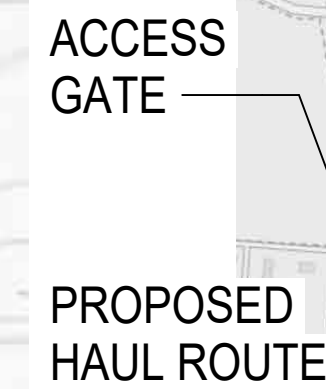


06 August 2026
W912QR26BA021

US Army Corps
of Engineers®



The map displays the project area in St. Louis, Missouri, centered around the intersection of E 5th Ave and N 1st St. The project site is highlighted with a dashed black rectangle, and the area of construction is indicated by a hatched rectangle within the project site. The map shows various streets, including E 5th Ave, E 6th Ave, E 7th Ave, E 8th Ave, E 9th Ave, E 10th Ave, E 11th Ave, E 12th Ave, E 13th Ave, E 14th Ave, E 15th Ave, E 16th Ave, E 17th Ave, E 18th Ave, E 19th Ave, E 20th Ave, E 21st Ave, E 22nd Ave, E 23rd Ave, E 24th Ave, E 25th Ave, E 26th Ave, E 27th Ave, E 28th Ave, E 29th Ave, E 30th Ave, E 31st Ave, E 32nd Ave, E 33rd Ave, E 34th Ave, E 35th Ave, E 36th Ave, E 37th Ave, E 38th Ave, E 39th Ave, E 40th Ave, E 41st Ave, E 42nd Ave, E 43rd Ave, E 44th Ave, E 45th Ave, E 46th Ave, E 47th Ave, E 48th Ave, E 49th Ave, E 50th Ave, E 51st Ave, E 52nd Ave, E 53rd Ave, E 54th Ave, E 55th Ave, E 56th Ave, E 57th Ave, E 58th Ave, E 59th Ave, E 60th Ave, E 61st Ave, E 62nd Ave, E 63rd Ave, E 64th Ave, E 65th Ave, E 66th Ave, E 67th Ave, E 68th Ave, E 69th Ave, E 70th Ave, E 71st Ave, E 72nd Ave, E 73rd Ave, E 74th Ave, E 75th Ave, E 76th Ave, E 77th Ave, E 78th Ave, E 79th Ave, E 80th Ave, E 81st Ave, E 82nd Ave, E 83rd Ave, E 84th Ave, E 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The map shows the University of Maryland Medical Center campus. Key locations include:

- BLDG 30 DLA** (Diagnostic Services): A new building indicated by a dashed rectangle.
- BLDG 30** (Diagnostic Imaging Building): An existing building indicated by a hatched rectangle.
- BLDG 30A** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30B** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30C** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30D** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30E** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30F** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30G** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30H** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30I** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30J** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30K** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30L** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30M** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30N** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30O** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30P** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30Q** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30R** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30S** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30T** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30U** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30V** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30W** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30X** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30Y** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.
- BLDG 30Z** (Diagnostic Imaging Building): An existing building indicated by a solid rectangle.

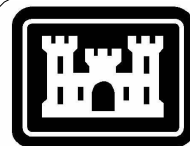
— PROPOSED LAYDOWN AREA.

— PROJECT SITE

COLUMBUS, OHIO
DSCC DLA REPAIR BUILDING 27
25-25126-00

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**US Army Corps
of Engineers ®**

[illegible]

US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY: E.E.	ISSUE DATE: March 13, 2026
	DRAWN BY: E.E.	SOLICITATION NO.:
	CHECKED BY: E.E.	CONTRACT NO.:
	SUBMITTED BY: A.B.	
	APPROVED: ANSID	

COLUMBUS, OHIO
DSCC DLA REPAIR BUILDING 27
25-25126-00
SHEET INDEX

SHEET ID

GI001

Autodesk Docs//25-25126-00 DLA DSCC Bldg. 27 RE PF Remod/25-25126-00_DLA DSCC Bldg. 27 RE PF Remod_AR_2024.rvt

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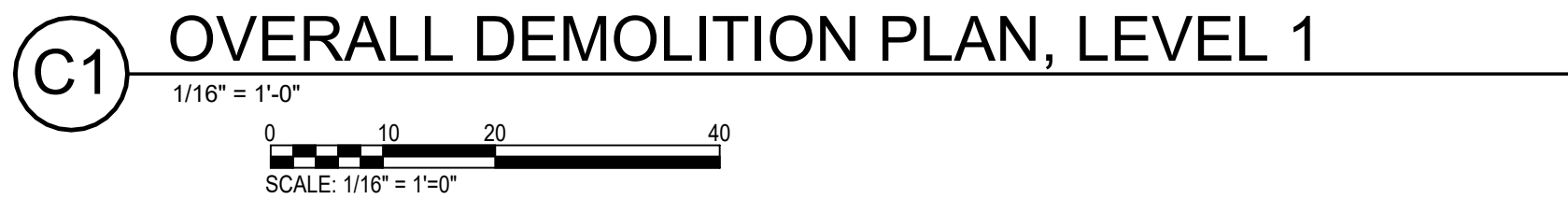
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DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS.

A. COORDINATE ALL DEMOLITION AND PHASING EFFORTS WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR). EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION OF OCCUPANT'S OPERATIONS. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR). IN ALL CASES, PROVISIONS SHALL BE MADE FOR USER'S SAFETY.

B. COORDINATE ANY DISRUPTION OF UTILITY SERVICES WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR) AND AS SPECIFIED.

C. CONSTRUCT TEMPORARY CONSTRUCTION PARTITIONS WITHIN THE EXISTING BUILDING WHICH OFFER A ONE-HOUR ENCLOSURE TO ISOLATE ANY DEMOLITION/CONSTRUCTION WORK FROM THE GENERAL PUBLIC AND AS DEMED NECESSARY BY THE CONTRACTING OFFICER REPRESENTATIVE (COR) AND CODE OFFICIAL HAVING JURISDICTION. COORDINATE LOCATIONS WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR) AND MAINTAIN MEANS OF EGRESS THROUGHOUT THE WORK.

D. MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT ALL TIMES.

E. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE CONTRACTING OFFICER REPRESENTATIVE (COR) OF ANY DISCREPANCIES.

F. REMOVE IN THEIR ENTIRETY ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, CEILINGS, SOFFITS, WALL FIXTURES, AND OTHER ITEMS, AS REQUIRED TO EXECUTE THE DEMOLITION/CONSTRUCTION WORK DESCRIBED BY THE DRAWINGS.

G. PROVIDE PROTECTION FOR ALL EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT. REMOVE AND REPAIR DAMAGE TO EXISTING BUILDING MATERIALS OR EQUIPMENT TO MATCH EXISTING FINISH AND/OR CONDITION.

H. EXISTING MATERIALS SHALL BE REUSED IN ANY INSTANCE DISPOSE OF EXISTING DEMOLISHED MATERIALS AS PER SPECIFICATIONS.

J. VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF THEIR SERVICE.

K. PATCH FLOOR, WALL AND CEILING PENETRATIONS RESULTING FROM REMOVAL OR RE-ROUTING OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, AND OTHER ITEMS, AS REQUIRED TO MAINTAIN FIRE-RESISTANCE-RATED SEPARATIONS. FINISH AS REQUIRED FOR NEW OR EXISTING ADJACENT SURFACES.

L. CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.

M. SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.

N. IF EXISTING WALLS ARE INDICATED TO BE REMOVED, ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY SAWCUTTING AND OR REMOVING CMU IN TOOTH-IN PATTERN BOTH SIDES OF DEMOLITION FOR CONTRACTOR TO TOOTH-IN NEW CMU PATCHES AS NEEDED.

O. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.

P. COORDINATE WITH HAZARDOUS ABATEMENT SHEETS AND REPORT BEFORE ANY DEMOLITION TAKES PLACE.



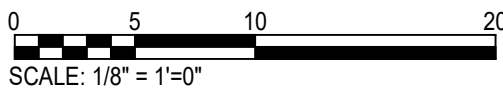
US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY:	ISSUE DATE:
	E.E.	March 13, 2026
	DRAWN BY:	SOLICITATION NO.:
	E.E.	
	CHECKED BY:	CONTRACT NO.:
	RIGHTS:	
	SUBMITTED BY:	
	A.P.	
	SIZE:	
	ANSI/D	

COLUMBUS, OHIO
DSCC DLA REPAIR BUILDING 27
25-25126-00

DEMOLITION PLAN OVERALL

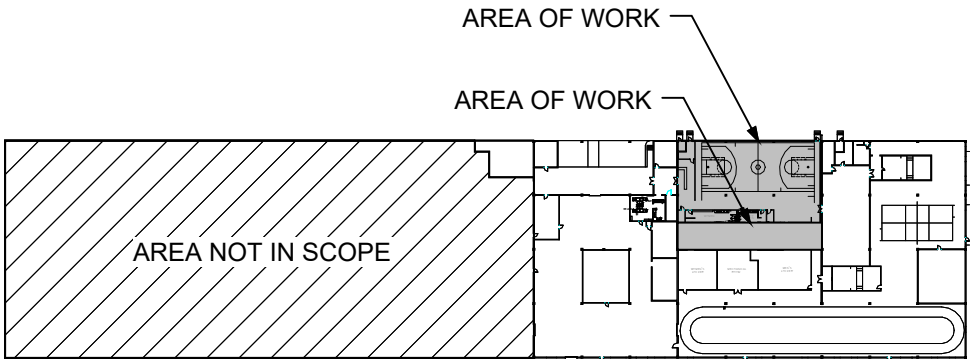
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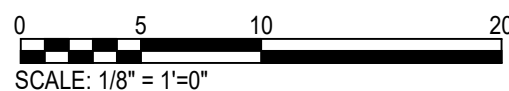
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- 1 EXISTING OVERHEAD COILING DOOR TO BE REMOVED. REMOVE ALL COMPONENTS ASSOCIATED WITH EXISTING DOOR AND PREPARE OPENING FOR NEW COMPONENT TO BE INSTALLED AS PER SCHEDULE.
- 2 EXISTING EXTERIOR DOOR AND FRAME TO BE REMOVED. REMOVE ALL COMPONENTS ASSOCIATED WITH EXISTING DOOR AND PREPARE OPENING FOR NEW COMPONENT TO BE INSTALLED AS PER SCHEDULE.
- 3 EXISTING EXTERIOR WINDOW TO BE REMOVED. REMOVE ALL COMPONENTS ASSOCIATED WITH EXISTING WINDOW AND PREPARE OPENING FOR NEW COMPONENT TO BE INSTALLED AS PER SCHEDULE.
- 4 EXISTING EXTERIOR LOUVER TO BE REMOVED. REMOVE ALL COMPONENTS ASSOCIATED WITH EXISTING LOUVER AND PREPARE OPENING TO BE FILLED AS PER STRUCTURAL DETAILS.
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- 7 EXISTING OVERHEAD DOOR TO REMAIN IN PLACE.
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- 11 EXISTING WALL AND WALL MOUNTED ITEMS TO BE REMOVED. VERIFY DIMENSIONS ON SITE.
- 12 EXISTING VIEWING WINDOW INTO RACQUET BALL COURT TO BE REMOVED.
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- 14 EXISTING RACQUET BALL HARD CEILING TO BE REMOVED. RE: MEP DRAWINGS FOR ADDITIONAL INFORMATION.
- 15 NEW DOOR OPENING FOR NEW ACCESS DOOR TO RACQUET BALL COURT.
- 16 DIMENSION TO BE VERIFIED IN FIELD. APPROXIMATE BASED ON EXISTING DOCUMENTS.
- 17 EXISTING SUSPENDED ACOUSTICAL CEILING SYSTEM TO BE REMOVED. RE: MEP FOR ADDITIONAL INFORMATION.
- 18 EXISTING FLOORING TO BE REMOVED TO CONCRETE SLAB. PREPARE EXISTING SLAB FOR NEW FLOORING AS PER FINISH SCHEDULE.
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- 22 EXISTING ELECTRICAL CLOSET TO REMAIN IN PLACE. PROTECT DURING DEMOLITION.
- 23 EXISTING FLOORING DECK TO BE REMOVED. JOIST TO REMAIN IN PLACE.
- 24 REMOVE ALL DEBRIS LEFT OUT FROM MECHANICAL AND ELECTRICAL DEMOLITION WORK LEFT BEHIND INCLUDING BUT NOT LIMITED TO FASTENERS, HANGERS, METAL PANS, ETC.
- 25 REMOVE EXISTING ACCESS LADDER AND ALL ASSOCIATED HARDWARE. PATCH HOLES AND REPAINT WALLS AS NEEDED. PATCH AND CLEAN UP FLOOR TO MATCH EXISTING.
- 26 EXISTING METAL CAGE TO BE REMOVED. PATCH ALL HOLES, AND REPAIR ANY OTHER DAMAGES AROUND THE WINDOW OPENING TO MATCH ADJACENT WALLS.
- 27 EXISTING FAN CAGE TO BE REMOVED. REMOVE ALL COMPONENTS ASSOCIATED WITH EXISTING FAN INCLUDING THE CAGE AND PREPARE OPENING TO BE FILLED AS PER STRUCTURAL DETAILS. RE: MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.
- 28 REMOVE EXISTING VINYL FLOORING AND PREPARE SUBSTRATE FOR INSTALLATION OF NEW VINYL FLOORING.
- 29 SAW CUT BRICK BELOW THE EXISTING WINDOW TO EXTEND THE EXISTING OPENING TO THE FLOOR, CLEAN AND PREPARE TO RECEIVE NEW BLOCK NEW HM DOOR AND FRAME.

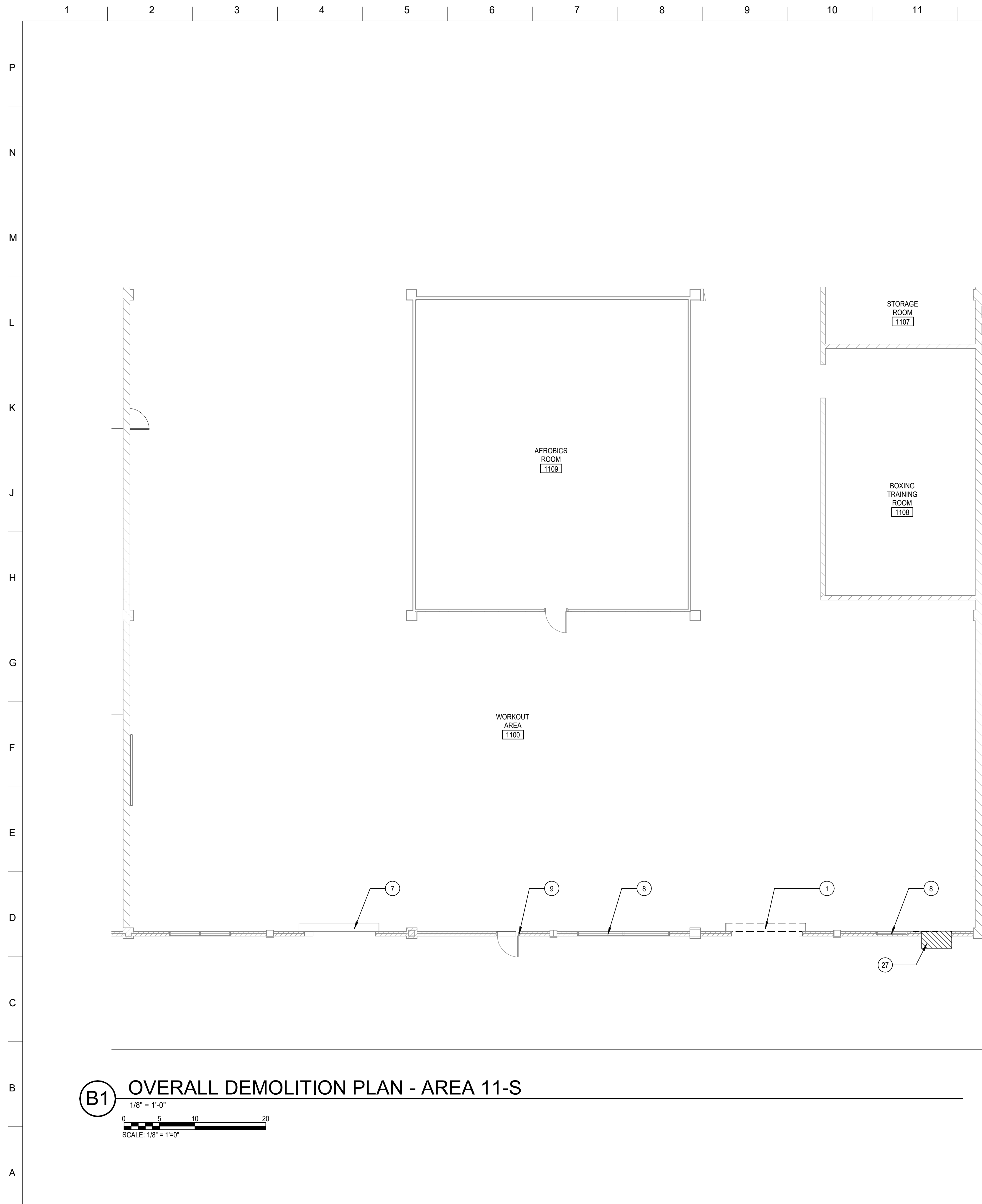






SCALE: N.T.S.





DEMOLITION GENERAL NOTES

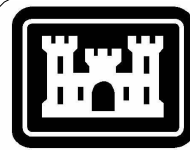
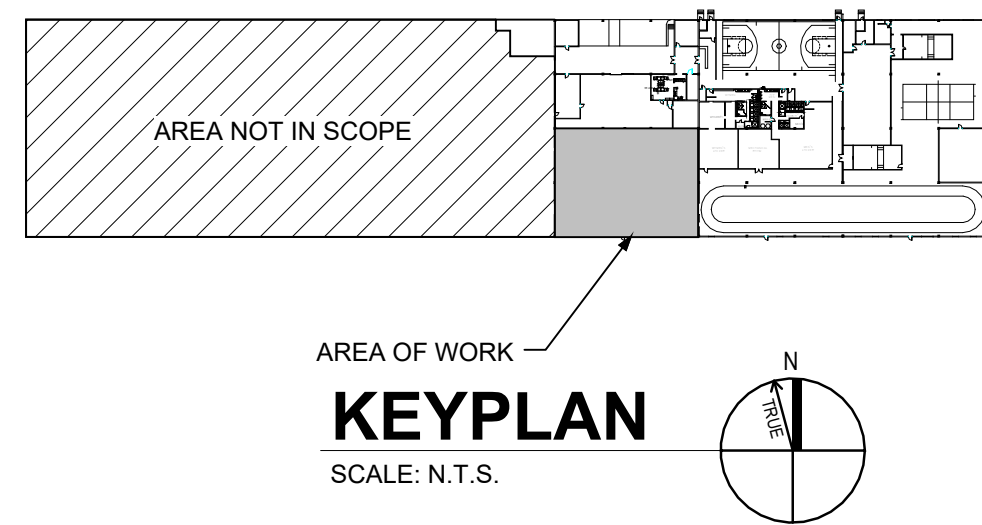
DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS.

THE CONTRACTOR SHALL:

- A. COORDINATE ALL DEMOLITION AND PHASING EFFORTS WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR). EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION OF OCCUPANT'S OPERATIONS. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR). IN ALL CASES, PROVISIONS SHALL BE MADE FOR USER'S SAFETY.
- B. COORDINATE ANY DISRUPTION OF UTILITY SERVICES WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR) AND AS SPECIFIED.
- C. COORDINATE ANY DISRUPTION OF CONSTRUCTION PARTITIONS WITHIN THE EXISTING BUILDING WHICH OFFER A ONE-HOUR ENCLOSURE TO ISOLATE ANY DEMOLITION/CONSTRUCTION WORK FROM THE GENERAL PUBLIC AND AS DEEMED NECESSARY BY THE CONTRACTING OFFICER REPRESENTATIVE (COR) AND CODE OFFICIAL HAVING JURISDICTION. COORDINATE LOCATIONS WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR) AND MAINTAIN MEANS OF EGRESS THROUGHOUT THE WORK.
- D. MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT ALL TIMES.
- E. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE CONTRACTING OFFICER REPRESENTATIVE (COR) OF ANY DISCREPANCIES.
- F. REMOVE IN THEIR ENTIRETY ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, CEILINGS, SOFFITS, WALL FIXTURES, AND OTHER ITEMS, AS REQUIRED TO EXECUTE THE DEMOLITION/CONSTRUCTION WORK DESCRIBED BY THE DRAWINGS.
- G. REMOVE TO THE EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
- H. REPAIR OR REPLACE ITEMS THAT ARE DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
- I. NO EXISTING MATERIALS SHALL BE REUSED IN ANY INSTANCE. DISPOSE OF EXISTING DEMOLISHED MATERIALS AS PER SPECIFICATIONS.
- J. VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF THEIR SERVICE.
- K. PATCH FLOOR, WALL AND CEILING PENETRATIONS RESULTING FROM REMOVAL OR RE-ROUTING OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, AND OTHER ITEMS, AS REQUIRED TO MAINTAIN FIRE-RESISTANCE-RATED SEPARATIONS. FINISH AS REQUIRED FOR NEW OR EXISTING ADJACENT SURFACES.
- L. CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
- M. REMOVE ALL MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
- N. WHERE CMU WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY SAWCUTTING AND/OR REMOVING CMU IN TOOTH-IN PATTERN BOTH SIDES OF DEMOLITION FOR CONTRACTOR TO TOOTH-IN NEW CMU PATCHES AS NEEDED.
- O. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
- P. COORDINATE WITH HAZARDOUS ABATEMENT SHEETS AND REPORT BEFORE ANY DEMOLITION TAKES PLACE.

DEMO SHEET NOTES

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- 2 EXISTING EXTERIOR DOOR AND FRAME TO BE REMOVED. REMOVE ALL COMPONENTS ASSOCIATED WITH EXISTING DOOR AND PREPARE OPENING FOR NEW COMPONENT TO BE INSTALLED AS PER SCHEDULE.
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- 10 EXISTING GLASS WALL TO BE REMOVED. REMOVE ALL FASTENERS AND BRACKETS IN PREPARATION TO INSTALL A NEW METAL STUD WALL AS PER PLANS. CONFIRM WITH OWNER FOR SALVAGED ITEMS.
- 11 EXISTING WALL AND WALL MOUNTED ITEMS TO BE REMOVED. VERIFY DIMENSIONS ON SITE.
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**US Army Corps
of Engineers®**

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US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY:	ISSUE DATE:
	E.E.	March 13, 2026
	DRAWN BY:	SOLICITATION NO.:
	CHECKED BY:	CONTRACT NO.:
	E.B.	
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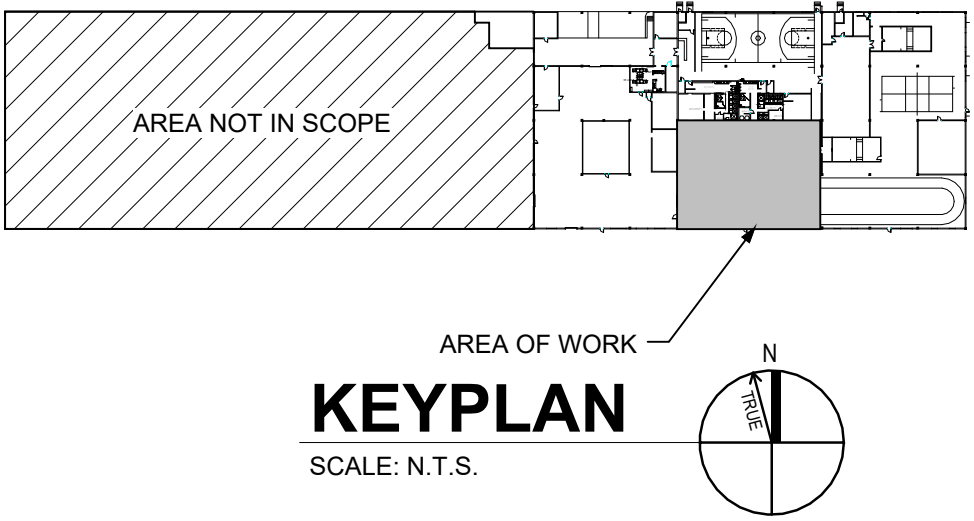
COLUMBUS, OHIO
DSCC DLA REPAIR BUILDING 27
25-25126-00
DEMOLITION PLAN - AREA 11S

DEMOLITION PLAN - AREA 11S

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SHEET ID

AD105



DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS.

THE CONTRACTOR SHALL:

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- B. COORDINATE ANY DISRUPTION OF UTILITY SERVICES WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR) AND AS SPECIFIED.
- C. PATCH AND REPAIR ALL DEMOLITION PATCHES WITHIN 10 DAYS OF COMPLETION OF DEMOLITION. PATCHES SHALL BE MADE TO ISOLATE ANY DEMOLITION/CONSTRUCTION WORK FROM THE GENERAL PUBLIC AND AS DEEMED NECESSARY BY THE CONTRACTING OFFICER REPRESENTATIVE (COR) AND CODE OFFICIAL HAVING JURISDICTION. COORDINATE LOCATIONS WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR) AND MAINTAIN MEANS OF EGRESS THROUGHOUT THE WORK.
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- G. PATCH AND REPAIR ALL EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
- H. REMOVE OR REPLACE ITEMS THAT ARE DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
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- L. CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
- M. SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
- N. PATCH WALLS ARE INDICATED TO BE REMOVED TO REPAIR ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY SAWCUTTING AND OR REMOVING CMU IN TOOTH-IN PATTERN BOTH SIDES OF DEMOLITION FOR CONTRACTOR TO TIE-IN NEW CMU PATCHES AS NEEDED.
- O. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
- P. COORDINATE WITH HAZARDOUS ABATEMENT SHEETS AND REPORT BEFORE ANY DEMOLITION TAKES PLACE.

EXISTING OVERHEAD COILING DOOR TO BE REMOVED. REMOVE ALL COMPONENTS ASSOCIATED WITH EXISTING DOOR AND PREPARE OPENING FOR NEW COMPONENT TO BE INSTALLED AS PER SCHEDULE.

EXISTING EXTERIOR DOOR AND FRAME TO BE REMOVED. REMOVE ALL COMPONENTS ASSOCIATED WITH EXISTING DOOR AND PREPARE OPENING FOR NEW COMPONENT TO BE INSTALLED AS PER SCHEDULE.

EXISTING EXTERIOR WINDOW TO BE REMOVED. REMOVE ALL COMPONENTS ASSOCIATED WITH EXISTING WINDOW AND PREPARE OPENING FOR NEW COMPONENT TO BE INSTALLED AS PER SCHEDULE.

EXISTING EXTERIOR LOUVER TO BE REMOVED. REMOVE ALL COMPONENTS ASSOCIATED WITH EXISTING LOUVER AND PREPARE OPENING TO BE FILLED AS PER STRUCTURAL DETAILS.

EXISTING INTERIOR DOOR AND FRAME TO BE REMOVED.

INCREASE ROUGH OPENING SIZE TO ACCOMMODATE A NEW PAIR 3-0 DOORS.

EXISTING OVERHEAD DOOR TO REMAIN IN PLACE.

EXISTING WINDOW TO REMAIN IN PLACE.

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EXISTING GLASS WALL TO BE REMOVED. REMOVE ALL FASTENERS AND BRACKETS IN PREPARATION TO INSTALL A NEW METAL STUD WALL AS PER PLANS. CONFIRM WITH OWNER FOR SALVAGED ITEMS.

EXISTING WALL AND WALL MOUNTED ITEMS TO BE REMOVED. VERIFY DIMENSIONS ON SITE.

EXISTING VIEWING WINDOW INTO RACQUET BALL COURT TO BE REMOVED.

EXISTING RACQUET BALL FLOORING TO BE REMOVED TO CONCRETE SLAB. PREPARE CONCRETE SLAB TO RECEIVE NEW FLOORING AS PER FINISH SCHEDULE.

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DIMENSION TO BE VERIFIED IN FIELD. APPROXIMATE BASED ON EXISTING DOCUMENTS.

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EXISTING FLOORING TO BE REMOVED TO CONCRETE SLAB. PREPARE EXISTING SLAB FOR NEW FLOORING AS PER FINISH SCHEDULE.

EXISTING WALL PADDING TO BE REMOVED.

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EXISTING LADDER TO MEZZANINE TO BE REMOVED WITH ALL COMPONENTS, INCLUDING BUT NOT LIMITED TO FASTENERS, BRACKETS, ETC. REPAIR WALL, PATCH HOLES, REPAIR FLOORING AND REFINISH WALL AND FLOOR TO MATCH ADJACENT.

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EXISTING FLOORING DECK TO BE REMOVED. JOIST TO REMAIN IN PLACE.

REMOVE ALL DEBRIS LEFT OUT FROM MECHANICAL AND ELECTRICAL DEMOLITION WORK LEFT BEHIND INCLUDING BUT NOT LIMITED TO FASTENERS, HANGERS, METAL PANS, ETC.

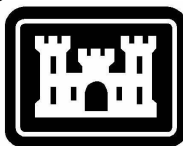
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EXISTING METAL CAGE TO BE REMOVED. PATCH ALL HOLES, AND REPAIR ANY OTHER DAMAGES AROUND THE WINDOW OPENING TO MATCH ADJACENT WALLS.

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REMOVE EXISTING VINYL FLOORING AND PREPARE SUBSTRATE FOR INSTALLATION OF NEW VINYL FLOORING.

SAW CUT BRICK BELOW THE EXISTING WINDOW TO EXTEND THE EXISTING OPENINGS TO THE FLOOR. CLEAN AND PREPARE TO RECEIVE NEW BLOCK NEW HM DOW AND FRAME.



**US Army Corps
of Engineers®**

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US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY:	ISSUE DATE:
	DRAWN BY:	March 13, 2026
	CHECKED BY:	SOLICITATION NO.:
	E.B.	CONTRACT NO.:
	SUBMITTED BY:	
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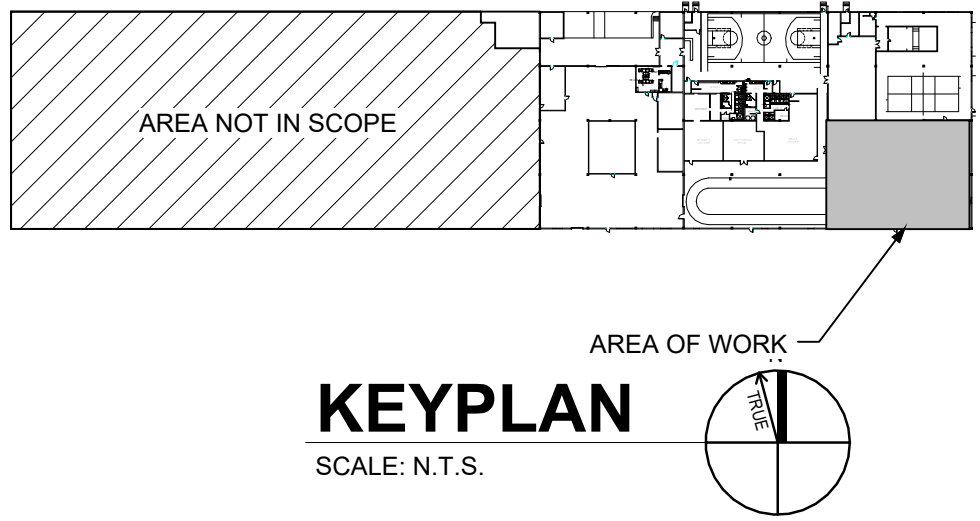
03/13/2026

COLUMBUS, OHIO
DSCC DLA REPAIR BUILDING 27
25-25126-00

DEMOLITION PLAN - AREA 12S

SHEET ID

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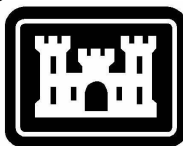


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- C. CONSIDER TEMPORARY CONSTRUCTION PARTITIONS WITHIN THE EXISTING BUILDING WHICH OFFER A SUFFICIENT ENCLOSURE TO ISOLATE ANY DEMOLITION/CONSTRUCTION WORK FROM THE GENERAL PUBLIC AND AS DEEMED NECESSARY BY THE CONTRACTING OFFICER REPRESENTATIVE (COR) AND CODE OFFICIAL HAVING JURISDICTION. COORDINATE LOCATIONS WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR) AND MAINTAIN MEANS OF EGRESS THROUGHOUT THE WORK.
- D. MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT ALL TIMES.
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- G. REMOVE ALL EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
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- L. CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
- M. STOP ALL ELECTRICAL DRIVINGS AND WIRING SEPARATIONS AND REPAIRS FOR FURTHER SEPARATIONS.
- N. WHERE CMU WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY SAWCUTTING AND OR REMOVING CMU IN TOOTH-IN PATTERN BOTH SIDES OF DEMOLITION FOR CONTRACTOR TO TOOTH-IN NEW CMU PATCHES AS NEEDED.
- O. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
- P. COORDINATE WITH HAZARDOUS ABATEMENT SHEETS AND REPORT BEFORE ANY DEMOLITION TAKES PLACE.

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- 10 EXISTING GLASS WALL TO BE REMOVED. REMOVE ALL FASTENERS AND BRACKETS IN PREPARATION TO INSTALL A NEW METAL STUD WALL AS PER PLANS. CONFIRM WITH OWNER FOR SALVAGED ITEMS.
- 11 EXISTING WALL AND WALL MOUNTED ITEMS TO BE REMOVED. VERIFY DIMENSIONS ON SITE.
- 12 EXISTING VIEWING WINDOW INTO RACQUET BALL COURT TO BE REMOVED.
- 13 EXISTING RACQUET BALL FLOORING TO BE REMOVED TO CONCRETE SLAB. PREPARE CONCRETE SLAB TO RECEIVE NEW FLOORING AS PER FINISH SCHEDULE.
- 14 EXISTING RACQUET BALL HARD CEILING TO BE REMOVED. RE: MEP DRAWINGS FOR ADDITIONAL INFORMATION.
- 15 NEW DOOR OPENING FOR NEW ACCESS DOOR TO RACQUET BALL COURT.
- 16 DIMENSION TO BE VERIFIED IN FIELD. APPROXIMATE BASED ON EXISTING DOCUMENTS.
- 17 EXISTING SUSPENDED ACOUSTICAL CEILING SYSTEM TO BE REMOVED. RE: MEP FOR ADDITIONAL INFORMATION.
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- 19 EXISTING WALL PADDING TO BE REMOVED.
- 20 EXISTING MECHANICAL MEZZANINE ABOVE THIS AREA TO BE REMOVED.
- 21 EXISTING LADDER TO MEZZANINE TO BE REMOVED WITH ALL COMPONENTS, INCLUDING BUT NOT LIMITED TO FASTENERS, BRACKETS, ETC.. REPAIR WALL, PATCH HOLES, REPAIR FLOORING AND REFINISH WALL AND FLOOR TO MATCH ADJACENT.
- 22 EXISTING ELECTRICAL CLOSET TO REMAIN IN PLACE. PROTECT DURING DEMOLITION.
- 23 EXISTING FLOORING DECK TO BE REMOVED. JOIST TO REMAIN IN PLACE.
- 24 REMOVE ALL DEBRIS LEFT OUT FROM MECHANICAL AND ELECTRICAL DEMOLITION WORK LEFT BEHIND INCLUDING BUT NOT LIMITED TO FASTENERS, HANGERS, METAL PANS, ETC.
- 25 REMOVE EXISTING ACCESS LADDER AND ALL ASSOCIATED HARDWARE. PATCH HOLES AND REPAINT WALLS AS NEEDED. PATCH AND CLEAN UP FLOOR TO MATCH EXISTING.
- 26 EXISTING METAL CAGE TO BE REMOVED. PATCH ALL HOLES, AND REPAIR ANY OTHER DAMAGES AROUND THE WINDOW OPENING TO MATCH ADJACENT WALLS.
- 27 EXISTING FAN IN CAGE TO BE REMOVED. REMOVE ALL COMPONENTS ASSOCIATED WITH EXISTING FAN INCLUDING THE CAGE AND PREPARE OPENING TO BE FILLED AS PER STRUCTURAL DETAILS. RE: MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.
- 28 REMOVE EXISTING VINYL FLOORING AND PREPARE SUBSTRATE FOR INSTALLATION OF NEW VINYL FLOORING.
- 29 SAW CUT BRICK BELOW THE EXISTING WINDOW TO EXTEND THE EXISTING OPENING TO THE FLOOR, CLEAN AND PREPARE TO RECEIVE NEW BLOCK NEW HM DOOR AND FRAME.



**US Army Corps
of Engineers®**

[illegible]

US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY:	ISSUE DATE:
	DRAWN BY:	March 13, 2026
	E.E.	SOLICITATION NO.:
	CHECKED BY:	
	E.B.	CONTRACT NO.:
	SUBMITTED BY:	
	A.B.	
	APPROVED BY:	
	ANSI D	



03/13/2026

COLUMBUS, OHIO
DSCC DLA REPAIR BUILDING 27
25-25126-00

DEMOLITION PLAN - AREA 13S

SHEET ID

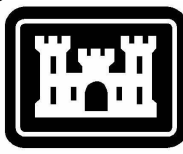
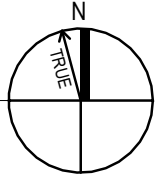
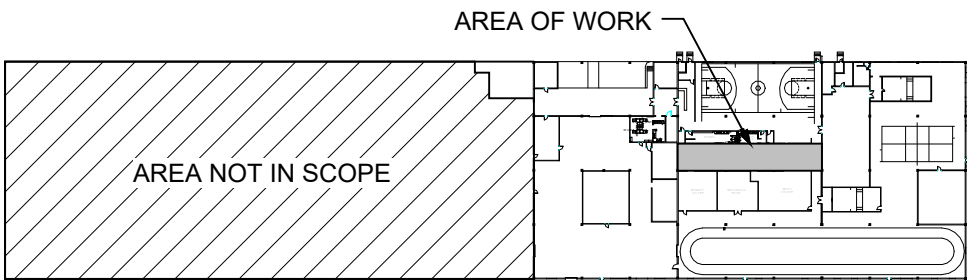
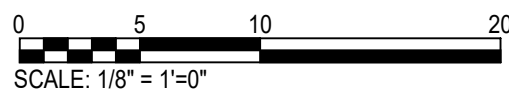
AD107

DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS.

THE CONTRACTOR SHALL:

- A. COORDINATE ALL DEMOLITION AND PHASING EFFORTS WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR). EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION OF OCCUPANTS OPERATIONS. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR). IN ALL CASES, PROVISIONS SHALL BE MADE FOR USER'S SAFETY.
- B. COORDINATE ANY DISRUPTION OF UTILITY SERVICES WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR) AND AS SPECIFIED.
- C. CORING THROUGH EXISTING CONSTRUCTION PARTITIONS WITHIN THE EXISTING BUILDING WHICH OFFER A ONE-FOUR ENCLOSURE TO ISOLATE ANY DEMOLITION/CONSTRUCTION WORK FROM THE GENERAL PUBLIC AND AS DEEMED NECESSARY BY THE CONTRACTING OFFICER REPRESENTATIVE (COR) AND CODE OFFICIAL HAVING JURISDICTION. COORDINATE LOCATIONS WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR) AND MAINTAIN MEANS OF EGRESS THROUGHOUT THE WORK.
- D. MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT ALL TIMES.
- E. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE CONTRACTING OFFICER REPRESENTATIVE (COR) OF ANY DISCREPANCIES.
- F. REMOVE IN THEIR ENTIRETY ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, CEILINGS, SOFFITS, WALL FIXTURES, AND OTHER ITEMS, AS REQUIRED TO EXECUTE THE DEMOLITION/CONSTRUCTION WORK DESCRIBED BY THE DRAWINGS.
- G. REMOVE ALL EXISTING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
- H. REPAIR OR REPLACE ITEMS THAT ARE DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
- I. NO EXISTING MATERIALS SHALL BE REUSED IN ANY INSTANCE. DISPOSE OF EXISTING DEMOLISHED MATERIALS AS PER SPECIFICATIONS.
- J. VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF THEIR SERVICE.
- K. PATCH FLOOR, WALL AND CEILING PENETRATIONS RESULTING FROM REMOVAL OR RE-ROUTING OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, AND OTHER ITEMS, AS REQUIRED TO MAINTAIN FIRE-RESISTANCE-RATED SEPARATIONS. FINISH AS REQUIRED FOR NEW OR EXISTING ADJACENT SURFACES.
- L. CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
- M. CAP ALL ELECTRICAL AND ELECTRICAL PIPING AND REMOVE ALL OTHER SEWING AND VENT PIPING.
- N. WHERE CMU WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY SAWCUTTING AND OR REMOVING CMU IN TOOTH-IN PATTERN BOTH SIDES OF DEMOLITION FOR CONTRACTOR TO TOOTH-IN NEW CMU PATCHES AS NEEDED.
- O. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
- P. COORDINATE WITH HAZARDOUS ABATEMENT SHEETS AND REPORT BEFORE ANY DEMOLITION TAKES PLACE.

- 1 EXISTING OVERHEAD COILING DOOR TO BE REMOVED. REMOVE ALL COMPONENTS ASSOCIATED WITH EXISTING DOOR AND PREPARE OPENING FOR NEW COMPONENT TO BE INSTALLED AS PER SCHEDULE.
- 2 EXISTING EXTERIOR DOOR AND FRAME TO BE REMOVED. REMOVE ALL COMPONENTS ASSOCIATED WITH EXISTING DOOR AND PREPARE OPENING FOR NEW COMPONENT TO BE INSTALLED AS PER SCHEDULE.
- 3 EXISTING EXTERIOR WINDOW TO BE REMOVED. REMOVE ALL COMPONENTS ASSOCIATED WITH EXISTING WINDOW AND PREPARE OPENING FOR NEW COMPONENT TO BE INSTALLED AS PER SCHEDULE.
- 4 EXISTING EXTERIOR LOUVER TO BE REMOVED. REMOVE ALL COMPONENTS ASSOCIATED WITH EXISTING LOUVER AND PREPARE OPENING TO BE FILLED AS PER STRUCTURAL DETAILS.
- 5 EXISTING INTERIOR DOOR AND FRAME TO BE REMOVED.
- 6 INCREASE ROUGH OPENING SIZE TO ACCOMMODATE A NEW PAIR 3-0 DOORS.
- 7 EXISTING OVERHEAD DOOR TO REMAIN IN PLACE.
- 8 EXISTING WINDOW TO REMAIN IN PLACE.
- 9 EXISTING EXTERIOR DOOR TO REMAIN IN PLACE.
- 10 EXISTING GLASS WALL TO BE REMOVED. REMOVE ALL FASTENERS AND BRACKETS IN PREPARATION TO INSTALL A NEW METAL STUD WALL AS PER PLANS. CONFIRM WITH OWNER FOR SALVAGED ITEMS.
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US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY: E.E.	ISSUE DATE: March 13, 2026
	DRAWN BY: E.E.	SOLICITATION NO.:
	CHECKED BY: E.B.	CONTRACT NO.:
	SUBMITTED BY: E.B.	
	SCALE: AS SHOWN	
	SIZE: ANSI D	

COLUMBUS, OHIO
DSCC DIA REPAIR BUILDING 27
25-25126-00

SHEET ID

AD108

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US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY: E.E.	ISSUE DATE: March 13, 2026
	DRAWN BY: E.E.	SOLICITATION NO.:
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	DATE: SIZE: ANSI D	

COLUMBUS, OHIO
DSCC DIA REPAIR BUILDING 27
25-25126-00
FLOOR PLAN OVERALL

SHEET ID
A-101

1. PARTITION TYPES SHALL BE DESIGNATED ON FLOOR PLANS. SEE SHEET A-401 FOR TYPES.
2. PROVISIONS SHALL BE MADE AT ALL FULL HEIGHT NON-BEARING WALLS FOR 1-INCH VERTICAL MOVEMENT OF THE BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSIVE LOADS TO WALL.
3. SEE STRUCTURAL DRAWINGS FOR BRACINGS OF NON-LOAD BEARING MASONRY WALLS.
4. FURNISH AND INSTALL FIRE-TREATED WOOD BLOCKING OR METAL BACKING PLATE IN METAL STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS, I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, DOOR STOPS, AND OTHER WALL ATTACHED ITEMS.
5. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
6. PROVIDE SILENCING CHANNELS AND GYPSUM BOARD UP 4 INCHES ABOVE FINISHED CEILING ON CMU WALLS.
7. SCRIBE GYPSUM WALL BOARD OF WALLS AND PARTITIONS TO IRREGULARITIES OF DECK ABOVE. SEAL TIGHTLY AROUND ALL PENETRATIONS.
8. CAREFULLY REMOVE ACOUSTICAL INSULATION ON THE UNDERSIDES OF THE (E) CONCRETE BARREL VENT TO ACCOMMODATE THE ANCHOR AND BRACKET AND RE-INSTALL PATCH WITH SIMILAR MATERIAL AFTER ATTACHMENT IS COMPLETE.

Autodesk Docs//25-25126-00 DLA DSCC Bldg. 27 RE PF Remod//25-25126-00_DLA DSCC Bldg. 27 RE PF Remod_AR_2024.rvt

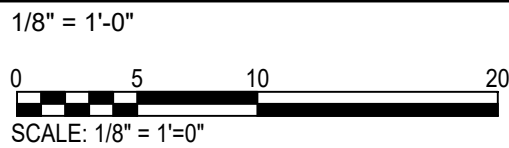
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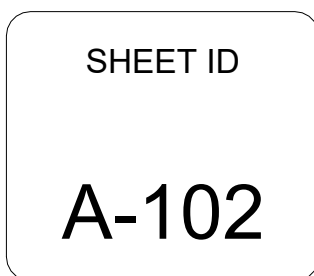
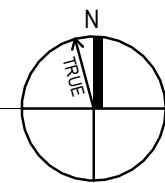


03/13/2026



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4. FURNISH AND INSTALL FIRE-TREATED WOOD BLOCKING OR METAL BACKING PLATE IN METAL STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS, I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, DOOR STOPS, AND OTHER WALL ATTACHED ITEMS.
5. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
6. PROVIDE BRACING CHANNELS AND GYPSUM BOARD UP 4 INCHES ABOVE FINISHED CEILING ON CMU WALLS.
7. SCRIBE GYPSUM WALL BOARD OF WALLS AND PARTITIONS TO IRREGULARITIES OF DECK ABOVE. SEAL TIGHTLY AROUND ALL PENETRATIONS.
8. CAREFULLY REMOVE ACROUSTIC INSULATION ON THE UNDERSIDE OF THE (B) CONCRETE BARREL VAULT TO ACCOMMODATE THE ANCHOR AND BRACKET AND RE-INSTALL/PATCH WITH SIMILAR MATERIAL AFTER ATTACHMENT IS COMPLETE.

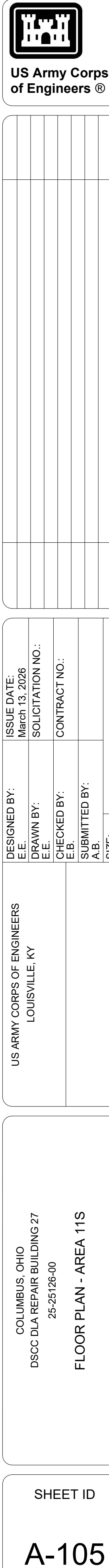
- 1 NEW DOOR AS PER OPENING SCHEDULE.
- 2 NEW WINDOW AS PER OPENING SCHEDULE
- 3 NEW WALL AS PER PARTITION SCHEDULE
- 4 MINIMUM DIMENSION TO BE KEPT AT THIS LOCATION.
- 5 APPROXIMATE DIMENSION. NEW WALL TO ALIGN WITH EXISTING.
- 6 EXISTING RECEPTION COUNTER TO BE PROTECTED DURING CONSTRUCTION.
- 7 EXISTING DOOR OPENING TO BE CLOSED OFF MATCHING EXISTING WALL.
- 8 NEW EXTERIOR INSULATING FOAM SYSTEM (EIFS) AS PER SPECIFICATIONS OVER EXISTING MASONRY WALL.
- 9 INFILL MASONRY WALL AS PER STRUCTURAL DETAILS. FINISH TO MATCH ADJACENT WALLS.
- 10 WALL CONTINUES OVERHEAD 10' A.F.F.
- 11 EXPAND EXISTING DOOR OPENING TO ACCOMMODATE THE NEW PAIR OF DOORS TO THE RIGHT HAND SIDE.
- 12 INSTALL NEW TILE TO MATCH EXISTING OR AS SELECTED BY THE CONTRACTING OFFICER.
- 13 NEW CONCRETE LANDING AS PER STRUCTURAL DRAWINGS. PROVIDE HANDRAILS AS PER CODE.
- 14 PATCH AND PAINT ENTIRE CEILING IN THIS ROOM. PROTECT THE EXISTING FLOORING.
- 15 NEW CONCRETE STAIRS AS PER STRUCTURAL. PROVIDE GUARDRAILS AND HANDRAILS AS REQUIRED BY CODE.
- 16 NEW CONCRETE SIDEWALK. EXTEND FROM BOTTOM OF STAIRS TO THE EXISTING PARKING LOT. CUT EXISTING CURB AS REQUIRED FOR LEVEL TRANSITION.
- 17 PROVIDE HANDRAIL AND GUARDRAIL AS REQUIRED BY NFPA 101, IBC 2018 AND ADA ONCE FINAL HEIGHT HAS BEEN ESTABLISHED.





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2. PROVISIONS SHALL BE MADE AT ALL FULL HEIGHT NON-BEARING WALLS FOR 1-INCH VERTICAL MOVEMENT OF THE BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSIVE LOADS TO WALL.
3. SEE STRUCTURAL DRAWINGS FOR BRACING OF NON-LOAD BEARING MASONRY WALLS.
4. FURNISH AND INSTALL FIRE-TREATED WOOD BLOCKING OR METAL BACKING PLATE IN METAL STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS, I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, DOOR STOPS, AND OTHER WALL ATTACHED ITEMS.
5. GYPSON BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
6. EXTEND BRACING CHANNELS AND GYPSON BOARD UP 4 INCHES ABOVE FINISHED CEILING ON CMU WALLS.
7. SCRIBE GYPSON WALL BOARD OF WALLS AND PARTITIONS TO IRREGULARITIES OF DECK ABOVE. SEAL THIGHTLY AROUND ALL PENETRATIONS.
8. CAREFULLY REMOVE ACOUSTICAL INSULATION ON THE UNDERSIDE OF THE (E) CONCRETE BARREL VAULT TO ACCOMMODATE THE ANCHOR AND BRACKET AND RE-INSTALL PATCH WITH SIMILAR MATERIAL AFTER ATTACHMENT IS COMPLETE.

- 1 NEW DOOR AS PER OPENING SCHEDULE.
- 2 NEW WINDOW AS PER OPENING SCHEDULE
- 3 NEW WALL AS PER PARTITION SCHEDULE
- 4 MINIMUM DIMENSION TO BE KEPT AT THIS LOCATION.
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- 9 INFILL MASONRY WALL AS PER STRUCTURAL DETAILS. FINISH TO MATCH ADJACENT WALLS.
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- 11 EXPAND EXISTING DOOR OPENING TO ACCOMMODATE THE NEW PAIR OF DOORS TO THE RIGHT HAND SIDE.
- 12 INSTALL NEW TILE TO MATCH EXISTING OR AS SELECTED BY THE CONTRACTING OFFICER.
- 13 NEW CONCRETE LANDING AS PER STRUCTURAL DRAWINGS. PROVIDE GUARDRAILS AS PER CODE.
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2. PROVISIONS SHALL BE MADE AT ALL FULL HEIGHT NON-BEARING WALLS TO PREVENT LATERAL MOVEMENT OF THE BULLETPROOF STRUCTURE WITHOUT TRANSFER OF COMPRESSIVE LOADS TO WALL.
3. SEE STRUCTURAL DRAWINGS FOR BRACING OF NON-LOAD BEARING MASONRY WALLS.
4. FURNISH AND INSTALL FIRE-TREATED WOOD BLOCKING OR METAL BRACING PLATE IN METAL STUD PARTITIONS FOR THE PROPER ANCHORAGE OF WALL TO FLOOR/CEILING ITEMS (I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, DOOR STOPS, AND OTHER WALL ATTACHED ITEMS).
5. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
6. PROVIDE DRAINAGE CHANNELS AND GYPSUM BOARD UP 4 INCHES ABOVE FINISHED CEILING ON CMU WALLS.
7. SCRIBE GYPSUM WALL BOARD OF WALLS AND PARTITIONS TO IRREGULARITIES OF DECK ABOVE. SEAL TIGHTLY AROUND ALL PENETRATIONS.
8. CAREFULLY REMOVE ACCELERATED CORROSION PROTECTION ON THE UNDERSIDE OF THE (E) CONCRETE BARREL VAULT TO ACCOMMODATE THE ANCHOR BRACKET AND RE-INSTALL PLATING WITH SIMILAR MATERIAL AFTER ATTACHMENT IS COMPLETE.

2 NEW DOOR AS PER OPENING SCHEDULE.

3 NEW WINDOW AS PER OPENING SCHEDULE.

4 NEW WALL AS PER PARTITION SCHEDULE

5 MINIMUM DIMENSION TO BE KEPT AT THIS LOCATION.

6 APPROXIMATE DIMENSION, NEW WALL, TO ALIGN WITH EXISTING.

7 EXISTING RECEPTION COUNTER TO BE PROTECTED DURING CONSTRUCTION.

8 EXISTING DOOR OPENING TO BE CLOSED OFF MATCHING EXISTING WALL.

9 NEW EXTERIOR INSULATING FOAM SYSTEM (EIFS) AS PER SPECIFICATIONS OVER EXISTING MASONRY WALL.

10 INFILL MASONRY WALL AS PER STRUCTURAL DETAILS. FINISH TO MATCH ADJACENT WALLS.

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13 INSTALL NEW TILE TO MATCH EXISTING OR AS SELECTED BY THE CONTRACTING OFFICER.

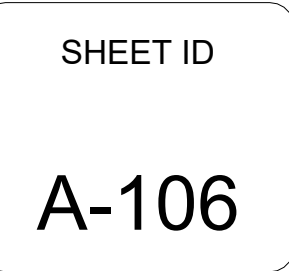
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15 PAINT ENTIRE CEILING IN THIS ROOM. PROTECT THE EXISTING FLOORING.

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6. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
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9. CAREFULLY REMOVE ACCELERATED INSULATION ON THE UNDERSIDE OF THE (E) CONCRETE BARREL VAULT TO ACCOMMODATE THE ANCHOR AND BRACKET AND RE-INSTALL/PATCH WITH SIMILAR MATERIAL AFTER ATTACHMENT IS COMPLETE.

NEW DOOR AS PER OPENING SCHEDULE.

NEW WINDOW AS PER OPENING SCHEDULE.

NEW WALL AS PER PARTITION SCHEDULE.

MINIMUM DIMENSION TO BE KEPT AT THIS LOCATION.

APPROXIMATE DIMENSION. NEW WALL TO ALIGN WITH EXISTING.

EXISTING RECEPTION COUNTER TO BE PROTECTED DURING CONSTRUCTION.

EXISTING DOOR OPENING TO BE CLOSED OFF MATCHING EXISTING WALL.

NEW EXTERIOR INSULATING FOAM SYSTEM (EIFS) AS PER SPECIFICATIONS OVER EXISTING MASONRY WALL.

INFILL MASONRY WALL AS PER STRUCTURAL DETAILS. FINISH TO MATCH ADJACENT WALLS.

0 WALL CONTINUES OVERHEAD 10' A.F.F.

1 EXPAND EXISTING DOOR OPENING TO ACCOMMODATE THE NEW PAIR OF DOORS TO THE RIGHT HAND SIDE.

2 INSTALL NEW TILE TO MATCH EXISTING OR AS SELECTED BY THE CONTRACTING OFFICER.

3 NEW CONCRETE LANDING AS PER STRUCTURAL DRAWINGS.

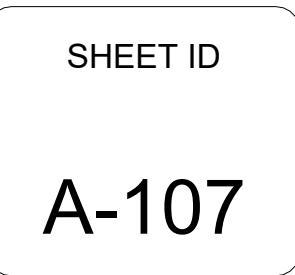
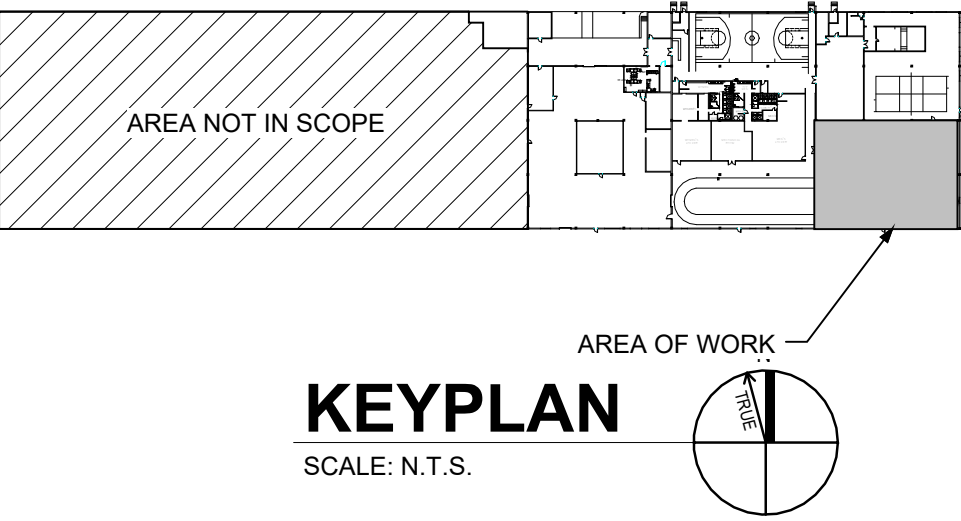
4 PROVIDE GUARDRAILS AS PER CODE.

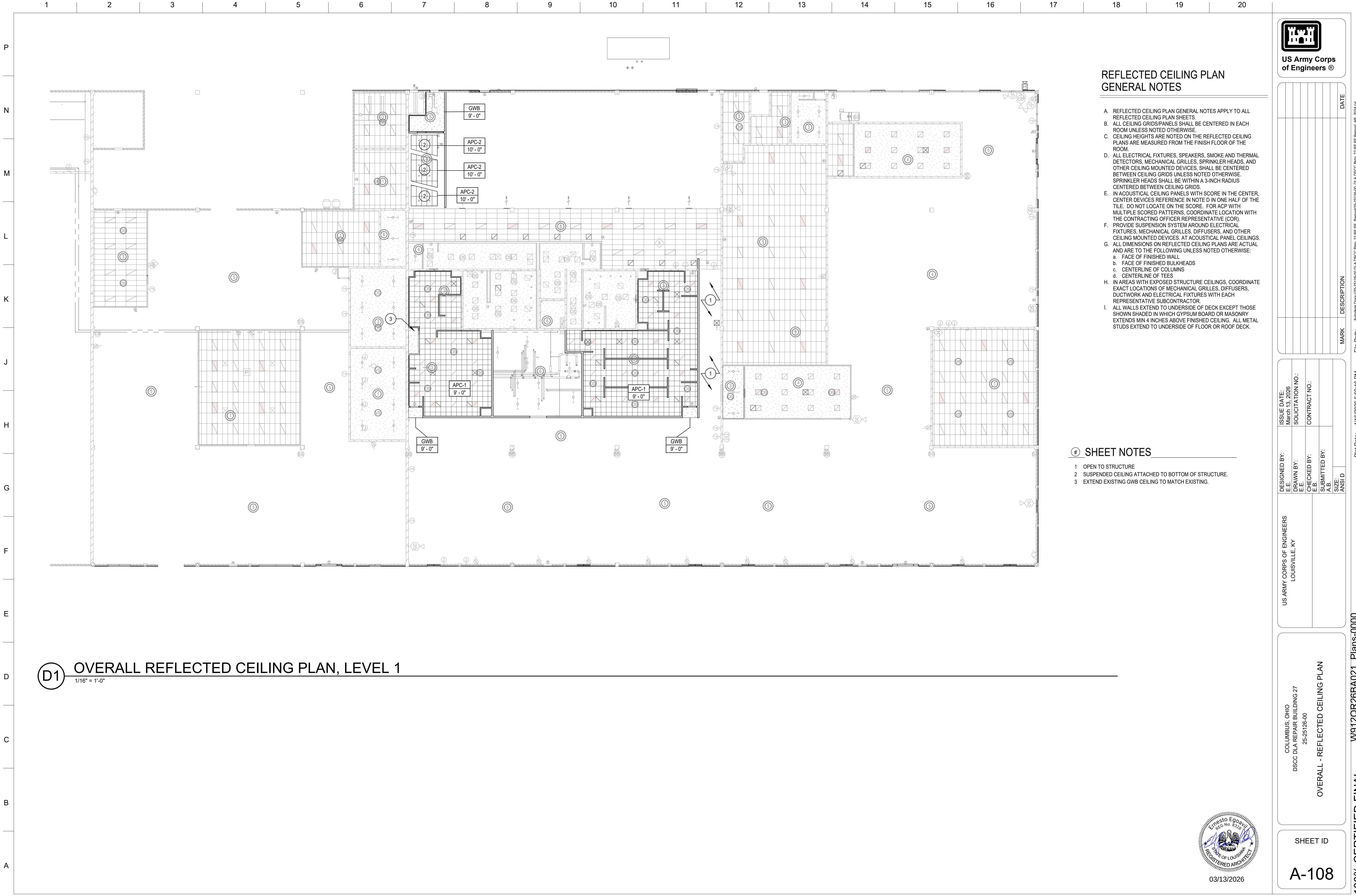
5 PATCH AND PAINT ENTIRE CEILING IN THIS ROOM. PROTECT THE EXISTING FLOORING.

6 NEW CONCRETE STAIRS AS PER STRUCTURAL. PROVIDE GUARDRAILS AND HANDRAILS AS REQUIRED BY CODE.

7 NEW CONCRETE SIDEWALK. EXTEND FROM BOTTOM OF STAIRS TO THE EXISTING PARKING LOT. CUT EXISTING CURB AS REQUIRED FOR LEVEL TRANSITION.

8 PROVIDE HANDRAIL AND GUARDRAIL AS REQUIRED BY NFPA 101, IRC 2018 AND ADA ONCE FINAL HEIGHT HAS BEEN ESTABLISHED.





REFLECTED CEILING PLAN
GENERAL NOTES

- A. REFLECTED CEILING PLAN GENERAL NOTES APPLY TO ALL REFLECTED CEILING PLAN SHEETS.
- B. ALL CEILING GRIDS/PANELS SHALL BE CENTERED IN EACH ROOM UNLESS NOTED OTHERWISE.
- C. CEILING HEIGHTS ARE NOTED ON THE REFLECTED CEILING PLANS ARE MEASURED FROM THE FINISH FLOOR OF THE ROOM.
- D. ALL ELECTRICAL FIXTURES, SPEAKERS, SMOKE AND THERMAL DETECTORS, MECHANICAL GRILLES, SPRINKLER HEADS, AND OTHER CEILING MOUNTED DEVICES, SHALL BE CENTERED BETWEEN CEILING GRIDS UNLESS NOTED OTHERWISE. SPRINKLER HEADS SHALL BE WITHIN A 3-INCH RADIUS CENTERED BETWEEN CEILING GRIDS.
- E. IN ACOUSTICAL CEILING PANELS WITH SCORE IN THE CENTER, CENTER DEVICES REFERENCE IN NOTE D IN ONE HALF OF THE TILE. DO NOT LOCATE ON THE SCORE. FOR ACP WITH MULTIPLE SCORED PATTERNS, COORDINATE LOCATION WITH THE CONTRACTING OFFICER REPRESENTATIVE (COR).
- F. PROVIDE SUSPENSION SYSTEM AROUND ELECTRICAL FIXTURES, MECHANICAL GRILLES, DIFFUSERS, AND OTHER CEILING MOUNTED DEVICES. AT ACOUSTICAL PANEL CEILINGS.
- G. ALL DIMENSIONS ON REFLECTED CEILING PLANS ARE ACTUAL AND ARE TO THE FOLLOWING UNLESS NOTED OTHERWISE:
 - a. FACE OF FINISHED WALL
 - b. FACE OF FINISHED BULKHEADS
 - c. CENTERLINE OF COLUMNS
 - d. CENTERLINE OF TEES
- H. IN AREAS WITH EXPOSED STRUCTURE CEILINGS, COORDINATE EXACT LOCATIONS OF MECHANICAL GRILLES, DIFFUSERS, DUCTWORK AND ELECTRICAL FIXTURES WITH EACH REPRESENTATIVE SUBCONTRACTOR.
- I. ALL WALLS EXTEND TO UNDERSIDE OF DECK EXCEPT THOSE SHOWN SHADED IN WHICH GYPSUM BOARD OR MASONRY EXTENDS MIN 4 INCHES ABOVE FINISHED CEILING. ALL METAL STUDS EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK.

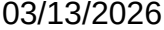
SHEET NOTES

- 1 OPEN TO STRUCTURE
- 2 SUSPENDED CEILING ATTACHED TO BOTTOM OF STRUCTURE.
- 3 EXTEND EXISTING GWB CEILING TO MATCH EXISTING.

US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY: E.E.	ISSUE DATE: March 13, 2026
	DRAWN BY: E.E.	SOLICITATION NO.:
	CHECKED BY: E.E.	CONTRACT NO.:
	SUBMITTED BY: A.B.	
	SIZE: ANSI D	DATE

COLUMBUS, OHIO DSCC DLA REPAIR BUILDING 27 25-25126-00 OVERALL - REFLECTED CEILING PLAN	SHEET ID A-108





P

N

M

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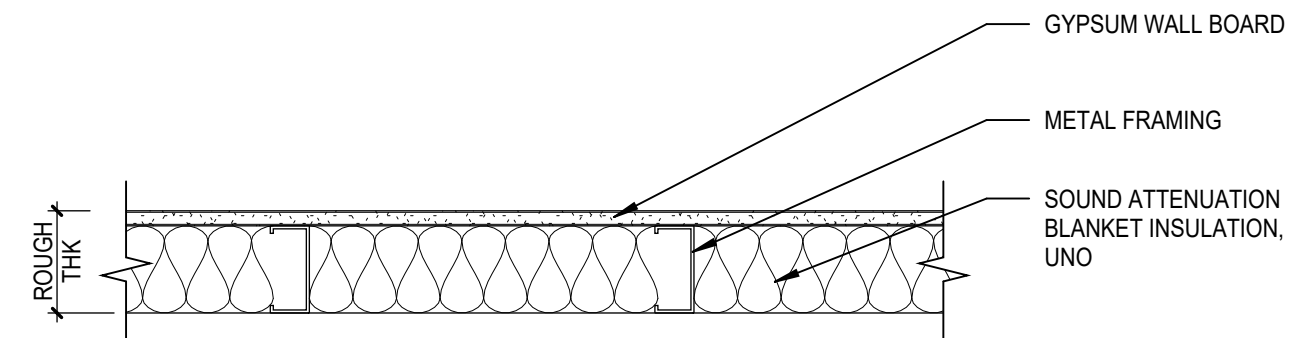
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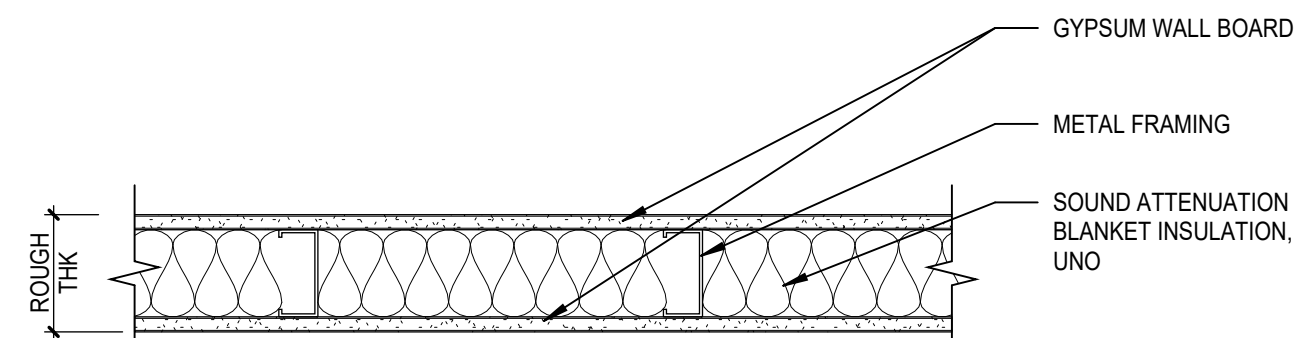
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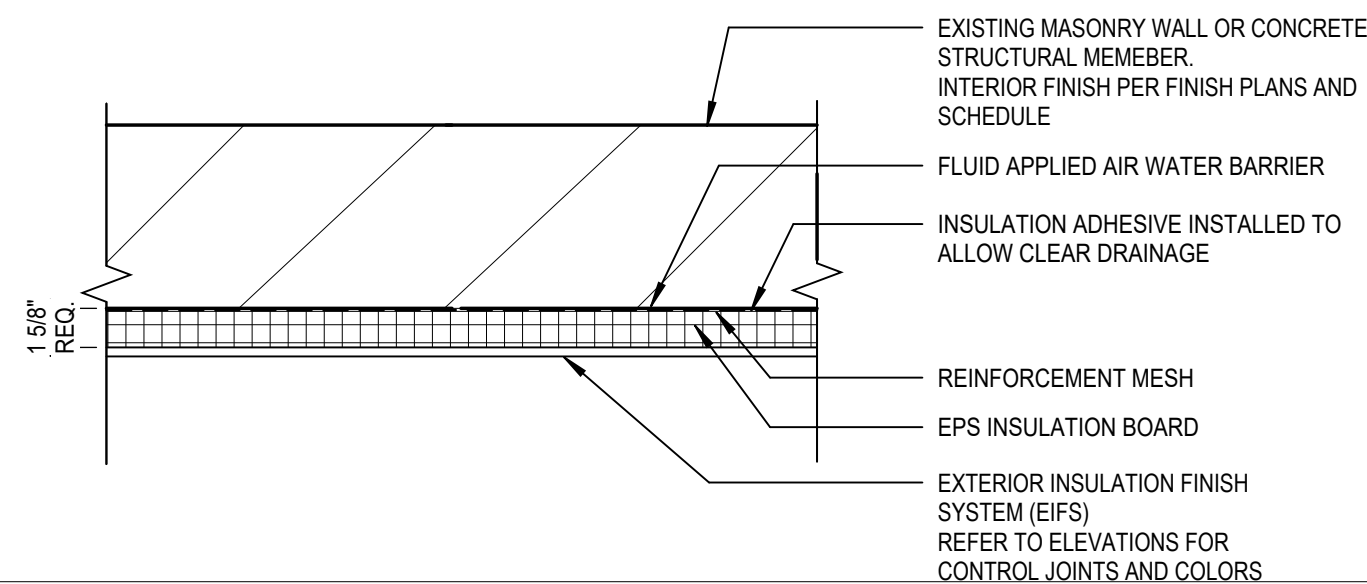
S _ -1_ NON-RATED STUD PARTITION

MARK				ROUGH THICKNESS	FIRE/SMOKE		SOUND		T.O. WALL DETAIL	B.O. WALL DETAIL	COMMENTS
			RATING		TESTED ASSEMBLIES	STC RATING	TESTED ASSEMBLIES				
SA	2	10	3 1/8"	NR	NA	N/A					
SA	3	10	4 1/4"	NR	NA	N/A					
SB	2	10	3 1/8"	NR	NA	N/A					
SB	3	10	4 1/4"	NR	NA	N/A					



S - -2 NON-RATED STUD PARTITION

MARK				FIRE/SMOKE		SOUND		COMMENTS
			ROUGH THICKNESS	RATING	TESTED ASSEMBLIES	STC RATING	TESTED ASSEMBLIES	
SA	2	10	3 1/8"	NR	NA	N/A		
SA	3	10	4 1/4"	NR	NA	N/A		
SA	3	20	4 7/8"	NR	NA	N/A		
SA	6	20	7 1/4"	NR	NA	N/A		
SB	2	10	3 1/8"	NR	NA	N/A		
SB	3	10	4 1/4"	NR	NA	N/A		
SB	3	20	4 7/8"	NR	NA	N/A		
SB	3	21	4 7/8"	NR	NA	N/A		



EXT-1 EIFS SYSTEM

MARK			ROUGH THICKNESS	FIRE/SMOKE		SOUND		T.O. WALL DETAIL	B.O. WALL DETAIL	COMMENTS
				RATING	TESTED ASSEMBLIES	STC RATING	TESTED ASSEMBLIES			
EX	2	10	1 1/2"	NR	NA					

PARTITION TYPES

DESCRIPTIONS

MATERIAL DESCRIPTION
S = STEEL (METAL STUDS)
W = WOOD STUDS
H = SHAFT WALLS
M = MASONRY
C = CONCRETE

RATING / HEIGHT

A = FULL HEIGHT / UNDERSIDE OF STRUCT (NOT RATED)

B = 6" ABOVE CEILING (NOT RATED)

C = UNDERSIDE OF CEILING (NOT RATED)

D = PARTIAL HEIGHT (NOT RATED)

X = VARIABLE HEIGHT (NOT RATED)

S = SMOKE PARTITION (NOT RATED)

0 = 0 HOUR RATED (CORRIDOR)

5 = 0.5 HOUR RATED

1 = 1 HOUR RATED

2 = 2 HOUR RATED

3 = 3 HOUR RATED

4 = 4 HOUR RATED

UNIT WIDTH / CONFIGURATION

F = FURRING STRIPS / CHANNELS

1 = 1 5/8" METAL

2 = 2 1/2" METAL / 1 1/2" WOOD

3 = 3 5/8" METAL

4 = 4" METAL / 3 1/2" WOOD / 3 5/8" CMU

6 = 6" METAL / 5 1/2" WOOD / 5 5/8" CMU / 6" CONC

8 = 8" METAL / 7 1/4" WOOD / 7 5/8" CMU / 8" CONC

10 = 10" CONC

12 = 11 5/8" CMU / 12" CONC

X = NON-STANDARD WIDTH, SEE DETAILS

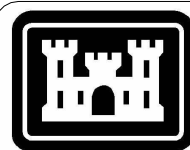
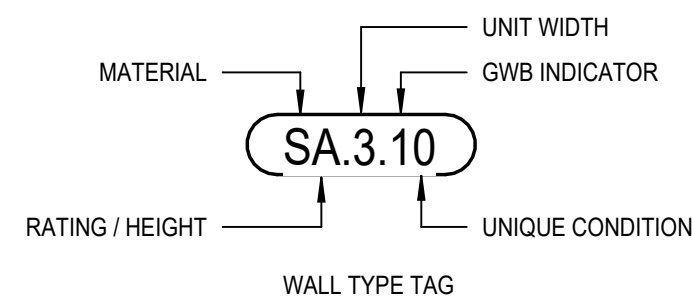
D = DOUBLE STUD FRAMING

S = STAGGERED STUD FRAMING

GYPSUM WALLBOARD INDICATOR
(NOT INCLUDING SHAFT LINER)

0	=	NO GWB
1	=	ONE LAYER, TAG SIDE
2	=	ONE LAYER, EACH SIDE
3	=	TWO LAYERS TAG SIDE, ONE LAYER OTHER
4	=	TWO LAYERS, EACH SIDE
5	=	TWO LAYERS TAG SIDE, NO GWB OTHER
6	=	THREE LAYERS, EACH SIDE

UNIQUE CONDITION (SEE SCHEDULE)
0 = NO UNIQUE CONDITION
1 = NO SOUND BATT INSULATION REQUIRED.



**US Army Corps
of Engineers ®**

[illegible]

US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY:	ISSUE DATE:
	E.E.	March 13, 2026
	DRAWN BY:	
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	E.E.	
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	A.B.	
	APPROVED BY:	
	ANSI D	

COLUMBUS, OHIO
DSCC DIA REPAIR BUILDING 27
25-25126-00
PARTITION TYPES

SHEET ID

A-401



03/13/2026



The floor plan of the second floor of the University of Utah Student Center includes the following rooms and features:

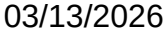
- MEN'S RESTROOM** (1213): Located in the top left corner.
- MEN'S SHOWERS** (1217): Located in the top left area, adjacent to the restroom.
- BASKETBALL COURT** (1222): Located in the top right corner.
- MEN'S LOCKER ROOM** (1206): Located in the middle right area.
- MECHANICAL ROOM** (1203): Located in the bottom left corner.
- Staircases:** Multiple staircases are indicated by sets of parallel lines, including a large set in the top right and several along the perimeter.
- Entrances/Exits:** Marked with circles and labels: J2, J15, F8, F2, C8, C14, J14, J10, M16, M11, M2, M7, and I-202 (multiple locations).
- Other Features:** A row of lockers is shown on the right side, and a row of benches is located in the bottom right area.

03/13/2026



- A. SEE SPECIFICATION FOR PAINTING OF ITEMS NOT NOTED IN THE ROOM FINISH SCHEDULE OR FINISH PLANS.
- B. ALL GYPSUM WALLBOARD SHALL BE PAINTED P-01 UNLESS NOTED OTHERWISE.
- C. SEE REFLECTED CEILING PLANS FOR CEILING MATERIAL AND HEIGHT.
- D. CEILING HEIGHTS, AS NOTED ON THE REFLECTED CEILING PLANS, ARE MEASURED FROM FINISH FLOOR OF THE ROOM.
- E. CONTRACTOR SHALL FURNISH AND INSTALL WALL BASE AROUND CASEWORK AND MILLWORK.
- F. WHERE FLOOR FINISH CHANGES FROM ONE ROOM TO ANOTHER, SET JOINT OF THE MATERIALS AT THE CENTER OF THE COMMUNICATING DOOR.

	AREA NOT IN CONTRACT (NIC)
	PLAN KEYED NOTE
	FLOOR FINISH TRANSITION
	FLOOR MATERIAL DIRECTION
	FINISH MATERIAL TAG
	EXTENT OF WALL FINISH, SEE INTERIOR ELEVATION FOR ADDITIONAL INFORMATION

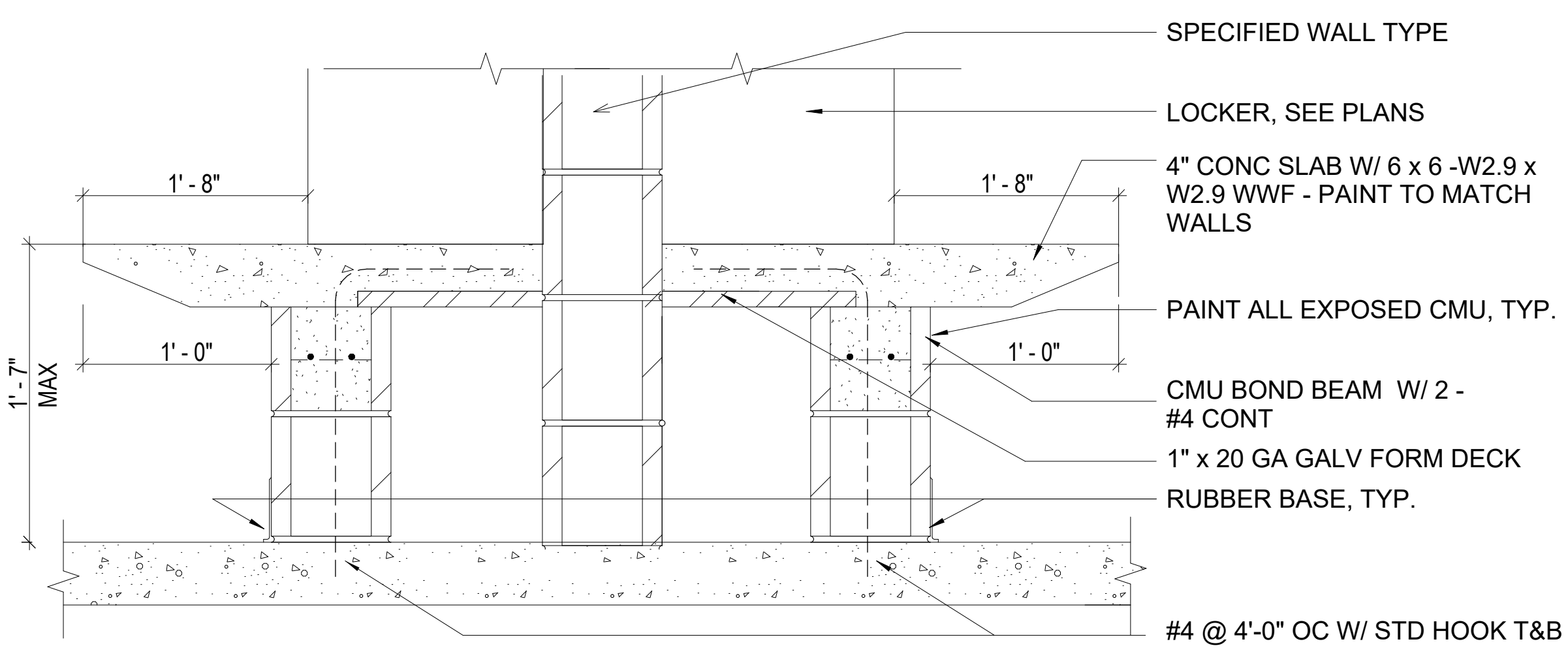


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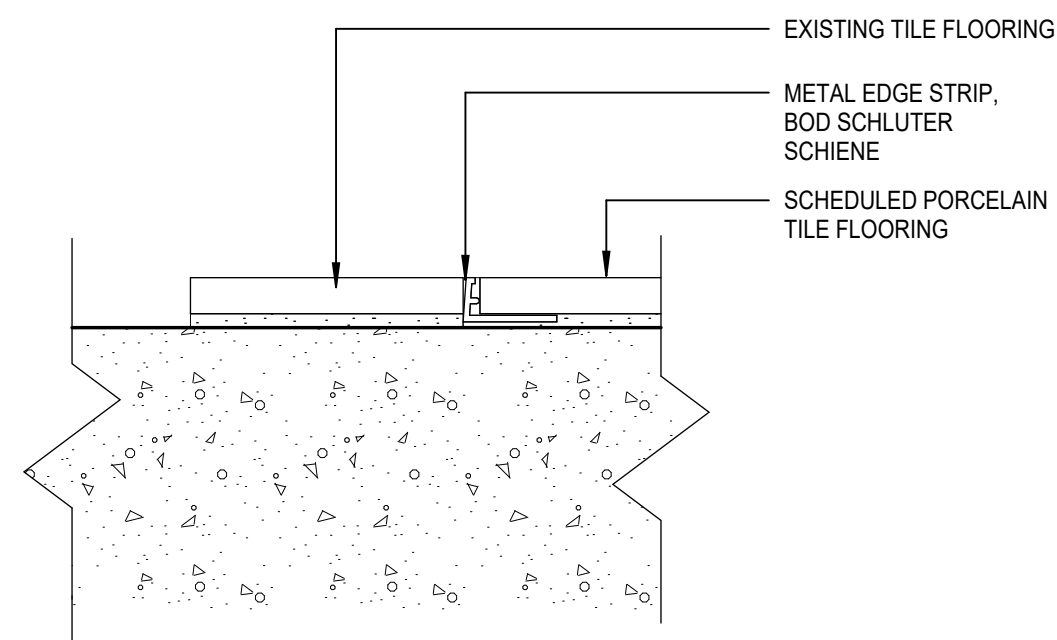
SHEET ID

I-102

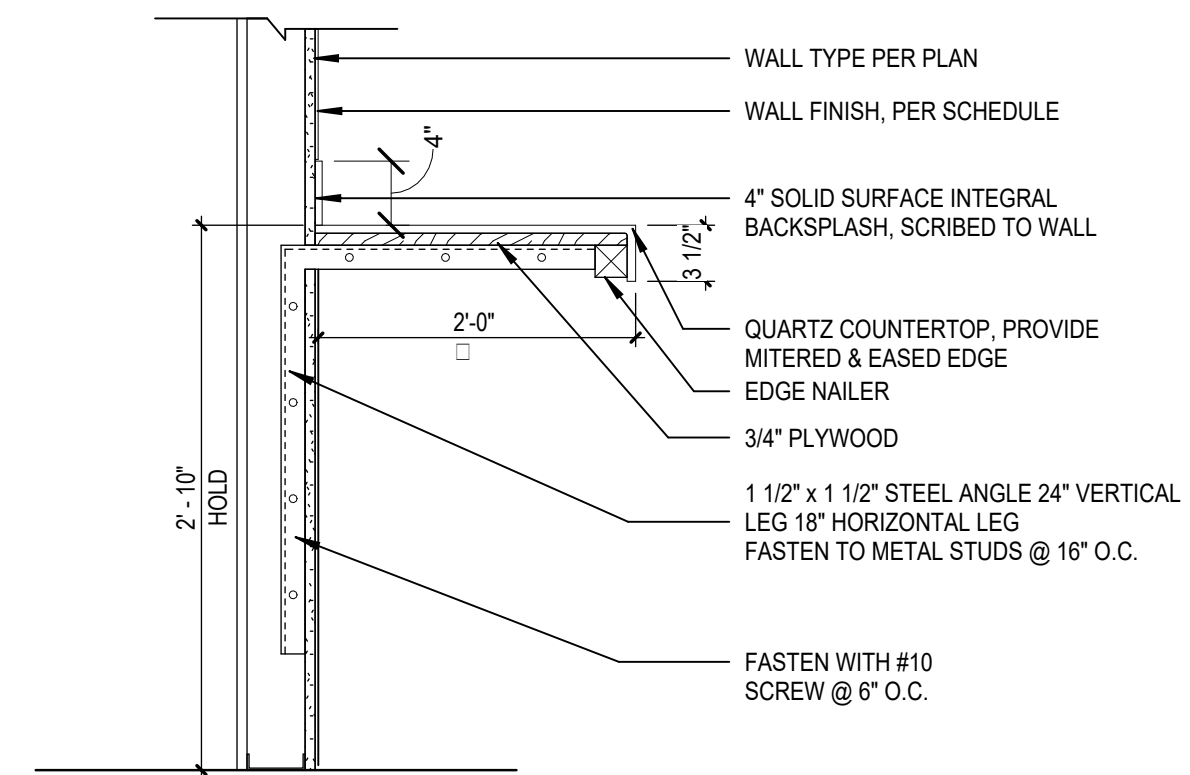




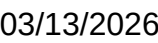
BENCH @ LOCKER - DOUBLE SIDED ISLAND
1" = 1'-0"

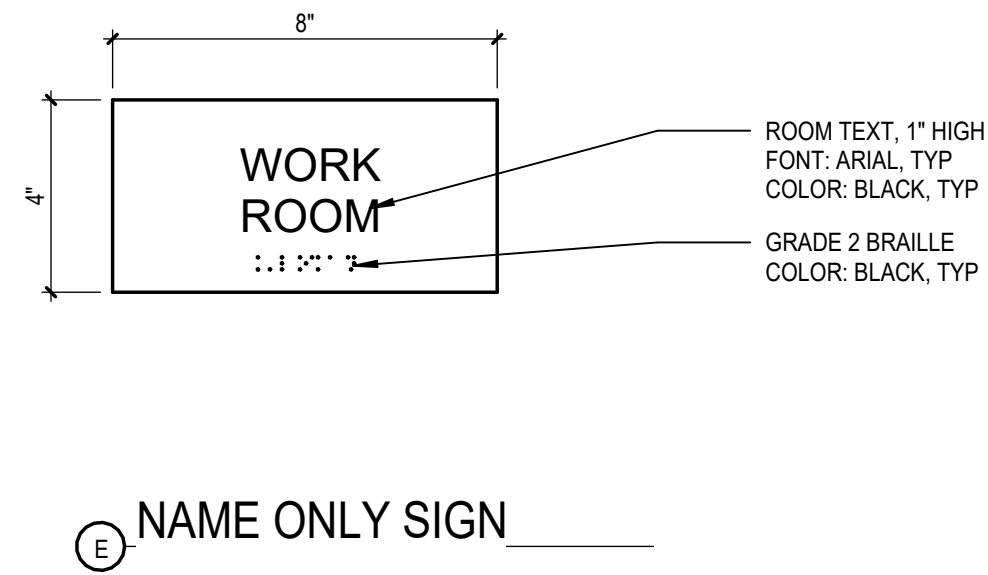


E9 TRANSITION - EXIST TILE TO TILE
3" = 1'-0"



E15 TYP. WALL MOUNTED COUNTER
1" = 1'-0"





1

2

3

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GENERAL STRUCTURAL NOTES

GENERAL

1. THE DRAWINGS REPRESENT THE FINISHED STRUCTURE, NOT THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE RESEARCH, DESIGN, SAFETY, ADEQUACY, AND INSPECTION OF ERECTION BRACING, SHORING, GUYING, TEMPORARY SUPPORTS, ETC, IS THE RESPONSIBILITY OF THE CONTRACTOR.

2. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS AND METHODS, SEQUENCES OF CONSTRUCTION, OR CONSTRUCTION TECHNIQUES USED TO PERFORM THE WORK. OBSERVATION VISITS TO THE SITE WILL NOT INVOLVE REVIEW OF THESE ITEMS.

3. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PROGRAM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON, NOR ISSUE DIRECTION, AS TO SAFETY PRECAUTIONS AND PROGRAMS. OBSERVATION VISITS TO THE SITE WILL NOT INVOLVE REVIEW OF THESE ITEMS.

4. CONTRACTOR IS TO ESTABLISH AND VERIFY OPENINGS AND INSERTS FOR ITEMS TO BE INSTALLED BY OTHER TRADES PRIOR TO SUBMITTAL OF SHOP DRAWINGS AND CONSTRUCTION.

5. CONSTRUCTION MATERIAL AND EQUIPMENT LOADS PLACED ON THE STRUCTURE DURING THE CONSTRUCTION PROCESS SHALL NOT EXCEED THE DESIGN LIVE LOAD OF THE STRUCTURE NOTED IN THESE DRAWINGS. THE ENGINEER SHALL NOT BE RESPONSIBLE TO INVESTIGATE, NOR APPROVE, THE STRUCTURE FOR CONSTRUCTION MATERIAL OR EQUIPMENT LOADING. ERECTION OR CONSTRUCTION LOADS ARE NOT TO BE APPLIED UNTIL PROPER STRUCTURAL FRAMING CONNECTIONS ARE MADE, AND ALL TEMPORARY BRACING IS IN PLACE. THE CONTRACTOR SHALL DESIGN AND PROVIDE TEMPORARY BRACING OF THE STRUCTURE WHERE NECESSARY FOR CONSTRUCTION LOADS.

6. DETAILS THAT ARE NOTED AS "TYPICAL" OR "TYP" ON DETAIL TITLES ARE TO BE APPLIED TO THE PROJECT CONSTRUCTION AS GENERAL CONSTRUCTION METHODS UNLESS NOTED OTHERWISE. THESE DETAILS ARE NOT CUT AT ALL LOCATIONS WHERE THEY OCCUR, AND THEY MAY NOT BE CUT AT ALL. WHERE NO SPECIFIC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR CONDITIONS ELSEWHERE ON THE PROJECT, SUBJECT TO APPROVAL OF THE CONTRACTING OFFICER.

7. DO NOT SCALE DRAWINGS. CONTRACTOR IS TO VERIFY ALL DIMENSIONS RELATIVE TO ARCHITECTURAL OR OTHER DISCIPLINE DRAWINGS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE REPORTED TO THE CONTRACTING OFFICER PRIOR TO CONSTRUCTION.

8. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND SPECIFICATIONS. THE CONTRACTOR SHALL ESTABLISH AND VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERT ANCHORS, HOLES, AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK. DO NOT PENETRATE ANY STRUCTURAL ELEMENTS (BEAMS, COLUMNS, WALLS, SLABS, STEEL DECKS, ETC) WITHOUT PRIOR WRITTEN APPROVAL OF THE CONTRACTING OFFICER.

DESIGN CRITERIA

1. ALL CONSTRUCTION, MATERIALS, AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THESE DRAWINGS, SPECIFICATIONS, AND THE CODES, RULES AND REGULATIONS OF THE 2024 INTERNATIONAL BUILDING CODE (IBC), AS ADOPTED AND AMENDED BY THE UNIFIED FACILITIES CRITERIA (UFC) HEREAFTER REFERRED TO AS THE BUILDING CODE.

2. MATERIAL SPECIFIC DESIGN STANDARDS LISTED IN THESE GENERAL NOTES ARE THE VERSION REFERENCED BY THE BUILDING CODE. IF NOT REFERENCED BY THE BUILDING CODE, USE THE LATEST EDITION APPROVED BY THE AUTHORITY HAVING JURISDICTION ON THE DATE OF THE PERMIT ISSUANCE.

3. RISK CATEGORYII

4. EXISTING DEAD LOADS
METAL ROOF - TOTAL25 PSF (INCLUDES STRUCTURE SELF WEIGHT)
CONCRETE BARREL VAULT100 PSF (INCLUDED IN TOTAL DEAD LOAD)
MEZZANINE FLOOR25 PSF (INCLUDES STRUCTURE SELF WEIGHT)

5. DESIGN LIVE LOADS
FIRST FLOOR100 PSF
MECHANICAL MEZZANINE125 PSF
ROOF LIVE LOAD20 PSF

6. SNOW LOADS
GROUND SNOW LOAD, P_g20 PSF
FLAT-ROOF SNOW LOAD, P_f20 PSF
SNOW EXPOSURE FACTOR, C_e1.2
THERMAL FACTOR, C_t1.0
SNOW LOAD IMPORTANCE FACTOR, I_s1.0

7. WIND LOADS
BASIC DESIGN WIND SPEED (3-SEC GUST), V108 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, V_{asd}84 MPH
EXPOSURE CATEGORYC
TOPOGRAPHIC FACTOR, K_{zt}1.0
AIR DENSITY FACTOR, K_e1.0
INTERNAL PRESSURE COEFFICIENT, GC_{pi}+/- 0.18

8. SEISMIC LOADS
SITE LATITUDE39.9808
SITE LONGITUDE-82.9096
SITE CLASSD
MAPPED SPECTRAL RESPONSE ACCELERATIONS
S₈ = 0.116
S₁ = 0.059
S_{0.2} = 0.124
S_{0.1} = 0.094
DESIGN SPECTRAL RESPONSE ACCELERATIONS
S_{D1} = 0.094
SEISMIC DESIGN CATEGORYB
IMPORTANCE FACTOR, I_e1.0
SEISMIC FORCE RESISTING SYSTEM:BEARING WALL SYSTEM WITH UN-REINFORCED MASONRY SHEAR WALLS
RESPONSE MODIFICATION FACTOR, R2.0
OVERSTRENGTH FACTOR, Ω₀2.5
DEFLECTION AMPLIFICATION FACTOR, Cd1.75
REDUNDANCY FACTOR, ρ1.0
LONG PERIOD T6 SEC
ANALYSIS PROCEDUREEQUIVALENT LATERAL FORCE
SEISMIC RESPONSE COEFFICIENT, Cs0.062

9. RAIN INTENSITY2.8 INCH/HOUR

GEOTECHNICAL & FOUNDATIONS

1. FOUNDATION DESIGN IS BASED ON THE CODE PRESUMPTIVE MINIMUM VALUES PER IBC 1806.2. THE AHJ SHALL BE PERMITTED TO REQUIRE THAT A GEOTECHNICAL INVESTIGATION AND SOIL REPORT BE SUBMITTED WHERE SOIL CLASSIFICATION, STRENGTH, OR COMPRESSIBILITY IS QUESTIONABLE OR ANY ADVERSE SOIL CONDITIONS ARE FOUND, PER IBC 1803.5.2

2. ALLOWABLE NET SOIL BEARING PRESSURE1,500 PSF
MINIMUM FOOTING EMBEDMENT BELOW GRADE32 INCHES

3. CONTRACTOR SHALL PROVIDE TEMPORARY FROST PROTECTION FOR FOUNDATIONS NOT CONSTRUCTED TO FROST DEPTH IF CONSTRUCTION IS TO TAKE PLACE IN WINTER MONTHS.

4. ALL FOUNDATION EXCAVATIONS AND BEARING SURFACES SHALL BE OBSERVED AND APPROVED BY THE GEOTECHNICAL ENGINEER / TESTING AGENCY PRIOR TO PLACING FOUNDATION CONCRETE.

5. DEPTHS/ELEVATIONS SHOWN ON PLANS AND DETAILS ARE MINIMUM. NOTIFY ENGINEER OF ANY NECESSARY DEVIATIONS FROM THE FOOTING ELEVATIONS SHOWN ON THE DRAWINGS PRIOR TO CONSTRUCTING THE FOOTINGS.

6. NEW FOOTINGS LOCATED IMMEDIATELY ADJACENT TO EXISTING FOOTINGS SHALL BE FOUNDED AT THE SAME ELEVATION AS THE EXISTING FOUNDATIONS. UNO. THE EXISTING FOOTINGS SHALL NOT BE UNDERMINED BY NEW CONSTRUCTION. UNO.

7. DETERMINE THE LOCATION OF ALL NEW/EXISTING UNDERGROUND UTILITIES IN AND ADJACENT TO THE AREA OF WORK PRIOR TO COMMENCING EXCAVATION. COORDINATE UTILITY LOCATIONS WITH FOUNDATIONS AS REQUIRED.

8. CONTRACTOR SHALL CONFIRM THE AS-BUILT LOCATION OF ANY POTENTIAL NEW OR EXISTING STRUCTURES OR OBJECTS WITHIN THE ZONE OF EXCAVATION INCLUDING WORK PERFORMED AS A PORTION OF THIS PROJECT BEFORE EXCAVATING OR INSTALLING FOUNDATION ELEMENTS. NOTIFY THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY EXCAVATIONS OR OTHER SITE WORK. IF THE EXCAVATION WILL CUT BELOW AN ADJACENT STRUCTURE'S BOTTOM OF FOOTING ELEVATION OR IF AN ADJACENT STRUCTURE IS UP SLOPE FROM THE PLANNED SITE WORK.

9. THE EXTERIOR VERTICAL FACE OF ALL EXPOSED SLAB TURNDOWNS SHALL BE FORMED. THE SIDES OF FOOTINGS MAY BE EARTH FORMED AS LONG AS THE SOIL WILL MAINTAIN A VERTICAL FACE. ALL FOUNDATION STEM WALLS AND RETAINING WALLS SHALL BE FORMED ON BOTH SIDES OF THE WALL.

10. CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER OR SEEPAGE.

11. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, UNDERPINNING AND PROTECTION OF EXISTING CONSTRUCTION. COMPLY WITH ALL APPLICABLE OSHA REGULATIONS.

CAST-IN-PLACE CONCRETE MIX DESIGNS

1. THE CONCRETE MIX TABLE SHOWN BELOW SHALL APPLY TO ALL CONCRETE MIX DESIGNS USED FOR STRUCTURAL ITEMS IN THIS PROJECT. MIX DESIGN SUBMITTALS SHALL BE IDENTIFIED FOR INTENDED STRUCTURAL USE AND SUBMITTED TO THE OWNER'S REPRESENTATIVE AND ENGINEER FOR REVIEW PRIOR TO PLACING ANY CONCRETE. WHEN CONCRETE MIX DESIGNS ARE A DELEGATED DESIGN ITEM, THE SUBMITTED MIX DESIGN SHALL BEAR THE SEAL AND SIGNATURE OF THE ENGINEER RESPONSIBLE FOR THEIR DESIGN.

CONCRETE MIX DESIGNS								
PLACEMENT LOCATION	56 DAY Fc (psi)	MAX W/C RATIO	ENTRAINED AIR	MAX AGG SIZE	WEIGHT	MAX DRY UNIT WEIGHT (pcf)	EXPOSURE CLASS	CEMENT TYPE
FOOTINGS	4,500	0.55	6% ± 1.5%	1 1/2"	NWC	150	F1,W1,C1	I / II,IL
INTERIOR SLAB ON GRADE	4,000	0.45	—	3/4"	NWC	150		I / II,IL
EXTERIOR CONCRETE	4,500	0.40	6% ± 1.5%	3/4"	NWC	150	F2,W1,C1	I / II,IL

A. EXPOSURE CLASSES ARE F0, S0, W0, C0 UNLESS NOTED OTHERWISE IN THE TABLE ABOVE.

B. THE WATER-CEMENT RATIO IN CONCRETE CONTAINING POLYSILICATE ADMIXTURES SHALL CONFORM TO THE REQUIREMENTS OF THE ADMIXTURE SUPPLIER. SUBMIT ADMIXTURE PRODUCT DATA FOR REVIEW WITH THE MIX DESIGN SUBMITTAL. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

C. CONCRETE MIXES SHALL COMPLY WITH ACI 318 SECTION 19.3 FOR THE EXPOSURE CLASSES INDICATED THE TABLE ABOVE. FOR CLASSES F1 THROUGH F3, AIR ENTRAINMENT SHALL MEET THE REQUIREMENTS OF ACI 318 TABLE 19.3.3.1.

D. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150 OR C-595 OF THE TYPE SPECIFIED IN THE TABLE ABOVE.

E. AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C-33. AGGREGATE FOR LIGHT WEIGHT CONCRETE SHALL CONFORM TO ASTM C-330.

F. WATER SHALL BE CLEAR, POTABLE AND SHALL CONFORM TO ASTM C-94.

G. CONCRETE MIXING OPERATION SHALL CONFORM TO ASTM C-94.

SLABS-ON-GROUND/GRADE

1. VERIFY ALL TOP OF SLAB ELEVATIONS COMPLY WITH THE ARCHITECTURAL DRAWINGS. SEE ARCHITECTURAL FOR LOCATION AND EXTENT OF SPECIAL FINISHES OR TREATMENTS TO EXPOSED CONCRETE.

2. ALL INTERIOR SLABS ON GROUND/GRADE SHALL BE CAST ON A 15 MIL VAPOR RETARDER INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS. PLACED OVER CRUSHED ROCK DRAINAGE MATERIAL TO FORM A CAPILLARY BREAK OF THICKNESS NOTED ON DRAWINGS, BUT NOT LESS THAN THAT PRESCRIBED BY THE GEOTECHNICAL ENGINEER.

3. CONTROL (CONTRACTION OR CONSTRUCTION) JOINTS SHALL BOUND ALL CONCRETE SLABS ON GROUND/GRADE AS SHOWN ON THE DRAWINGS. CONTROL JOINTS SHALL BE LOCATED SUCH THAT THE ENCLOSED AREA IS RELATIVELY SQUARE WITH A MAXIMUM ASPECT RATIO OF 1.5:1 AND DOES NOT EXCEED A SPACING EQUAL TO 3 TIMES (IN FEET) THE SLAB THICKNESS (IN INCHES) OR 15 FEET WHICHEVER IS LESS.

4. GENERAL CONTRACTOR SHALL SUBMIT CONTROL JOINT SHOP DRAWINGS AND PLACING SEQUENCES FOR APPROVAL PRIOR TO CONCRETE PLACEMENT. KEYED JOINTS NEED ONLY OCCUR AT CONSTRUCTION JOINTS. ALL CONTRACTION JOINTS MAY BE SAWCUT, UNO.

SLABS-ON-GROUND/GRADE (CONTINUED)

5. THE SLAB ON GROUND/GRADE IS NOT DESIGNED TO SUPPORT TRAFFIC FROM CRANES OR OTHER HEAVY CONSTRUCTION VEHICLES. CONTRACTOR SHALL REPAIR OR REPLACE DAMAGED CONCRETE SLABS.

6. REINFORCE SLABS, WITH #4 @ 16" OC EW, UNO.

7. ALL PIPING AND CONDUIT INSTALLED BELOW SLABS ON GROUND/GRADE SHALL BE INSTALLED ENTIRELY BELOW THE BOTTOM OF THE SLAB, WITH NO ENCROACHMENT INTO THE BOTTOM OF THE SLAB.

CONCRETE REINFORCEMENT

1. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, UNO.

2. REINFORCING STEEL TO BE WELDED SHALL BE ASTM A706, GRADE 60. NO WELDING OF REINFORCEMENT SHALL BE PERMITTED UNLESS SPECIFICALLY CALLED FOR OR REVIEWED AND APPROVED BY THE ENGINEER.

DEFORMED BAR ANCHORS (DBA) SHALL BE PROVIDED IN ACCORDANCE WITH NELSON STUD WELDING, INC ICC ESR 2907. ANCHORS SHALL BE SHOP WELDED TO STEEL USING A STUD WELDING GUN.

3. CONCRETE COVER REQUIREMENTS FOR CAST-IN-PLACE, NON-PRESTRESSED REINFORCEMENT UNLESS OTHERWISE NOTED ON DETAILS SHALL BE AS FOLLOWS:
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 BARS AND LARGER: 2"
#5 BARS AND SMALLER: 1 1/2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH:
SLABS, WALLS, AND JOISTS: 1 1/2"
#14 AND #18 BARS: 1"
#11 BARS AND SMALLER: 1"
BEAMS, COLUMNS:
PRIMARY REINFORCEMENT: 1 1/2"
TIES, STIRRUPS, SPIRALS: 1 1/2"

4. REINFORCING BAR SPLICES SHALL BE AS INDICATED ON THE DRAWINGS AND IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 AND THE REINFORCING SPLICE LENGTH SCHEDULE.

5. ALL HORIZONTAL WALL AND BEAM REINFORCING SHALL BEND AROUND ALL CORNERS, LAP WITH INTERSECTING REINFORCEMENT, AND LAP SHALL CONFORM TO LAP SPLICE AND ANCHORAGE SCHEDULE PROVIDED, UNO.

6. ALL REINFORCEMENT SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN CONFORMANCE WITH CRSI MANUAL OF STANDARD PRACTICE AND ACI 315 DURING CONCRETE PLACEMENT. NO WET SETTING OF REINFORCEMENT OR ACCESSORIES.

7. PROVIDE CORROSION RESISTANT ACCESSORIES SUCH AS PLASTIC COATED (NOT PLASTIC TIPPED) OR STAINLESS-STEEL CHAIRS IN ALL EXPOSED CONCRETE CONSTRUCTION. PRECAST CONCRETE CHAIRS OR SAND PLATE CHAIRS SHALL BE USED FOR THE SUPPORT OF REINFORCING ON GRADE. CONCRETE BLOCK OR CLAY MASONRY BRICK ARE NOT PERMITTED.

8. NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY DETAILED AS SUCH OR APPROVED BY THE ENGINEER IN WRITING.

9. WELDED WIRE REINFORCING (WWR) SHALL COMPLY WITH ASTM A1064. USE ONLY FLAT SHEETS. LAP ALL WWR AT LEAST TWO FULL WIRE SPACING OR 8", WHICHEVER IS GREATER. ALL WWR SHALL BE CHAIRED TO ITS PROPER HEIGHT AND MAINTAINED AT THE PROPER LEVEL THROUGHOUT THE CONCRETE PLACING OPERATION. LIFTING OF WWR WITH A HOOK DURING CONCRETE PLACEMENT SHALL NOT BE PERMITTED.

10. MECHANICAL COUPLERS SHALL BE TYPE 2 COUPLERS CAPABLE OF SUSTAINING 125% Fy.

11. ALL BARS INTERRUPTED BY STRUCTURAL STEEL SHALL EXTEND TO WITHIN 1" OF STRUCTURAL STEEL FLANGE OR WEB AND HAVE A 90 DEGREE HOOK, UNO.

12. REINFORCING STEEL PROJECTING FROM THE CONCRETE OR MASONRY AND CONNECTING DIRECTLY TO STRUCTURAL STEEL WHERE DIMENSIONAL CONTROL IS CRITICAL OR WHERE SPECIFICALLY NOTED ON THE PLAN SHALL BE TREATED AS AN ANCHOR ROD AND SHALL CONFORM TO THE TOLERANCES SPECIFIED IN SECTION 7.5 OF AISC 303-16 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".

13. WELDING OF REINFORCEMENT SHALL CONFORM TO THE 2017 EDITION OF AWS D1.4 "STRUCTURAL WELDING CODE - REINFORCING STEEL". WELDED CONNECTIONS NOT SPECIFIED ON THE PLANS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE ENGINEER.

14. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING AS THE VERTICAL REINFORCING, RESPECTIVELY, UNO.

MASONRY

1. MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR MASONRY STRUCTURES" (TMS 602), "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (TMS 402), AND THE BUILDING CODE.

2. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, NORMAL WEIGHT, WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2,000 PSI. CONCRETE MASONRY ASSEMBLIES SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,000 PSI (f'm).

3. MORTAR FOR ABOVE GRADE MASONRY SHALL CONFORM TO ASTM C270, TYPE S AND BELOW GRADE MASONRY SHALL BE TYPE M. ALL MORTAR SHALL MEET THE "PROPORTION SPECIFICATION" OF ASTM C270 AND BE MADE WITH PORTLAND CEMENT / LIME (NON-AIR - ENTRAINED). MASONRY CEMENT IS NOT ACCEPTABLE.

4. UNO, ALL WALLS SHALL BE LAID IN RUNNING BOND. BOND CORNERS AND INTERSECTIONS OF LOAD BEARING WALLS. ALL UNITS SHALL BE LAID WITH FULL MORTAR COVERAGE ON HEAD, BED (FACE SHELL), WEBS, AND COLLAR JOINTS, UNLESS NOTED OTHERWISE. BED JOINT THICKNESS SHALL NOT EXCEED 5/8".

5. GROUT SHALL CONFORM TO ASTM C476 WITH A MIN. 28-DAY COMPRESSIVE STRENGTH OF 2,000 PSI BUT NOT LESS THAN THE SPECIFIED NET AREA COMPRESSIVE STRENGTH OF THE MASONRY UNITS. GROUT AGGREGATE SHALL NOT EXCEED 3/8".

6. FILL ALL BOND BEAMS, LINTELS, AND REINFORCED CELLS SOLID WITH GROUT. ALL MASONRY BELOW GRADE SHALL BE GROUTED SOLID BELOW HIGHEST ADJACENT GRADE.

7. MASONRY REINFORCING STEEL SHALL BE ASTM A615, GRADE 60. REINFORCING STEEL TO BE WELDED SHALL BE ASTM A706, GRADE 60.

8. HORIZONTAL JOINT REINFORCING SHALL COMPLY WITH ASTM A 951 AND BE 9 GAUGE STANDARD LADDER TYPE, GALVANIZED, AT 16-INCHES ON CENTER. SPACE JOINT REINFORCING AT 8-INCHES ON CENTER AT NON-CAVITY MULTIPLYTHE WALLS. COLLAR JOINT BETWEEN WYTHES OF NON-CAVITY MULTIPLYTHE WALLS ARE TO BE MORTARED/GROUTED SOLID.

9. PROVIDE BOND BEAMS AT TOP OF ALL WALLS, ALL ROOF AND FLOOR LINES, AND WHERE INDICATED. MINIMUM BOND BEAM REINFORCING SHALL BE (2) #5 IN 8" AND 3" WIDE BOND BEAMS AND (2) #6 IN 12" WIDE BOND BEAMS. DISCONTINUE BOND BEAM REINFORCING AT CONTROL JOINTS EXCEPT AT FLOOR LEVELS, ROOF LEVELS, AND TOPS OF WALLS. PROVIDE CORNER BARS AT CORNERS AND WALL INTERSECTIONS.

10. ALL CMU WALL OPENINGS REQUIRE LINTELS.

11. SPLICE LENGTHS FOR MASONRY REINFORCEMENT SHALL BE IN 72 TIMES THE REINFORCING BAR DIAMETER, UNO.

12. REINFORCING SHALL BE HELD IN PLACE PRIOR TO GROUTING WITH AT LEAST TWO WIRE POSITIONERS PER GROUT POUR AND AT REINFORCING SPLICES. POSITIONERS SHALL PROVIDE REBAR CENTER TO CENTER SPACING OF 2 3/8-INCH FOR 8" BLOCK AND 6 3/8" FOR 12" BLOCK, UNO.

13. UNO, PROVIDE ADDITIONAL REINFORCED CELL FOR THE FULL HEIGHT OF THE WALL AT EACH SIDE OF ALL OPENINGS, CONTROL JOINTS, EXPANSION JOINTS, WALL ENDS, WALL CORNERS, AND WALL INTERSECTIONS.

14. ALL VERTICAL REINFORCING REQUIRED BY THESE NOTES OR SHOWN ON THE PLANS SHALL EXTEND FROM THE FOUNDATION TO THE TOP OF WALL. PROVIDE DOWELS FROM FOUNDATION OR SUPPORTING STRUCTURE TO MATCH VERTICAL BAR SIZE AND SPACING.

15. MASONRY CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL AND ELECTRICAL CONTRACTORS AND BUILD IN OPENINGS FOR ELECTRICAL PANELS, CONDUITS, PIPES, FIRE EXTINGUISHER CABINETS, DUCTS, ETC. AS NOT TO INTERFERE WITH REINFORCED AND/OR GROUTED CELLS. PIPES AND CONDUITS PASSING HORIZONTALLY THROUGH WALLS SHALL BE SLEEVED. MINIMUM SPACING OF SLEEVES SHALL BE THREE SLEEVE DIAMETERS.

16. MORTAR FINAL PROJECTION INTO THE GROUT SPACE SHALL NOT EXCEED 1/2 INCH.

17. SPACE CONTROL JOINTS IN MASONRY WALLS SUCH THAT NO STRAIGHT RUN OF WALL EXCEEDS EITHER 2 TIMES WALL HEIGHT OR 25'-0", UNO. THE CONTRACTOR SHALL NOT PLACE CONTROL JOINTS ABOVE / BELOW OPENINGS, WITHIN SCHEDULED JAMB EXTENTS, OR WITHIN 16" OF BEAM/JOIST BEARING PLATES. CONTROL JOINTS SHALL NOT JOG HORIZONTALLY.

COLD FORMED METAL FRAMING

1. DESIGN, FABRICATE, AND ERECT COLD-FORMED STEEL STRUCTURAL MEMBERS PER THE REQUIREMENTS OF THE LATEST EDITION OF THE SPECIFICATION FOR THE DESIGN OF COLD-FORMED STRUCTURAL MEMBERS BY THE AMERICAN IRON AND STEEL INSTITUTE, INCLUDING ALL APPLICABLE AMENDMENTS. WHERE REQUIRED, THE SEISMIC DESIGN OF COLD-FORMED STRUCTURAL MEMBERS, AISI S100 & S200, AND SHALL BE IN ACCORDANCE WITH THE ADDITIONAL PROVISIONS OF THE BUILDING CODE.

2. COLD FORMED METAL FRAMING (CFMF) AND CONNECTIONS TO THE STRUCTURAL SYSTEM SHALL BE DESIGNED AND DETAILED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE WHICH THE PROJECT IS LOCATED.

3. CFMF SHALL BE DESIGNED BY THE SUPPLIER TO RESIST LOADS INDICATED ON THE DRAWINGS. SEE LOADING PLANS AND ADDITIONAL LOADS NOTED.

4. CONNECTIONS AND ATTACHMENT TO THE STRUCTURE SHALL BE INSTALLED AS DESIGNED AND DETAILED BY THE CFMF SUPPLIER TO RESIST ALL LOADS INDICATED.

5. SUBMIT SIGNED AND SEALED CFMF SHOP DRAWINGS AND SPECIFICATIONS TO THE SEOR FOR REVIEW PRIOR TO FABRICATION.

6. MINIMUM YIELD STRENGTH FOR 43 AND 33 MIL STUDS, JOISTS, STRAPS, BRIDGING, ETC, SHALL BE 33 KSI MINIMUM. YIELD STRENGTH FOR 97, 68, AND 54 MIL STUDS, JOISTS, STRAPS, BRIDGING, ETC, SHALL BE 50 KSI MINIMUM.

7. PROVIDE CFMF MEMBERS WITH SECTION PROPERTIES REQUIRED TO RESIST APPLIED LOADING AND AS MANUFACTURED BY MEMBERS OF THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) COMPLYING WITH ICC ESR-3064P AND THE BUILDING CODE.

8. STUDS IN LOAD BEARING WALLS SHALL ALIGN VERTICALLY WITH THE JOIST OR TRUSS BEARING LOCATION ABOVE AND BELOW UNLESS NOTED OTHERWISE. PROVIDE DOUBLE STUDS AT ALL JAMBS, CORNERS, INTERSECTIONS, BEAM BEARINGS, AND JOIST BEARINGS. PROVIDE ADDITIONAL STUDS AT JAMBS AS REQUIRED BY THE CFMF SUPPLIER. ALL STUDS SHALL BE SECURELY SEATED FOR FULL END BEARING ON TOP AND BOTTOM TRACK.

9. TEMPORARY BRACING SHALL BE INSTALLED AND LEFT IN PLACE UNTIL OTHER MEANS IS PROVIDED TO ADEQUATELY BRACE THE STRUCTURE. STUD SUPPLIER AND INSTALLER SHALL PROVIDE ALL CONNECTORS, FASTENERS, BRIDGING AND BRACING AS REQUIRED TO PROVIDE A COMPLETE STABLE INSTALLATION.

POST-INSTALLED ANCHORS

1. UNO, THE FOLLOWING APPLIES TO ALL POST-INSTALLED ANCHORAGE INTO HARDENED CONCRETE OR MASONRY WHICH INCLUDES TYPES SUCH AS EXPANSION, WEDGE, SLEEVE, ADHESIVE / EPOXY, SHOT-PIN, SCREW AND UNDERCUT.

2. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED.

3. CONTRACTOR SHALL OBTAIN APPROVAL FROM ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING, DAMAGED OR MISPLACED CAST-IN-PLACE ANCHORS.

4. CARE SHALL BE GIVEN TO AVOID CONFLICTS WITH EXISTING REBAR OR EMBEDDED CONDUIT WHEN DRILLING HOLES. HOLES SHALL BE DRILLED AND CLEANED PER THE MANUFACTURER'S INSTRUCTIONS.

5. MAINTAIN A MINIMUM OF 2 INCHES FROM EXISTING REINFORCEMENT, CONDUIT, POST-TENSIONING (WHERE OCCURS), ETC. USE NON-DESTRUCTIVE TESTING TO LOCATE PRIOR TO DRILLING, CORING OR SHOOTING PINS INTO THE EXISTING CONCRETE OR MASONRY. FOR INSTALLATION DEEPER THAN 3 INCHES USE GROUND PENETRATING RADAR OR X-RAY METHODS.

6. ALL ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS, MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE ICC-ES REPORTS, INCLUDING, BUT NOT LIMITED TO, ALL ANCHOR SPACINGS, EMBEDMENTS AND EDGE DISTANCES.

7. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE ENGINEER PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE AND INSTALLATION TEMPERATURES.

8. EMBEDMENT REFERS TO THE FINAL INSTALLED EFFECTIVE DEPTH "H_{ef}". ALL ANCHORS SHALL HAVE EMBEDMENT NOTED OR EMBEDMENT AS RECOMMENDED BY MANUFACTURER WHERE NO EMBEDMENT IS SHOWN. REQUIRED ANCHOR HOLE DEPTH FOR INSTALLATION MAY BE DEEPER.

9. IF THE FULL ANCHOR EMBEDMENT DEPTH, SPACING OR EDGE DISTANCE CANNOT BE ACHIEVED, NOTIFY THE ENGINEER.

10. STEEL ANCHORING ELEMENTS SHALL BE THE SIZE AND GRADE SHOWN ON THE DRAWINGS AND MUST BE CLEAN, DRY AND FREE OF ANY OIL CONTAMINANTS. DO NOT INCREASE OR DECREASE SIZE OF ANCHOR WITHOUT APPROVAL OF ENGINEER.

11. ALL PERSONNEL INSTALLING POST-INSTALLED ANCHORS SHALL BE TRAINED BY THE MANUFACTURER ON PROPER INSTALLATION TECHNIQUE. TRAINING DOCUMENTATION FROM THE MANUFACTURER SHALL BE AVAILABLE UPON REQUEST.

12. INSTALLATION OF ADHESIVE ANCHORS IN HORIZONTAL TO VERTICALLY OVERHEAD ORIENTATION SHALL BE DONE BY A CERTIFIED ADHESIVE ANCHOR INSTALLER (AAI) AS CERTIFIED THROUGH ACI AND IN ACCORDANCE WITH ACI 318. PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE CONTRACTING OFFICER FOR APPROVAL PRIOR TO COMMENCEMENT OF INSTALLATION.

13. EXPANSION BOLTS IN CONCRETE MASONRY SHALL HAVE THE FOLLOWING LOAD CAPACITY:
a. TENSION: 1000 LB SERVICE
b. SHEAR: 1000 LB SERVICE

14. SCREW ANCHORS IN CONCRETE MASONRY SHALL HAVE THE FOLLOWING LOAD CAPACITY:
a. TENSION: 1000 LB SERVICE
b. SHEAR: 1000 LB SERVICE

15. ADHESIVE ANCHORS IN MASONRY SHALL HAVE THE FOLLOWING LOAD CAPACITY:
a. TENSION: 1000 LB SERVICE
b. SHEAR: 1000 LB SERVICE

16. EXPANSION BOLTS IN CONCRETE SHALL HAVE THE FOLLOWING LOAD CAPACITY:
a. TENSION: 1000 LB SERVICE
b. SHEAR: 1000 LB SERVICE

17. SCREW ANCHORS IN CONCRETE SHALL HAVE THE FOLLOWING LOAD CAPACITY:
a. TENSION: 1000 LB SERVICE
b. SHEAR: 1000 LB SERVICE

18. ADHESIVE ANCHORS IN CONCRETE SHALL HAVE THE FOLLOWING LOAD CAPACITY:
a. TENSION: 1000 LB SERVICE
b. SHEAR: 1000 LB SERVICE

19. ANCHORS ARE NOT TO BE INSTALLED UNTIL CONCRETE OR GROUT HAS REACHED IT'S DESIGN STRENGTH. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE WITH A MIN. AGE OF 21 DAYS.

20. MASONRY CELLS SHALL BE FULLY GROUTED AND CURED FOR INSTALLATION OF POST-INSTALLED ANCHORS.

21. USE INSTALLATION PROCEDURES FOR CRACKED CONCRETE CONDITIONS. DO NOT CORE DRILL FOR ANCHOR HOLES WITHOUT ENGINEER APPROVAL.

22. PROVIDE GALVANIZED CARBON STEEL ANCHORS AT DRY INTERIOR LOCATIONS AND STAINLESS-STEEL TYPE 304 OR 316 AT EXTERIOR / DAMP INTERIOR LOCATIONS. ANCHORS SHALL BE CLEAN AND FREE OF DEBONDING SUBSTANCES.

23. PATCH ABANDONED HOLES AND SPALLS USING NON-SHRINK GROUT AND REPAIR FINISHES AS REQUIRED. ANCHORS PENETRATING THROUGH WATERPROOFING OR VAPOR MEMBRANES SHALL BE SEALED OR FLASHED.

24. ADHESIVE / EPOXY ANCHORS ON THIS PROJECT ARE NOT DESIGNED TO SUPPORT OR INTENDED TO RESIST SUSTAINED TENSION LOADS.

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STRUCTURAL RENOVATION SCOPE

1. PROJECT STRUCTURAL SCOPE IS LIMITED TO THE FOLLOWING:

a. SUPPORT OF MECHANICAL EQUIPMENT, GROUND MOUNTED AND OVERHEAD FROM EXISTING FRAMING.

b. INFILL OF EXISTING OPENINGS.

c. NEW OPENINGS IN EXISTING MASONRY WALLS.

EXISTING CONDITIONS

1. CONTRACTOR IS TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING. ALL WORK AND MATERIALS NECESSARY TO INSTALL NEW WORK IN EXISTING BUILDING(S) SHALL BE INCLUDED.

2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND SHALL CONTACT THE CONTRACTING OFFICER IF ANY DISCREPANCIES ARE FOUND BEFORE PROCEEDING. NOTIFY CONTRACTING OFFICER IMMEDIATELY IF EXISTING CONDITIONS DO NOT MATCH, OR SEEM IN CONFLICT WITH, INFORMATION SHOWN ON DRAWINGS.

3. DIMENSIONS INDICATED ON PLAN AS FIELD VERIFY, OR "FV", ARE DIMENSIONS THAT MAY BE REQUIRED FOR FABRICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF DIMENSIONS IN THE FIELD NECESSARY FOR FABRICATION OF MEMBERS AND PRIOR TO SUBMISSION OF SHOP DRAWINGS.

4. CONTRACTOR TO PROVIDE PROTECTION FOR ALL EXISTING BUILDING MATERIALS AND EQUIPMENT TO REMAIN FROM DAMAGE DUE TO DEMOLITION OR CONSTRUCTION OPERATIONS PERFORMED UNDER THIS CONTRACT.

5. THE SEQUENCE OF CONSTRUCTION SHALL BE THE RESPONSIBILITY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY GUYS, BRACINGS, AND OTHER SUPPORTS AS NEEDED TO SAFELY RESIST ALL GRAVITY AND LATERAL LOADS TO WHICH THE EXISTING OR PROPOSED STRUCTURE MAY BE SUBJECTED, INCLUDING LOADS FROM ERECTION EQUIPMENT AND ERECTION OPERATIONS, AND WIND OR SEISMIC FORCES COMPARABLE IN INTENSITY FOR WHICH THE STRUCTURE IS DESIGNED. LOAD VERIFICATION OF EXISTING MEMBERS TO RECEIVE TEMPORARY SHORING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR'S ENGINEER.

6. ALL ERECTION AND CONSTRUCTION PROCEDURES SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE CODES AND ORDINANCES.

7. ALL FRAMING CONNECTIONS TO EXISTING STRUCTURE SHALL BE FIELD VERIFIED PRIOR TO SHOP DRAWING PRODUCTION AND FABRICATION. FIELD VERIFIED DIMENSIONS SHALL BE INCLUDED ON FIRST SHOP DRAWING SUBMITTAL AND NOTED AS SUCH.

8. EXISTING UTILITY LINES SHALL BE PROBED PRIOR TO CONSTRUCTION OF FOUNDATIONS. NOTIFY CONTRACTING OFFICER IF THE TOP OF ANY UTILITY PIPE COMES WITHIN 3'-0" OF THE BOTTOM OF ANY FOUNDATION. DETERMINE THE LOCATION OF ALL NEW AND EXISTING UNDERGROUND UTILITIES IN AND ADJACENT TO THE AREA OF WORK PRIOR TO EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES WHICH MAY RESULT FROM FAILURE TO EXACTLY LOCATE, PROTECT, AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES.

9. EXCAVATION UNDER OR NEAR IN-PLACE FOOTINGS WHICH DISTURBS THE COMPACTED SOIL BENEATH THE FOOTINGS IS NOT PERMITTED.

10. CONTRACTOR SHALL LOCATE REBAR IN EXIST. CONSTRUCTION PRIOR TO DRILLING OF HOLES AND SHALL TAKE CARE NOT TO DAMAGE EXIST. BARS. IF DAMAGE TO EXIST. REBAR OCCURS DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING THE DAMAGE. REPAIR PROCEDURES NOT DETAILED IN THE CONTRACT DOCUMENTS WILL REQUIRE PREPARATION BY A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED AND MUST BE APPROVED BY CONTRACTING OFFICER.

DEMOLITION

1. DEMOLITION OF EXISTING STRUCTURE TO BE REMOVED SHALL BE PERFORMED BY THE CONTRACTOR USING MEANS NECESSARY TO PREVENT DAMAGE TO THE EXISTING STRUCTURE TO REMAIN. DAMAGE TO THE EXISTING STRUCTURE TO REMAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE USING METHODS REVIEWED BY THE STRUCTURAL ENGINEER. IF EXISTING CONDITIONS DIFFER FROM THOSE SHOWN IN THE CONTRACT DOCUMENTS CONTACT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.

2. SHORING OF THE EXISTING STRUCTURE SHALL BE PROVIDED BY THE CONTRACTOR AND DESIGNED BY A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED.

UNREINFORCED MASONRY (URM)

1. THE INTENT OF THIS DESIGN IS TO PROMOTE PUBLIC SAFETY AND WELFARE BY REDUCING THE RISK OF DEATH OR INJURY THAT MAY RESULT FROM THE EFFECTS OF EARTHQUAKES ON EXISTING URM BEARING WALL BUILDING(S).

2. ALL (N) HOLES OR PENETRATIONS IN (E) URM SHALL BE DRILLED OR CORED WITH AN ELECTRIC ROTARY DRILL. NO IMPACT TOOL OF ANY KIND SHALL BE USED ON (E) URM.

3. BENT RODS SHALL BE PRE-BENT, AS DETAILED. RODS SHALL NOT BE BENT AFTER INSTALLED IN (E) URM.

4. INSTALLATION AND TESTING OF (N) ANCHORS AND (N) DOWELS INTO (E) URM USING ADHESIVE SHALL BE IN CONFORMANCE W/ CURRENT THIRD PARTY EVALUATION REPORT. SPECIAL INSPECTION IS REQUIRED.

5. VERIFY LOCATION OF ALL REINFORCEMENT BY NONDESTRUCTIVE METHOD PRIOR TO DRILLING OR CORING INTO (E) REINFORCED CONCRETE OR MASONRY.

REINFORCING LAP SPLICE (PER ACI 318 AND 2024 IBC)

REBAR SIZE	FOOTING	GRADE BEAM (TOP)	GRADE BEAM (BOTT)	WALL HORIZ	WALL VERT	SLAB	BEAM (TOP)	BEAM (BOTT)	COLUM N (I)
#3	#10	16	17	16	12	16	16	16	--
#4	#13	19	23	18	19	19	20	20	16
#5	#16	24	28	22	28	28	30	25	19
#6	#19	29	34	26	37	37	40	29	23
#7	#22	41	49	38	60	60	64	48	37
#8	#25	47	56	43	74	74	80	61	47
#9	#29	53	69	54	90	90	96	75	58
#10	#32	60	85	66	108	108	116	91	70
#11	#36	66	103	79	127	127	136	109	84
#14	#43	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
#18	#57	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)

NOTES:

(1) FOR COMPRESSION LAPS ONLY, F_y ≤ 60,000 PSI, F_c ≥ 3,000 PSI

(2) GENERALLY NOT PERMITTED

REINFORCING LAP SPLICE TABLE

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S-002

NO SCALE

STATEMENT OF SPECIAL INSPECTIONS

1. IN ACCORDANCE WITH IBC, SECTION 1704, THE CONTRACTOR SHALL EMPLOY ONE OR MORE QUALIFIED SPECIAL INSPECTORS AND/OR TESTING AGENCIES TO PERFORM STRUCTURAL TESTS AND SPECIAL INSPECTIONS ON THE TYPES OF WORK LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS.

2. THE DESIGNATED ENGINEER OF RECORD FOR SPECIAL INSPECTIONS SHALL BE RESPONSIBLE FOR DEFINING THE ACTIVITIES OF THE INSPECTORS, FOR CERTIFYING THE QUALIFICATIONS OF THE INSPECTORS WITH THE AHJ, AND TO ATTEND THE PRE-CONSTRUCTION MEETING TO DEFINE THEIR SCOPE OF SERVICES AND THE TESTING OR TEST PROCEDURES THAT ARE REQUIRED AS OUTLINED IN THE BUILDING CODE.

3. THE INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO VERIFY CONFORMANCE WITH THE APPROVED CONTRACT DOCUMENTS.

4. THE INSPECTOR SHALL FURNISH DAILY INSPECTION REPORTS ON THE WORK TO THE CONTRACTING OFFICER. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND, IF UNCORRECTED, TO THE CONTRACTING OFFICER.

5. THE DESIGNATED ENGINEER OF RECORD FOR SPECIAL INSPECTIONS SHALL COMPLETE, SIGN AND SEAL A FINAL REPORT CERTIFYING THAT TO THE BEST OF THEIR KNOWLEDGE, THE WORK IS IN CONFORMANCE WITH THE APPROVED CONTRACT DOCUMENTS.

6. CONCRETE: PER IBC SECTION 1705.3 AND TABLE 1705.3 WITH EXCEPTIONS. THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION: ALL CONCRETE, EXCEPT, SLAB-ON-GRADE, SIDE WALKS, AND PAVEMENT.

7. STRUCTURAL MASONRY: MASONRY CONSTRUCTION SHALL BE INSPECTED AND VERIFIED IN ACCORDANCE WITH TMS 402/602-16:

a. ENGINEERED MASONRY IN RISK CATEGORY I, II, OR III STRUCTURES: THE MINIMUM SPECIAL INSPECTION PROGRAM FOR MASONRY SHALL COMPLY WITH LEVEL 2 QUALITY ASSURANCE, TABLE 4.

b. NOTUSED.

8. WELDING: WELDING INSPECTION SHALL BE IN COMPLIANCE WITH AWS D1.1. THE BASIS FOR WELDING INSPECTOR QUALIFICATIONS SHALL BE AWS D1.1. PROVIDE SPECIAL INSPECTION IN ACCORDANCE WITH AISC 360-16 TABLE N5.4-1 THROUGH TABLE N5.4-3.

9. GRADING, EXCAVATION AND FILLING: PER SECTION 1705.6 AND TABLE 1705.6.

10. EXPANSION BOLT, SCREW ANCHOR AND ADHESIVE ANCHORS: INSTALLATION TO VERIFY INSTALLATION IN ACCORDANCE WITH ICC-ES REPORTS NOTED PREVIOUSLY OR APPROVED EQUAL.

CONCRETE CONSTRUCTION, INCLUDING COMPOSITE DECK – VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2024 IBC TABLE 1705.3 (ACI 318-19 REFERENCES NOTED IN IBC TABLE)

TASK	INSPECTION TYPE ¹	DESCRIPTION
subject to sustained tension loading.		✓ Verify that installer is certified for installation of horizontal and overhead installation applications ✓ Verify proof loading as required by the contract documents
5. Verify use of required mix design	PERIODIC	Verify that all mixes used comply with the approved construction documents
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	CONTINUOUS	At the time fresh concrete is sampled to fabricate specimens for strength test, verify these tests are performed by qualified technicians.
7. Inspect concrete and/or shotcrete placement for proper application techniques	CONTINUOUS	Verify proper application techniques are used during concrete conveyance and that depositing avoids segregation or contamination. Verify that concrete is properly consolidated.
8. Verify maintenance of specified curing temperature and technique	PERIODIC	Inspect curing and cold weather, or hot weather protection procedures.
9. Inspect prestressed concrete	CONTINUOUS	Verify application of prestressing forces and grouting of bonded prestressing tendons.
10. Inspect erection of precast concrete members	PERIODIC	✓ Verify dimensional tolerances for precast members and interfacing members. ✓ Verify details of lifting devices, embedments, and related reinforcement required to resist temporary loads from handling, storage, transportation, and erection, if designed by the licensed design professional.
11. Inspect precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability element (MDE or HDE) in structures assigned to Seismic Design Category C, D, E, or F	CONTINUOUS	Inspect such connections and reinforcement in the field for: ✓ Installation of the embedded parts ✓ Completion of the continuity of reinforcement across joints. ✓ Completion of connections in the field
12. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5	PERIODIC	

END SECTION

A. STRUCTURAL STEEL – WELDING

ALL OR PORTIONS OF THIS SECTION ARE APPLICABLE IF BOX IS CHECKED: ☐

STEEL INSPECTION PRIOR TO WELDING – VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2024 IBC 1705.2.1, AISC 360-22: Table N5.4-1 and Table C-N5.4-1

TASK	INSPECTION TYPE	DESCRIPTION
1. Verify that the welding procedures specification (WPS) is available	PERFORM	
2. Verify manufacturer certifications for welding consumables are available	PERFORM	
3. Verify material identification	PERFORM	Type and grade.
4. Verify use of qualified welders	PERFORM	Welding by welders, welding operators, and tack welders who are qualified in conformance with connectors, and anchor bolts
5. Welder Identification System	OBSERVE	✓ Fabricator or erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified. ✓ Die stamping of members subjected to fatigue shall be prohibited unless approved by the engineer of record.
6. Fit-up of groove welds (including joint geometry)	OBSERVE	✓ Joint preparation ✓ Dimensions (alignment, root opening, root face, bevel) ✓ Cleanliness (condition of steel surfaces) ✓ Tacking (tack weld quality and location)
7. Fit-up of CJP groove welds of HSS T, V, and I connections without backing (including joint geometry)	PERFORM	✓ Joint preparations ✓ Dimensions (alignment, root opening, root face, bevel) ✓ Cleanliness (condition of steel surfaces) ✓ Tacking (tack weld quality and location)
8. Configuration and finish of access holes	OBSERVE	
9. Fit-up of fillet welds	OBSERVE	✓ Dimensions (alignment, gaps at root) ✓ Cleanliness (condition of steel surfaces) ✓ Tacking (tack weld quality and location)

STEEL INSPECTION DURING WELDING – VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2024 IBC 1705.2.1, AISC 360-22: Table N5.4-2 and Table C-N5.4-2

TASK	INSPECTION TYPE	DESCRIPTION
10. Control and handling of welding consumables	OBSERVE	✓ Packaging ✓ Electrode atmospheric exposure control
11. No welding over cracked tack welds	OBSERVE	
12. Environmental conditions	OBSERVE	✓ Wind speed within limits ✓ Precipitation and temperature

END SECTION

CONCRETE CONSTRUCTION, INCLUDING COMPOSITE DECK – VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2024 IBC TABLE 1705.3 (ACI 318-19 REFERENCES NOTED IN IBC TABLE)

TASK	INSPECTION TYPE ¹	DESCRIPTION
13. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs	PERIODIC	See ACI 318 26.11.2
14. Inspect formwork for shape, location and dimensions of the concrete member being formed.	PERIODIC	Formwork fabrication and installation shall result in final structure that conforms to shapes, lines, and dimensions of the members as required by the construction documents.

END SECTION

B. STRUCTURAL STEEL – BOLTING

ALL OR PORTIONS OF THIS SECTION ARE APPLICABLE IF BOX IS CHECKED: ☐

STEEL INSPECTION TASKS PRIOR TO BOLTING – VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2024 IBC 1705.2.1, AISC 360-22: Table N5.6-1 and Table C-N5.6-1

TASK	INSPECTION TYPE ¹	DESCRIPTION
1. Verify manufacturer's certifications available for fastener materials	PERFORM	
2. Fasteners marked in accordance with ASTM requirements	OBSERVE	
3. Proper fasteners selected for joint detail (grade, type, bolt length if threads are to be excluded from shear plane)	OBSERVE	
4. Proper bolting procedure selected for joint detail	OBSERVE	
5. Connecting elements, including appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	OBSERVE	
6. Pre-installation verification testing for each fastener assembly performed by installation personnel, carefully observing and documenting the installation methods.	OBSERVE	Check if the fastener assemblies and the installation methods are capable of achieving 105%, or more, of the minimum required bolt pretension.
7. Proper storage provided for bolts, nuts, washers, and other fastener components	OBSERVE	

STEEL INSPECTION TASKS DURING BOLTING – VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2024 IBC 1705.2.1, AISC 360-22: Table N5.6-2 and Table C-N5.6-2

TASK	INSPECTION TYPE	DESCRIPTION
8. Fastener assemblies of suitable condition, placed in all holes and washers (if required) are positioned as required	OBSERVE	
9. Joint brought to the snug-tight condition prior to pretensioning operation	OBSERVE	
10. Fastener component not turned by the wrench prevented from rotating	OBSERVE	
11. Bolts are pretensioned in accordance with RCSC Specification, progressing systematically from the most rigid point toward the free edges	OBSERVE	

STEEL INSPECTION TASKS AFTER BOLTING – VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2024 IBC 1705.2.1, AISC 360-22: Table N5.6.3 and Table C-N5.6-3

TASK	INSPECTION TYPE	DESCRIPTION
12. Acceptance or rejection of all bolted connections	DOCUMENT	

END SECTION

MASONRY CONSTRUCTION – VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2024 IBC 1705.4 (TMS 402/602-22 TABLE 3 & 4)

TASK	INSPECTION TYPE ¹	DESCRIPTION
1. Verify compliance with approved submittals prior to start	PERIODIC	
2. Verify proportions of site-mixed mortar.	PERIODIC	
3. Verify grade, type and size of reinforcement, connectors, and anchor bolts	PERIODIC	
4. Verify sample panel construction	PERIODIC CONTINUOUS	[NOTE:–DOR–must–either delete–PERIODIC–for–Risk Category–I/II/–, or–delete ‘CONTINUOUS’–for–Risk Categories–I/II/III]

MASONRY CONSTRUCTION – VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH PRIOR TO GROUTING IBC 1705.4 (TMS 402/602-22 TABLE 4)

TASK	INSPECTION TYPE	DESCRIPTION
5. Verify grout space	PERIODIC CONTINUOUS	[NOTE:–DOR–must–either delete–PERIODIC–for–Risk Category–I/II/–, or–delete ‘CONTINUOUS’–for–Risk Categories–I/II/III]
6. Verify placement of reinforcement, connectors, and anchor bolts	PERIODIC CONTINUOUS	[NOTE:–DOR–must–either delete–PERIODIC–for–Risk Category–I/II/–, or–delete ‘CONTINUOUS’–for–Risk Categories–I/II/III]
7. Verify proportions of site-prepared grout	PERIODIC	

MASONRY CONSTRUCTION – VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH DURING CONSTRUCTION IBC 1705.4 (ACI 530-16 TABLE 4)

TASK	INSPECTION TYPE	DESCRIPTION
8. Verify compliance of materials and procedures with the approved submittals	PERIODIC	
9. Verify placement of masonry units and mortar joint construction	PERIODIC	
10. Verify size and location of structural elements	PERIODIC	
11. Verify type, size and placement of reinforcement, connectors, anchor bolts, and anchorages, including details of anchorage of masonry to structural members, frames, or other construction	PERIODIC CONTINUOUS	[NOTE:–DOR–must–either delete–PERIODIC–for–Risk Category–I/II/–, or–delete ‘CONTINUOUS’–for–Risk Categories–I/II/III]
12. Verify type, size and location of veneer ties and movement joints	PERIODIC	Periodic inspection of veneers is required when the height of the veneer exceeds 60 ft (18.3 m) above grade plane. See Commentary in Appendix A.

END SECTION

ABBREVIATIONS

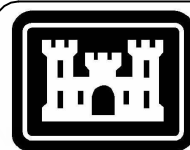
ABBREVIATIONS ARE AS SHOWN IN THE CONTRACT DOCUMENTS WITH THE FOLLOWING EXCEPTIONS:

#	REINFORCING BAR SIZE, AT (SPACING)	LN	LINEAR
Ø	DIAMETER	LLBB	LIVE LOAD
		LLH	LONG LEG
		LLV	LONG LEG HORIZONTAL
		LONG	LONGITUDINAL
AB	ANCHOR BOLT	Ls	REINFORCING BAR LAP SPLICE
ABC	AGGREGATE BASE COURSE	LENGTH	
ADDL	ADDITIONAL	LSH	LONG SLOTTED HOLE
AFF	ABOVE FINISHED FLOOR	LVL	LAMINATED VENEER LUMBER
AGG	AGGREGATE	LOW	LONG WAY
AHJ	AUTHORITY HAVING JURISDICTION	MAX	MAXIMUM
ALT	ALTERNATE	MECH	MECHANICAL
ANCH	ANCHOR	MEP	MECHANICAL, ELECTRICAL & PLUMBING
APPROX	APPROXIMATE	MFR	MANUFACTURER
AR	ANCHOR ROD	MIN	MINIMUM
ARCH	ARCHITECTURAL	MISC	MISCELLANEOUS
		MTL	METAL
B/	BOTTOM OF	MWFRS	MAIN WIND FORCE RESISTING SYSTEM
BOD	BOTTOM OF DECK	(N)	NEW
BLDG	BUILDING	NA	NOT APPLICABLE
BLKG	BLOCKING	NIC	NOT IN CONTRACT
BM(S)	BEAM(S)	NO	NO
BOF	BOTTOM OF FOOTING	NS	NEAR SIDE
BOL	BOTTOM OF LINTEL	NTS	NOT TO SCALE
BOS	BOTTOM OF STEEL	NWC	NORMAL WEIGHT CONCRETE
BOT	BOTTOM		
BRG	BEARING	OC	ON CENTER
BTWN	BETWEEN	OCBF	ORDINARY CONCENTRICALLY REINFORCED DIAMETER
		OF	OUTSIDE FACE
		OH	OPPOSITE HAND
		OMF	ORDINARY MOMENT FRAME
		OPG(S)	OPENING(S)
		OPP	OPPOSITE
		OWJ	OPEN WEB JOIST
		PF	POWDER ACTUATED FASTENER
		PAC	PRECAST CONCRETE, PILE CAP
		PCBE	PRECAST CONCRETE BEARING ELEVATION
		PCF	POUNDS PER CUBIC FOOT
		PERP	PERPENDICULAR
		PJ	PARTIAL JOINT PENETRATION
		PL	PLATE
		P/LF	POUNDS PER LINEAL FOOT
		PLWD	PLYWOOD
		PREFAB	PREFABRICATED
		PROJ	PROJECTION
		PSF	POUNDS PER SQUARE FOOT
		PSI	POUNDS PER SQUARE INCH
		P/TW	PRESERVATIVE TREATED WOOD
		RAD	RADIUS
		RC	REINFORCED CONCRETE
		REF	REFERENCE
		REINF	REINFORCE, REINFORCED, REINFORCEMENT, REINFORCING
		REQ(D)	REQUIRED(D)
		REI(S)	REQUIRE(S)
		RTU	ROOF/TOO UNIT
		SCHED	SCHEDULE
		SDDL	SUPERIMPOSED DEAD LOAD
		SDS	SELF-DRILLING SCREWS
		SSH	SHORT SLOTTED HOLE
		SECT	SECTION
		SEOR	STRUCTURAL ENGINEER OF RECORD
		SF	SQUARE FOOT
		SFRS	SEISMIC FORCE RESISTING SYSTEM
		SHT	SHEET
		SIM	SIMILAR
		SL	SNOW LOAD
		SPEC	SPECIAL MOMENT FRAME
		SGO	SLAB ON GRADE
		SPA	SPACE, SPACING
		SPEC(S)	SPECIFICATION(S)
		SST	STAINLESS STEEL
		STAG'D	STAGGERED
		STIFF	STIFF
		STL	STEEL
		STF	STIFFENER
		STD	STANDARD
		STRUT	STRUCTURE, STRUCTURAL
		SYM	SYMMETRICAL
		t	THICKNESS
		T&B	TOP & BOTTOM
		T&G	TONGUE & GROOVE
		TC	TENSION CONTROL
		TCW	TOP OF CONCRETE WALL
		TEMP	TEMPORARY
		THRD	THREADED
		T/	TOP OF
		TOB	TOP OF BEAM
		TOC	TOP OF CONCRETE
		TOF	TOP OF FOOTING
		TOS	TOP OF STEEL
		TOW	TOP OF WALL
		TPE	TOP OF PIER ELEVATION
		TRANS	TRANSVERSE
		TSE	TOP OF SLAB ELEVATION
		TWE	TOP OF WALL ELEVATION
		TYP	TYPICAL
		UNO	UNLESS NOTED OTHERWISE
		VERT	VERTICAL
		VFY	VERIFY
		W/	WITH
		W/O	WITHOUT
		WOD	WIND OVERTURNING
		WFRS	WIND FORCE RESISTING SYSTEM
		WGT	WEIGHT
		WPS	WELDING PROCEDURE SPECIFICATION
		WT	WELD TEE SECTION
		WWR	WELD REINFORCEMENT
		X-STR	EXTRA STRONG
		XX-STR	DOUBLE EXTRA STRONG
		ZRC	ZINC RICH COATING

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3/13/2026

PROFESSIONAL ENGINEER



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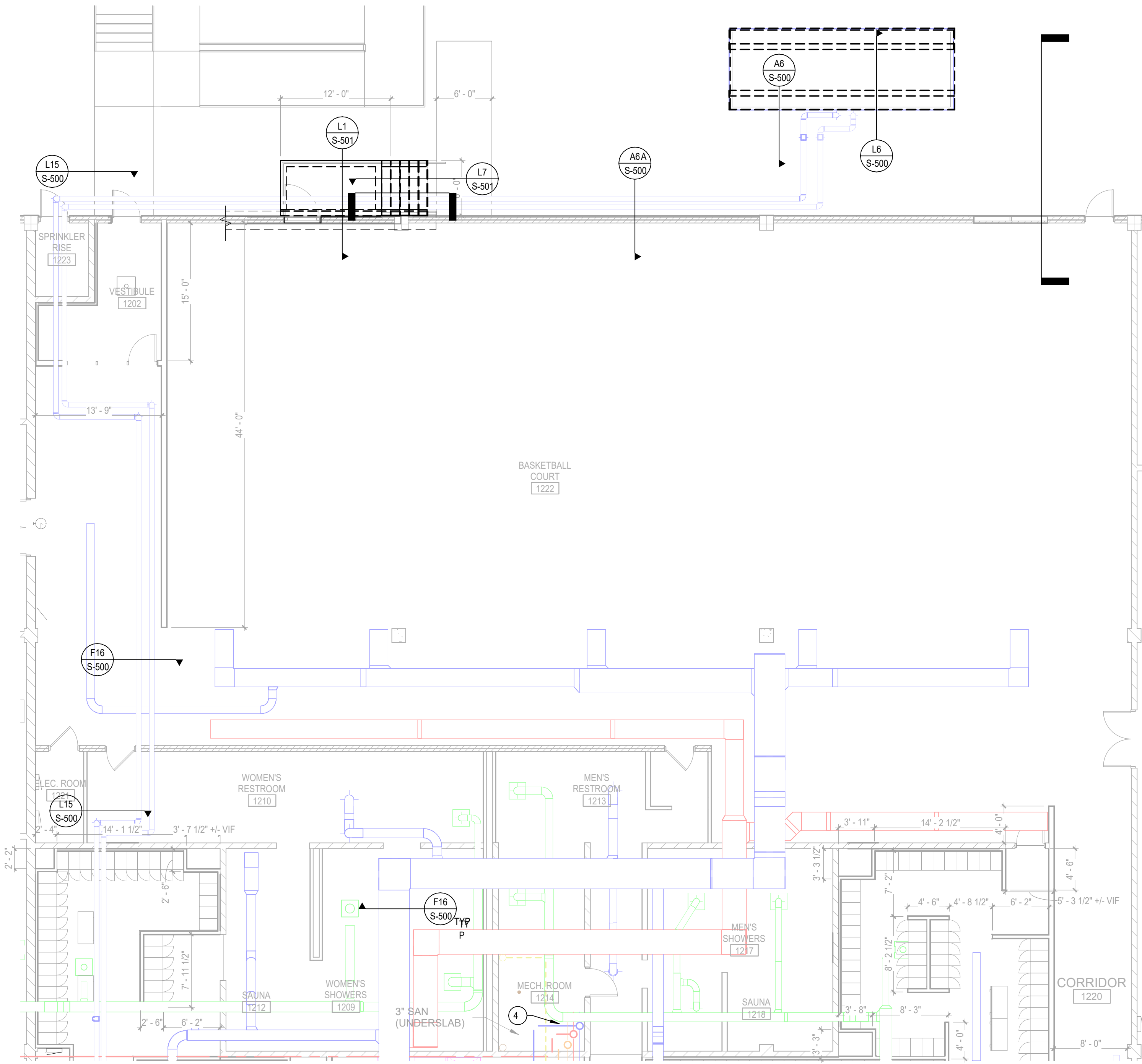
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	CHECKED BY: Mark S Forman	SOLICITATION NO.:
	SUBMITTED BY: Ed Bledowski	CONTRACT NO.:
	Approved:	ANS I D

COLUMBUS, OHIO
DSCC DLA REPAIR BUILDING 27

SHEET ID

S-002

100% CERTIFIED FINAL

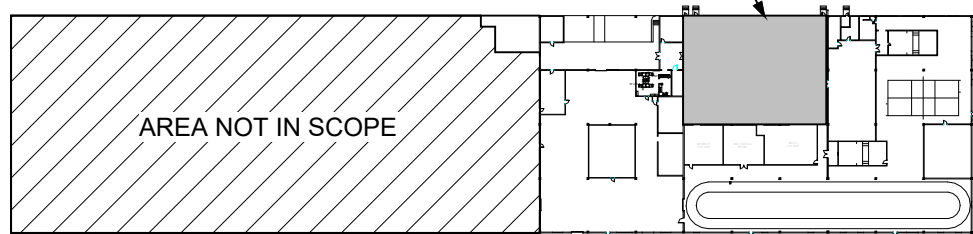
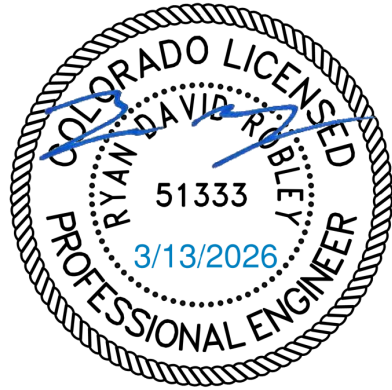


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S-102
STRUCTURAL PLAN - AREA 12N
SCALE: 1/8" = 1'-0"
0 4 8 16

STRUCTURAL PLAN GENERAL
NOTES

A. SEE DETAILS FOR BOC (BOTTOM OF CONCRETE) ELEVATIONS.

NO	Description
1	CONCRETE EQUIPMENT PAD PER DETAIL F1/S-500.
2	INFILL EXISTING OPENING PER DETAIL A15/S-500.
3	TRANSFORMER PAD SEE ELECTRICAL DRAWINGS CONCRETE SHALL BE 4,500 PSI .
4	INFILL SLAB-ON-GRADE TO MATCH (E) THICKNESS, 4" MINIMUM PER DETAIL F6/S-500



MARK	DESCRIPTION	DATE

DESIGNED BY: Mark S. Forman DIA/USACE	ISSUE DATE: FEBRUARY 13, 2026
CHECKED BY: Ed Biedowski	SOLICITATION NO.:
SUBMITTED BY: Approver	CONTRACT NO.:
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US ARMY CORPS OF ENGINEERS
LOUISVILLE, KY

COLUMBUS, OHIO
DSCC DIA REPAIR BUILDING 27

STRUCTURAL PLAN - AREA 12N

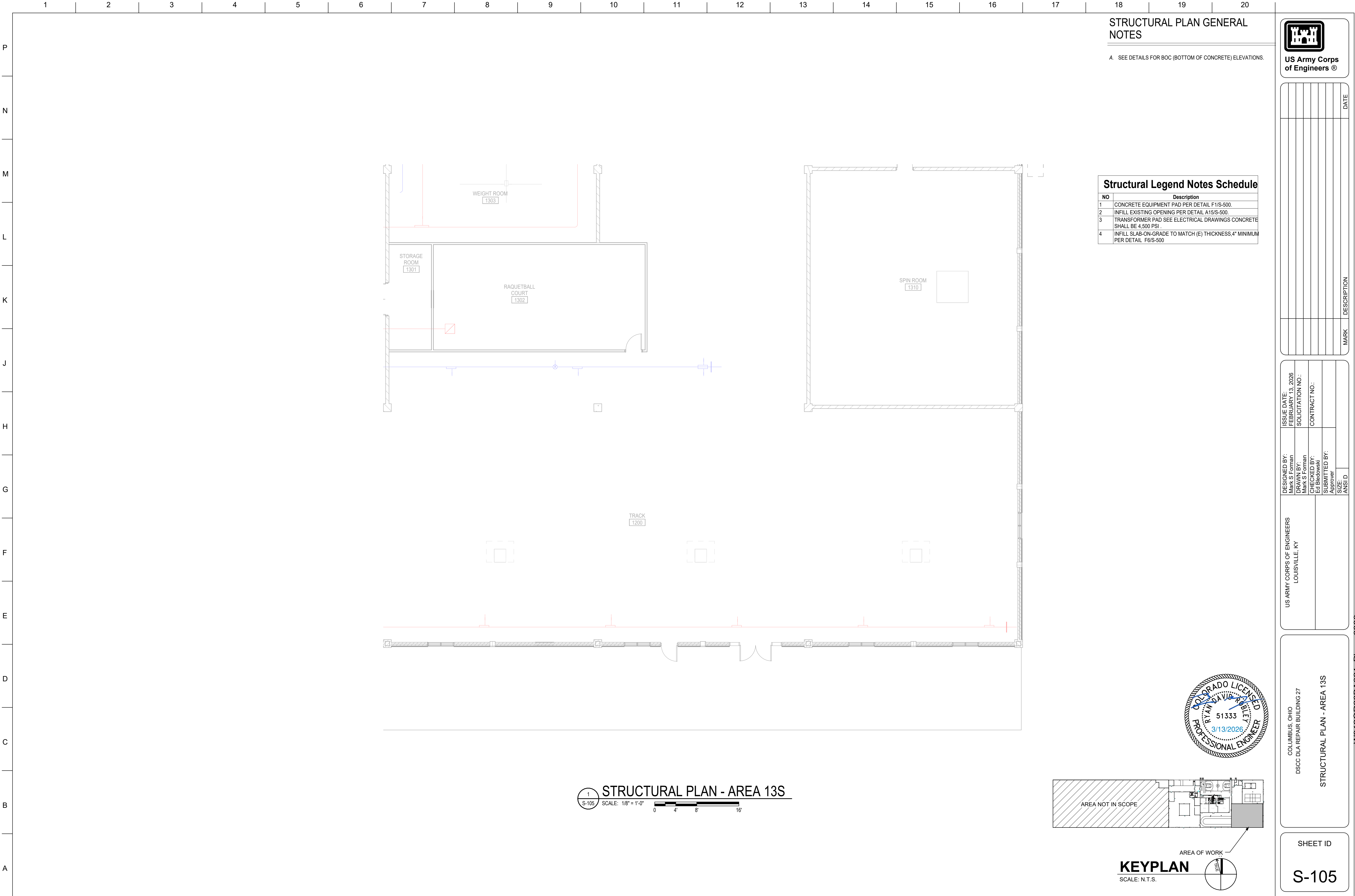
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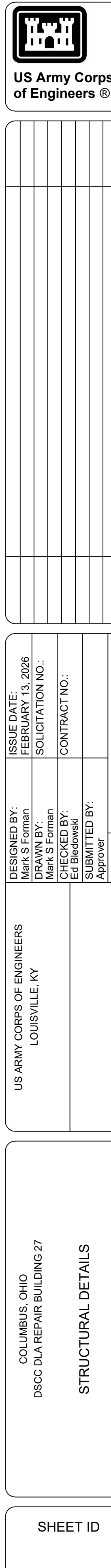
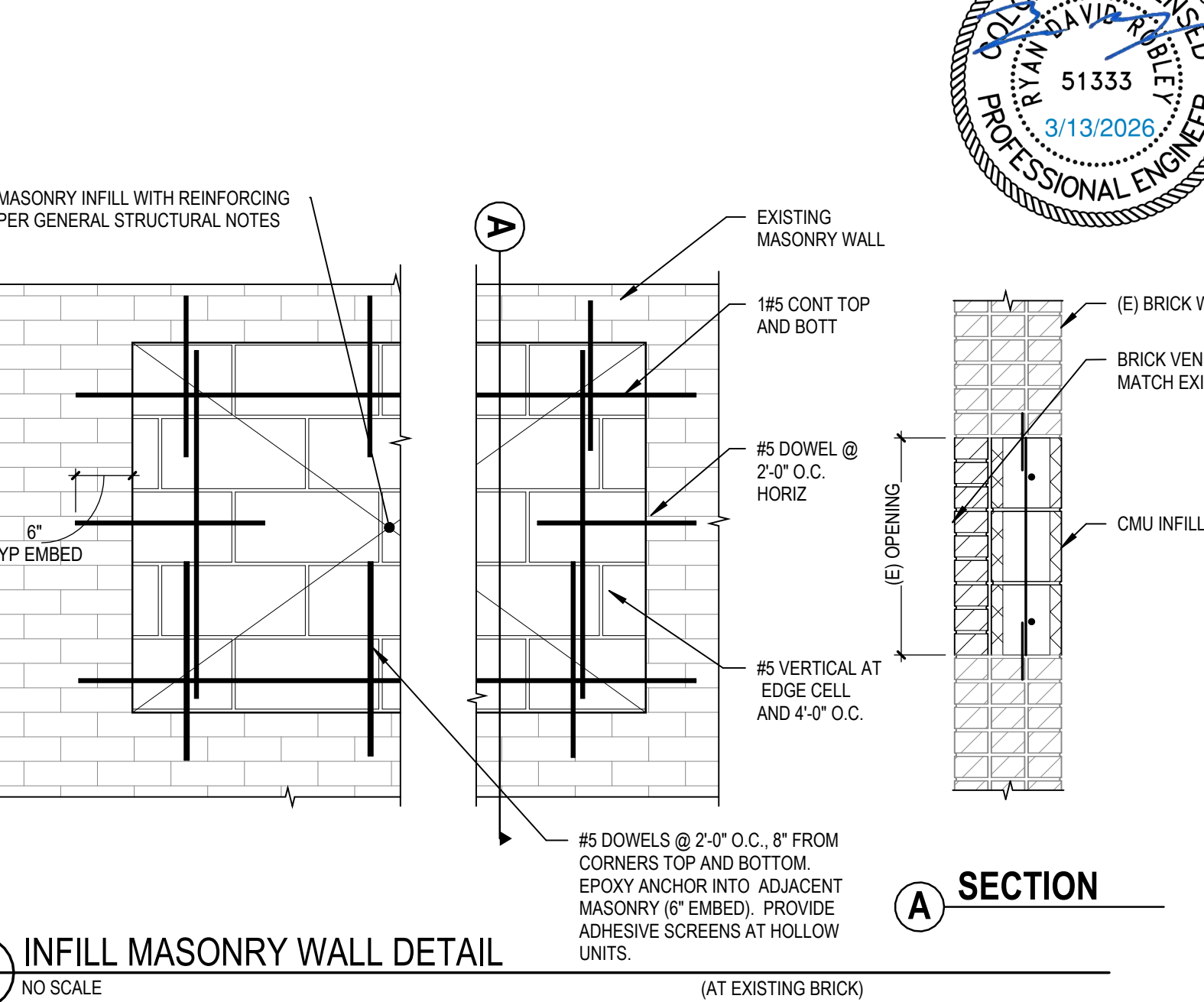
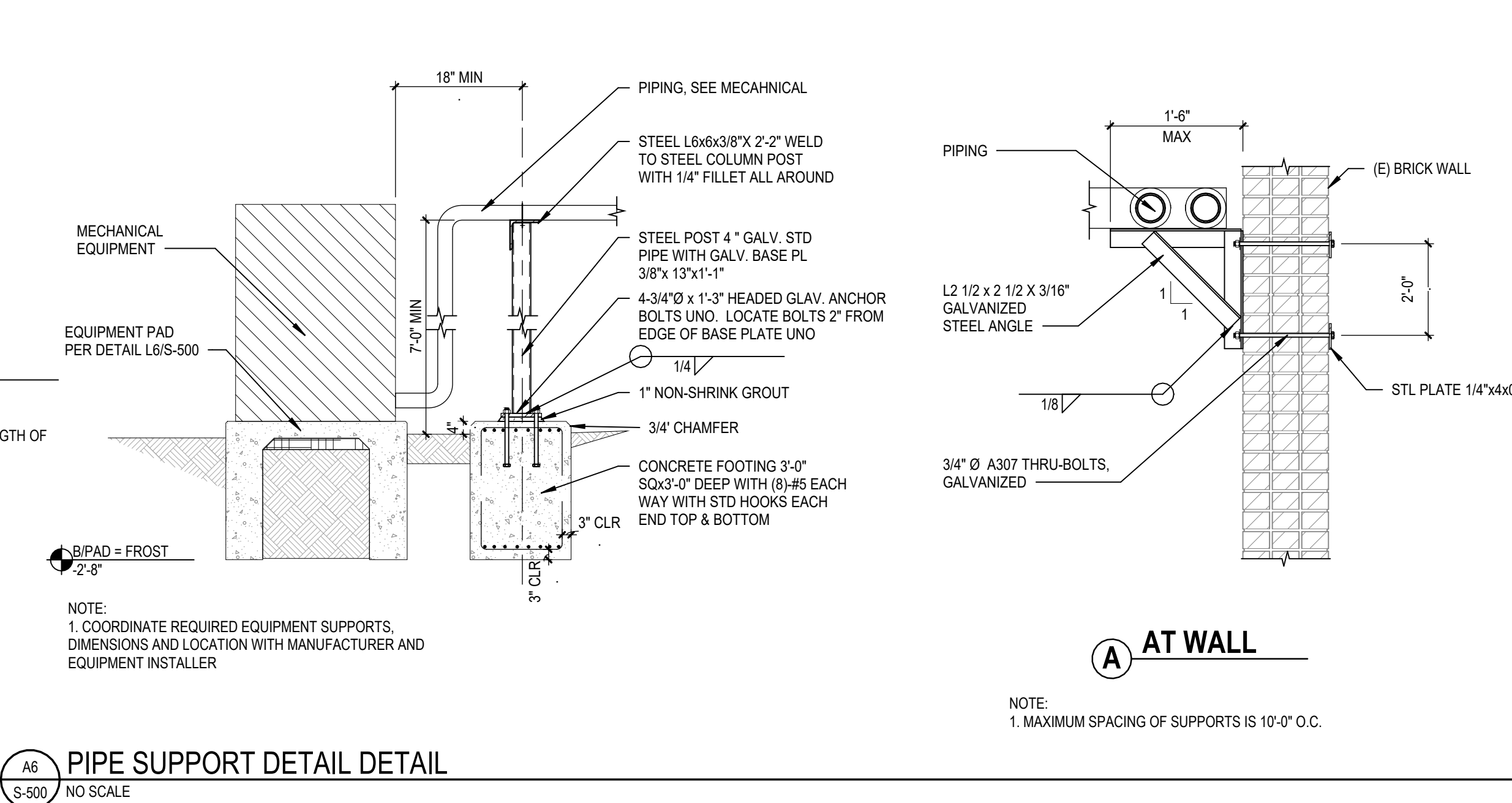
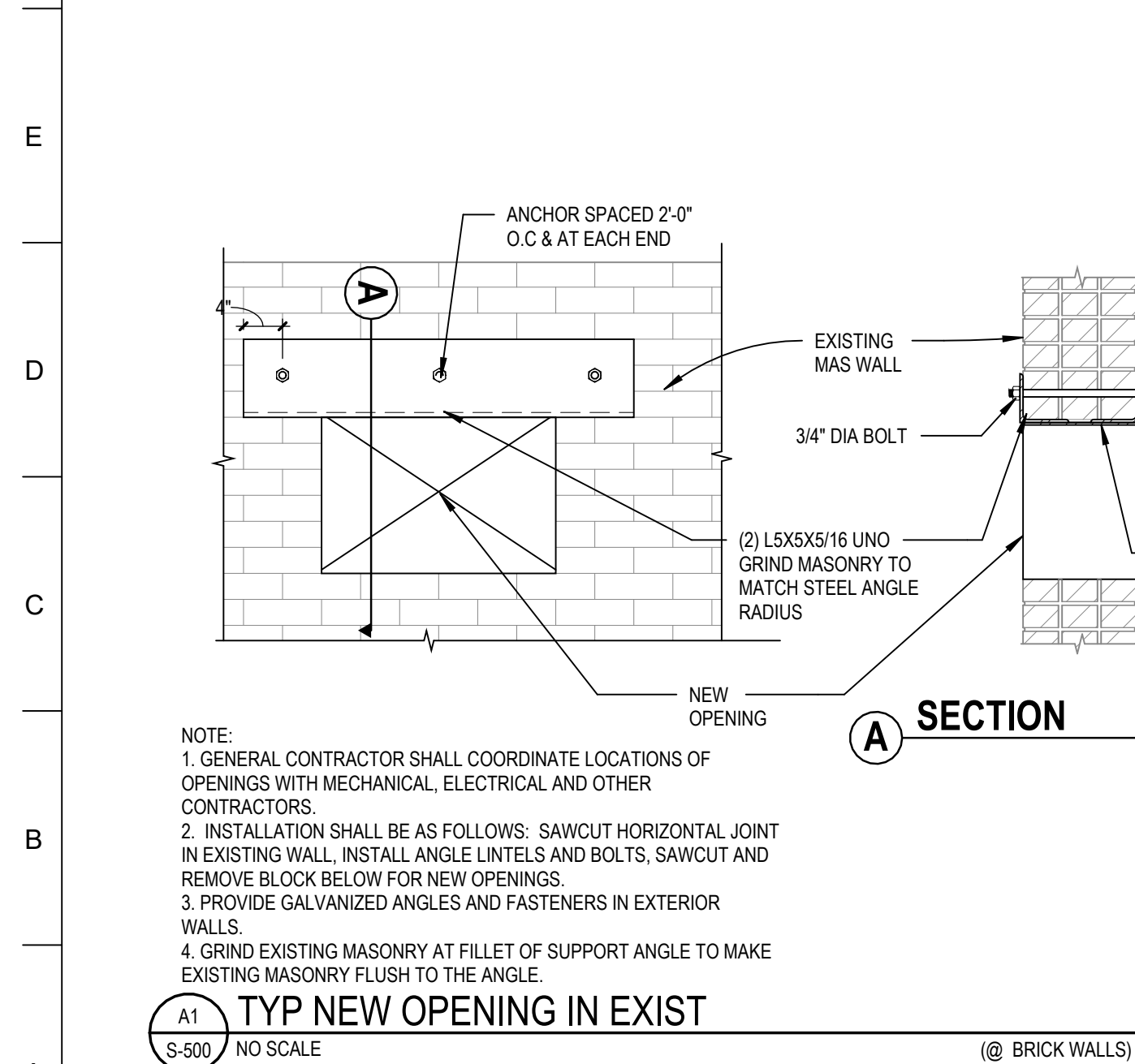
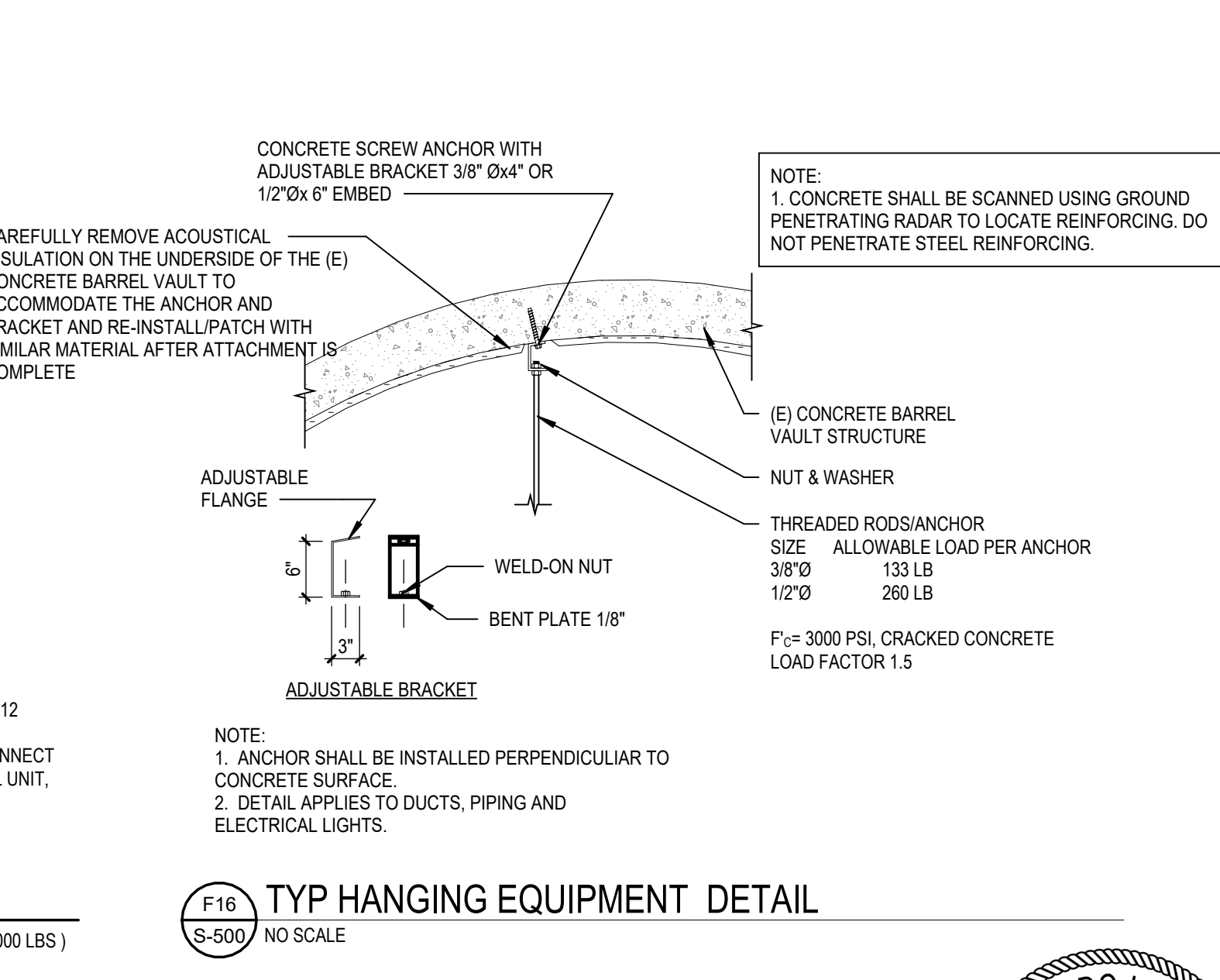
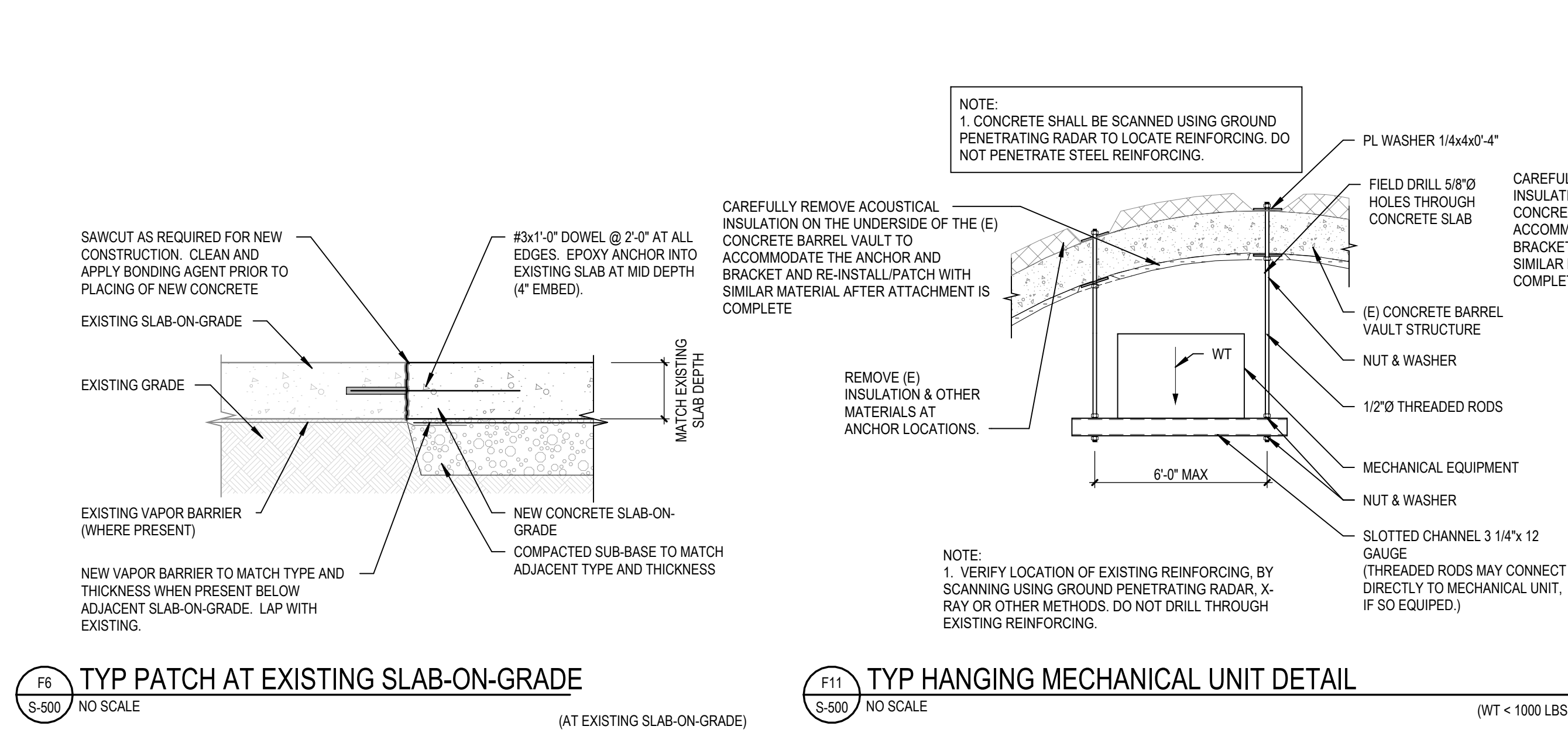
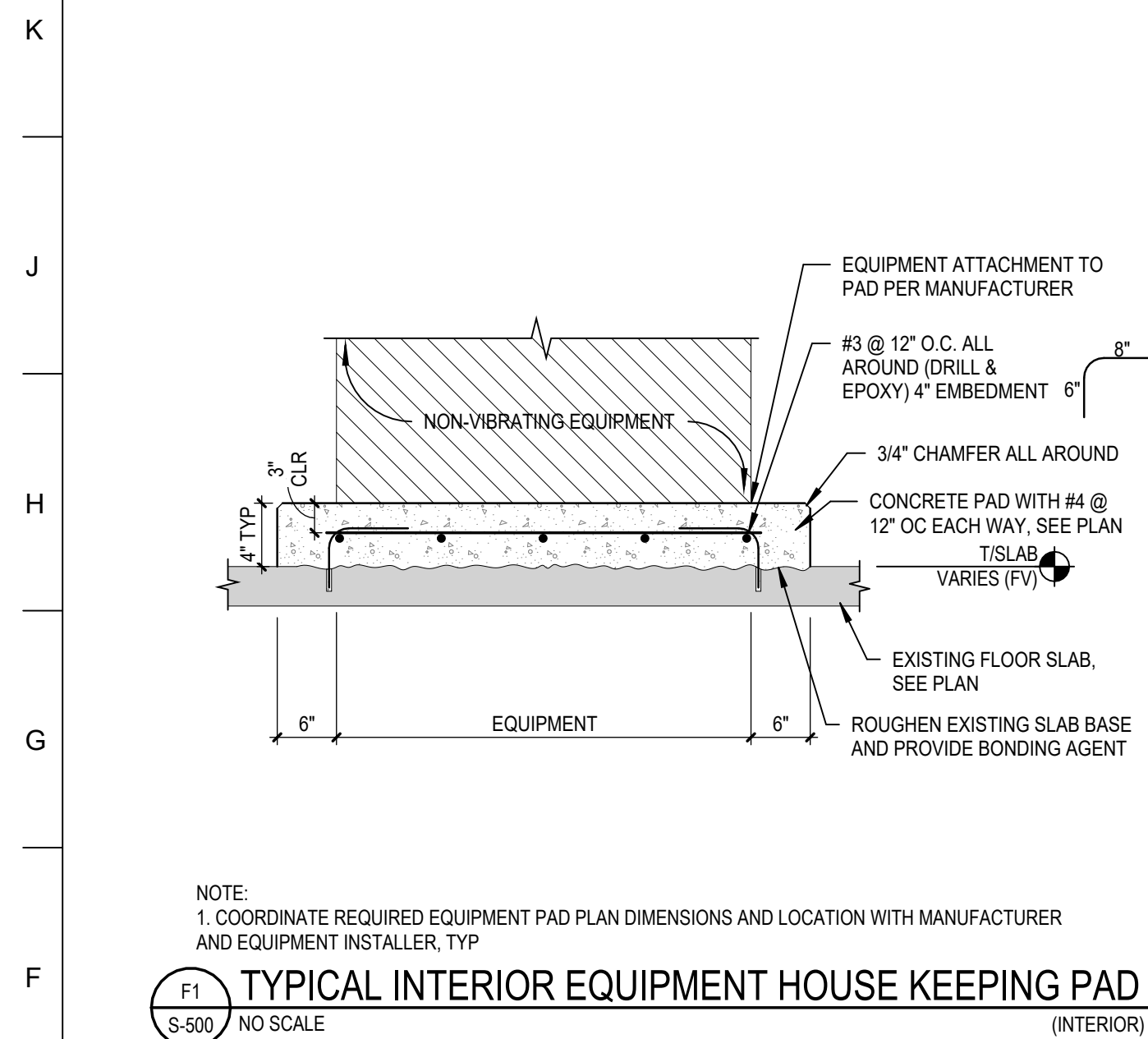
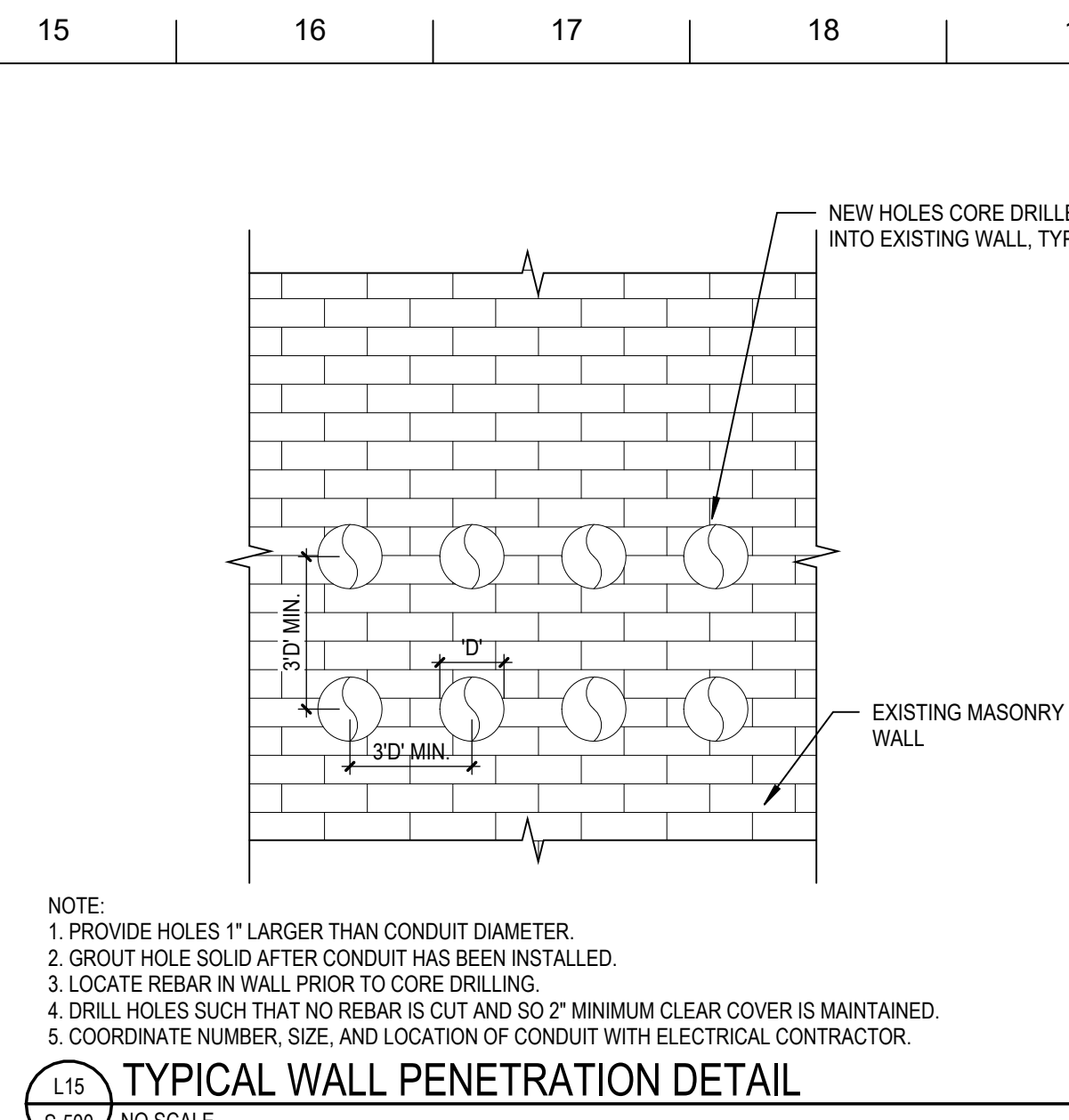
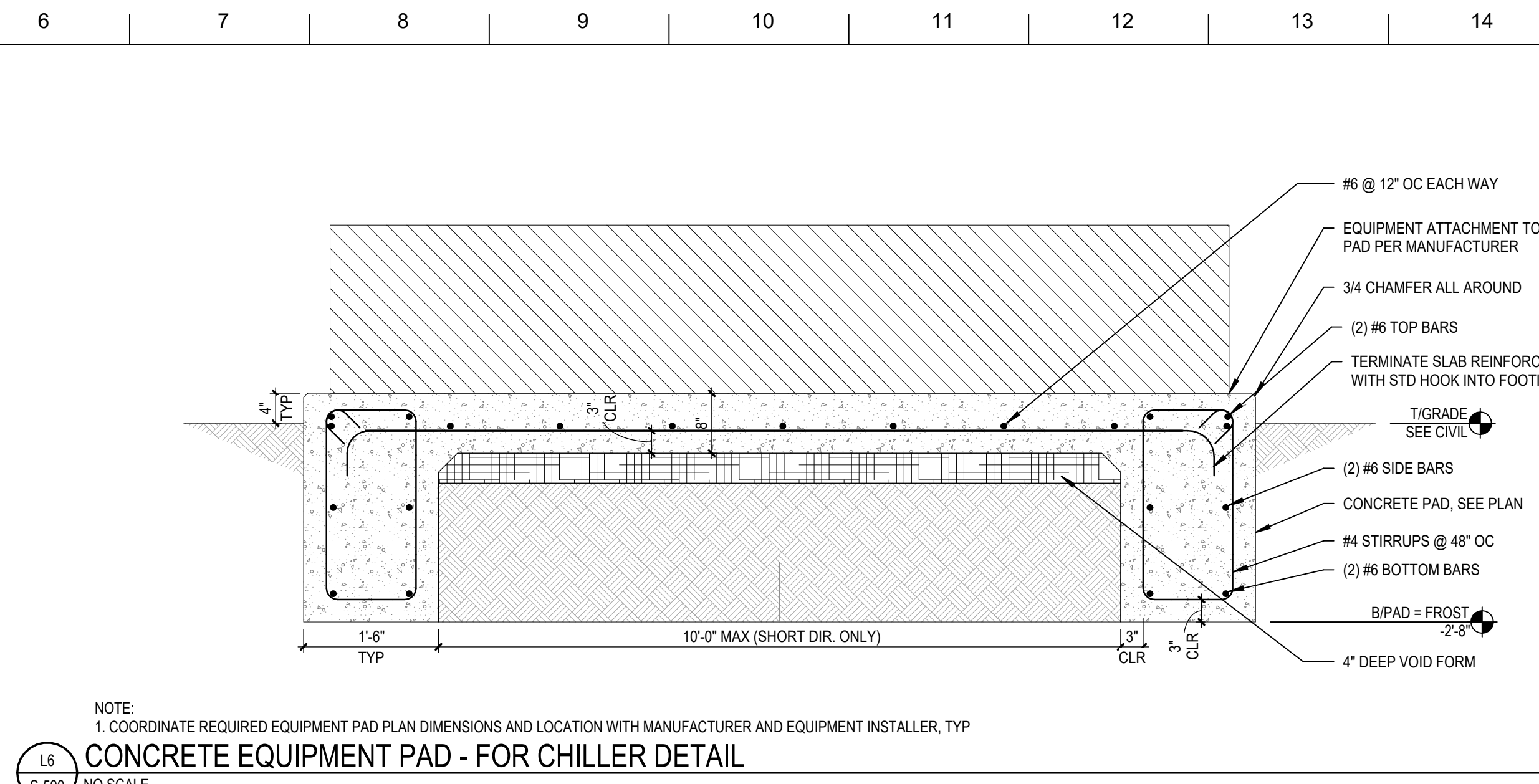
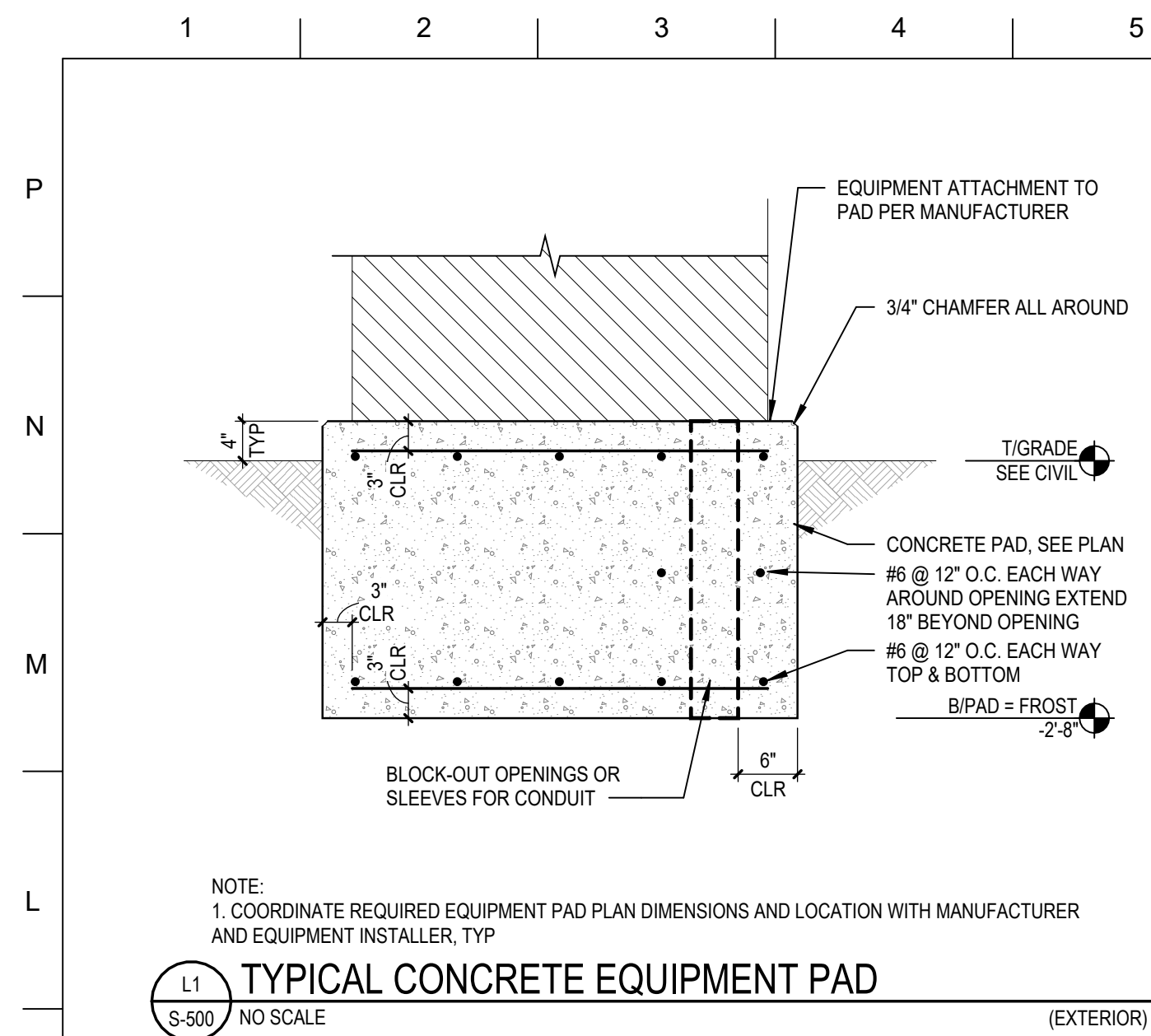
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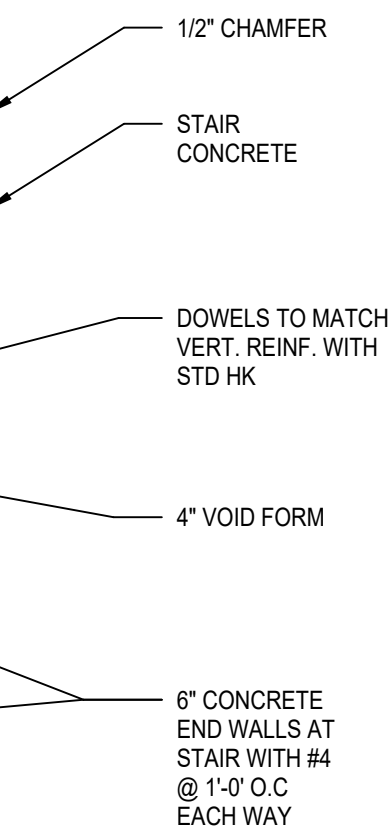
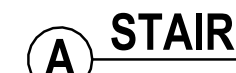
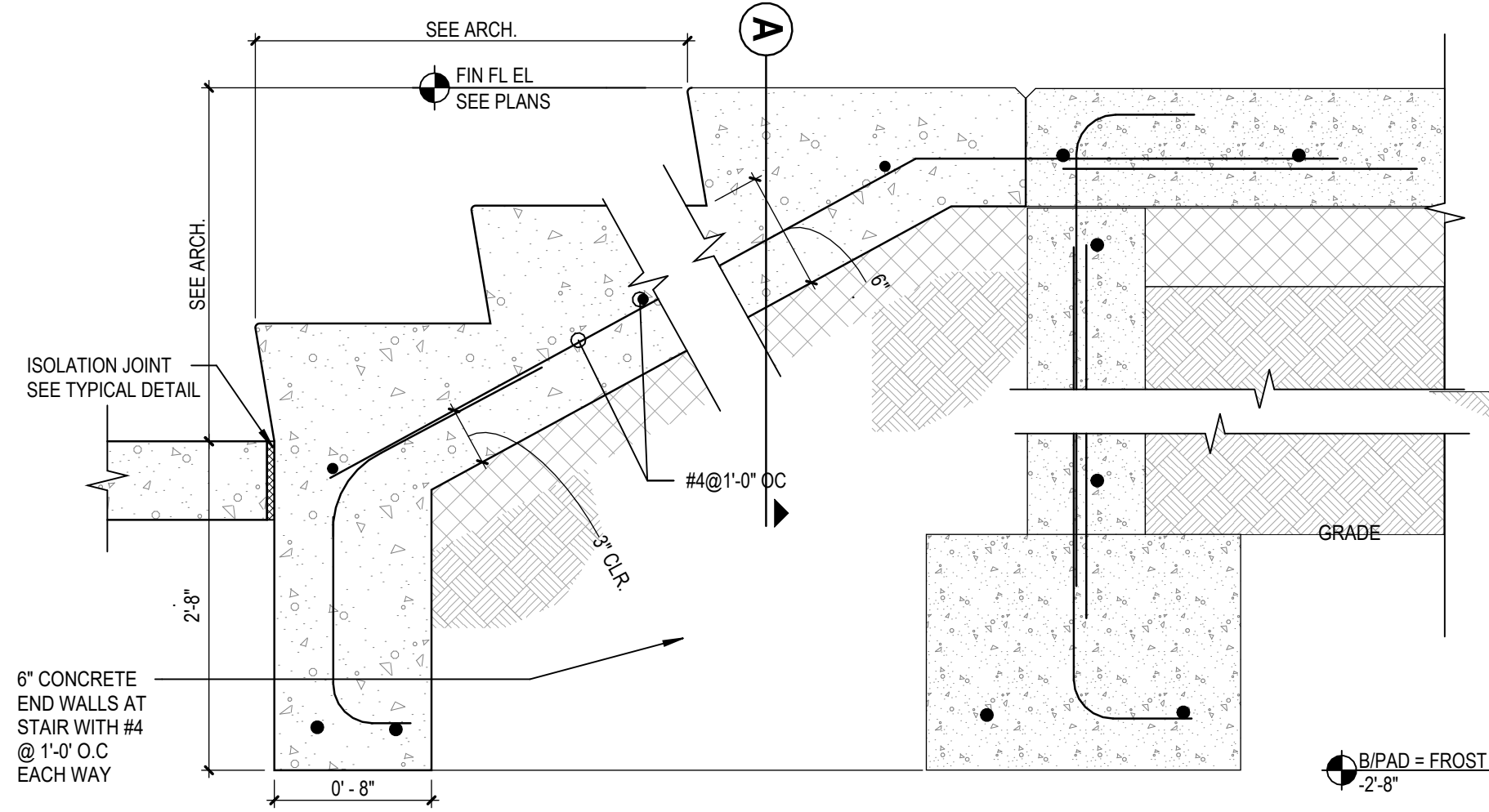


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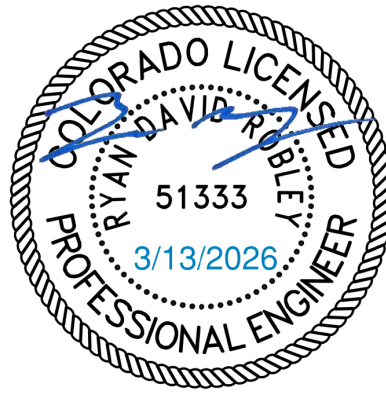
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	CHECKED BY: Mark S Forman	SOLICITATION NO.:
	SUBMITTED BY: Ed Biedowski	CONTRACT NO.:
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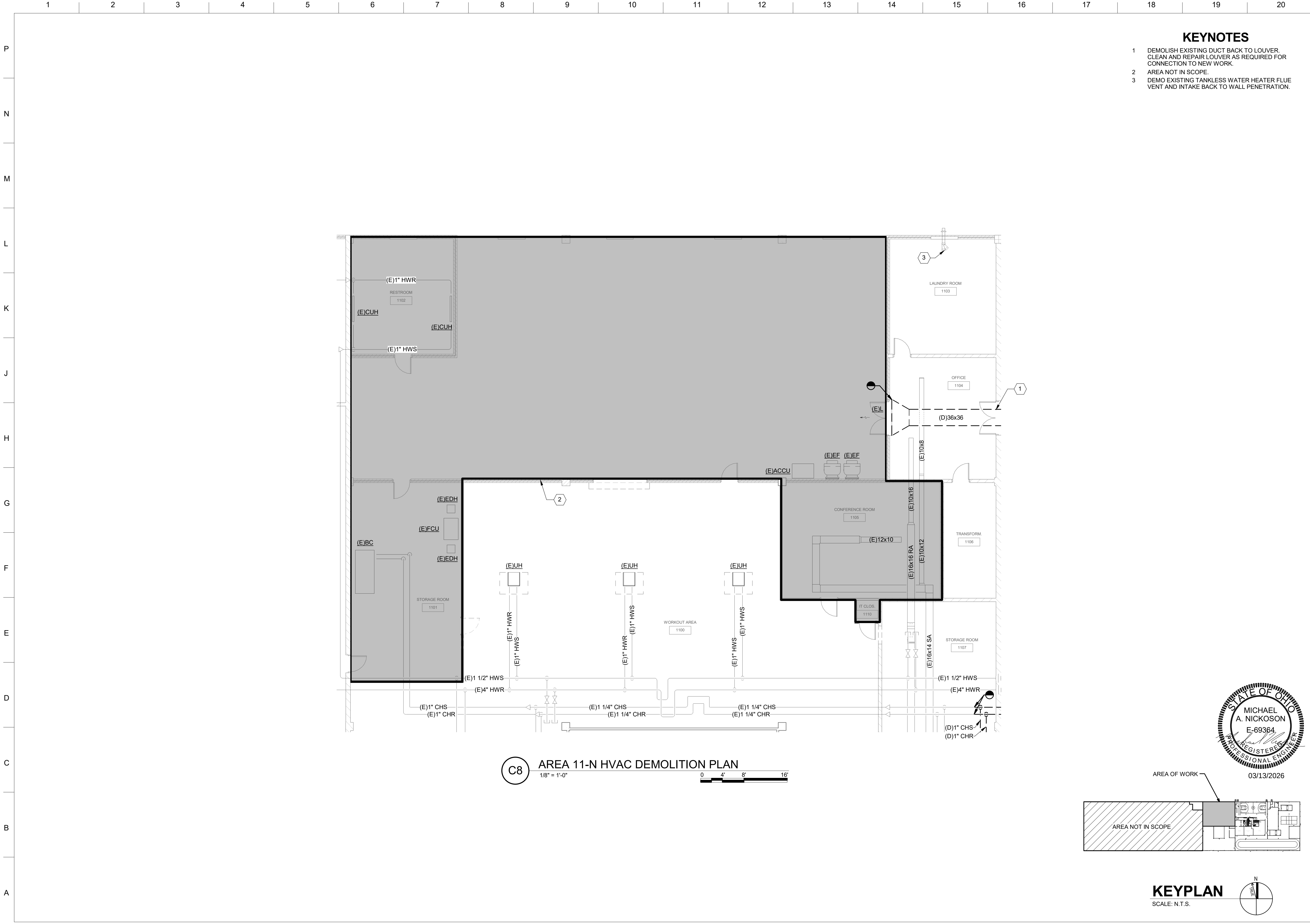
COLUMBUS, OHIO
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SHEET ID

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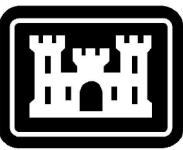


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KEYNOTES

- 1 DEMOLISH EXISTING DUCT BACK TO LOUVER. CLEAN AND REPAIR LOUVER AS REQUIRED FOR CONNECTION TO NEW WORK.
- 2 AREA NOT IN SCOPE.
- 3 DEMO EXISTING TANKLESS WATER HEATER FLUE VENT AND INTAKE BACK TO WALL PENETRATION.



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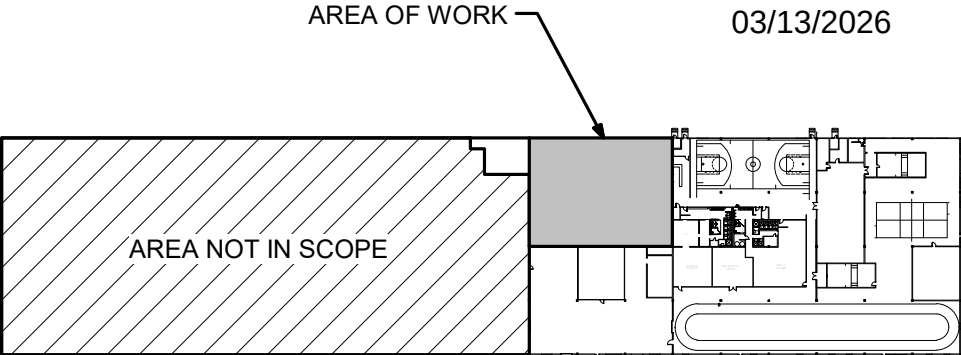
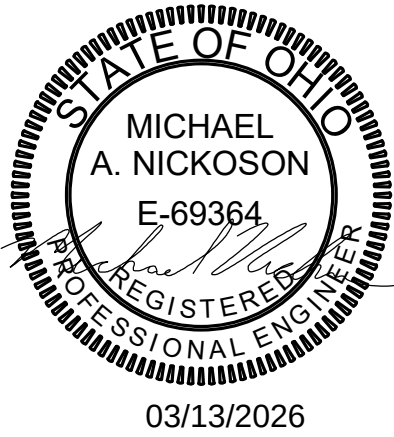
MARK	DESCRIPTION	DATE

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DRAWN BY: SO	SOLICITATION NO.:
CHECKED BY: PC	CONTRACT NO.:
SUBMITTED BY: AB	
SIZE: ANSI D	

US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	
CMTA-DLR GROUP	

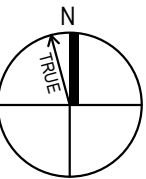
DSCC (DEFENSE SUPPLY CENTER) DLA REPAIR BUILDING 27 CSC-24601 P2# 519087	AREA 11-N HVAC DEMOLITION PLAN
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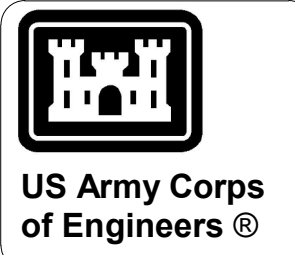
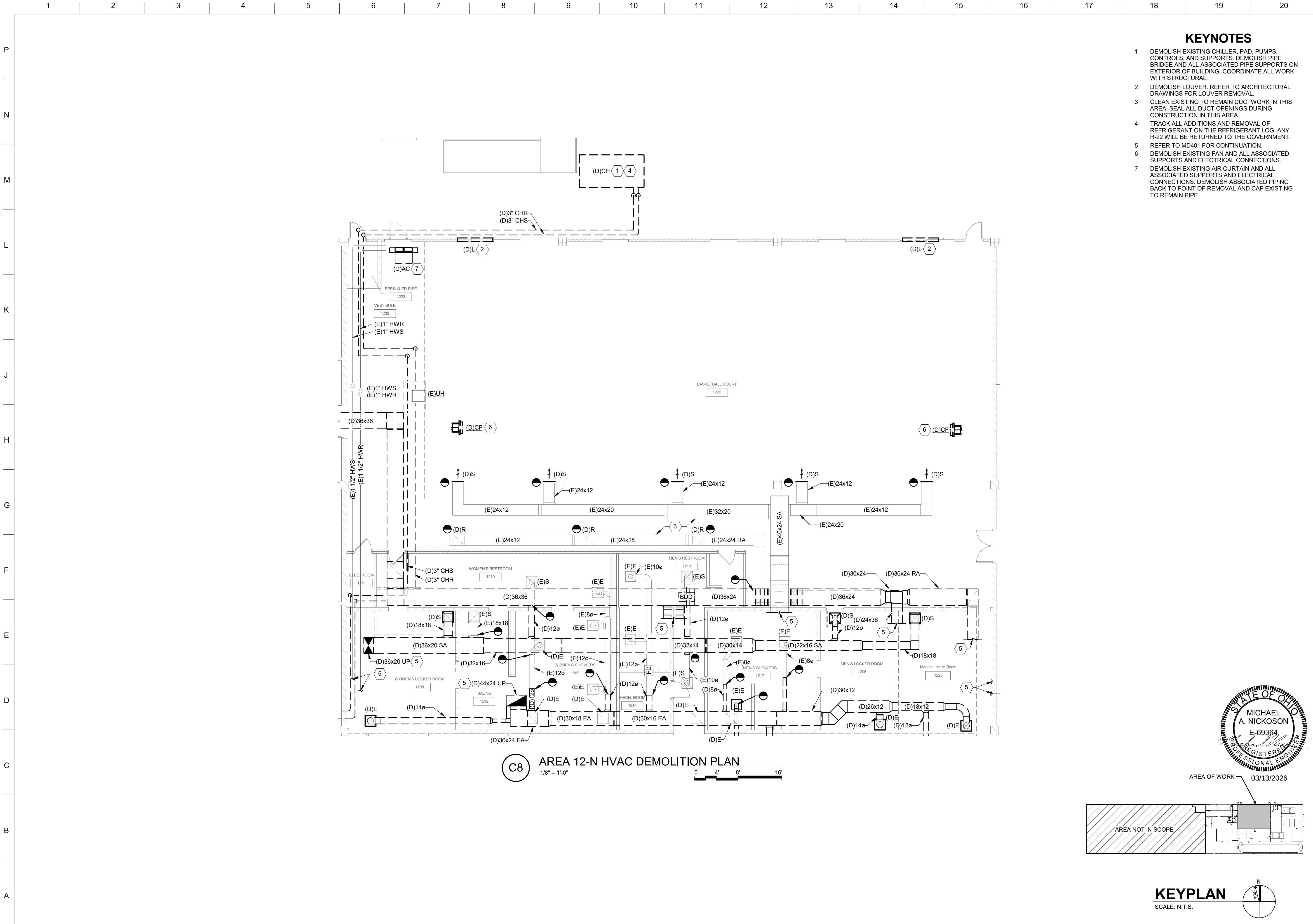
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KEYPLAN

SCALE: N.T.S.





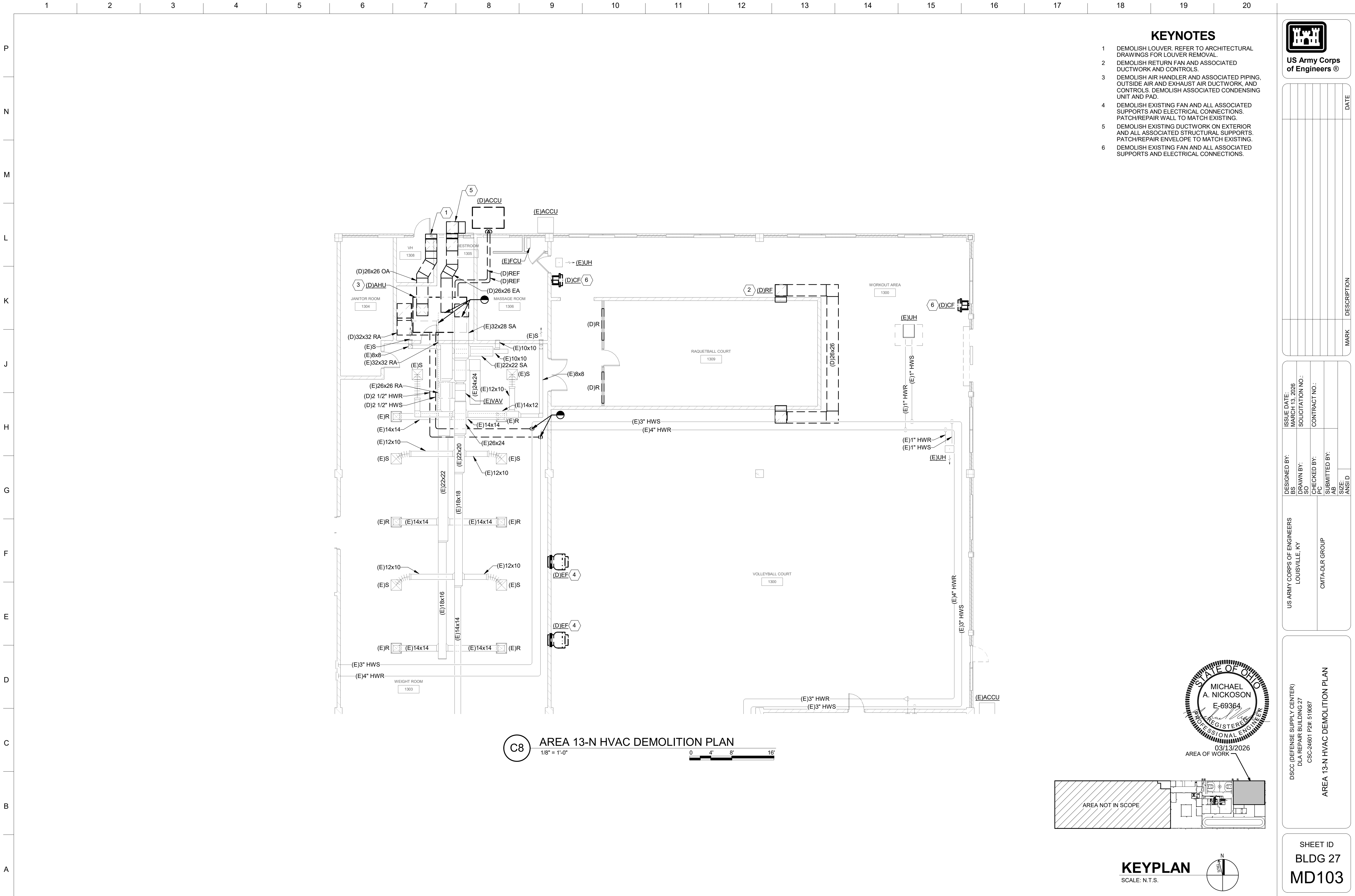
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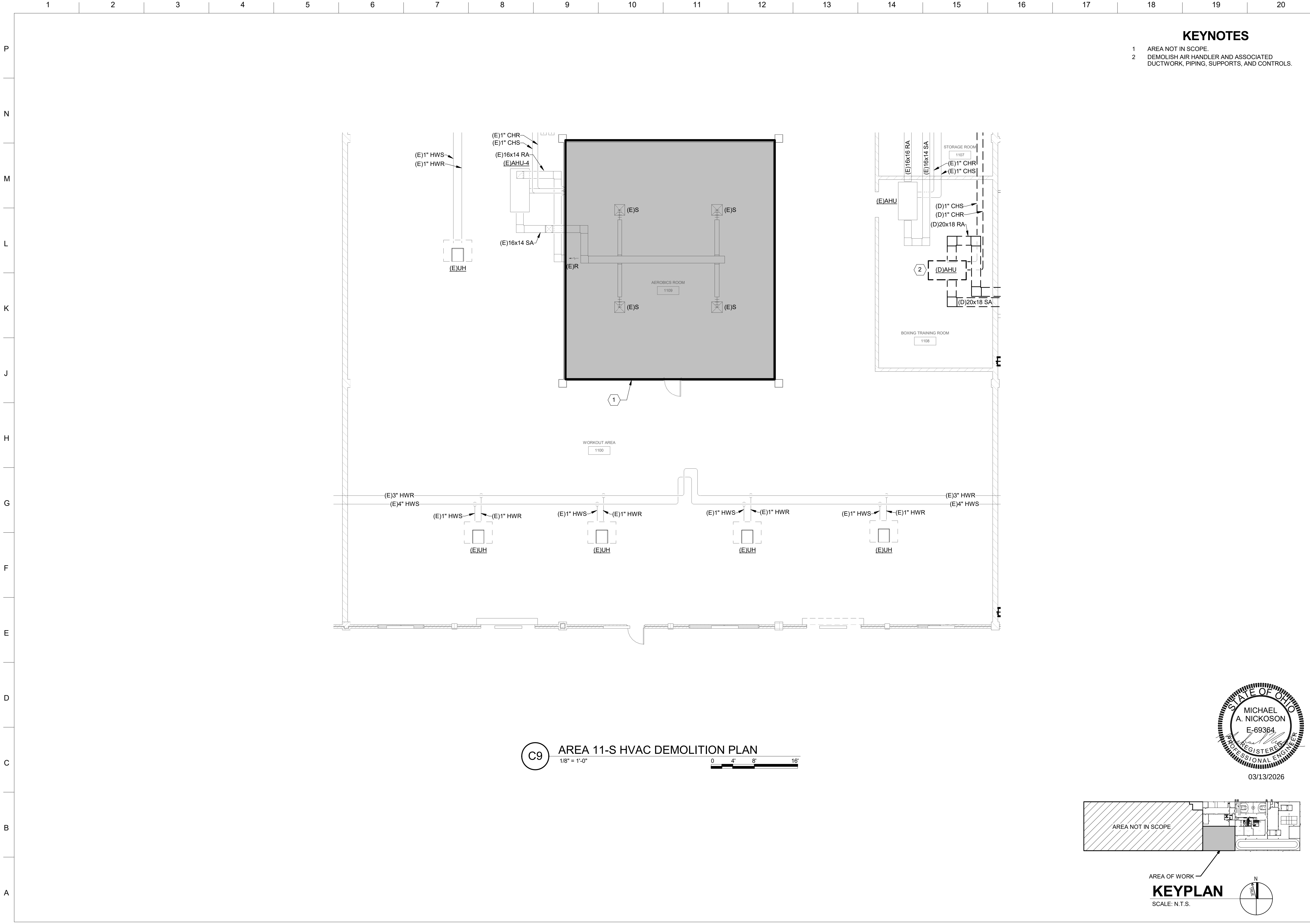
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ISSUE DATE:	MARCH 13, 2026
SOLICITATION NO.:	
CONTRACT NO.:	

DSCC (DEFENSE SUPPLY CENTER) DLA REPAIR BUILDING 27 CSC-24601 P2# 519087	AREA 12-N HVAC DEMOLITION PLAN
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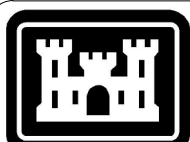
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KEYNOTES

- 1 AREA NOT IN SCOPE.
- 2 DEMOLISH AIR HANDLER AND ASSOCIATED DUCTWORK, PIPING, SUPPORTS, AND CONTROLS.



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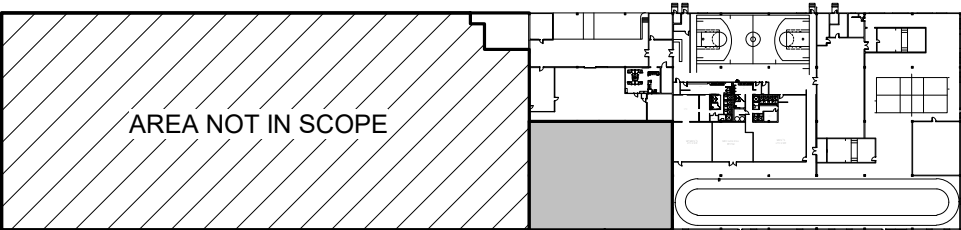
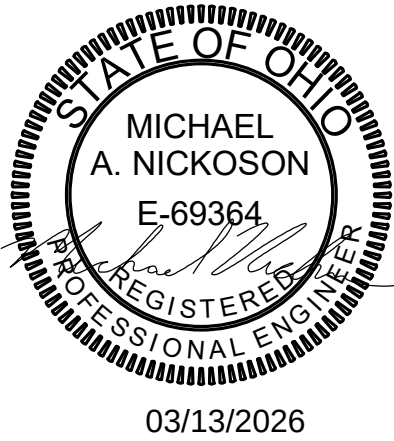
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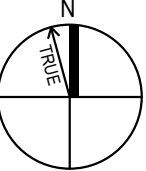
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CMTA-DLR GROUP	

DSCC (DEFENSE SUPPLY CENTER) DLA REPAIR BUILDING 27 CSC-24601 P2# 519087	AREA 11-S HVAC DEMOLITION PLAN
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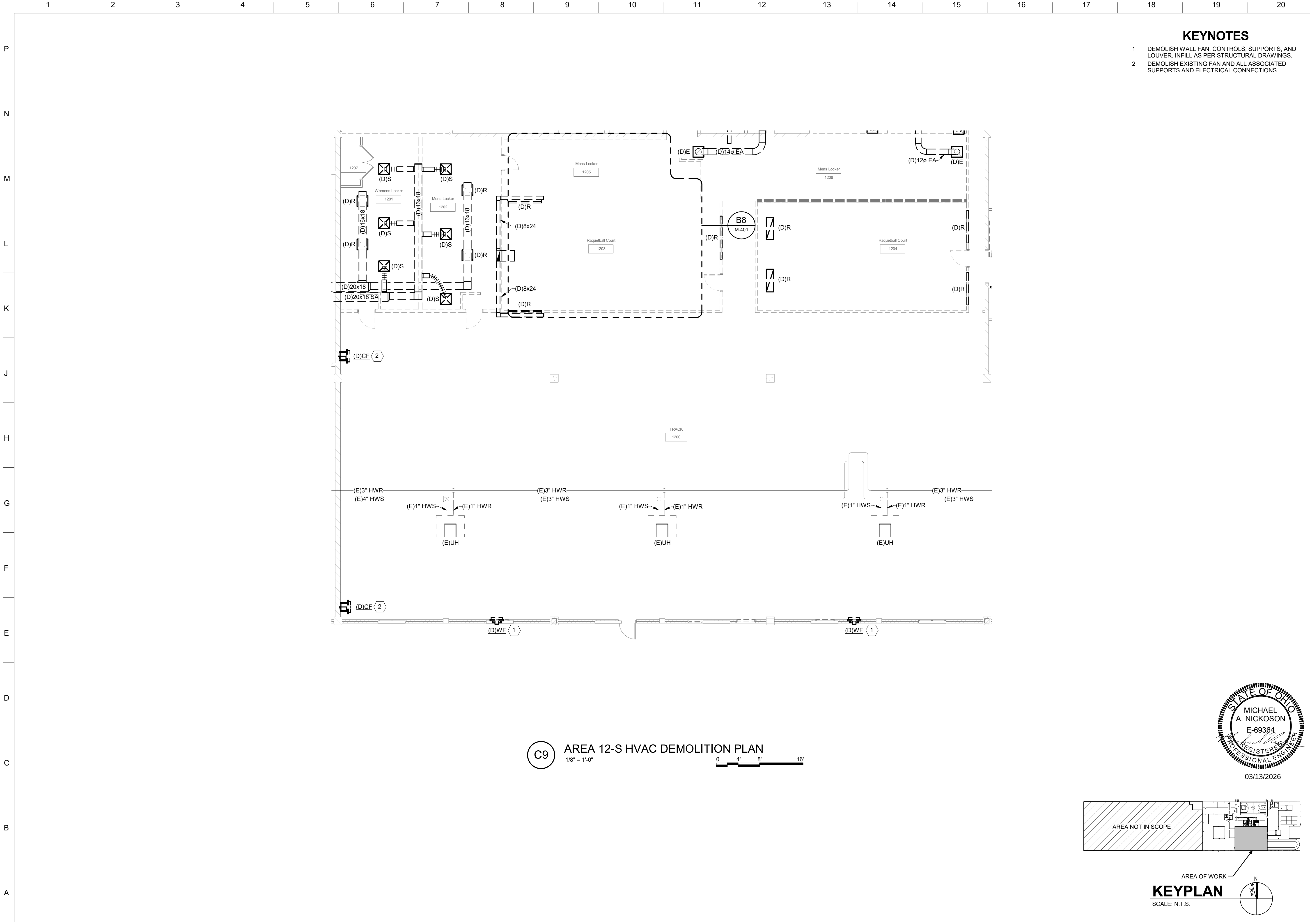
SHEET ID BLDG 27 MD104



AREA OF WORK
KEYPLAN
SCALE: N.T.S.



C9 AREA 11-S HVAC DEMOLITION PLAN
1/8" = 1'-0"
0 4' 8' 16'



- KEYNOTES
- 1

DEMOLISH WALL FAN, CONTROLS, SUPPORTS, AND LOUVER. INFILL AS PER STRUCTURAL DRAWINGS.
- 2

DEMOLISH EXISTING FAN AND ALL ASSOCIATED SUPPORTS AND ELECTRICAL CONNECTIONS.



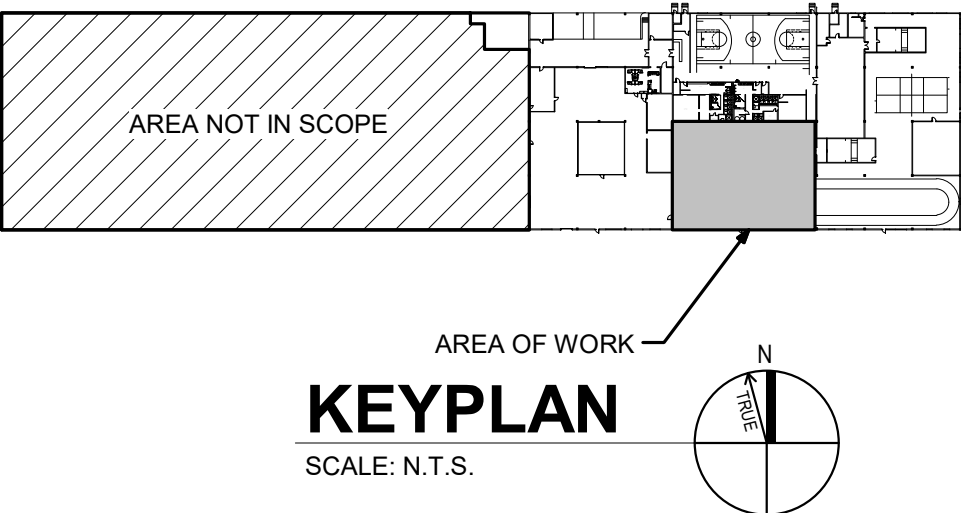
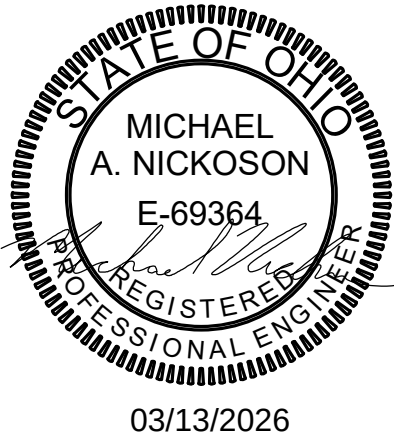
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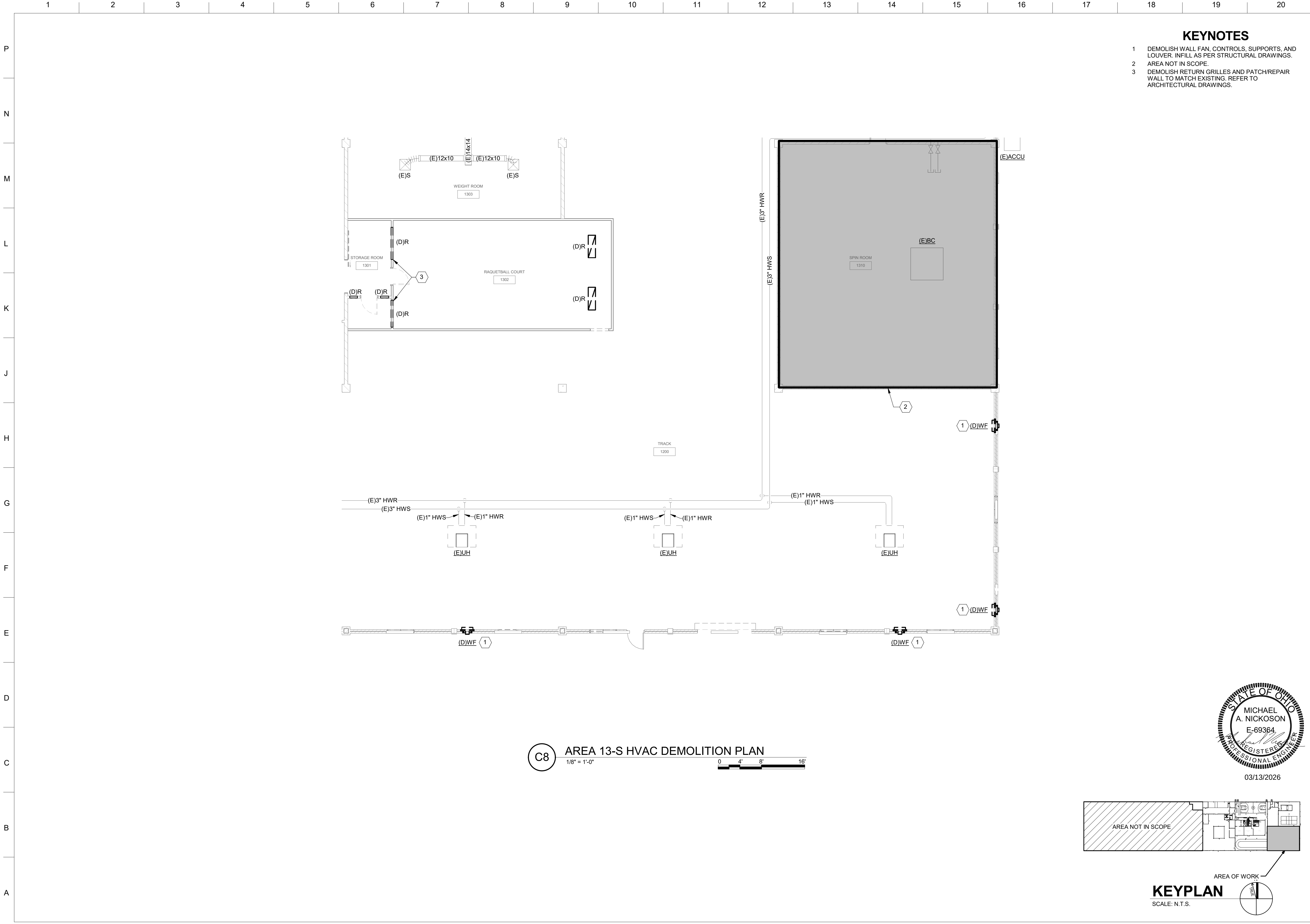
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US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	
CMTA-DLR GROUP	

DSCC (DEFENSE SUPPLY CENTER) DLA REPAIR BUILDING 27 CSC-24601 P2# 519087	AREA 12-S HVAC DEMOLITION PLAN
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SHEET ID BLDG 27 MD105





KEYNOTES

- 1 DEMOLISH WALL FAN, CONTROLS, SUPPORTS, AND LOUVER. INFILL AS PER STRUCTURAL DRAWINGS.
- 2 AREA NOT IN SCOPE.
- 3 DEMOLISH RETURN GRILLES AND PATCH/REPAIR WALL TO MATCH EXISTING. REFER TO ARCHITECTURAL DRAWINGS.



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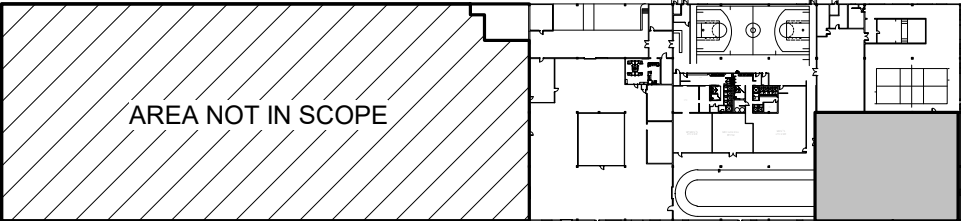
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US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	
CMTA-DLR GROUP	

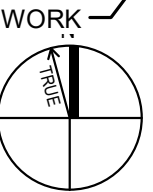
DSCC (DEFENSE SUPPLY CENTER) DLA REPAIR BUILDING 27 CSC-24601 P2# 519087	AREA 13-S HVAC DEMOLITION PLAN
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SHEET ID BLDG 27 MD106



KEYPLAN

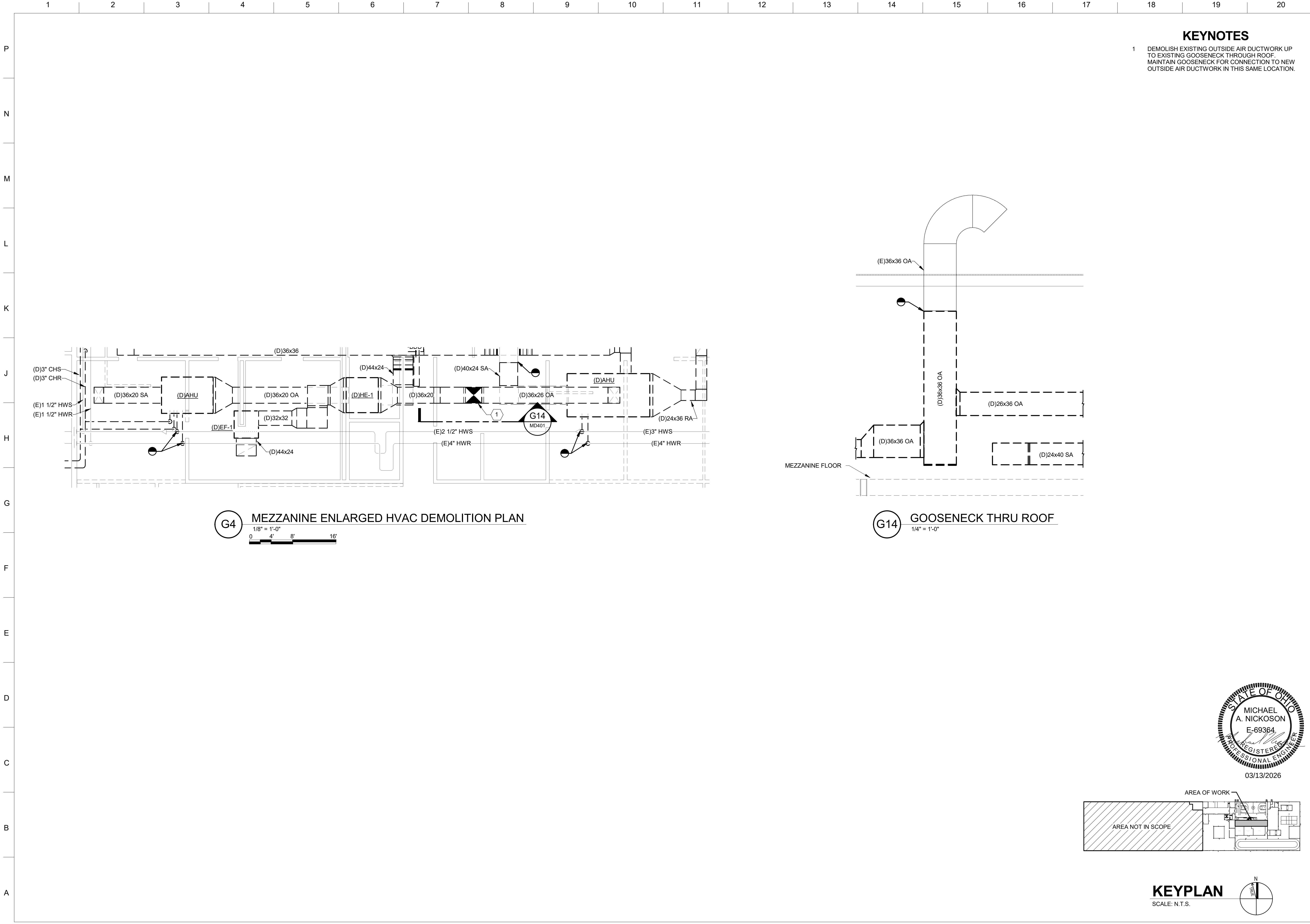
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C8 AREA 13-S HVAC DEMOLITION PLAN

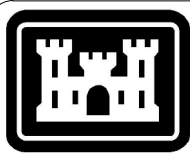
1/8" = 1'-0"





KEYNOTES

- 1 DEMOLISH EXISTING OUTSIDE AIR DUCTWORK UP TO EXISTING GOOSENECK THROUGH ROOF. MAINTAIN GOOSENECK FOR CONNECTION TO NEW OUTSIDE AIR DUCTWORK IN THIS SAME LOCATION.



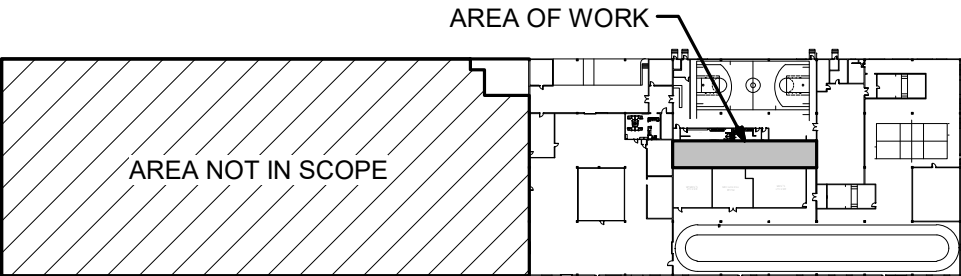
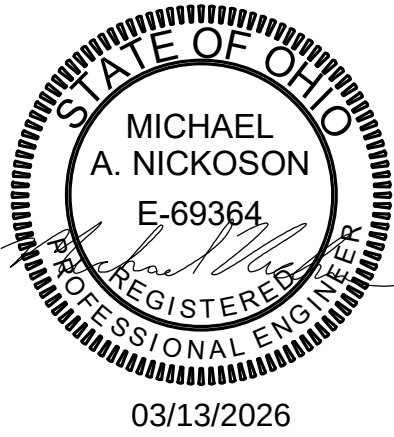
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MARK	DESCRIPTION	DATE

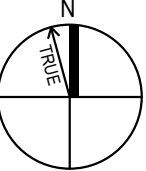
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CMTA-DLR GROUP	

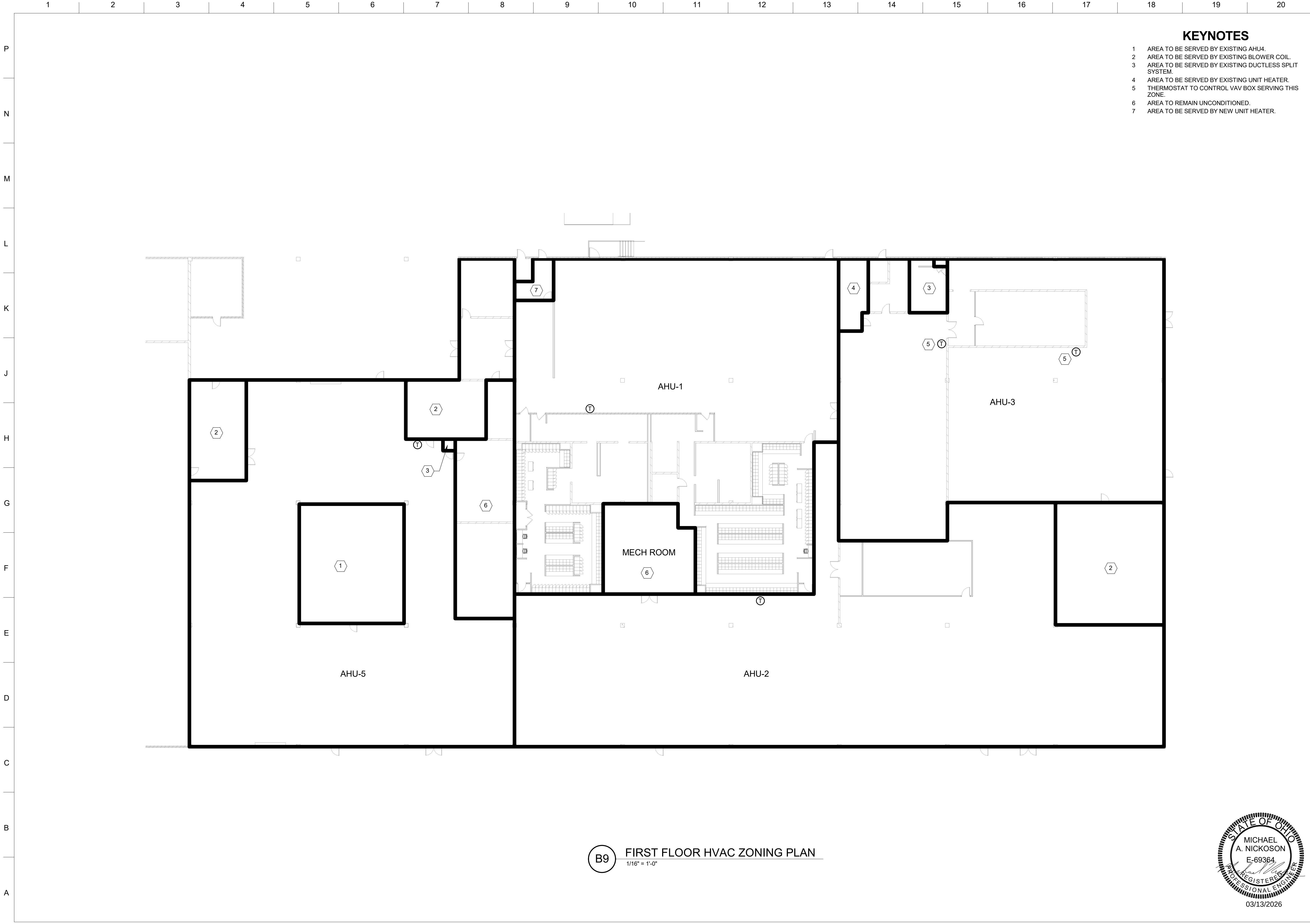
DSCC (DEFENSE SUPPLY CENTER) DLA REPAIR BUILDING 27 CSC-24601 P2# 519087	MEZZANINE ENLARGED HVAC DEMOLITION PLAN
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SHEET ID BLDG 27 MD401



KEYPLAN
SCALE: N.T.S.





KEYNOTES

- 1 AREA TO BE SERVED BY EXISTING AHU4.
- 2 AREA TO BE SERVED BY EXISTING BLOWER COIL.
- 3 AREA TO BE SERVED BY EXISTING DUCTLESS SPLIT SYSTEM.
- 4 AREA TO BE SERVED BY EXISTING UNIT HEATER.
- 5 THERMOSTAT TO CONTROL VAV BOX SERVING THIS ZONE.
- 6 AREA TO REMAIN UNCONDITIONED.
- 7 AREA TO BE SERVED BY NEW UNIT HEATER.



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US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	CMTA-DLR GROUP
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DSCC (DEFENSE SUPPLY CENTER) DLA REPAIR BUILDING 27 CSC-24601 P2# 519087	FIRST FLOOR HVAC ZONING PLAN
--	------------------------------

SHEET ID BLDG 27 M-002

B9 FIRST FLOOR HVAC ZONING PLAN
1/16" = 1'-0"



KEYNOTES

- 1 AREA NOT IN SCOPE.
- 2 DOUBLE WALL INSULATED DUCTWORK. DUCT SIZE
TAGGED ON DRAWINGS IS TO BE THE INSIDE CLEAR
DIMENSION.
- 3 CONNECT TO EXISTING TANKLESS WATER HEATER
VENT AND INTAKE OUT THROUGH SIDEWALL.
COORDINATE ALL WORK WITH PLUMBING
CONTRACTOR.
- 4 REFER TO DETAIL W1 ON MH501 FOR ADDITIONAL
INFORMATION.
- 5 ROUTE DUCT TIGHT TO STRUCTURE.
- 6 REFER TO CONTROLS DRAWINGS M1801 THROUGH
M1804 FOR ADDITIONAL INFORMATION ON
MOTORIZED DAMPERS.

[illegible]

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	CHECKED BY:	PC	CONTRACT NO.:	
	SUBMITTED BY:	AB		
CMTA-DLR GROUP			APPROVED BY:	ANSL/D

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DLA REPAIR BUILDING 27
CSC-24601 P2#: 519087

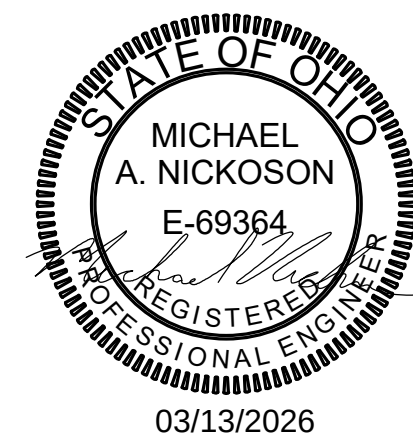
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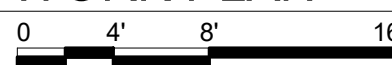
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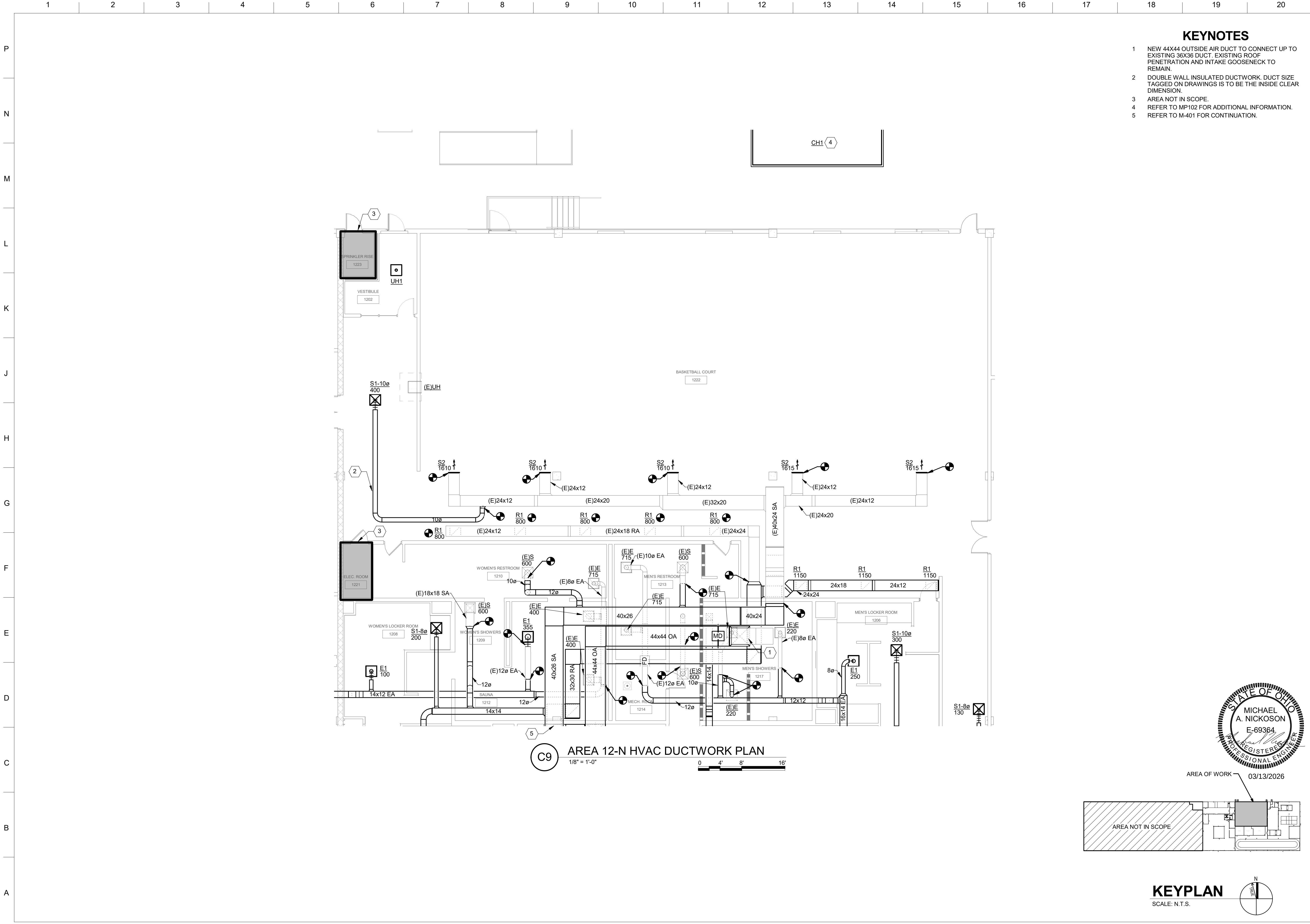
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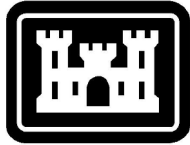
B8 AREA 11-N HVAC DUCTWORK PLAN





KEYNOTES

- 1 NEW 44X44 OUTSIDE AIR DUCT TO CONNECT UP TO EXISTING 36X36 DUCT. EXISTING ROOF PENETRATION AND INTAKE GOOSENECK TO REMAIN.
- 2 DOUBLE WALL INSULATED DUCTWORK. DUCT SIZE TAGGED ON DRAWINGS IS TO BE THE INSIDE CLEAR DIMENSION.
- 3 AREA NOT IN SCOPE.
- 4 REFER TO MP102 FOR ADDITIONAL INFORMATION.
- 5 REFER TO M-401 FOR CONTINUATION.



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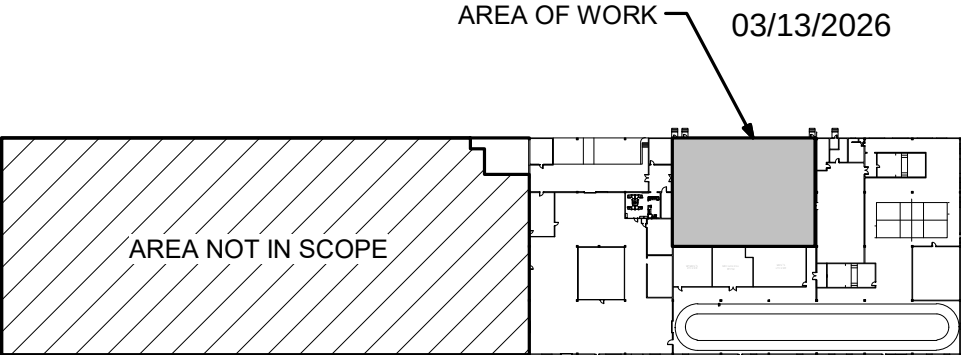
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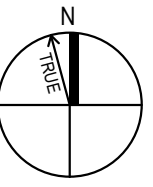
DSCC (DEFENSE SUPPLY CENTER)
DLA REPAIR BUILDING 27
CSC-24601 P2# 519087

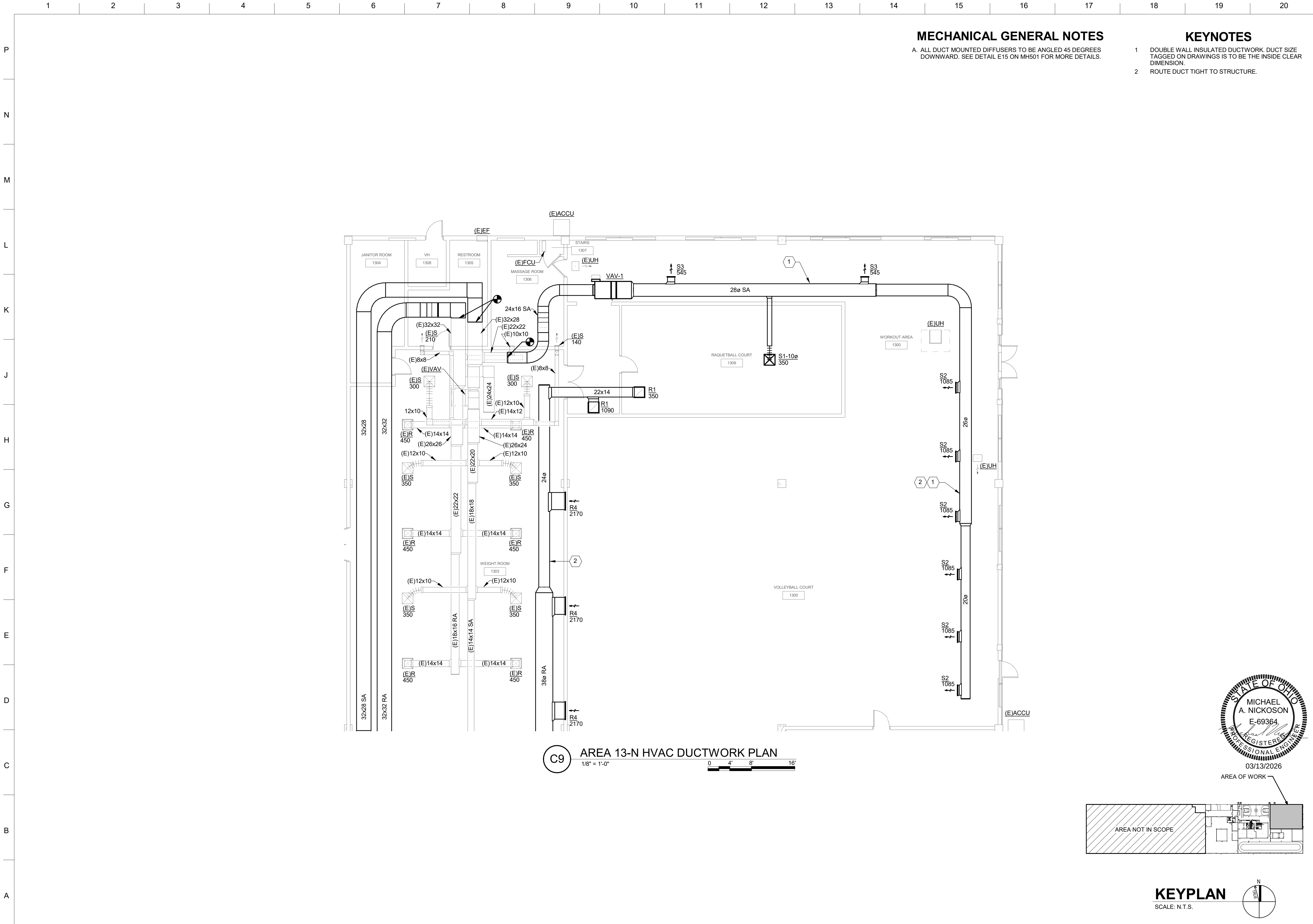
AREA 12-N HVAC DUCTWORK PLAN

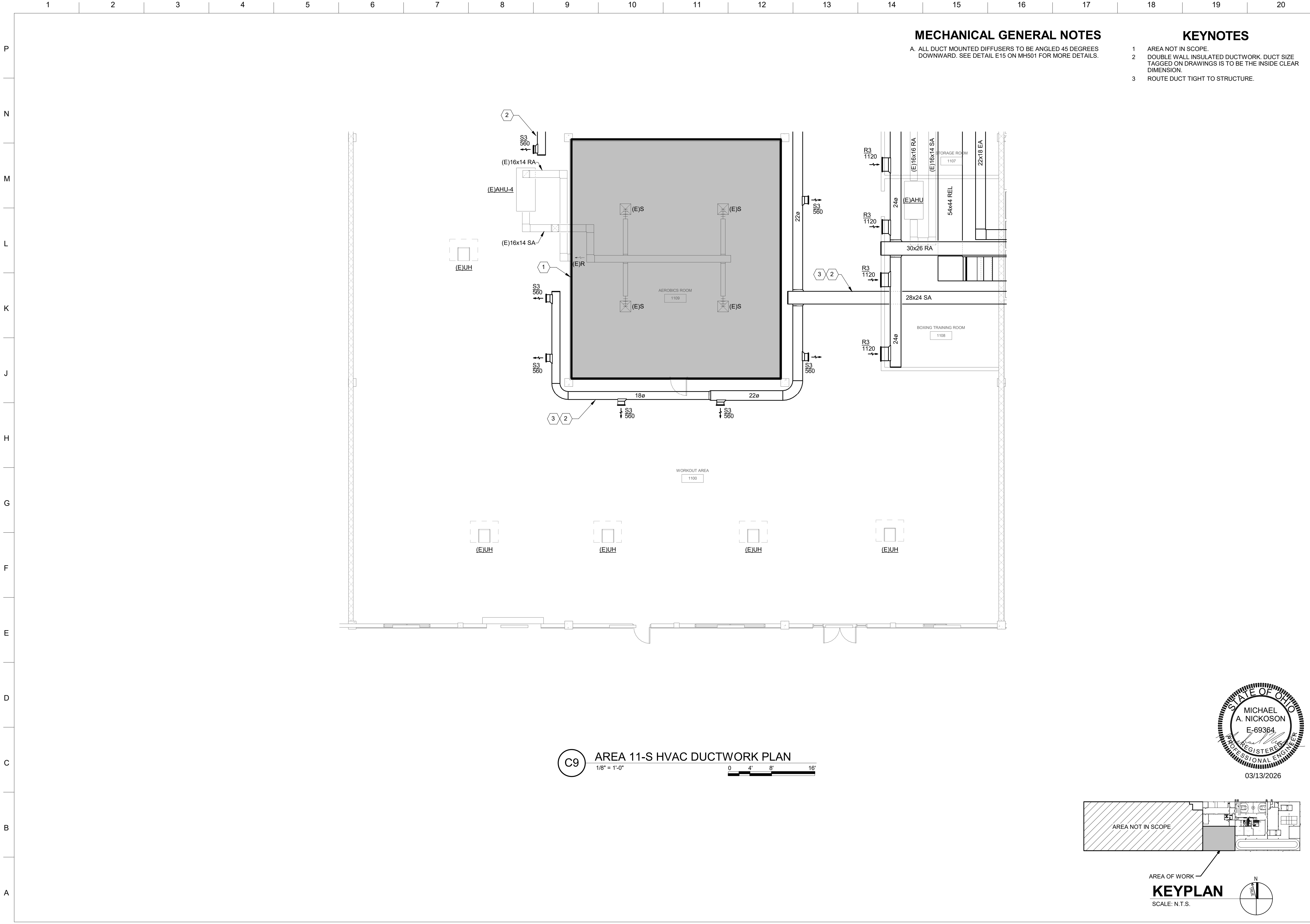
SHEET ID
BLDG 27
MH102



KEYPLAN
SCALE: N.T.S.





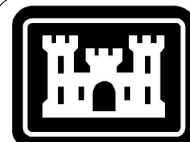


MECHANICAL GENERAL NOTES

A. ALL DUCT MOUNTED DIFFUSERS TO BE ANGLED 45 DEGREES DOWNWARD. SEE DETAIL E15 ON MH501 FOR MORE DETAILS.

KEYNOTES

- 1 AREA NOT IN SCOPE.
- 2 DOUBLE WALL INSULATED DUCTWORK. DUCT SIZE TAGGED ON DRAWINGS IS TO BE THE INSIDE CLEAR DIMENSION.
- 3 ROUTE DUCT TIGHT TO STRUCTURE.



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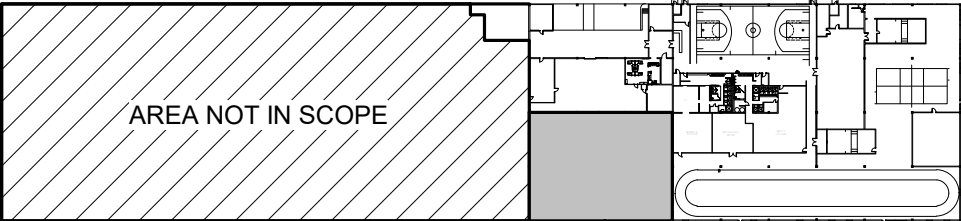
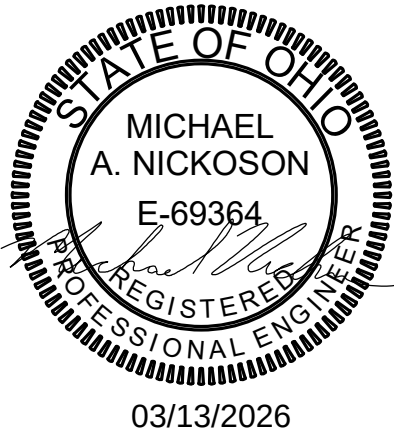
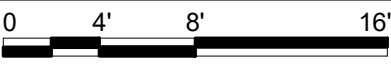
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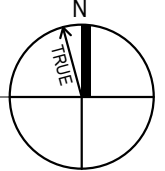
DSCC (DEFENSE SUPPLY CENTER) DLA REPAIR BUILDING 27 CSC-24601 P2# 519087	AREA 11-S HVAC DUCTWORK PLAN
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SHEET ID BLDG 27 MH104

C9 AREA 11-S HVAC DUCTWORK PLAN
1/8" = 1'-0"



AREA OF WORK
KEYPLAN
SCALE: N.T.S.



KEYNOTES

- 1 DOUBLE WALL INSULATED DUCTWORK. DUCT SIZE TAGGED ON DRAWINGS IS TO BE THE INSIDE CLEAR DIMENSION.
- 2 ROUTE DUCT TIGHT TO STRUCTURE.

[illegible]

US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY:	ISSUE DATE:
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	CHECKED BY:	CONTRACT NO.:
CMTA-DLR GROUP	SUBMITTED BY:	
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DSCC (DEFENSE SUPPLY CENTER)
DLA REPAIR BUILDING 27
CSC-24601 P2#: 519087

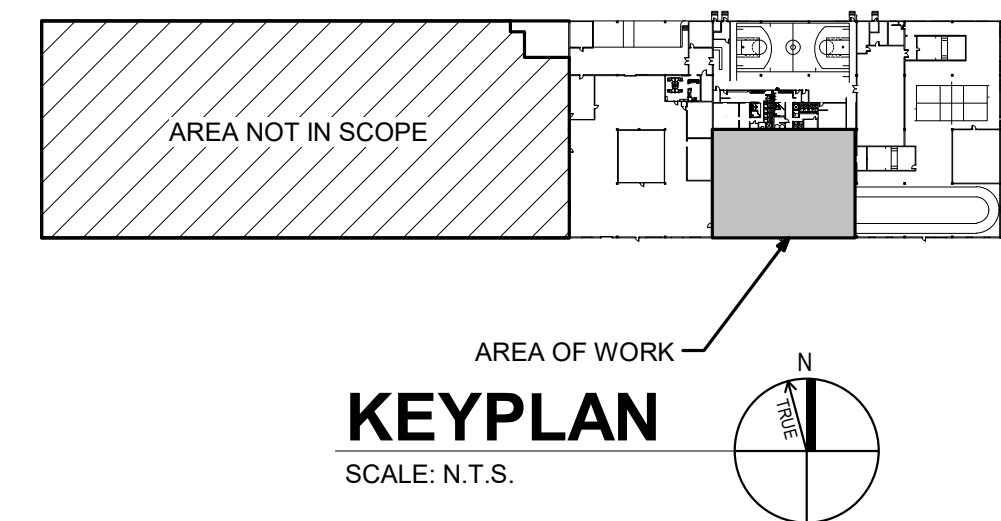
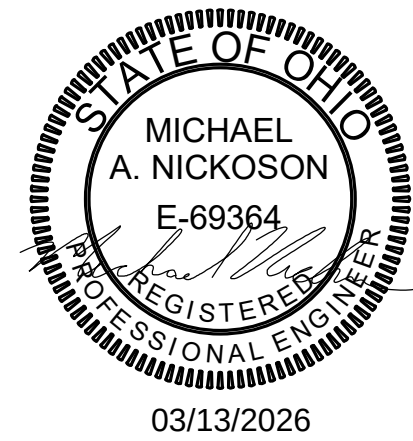
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US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY:	ISSUE DATE: MARCH 13, 2026
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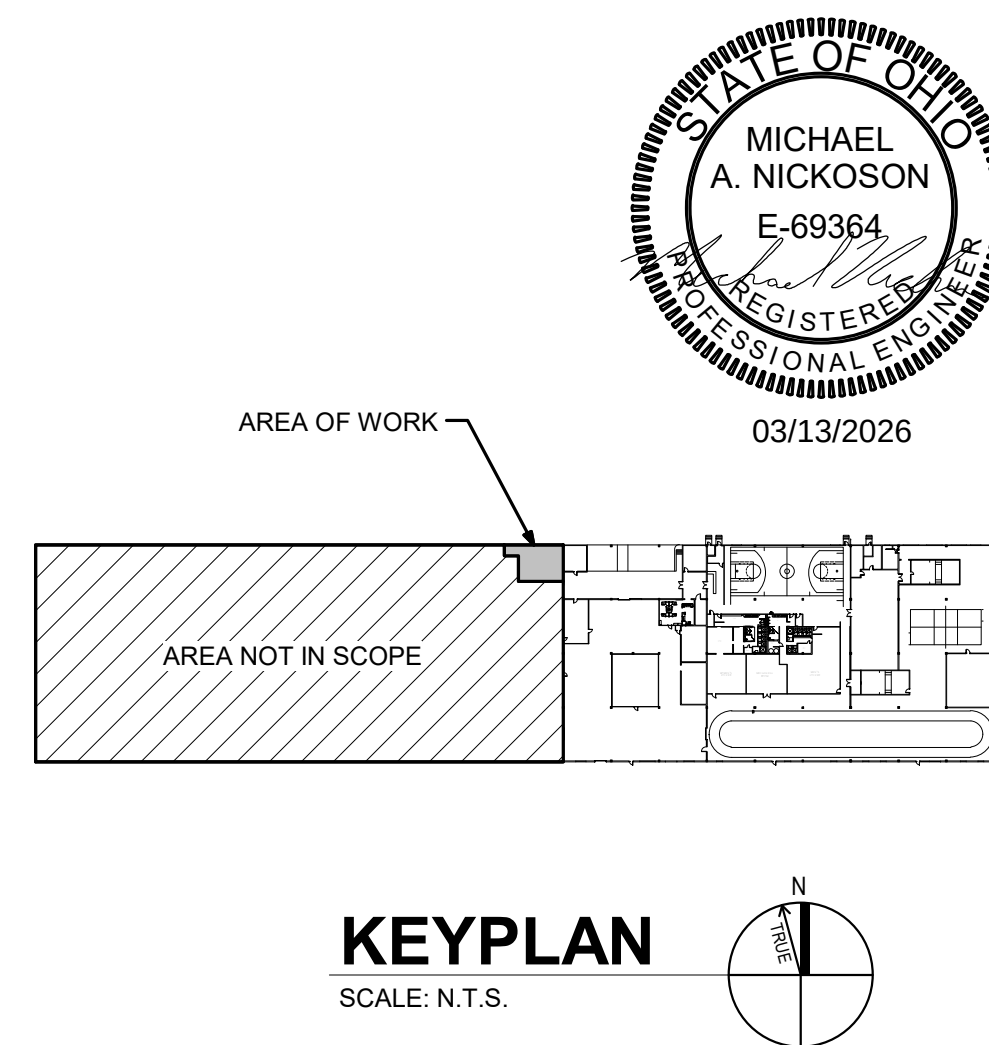
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1 AREA NOT IN SCOPE.

[illegible]

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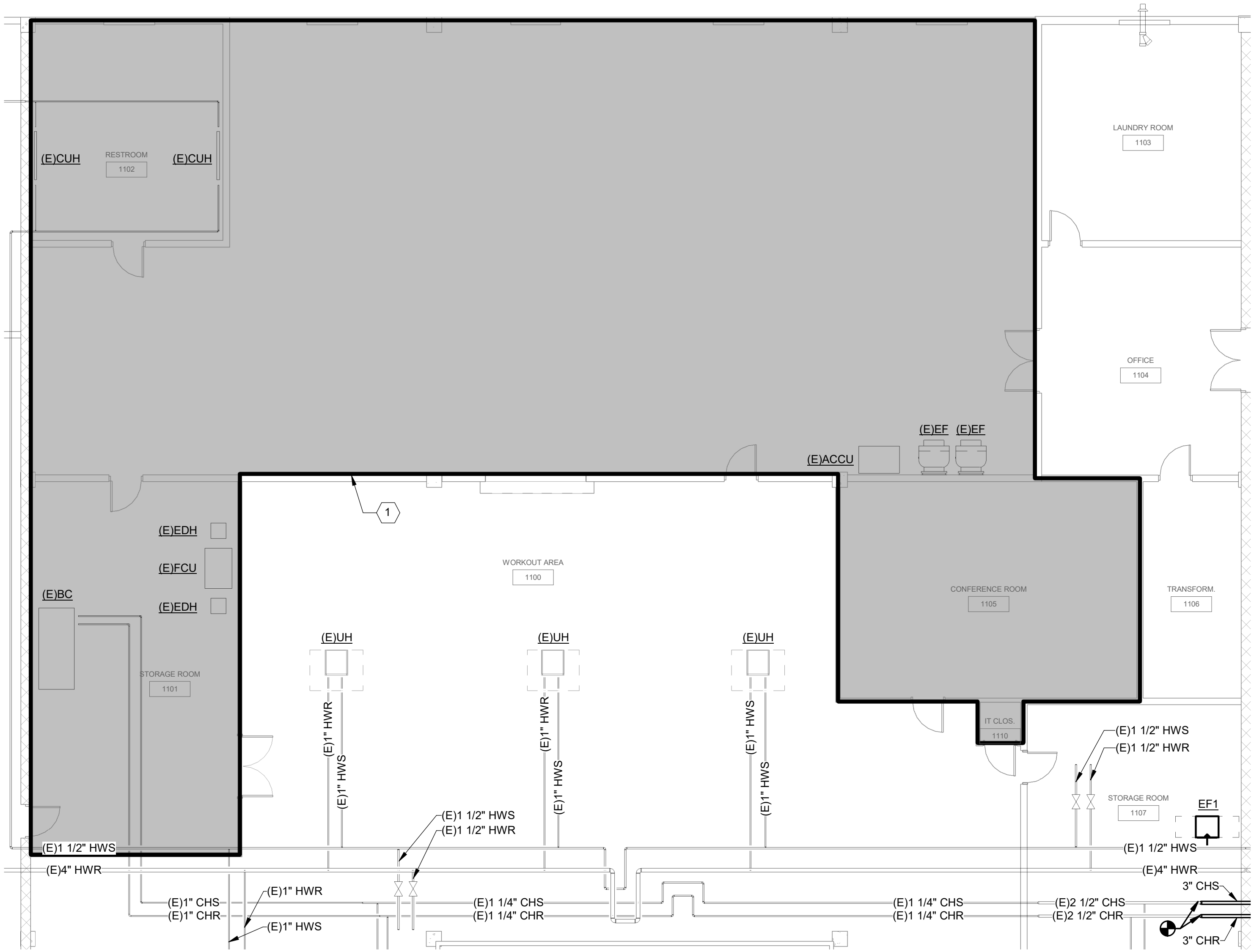
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CSC-24601 P2# 519087

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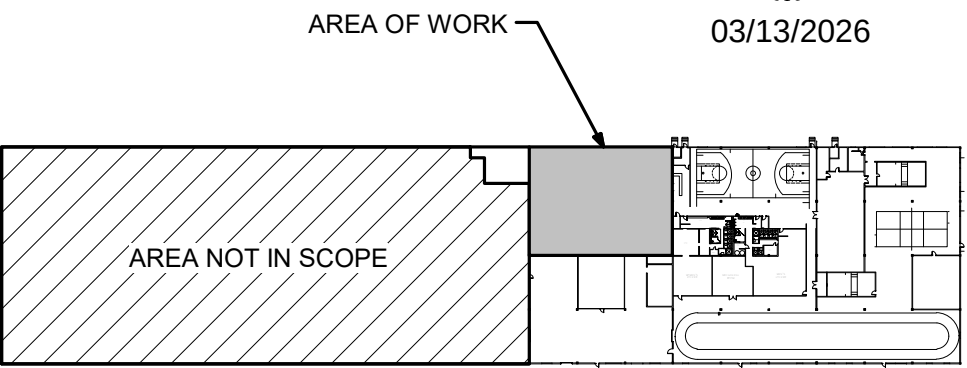
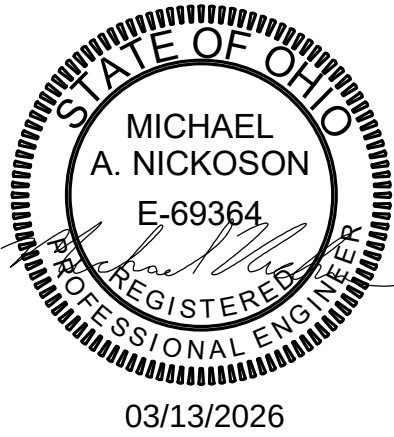
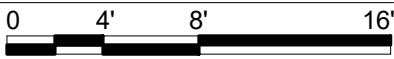
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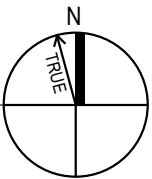
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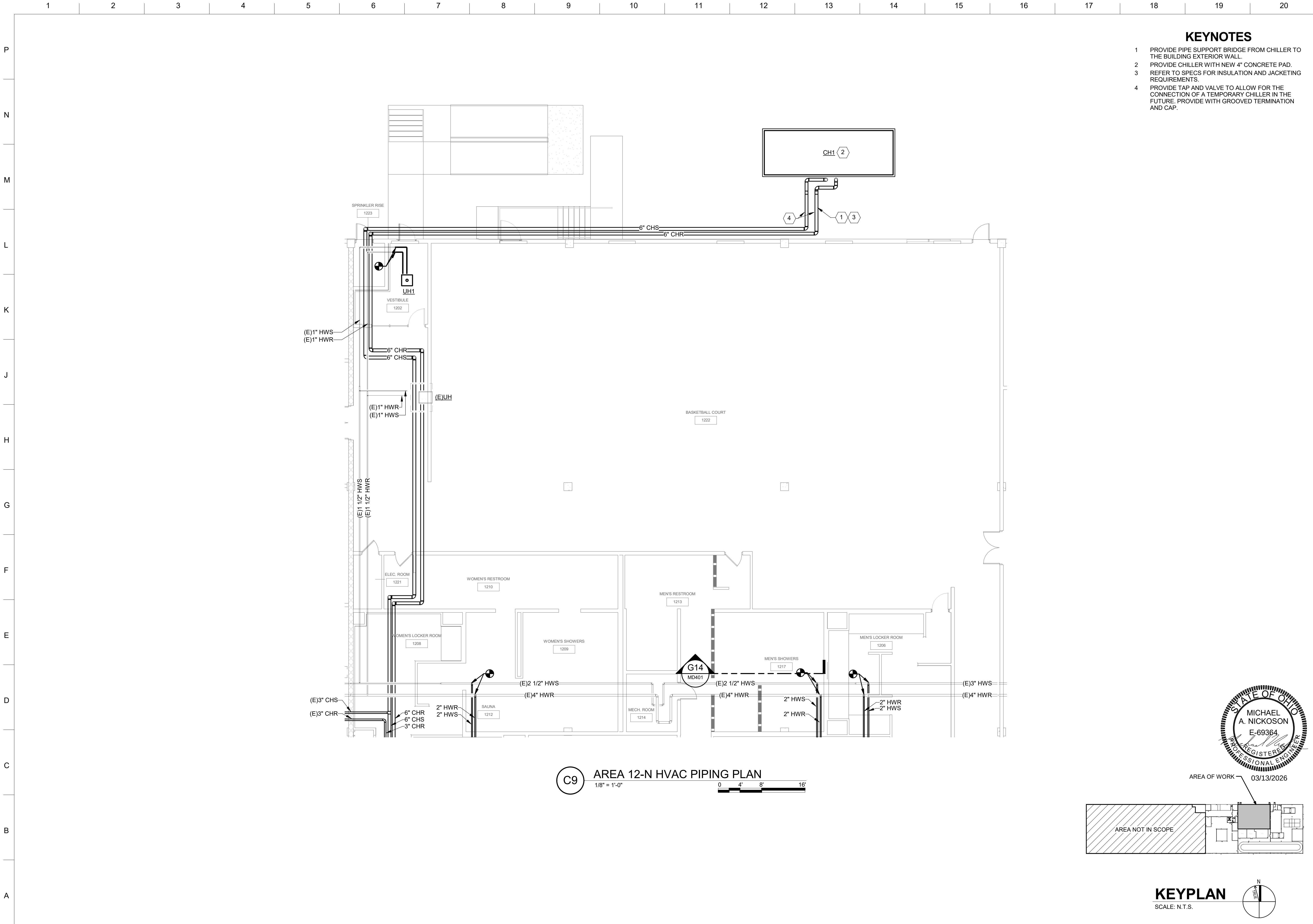
C9 AREA 11-N HVAC PIPING PLAN



KEYPLAN
SCALE: N.T.S.

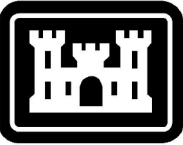


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KEYNOTES

- 1 PROVIDE PIPE SUPPORT BRIDGE FROM CHILLER TO THE BUILDING EXTERIOR WALL.
- 2 PROVIDE CHILLER WITH NEW 4" CONCRETE PAD.
- 3 REFER TO SPECS FOR INSULATION AND JACKETING REQUIREMENTS.
- 4 PROVIDE TAP AND VALVE TO ALLOW FOR THE CONNECTION OF A TEMPORARY CHILLER IN THE FUTURE. PROVIDE WITH GROOVED TERMINATION AND CAP.



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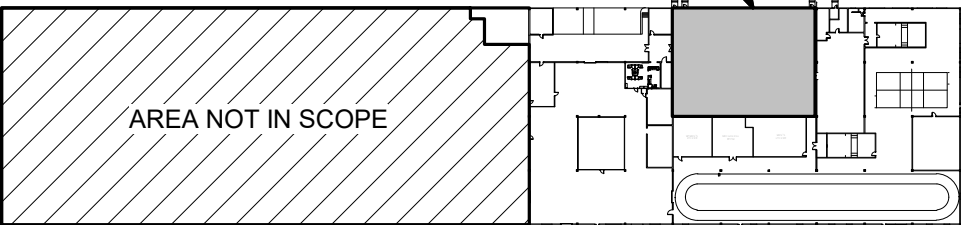
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CMTA-DLR GROUP	

DSCC (DEFENSE SUPPLY CENTER) DLA REPAIR BUILDING G-27 CSC-24601 P2# 519087	
AREA 12-N HVAC PIPING PLAN	

SHEET ID BLDG 27 MP102

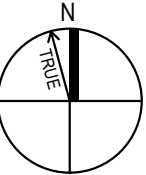


AREA OF WORK 03/13/2026



KEYPLAN

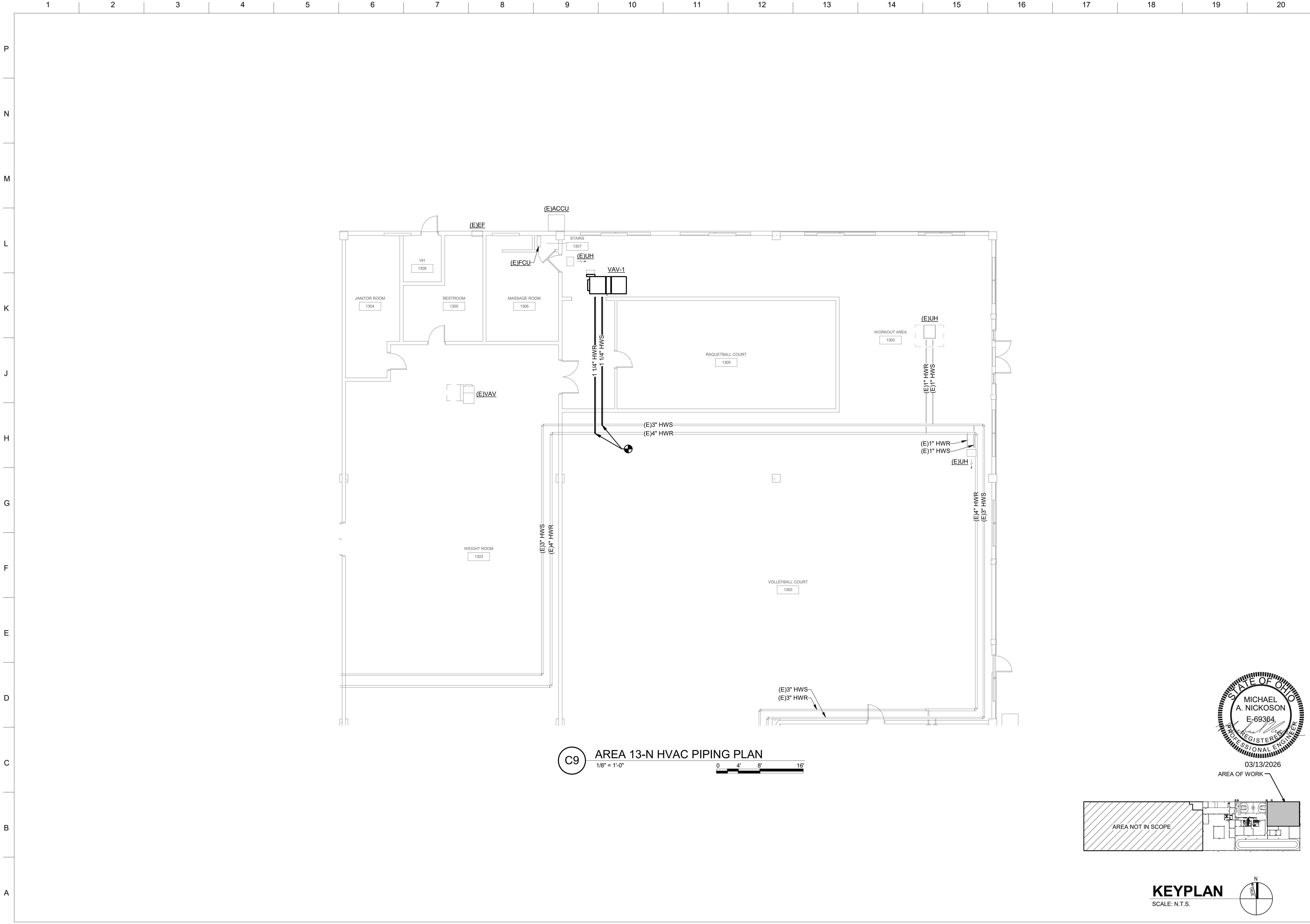
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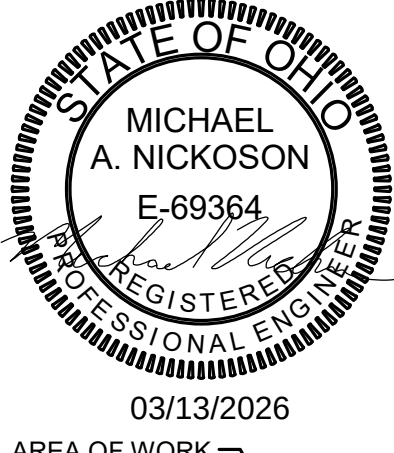
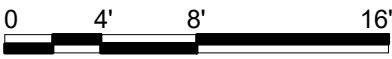
C9 AREA 12-N HVAC PIPING PLAN

1/8" = 1'-0"

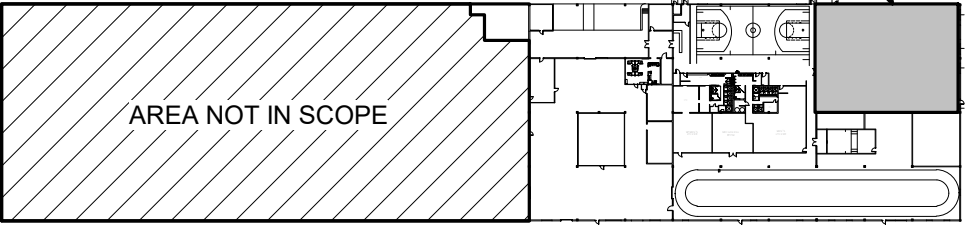




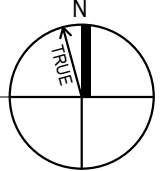
C9 AREA 13-N HVAC PIPING PLAN
1/8" = 1'-0"



AREA OF WORK



KEYPLAN
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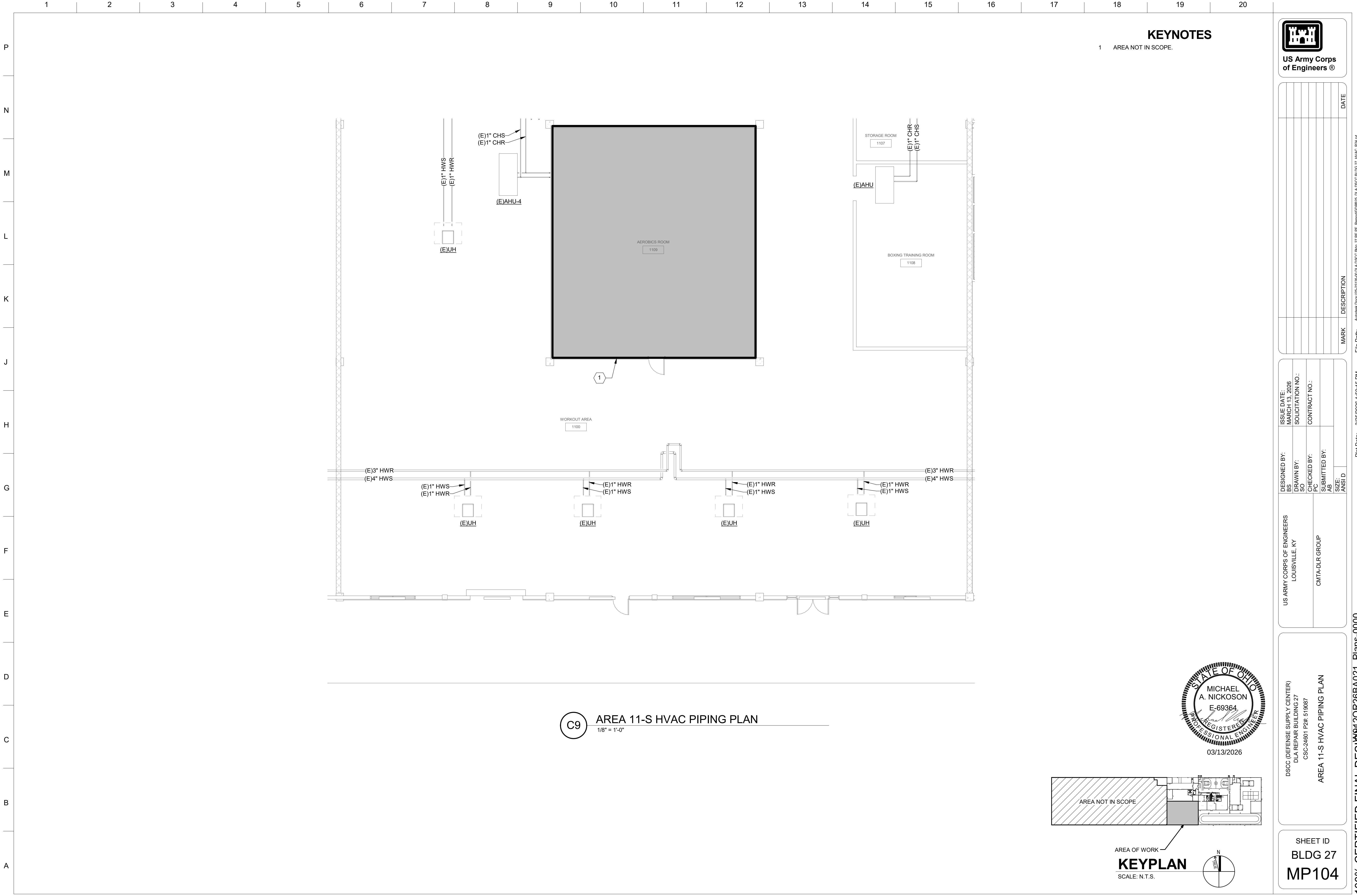
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US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	
CMTA-DLR GROUP	

DSCC (DEFENSE SUPPLY CENTER) DLA REPAIR BUILDING 27 CSC-24601 P2# 519087	AREA 13-N HVAC PIPING PLAN
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SHEET ID BLDG 27 MP103



KEYNOTES

1 AREA NOT IN SCOPE.



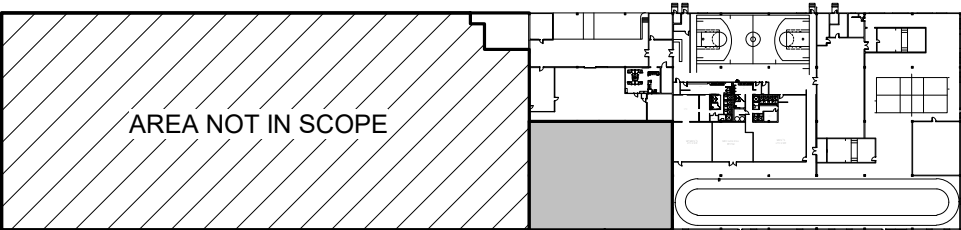
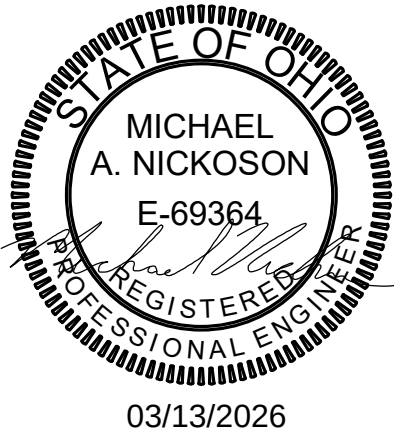
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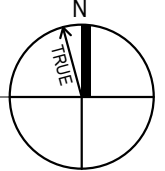
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US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	
CMTA-DLR GROUP	

DSCC (DEFENSE SUPPLY CENTER) DLA REPAIR BUILDING 27 CSC-24601 P2# 519087	AREA 11-S HVAC PIPING PLAN
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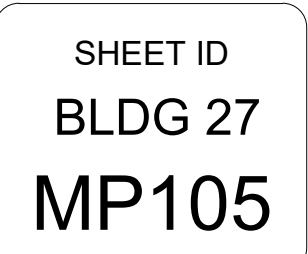
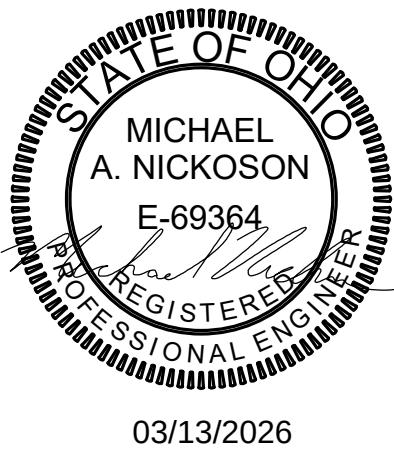
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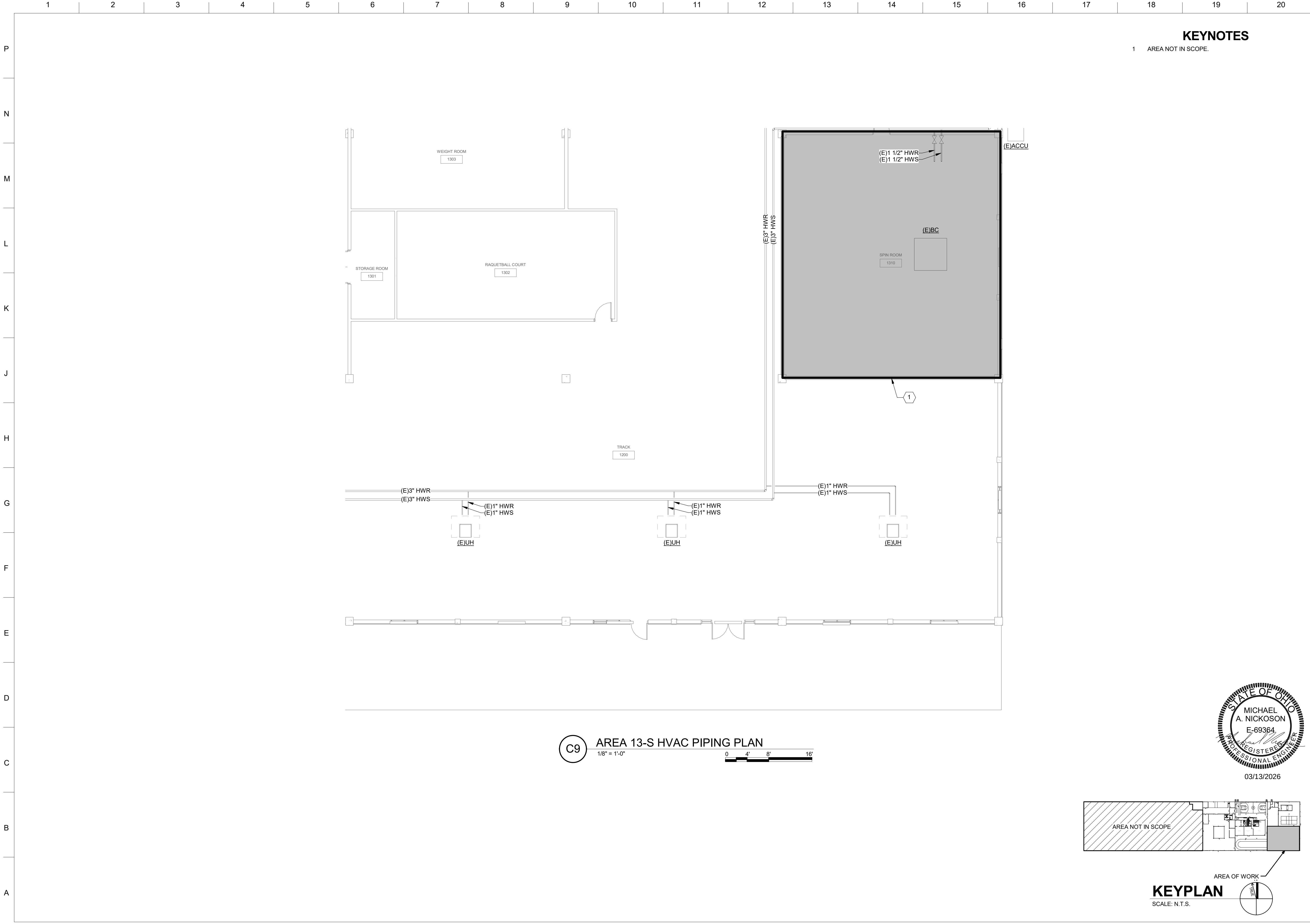


AREA OF WORK
KEYPLAN
SCALE: N.T.S.



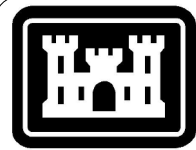
C9 AREA 11-S HVAC PIPING PLAN
1/8" = 1'-0"





KEYNOTES

1 AREA NOT IN SCOPE.



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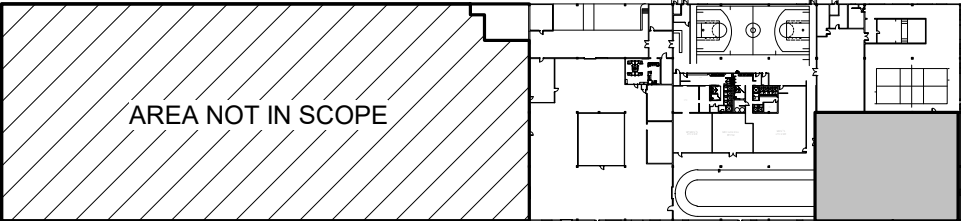
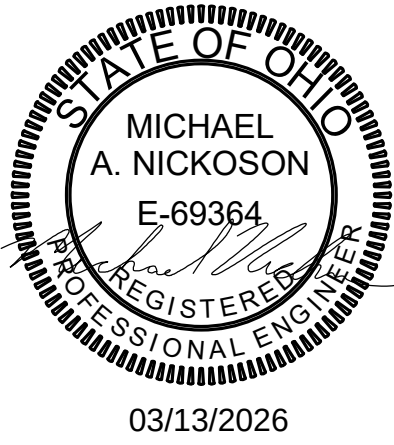
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DESIGNED BY: BS	ISSUE DATE: MARCH 13, 2026
DRAWN BY: SO	SOLICITATION NO.:
CHECKED BY: PC	CONTRACT NO.:
SUBMITTED BY: AB	
SIZE: ANSI D	

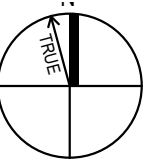
US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	
CMTA-DLR GROUP	

DSCC (DEFENSE SUPPLY CENTER) DLA REPAIR BUILDING 27 CSC-24601 P2# 519087	AREA 13-S HVAC PIPING PLAN
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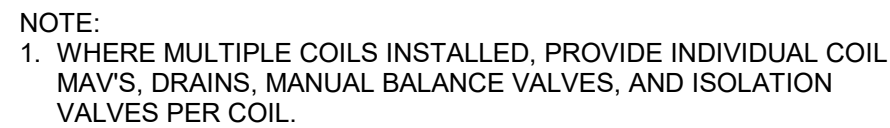
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KEYPLAN
SCALE: N.T.S.



C9 AREA 13-S HVAC PIPING PLAN
1/8" = 1'-0"
0 4' 8' 16'



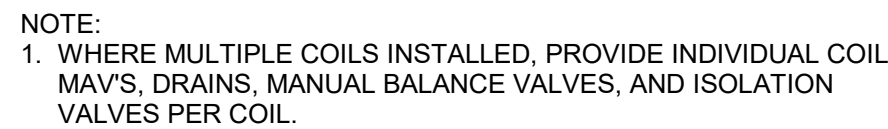
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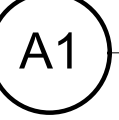
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(L17) NTS

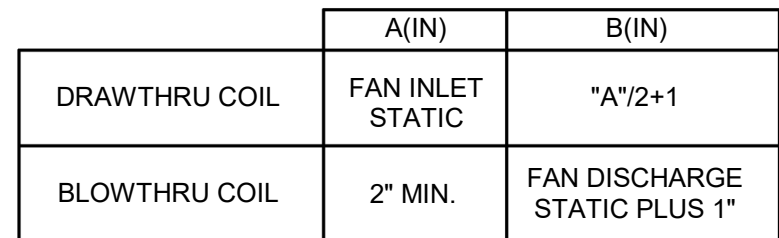


G6



MAXIMUM PIPE/TUBING SUPPORT SPACING											
NOM. SIZE	IN.	THRU 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
PIPE	FT.	7	7	7	9	10	11	12	14	16	17
TUBING	FT.	5 FT	6	7	8	8	9	10	12	13	14
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.											

A6



NOTE: CONTRACTOR TO ADJUST THICKNESS OF HOUSEKEEPING PAD AS NECESSARY TO ACCOMMODATE CONDENSATE DRAINS.

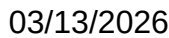
F15



NOTE:

1. APPLICABLE TO PENETRATIONS OF ALL FIRE RATED MEMBRANES, IN ACCORDANCE WITH NFPA 101. REFER TO SPECIFICATIONS FOR FIRE STOPPING SYSTEMS.

A14

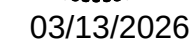
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US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	CMTA-DLR GROUP	DESIGNED BY: BS		ISSUE DATE: MARCH 13, 2026
		DRAWN BY: AS		SOLICITATION NO.:
		CHECKED BY: PC		CONTRACT NO.:
		SUBMITTED BY: AB		
		APPROVED BY: ANSLD		

DSCC (DEFENSE SUPPLY CENTER)
DLA REPAIR BUILDING 27
CSC-24601 P2#: 519087
HVAC DETAILS

SHEET ID
BLDG 27
MP501

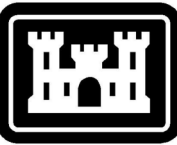






KEYNOTES

- 1 REMOVE TANKLESS GAS WATER HEATER. DISCONNECT WATER, FLUE, NATURAL GAS AND ELECTRICAL CONNECTIONS. PREPARE EXISTING SERVICES FOR CONNECTION TO NEW TANKLESS GAS WATER HEATER.



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MARK	DESCRIPTION	DATE

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CHECKED BY: J WALDRON	CONTRACT NO.:
SUBMITTED BY: M NICKOSON	
SIZE: ANSI D	

US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	
CMTA-DLR GROUP	

DSCC (DEFENSE SUPPLY CENTER)
DLA REPAIR BUILDING 27
CSC-24601 P2#-519087

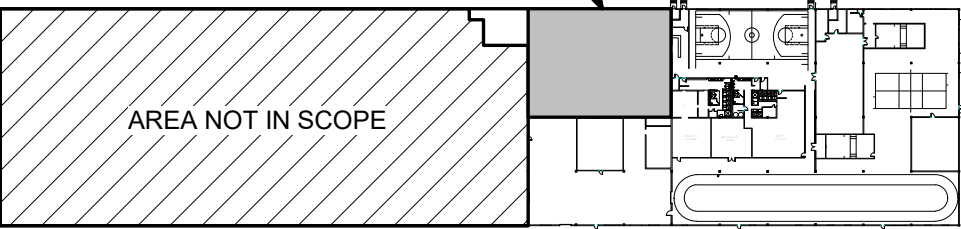
LEVEL 01 - AREA 11-N PLUMBING DEMOLITION
PLAN

SHEET ID

PD101

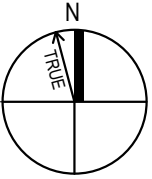


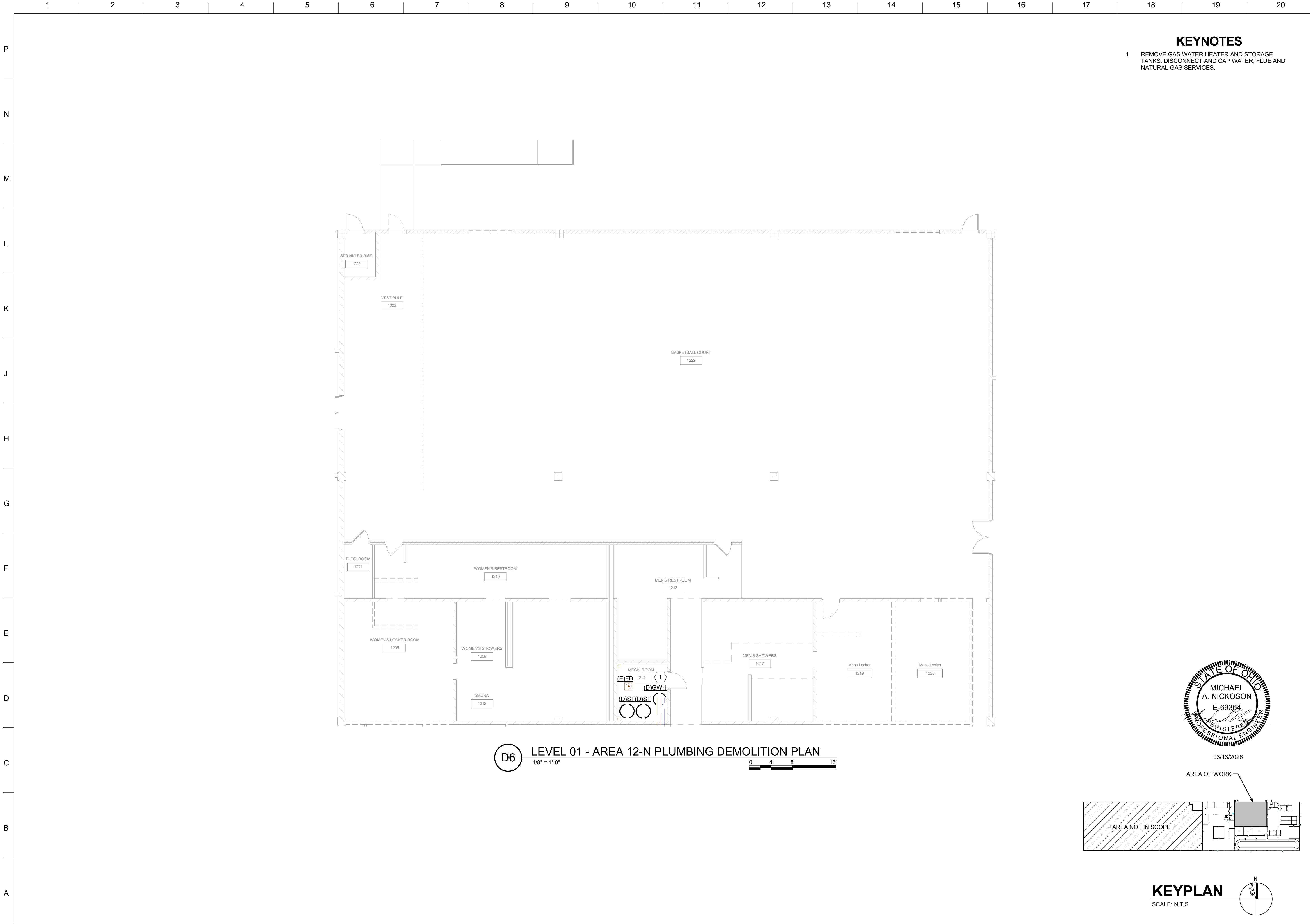
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03/13/2026



KEYPLAN

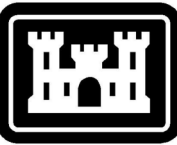
SCALE: N.T.S.





KEYNOTES

- 1 REMOVE GAS WATER HEATER AND STORAGE TANKS. DISCONNECT AND CAP WATER, FLUE AND NATURAL GAS SERVICES.



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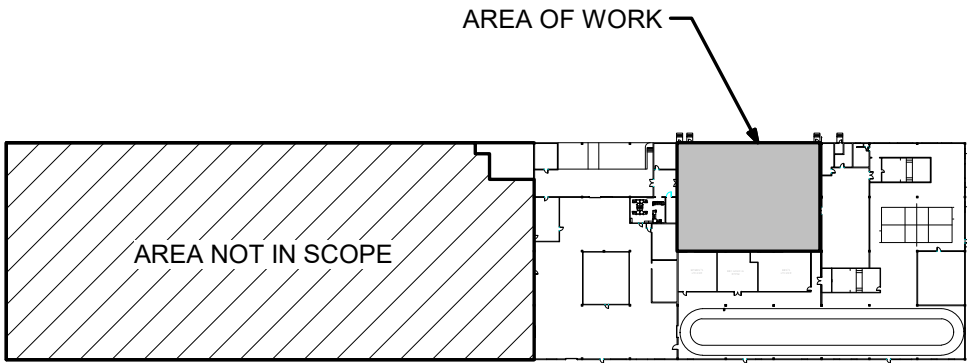
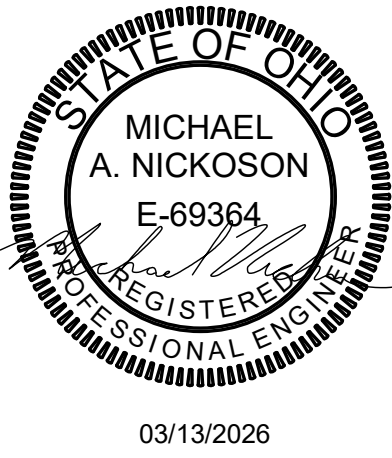
MARK	DESCRIPTION	DATE

DESIGNED BY: M NICKOSON	ISSUE DATE: MARCH 13, 2026
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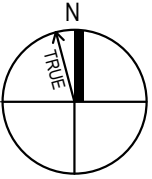
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CMTA-DLR GROUP	

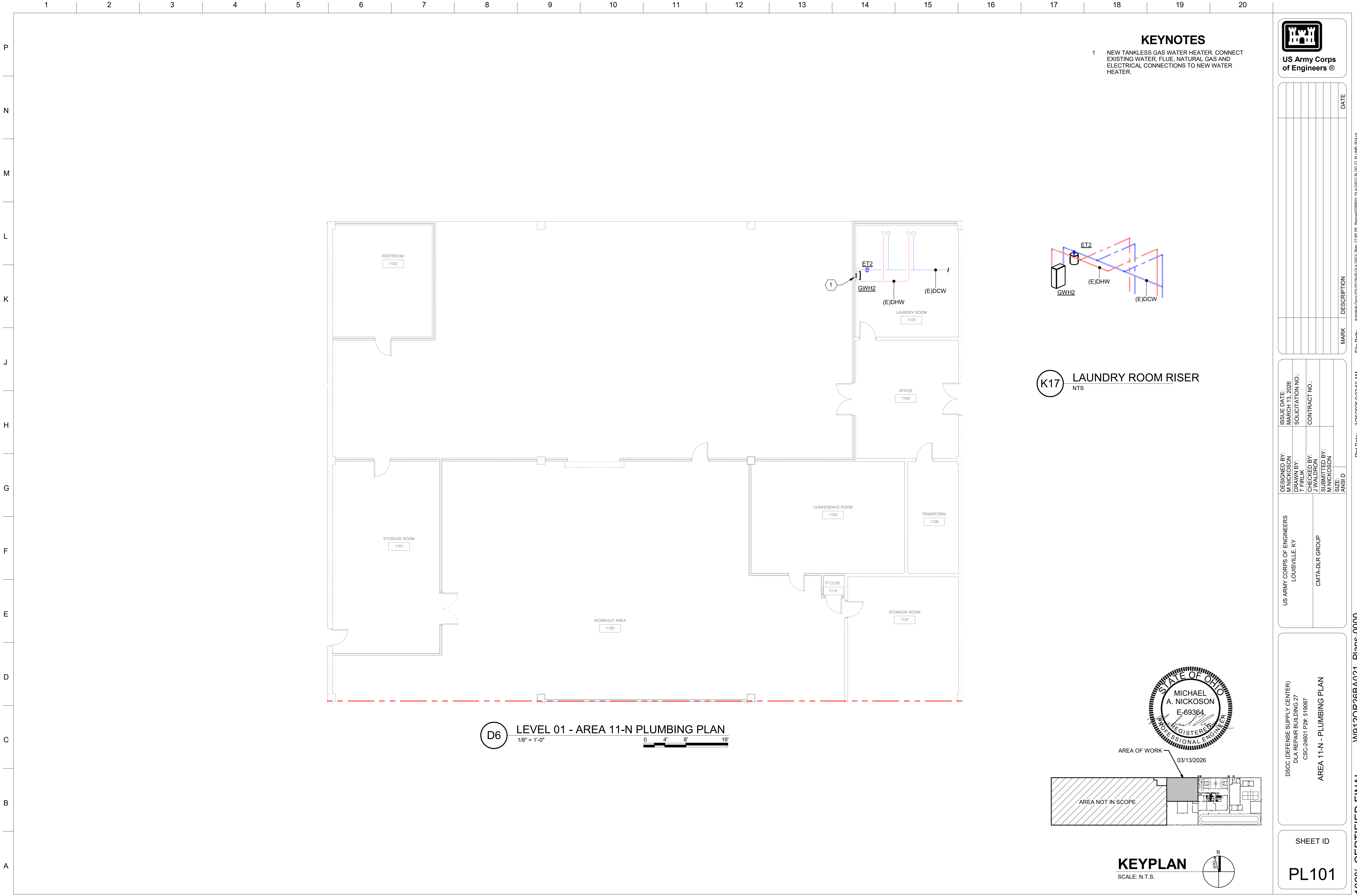
DSCC (DEFENSE SUPPLY CENTER)
DLA REPAIR BUILDING 27
CSC-24601 P2#-519087
LEVEL 01 - AREA 12-N PLUMBING DEMOLITION PLAN

SHEET ID
BLDG 27
PD102



KEYPLAN
SCALE: N.T.S.



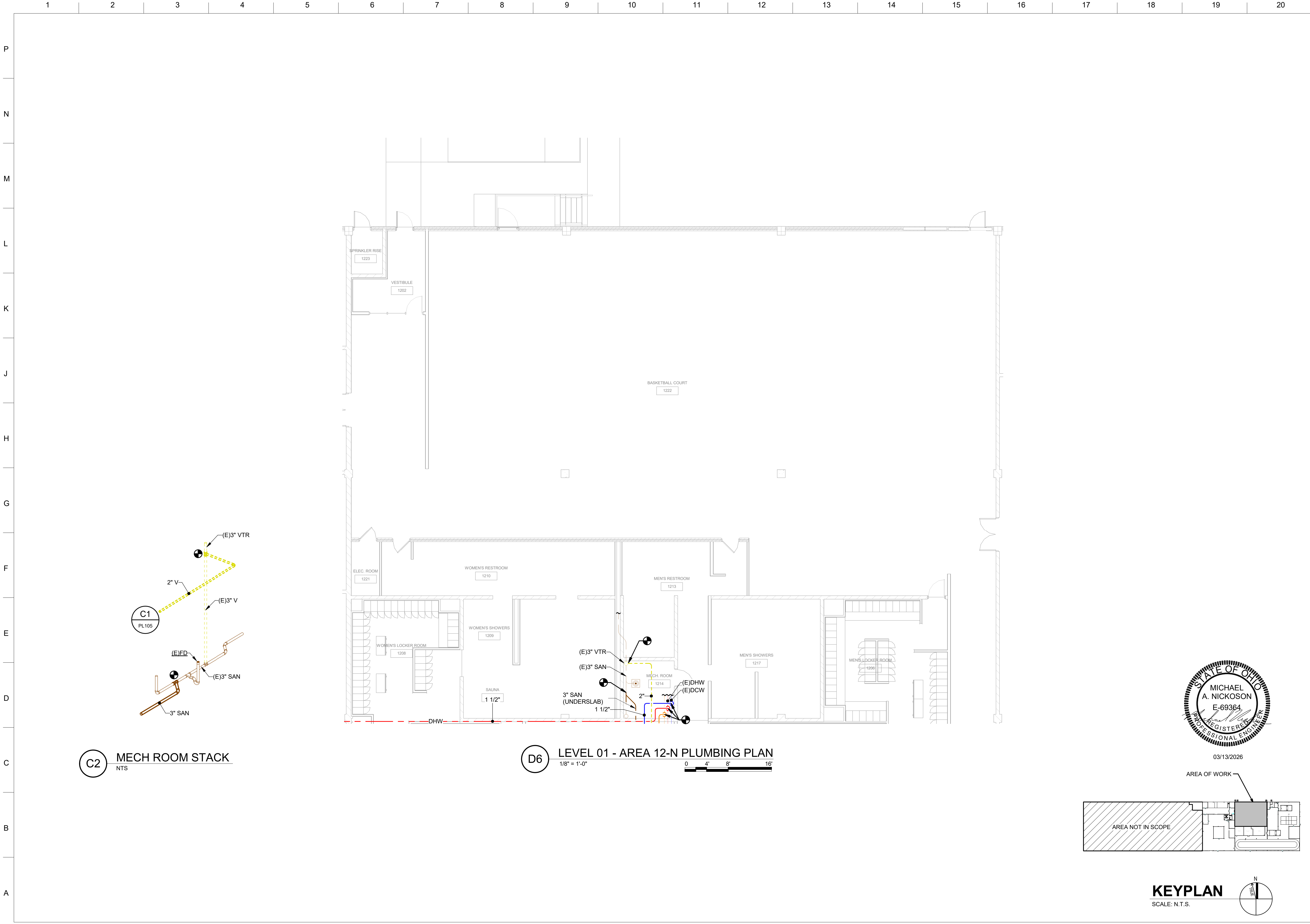


MARK	DESCRIPTION	DATE

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DRAWN BY: T FIRLIK	SOLICITATION NO.:
CHECKED BY: J WALDRON	CONTRACT NO.:
SUBMITTED BY: M NICKOSON	
SIZE: ANSI D	
US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	
CMTA-DLR GROUP	

DSCC (DEFENSE SUPPLY CENTER) DLA REPAIR BUILDING 27 CSC-24601 P2#-519087	AREA 11-N - PLUMBING PLAN
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SHEET ID PL101





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CHECKED BY: J WALDRON	CONTRACT NO.:
SUBMITTED BY: M NICKOSON	
SIZE: ANSI D	

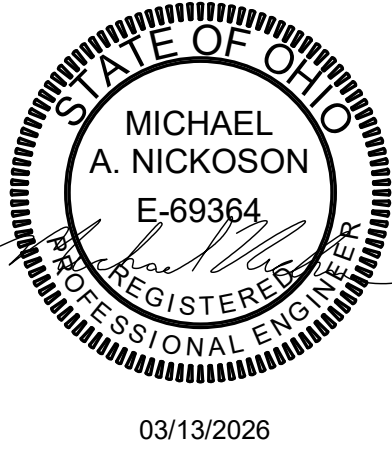
US ARMY CORPS OF ENGINEERS
LOUISVILLE, KY

CMTA-DLR GROUP

DSCC (DEFENSE SUPPLY CENTER)
DLA REPAIR BUILDING 27
CSC-24601 P2#-519087

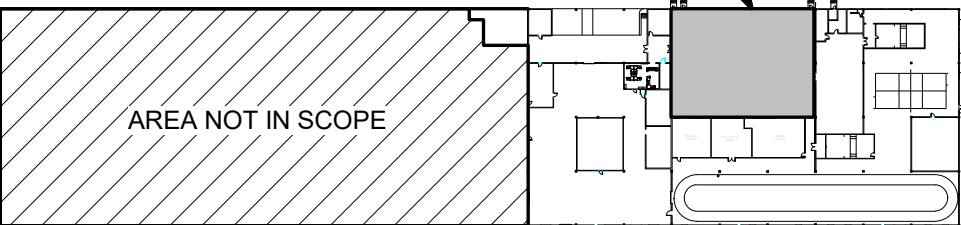
AREA 12-N - PLUMBING PLAN

SHEET ID
BLDG 27
PL102



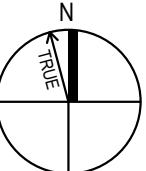
03/13/2026

AREA OF WORK



AREA NOT IN SCOPE

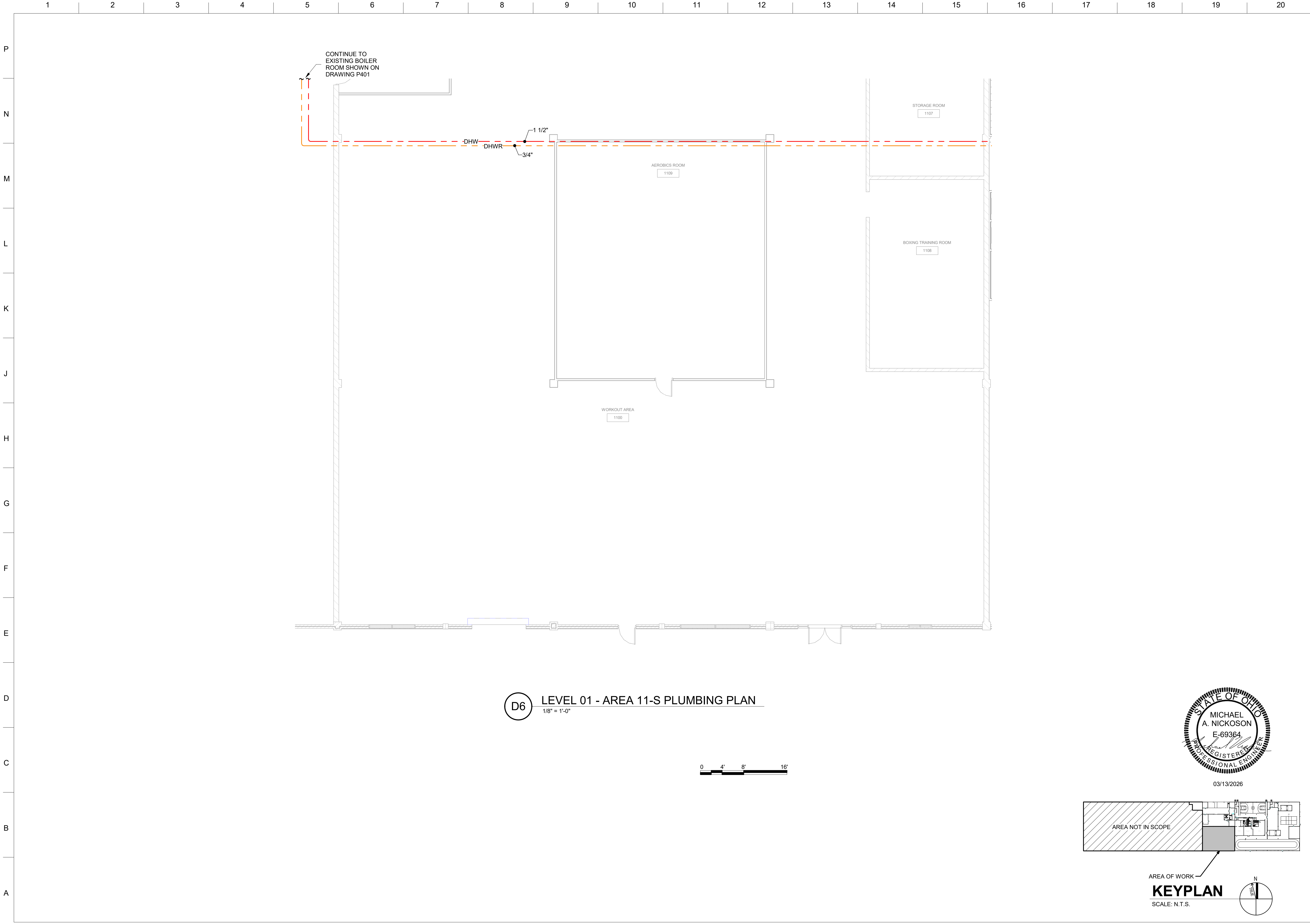
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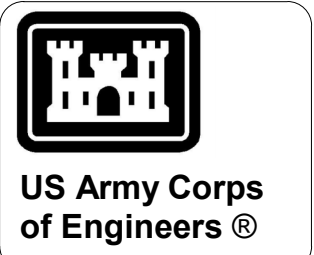
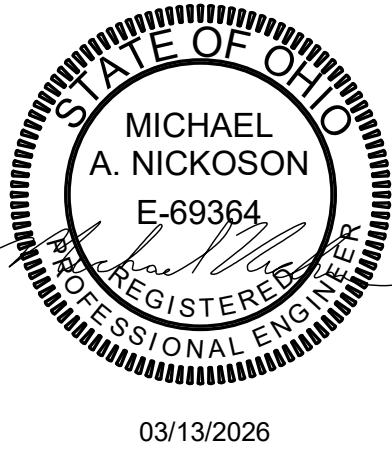
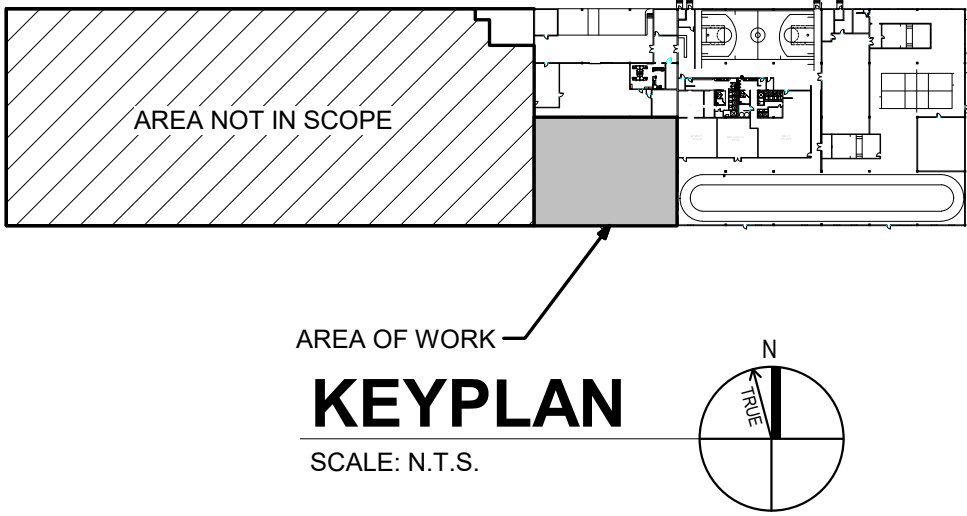
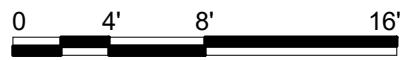
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D6 LEVEL 01 - AREA 11-S PLUMBING PLAN
1/8" = 1'-0"



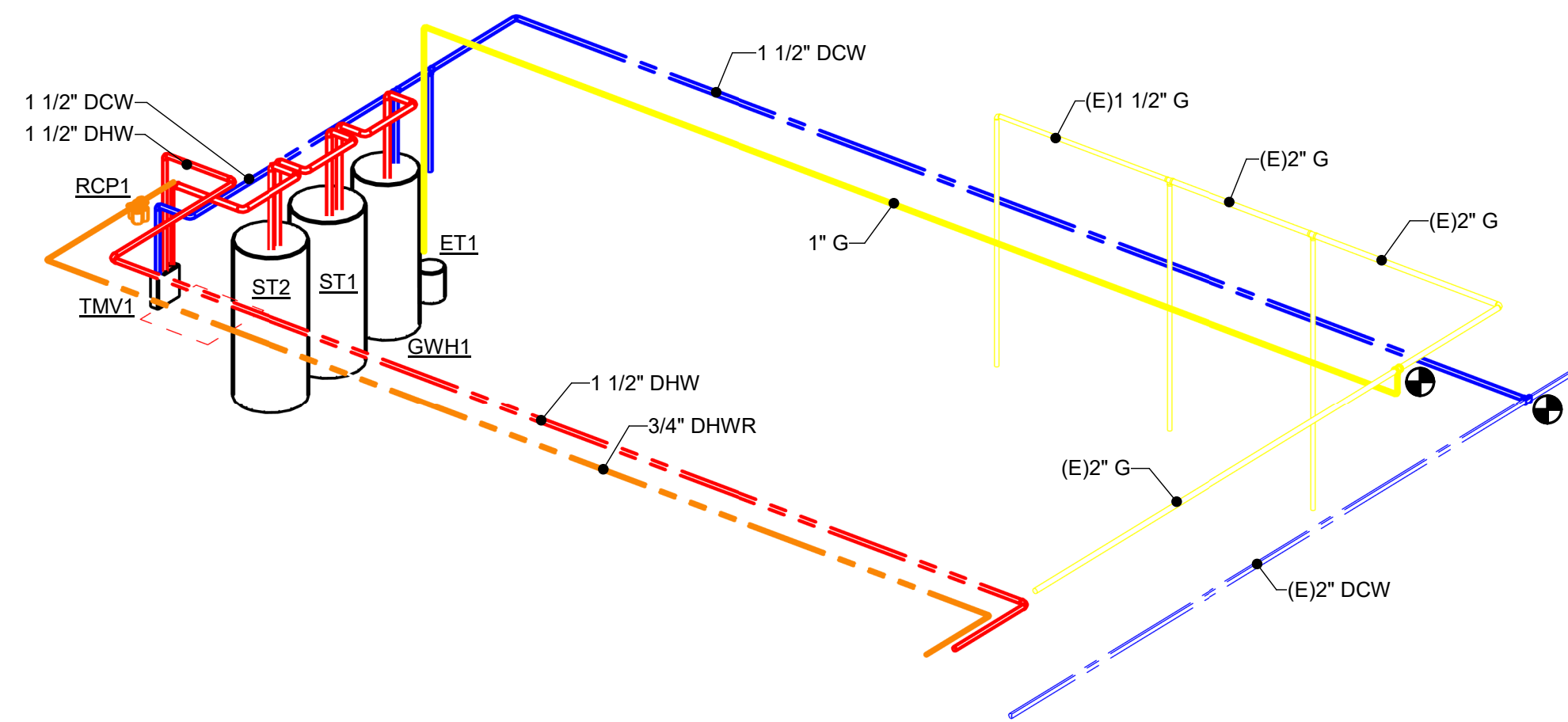
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DESIGNED BY: M NICKOSON	ISSUE DATE: MARCH 13, 2026
DRAWN BY: T FIRLIK	SOLICITATION NO.:
CHECKED BY: J WALDRON	CONTRACT NO.:
SUBMITTED BY: M NICKOSON	
SIZE: ANSI D	

US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	
CMTA-DLR GROUP	

DSCC (DEFENSE SUPPLY CENTER) DLA REPAIR BUILDING 27 CSC-24601 P2#- 519087	AREA 11-S - PLUMBING PLAN
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SHEET ID BLDG 27 PL104



SHEET NOTES

ALL WATER HEATER AND WATER DISTRIBUTION PIPING SCOPE TO BE INCLUDED IN BID OPTION #2.

[illegible]

US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DRAWN BY: MCKINNON T FRULK	CHECKED BY: J WALDRON	SUBMITTED BY: MCKINNON		CONTRACT NO.:	DATE: MARCH 13, 2026
			SIZE: ANSI D			

DSCC (DEFENSE SUPPLY CENTER)
DLA REPAIR BUILDING 27
CSC-24601 P2#: 519087

SHEET ID

P-401

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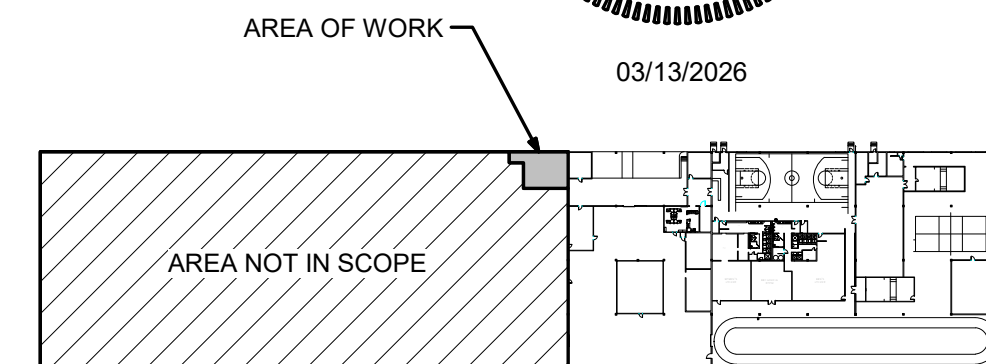
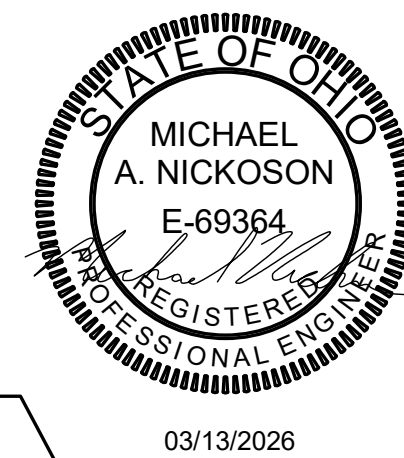
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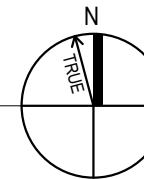
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KEYPLAN
SCALE: N.T.S.



PUMP SCHEDULE															
UNIT DATA			PERFORMANCE DATA				MOTOR DATA						GENERAL DATA	SCHEDULE NOTES	
TAG	LOCATION	FUNCTION	PUMP TYPE	FLUID TYPE	FLOW (GPM)	EXT WPD (FT HD)	HP	RPM	PHASE	VOLTS	FLA	VFD	EMERGENCY POWER		REDUNDANT
RCP1	BOILER ROOM	130" DHWR	CENTRIFUGAL	WATER	2	8.00	0.12	2200	1	120	1	No	No	No	PROVIDE AQUASTAT

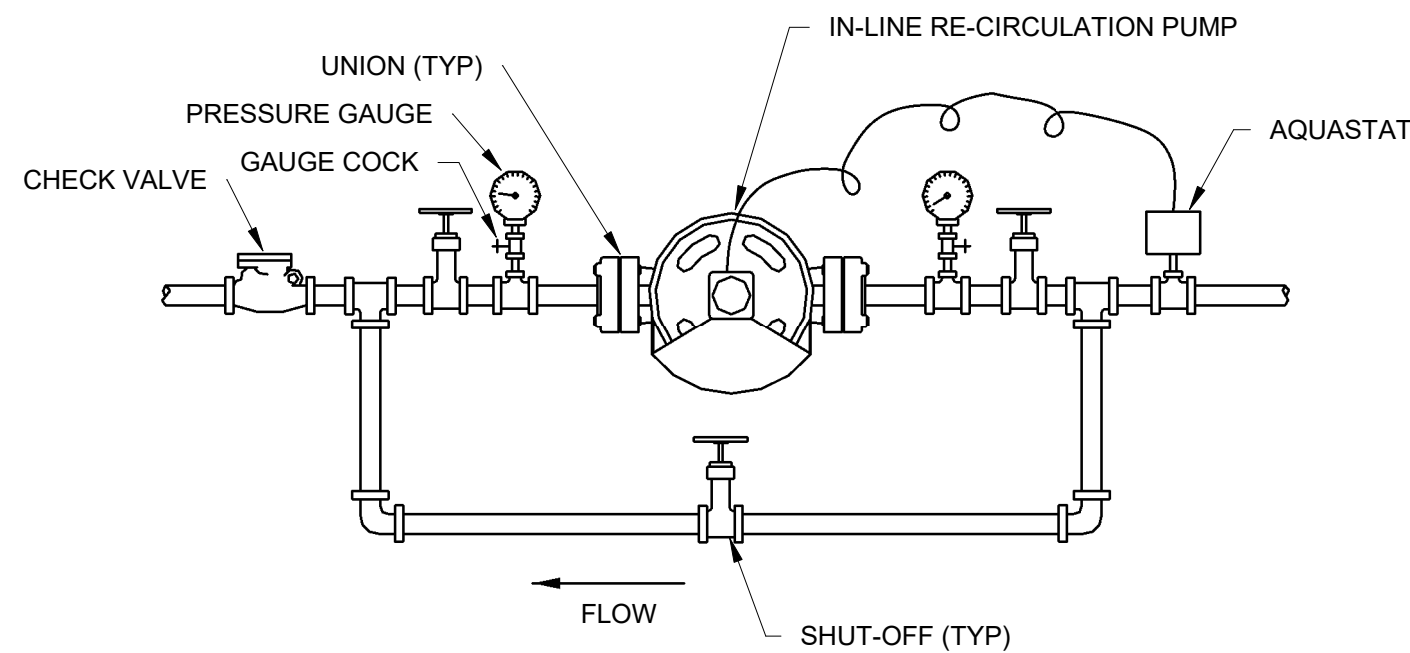
PLUMBING SPECIALTIES SCHEDULE			
UNIT DATA			SCHEDULE NOTES
TAG	FUNCTION	DESCRIPTION	
EW1	WATER COOLER	MIDNIGHT BLACK WALL, HUNG WATER COOLER, PROVIDE WITH CANE GUARD, FILTER, AND WALL CARRIER. CHILLING CAPACITY OF 8.0 GPH, SINGLE ADA COOLER. MOUNT AT ADA HEIGHT.	
FD1	FLOOR DRAIN	PROVIDE WITH ADJUSTABLE CAST IRON BODY, ROUND BRONZE TOP FOR FINISHED FLOORS. PROVIDE WITH 1/2" TRAP PRIMER INLET.	

GAS FIRED WATER HEATER SCHEDULE												
UNIT DATA			PERFORMANCE DATA			GENERAL DATA			ELECTRICAL DATA			
TAG	LOCATION	FUNCTION	STORAGE	RECOVERY @	INPUT	EF	FLUE	WATER	FLA	VOLTS	PHASE	SCHEDULE NOTES
			CAPACITY	100°F RISE	CAPACITY	F	SIZE	CONNECTION				
			(GAL)	(GAL/HR)	(MBH)	(%)	(IN)	(IN)				
GWH1	BOILER ROOM	DOMESTIC HOT WATER	100.0	335	300	92	3"	1 1/2"	15	120	1	
GWH2	LAUNDRY ROOM	DOMESTIC HOT WATER	0.0	4	200	96	2"	3/4"	3	120	1	

EXPANSION TANK SCHEDULE								
UNIT DATA		PERFORMANCE DATA					WEIGHT (LBS)	SCHEDULE NOTES
TAG	FUNCTION	TANK VOLUME (GAL)	MAX ACCEPTANCE VOLUME (GAL)	AIR PRECHARGE (PSIG)	TOTAL SYSTEM VOLUME (GAL)	CONNECTION SIZE (IN)		
ET1	HOT WATER EXPANSION	22.0	11	150.00	450.0	1"	78.00	
ET2	HOT WATER EXPANSION	2.0	.9	150.00	10.0	3/4"	10.00	

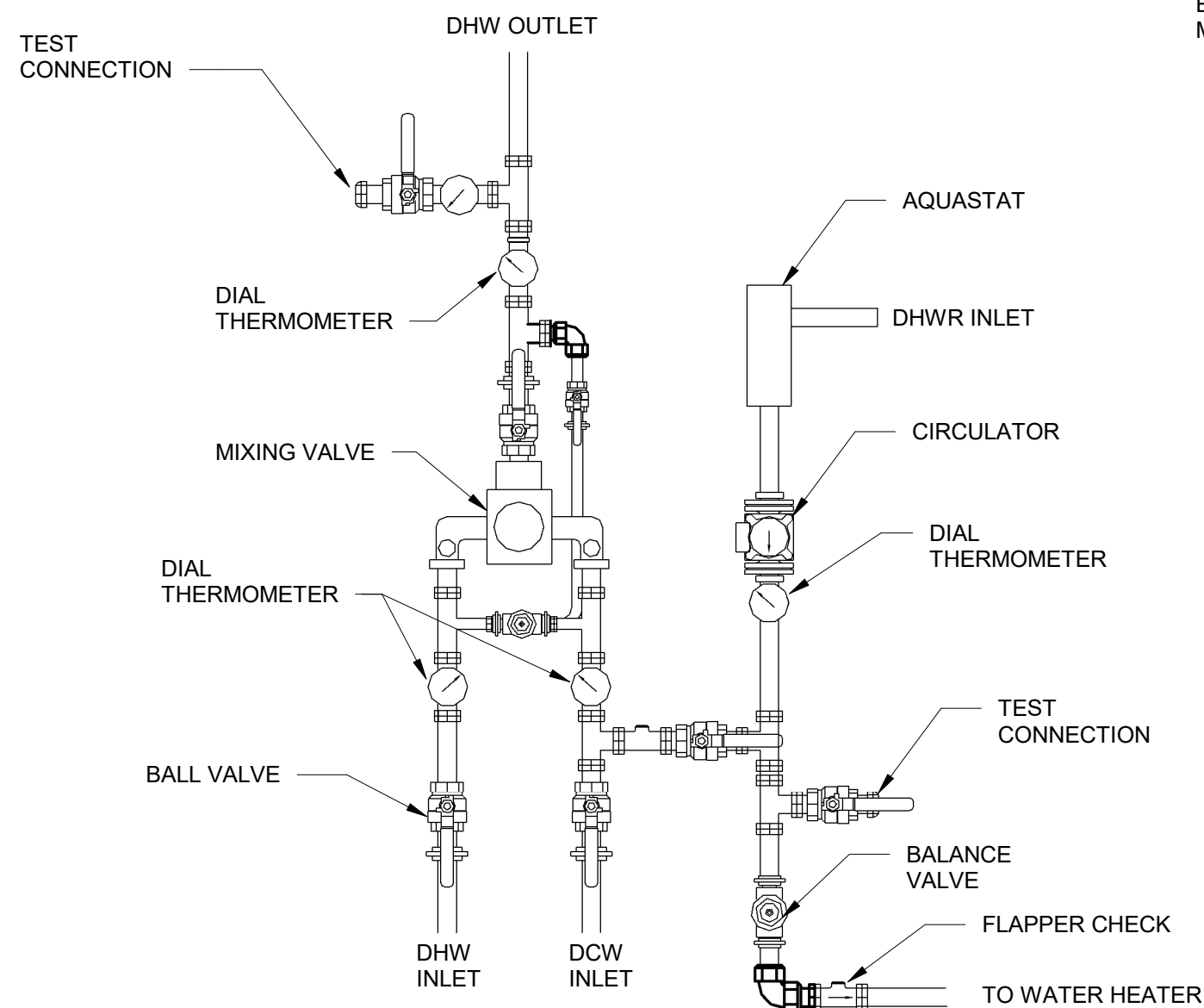
Storage Tank Schedule					
Unit Data			Performance Data		Schedule Notes
Tag	Location	Function	Tank Volume (gal)	Water Connection (in)	
ST1	Mechanical Room	Domestic Hot Water	200.0	2 1/2"	
ST2	Mechanical Room	Domestic Hot Water	200.0	2 1/2"	

Thermostatic Mixing Valve Schedule									
Unit Data			Performance Data				General Data		Schedule Notes
Tag	Location	Function	Min Flow (GPM)	Max Flow (GPM)	Flow (GPM)	WPD (PSI)	Inlet Size (in)	Outlet Size (in)	
TMV1	Mechanical Room	Hot Water Mixing	1	25	25	10.00	1"	1"	

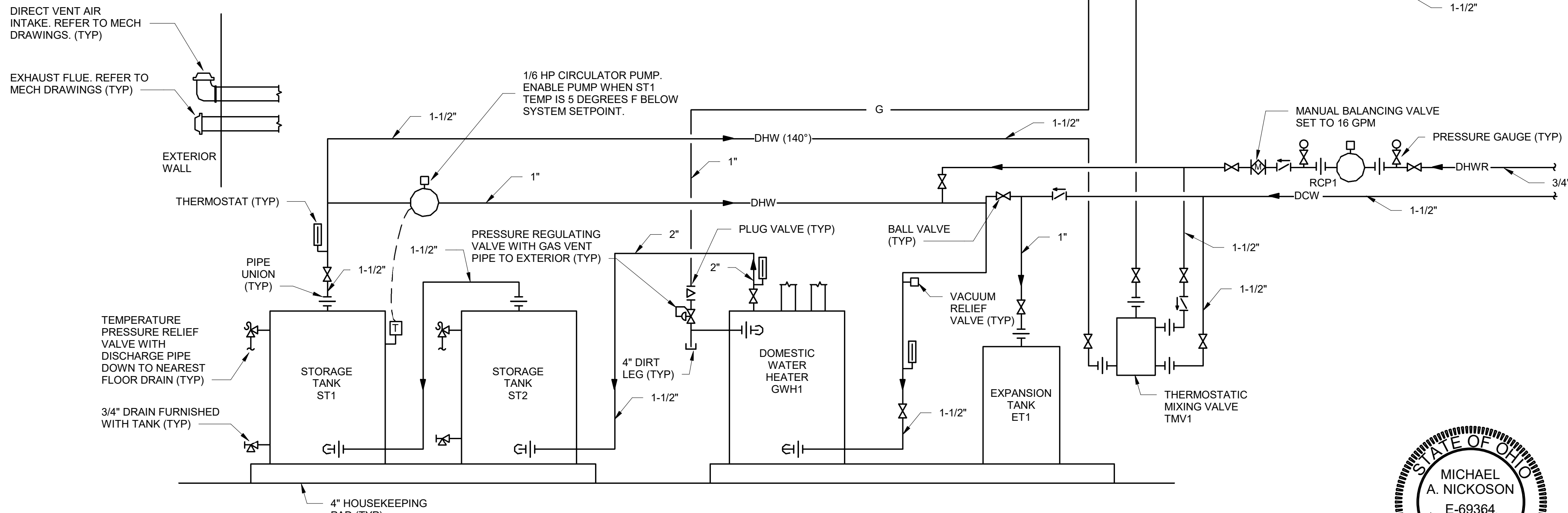


H6 HOT WATER RECIRCULATION PUMP
NTS

G2 — GA
NTS



B2



(B7)



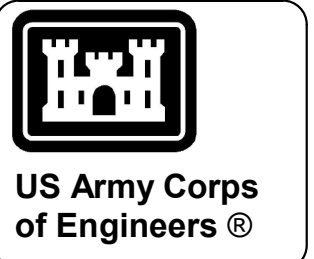
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of Engineers®**

[illegible]

US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY: M NICKSON	ISSUE DATE: MARCH 13, 2026
	DRAWN BY: T FRULK	SOLICITATION NO.:
CMTA-DLR GROUP	CHECKED BY: J WALDRON	CONTRACT NO.:
	SUBMITTED BY: M NICKSON	
	SIZE: ANSI D	

DSCC (DEFENSE SUPPLY CENTER)
DLA REPAIR BUILDING 27
CSC-24601 P2#: 519087

SHEET ID
P-501

[illegible][illegible]

US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY:	ISSUE DATE:	
	JE	MARCH 13, 2026	
	BH	SOLICITATION NO.:	
	NR	CONTRACT NO.:	
OMTA-DLR GROUP	NR	CHECKED BY:	
	AS	SUBMITTED BY:	
		DATE:	
		SIZE:	ANSI D

DSOC (DEFENSE SUPPLY CENTER)
DLA REPAIR BUILDING 27
CSC-24601 P2# 519087

GENERAL INFORMATION - ELECTRICAL

SHEET ID
BLDG 27
E-001

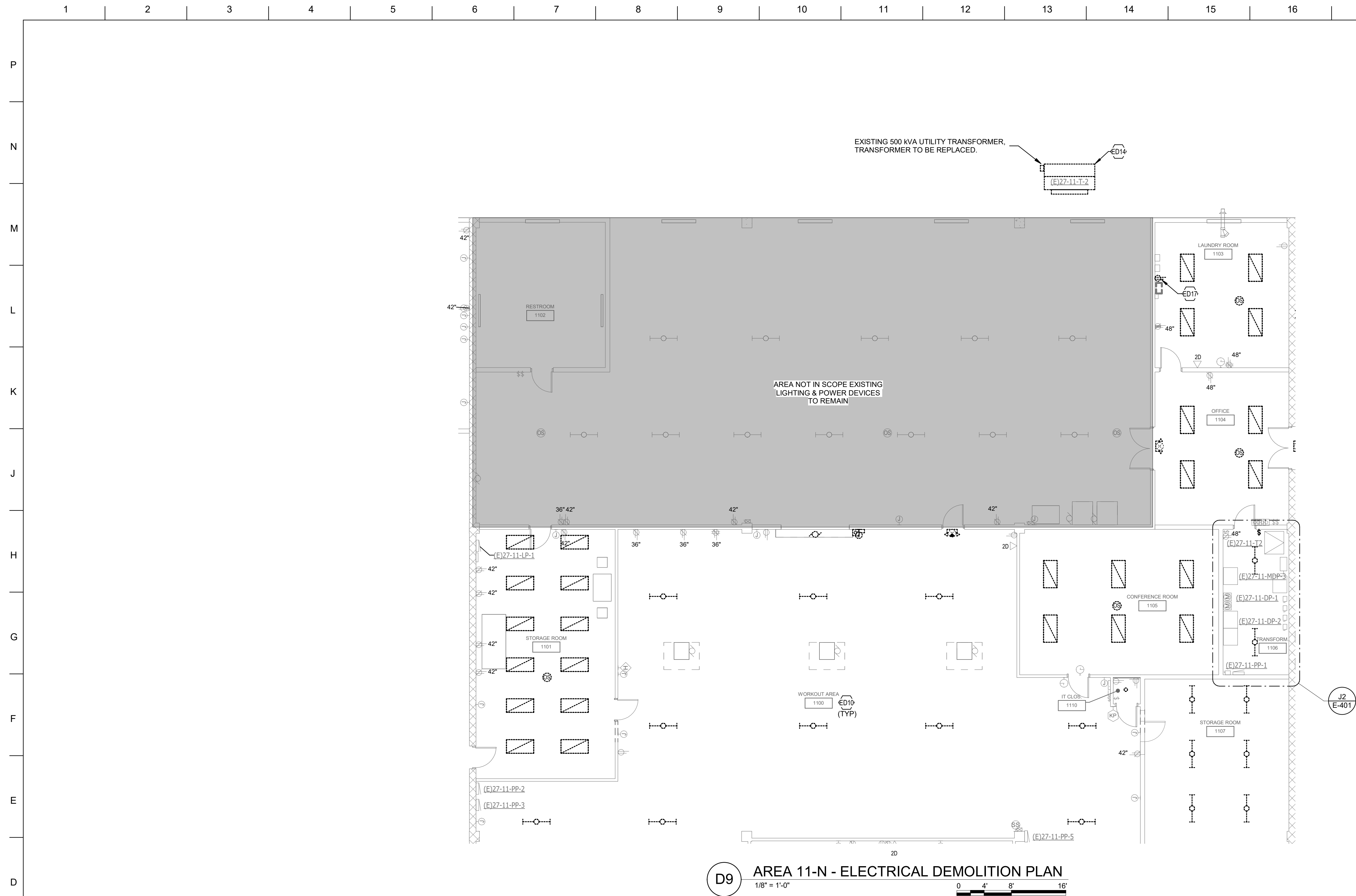
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03/13/2026

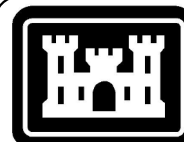


ELECTRICAL DEMOLITION NOTES:

- DOTTED LINES INDICATE ITEMS FOR REMOVAL (UON) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- B. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN WHEN DEMOLITION OF AN ELECTRICAL DEVICE OR CIRCUIT IS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE- DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORYES FOR ALL PANELS AFFECTED.
- C. LOCATION OF DEVICES OR EQUIPMENT NOT INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR WHICH THEY ARE PROPOSING.
- D. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW TYPEWRITTEN SEE ELECTRICAL SECTION 1.1).
- E. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- F. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- G. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
- H. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.
- I. UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.
- J. EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- K. CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS COVERED BY THESE DRAWINGS. DIRECTORIES SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- L. DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED, REMOVE, PROTECTED, AND REINSTALL AT NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW WORK LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES.
- M. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORYES AND INSERT SLEEVES. PANEL DIRECTORYES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORYING SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.

KEYNOTES

- | | |
|------|---|
| ED10 | DEMOLISH EXISTING BRANCH CIRCUIT FOR LIGHTING TO BE DEMOLISHED. EXISTING CONDUIT PATHWAYS TO BE REUSED WHERE POSSIBLE TO SERVE NEW LIGHTING IN THIS SPACE. |
| ED14 | DEMOLISH EXISTING PRIMARY AND SECONDARY CONDUCTORS SERVING UTILITY TRANSFORMER IN THIS LOCATION. REFER TO SINGLELINE FOR ADDITIONAL INFORMATION. |
| ED17 | EXISTING RECEPTACLE SERVING INSTANTANEOUS WATER HEATER TO BE REMOVED. MAINTAIN EXISTING BRANCH CIRCUIT TO SUPPORT NEW INSTANTANEOUS WATER HEATER. REFER TO NEW WORK PLAN FOR FURTHER INFORMATION. |



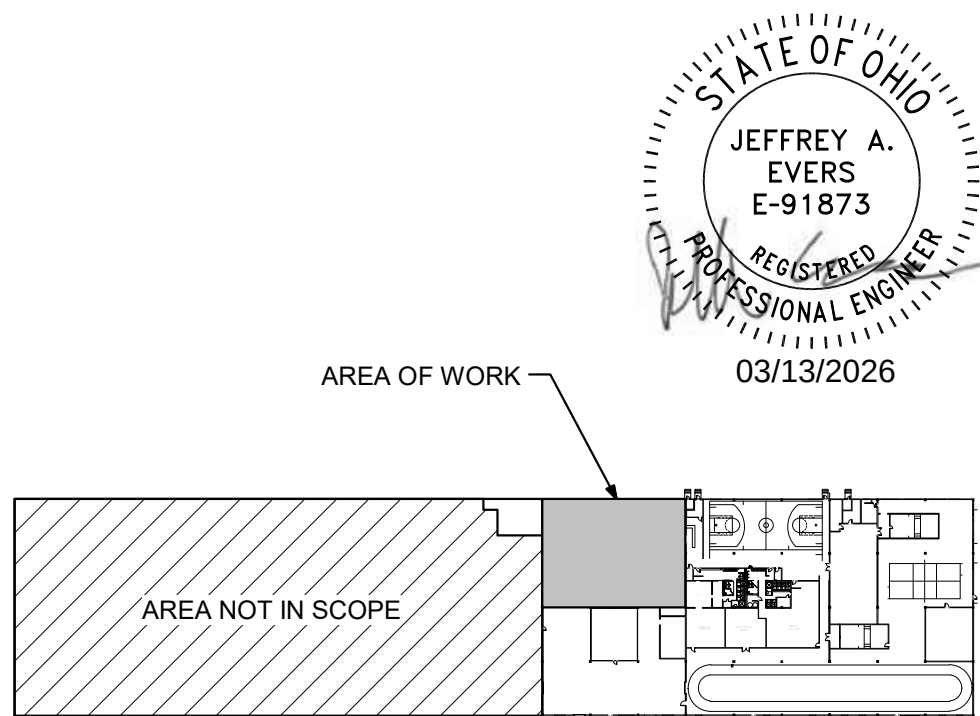
**US Army Corps
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US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY:	ISSUE DATE:
	DRAWN BY:	MARCH 13, 2026
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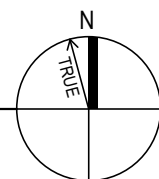
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DLA REPAIR BUILDING 27
CSC-24601 P2# 519087

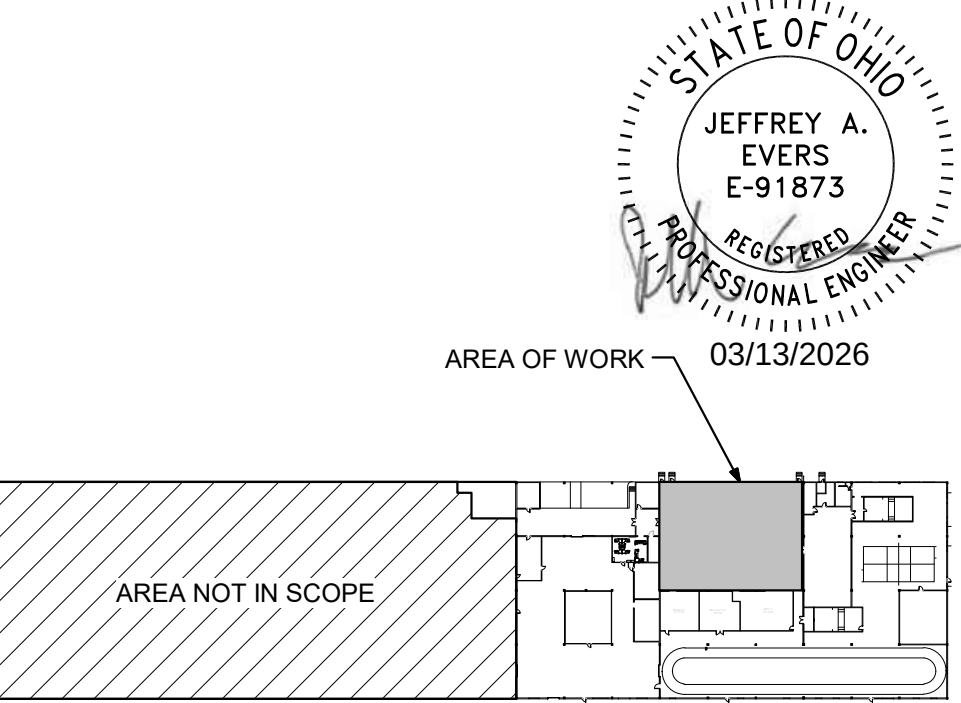
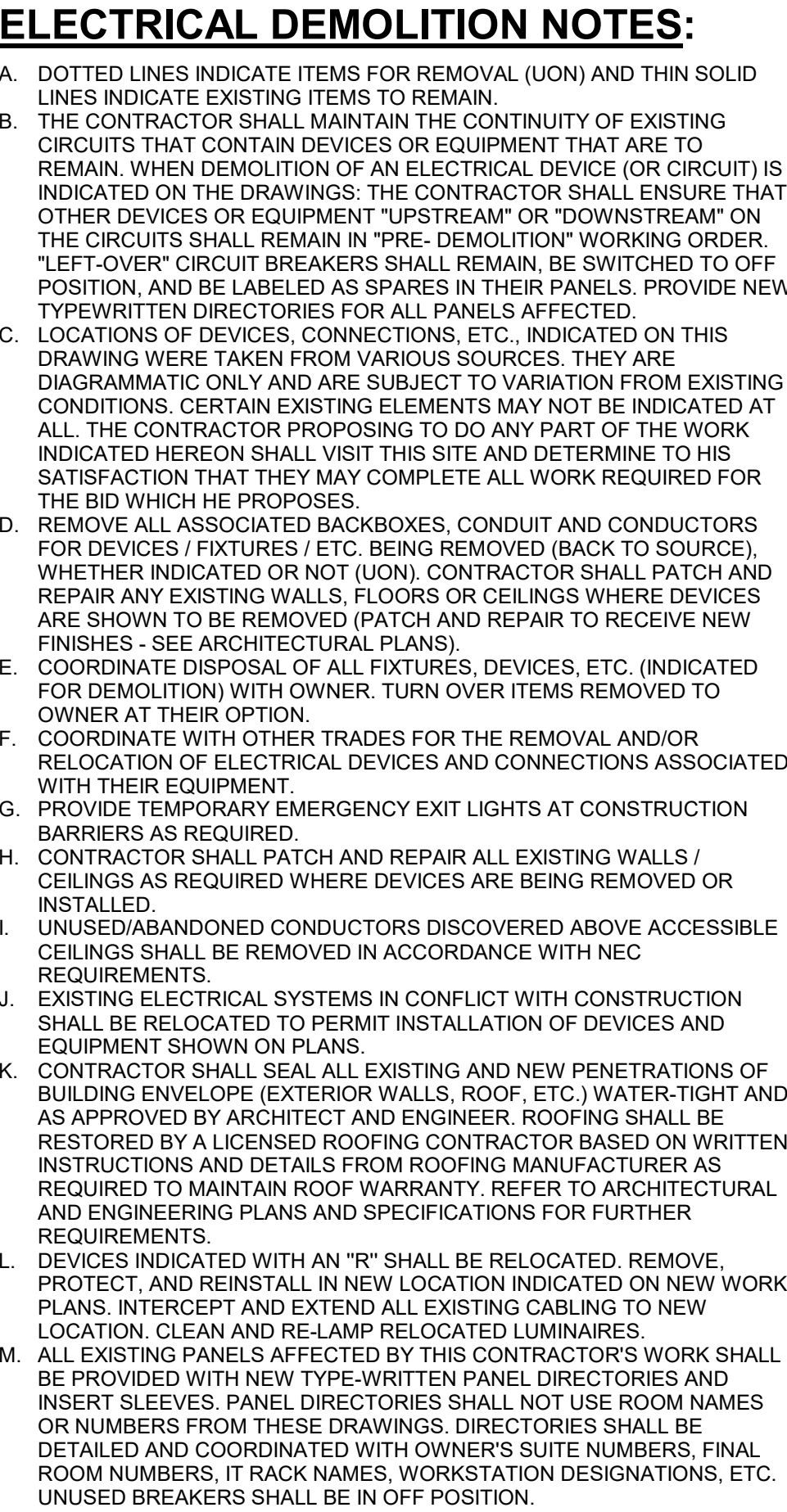
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KEYPLAN

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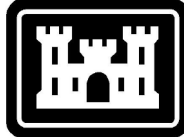
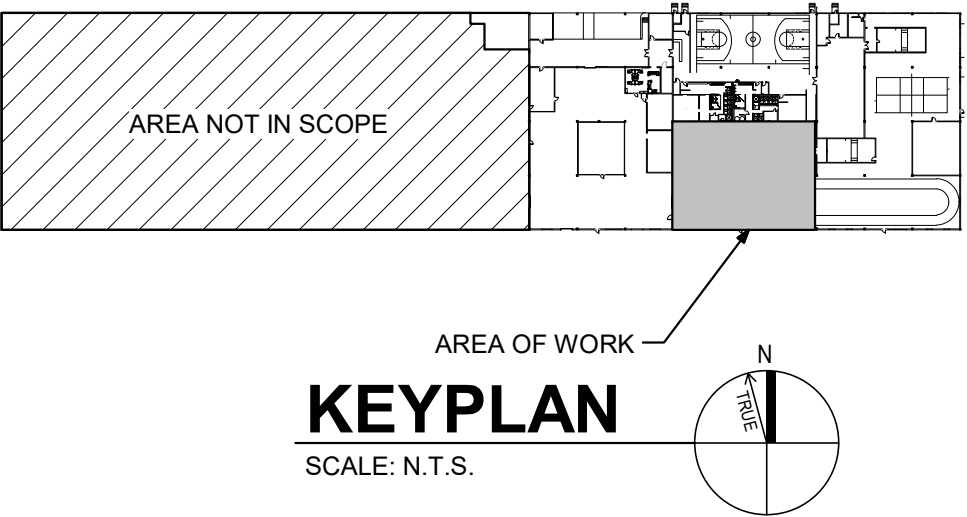


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ELECTRICAL DEMOLITION NOTES:

- DOTTED LINES INDICATE ITEMS FOR REMOVAL (UON) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- B. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS: THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE- DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS; PROVIDE NEW IDENTIFICATION ORIGIN FOR ALL PANELS AS REQUIRED.
- C. LOCATIONS OF DEVICES, CONNECTIONS, ETC. INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGNOSTIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT IT IS COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
- D. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE); WHETHER INDICATED OR NOT (UON). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED; PATCH AND REPAIR TO RECEIVE NEW FIXTURES. (SEE ARCHITECTURAL PLANS)
- E. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- F. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THE REMOVAL OF EQUIPMENT.
- G. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
- H. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.
- I. UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.
- J. EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- K. CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (ROOF, WALLS, FLOORS, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- L. DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED, REMOVE, PROTECT, AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES.
- M. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERTS. LEAVES, PANEL DIRECTORIES SHALL NOT BE. ROOM NAMES OF ALL PANELS FROM THE NEW DRAWING SHALL BE PROVIDED IN DETAIL AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.

KEYNOTES		#
E5	REMOVE AND EXTEND EXISTING LIGHTNING PROTECTION SYSTEM DOWNLEADS AND GROUND RODS IN THIS AREA AS REQUIRED TO ACCOMMODATE INSTALLATION OF EFIS ON BUILDING EXTERIOR.	
ED10	DEMOLISH EXISTING BRANCH CIRCUIT FOR LIGHTING TO BE DEMOLISHED. EXISTING CONDUIT PATHWAYS TO BE REUSED WHERE POSSIBLE TO SERVE NEW LIGHTING IN THIS SPACE.	
ED13	EXISTING LOAD CENTER IN THIS LOCATION TO REMAIN. TEMPORARILY SUPPORT DURING CONSTRUCTION AND REINSTALL ON NEW WALL IN THIS LOCATION.	



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	DRAWN BY: BH	
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DSCC DEFENSE SUPPLY CENTER)
DLA REPAIR BUILDING 27
CSC-24601 P2# 519087

SHEET ID
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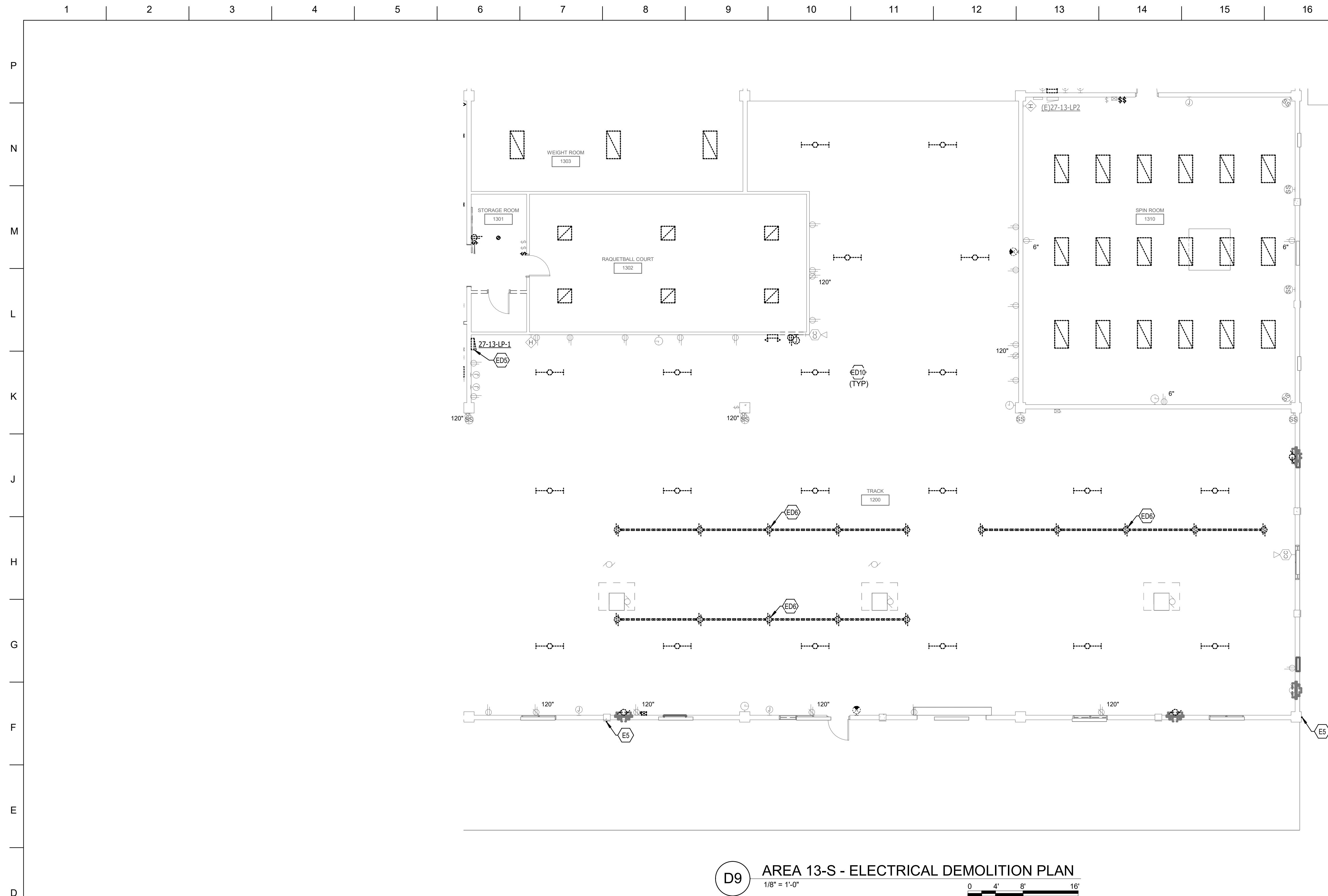
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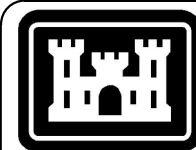
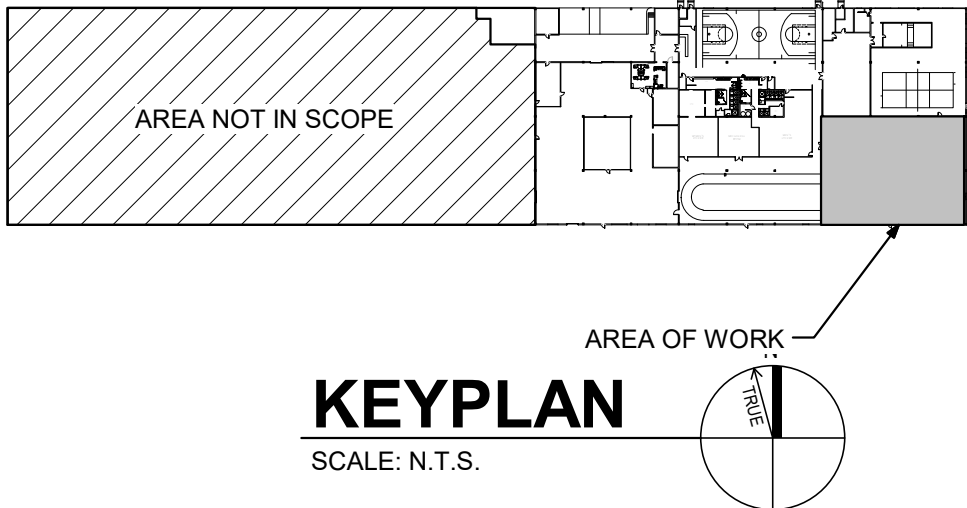
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- C. LOCATIONS OF DEVICES, CONNECTIONS, ETC. INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGNOSTIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT IT IS COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
- D. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE); WHETHER INDICATED OR NOT (UON). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED. PATCH AND REPAIR TO RECEIVE NEW FIXTURES. (SEE ARCHITECTURAL PLANS)
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- J. EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
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- L. DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED, REMOVE, PROTECT, AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLE TO NEW LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES.
- M. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERTS. LEAVES, PANEL DIRECTORIES SHALL NOT BE. ROOM NAMES OF ALL PANELS FROM THE NEW DRAWING OR DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.

KEYNOTES		#
E5	REMOVE AND EXTEND EXISTING LIGHTNING PROTECTION SYSTEM DOWNLEADS AND GROUND RODS IN THIS AREA AS REQUIRED TO ACCOMMODATE INSTALLATION OF EFIS ON BUILDING EXTERIOR.	
ED5	DEMOLISH EXISTING PANEL BOARD 27-13-LP-1 AND REPLACE WITH NEW 54 POLE PANELBOARD. REFER TO NEW WORK PLANS AND PANELBOARD SCHEDULES.	
ED6	DEMOLISH EXISTING CEILING MOUNTED RECEPTACLES AND CONDUIT IN THIS LOCATION.	
ED10	DEMOLISH EXISTING BRANCH CIRCUIT FOR LIGHTING TO BE DEMOLISHED. EXISTING CONDUIT PATHWAYS TO BE REUSED WHERE POSSIBLE TO SERVE NEW LIGHTING IN THIS SPACE.	



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CSC-24601 P24: 519087

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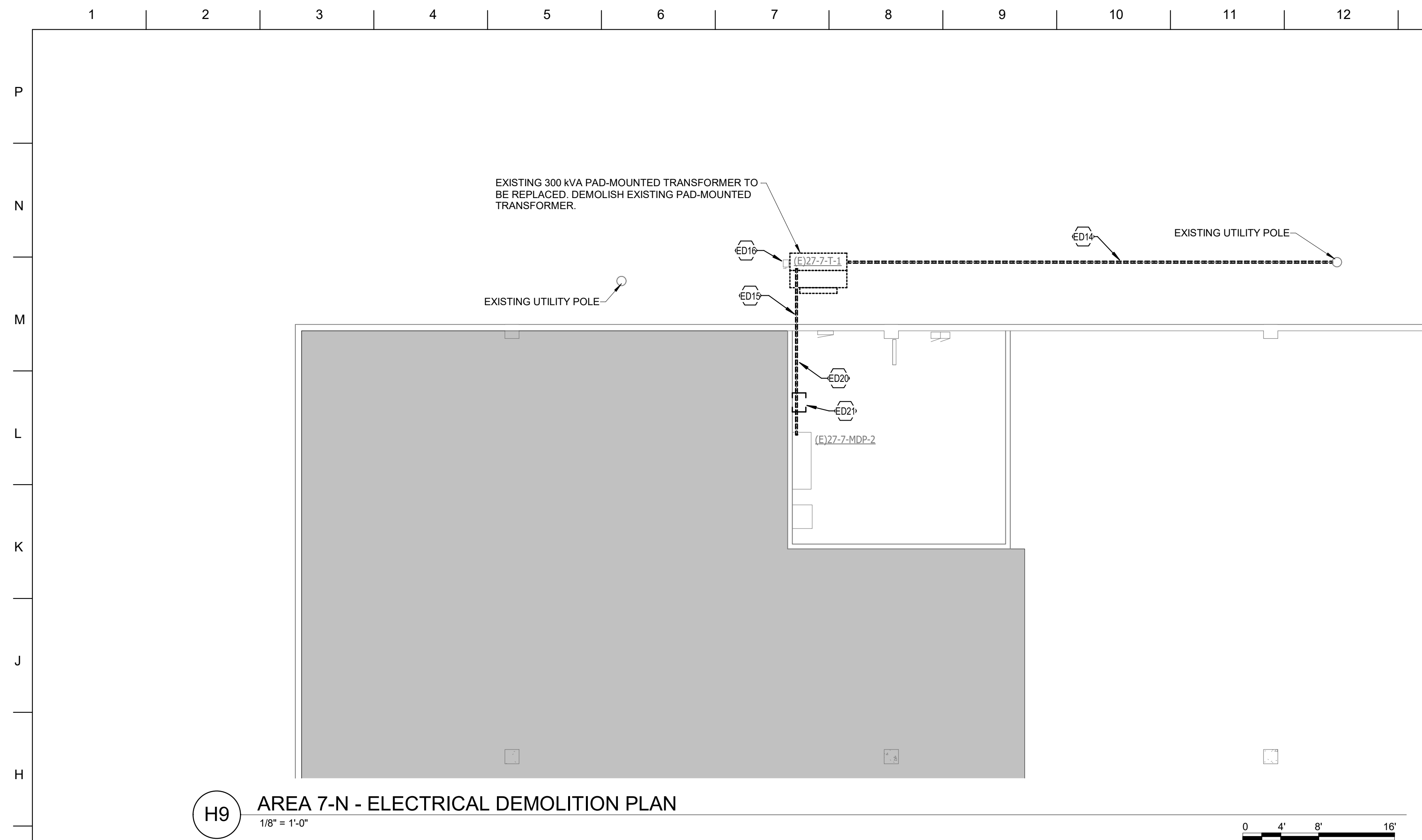
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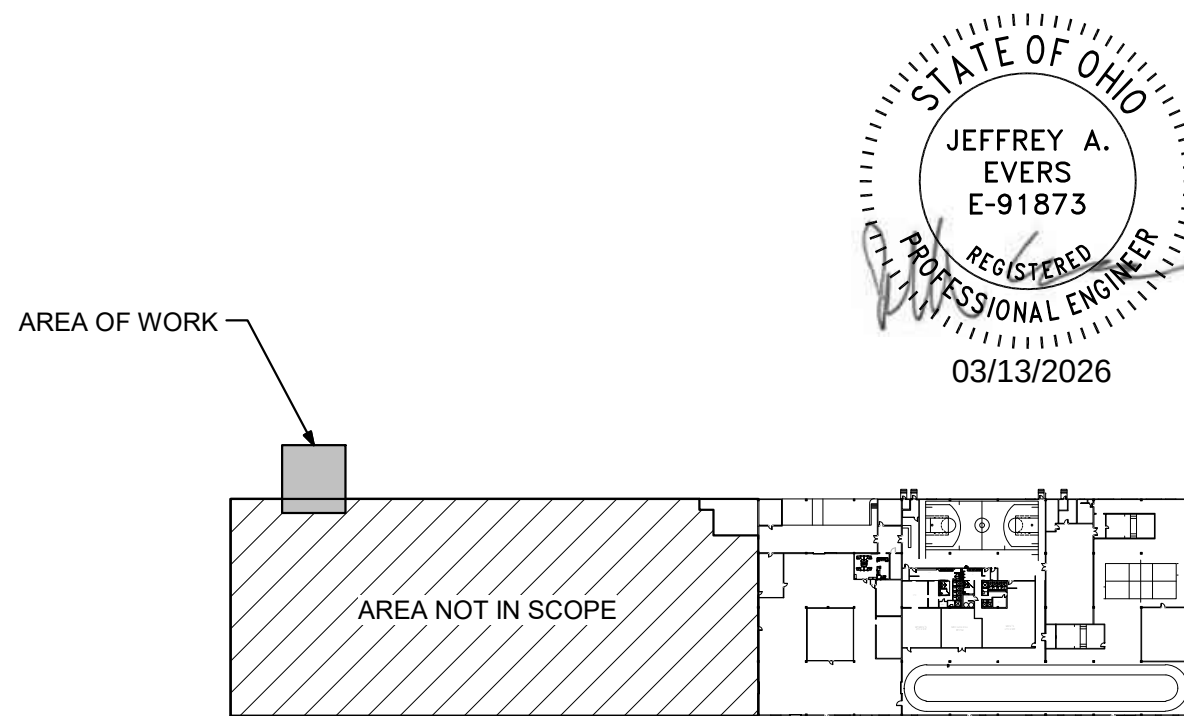
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- C. LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM HOUSE WIRING DIAGRAMS. SEE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE PROJECT WHICH HE PROPOSES.
- D. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
- E. CONDUCTORS TO BE REMOVED FOR DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- F. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- G. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
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- M. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.

KEYNOTES		#
ED14	DEMOLISH EXISTING PRIMARY AND SECONDARY CONDUCTORS SERVING UTILITY TRANSFORMER IN THIS LOCATION. REFER TO SINGLELINE FOR ADDITIONAL INFORMATION.	
ED15	DEMOLISH EXISTING SECONDARY CONDUCTORS FROM PAD-MOUNT TRANSFORMER TO EXISTING SWITCHBOARD. MAINTAIN EXISTING CONDUIT PATHWAY FOR NEW CONDUCTORS.	
ED16	EXISTING DISCONNECT AND SPD MOUNTED ON UNISTRUT TO REMAIN.	
ED20	DEMOLISH EXISTING 3-4" CONDUITS AND PROVIDE NEW 90 DEGREE ELBOW DOWN INTO TOP OF 1200A DISCONNECT SWITCH.	
ED21	REWORK EXISTING BRANCH CIRCUIT SERVING INDOOR SPLIT SYSTEM WALL MOUNTED UNIT TO ACCOMMODATE 1200A DISCONNECT. REWORK EXISTING METER CABINET MOUNTED ADJACENT TO SWITCHBOARD.	



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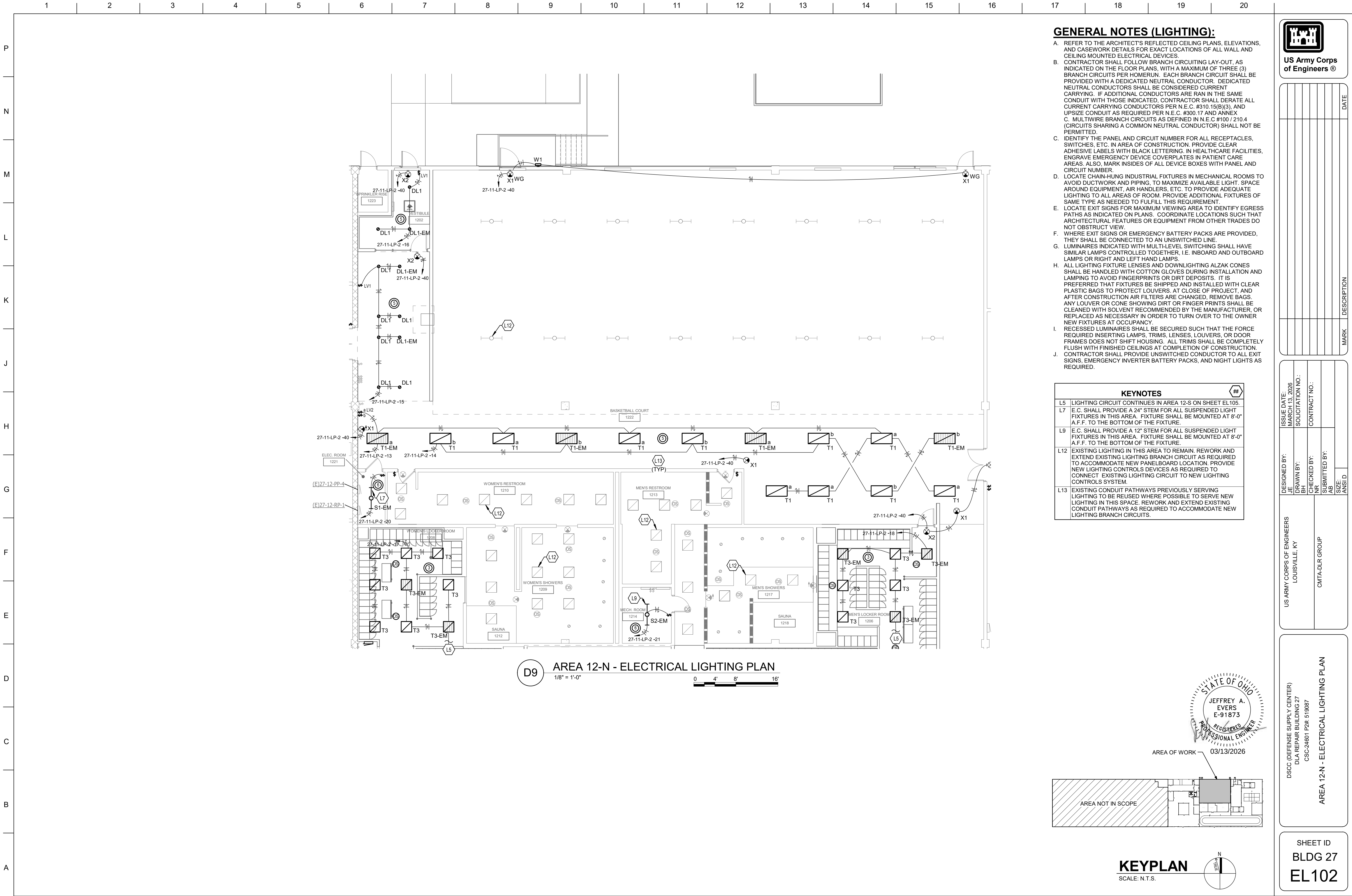
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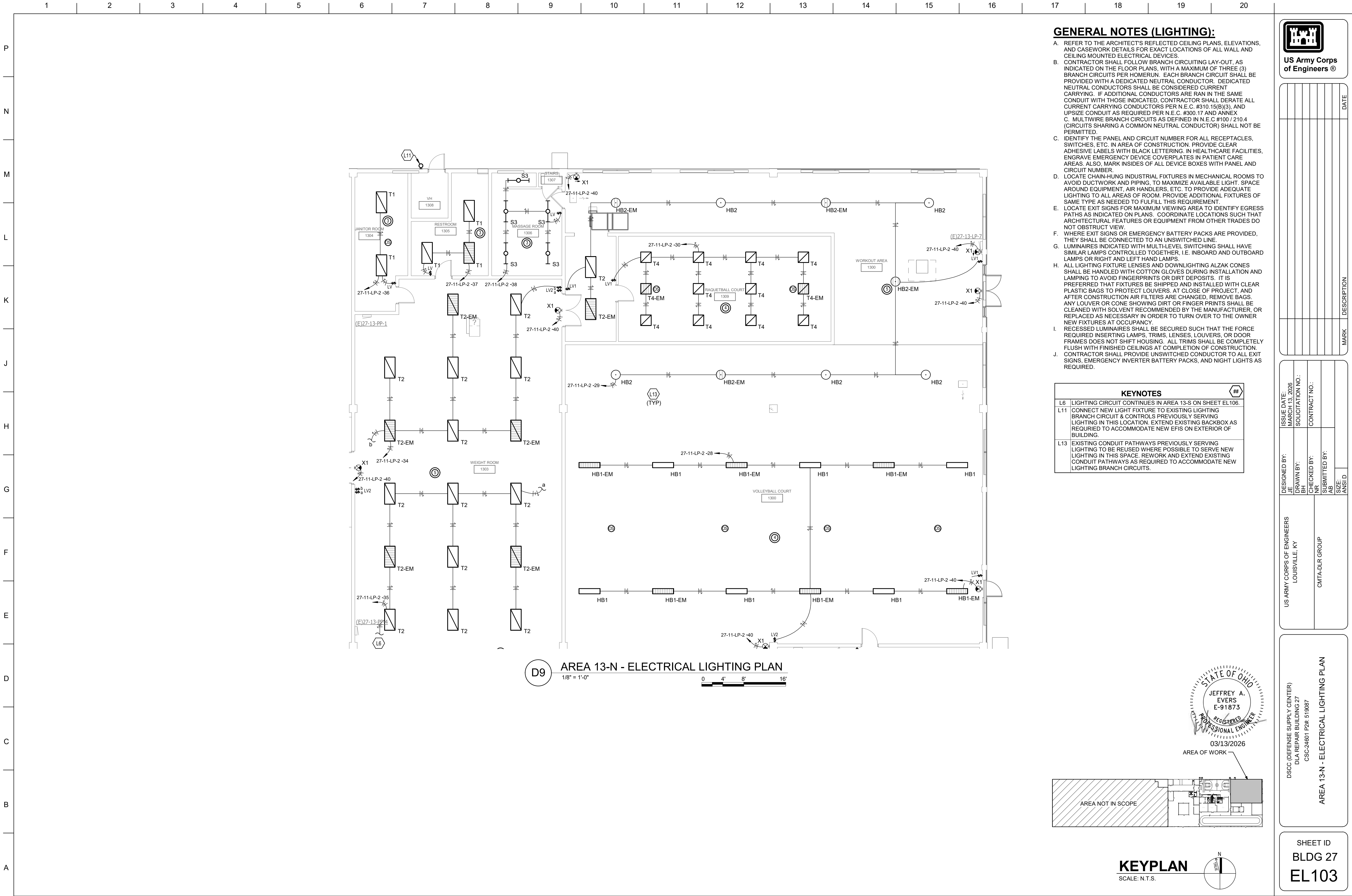
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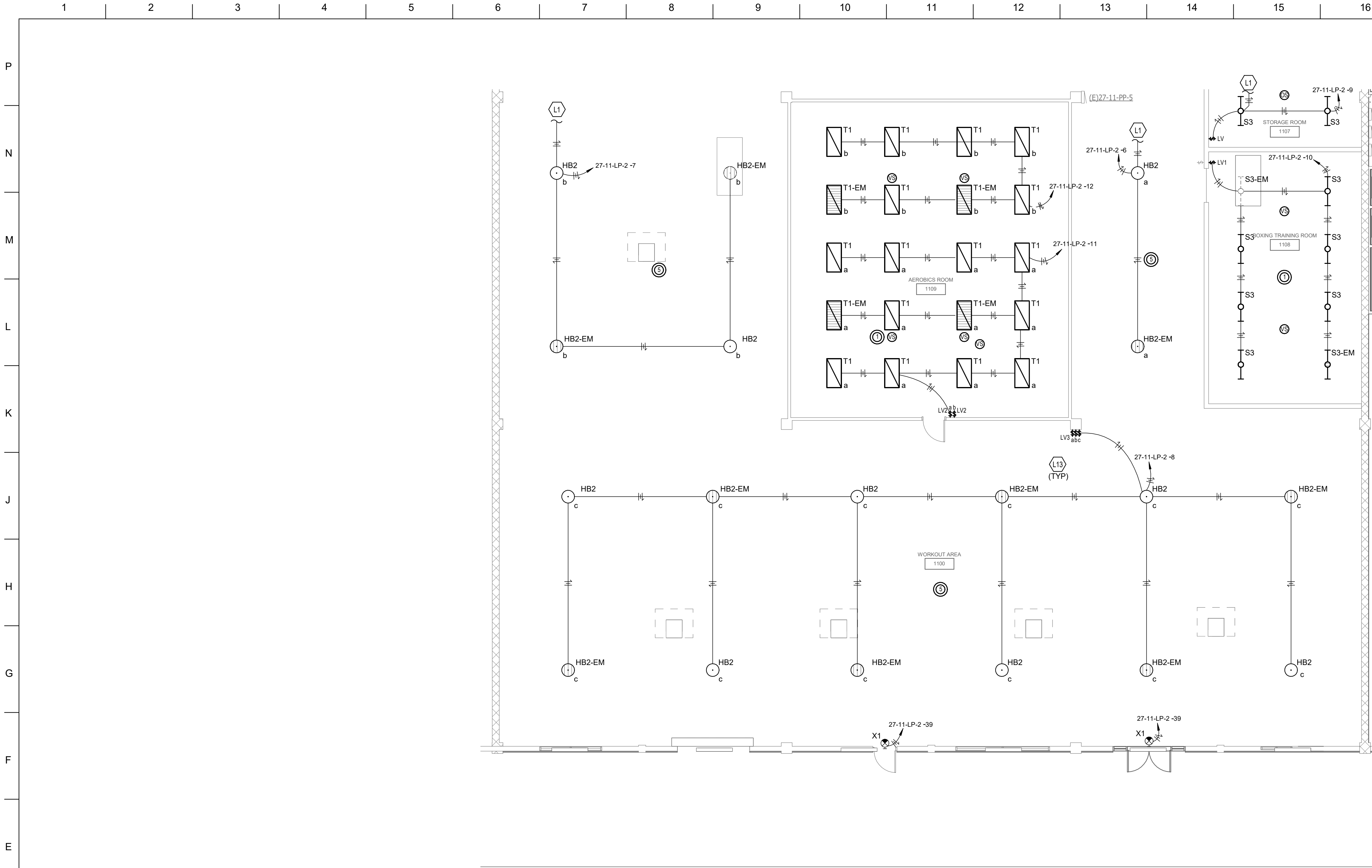
DSCC (DEFENSE SUPPLY CENTER)
DLA REPAIR BUILDING 27
CSC-24601 P2#: 519087

AREA 7-N - ELECTRICAL DEMOLITION PLAN

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ED107







D9 AREA 11-S - ELECTRICAL LIGHTING PLAN
1/8" = 1'-0"

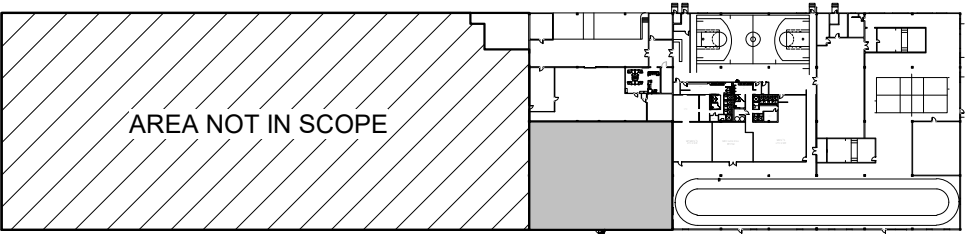


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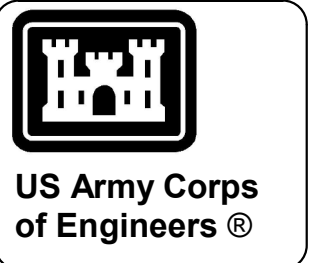
- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #900.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100.1210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING. TO MAXIMIZE AVAILABLE LIGHT. SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
- LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
- WHERE EXIT SIGNS OR EMERGENCY BATTERY PACKS ARE PROVIDED, THEY SHALL BE CONNECTED TO AN UNSWITCHED LINE.
- LUMINAIRES INDICATED WITH MULTI-LEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
- ALL LIGHTING FIXTURE LENSES AND DOWNLIGHTING ALZAK CONES SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
- RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

KEYNOTES

- | | # |
|-----|---|
| L1 | LIGHTING CIRCUIT CONTINUES IN AREA 11-N ON SHEET EL101. |
| L13 | EXISTING CONDUIT PATHWAYS PREVIOUSLY SERVING LIGHTING TO BE REUSED WHERE POSSIBLE TO SERVE NEW LIGHTING IN THIS SPACE. REWORK AND EXTEND EXISTING CONDUIT PATHWAYS AS REQUIRED TO ACCOMMODATE NEW LIGHTING BRANCH CIRCUITS. |



KEYPLAN
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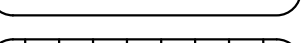
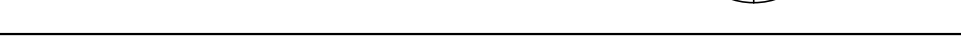
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DSCC (DEFENSE SUPPLY CENTER) DLA REPAIR BUILDING 27 CSC-24601 P2# 519087	AREA 11-S - ELECTRICAL LIGHTING PLAN
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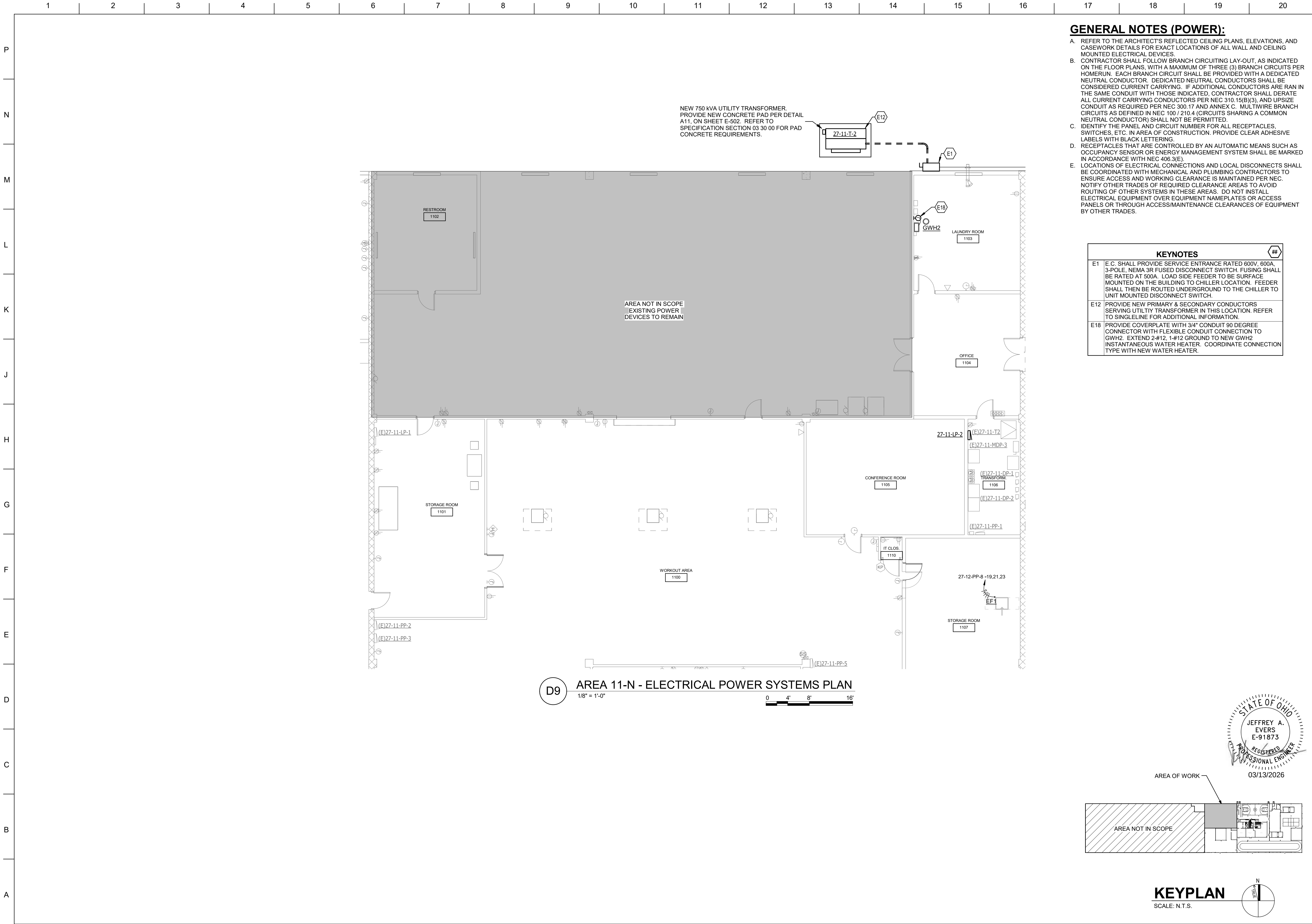
- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
3. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEPENDENT CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
4. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTABLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
5. LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID PIPING AND DRAINAGE. TO MAXIMIZE AVAILABLE LIGHT, SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
6. LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
7. IF EXIT SIGN OR EMERGENCY BATTERY PACKS ARE PROVIDED, THEY SHALL BE CONNECTED TO AN UNSWITCHED LINE.
8. LUMINAIRES INDICATED WITH MULTI-LEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
9. ALL LIGHTING FIXTURE LENSES AND DOWNLIGHTING ALZAK CONES SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SHIP AND INSTALL WITH CLEAR PLASTIC BAGS TO PROTECT GLASS LENSES AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS, ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
10. RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED TO REMOVE LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR COVERS IS NOT EXCESSIVE. ALL LUMINAIRES SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION.
11. CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.



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BY:	SOLICITATION NO.:
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DSCC (DEFENSE SUPPLY CENTER)
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CSC-24601 P2#: 519087

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GENERAL NOTES (POWER):

- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRED BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING.
- D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

KEYNOTES		#
E1	E.C. SHALL PROVIDE SERVICE ENTRANCE RATED 600V, 600A, 3-POLE, NEMA 3R FUSED DISCONNECT SWITCH. FUSING SHALL BE RATED AT 500A. LOAD SIDE FEEDER TO BE SURFACE MOUNTED ON THE BUILDING TO CHILLER LOCATION. FEEDER SHALL THEN BE ROUTED UNDERGROUND TO THE CHILLER TO UNIT MOUNTED DISCONNECT SWITCH.	
E12	PROVIDE NEW PRIMARY & SECONDARY CONDUCTORS SERVING UTILITY TRANSFORMER IN THIS LOCATION. REFER TO SINGLELINE FOR ADDITIONAL INFORMATION.	
E18	PROVIDE COVERPLATE WITH 3/4" CONDUIT 90 DEGREE CONNECTOR WITH FLEXIBLE CONDUIT CONNECTION TO GWH2. EXTEND 2-#12, 1-#12 GROUND TO NEW GWH2 INSTANTANEOUS WATER HEATER. COORDINATE CONNECTION TYPE WITH NEW WATER HEATER.	



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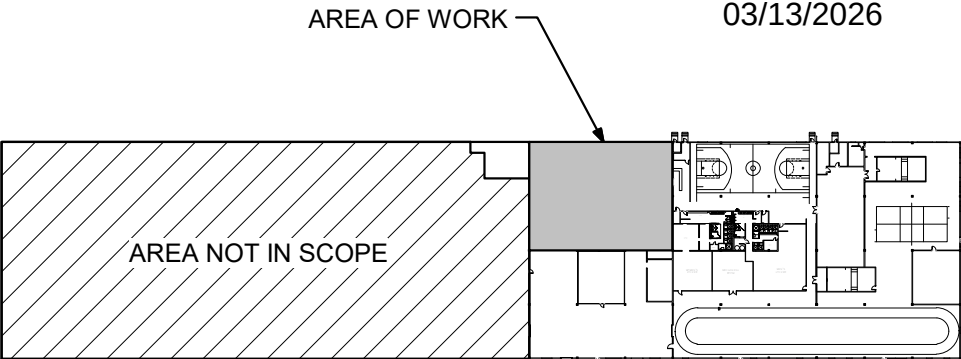
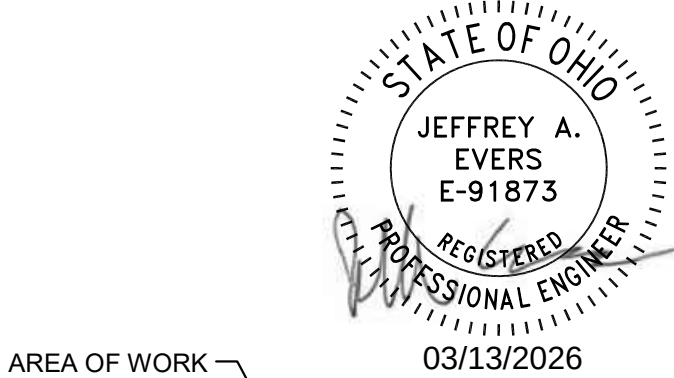
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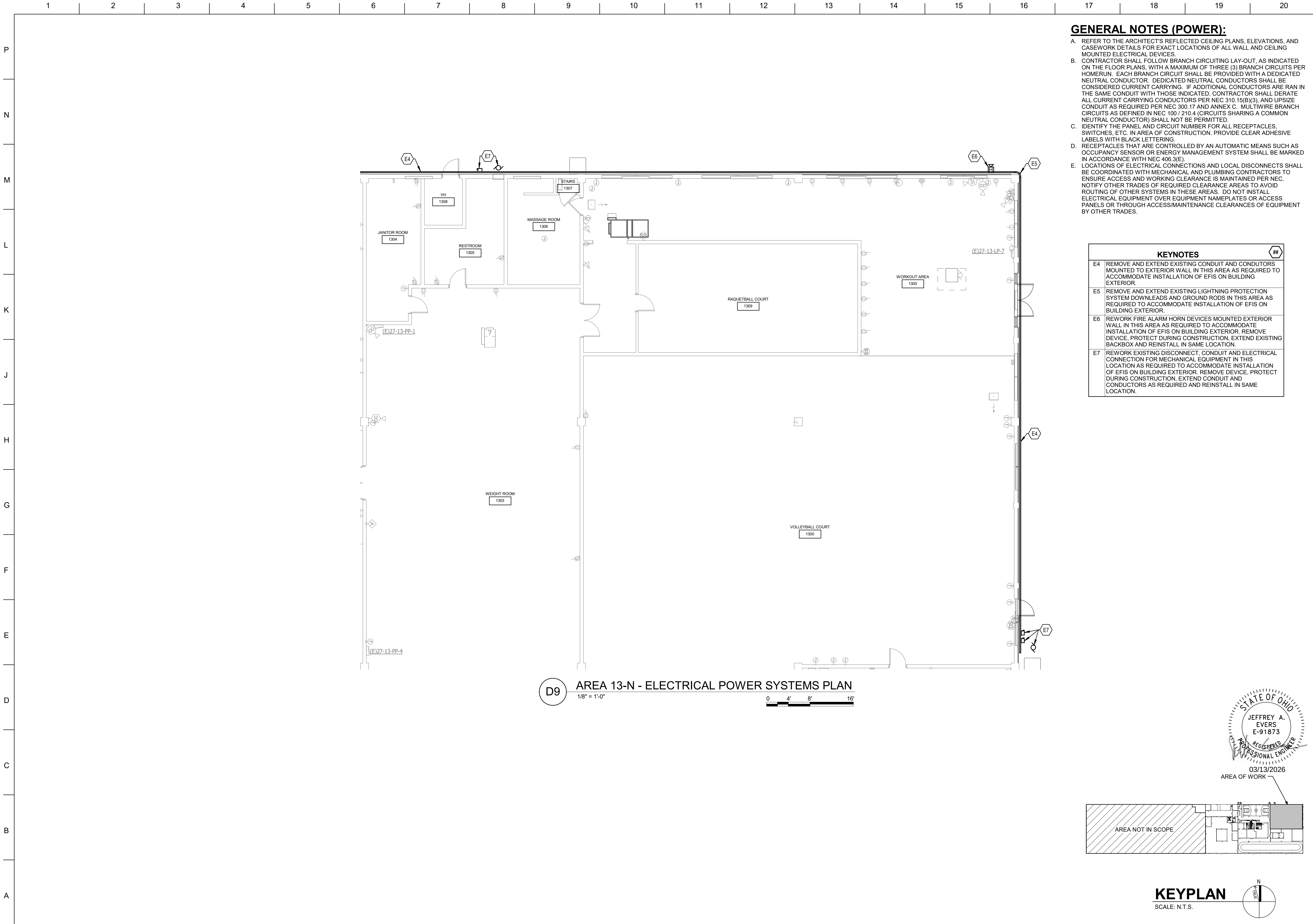
US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	CMTA-DLE GROUP
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DSCC (DEFENSE SUPPLY CENTER)
DLA REPAIR BUILDING 27
CSC-24601 P2# 519087

AREA 11-N - ELECTRICAL POWER SYSTEMS PLAN

SHEET ID
BLDG 27
EP201

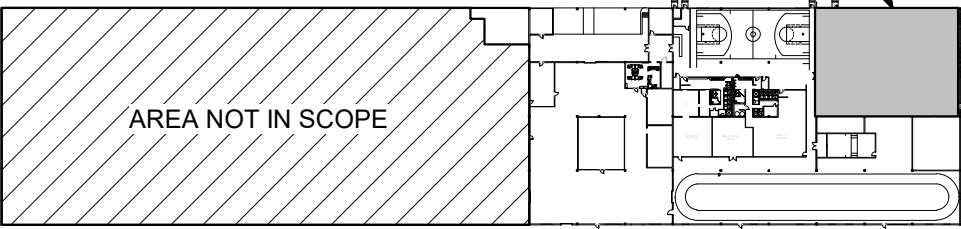




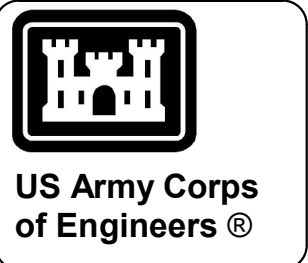
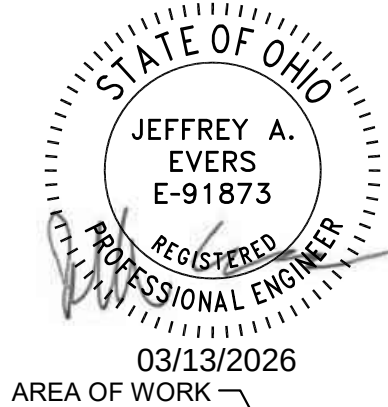
GENERAL NOTES (POWER):

- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRED BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING.
- D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

KEYNOTES		#
E4	REMOVE AND EXTEND EXISTING CONDUIT AND CONDUTORS MOUNTED TO EXTERIOR WALL IN THIS AREA AS REQUIRED TO ACCOMMODATE INSTALLATION OF EFIS ON BUILDING EXTERIOR.	
E5	REMOVE AND EXTEND EXISTING LIGHTNING PROTECTION SYSTEM DOWNLEADS AND GROUND RODS IN THIS AREA AS REQUIRED TO ACCOMMODATE INSTALLATION OF EFIS ON BUILDING EXTERIOR.	
E6	REWORK FIRE ALARM HORN DEVICES MOUNTED EXTERIOR WALL IN THIS AREA AS REQUIRED TO ACCOMMODATE INSTALLATION OF EFIS ON BUILDING EXTERIOR. REMOVE DEVICE. PROTECT DURING CONSTRUCTION, EXTEND EXISTING BACKBOX AND REINSTALL IN SAME LOCATION.	
E7	REWORK EXISTING DISCONNECT, CONDUIT AND ELECTRICAL CONNECTION FOR MECHANICAL EQUIPMENT IN THIS LOCATION AS REQUIRED TO ACCOMMODATE INSTALLATION OF EFIS ON BUILDING EXTERIOR. REMOVE DEVICE, PROTECT DURING CONSTRUCTION, EXTEND CONDUIT AND CONDUCTORS AS REQUIRED AND REINSTALL IN SAME LOCATION.	



KEYPLAN
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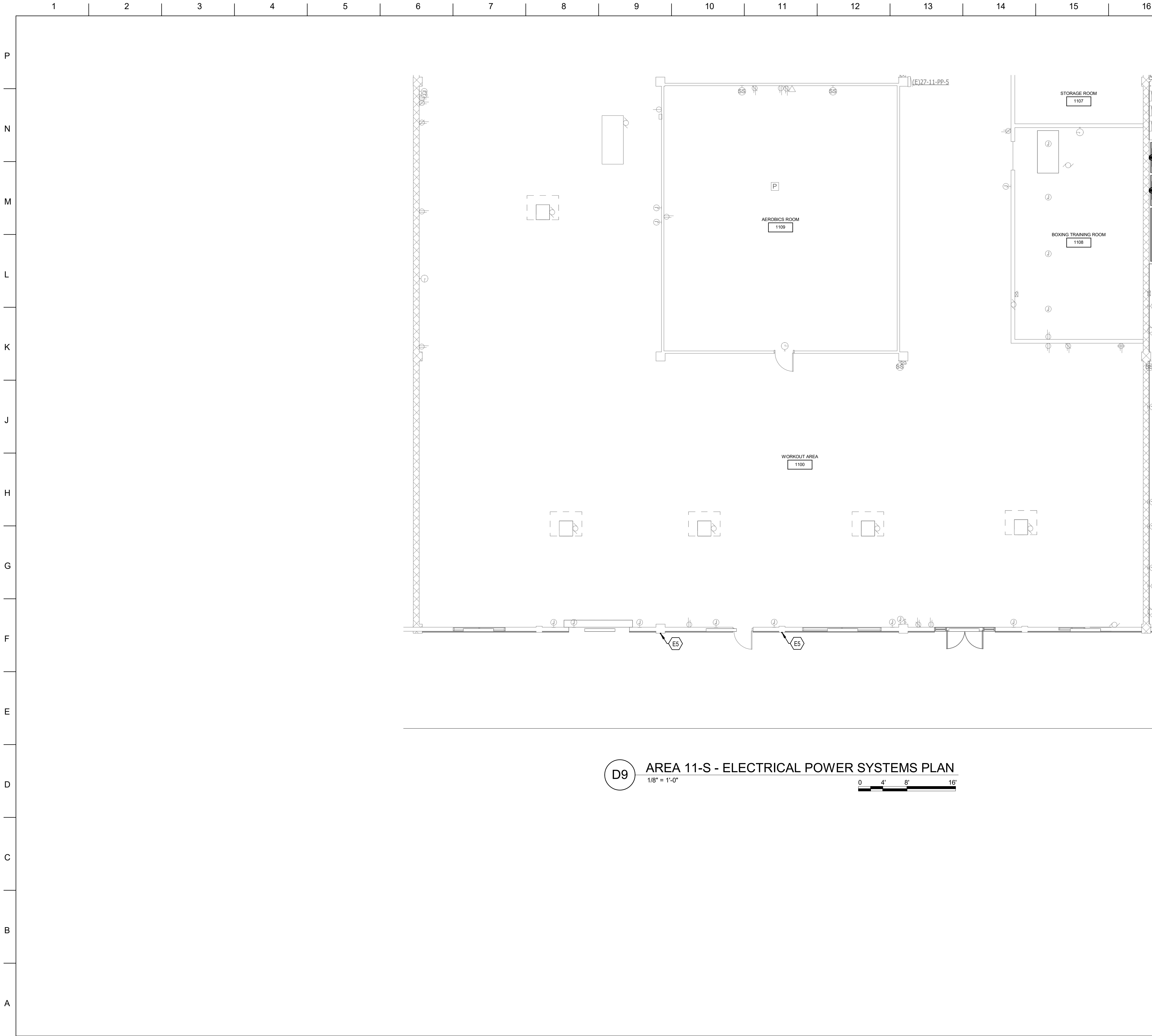
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US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	
CMTA-DLF GROUP	

DSCC (DEFENSE SUPPLY CENTER)
DLA REPAIR BUILDING 27
CSC-24601 P2# 519087

AREA 13-N - ELECTRICAL POWER SYSTEMS PLAN

SHEET ID
BLDG 27
EP203

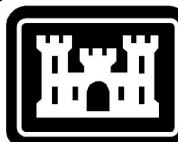


GENERAL NOTES (POWER):

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KEYNOTES

E5 REMOVE AND EXTEND EXISTING LIGHTNING PROTECTION SYSTEM DOWNLOADS AND GROUND RODS IN THIS AREA AS REQUIRED TO ACCOMMODATE INSTALLATION OF EFIS ON BUILDING EXTERIOR.



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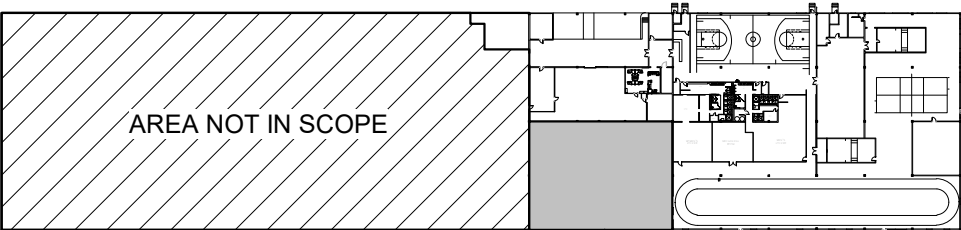
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US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	
CMTA-DLF GROUP	

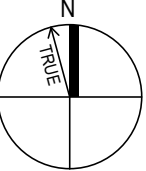
DSCC (DEFENSE SUPPLY CENTER)
DLA REPAIR BUILDING 27
CSC-24601 P2#-519087

AREA 11-S - ELECTRICAL POWER SYSTEMS PLAN

SHEET ID
BLDG 27
EP204



AREA OF WORK
KEYPLAN
SCALE: N.T.S.





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A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.

B. CIRCUIT BREAKER PANELS SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT OR RACEWAY WITH THE DEDICATED NEUTRAL CONDUCTOR, ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.

C. IDEAL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION, PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING.

D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 408.3(E).

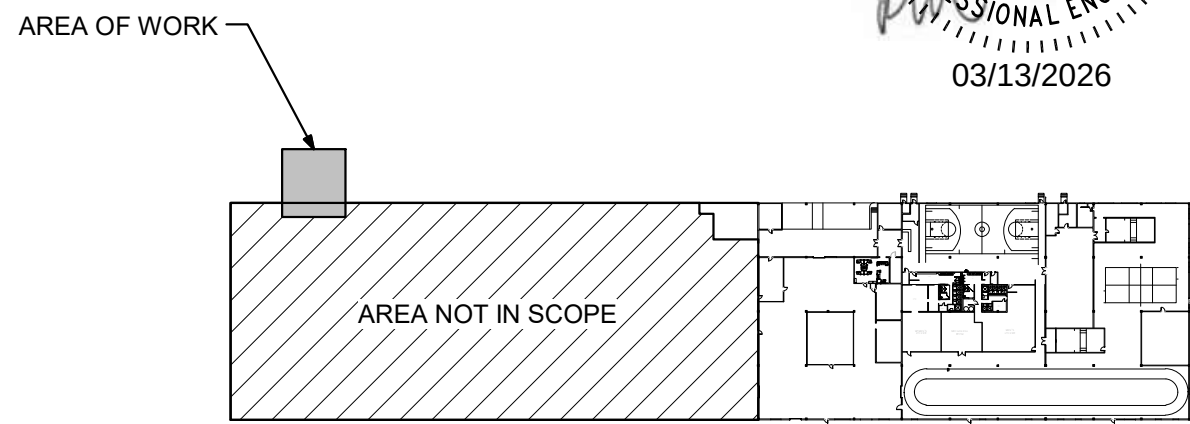
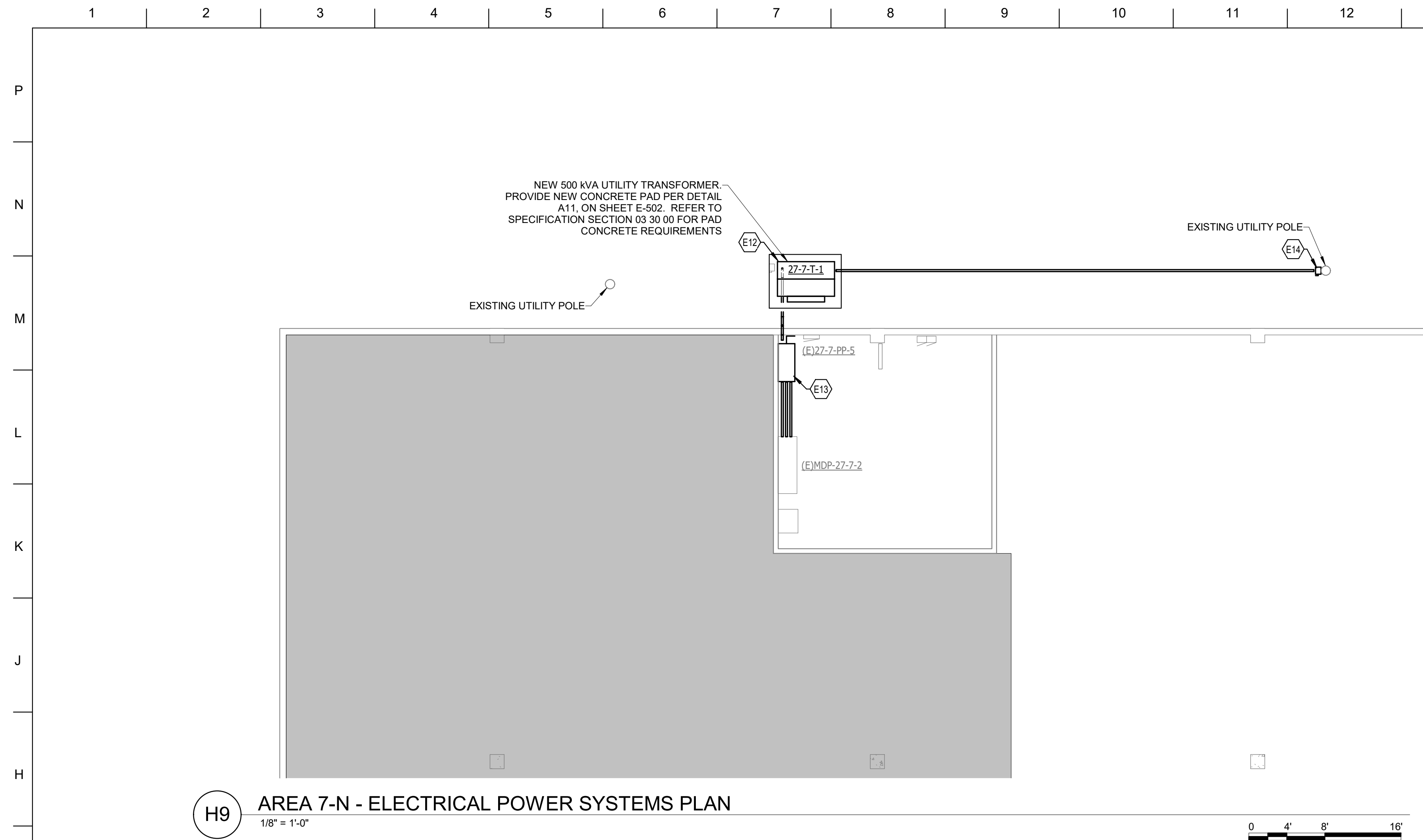
E. COORDINATION OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

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CSC-24601 P2#: 519087

SHEET ID
BLDG 27
EP207



GENERAL NOTES (POWER):

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- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING.
- D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- E. ALL ELECTRICAL CONDUIT, PENETRATIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER ANY EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

KEYNOTES		##
E12	PROVIDE NEW PRIMARY & SECONDARY CONDUCTORS SERVING UTILITY TRANSFORMER IN THIS LOCATION. REFER TO SINGLELINE FOR ADDITIONAL INFORMATION.	
E13	E-3. SHALL PROVIDE SERVICE ENTRANCE RATED 600V, 1200A, 3-P.OLE, NEMA 1 FUSED DISCONNECT SWITCH. FUSING SHALL BE RATED AT 1100A. REWORK EXISTING CABLE TRAY AND CONDUIT IN THIS LOCATION AS REQUIRED TO ACCOMMODATE NEW DISCONNECT.	
E14	PROVIDE NEW MEDIUM VOLTAGE INTERRUPTER SWITCH AT UTILITY POLE FOR UTILITY PRIMARY CONDUCTORS.	



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CSC-24601 P2# 519087

SHEET ID
BLDG 27
EP208

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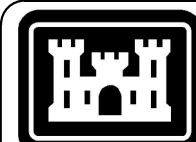
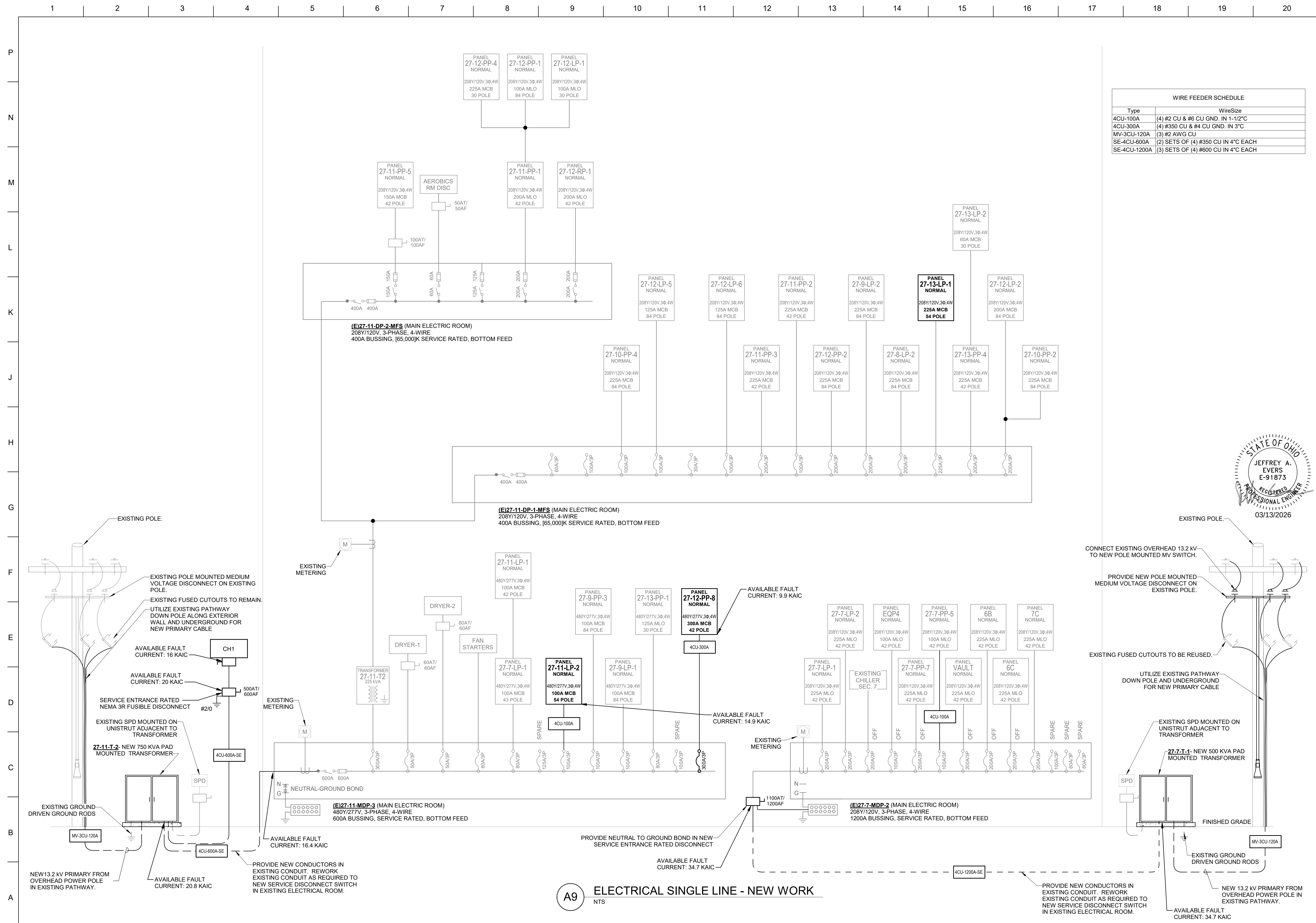
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WIRE FEEDER SCHEDULE	
Type	WireSize
4CU-100A	(4) #2 CU & #6 CU GND. IN 1-1/2"
4CU-300A	(4) #350 CU & #4 CU GND. IN 3"
MV-3CU-120A	(3) #2 AWG CU
SE-4CU-600A	(2) SETS OF (4) #350 CU IN 4" EACH
SE-4CU-1200A	(3) SETS OF (4) #600 CU IN 4" EACH

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CSC-24601 P2# 519087

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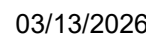
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WATER FLOW TEST DATA

TEST DATA:

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COLUMBUS, OHIO
DLA DSCC BLDG, 27 RE PF REMOD N
25-25126-00
FIRE PROTECTION SITE PLAN

SHEET ID

FP100

LIFE SAFETY REVIEW NOTES

1. CODE INVESTIGATION WAS PERFORMED USING IBC 2024, NFPA 101 2024, AND UNITED FACILITIES CRITERIA (UFC)
2. FOR CODE ANALYSIS, SEE FS1.2

LIFE SAFETY LEGEND

Diagram of Office 101 showing layout and labels:

- OFFICE 101
- A-3
- 20
- 150 SF
- 500
- 1

OCCUPANCY

SQUARE FOOTAGE

NUMBER OF EXITS

OCCUPANT LOAD FACTOR

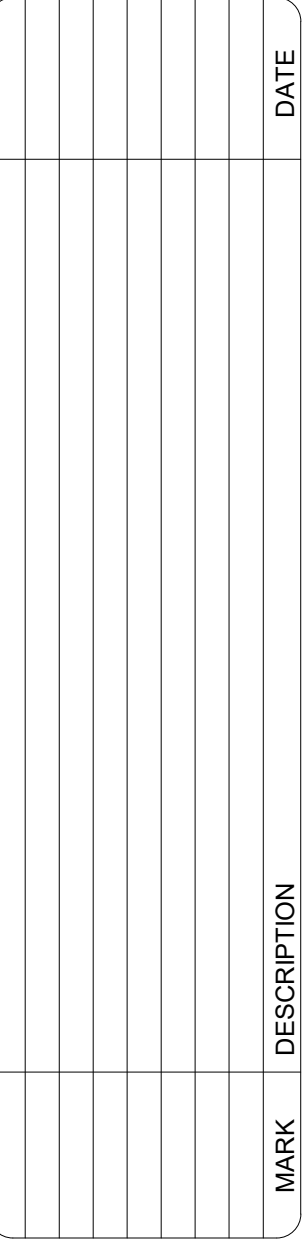
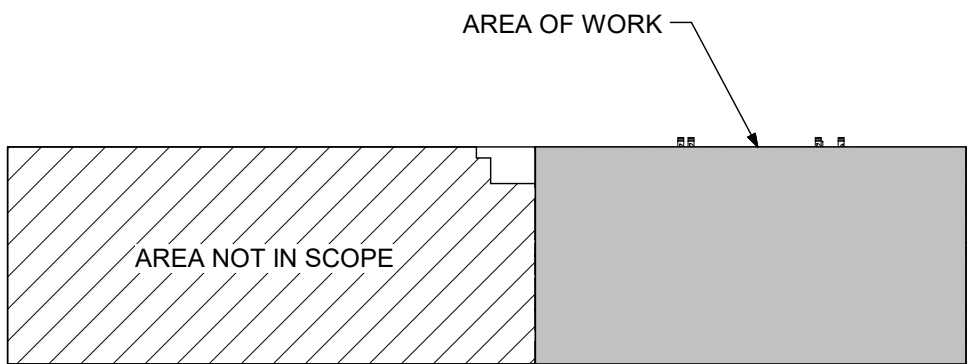
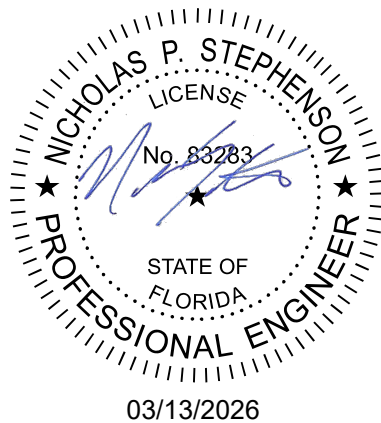
OCCUPANT LOAD

EGRESS PATH

FIRE EXTINGUISHER CABINET

EXIT

EGRESS EXIT SIGNAGE

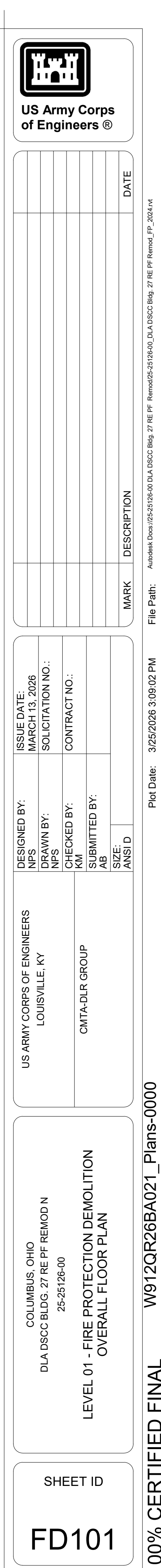


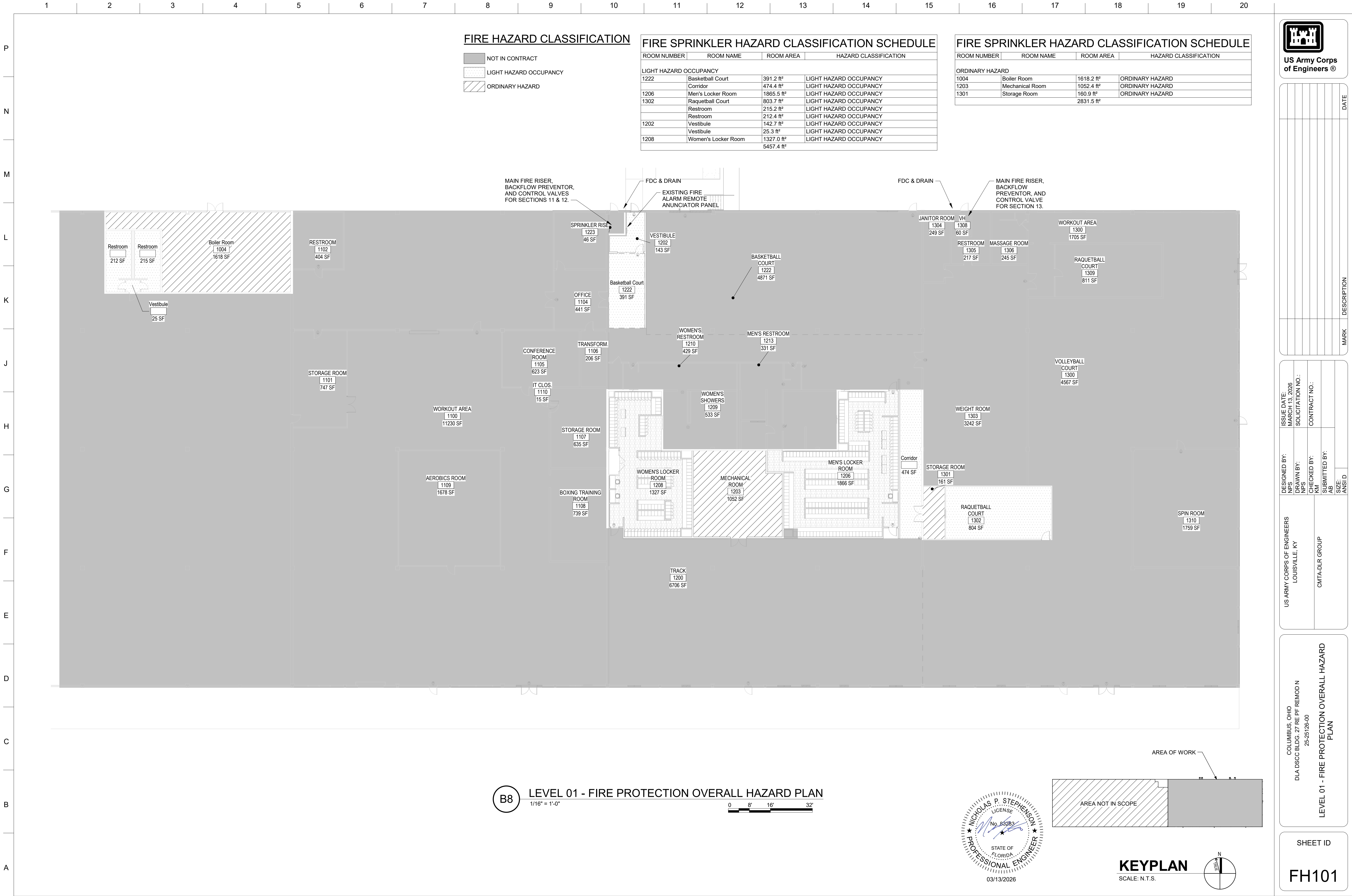
US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	ISSUE DATE:	MARCH 15, 2026	
	DESIGNED BY:	NPS	
	CHECKED BY:	KM	
	SUBMITTED BY:	CMTA-DLR GROUP	
	SIZE:	ANSI/D	

COLUMBUS, OHIO
DLA DSCC BLDG. 27 RE PF REMOD N
25-25126-00
LEVEL 01 - LIFE SAFETY PLAN

SHEET ID

FS101

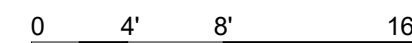




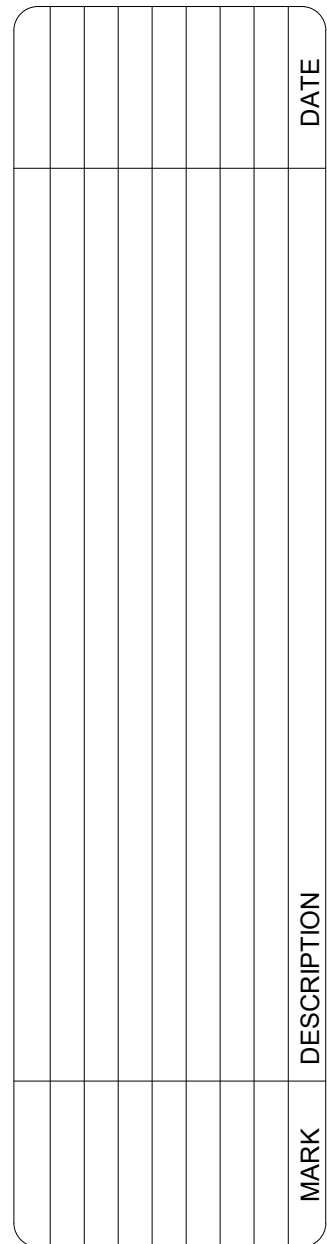


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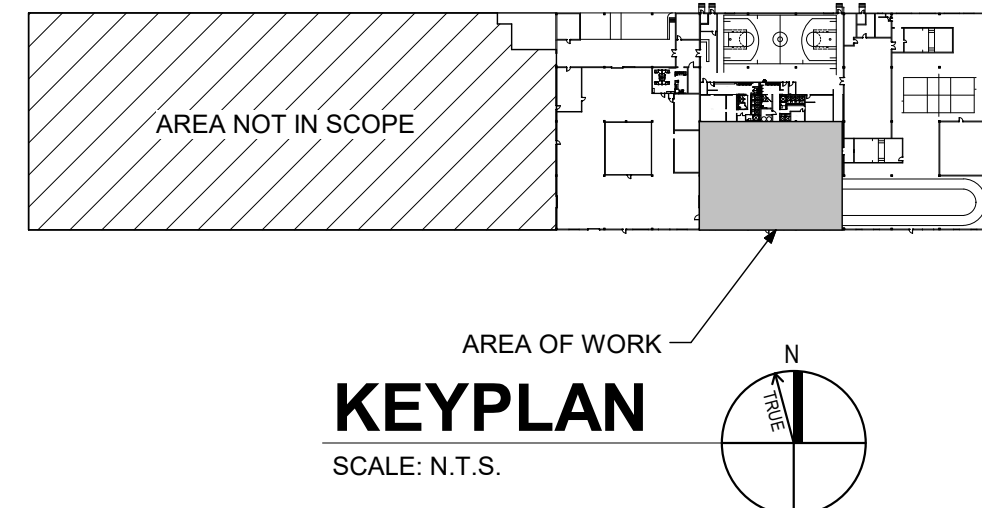
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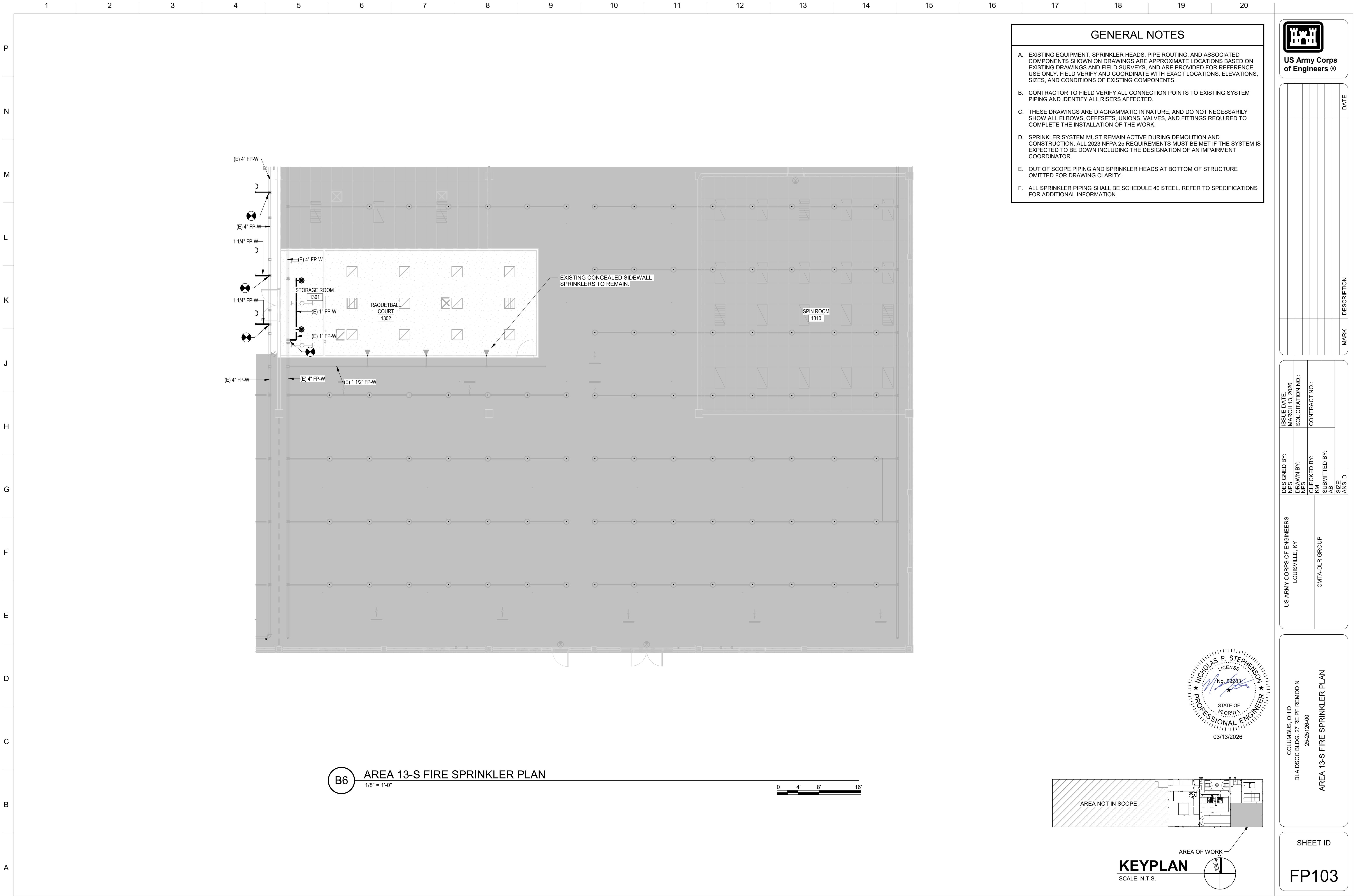


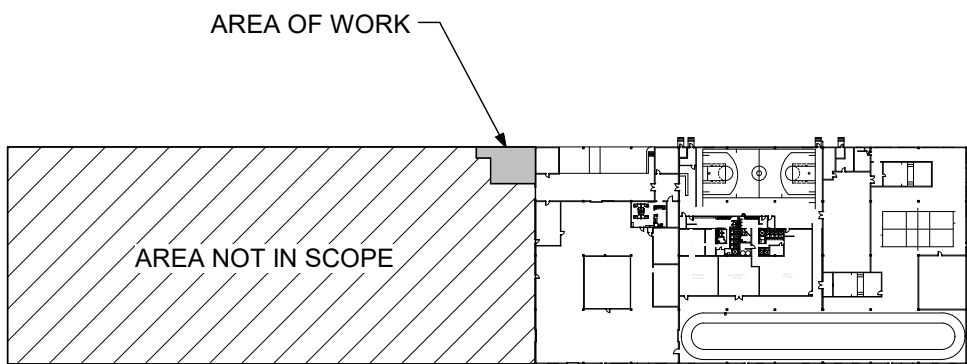
- A. EXISTING EQUIPMENT, SPRINKLER HEADS, PIPE ROUTING, AND ASSOCIATED COMPONENTS SHOWN ON DRAWINGS ARE APPROXIMATE LOCATIONS BASED ON EXISTING DRAWINGS AND FIELD SURVEYS, AND ARE PROVIDED FOR REFERENCE USE ONLY. FIELD VERIFY AND COORDINATE WITH EXACT LOCATIONS, ELEVATIONS, SIZES, AND CONDITIONS OF EXISTING COMPONENTS.
- B. CONTRACTOR TO FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING AND IDENTIFY ALL RISERS AFFECTED.
- C. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE, AND DO NOT NECESSARILY SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, AND FITTINGS REQUIRED TO COMPLETE THE INSTALLATION OF THE WORK.
- D. SPRINKLER SYSTEM MUST REMAIN ACTIVE DURING DEMOLITION AND CONSTRUCTION. ALL 2023 NFPA 25 REQUIREMENTS MUST BE MET IF THE SYSTEM IS EXPECTED TO BE DOWN INCLUDING THE DESIGNATION OF AN IMPAIRMENT COORDINATOR.
- E. OUT OF SCOPE PIPING AND SPRINKLER HEADS AT BOTTOM OF STRUCTURE OMITTED FOR DRAWING CLARITY.
- F. ALL SPRINKLER PIPING SHALL BE SCHEDULE 40 STEEL. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.



US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY:	NPS	ISSUE DATE: MARCH 13, 2026
	DRAWN BY:	NPS	SOLICITATION NO.:
	CHECKED BY:	KM	CONTRACT NO.:
	SUBMITTED BY:	AB	
CMITA-DLR GROUP	SIZE:		
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[illegible]

US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY:	ISSUE DATE:
	NPS	MARCH 13, 2026
CMTA-DLR GROUP	NPS DRAWN BY:	SOLICITATION NO.:
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	CHECKED BY:	CONTRACT NO.:
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COLUMBUS, OHIO
D/LA DSCC BLDG. 27 RE PF REMOD N
25-25126-00
AREA 10-N FIRE SPRINKLER PLAN

SHEET ID

FP104

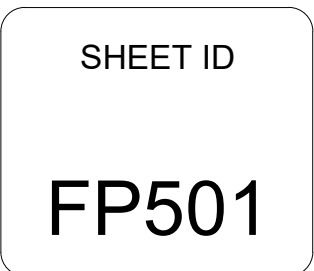
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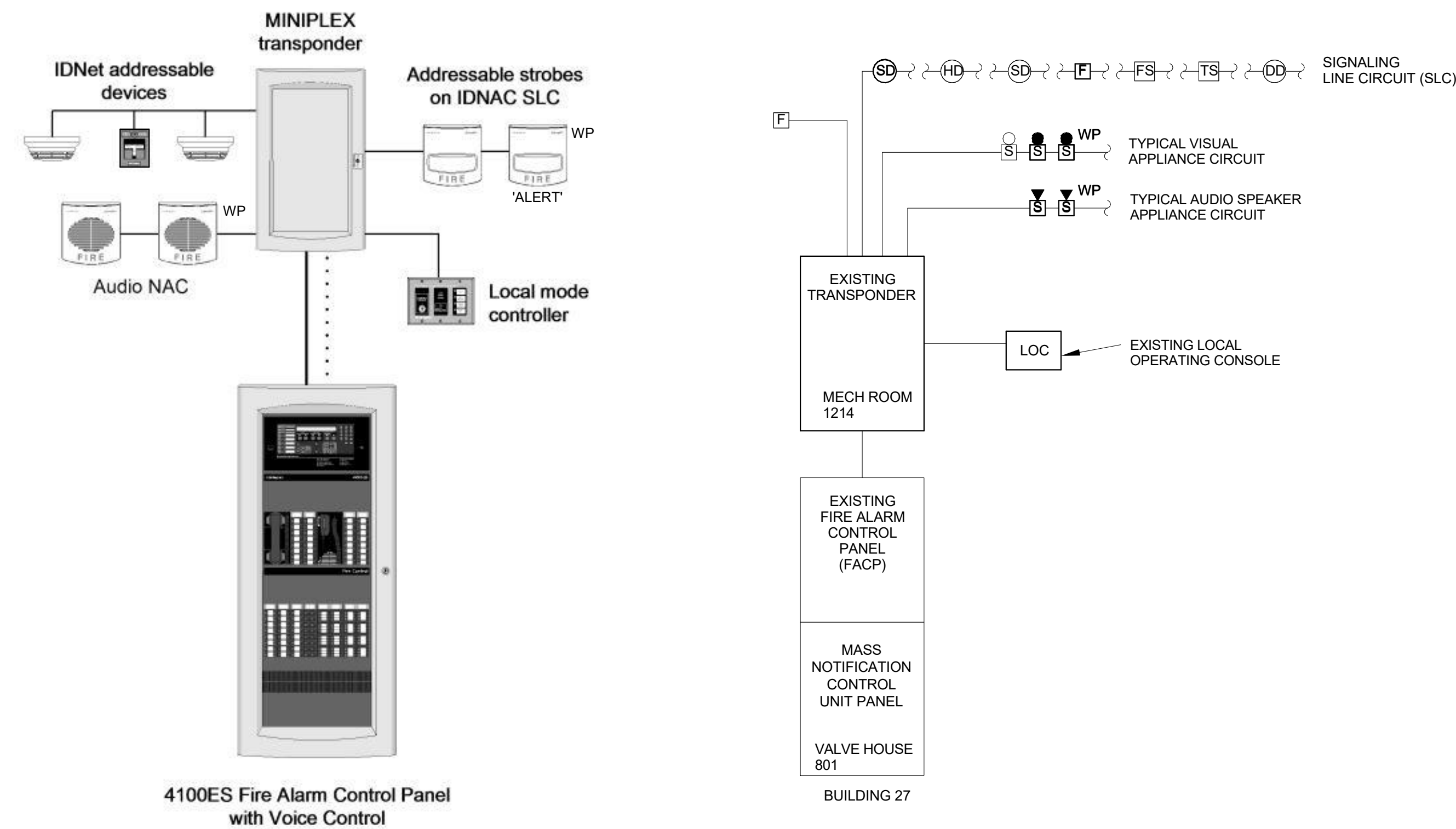
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F2 EXISTING FIRE ALARM / MASS NOTIFICATION RISER
NTS

		SYSTEM OUTPUTS														CONTROL UNIT ANNUNCIATION		NOTIFICATION		FIRE SAFETY CONTROL																																																																																																																																																																																																																																																																																																										
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B2 EXISTING FIRE ALARM MATRIX

SCOPE OF WORK

MODIFY EXISTING FIRE ALARM SYSTEM: PROVIDE NEW DEVICES AND DEMOLISH EXISTING DEVICES AS SHOWN ON DRAWINGS.

ALL NEW WIRING TO BE CLASS B

THE EXISTING FIRE ALARM SYSTEM (SIMPLEX 4100U TRUEALERT) SHALL NOT BE DISCONNECTED OR TAKEN OUT OF SERVICE WITHOUT WRITTEN PERMISSION FROM THE OWNER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE OWNER THE TIMING OF ANY EXISTING FIRE ALARM SYSTEM DEMOLITION WORK.

FIRE ALARM SYMBOLS

	MANUAL PULL STATION (46" AFF)
	STROBE LIGHT AMBER LENS MARK 'ALERT' (80"- 96" AFF)
	WEATHER PROOF STROBE LIGHT AMBER LENS MARK 'ALERT' (80"- 96" AFF)
	SPEAKER/STROBE COMBINATION (80"- 96" AFF)
	WEATHER PROOF SPEAKER/STROBE COMBINATION (80"- 96" AFF)
	SMOKE DETECTOR TIED TO FACP - WALL MOUNTED; CEILING MOUNTED
	HEAT DETECTOR TIED TO FACP - WALL MOUNTED; CEILING MOUNTED
	COMBINATION SMOKE/HEAT DETECTOR TIED TO FACP - WALL MOUNTED; CEILING MOUNTED
	DUCT DETECTOR
	TAMPER SWITCH
	FLOW SWITCH
	ADDRESSABLE INTERFACE DEVICE FOR RELEASE OF DOOR HOLD OPEN DEVICES
	FIRE ALARM CONTROL PANEL
	FIRE ALARM REMOTE ANNUNCIATING PANEL
	FIRE ALARM TRANSPONDER REMOTE UNIT, ADDRESSABLE CONTROLLER

GRAPHICS LEGEND

EXISTING (E)

DEMOLISH (D)

NOT IN SCOPE OF WORK

FIRE ALARM ABBREVIATIONS LIST

AC	ABOVE COUNTER	MFR	MANUFACTURER
ACLG	ABOVE CEILING	MIN	MINIMUM
ADO	AUTOMATIC DOOR OPENER	MISC	MISCELLANEOUS
AFF	ABOVE FINISHED FLOOR	MT	MOUNT
AFG	ABOVE FINISHED GRADE	MT C	EMPTY CONDUIT
AHU	AIR HANDLING UNIT	NEC	NATIONAL ELECTRICAL CODE
ALT	ALTERNATE	NEMA	NATIONAL ELECTRICAL CODE
AMPL	AMPLIFIER	NIC	NOT IN CONTRACT
ANN	ANNUNCIATOR	N/O	NORMALLY OPEN
APPROX	APPROXIMATELY	NTS	NOT TO SCALE
CD	(eg. 15CD) CANDELA	OH	OVERHEAD
(D)	DEMOLISH	OL	OVERLOADS
DEPT	DEPARTMENT	PA	PANEL ADDRESS
DET	DETAIL	PB	PULL BOX OR PUSHBUTTON
DIA	DIAMETER	PH	PHASE
DISC	DISCONNECT	PNL	PANEL
DIST	DISTRIBUTION	PR	PAIR
DN	DOWN	PRI	PRIMARY
DPR	DAMPER	PROJ	PROJECTION
DS	SAFETY DISCONNECT SWITCH	POWER	POWER
DWG	DRAWING	QUAN	QUANTITY
EC	ELECTRICAL CONTRACTOR	REQD	REQUIRED
ELEC	ELECTRIC, ELECTRICAL	RM	ROOM
EM	EMERGENCY	SEC	SECONDARY
EQUIP	EQUIPMENT	SHT	SHEET
(E)	EXISTING	SM	SIMILAR
EXH	EXHAUST	SPEC	SPECIFICATION
EXP	EXPLOSION PROOF	SPKR	SPEAKER
FA	FIRE ALARM	SP	SPARE
FARA	FIRE ALARM REMOTE ANNUNCIATING	SS	STAINLESS STEEL
FACP	PANEL	SSW	SELECTOR SWITCH
FLR	FLOOR	S/S	STOP/START PUSHBUTTONS
GC	GENERAL CONTRACTOR	STA	STATION
GEN	GENERATOR	STD	STANDARD
GND	GROUND	SURF	SURFACE MOUNTED
HORIZ	HORIZONTAL	SYM	SYMMETRICAL
HT	HEIGHT	SYS	SYSTEM
I/W	INTERLOCK WITH	TERM	TERMINAL
J-BOX	JUNCTION BOX	TL	TWIST LOCK
LOC	LOCATE OR LOCATION	TR	TAMPER RESISTANT
LT	LIGHT	TYP	TYPICAL
MAX	MAXIMUM	UC	UNDER COUNTER
		UG	UNDERGROUND
		WP	WEATHER PROOF

SHEET LIST

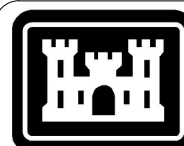
FA001	FIRE ALARM LEGEND, NOTES, DIAGRAMS AND ABBREVIATIONS
FD201	LEVEL 01 - AREA 12 - FIRE ALARM DEMOLITION PLAN
FA201	LEVEL 01 - AREA 12 - FIRE ALARM PLAN
FA501	FIRE ALARM DETAILS

GENERAL PROJECT NOTES

1. THIS IS A COMPLETE LIST OF FIRE ALARM SYMBOLS AND ABBREVIATIONS FOR REFERENCE ONLY. SYMBOLS SHOWN ON THIS DRAWING MAY NOT APPEAR ON THE FOLLOWING DRAWINGS.
2. PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, REGULATIONS, AND STANDARDS ADOPTED BY THE AUTHORITY HAVING JURISDICTION. IF CONFLICTS EXIST BETWEEN THESE ENGINEERING DOCUMENTS AND CODES, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
3. ALL CONSTRUCTION WORK SHALL ALSO MEET THE FOLLOWING CODE REQUIREMENTS:
 - NFPA 101-2021, THE LIFE SAFETY CODE
 - NFPA 70-2023, NATIONAL ELECTRICAL CODE
 - NFPA 72-2022, NATIONAL FIRE ALARM CODE
 - UFC 3-600-01, FIRE PROTECTION ENGINEERING FOR FACILITIES
4. THE FIRE ALARM DRAWINGS ARE SCHEMATIC IN NATURE. BEFORE STARTING THE WORK THE CONTRACTOR SHALL REVIEW ALL OTHER DISCIPLINE DRAWINGS AND VERIFY FIELD CONDITIONS AND SHALL MAKE ANY REQUIRED MINOR ADJUSTMENTS WITHOUT EXTRA COST TO THE OWNER. ANY MAJOR DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
5. ALL DEVICES, EQUIPMENT MATERIAL AND LABOR SHALL BE PROVIDED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
6. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE MOUNTED AS PER EQUIPMENT AND DEVICE MANUFACTURER RECOMMENDATIONS.
7. CONTRACTOR SHALL PROVIDE SUBMITTALS TO ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL OF ALL ELECTRICAL EQUIPMENT AND DEVICES DESCRIBED IN THE SUBMITTAL REGISTER. SUBMITTALS SHALL INCLUDE CUT SHEETS, DIMENSIONS, WIRING DIAGRAMS, ACCESSORIES, OPERATION MANUALS, AND ALL NECESSARY INFORMATION FOR REVIEWER TO MAKE A SOUND EVALUATION.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE SET OF RECORD DRAWINGS TO THE OWNER AT THE END OF THE CONSTRUCTION.
9. ALL MATERIALS AND EQUIPMENT TO BE INSTALLED SHALL BE NEW AND FREE OF DEFECTS. ALL EQUIPMENT SHALL COMPLY WITH NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) STANDARDS AND SHALL BE UL LABELED. ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN A WORKMANLIKE MANNER.
10. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE AND SMOKE RATED ASSEMBLY PENETRATIONS BY DUCTS, PIPES, OR CONDUITS, AND SHALL DISPLAY THESE DRAWINGS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.

FIRE ALARM NOTES

1. THIS BUILDING FACILITY REQUIRES A FIRE ALARM / MASS NOTIFICATION SYSTEM THAT COMPLIES WITH NFPA 72, NFPA 70 ARTICLE 760, NFPA 101, IBC, ABA, UFC 3-600-01 AND USACE BASE FACILITY STANDARD.
2. THE EXISTING FIRE ALARM SYSTEM IS SIMPLEX 4100U SYSTEM MAINTAINED BY SIMPLEXGRINNELL. ALL NEW DEVICES SHALL MATCH OR BE COMPATIBLE WITH THE EXISTING MAIN FIRE ALARM SYSTEM.
3. THE SELECTED FIRE ALARM / MASS NOTIFICATION SYSTEM CONTRACTOR IS EXPECTED TO BE FAMILIAR WITH THE ACCEPTED PRACTICES AND SHALL INCLUDE ALL EQUIPMENT, DEVICES, MATERIALS AND LABOR TO MEET ALL APPLICABLE CODES AND USACE BASE FACILITY STANDARD REQUIREMENTS AND SPECIFICATIONS.
4. THE EXISTING FIRE ALARM / MASS NOTIFICATION SYSTEM IS A STAND-ALONE SYSTEM AND SHALL BE PREPARED BY A DELEGATED FIRE ALARM SYSTEM CONTRACTOR (NICET LEVEL 4 TECHNICAL TRAINING). IT IS THE SOLE RESPONSIBILITY OF THE FIRE ALARM / MASS NOTIFICATION SYSTEM CONTRACTOR TO PROVIDE A COMPLETE SET OF SHOP DRAWINGS SUBMITTALS REFLECTING A FULLY-FUNCTIONAL, CODE-COMPLIANT INSTALLATION.
5. THE FIRE ALARM / MASS NOTIFICATION SYSTEM SHOP DRAWINGS SHALL INCLUDE ALL EQUIPMENT, DEVICES, CABLE, BATTERY CALCULATIONS, SEQUENCE OF OPERATIONS, POINT TO POINT WIRING, WIRING LEGEND, FA RISER DIAGRAM WITH ZONE LABELS, THE NON-LATCHING FIRE ALARM SYSTEM AND THE FIRE ALARM MONITORING SHALL BE CONTACT ID POINT ADDRESSABLE TO THE REMOTE SUPERVISING STATION VIA DIGITAL ALARM COMMUNICATOR TRANSMITTER. REFER TO FIRE ALARM / MASS NOTIFICATION SYSTEM SPECIFICATION FOR EXACT REQUIREMENTS OF DETAILED SHOP DRAWINGS SUBMITTAL.
6. COMPLETE SHOP DRAWINGS SHALL BE PROVIDED FOR APPROVAL BEFORE INSTALLATION OF SYSTEM STARTS. THESE DRAWINGS MUST BE STAMPED / APPROVED BY A PERSON WITH A NICET LEVEL 4 TECHNICAL TRAINING.
7. PROVIDE APPROVED TESTING OF THE ENTIRE FIRE ALARM / MASS NOTIFICATION SYSTEM IN THIS BUILDING FACILITY PER USACE BASE FACILITY STANDARD REQUIREMENTS AND SPECIFICATIONS.
8. SYSTEMS SETUP AND PROGRAMMING SHALL COMPLY WITH USACE BASE FACILITY STANDARD REQUIREMENTS AND SPECIFICATIONS.
9. THE FIRE ALARM / MASS NOTIFICATION SYSTEM CONTRACTOR SHALL BE AN AUTHORIZED REPRESENTATIVE AND DISTRIBUTOR BY THE APPROVED MANUFACTURER. THE INSTALLING CONTRACTOR SHALL PROVIDE A FACTORY TRAINED AUTHORIZED REPRESENTATIVE OF THE MANUFACTURER WITH A NICET LEVEL 4 TECHNICAL TRAINING FOR THE PROJECT. THIS INDIVIDUAL SHALL SUPERVISE THE INSTALLATION OF THE SYSTEM.
10. THE FACTORY TRAINED AUTHORIZED REPRESENTATIVE OF THE MANUFACTURER OR A NICET LEVEL 4 FIRE ALARM TECHNICIAN SHALL CERTIFY THE SYSTEM IN ACCORDANCE WITH THE DESIGN, SPECIFICATIONS, SHOP DRAWINGS, AND NFPA 72. THIS INDIVIDUAL MUST BE PRESENT AT ALL INSPECTIONS AND TESTING OF THE SYSTEM.
11. NOT ALL DEVICES ARE SHOWN. DRAWING SHOWN FOR REFERENCE ONLY.
12. THESE DRAWINGS DEPICT GENERAL LOCATIONS AND FIELD DEVICES. EXACT ROUTING OF CONDUITS TO BE DETERMINED IN THE FIELD BY THE INSTALLING CONTRACTOR TO SUIT CONDITIONS. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS.
13. FIRE ALARM CONDUIT SHALL BE RED PRE-PAINTED CONDUIT.
14. EXISTING CONDUITS MAY BE USED BY THE INSTALLATION CONTRACTOR AS DEEMED NECESSARY, HOWEVER, ANY EXISTING CONDUIT WILL BE USED ONLY IF CONDUITS MEET CURRENT STANDARDS AND CODES.



**US Army Corps
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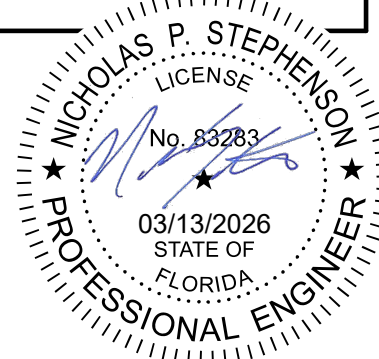
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US ARMY CORPS OF ENGINEERS LOUISVILLE KY	DESIGNED BY:	NPS	ISSUE DATE:	MARCH 13, 2026
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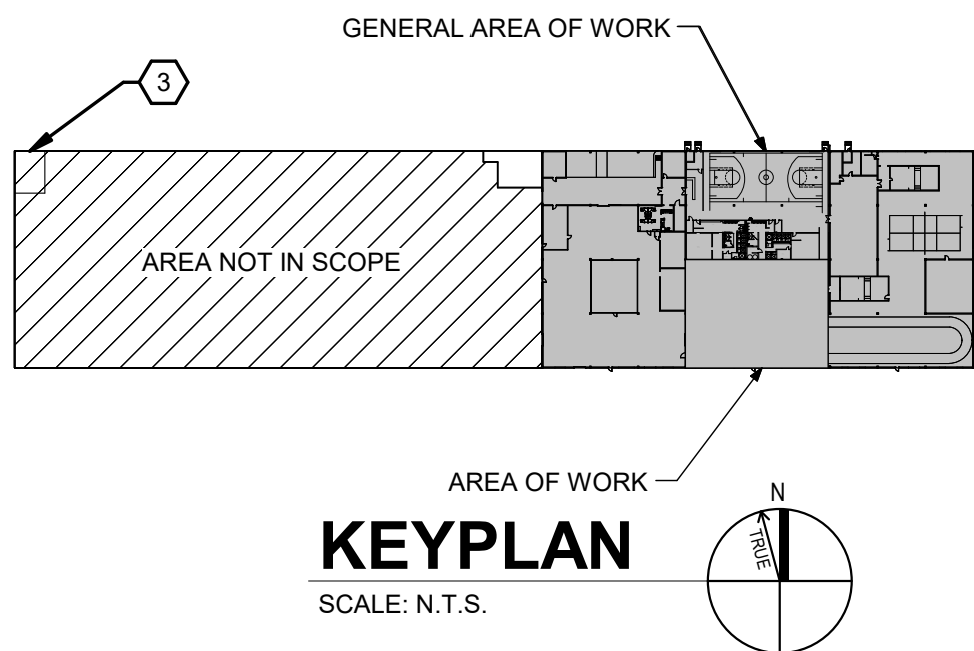
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$$1/16'' = 1'-0''$$


- ## GENERAL NOTES

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MARK	DESCRIPTION
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US ARMY CORPS OF ENGINEERS LOUISVILLE, KY	DESIGNED BY:	ISSUE DATE:
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LEVEL 01 - AREA 12 - FIRE ALARM PLAN

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TrueAlert™ ADDRESSABLE (STYLE 4) SPEAKER/VISIBLE NOTIFICATION APPLIANCES 4906 SERIES

PRODUCT INFORMATION

FEATURES:

- AUDIBLE NOTIFICATION APPLIANCE (SPEAKER)
- HIGH QUALITY VOICE AND TONE REPRODUCTION WITH TAPS FOR 1/4, 1/2, 1W, OR 2W AT 25 OR 70.7 VRMS
- UL LISTED TO STANDARD 1480
- SPEAKERS ARE WIRED SEPARATELY FROM TRUEALERT STROBE WIRING

TrueAlert VISIBLE NOTIFICATION APPLIANCE (STROBE)

- XENON STROBE OUTPUT IS MANUALLY SELECTABLE FOR 15, 30, 75, 110 CANDELA OR "FACP". THE "FACP" SETTING ALLOWS THE 4100 TO PROGRAM THE CANDELA SETTING.
- UL LISTED TO STANDARD 1971
- SUPERVISION OF EACH INDIVIDUAL STROBE'S WIRING AND CONNECTIONS WITH ACTIVATION AT A SYNCHRONIZED 1 Hz FLASH RATE
- MAGNETIC TEST DIAGNOSTICS TO ASSIST CHECKOUT AND TESTING OF TRUEALERT STROBE AND WIRING
- RUGGED, HIGH IMPACT, FLAME RESISTANT THERMOPLASTIC HOUSING AVAILABLE IN RED OR WHITE (COVERS ARE AVAILABLE SEPARATELY TO CONVERT COLORS)
- LED INDICATOR CAN BE SELECTED TO DISPLAY EACH POLLING CYCLE TO INDICATE APPLIANCE SUPERVISION
- WHEN THE TRUEALERT CONTROLLER IS IN DIAGNOSTIC MODE, THE MAGNETIC TEST PULSES THE LED TO INDICATE APPLIANCE ADDRESS AND IS SELECTABLE TO ALSO BRIEFLY FLASH THE STROBE TO CONFIRM OPERATION

GENERAL SPECIFICATIONS:

- DIMENSIONS (INCLUDING LENS) : 7 1/4" (184mm) H X 5 1/2" (127mm) W X 2 5/8" (67mm) D
- TEMPERATURE RANGE: 32° F TO 122° F (0° TO 50° C)
- HUMIDITY RANGE: 10% TO 93% NON-CONDENSING AT 100° F (38° C)
- DEPTH INTO BOX: 2 1/2" (64mm)
- SPEAKER TAP SELECTION: SINGLE JUMPER WIRE WITH PRESSURE CONNECTOR ATTACHES TO ONE OF 8 TERMINALS
- CONNECTIONS: TERMINALS FOR 18 TO 12 AWG, SEPARATE TERMINALS FOR SPEAKER AND TrueAlert STROBE CONNECTION
- FOR VISIBLE LENS MOUNTING HEIGHT TO MEET "ADA" 80" MINIMUM, THE 4" SQUARE BACKBOX IS TO BE INSTALLED AT A HEIGHT OF 82" FROM THE FLOOR TO THE BOTTOM OF THE BOX.

STROBE

- RATED VOLTAGE: 17 TO 31 VRMS
- SUPERVISORY REQUIREMENTS: 1 UNIT LOAD
- STROBE FLASH RATE: 1 Hz
- SYNCHRONIZED SLC LOADING: UP TO 43 TrueAlert ADDRESSABLE SYNCHRONIZED STROBES MAXIMUM PER SLC

*CURRENT DRAWS REFLECT STROBE FLASHING

MODEL NUMBER	COVER LETTERING COLOR	VOLTAGE	15cd	30cd	75cd	110cd
4906-9251	RED	WHITE	23 VRMS	0.060	0.092	0.180 0.240
4906-9253	WHITE	RED	23 VRMS	0.076	0.128	0.242 0.328
			23 VRMS	0.060	0.092	0.180 0.240
			17 VRMS	0.076	0.128	0.242 0.328

SPEAKER

- INPUT VOLTAGE: 25 OR 70.7 VRMS, SEE NOTE 4
- POWER TAPS: 1/4, 1/2, 1W, AND 2W
- FREQUENCY RESPONSE: FIRE ALARM: 400 TO 4000 Hz

GENERAL SIGNALING: 125 TO 12 KHz					
SPEAKER OUTPUT RATINGS (dBA @ 10 Ft. (3m))					
	1/4W	1/2W	1W	2W	
REVERBERANT CHAMBER, UL 1480 TEST	76	79	82	85	
ANECHOIC CHAMBER, ON-AXIS, 1kHz INPUT	87	90	93	96	

- UL STANDARD 1480 SPEAKER OUTPUT RATING CATEGORIES ARE BASED UPON 3 dBA INCREMENTS.
- SPEAKERS ARE NOT ADDRESSABLE AND ARE FOR CONNECTION TO CONVENTIONAL FIRE ALARM AUDIO CIRCUITS.

PRODUCT INFORMATION

FEATURES:

- UL LISTED, FM APPROVED
- TRUEALARM ANALOG SENSING PROVIDES DIGITAL TRANSMISSION OF ANALOG SENSOR VALUES VIA MAPNETI/ OR IDNet SLC TWO WIRE COMMUNICATIONS
- FIRE ALARM CONTROL PANEL PROVIDES:
 - INDIVIDUAL SENSITIVITY SELECTION FOR EACH SENSOR
 - PEAK VALUE LOGGING ALLOWING ACCURATE ANALYSIS FOR SENSITIVITY SELECTION
 - AUTOMATIC ENVIRONMENTAL COMPENSATION
 - DISPLAY OF SENSITIVITY IN PERCENT PER FOOT
 - MULTISTAGE ALARM OPERATION
 - ABILITY TO DISPLAY AND PRINT DETAILED SENSOR INFORMATION IN PLAIN ENGLISH LANGUAGE
- PHOTOELECTRIC SMOKE SENSOR 4098-9714:
 - SEVEN LEVELS OF SENSITIVITY FROM 0.2% TO 3.7%
 - IONIZATION SMOKE SENSOR 4098-9717:
 - FOUR LEVELS OF SENSITIVITY FROM 0.5% TO 1.7%.
- HEAT SENSOR 4098-9733:
 - RATE-OF-RISE TEMPERATURE DETECTION IS SELECTABLE AT THE CONTROL PANEL FOR EITHER 15° OR 20° PER MINUTE
 - FIXED TEMPERATURE SENSING IS INDEPENDENT OF RATE-OF-RISE AND PROGRAMMABLE TO OPERATE AT 130°F OR 150°F
- TRUEALARM HEAT SENSORS CAN BE PROGRAMMED AS A UTILITY DEVICE TO MONITOR FOR TEMPERATURE EXTREMES IN THE RANGE FROM 32° F TO 120° F.
- UL STANDARD SPACING:
 - 60 FT SPACING FOR 135° F
 - 40 FT SPACING FOR 155° F
- BASE MOUNTED ADDRESS SELECTION:
 - ADDRESS REMAINS WITH ITS PROGRAMMED LOCATION
- FOR USE WITH SIMPLEX 4010, 4100, 4020, AND 4120 SERIES CONTROL PANELS.
- MAXIMUM QUANTITY OF DEVICES:
 - 127 FOR 4020, 4100, 4120
 - 250 FOR 4010, 4100
- MOUNTING: CEILING OR WALL
- COLOR : FROST WHITE
- BASE DIMENSIONS: 15/16" X 4-7/8"

SPECIFICATIONS:

- UL LISTED TEMPERATURE RANGE: 32° F TO 100° F
- OPERATING TEMPERATURE RANGE: 32° F TO 120° F
- HUMIDITY RANGE: 10% TO 95% RH
- PHOTOELECTRIC SENSOR AIR VELOCITY RANGE: 0-2000 FT/MIN
- IONIZATION SENSOR AIR VELOCITY RANGE: 0-500 FT/MIN
- WIRING CONNECTIONS: SCREEN TERMINALS FOR IN/OUT WIRING, #18 TO #14 AWG
- COMMUNICATIONS MAPNETI/IDNet SLC: 1 ADDRESS PER BASE VOLTAGE (MAPNETI/IDNet SLC): 24-40VDC CURRENT: 400µA TYPICAL

DESCRIPTION:

TRUEALARM SENSOR BASES CONTAIN INTEGRAL ADDRESSABLE ELECTRONICS THAT CONSTANTLY MONITOR THE STATUS OF THE DETACHABLE PHOTOELECTRIC, IONIZATION, OR HEAT SENSORS. EACH SENSOR'S OUTPUT IS DIGITIZED AND TRANSMITTED TO THE SYSTEM FIRE ALARM CONTROL PANEL EVERY FOUR SECONDS. SINCE TRUEALARM SENSORS USE THE SAME BASE, DIFFERENT SENSOR TYPES CAN BE EASILY INTERCHANGED TO MEET SPECIFIC LOCATION REQUIREMENTS. THIS FEATURE ALLOWS INTENTIONAL SENSOR SUBSTITUTION DURING BUILDING CONSTRUCTION. WHEN CONDITIONS ARE TEMPORARILY DUSTY, INSTEAD OF COVERING THE SMOKE SENSORS. HEAT SENSORS MAY BE INSTALLED WITHOUT REPROGRAMMING THE CONTROL PANEL, ALTHOUGH THE CONTROL PANEL WILL INDICATE AN INCORRECT SENSOR TYPE. THE HEAT SENSOR WILL OPERATE AS A DEFAULT SENSITIVITY PROVIDING HEAT DETECTION FOR BUILDING PROTECTION AT THAT LOCATION.

WIRING:

- ALL WIRING TO COMPLY WITH LOCAL CODE.
- CONDUCTORS MUST TEST FREE OF ALL GROUNDS.
- MAINTAIN CORRECT POLARITY
- MAPNETI/IDNet SLC WIRING TO BE #18 AWG TWISTED SHIELDED PAIR
- IF SHIELD IS PRESENT, CONNECT TO THE OUTGOING IDNet SLC SHIELD TO PROVIDE A CONTINUOUS SHIELD OVER THE LENGTH OF THE IDNet SLC CHANNEL. METHOD OF SPUCE DETERMINED BY AHJ.
- REFER TO INSTALLATION INSTRUCTIONS (574-707)
- REFER TO APPLICATION MANUAL (574-709)

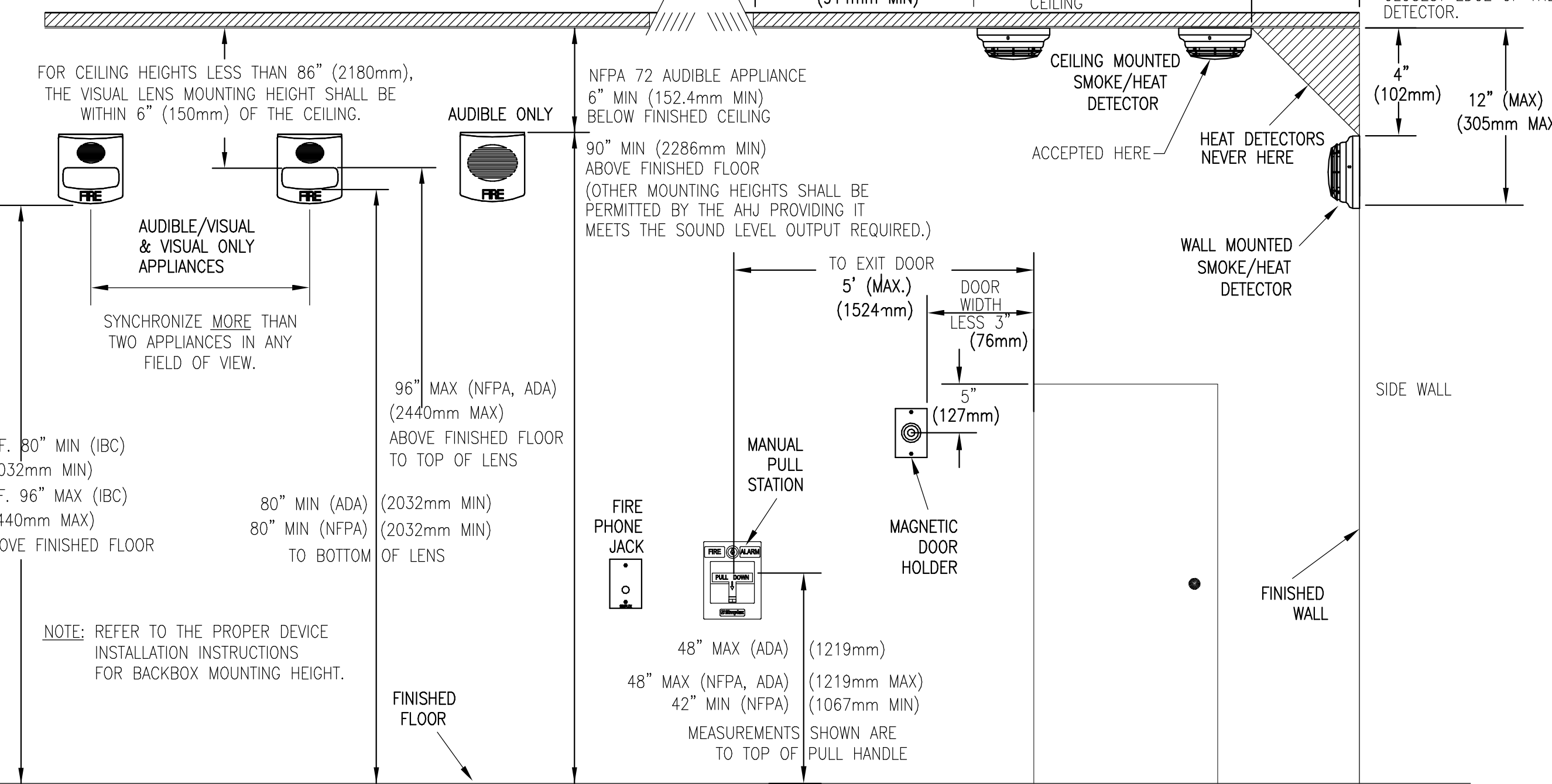
A1) EXISTING SPEAKER/VISIBLE NOTIFICATION APPLIANCE

N.T.S.

DETAILS PROVIDED BY OTHERS AND SHOWN FOR REFERENCE ONLY.

VISUAL APPLIANCE MOUNTING HEIGHT CONSIDERATIONS IN SLEEPING ROOMS

- MIN DISTANCE IN SLEEPING ROOMS IS 24" (610mm) FROM CEILING TO TOP OF LENS FOR 110CD STROBES WITHIN 16' OF THE PILLOW
- 177CD STROBES, USED IN SLEEPING ROOMS, CAN BE WITHIN THE 24" (610mm) MINIMUM DISTANCE FROM THE CEILING. THE HIGHER INTENSITY IS TO COMPENSATE FOR A POSSIBLE SMOKE LAYER.



H1) TYPICAL MOUNTING HEIGHT REFERENCE PER NFPA 72

N.T.S.

TrueAlert™ SLC ADDRESSABLE (STYLE 4) COMBINATION VISIBLE NOTIFICATION APPLIANCES 4906 SERIES

PRODUCT INFORMATION

FEATURES:

- INDIVIDUALLY ADDRESSED HIGH INTENSITY VISIBLE NOTIFICATION APPLIANCE (STROBE) PROVIDES:
- SUPERVISION OF EACH INDIVIDUAL APPLIANCE'S WIRING AND CONNECTIONS
- ABILITY TO CONNECT USING "T" TAPPING FOR CLASS B/STYLE 4 CIRCUITS TO SIMPLY WIRING
- XENON STROBE OUTPUT IS MANUALLY SELECTABLE FOR 15, 30, 75, 110 CANDELA OR "FACP". THE "FACP" SETTING ALLOWS THE 4100 TO PROGRAM THE CANDELA SETTING.
- COMPATIBILITY WITH ADA REQUIREMENTS
- IN/OUT WIRING ACCESSIBILITY FROM FRONT OF HOUSING PROVIDES EASY ACCESS FOR INSTALLATION, INSPECTION, AND TESTING
- MAGNETIC TEST DIAGNOSTICS TO ASSIST CHECKOUT AND TESTING OF APPLIANCES AND WIRING
- CLEAR LENS STROBE UL LISTED TO STANDARD 1971
- AMBER LENS STROBE UL LISTED TO STANDARD 1638
- MEETS LIGHT DISPERSION PATTERNS OF UL 1971
- AMBER STROBES USED AS PART OF A MASS NOTIFICATION SYSTEM
- LED INDICATOR AND MAGNETIC TEST FEATURE:
- EACH APPLIANCE LED INDICATOR CAN BE SELECTED TO DISPLAY EACH POLLING CYCLE TO INDICATE APPLIANCE SUPERVISION
- WHEN THE TRUEALERT CONTROLLER IS IN DIAGNOSTIC MODE, THE MAGNETIC TEST PULSES THE LED TO INDICATE APPLIANCE ADDRESS AND INTENSITY SELECTION. IT IS ALSO SELECTABLE TO BRIEFLY FLASH THE STROBE TO CONFIRM OPERATION

TrueAlert 2-WIRE ADDRESSABLE CONTROL OF VISIBLE (AND AUDIBLE) NOTIFICATION PROVIDES:

- VISIBLE APPLIANCES CONNECTED TO THE SAME CIRCUIT OPERATED AT A SYNCHRONIZED 1 Hz FLASH RATE
- INDEPENDENT OPERATION (CLEAR/FIRE OR AMBER/ALERT, NOT BOTH)

SPECIFICATIONS:

- STROBE:
 - RATED VOLTAGE RANGE: 17 TO 31 VRMS
 - SUPERVISORY REQUIREMENTS: 2 UNIT LOADS TOTAL PER 4906-9208
- STROBE FLASH RATE: 1 Hz
- SYNCHRONIZED SLC LOADING: UP TO 46 TrueAlert ADDRESSABLE SYNCHRONIZED STROBES MAXIMUM PER SLC

MODEL NUMBER	COVER LETTERING COLOR	VOLTAGE	15cd	30cd	75cd	110cd
4906-9208	RED	WHITE	23 VRMS	0.060	0.092	0.180 0.240
4906-9211	WHITE	RED	23 VRMS	0.076	0.128	0.242 0.328
			23 VRMS	0.060	0.092	0.180 0.240
			17 VRMS	0.076	0.128	0.242 0.328

* PERFORMANCE REFERENCE, NOMINAL AVERAGE CURRENTS WITH STROBE FLASHING

GENERAL SPECIFICATIONS:

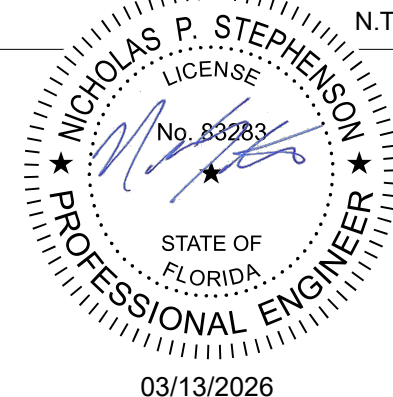
- HOUSING DIMENSIONS (INCLUDING LENS): 10 3/4" H X 5 1/8" W X 3 15/16" D
- TEMPERATURE RANGE: 32° TO 122° F (0° TO 50° C)
- HUMIDITY RANGE: 10% TO 93% NON-CONDENSING AT 100° F (38° C)
- CONNECTIONS: TERMINAL BLOCKS FOR 18 TO 12 AWG WIRE

SPECIFICATION NOTES:

- TrueAlert APPLIANCES ARE REQUIRED TO BE CONNECTED TO A TrueAlert ADDRESSABLE CHANNEL WHERE BOTH POWER AND ADDRESSED COMMUNICATIONS ARE SUPPLIED. REFER TO DATA SHEET SA009-0003. (TrueAlert ADDRESSABLE CONTROLLER) FOR ADDITIONAL INFORMATION ABOUT WIRING RULES AND DISTANCE LIMITATIONS.
- THE RATED RANGE LISTED IS THE ABSOLUTE OPERATING VOLTAGE RANGE. OPERATION OUTSIDE OF THIS RANGE MAY CAUSE PERMANENT DAMAGE TO THE APPLIANCE. PLEASE NOTE THAT 17 VRMS IS THE LOWEST OPERATING VOLTAGE THAT IS ALLOWED AT THE LAST APPLIANCE ON THE TrueAlert NOTIFICATION APPLIANCE CIRCUIT UNDER WORST CASE CONDITIONS. VOLTAGE DROP AND STANDY BATTERY CALCULATIONS SHOULD BE MADE USING ANTICIPATED OPERATING CONDITIONS.

A11) EXISTING COMBINATION VISIBLE NOTIFICATION APPLIANCE

N.T.S.



US Army Corps of Engineers®

DATE

DESCRIPTION

MARK

ISSUE DATE:

SOLICITATION NO.:

CONTRACT NO.:

DESIGNED BY:

DRAWN BY:

CHECKED BY:

SUBMITTED BY:

US ARMY CORPS OF ENGINEERS

LOUISVILLE, KY

CMITA-DLR GROUP

DATE

SIZE

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FILE PATH:

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FIRE ALARM DETAILS

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100% CERTIFIED FINAL

03/13/2026

