DUCTWORK AS REQUIRED FULL SIZE OF SUPPLY AIR OPENING. TRANSITION IN VERTICAL AS REQUIRED.
 - CONNECT NEW DUCTWORK AS REQUIRED FULL SIZE OF RETURN AIR OPENING.
 - PROVIDE 45° EXPANDED ENTRY TAP.
 - MODIFY EXISTING HOUSEKEEPING PAD AS REQUIRED TO ACCOMMODATE NEW AHU DIMENSIONS. MATCH EXISTING PAD HEIGHT.
 - WALL MOUNTED VARIABLE FREQUENCY DRIVE. MAINTAIN MANUFACTURERS REQUIRED CLEARANCES. COORDINATE WITH OTHER EQUIPMENT IN THE ROOM. VFD MANUFACTURER SHALL BE ABB TO MATCH OTHER VFD'S INSTALLED AT THE CAMPUS.
 - OFFSET RETURN AIR DUCT IN VERTICAL TO CONNECT TO MIXED AIR PLENUM.
 - PROVIDE NEW HOT WATER DUCT MOUNTED HEATING COIL AT LOCATION INDICATED. TRANSITION DUCTWORK AS REQUIRED TO CONNECT TO COIL. REFER TO SCHEDULES FOR PERFORMANCE.
 - TRANSITION AS REQUIRED TO CONNECT TO EXISTING OUTSIDE AIR LOUVER.
 - PROVIDE PLENUM FULL SIZE OF OUTSIDE AIR LOUVER.
 - ROUTE RETURN AIR AND OUTSIDE AIR DUCTWORK TO MIXED AIR PLENUM AND CONNECT AS REQUIRED.
 - CONTROL SHALL PROVIDE AND INSTALL UV LIGHTS DOWNSTREAM OF THE COOLING COIL.

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COMMISSION NAME
Texas Health & Human Services Commission New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL



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 Pollok, TX 75969



ISSUES

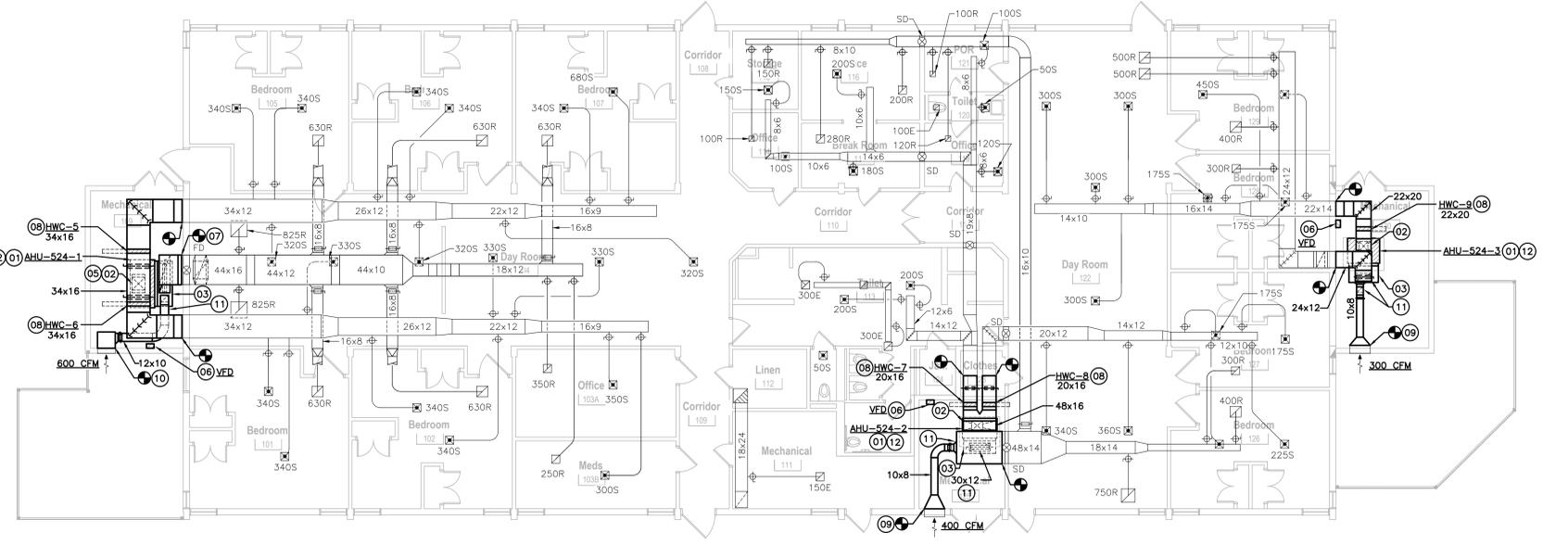
No.	Date	Description
1	11/13/2025	ISSUE FOR CONSTRUCTION

PROJECT TITLE
RENOVATION PLAN - BUILDINGS 523 AND 524 - MECHANICAL

THREE DESIGN LLC COMMISSION NO. 225-003

SHEET NUMBER
M.202

PRINT DATE / TIME

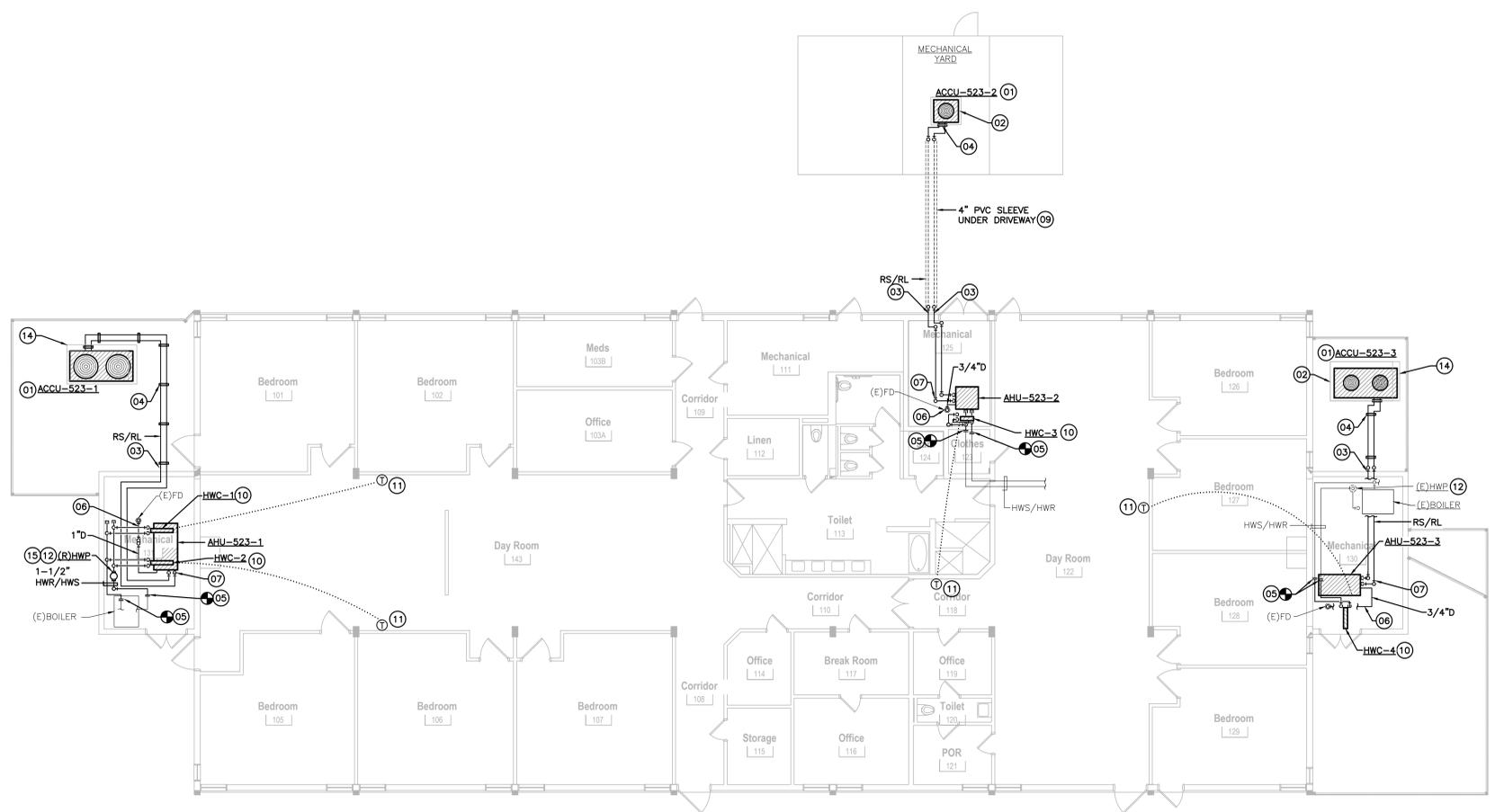


01 - RENOVATION PLAN - BUILDING 524 - MECHANICAL

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

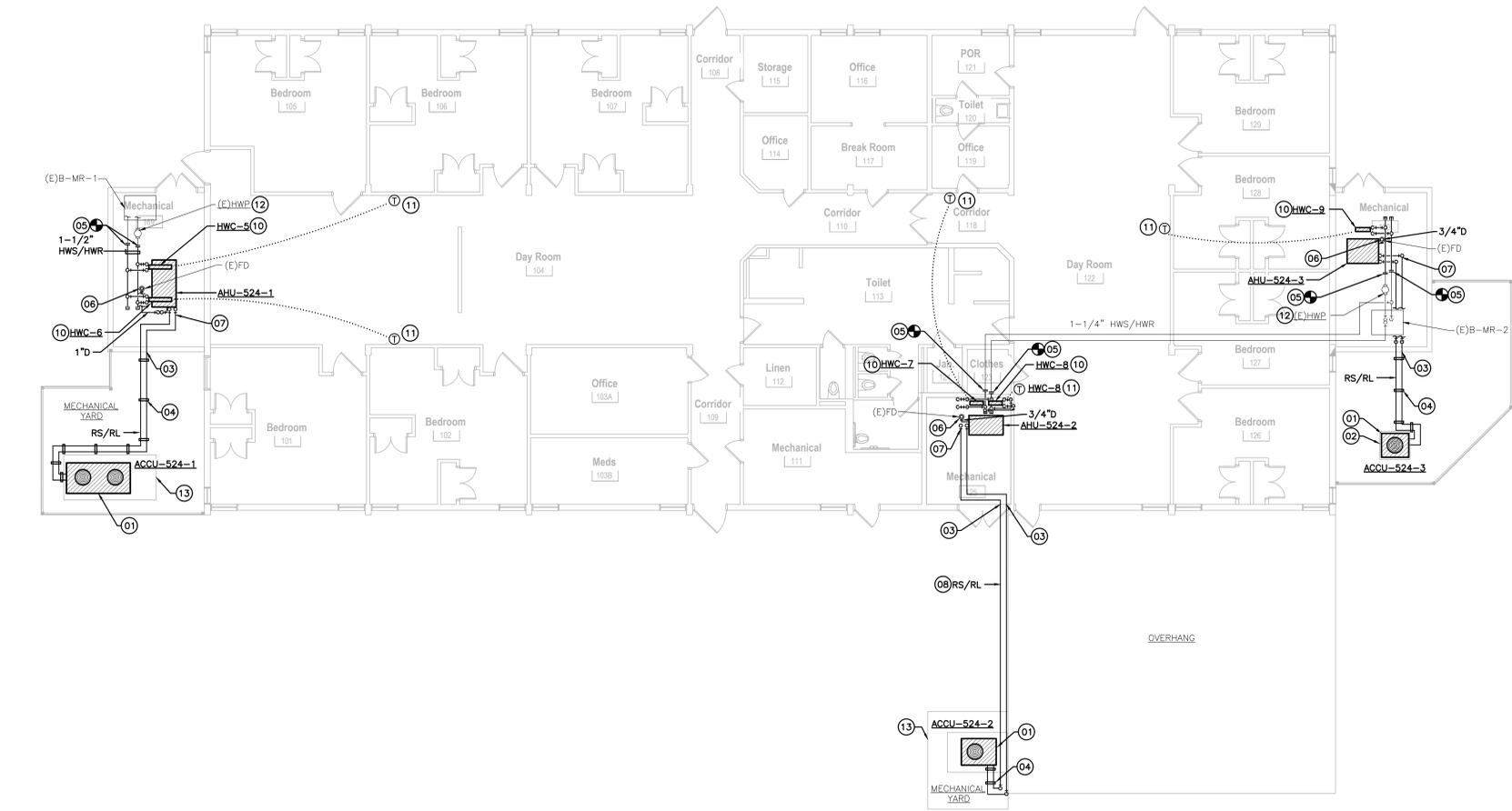
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02 - RENOVATION PLAN - BUILDING 523 - PIPING

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



01 - RENOVATION PLAN - BUILDING 524 - PIPING

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

RENOVATION LEGEND	
SYMBOL	DESCRIPTION
—	EXISTING TO REMAIN
—	NEW CONSTRUCTION
●	CONNECT AT THIS POINT

GENERAL NOTES
 1. NEW REFRIGERANT PIPING MUST BE INSTALLED AT RIGHT ANGLES.

- KEYED NOTES**
- 01 PROVIDE NEW CONDENSING UNIT ON EXISTING HOUSEKEEPING PAD. CONNECT REFRIGERANT PIPING TO CONDENSING UNIT AS REQUIRED. REFER TO SCHEDULES FOR PERFORMANCE.
 - 02 PROVIDE NEW 4-INCH HOUSEKEEPING PAD 4-INCHES LARGER THAN CONDENSING UNIT ON ALL SIDES.
 - 03 ROUTE REFRIGERANT PIPING ON GROUND AND THROUGH MECHANICAL ROOM EXTERIOR WALL. SEAL ANNUAL SPACE AROUND PENETRATION WATERTIGHT.
 - 04 PIPE SUPPORT (TYP.). ROOF SUPPORTS SHALL BE COOPER B-LINE DURABLOCK WITH ARMAFIX INSULATED PIPE CLAMP.
 - 05 MODIFY HEATING HOT WATER PIPING AS REQUIRED TO ACCOMMODATE NEW UNIT CONNECTIONS.
 - 06 ROUTE CONDENSATE TO EXISTING FLOOR DRAIN.
 - 07 ROUTE REFRIGERANT PIPING TO NEW AHU COIL CONNECTION AND CONNECT AS REQUIRED. SIZE PER MANUFACTURERS REQUIREMENTS.
 - 08 ROUTE REFRIGERANT PIPING ALONG OVERHANG TO MATCH EXISTING INSTALLATION.
 - 09 ROUTE REFRIGERANT PIPING IN EXISTING 4-INCH PVC SLEEVE UNDER DRIVEWAY.
 - 10 ROUTE HOT WATER PIPING TO DUCT MOUNTED COIL CONNECTION AND CONNECT AS REQUIRED. REFER TO SCHEDULES FOR PERFORMANCE.
 - 11 PROVIDE THERMOSTAT WITH CLEAR AND LOCKABLE COVER FOR DUCT MOUNTED HEATING COIL. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
 - 12 RE-BALANCE EXISTING HOT WATER PUMP TO TOTAL FLOW OF HOT WATER HEATING COILS. MAINTAIN MINIMUM FLOW REQUIREMENTS THROUGH EXISTING BOILER.
 - 13 EXISTING HOUSEKEEPING PAD TO REMAIN.
 - 14 EXTEND EXISTING HOUSEKEEPING PAD AS REQUIRED TO ACCOMMODATE NEW CONDENSING UNIT SIZE.
 - 15 RELOCATE EXISTING HOT WATER SUPPLY PUMP TO LOCATION SHOWN.

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ISSUES

No.	Date	Description
	11/13/2025	ISSUE FOR CONSTRUCTION

PROJECT TITLE
RENOVATION PLANS - BUILDINGS 523 AND 524 - PIPING

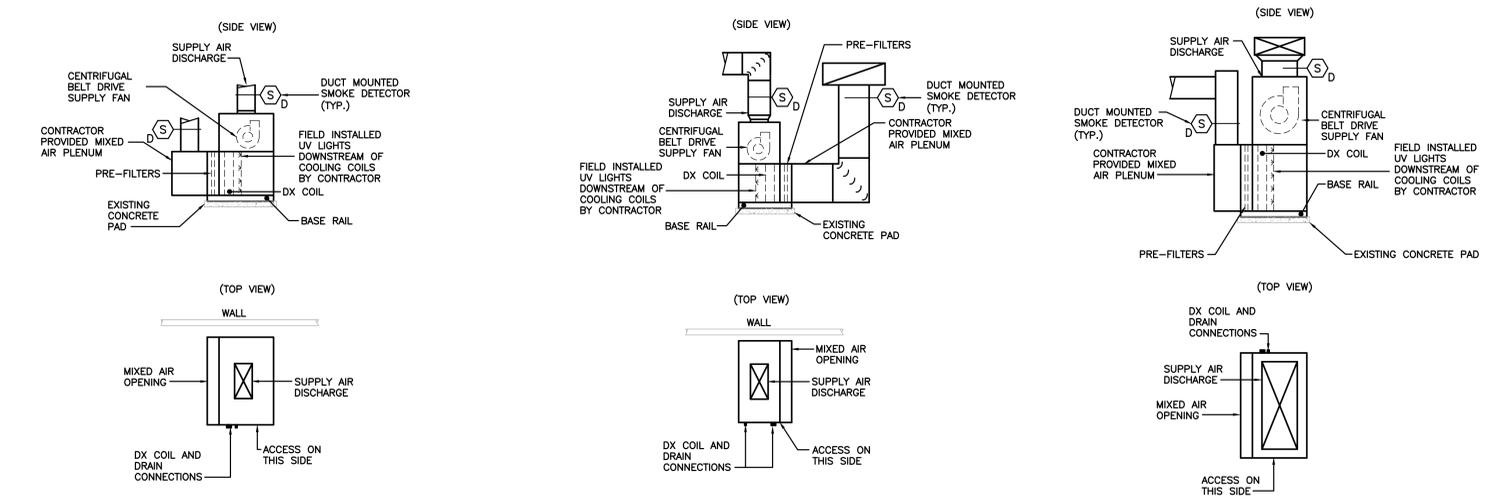
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PROJECT NUMBER
M.203

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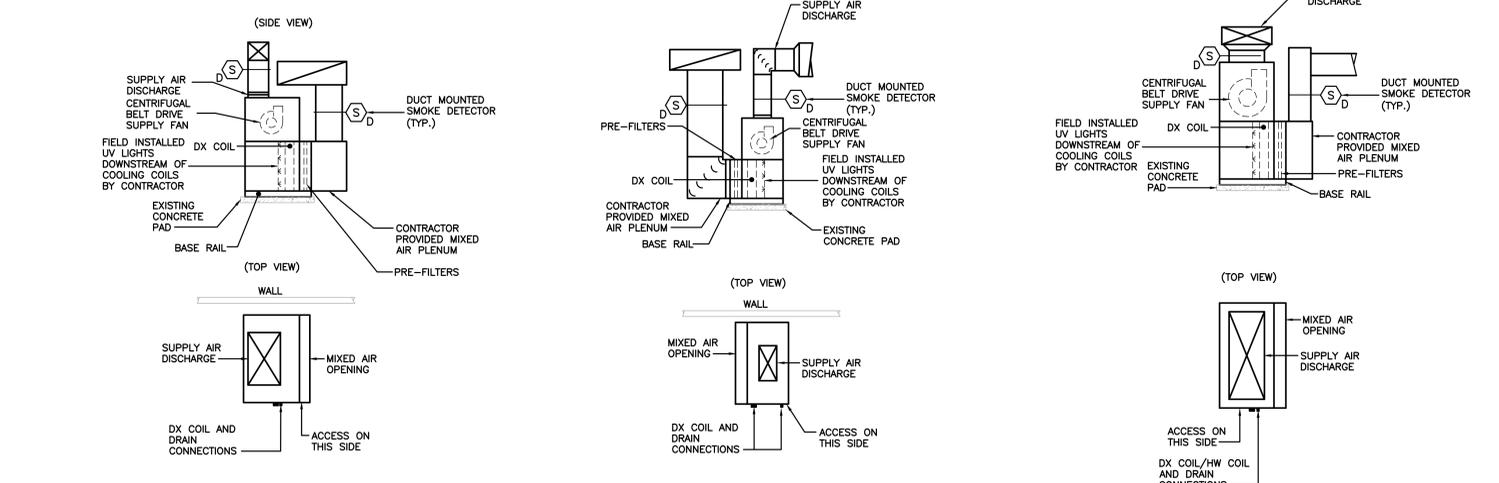
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10 AHU-524-3 COMPONENT DETAIL
NOT TO SCALE

09 AHU-524-2 COMPONENT DETAIL
NOT TO SCALE

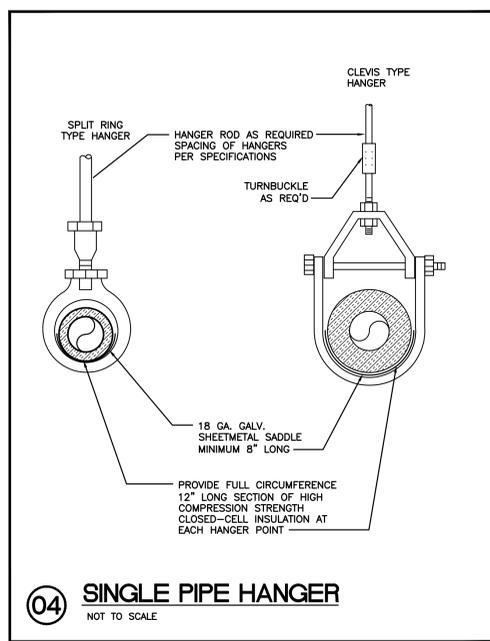
08 AHU-524-1 COMPONENT DETAIL
NOT TO SCALE



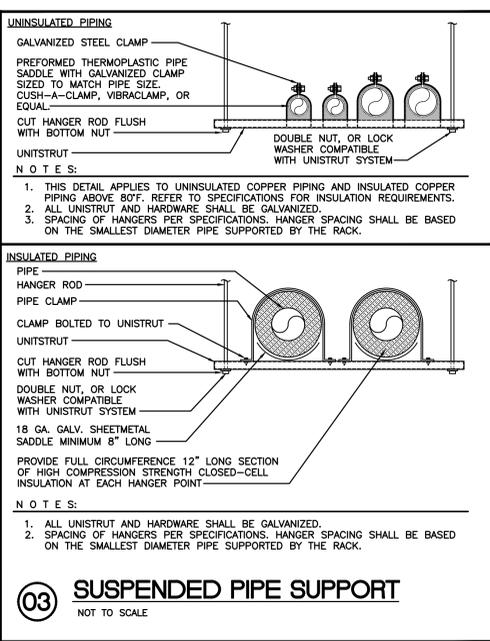
07 AHU-523-3 COMPONENT DETAIL
NOT TO SCALE

06 AHU-523-2 COMPONENT DETAIL
NOT TO SCALE

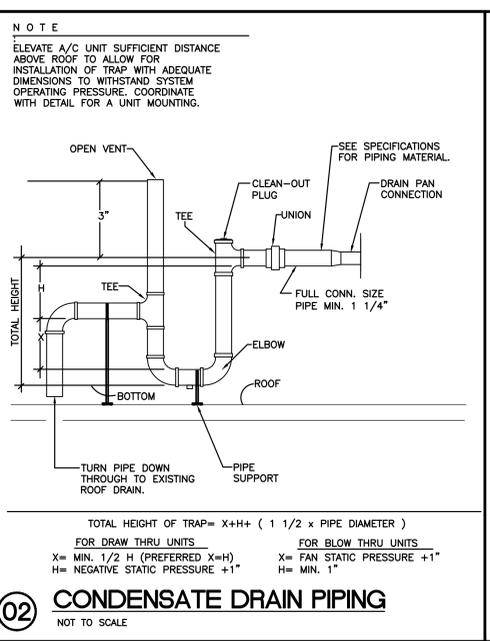
05 AHU-523-1 COMPONENT DETAIL
NOT TO SCALE



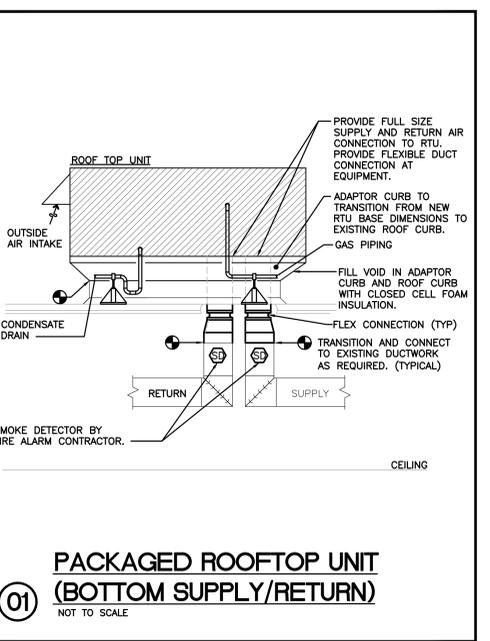
04 SINGLE PIPE HANGER
NOT TO SCALE



03 SUSPENDED PIPE SUPPORT
NOT TO SCALE



02 CONDENSATE DRAIN PIPING
NOT TO SCALE



01 PACKAGED ROOFTOP UNIT (BOTTOM SUPPLY/RETURN)
NOT TO SCALE

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COMMISSION NAME
Texas Health & Human
Services Commission New
HVAC Units at Buildings
506, 523 and 524. Project
NO. 25-107-LFL

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REVIEW STAMP AREA

ISSUES

No.	Date	Description
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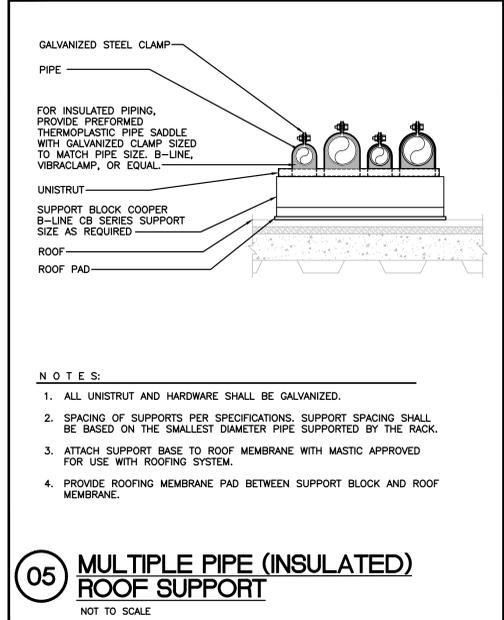
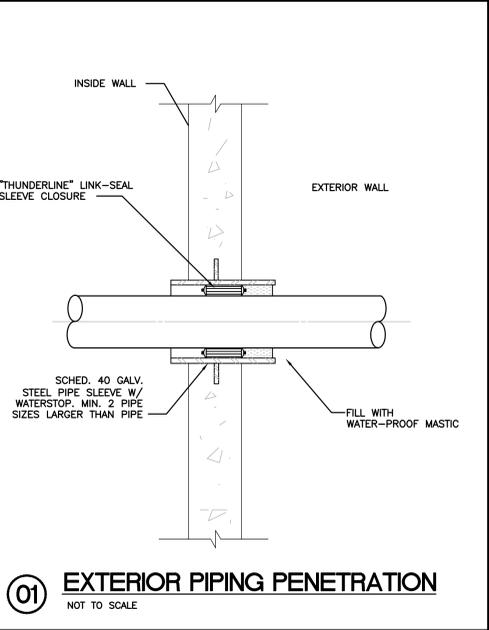
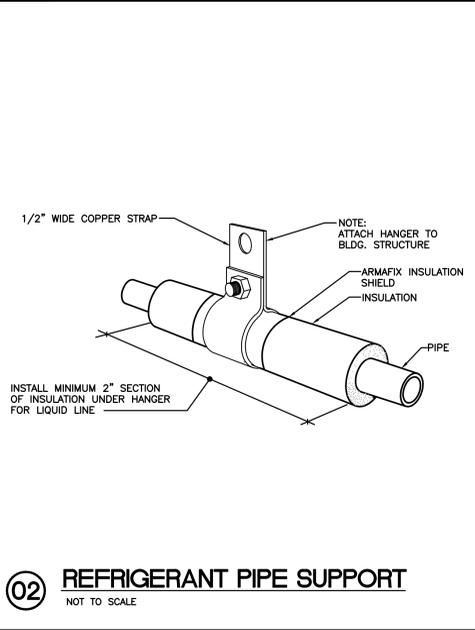
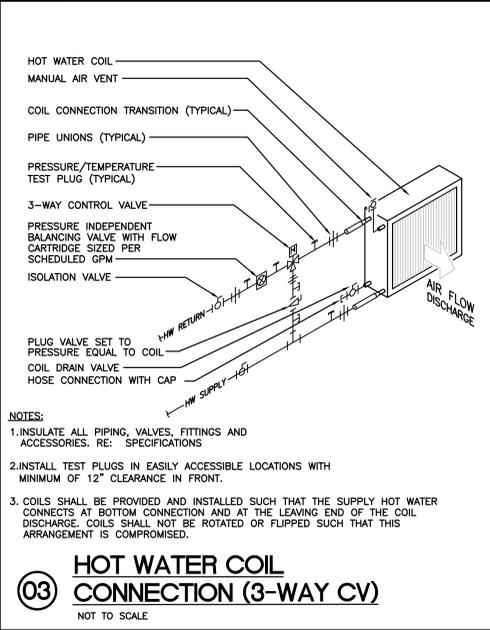
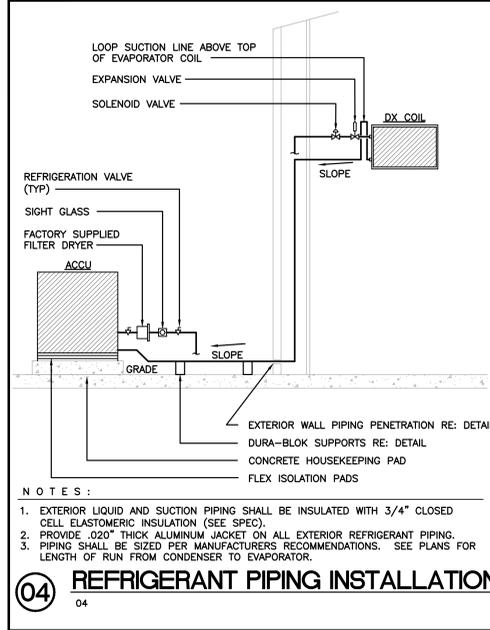
DETAILS -
MECHANICAL

THREX DESIGN LLC COMMISSION NO. 225-003
SHEET NUMBER
M.301

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Texas Reg. No. F-5712
GFE Project No. 25026

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WWW.STRUCTURESTX.COM
FIRM NO.: F-3323

COMMISSION NAME

Texas Health & Human
Services Commission New
HVAC Units at Buildings
506, 523 and 524. Project
NO. 25-107-LFL



Lufkin State Supported Living
Center
6844 US-60
Pollok, TX 75969

REVIEW STAMP AREA



ISSUES

No.	Date	Description
	11/13/2025	ISSUE FOR CONSTRUCTION

SHEET TITLE

DETAILS - MECHANICAL

THREE DESIGN LLC COMMISSION NO. 225-003

SHEET NUMBER

M.302

PRINT DATE / TIME

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GENERAL DEMOLITION NOTES

- PROPERLY DISPOSE OF ANY HARMFUL COMPONENTS AND SUBSTANCES (BATTERY PACKS, ETC).
- PLAN ANY NECESSARY POWER OUTAGES. SUBMIT OUTAGE REQUESTS 10 WORKING DAYS PRIOR TO PLANNED OUTAGE DATE. CONTRACTOR SHALL PREPARE A WRITTEN PROCEDURE TO BE FOLLOWED DURING THE OUTAGE TO COMPLETE THE PLANNED WORK. CONTRACTOR SHALL PROVIDE DETAILS TO THE OWNER OF WHERE POWER DISRUPTION WILL OCCUR, AND SHALL COORDINATE WITH THE OWNER TO DETERMINE WHEN THE POWER DISRUPTION IS ACCEPTABLE. OWNER'S DECISION IS FINAL.
- CONTRACTOR SHALL NOTE ANY EXISTING FIRE RATING/PREVENTION METHODS EMPLOYED AT EACH AREA OF THE SCOPE OF WORK - FIRE CAULK, LIGHTING FIXTURE "FIRE BOXES", ETC. THE CONTRACTOR SHALL MAINTAIN AND/OR RESTORE THE ORIGINAL FIRE RATING (USING SAME METHOD AS ORIGINALLY PROVIDED) AT EACH LOCATION AFFECTED BY THE WORK PERFORMED IN THIS RENOVATION. FINAL INSTALLATION APPROVAL SHALL BE BY THE AHJ AND OWNER.
- ALL EXISTING PANELBOARDS AND TRANSFORMERS ARE TO REMAIN UNLESS NOTED OTHERWISE.
- CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH REMAIN OR ARE TO BE REUSED. IF ANY MATERIAL, EQUIPMENT, AND/OR FINISHES WITHIN THE SCOPE OF WORK ARE DAMAGED, THEN RESTORE THEM INTO WORKING CONDITION THAT IS ACCEPTABLE BY THE AHJ AND OWNER. IF NECESSARY, THE CONTRACTOR SHALL EMPLOY CRAFTS THAT WERE ORIGINALLY USED TO PERFORM THE EXISTING WORK.
- UPON COMPLETION OF RENOVATION, CONTRACTOR SHALL PROVIDE CONTINUITY OF ANY CIRCUITS THAT ARE TO REMAIN THAT WERE INTERRUPTED DUE TO THE DEMOLITION. PROVIDE "AS-BUILT" DRAWINGS AND ACCURATELY DENOTE EACH CIRCUIT PART OF THE SCOPE OF WORK. UPDATE ALL PANELBOARD/SWITCHBOARD DIRECTORIES AS REQUIRED.

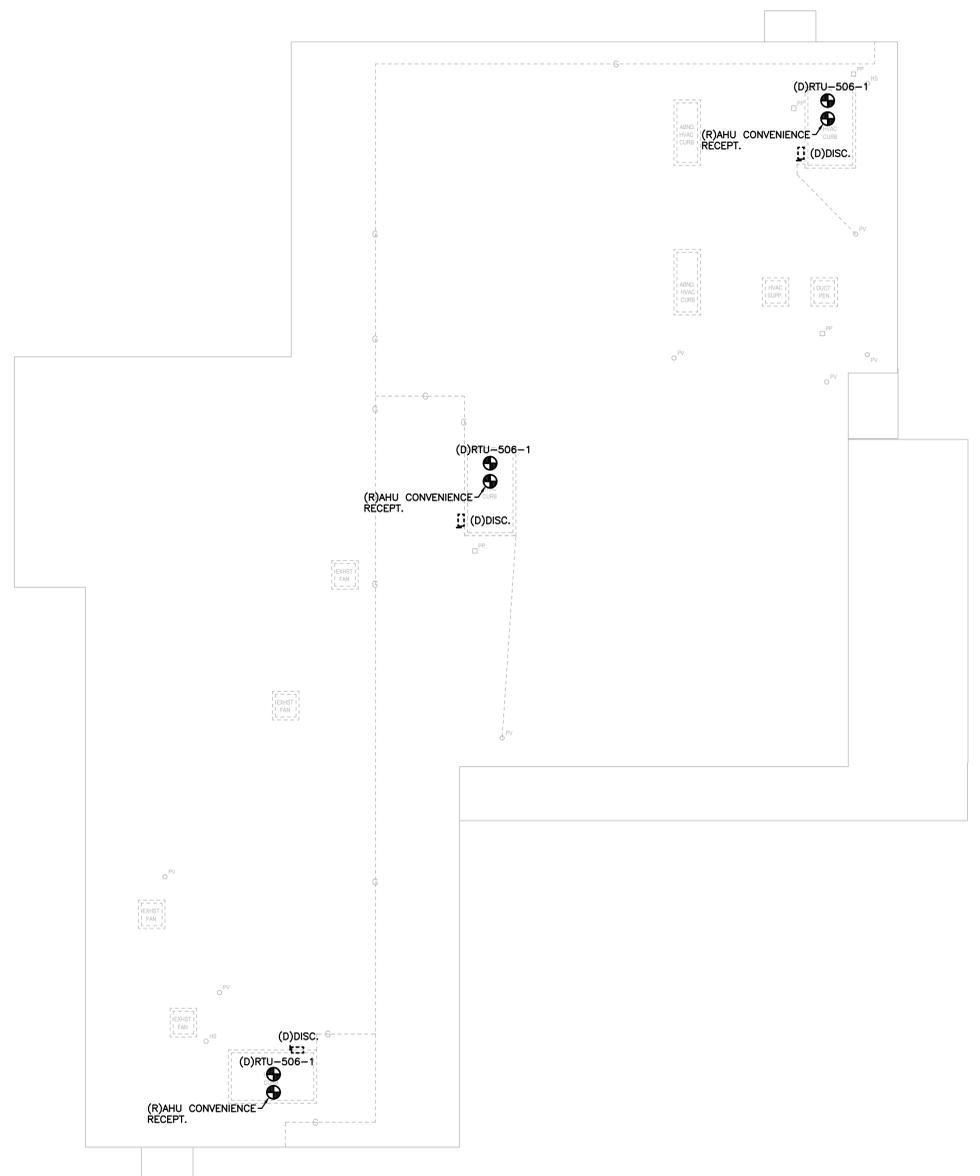
GENERAL DEMOLITION NOTES

- REFER TO THE MECHANICAL AND/OR PLUMBING PLANS FOR EXACT EQUIPMENT LOCATIONS AND ADDITIONAL INFORMATION REGARDING WHICH EQUIPMENT IS TO BE DEMOLISHED.
- TO BEGIN THE DEMOLITION INDICATES THAT THE CONTRACTOR HAS VISITED SITE, IS FAMILIAR WITH, AND ACCEPTS THE EXISTING CONDITIONS.
- CONTRACTOR SHALL MAINTAIN ACCESS TO EXISTING ELECTRICAL EQUIPMENT OR DEVICES WHICH REMAIN ACTIVE. CONTRACTOR SHALL EXTEND EXISTING INSTALLATIONS USING MATERIALS AND METHODS AS SPECIFIED.
- VERIFY AND/OR DETERMINE EXISTING CIRCUITING ARRANGEMENTS FOR EQUIPMENT TO BE REMOVED BEFORE DE-ENERGIZING ANY CIRCUITS. CONTRACTOR SHALL CIRCUIT TRACE TO DETERMINE PANEL AND CIRCUIT CONNECTIONS FOR ALL EXISTING EQUIPMENT AND/OR CIRCUITS THAT ARE TO BE REMOVED IN PREPARATION FOR THE RENOVATION.
- REMOVE ALL EXISTING DEVICES/EQUIPMENT THAT ARE NOT TO BE UTILIZED AFTER THE PROJECT IS COMPLETED, INCLUDING HANGARS AND SUPPORTS. REMOVE ALL CONDUIT AND WIRING BACK TO THE SOURCE AND/OR PANEL UNLESS INDICATED OTHERWISE. PROVIDE KNOCKOUT COVERS AT UNUSED KNOCKOUT OPENINGS. MAINTAIN OPERATIONAL ALL EXISTING TO REMAIN DEVICES/EQUIPMENT. REGARDLESS IF ANY UPSTREAM DEVICES/EQUIPMENT ARE TO BE DEMOLISHED (EXTEND EXISTING CIRCUITS AS NEEDED). ALL MATERIALS AND EQUIPMENT NOT TO BE REUSED (UNLESS OWNER ELECTS TO RETAIN) IN THE PROJECT BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES.
- REMOVE EXISTING ELECTRICAL DEVICES WHERE EXISTING WALLS ARE BEING REMOVED.
- REFER TO ARCHITECTURAL PLANS FOR AREAS WHERE CEILING IS BEING DEMOLISHED. DEMOLISH LIGHTING FIXTURES AND ELECTRICAL CEILING MOUNTED DEVICES UNLESS INDICATED OTHERWISE.
- PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. CONTRACTOR SHALL REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION. IF WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, CONTRACTOR SHALL USE PERSONNEL QUALIFIED FOR SUCH OPERATIONS.

DEMOLITION LEGEND

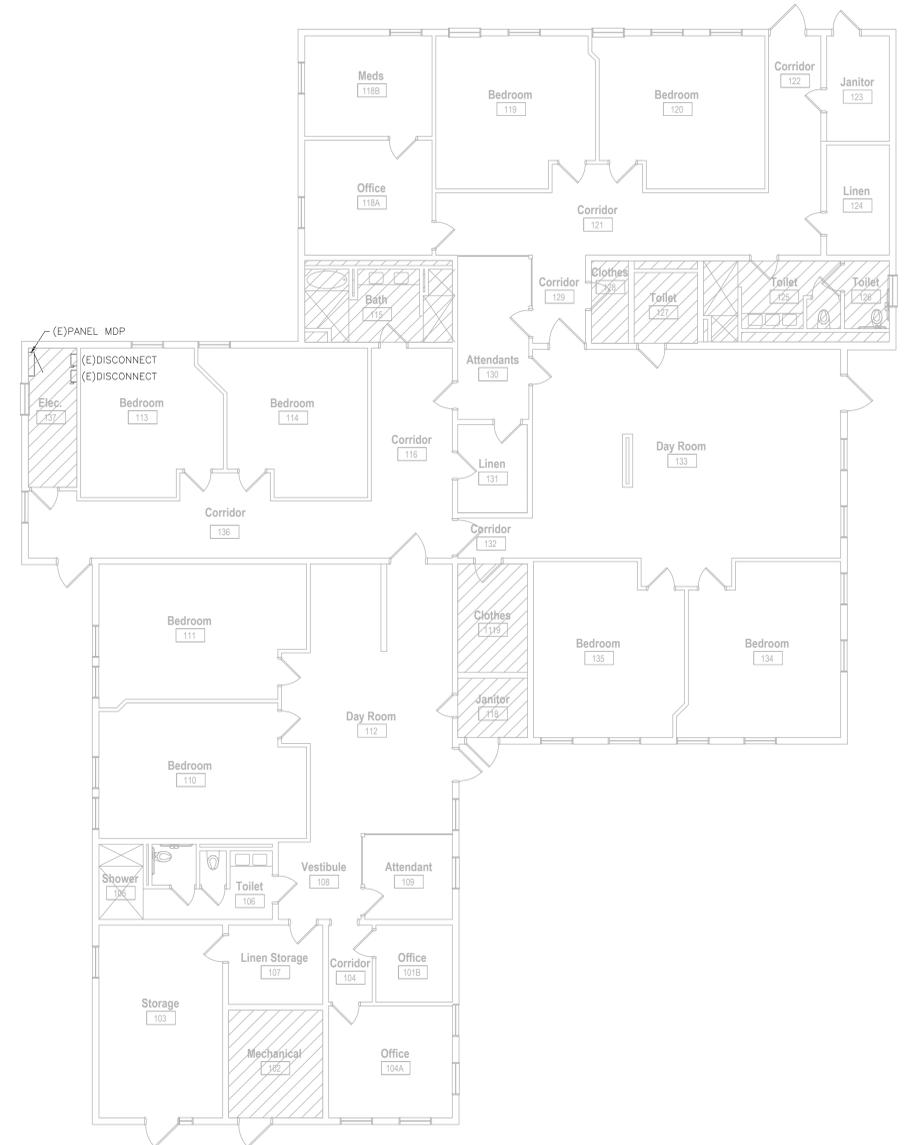
SYMBOL	DESCRIPTION
---	EXISTING TO REMAIN "(E)"
- - - - -	EXISTING TO BE RELOCATED "(R)"
----	EXISTING TO BE DEMOLISHED "(D)"

NOTE: ALL ELECTRICAL ITEMS SHOWN ARE "(D)" EXISTING TO BE DEMOLISHED, UNLESS SPECIFICALLY TAGGED "(E)" EXISTING TO REMAIN OR "(R)" EXISTING TO BE RELOCATED.



02 - ROOF DEMOLITION PLAN - BUILDING 506 - ELECTRICAL

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



01 - LEVEL 1 DEMOLITION PLAN - BUILDING 506 - ELECTRICAL

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

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 FIRM NO.: F-3323

COMMISSION NO:
Texas Health & Human Services Commission New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL

TEXAS
 Health and Human Services

Lufkin State Supported Living Center
 6844 US-60
 Pollok, TX 75969

REVIEW STAMP AREA

JOHN C. GARNER
 65615
 11/13/2025

ISSUES

No.	Date	Description
1	11/13/2025	ISSUE FOR CONSTRUCTION

SHEET TITLE
DEMOLITION PLANS - BUILDING 506 - ELECTRICAL

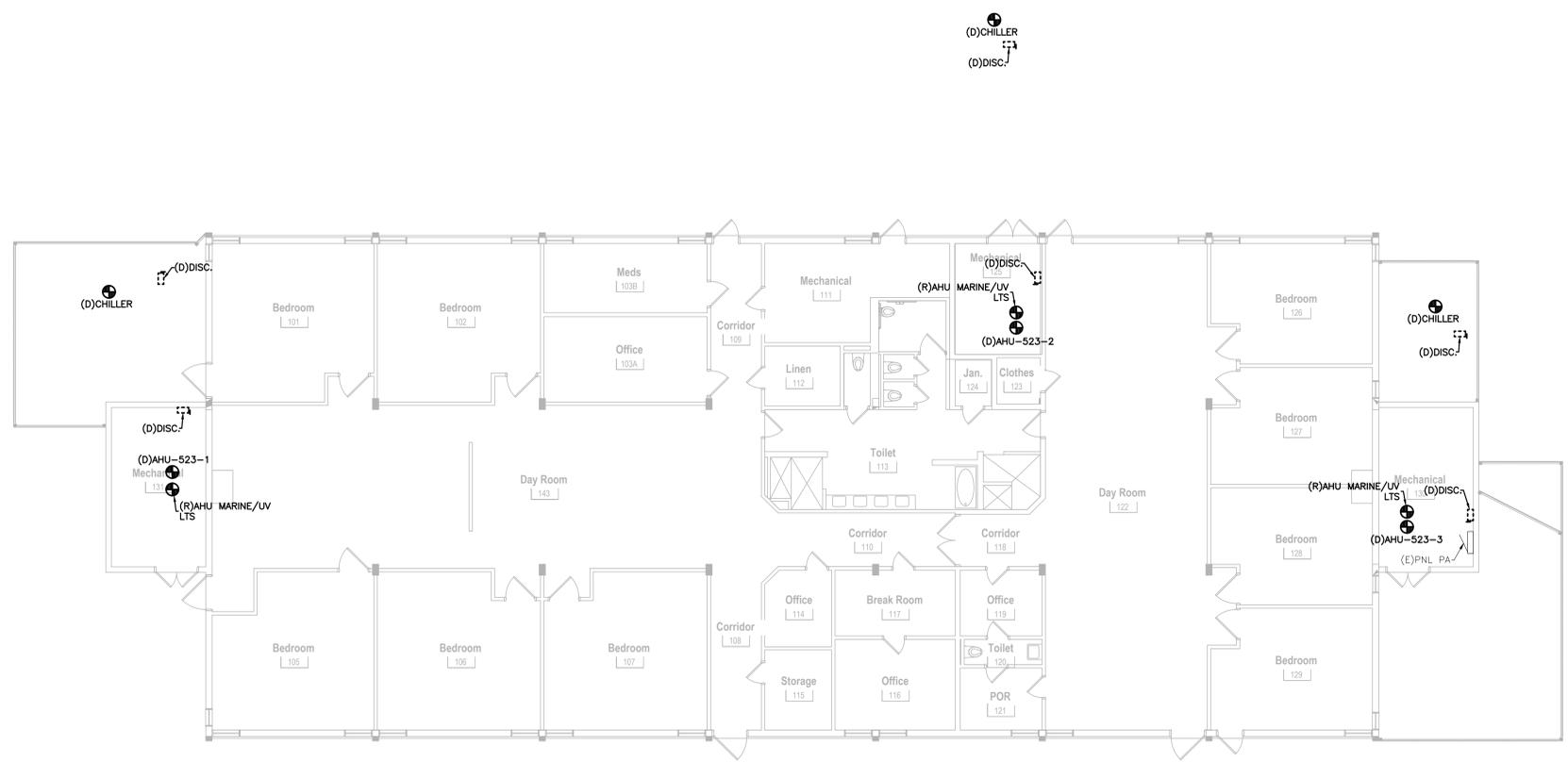
THRE3 DESIGN LLC COMMISSION NO: 225-003

SHEET NUMBER
E.101

PRINT DATE / TIME

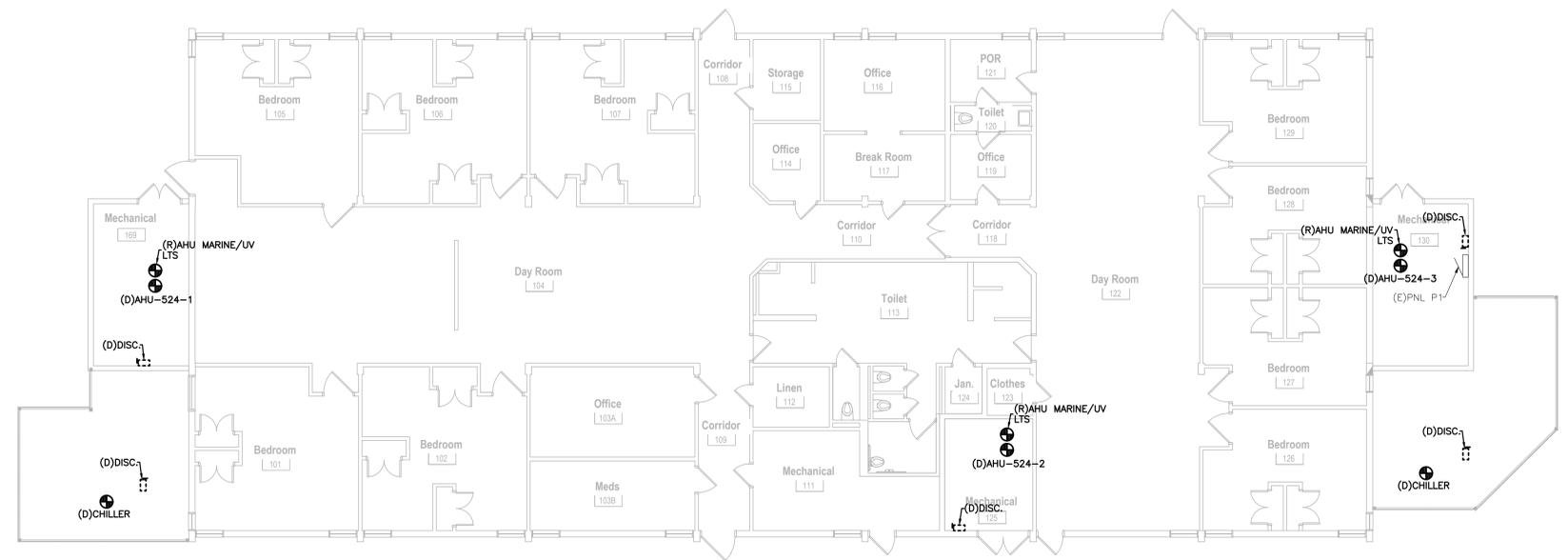
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01 - DEMOLITION PLAN - BUILDING 523 - ELECTRICAL

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



01 - DEMOLITION PLAN - BUILDING 524 - ELECTRICAL

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

DEMOLITION LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING TO REMAIN "(E)"
----	EXISTING TO BE RELOCATED "(R)"
-----	EXISTING TO BE DEMOLISHED "(D)"

GENERAL DEMOLITION NOTES

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- REMOVE ALL EXISTING DEVICES/EQUIPMENT THAT ARE NOT TO BE UTILIZED AFTER THE PROJECT IS COMPLETED, INCLUDING HANGARS AND SUPPORTS. REMOVE ALL CONDUIT AND WIRING BACK TO THE SOURCE AND/OR PANEL UNLESS INDICATED OTHERWISE. PROVIDE KNOCKOUT COVERS AT UNUSED KNOCKOUT OPENINGS. MAINTAIN OPERATIONAL ALL EXISTING TO REMAIN DEVICES/EQUIPMENT, REGARDLESS IF ANY UPSTREAM DEVICES/EQUIPMENT ARE TO BE DEMOLISHED (EXTEND EXISTING CIRCUITS AS NEEDED). ALL MATERIALS AND EQUIPMENT NOT TO BE REUSED (UNLESS OWNER ELECTS TO RETAIN) IN THE PROJECT BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES.
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- CONTRACTOR SHALL NOTE ANY EXISTING FIRE RATING/PREVENTION METHODS EMPLOYED AT EACH AREA OF THE SCOPE OF WORK - FIRE GASKETS, LIGHTING FIXTURE "FIRE BOXES", ETC. THE CONTRACTOR SHALL MAINTAIN AND/OR RESTORE THE ORIGINAL FIRE RATING (USING SAME METHOD AS ORIGINALLY PROVIDED) AT EACH LOCATION AFFECTED BY THE WORK PERFORMED IN THIS RENOVATION. FINAL INSTALLATION APPROVAL SHALL BE BY THE AHJ AND OWNER.
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NOTE: ALL ELECTRICAL ITEMS SHOWN ARE "(D)" EXISTING TO BE DEMOLISHED, UNLESS SPECIFICALLY TAGGED "(E)" EXISTING TO REMAIN OR "(R)" EXISTING TO BE RELOCATED.

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COMMISSION NAME
Texas Health & Human Services Commission New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL

TEXAS
 Health and Human Services

Lufkin State Supported Living Center
 6844 US-60
 Pollok, TX 75969

REVIEW STAMP/SEAL

JOHN C. GARNER
 65615
 11/13/2025

ISSUES

No.	Date	Description
1	11/13/2025	ISSUE FOR CONSTRUCTION

DEMOLITION PLANS - BUILDINGS 523 AND 524 - ELECTRICAL

THRE3 DESIGN LLC COMMISSION NO: 225-003

PRINT DATE /TIME: **E.102**

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- ### GENERAL EQUIPMENT POWER NOTES
- FOR ALL EXTERIOR LOCATED EQUIPMENT, PROVIDE A NEW UNISTRUT RACK NEXT TO THE EQUIPMENT UNLESS INDICATED OTHERWISE OR IF DISCONNECT IS MOUNTED ON THE EQUIPMENT. MOUNT THE DISCONNECT ON THE NEW UNISTRUT RACK. PROPERLY SEAL ALL ROOF PENETRATIONS AS NEEDED. DISCONNECT HOUSING SHALL BE NEMA 3R RATED.
 - THE WIRING BETWEEN EQUIPMENT SHALL INDICATE THAT THE CONNECTED EQUIPMENT SHARE A COMMON CIRCUIT BREAKER. REFER TO THE EQUIPMENT CONNECTION SCHEDULE FOR THE CIRCUIT BREAKER SIZE, CONDUCTOR SIZE, AND PANEL SOURCE IDENTIFICATION. THE CIRCUIT HOMERUN TO THE PANEL OR SUPPLY SOURCE SHALL BE MADE FROM THE MIDDLE OF THE CONNECTED EQUIPMENT, AS TO MINIMIZE THE VOLTAGE DROP. THE EQUIPMENT SHALL BE WIRED IN A MANNER IN WHICH EACH PIECE OF EQUIPMENT CAN BE DISCONNECTED INDEPENDENTLY FROM THE CIRCUIT WITHOUT AFFECTING ANY DOWNSTREAM OR UPSTREAM CONNECTED DEVICES/EQUIPMENT.
 - ALL STARTER AND/OR VFD LOCATIONS MAY NOT BE SHOWN ON THE ELECTRICAL PLANS. HOWEVER, THE CONTRACTOR SHALL PROVIDE ALL STARTERS AND/OR VFD'S AS REQUIRED BY THE CONTRACT DOCUMENTS, REFER TO THE EQUIPMENT ELECTRICAL CONNECTION SCHEDULE. ALL STARTERS AND VFD'S SHALL BE INSTALLED PER NEC, WITHIN SIGHT AND NOT MORE THAN 30 FT. AWAY FROM THE EQUIPMENT THEY SERVE UNLESS SHOWN OTHERWISE. IF A STARTER OR VFD IS NOT SHOWN ON THE ELECTRICAL PLANS, THE EXACT LOCATION SHALL BE FIELD VERIFIED AND INSTALLED PER THE REQUIREMENTS MENTIONED ABOVE.
 - REFER TO THE MECHANICAL PLANS AND VERIFY WHICH EQUIPMENT REQUIRES A BAS CONNECTION. PROVIDE ALL NEW NECESSARY WIRING, CONDUIT, CONNECTIONS, AND TERMINATIONS FROM THE EQUIPMENT TO THE BUILDING AUTOMATION SYSTEM CONTROL PANEL. ALL WIRING SHALL BE IN CONDUIT.
 - DO NOT PENETRATE ANY EQUIPMENT UNIT HOUSINGS. PENETRATIONS SHALL ONLY BE ALLOWED IF MADE INTO THE EQUIPMENT MANUFACTURER'S PROVIDED KNOCK-OUTS OR OPENINGS.
 - EQUIPMENT MANUFACTURER'S PROVIDED KNOCK-OUTS OR OPENINGS.

- ### GENERAL EQUIPMENT POWER NOTES
- REFER TO THE GENERAL NOTES ON THE INFORMATION SHEET FOR ADDITIONAL INFORMATION.
 - REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - REFER TO THE MECHANICAL AND/OR PLUMBING PLANS FOR EXACT EQUIPMENT LOCATIONS. EQUIPMENT LOCATIONS SHOWN ON THE ELECTRICAL PLANS ARE FOR REFERENCE ONLY.
 - ALL PANELBOARDS ARE EXISTING TO REMAIN UNLESS INDICATED OTHERWISE.
 - PROVIDE PERMANENT AFFIXED NAMEPLATES ON ALL ELECTRICAL EQUIPMENT ENCLOSURES OR HOUSINGS THAT ARE PART OF THE SCOPE OF WORK UNLESS NOTED OTHERWISE.
 - ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED PER THE NEC REQUIRED CLEARANCES. THE WORKING/SPACE CLEARANCES SHALL BE AT A MINIMUM OF 4FT. IN FRONT OF THE EQUIPMENT AND 6FT. ABOVE (OR AS INDICATED PER THE NEC). PRIOR TO THE ELECTRICAL CONTRACTOR BID PROCESS, VERIFY THAT ALL ELECTRICAL CLEARANCES ARE MET BY OBTAINING THE EQUIPMENT DIMENSIONS FROM THE MANUFACTURER AND GRAPHICALLY POSITION SCALED EQUIPMENT FIGURES INTO THE ELECTRICAL ROOMS DRAWINGS AND OTHER AREAS. CONSIDER ALL CEILING HEIGHT LIMITATIONS. PRIOR TO THE START OF ANY CONSTRUCTION, NOTIFY THE ENGINEER IN A WRITTEN MANNER IF ANY DISCREPANCIES ARE FOUND.
 - COORDINATE ANY ROOF PENETRATION WITH OTHER TRADES. ALL ROOF PENETRATIONS SHALL BE PROPERLY SEALED IN ORDER TO PREVENT WATER LEAKAGE.
 - COORDINATE THE LOCATION, MOUNTING HEIGHT, AND ORIENTATION OF ALL ELECTRICAL DEVICES AND OUTLETS WITH ALL OTHER TRADES PRIOR TO ROUGH-IN AND/OR INSTALLATION.
 - REFER TO THE MECHANICAL DRAWINGS TO VERIFY EQUIPMENT REQUIRING SINGLE POINT CONNECTION. IF SINGLE POINT CONNECTION IS PRESENT, CONFIRM EXACT LOCATION OF CONNECTION WITH MANUFACTURER.
 - ALL DISCONNECT LOCATIONS MAY NOT BE SHOWN ON THE ELECTRICAL PLANS. HOWEVER, THE CONTRACTOR SHALL PROVIDE A LOCAL DISCONNECTING MEANS FOR EACH PIECE OF EQUIPMENT REGARDLESS IF A DISCONNECT IS SHOWN ON THE PLANS. ALL DISCONNECTS SHALL BE INSTALLED PER NEC, WITHIN SIGHT AND NOT MORE THAN 30 FT. AWAY FROM THE EQUIPMENT THEY SERVE. INSTALL DISCONNECTS ON THE EQUIPMENT FOR ALL EQUIPMENT LOCATED ABOVE THE FLOOR CEILING. ALL MANUAL MOTOR SWITCHES SHALL BE INSTALLED ON THE EQUIPMENT. ALL OTHER DISCONNECTS SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE EQUIPMENT IT SERVES. IF AN EQUIPMENT DISCONNECT IS NOT SHOWN ON THE ELECTRICAL PLANS, THE EXACT LOCATION SHALL BE FIELD VERIFIED AND INSTALLED PER THE REQUIREMENTS MENTIONED ABOVE. IF APPLICABLE, VFD'S MAY SERVE AS A LOCAL DISCONNECTING MEANS ONLY IF THEY CAN BE EXTERNALLY POWERED OFF (VFD WITH AN OFF HANDLE) AND INSTALLED PER NEC.

RENOVATION LEGEND

SYMBOL	DESCRIPTION
---	EXISTING TO REMAIN "(E)"
---	RELOCATED "(R)"
---	NEW CONSTRUCTION

EQUIPMENT POWER KEYED NOTES

(1) PROVIDE POWER CONNECTION TO ROOFTOP UNIT VIA PROVIDED SINGLE POINT POWER CONNECTION. VERIFY AND COORDINATE REQUIREMENTS.

MEP



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COMMISSION NAME
Texas Health & Human Services Commission New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL



Lufkin State Supported Living Center
 6844 US-60
 Pollok, TX 75969

REVIEW STAMP AREA



ISSUES

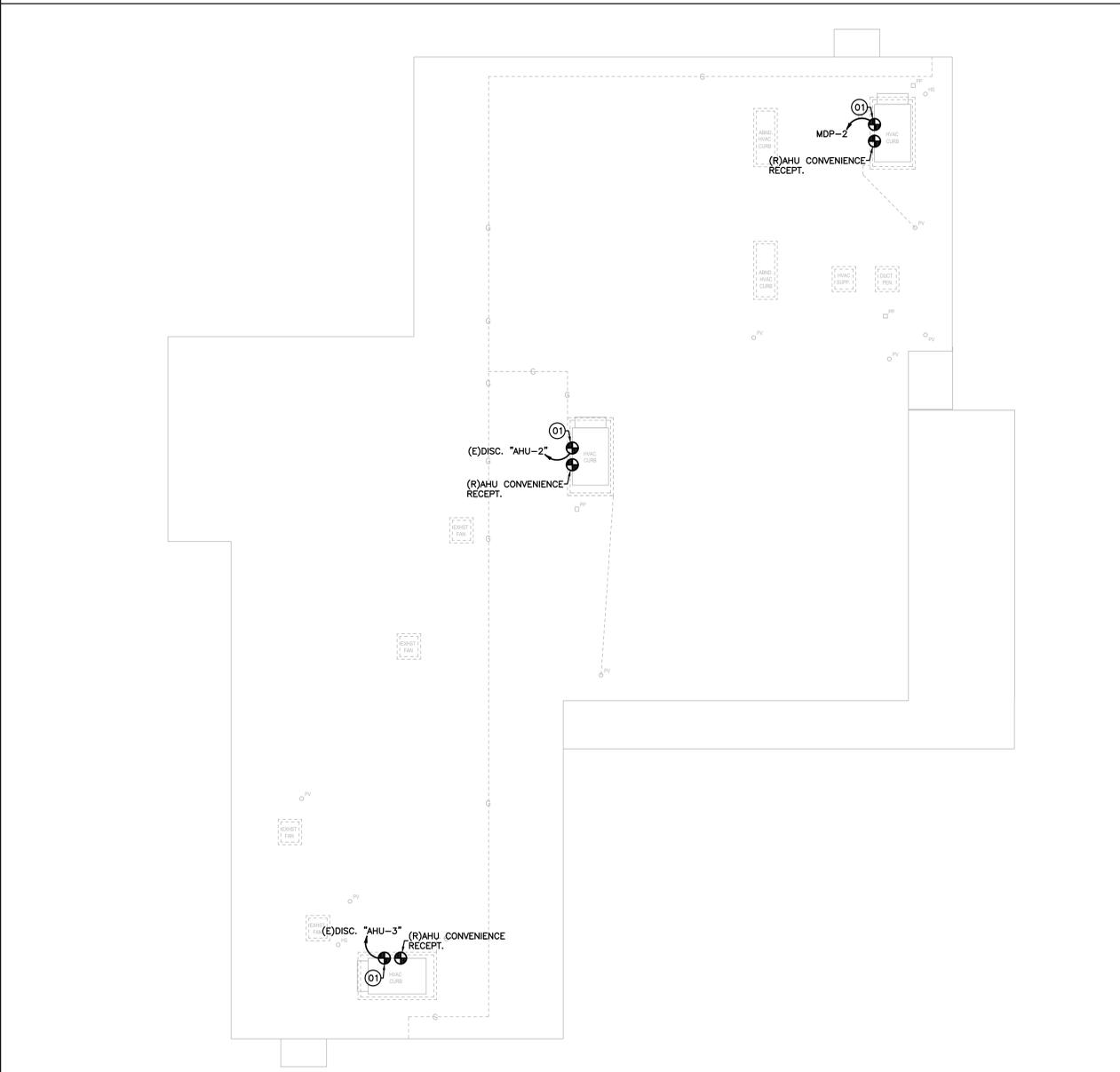
No.	Date	Description
1	11/13/2025	ISSUE FOR CONSTRUCTION

SHEET TITLE
RENOVATION PLANS - BUILDING 506 - ELECTRICAL

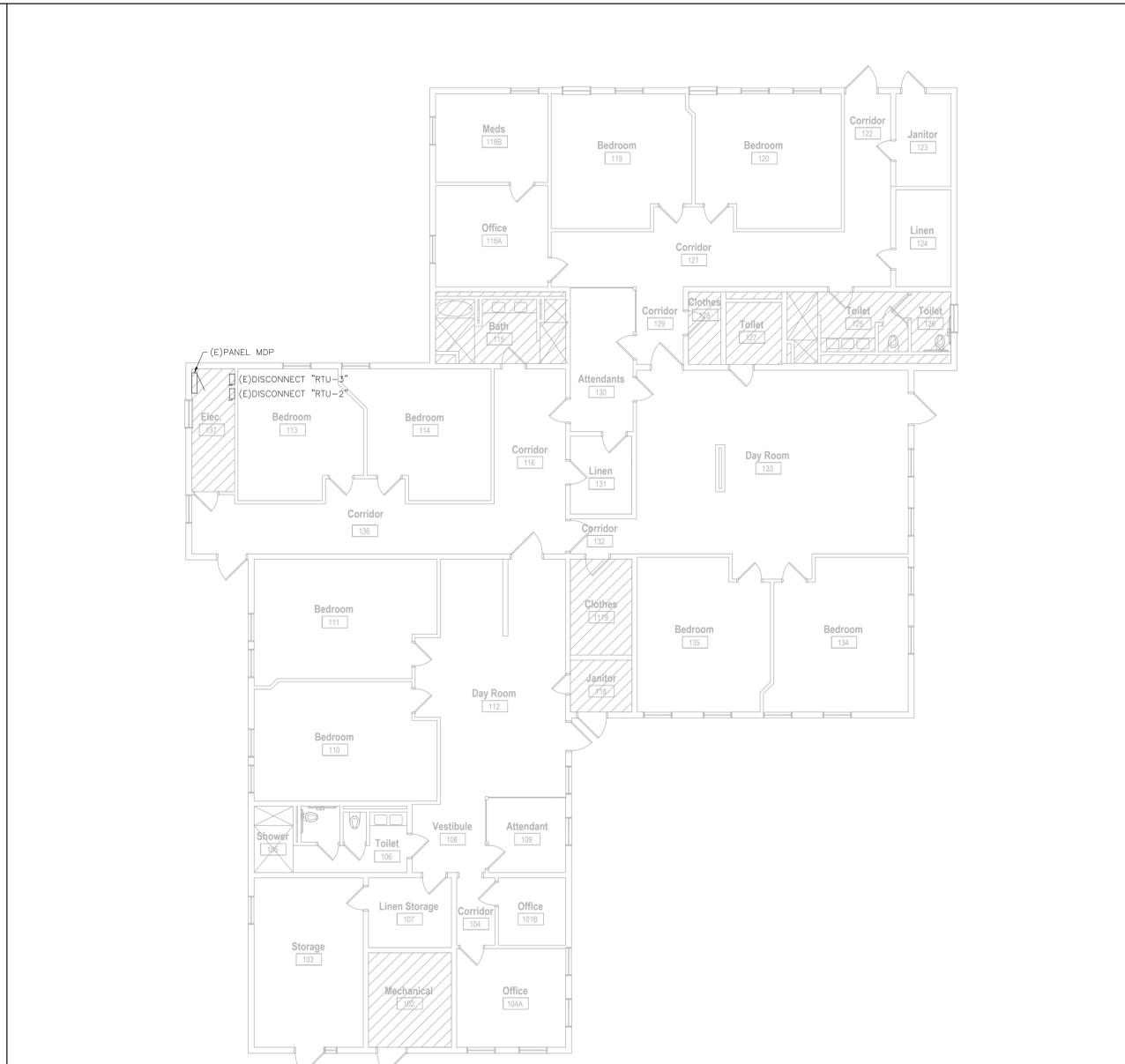
THRE3 DESIGN LLC COMMISSION NO. 225-003

SHEET NUMBER
E.201

PRINT DATE / TIME



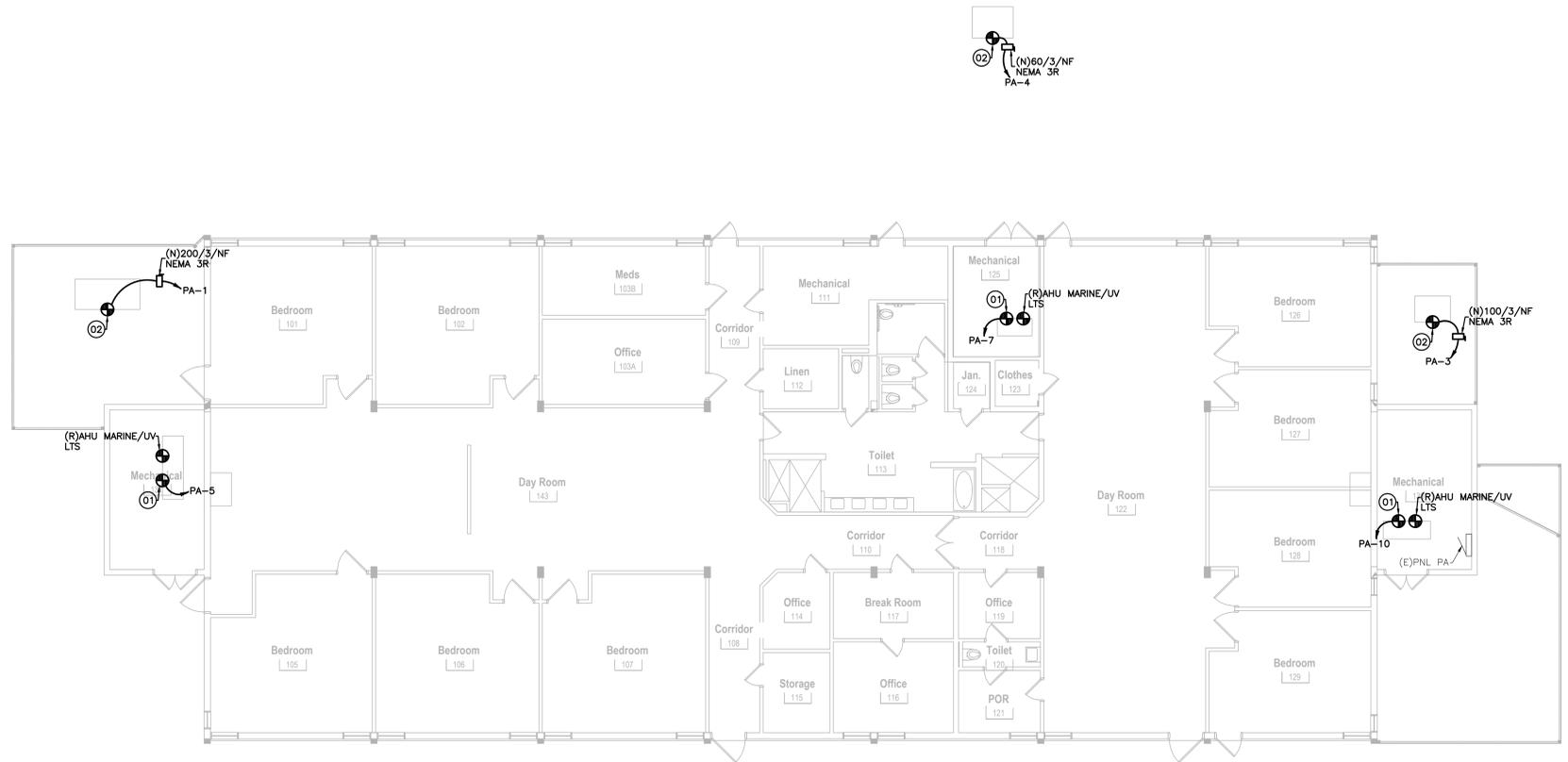
02 - ROOF RENOVATION PLAN - BUILDING 506 - ELECTRICAL SCALE: 1/8"=1'-0"



01 - LEVEL 1 RENOVATION PLAN - BUILDING 506 - ELECTRICAL SCALE: 1/8"=1'-0"

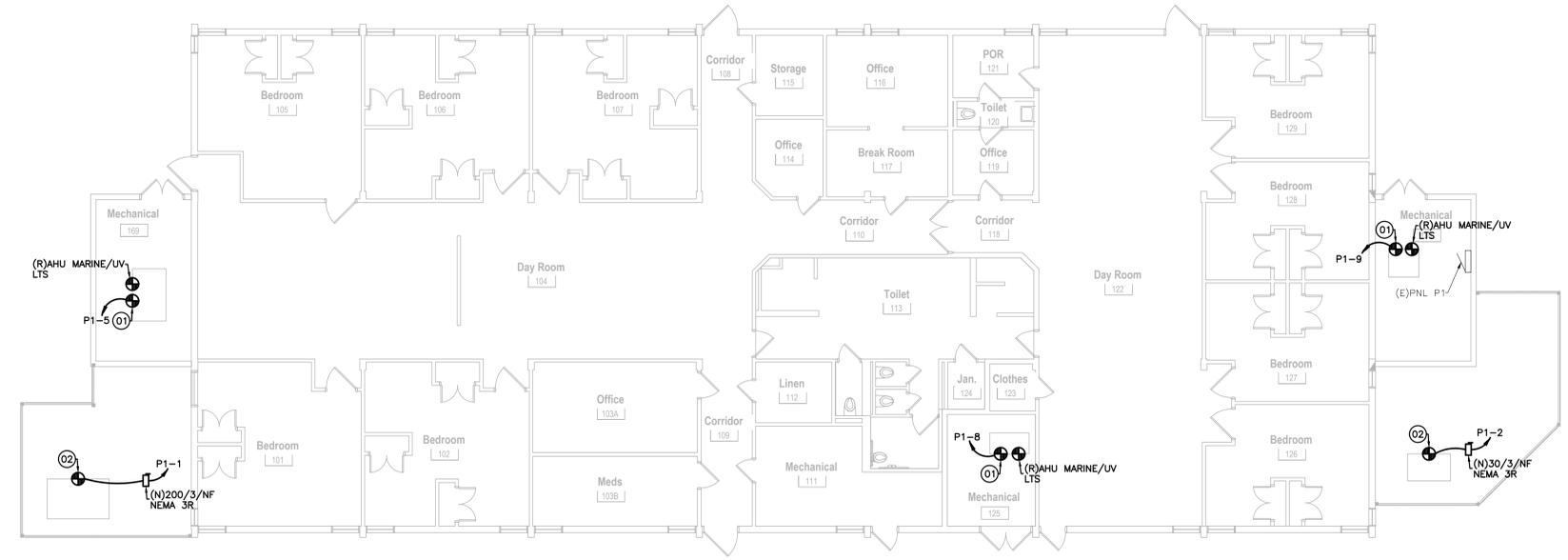
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01 - RENOVATION PLAN - BUILDING 523 - ELECTRICAL

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



01 - RENOVATION PLAN - BUILDING 524 - ELECTRICAL

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

RENOVATION LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING TO REMAIN "(E)"
---	RELOCATED "(R)"
---	NEW CONSTRUCTION

GENERAL EQUIPMENT POWER NOTES

- REFER TO THE GENERAL NOTES ON THE INFORMATION SHEET FOR ADDITIONAL INFORMATION.
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- REFER TO THE MECHANICAL AND/OR PLUMBING PLANS FOR EXACT EQUIPMENT LOCATIONS. EQUIPMENT LOCATIONS SHOWN ON THE ELECTRICAL PLANS ARE FOR REFERENCE ONLY.
- ALL PANELBOARDS ARE EXISTING TO REMAIN UNLESS INDICATED OTHERWISE.
- PROVIDE PERMANENT AFFIXED NAMEPLATES ON ALL ELECTRICAL EQUIPMENT ENCLOSURES OR HOUSINGS THAT ARE PART OF THE SCOPE OF WORK UNLESS NOTED OTHERWISE.
- ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED PER THE NEC REQUIRED CLEARANCES. THE WORKING/SPACE CLEARANCES SHALL BE AT A MINIMUM OF 4FT. IN FRONT OF THE EQUIPMENT AND 6FT. ABOVE (OR AS INDICATED PER THE NEC) PRIOR TO THE ELECTRICAL CONTRACTOR BID PROCESS. VERIFY THAT ALL ELECTRICAL CLEARANCES ARE MET BY OBTAINING THE EQUIPMENT DIMENSIONS FROM THE MANUFACTURER AND GRAPHICALLY POSITION SCALED EQUIPMENT FIGURES INTO THE ELECTRICAL ROOMS DRAWINGS AND OTHER AREAS. CONSIDER ALL CEILING HEIGHT LIMITATIONS. PRIOR TO THE START OF ANY CONSTRUCTION, NOTIFY THE ENGINEER IN A WRITTEN MANNER IF ANY DISCREPANCIES ARE FOUND.
- COORDINATE ANY ROOF PENETRATION WITH OTHER TRADES. ALL ROOF PENETRATIONS SHALL BE PROPERLY SEALED IN ORDER TO PREVENT WATER LEAKAGE.
- COORDINATE THE LOCATION, MOUNTING HEIGHT, AND ORIENTATION OF ALL ELECTRICAL DEVICES AND OUTLETS WITH ALL OTHER TRADES PRIOR TO ROUGH-IN AND/OR INSTALLATION.
- REFER TO THE MECHANICAL DRAWINGS TO VERIFY EQUIPMENT REQUIRING SINGLE POINT CONNECTION. IF SINGLE POINT CONNECTION IS PRESENT, CONFIRM EXACT LOCATION OF CONNECTION WITH MANUFACTURER.
- ALL DISCONNECT LOCATIONS MAY NOT BE SHOWN ON THE ELECTRICAL PLANS. HOWEVER, THE CONTRACTOR SHALL PROVIDE A LOCAL DISCONNECTING MEANS FOR EACH PIECE OF EQUIPMENT REGARDLESS IF A DISCONNECT IS SHOWN ON THE PLANS. ALL DISCONNECTS SHALL BE INSTALLED PER NEC, WITHIN SIGHT AND NOT MORE THAN 30 FT. AWAY FROM THE EQUIPMENT THEY SERVE. INSTALL DISCONNECTS ON THE EQUIPMENT FOR ALL EQUIPMENT LOCATED ABOVE THE FLOOR CEILING. ALL MANUAL MOTOR SWITCHES SHALL BE INSTALLED ON THE EQUIPMENT. ALL OTHER DISCONNECTS SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE EQUIPMENT IT SERVES. IF AN EQUIPMENT DISCONNECT IS NOT SHOWN ON THE ELECTRICAL PLANS, THE EXACT LOCATION SHALL BE FIELD VERIFIED AND INSTALLED PER THE REQUIREMENTS MENTIONED ABOVE. IF APPLICABLE, VFD'S MAY SERVE AS A LOCAL DISCONNECTING MEANS ONLY IF THEY CAN BE EXTERNALLY POWERED OFF (VFD WITH AN OFF HANDLE) AND INSTALLED PER NEC.
- FOR ALL EXTERIOR LOCATED EQUIPMENT, PROVIDE A NEW UNISTRUT RACK NEXT TO THE EQUIPMENT UNLESS INDICATED OTHERWISE OR IF DISCONNECT IS MOUNTED ON THE EQUIPMENT. MOUNT THE DISCONNECT ON THE NEW UNISTRUT RACK. PROPERLY SEAL ALL ROOF PENETRATIONS AS NEEDED. DISCONNECT HOUSING SHALL BE NEMA 3R RATED.
- THE WIRING BETWEEN EQUIPMENT SHALL INDICATE THAT THE CONNECTED EQUIPMENT SHARE A COMMON CIRCUIT BREAKER. REFER TO THE EQUIPMENT CONNECTION SCHEDULE FOR THE CIRCUIT BREAKER SIZE, CONDUCTOR SIZE, AND PANEL SOURCE IDENTIFICATION. THE CIRCUIT HOMERUN TO THE PANEL OR SUPPLY SOURCE SHALL BE MADE FROM THE MIDDLE OF THE CONNECTED EQUIPMENT, AS TO MINIMIZE THE VOLTAGE DROP. THE EQUIPMENT SHALL BE WIRED IN A MANNER IN WHICH EACH PIECE OF EQUIPMENT CAN BE DISCONNECTED INDEPENDENTLY FROM THE CIRCUIT WITHOUT AFFECTING ANY DOWNSTREAM OR UPSTREAM CONNECTED DEVICES/EQUIPMENT.
- ALL STARTER AND/OR VFD LOCATIONS MAY NOT BE SHOWN ON THE ELECTRICAL PLANS. HOWEVER, THE CONTRACTOR SHALL PROVIDE ALL STARTERS AND/OR VFD'S AS REQUIRED BY THE CONTRACT DOCUMENTS. REFER TO THE EQUIPMENT ELECTRICAL CONNECTION SCHEDULE. ALL STARTERS AND VFD'S SHALL BE INSTALLED PER NEC, WITHIN SIGHT AND NOT MORE THAN 30 FT. AWAY FROM THE EQUIPMENT THEY SERVE UNLESS SHOWN OTHERWISE. IF A STARTER OR VFD IS NOT SHOWN ON THE ELECTRICAL PLANS, THE EXACT LOCATION SHALL BE FIELD VERIFIED AND INSTALLED PER THE REQUIREMENTS MENTIONED ABOVE.
- REFER TO THE MECHANICAL PLANS AND VERIFY WHICH EQUIPMENT REQUIRES A BAS CONNECTION. PROVIDE ALL NEW NECESSARY WIRING, CONDUIT, CONNECTIONS, AND TERMINATIONS FROM THE EQUIPMENT TO THE BUILDING AUTOMATION SYSTEM CONTROL PANEL. ALL WIRING SHALL BE IN CONDUIT.
- DO NOT PENETRATE ANY EQUIPMENT UNIT HOUSINGS. PENETRATIONS SHALL ONLY BE ALLOWED IF MADE INTO THE EQUIPMENT MANUFACTURER'S PROVIDED KNOCK-OUTS OR OPENINGS.

EQUIPMENT POWER KEYED NOTES

- (01) PROVIDE POWER CONNECTION TO AHU VIA PROVIDED VFD. VERIFY AND COORDINATE REQUIREMENTS.
- (02) PROVIDE POWER CONNECTION TO CONDENSING UNIT. VERIFY AND COORDINATE REQUIREMENTS.



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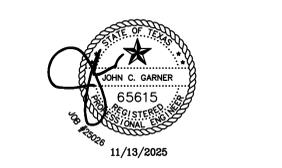


COMMISSION NAME
Texas Health & Human Services Commission New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL



Lufkin State Supported Living Center
 6844 US-60
 Pollok, TX 75969

REVIEW STAMP AREA



No.	Date	Description
	11/13/2025	ISSUE FOR CONSTRUCTION

REVISION TITLE
RENOVATION PLANS - BUILDINGS 523 AND 524 - ELECTRICAL

THREE DESIGN LLC COMMISSION NO. 225-003

PRINT DATE / TIME
E.202

ELECTRICAL RELEASE NOTICE: THESE PLANS ARE THE PROPERTY OF GARNER-FRITSCH ENGINEERING, INC. ANY REPRODUCTION OR DISTRIBUTION OF THESE PLANS WITHOUT THE WRITTEN PERMISSION OF GARNER-FRITSCH ENGINEERING, INC. IS STRICTLY PROHIBITED. THE USER OF THESE PLANS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. GARNER-FRITSCH ENGINEERING, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE OR INJURY RESULTING FROM THE USE OF THESE PLANS.

RENOVATION LEGEND	
SYMBOL	DESCRIPTION
—	EXISTING TO REMAIN (E)
—	NEW CONSTRUCTION (N)
⊕	CONNECT AT THIS POINT NEW (N)

- KEYED NOTES**
- 01 CONNECT TO EXISTING PIPING FROM REGULATOR. DOWNSIZE AS REQUIRED TO 1".
 - 02 CONNECT TO EXISTING PIPING FROM ROOF PENETRATION. DOWNSIZE AS REQUIRED TO 1".
 - 03 MAKE FINAL 3/4" CONNECTION TO UNIT AS REQUIRED BY MANUFACTURER.
 - 04 UTILIZE EXISTING OR PROVIDE ADDITIONAL SUPPORTS FROM ROOF FOR NEW NATURAL GAS PIPING. LOCATE AND ROUTE NATURAL GAS PIPING SO AS TO ALLOW FOR REMOVAL OF ACCESS PANELS.
 - 05 EXISTING/NEW UNIT IS CLOSER TO EDGE OF ROOF THAN SHOWN ON DRAWING.
 - 06 VERIFY PIPE SIZE AND CONNECT TO EXISTING.

DEMOLITION LEGEND	
SYMBOL	DESCRIPTION
—	EXISTING TO REMAIN (E)
—	EXISTING TO BE REMOVED (D)
⊕	DEMO TO THIS POINT (D)
⊕	CONNECT AT THIS POINT NEW (N)

- KEYED NOTES**
- 01 EXISTING REGULATOR TO REMAIN. REMOVE DOWNSTREAM PIPING TO EXISTING UNIT AS SHOWN. PREPARE FOR FUTURE CONNECTION.
 - 02 REWORK EXISTING PIPING AS REQUIRED FOR NEW ACCESS PANELS.
 - 03 EXISTING/NEW UNIT IS CLOSER TO EDGE OF ROOF THAN SHOWN ON DRAWING.
 - 04 REMOVE EXISTING NATURAL GAS PIPING BACK TO ROOF PENETRATION.

MEP



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COMMISSION NAME
Texas Health & Human Services Commission New HVAC Units at Buildings 506, 523 and 524. Project NO. 25-107-LFL



Lufkin State Supported Living Center
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 Pollok, TX 75969

REVIEW STAMP AREA



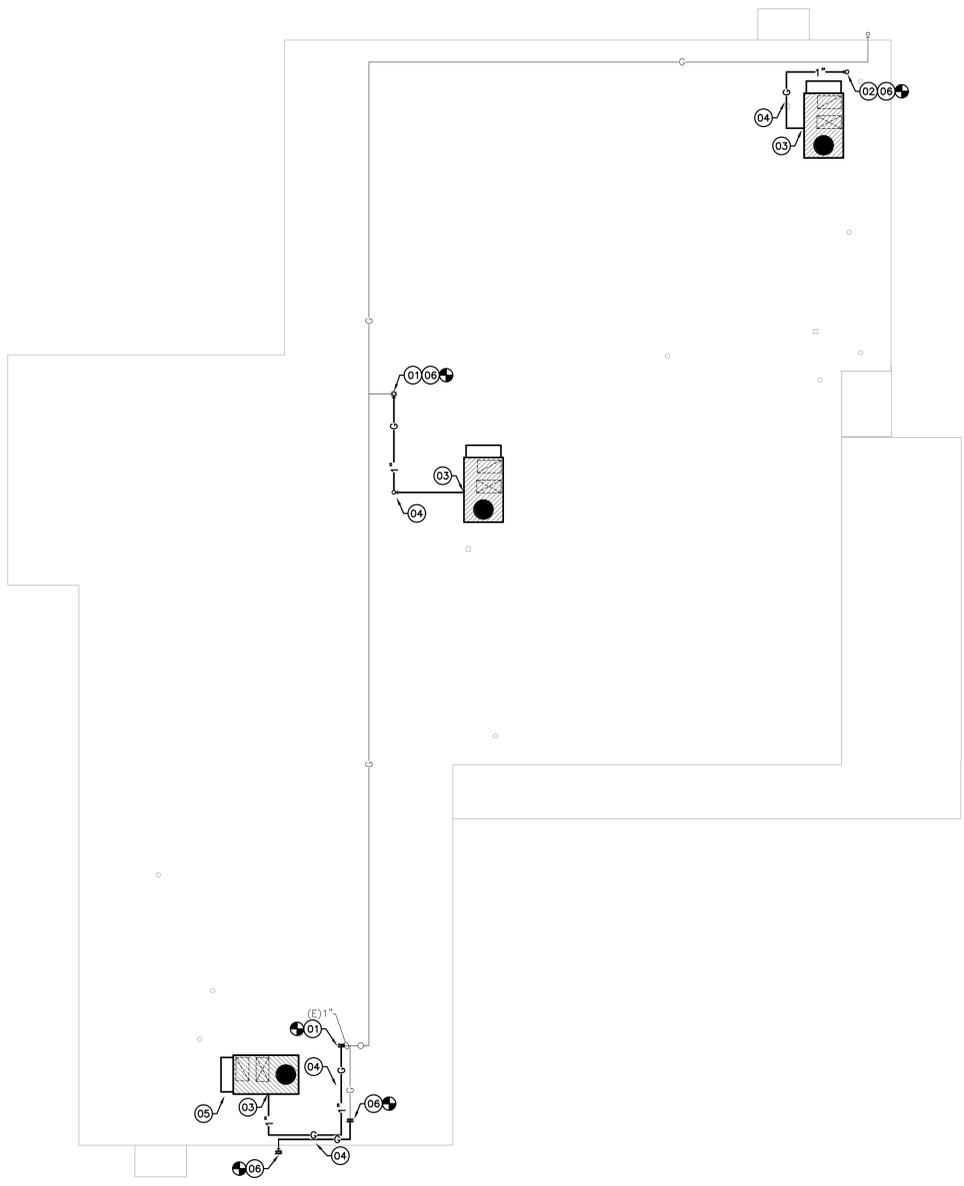
ISSUES

No.	Date	Description
1	11/13/2025	ISSUE FOR CONSTRUCTION

SHEET TITLE
DEMO & RENO ROOF PLANS - BUILDING 506 - PLUMBING

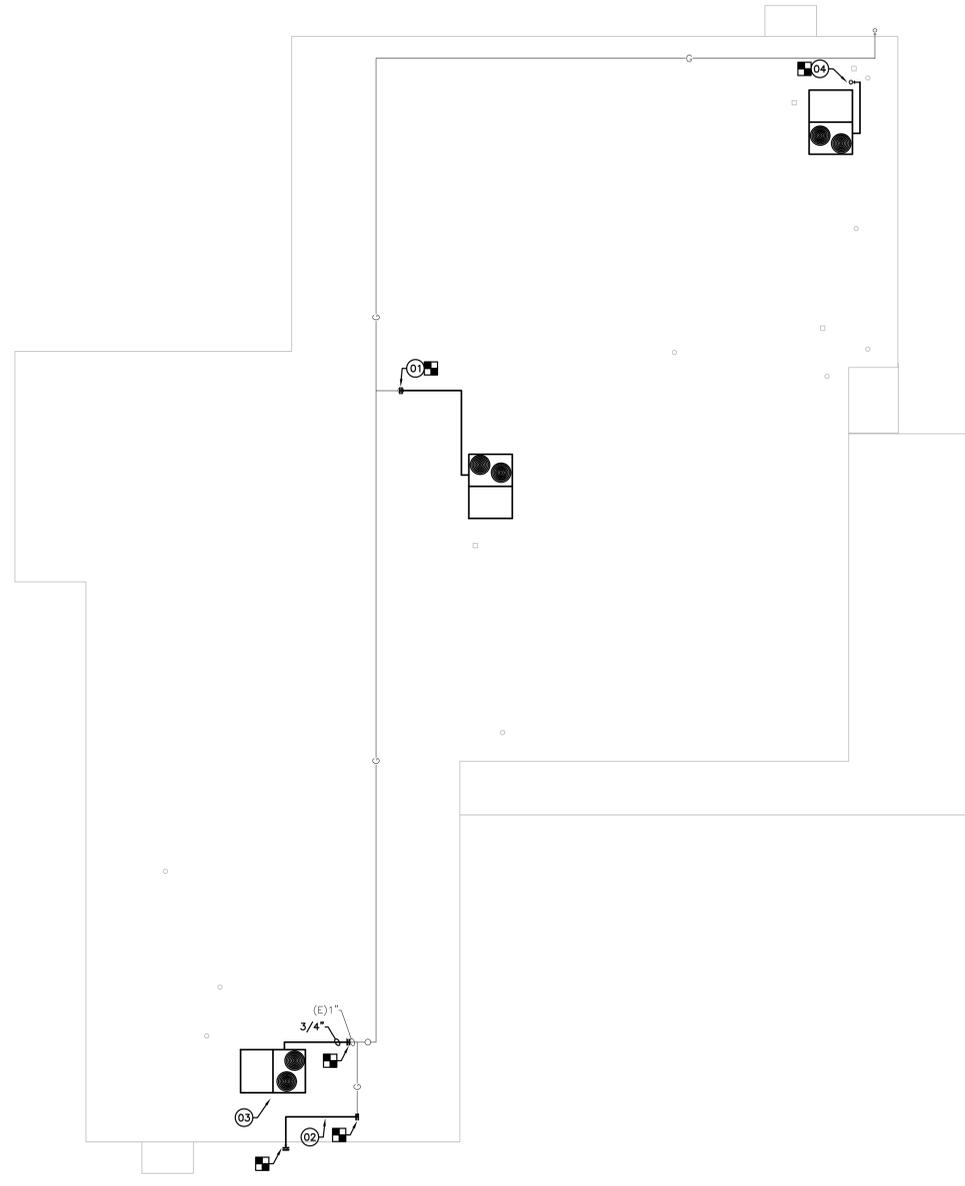
THRE3 DESIGN LLC COMMISSION NO. 225-003

PRINT DATE / TIME
P.101



02 - RENOVATION ROOF PLAN - BUILDING 506 - PLUMBING

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



01 - DEMOLITION ROOF PLAN - BUILDING 506 - PLUMBING

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

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