ADD ALTERNATES
BASE BID: DEMOLISH, REPLACE, AND UPGRADE THE EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT IN BUILDINGS 1 AND 4 AS NOTED IN THE CONTRACT DOCUMENTS. THIS INCLUDES THE REPLACEMENT OF SWITCHGEAR, TRANSFORMERS, DISCONNECTS, SWITCHBOARDS, GENERATOR CONTROLS, AND ASSOCIATED EQUIPMENT LOCATED IN BUILDING 1 (SEE DRAWINGS FOR ADDITIONAL INFORMAITON). AS A PART OF THE BASE BID CONTRACTOR SHALL COMPLETE ALL ELEMENTS LISTED WITHIN THE CONTRACT DOCUMENT DRAWINGS AND SPECIFICATIONS. REFER TO THE ADD ALTERNATES LISTED BELOW FOR ALTERNATE BIDS:
ADD ALTERNATE 1: REPLACEMENT OF BUILDING 4 ELECTRICAL ROOM CHILLER ROOF. SEE CONTRACT DOCUMENT DRAWINGS FOR ADDITIONAL INFORMATION. ADD ALTERNATE 2: DEMOLITION, REPLACEMENT, AND UPGRADE OF EXISTING CHILLER SUBSTATION LOCATED IN THE LOWER ELECTRICAL EQUIPMENT ROOM IN BUILDING 4.

DEPARTMENT OF VETERANS AFFAIRS

LEXINGTON VA HEALTH CARE SYSTEM
LEXINGTON, KY
REPLACE MAIN ELECTRICAL DISTRIBUTION
PROJECT NO. 596A4-24-101

GENERAL:

GI-001 COVER SHEET
GI-002 CAMPUS SITE PLAN
GC-001 LOW VOLTAGE EXISTING CONDITIONS AND PHASING PLAN 1
GC-002 LOW VOLTAGE PHASING PLANS 2 AND 3
GC-003 LOW VOLTAGE PHASING PLANS 4 AND 5
GC-004 TOWER BUILDING MVSG EXISTING CONDITIONS AND PHASING PLAN 1
GC-005 TOWER BUILDING MVSG PHASING PLANS 2 AND 3
GC-006 TOWER BUILDING MVSG PHASING PLANS 4, 5, AND 6
GC-007 TOWER BUILDING LVSG EXISTING CONDITIONS AND PHASING PLAN 1
GC-008 TOWER BUILDING LVSG PHASING PLANS 2 AND 3
GC-009 TOWER BUILDING LVSG PHASING PLANS 4 AND 5
GC-010 BUILDING 4 MEZZANINE EXISTING CONDITIONS AND PHASING PLAN 1
GC-011 BUILDING 4 MEZZANINE PHASING PLANS 2 AND 3
GC-012 BUILDING 4 MEZZANINE PHASING PLANS 4 AND 5
GC-013 BUILDING 4 MEZZANINE PHASING PLANS 6 AND 7

ICRA:

ICRA-01 ICRA GENERAL REQUIREMENTS

ARCHITECTURAL:

A-001 ARCHITECTURAL NOTES, SYMBOLS & ABBREVIATIONS
AD-100 BUILDING 1 GROUND FLOOR ENLARGED ARCHITECTURAL DEMOLITION PLAN
AD-101 BUILDING 4 MEZZANINE ARCHITECTURAL DEMOLITION PLAN
AD-102 BUILDING 4 ROOF ARCHITECTURAL DEMOLITION PLAN
A-100 BUILDING 1 GROUND FLOOR ENLARGED ARCHITECTURAL NEW WORK PLAN 1
A-101 BUILDING 1 GROUND FLOOR ENLARGED ARCHITECTURAL NEW WORK PLAN 2
A-102 BUILDING 4 MEZZANINE ARCHITECTURAL NEW WORK PLAN
A-103 BUILDING 4 ROOF ARCHITECTURAL NEW WORK PLAN
A-500 ARCHITECTURAL DETAILS AND SCHEDULES
A-501 ARCHITECTURAL ROOF DETAILS 1

LIFE SAFETY:

XJ-100 BUILDING 1 GROUND FLOOR LIFE SAFETY NEW WORK PLAN
XJ-101 BUILDING 4 MEZZANINE LIFE SAFETY NEW WORK PLAN

MECHANICAL:

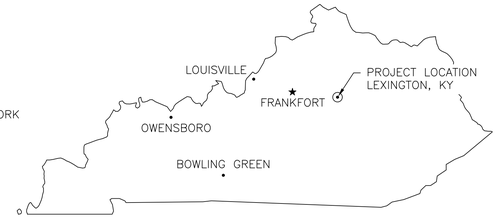
M-001 MECHANICAL SYMBOLS & NOTES
M-100 BUILDING 1 GROUND FLOOR PLAN
M-101 BUILDING 1 GROUND FLOOR ENLARGED MECHANICAL NEW WORK PLAN

ELECTRICAL:

E-001 ELECTRICAL SYMBOLS, NOTES, AND ABBREVIATIONS
ED-100 BUILDING 1 GROUND FLOOR PLAN
ED-101 BUILDING 1 GROUND FLOOR ENLARGED ELECTRICAL DEMOLITION PLAN 1
ED-102 BUILDING 1 GROUND FLOOR ENLARGED ELECTRICAL DEMOLITION PLAN 2
ED-103 BUILDING 4 MEZZANINE ELECTRICAL DEMOLITION PLAN
E-100 BUILDING 1 GROUND FLOOR ENLARGED ELECTRICAL NEW WORK PLAN 1
E-101 BUILDING 1 GROUND FLOOR ENLARGED ELECTRICAL NEW WORK PLAN 2
E-102 BUILDING 4 MEZZANINE ELECTRICAL NEW WORK PLAN
E-500 ELECTRICAL DETAILS 1
E-501 ELECTRICAL DETAILS 2
E-502 ELECTRICAL DETAILS 3
E-600 ELECTRICAL SCHEDULES 1
E-601 ELECTRICAL SCHEDULES 2
E-602 PRIMARY DISTRIBUTION SINGLE LINE DIAGRAMS – DEMOLITION
E-603 PARTIAL ONE-LINE DIAGRAMS – BUILDING 1 DEMOLITION
E-604 PATIAL ONE-LINE DIAGRAMS – BUILDING 4 DEMOLITION
E-605 PRIMARY DISTRIBUTION SINGLE LINE DIAGRAMS – NEW WORK
E-606 PARTIAL ONE-LINE DIAGRAMS – BUILDING 1 NEW WORK
E-607 PARTIAL ONE-LINE DIAGRAM – BUILDING 4 NEW WORK
E-608 PRIMARY DISTRIBUTION METERING AND RELAY DIAGRAMS – DEMOLITION AND NEW WORK

SECURITY:

TY-001 SECURITY SYMBOLS & ABBREVIATIONS
TY-100 SECURITY SITE PLAN NEW WORK
TY-101 BUILDING 1 GROUND FLOOR ENLARGED SECURITY NEW WORK PLAN 1
TY-102 BUILDING 1 GROUND FLOOR ENLARGED SECURITY NEW WORK PLAN 2
TY-103 BUILDING 4 MEZZANINE SECURITY NEW WORK PLAN
TY-500 SECURITY DETAILS 1
TY-501 SECURITY DETAILS 2
TY-502 SECURITY ONE-LINE DIAGRAMS



LOCATION MAP
SCALE: NOT TO SCALE

Revisions:	Date:

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No. PE045114E

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
COVER SHEET	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: N/A
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	Drawing Number: GI-001

VA FORM 08 - 6231

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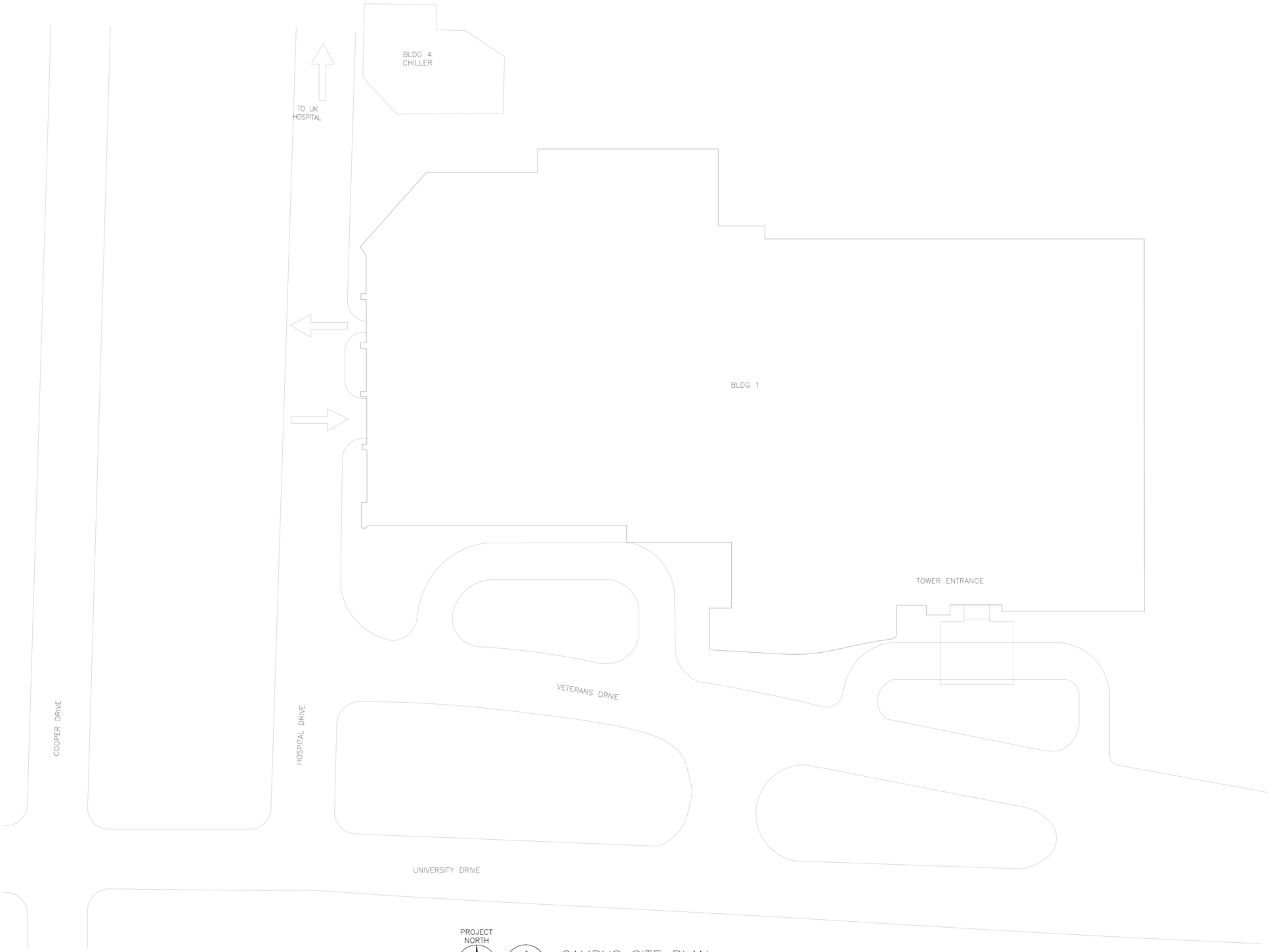

PROJECT NORTH

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1 GI-002 CAMPUS SITE PLAN

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

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Drawing Title: CAMPUS SITE PLAN	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: N/A
		Issue Date: 10/29/2025 / Checked: D.L.E. / Drawn: K.E.B.	Drawing Number: GI-002

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PHASING PLAN

THE INTENT OF THE PHASING FOR THIS CONSTRUCTION IS TO MINIMIZE OUTAGE PERIODS. ALL WORK SHALL BE COORDINATED WITH THE VA COR. SHUTDOWNS SHALL BE COORDINATED WITH THE STATION AT A MINIMUM OF 3 WEEKS PRIOR TO REQUESTED TIME.

TO MINIMIZE OUTAGE PERIODS ALL INSTALLATIONS TO BE COMPLETED UNDER THIS SCOPE SHALL BE COMPLETED TO THE FULLEST EXTENT PRIOR TO THE SHUT DOWN OF ANY EXISTING EQUIPMENT. ALL CONDUIT AND CONDUCTORS SHALL BE RUN FROM THE NEW DISTRIBUTION SOURCE TO EACH ASSOCIATED ENDPOINT DEVICE AND PREPARED FOR CONNECTION PRIOR TO ANY OUTAGES.

ALL OUTAGES SHALL BE SCHEDULED DURING WEEKEND/OFF-HOURS TO ENSURE MINIMAL INTERRUPTION TO FACILITY OPERATIONS.

CONTRACTOR SHALL ENSURE THAT AT THE END OF A PERIOD OF A SCHEDULE OUTAGE, ALL ASSOCIATED EQUIPMENT IS RETURNED TO OPERATIONAL STATUS.

CONSTRUCTION PHASING HOURS

ALL OUTAGES SHALL BE COMPLETED DURING NIGHT/WEEKEND HOURS TO MINIMIZE THE IMPACT TO OPERATIONS.

DAYTIME HOURS: 8:00 AM TO 6:00 PM
NIGHT HOURS: 6:00 PM TO 8:00 AM
WEEKEND HOURS: 6:00 PM FRIDAY TO 8:00 AM MONDAY

CONTRACTOR SHALL SUBMIT A DETAILED PHASING SCHEDULE TO THE VA COR AND A/E FOR REVIEW INCLUDING PERIOD OF PERFORMANCE AND ASSOCIATED AREAS.

OUTAGES SHALL BE COORDINATED WITH THE VA COR AND SCHEDULED DURING WEEKEND HOURS TO MINIMIZE IMPACT TO FACILITY OPERATIONS. CONTRACTOR REQUIRED TO SUBMIT ALL OUTAGE REQUESTS AT A MINIMUM OF 3 WEEKS PRIOR TO REQUESTED TIME.

NO WORK ON WEEKENDS AND HOLIDAYS WITHOUT VA NOTIFICATION TO MINIMIZE DISRUPTION TO STAFF.

FIRE PROTECTION PHASING NOTES

FOR ALL WORK, CONTRACTOR SHALL HAVE TEMPORARY POWER (PORTABLE GENERATOR) CONNECTION PREPARED IN THE EVENT THAT AN UNEXPECTED OUTAGE OCCURS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FUEL AND TEMPORARY CONNECTIONS FOR ASSOCIATED GENERATORS. GENERATOR LOCATION SHALL BE COORDINATED WITH VA COR PRIOR TO THE START OF WORK ON FIRE PUMP CONTROLLERS.

ANY OUTAGES REQUIRED FOR ASSOCIATED FIRE PUMPS/CONTROLLERS OR SOURCE DISTRIBUTION EQUIPMENT SHALL BE COORDINATED WITH THE VA COR AND VA FIRE DEPARTMENT.

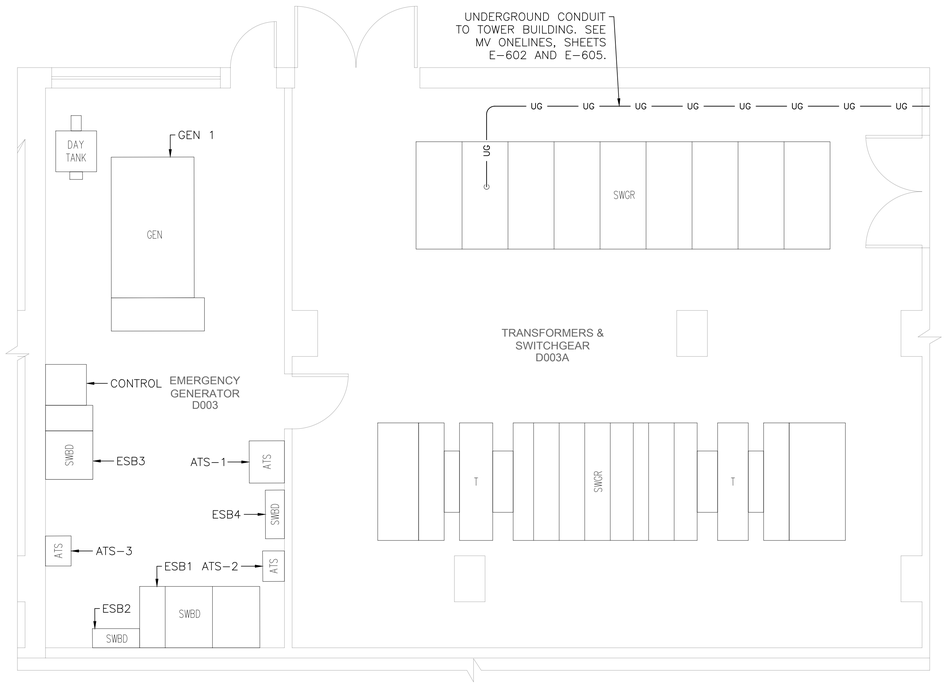
FOR ANY OUTAGES REQUIRED FOR THE ASSOCIATED EMERGENCY SOURCE DISTRIBUTION SWITCHBOARD, CONTRACTOR SHALL ENSURE TEMPORARY EMERGENCY POWER IS AVAILABLE FOR THE FIRE PUMPS AND ASSOCIATED DEVICES AT THIS TIME.

FOR THE REPLACEMENT OF THE ASSOCIATED FEEDERS TO FIRE PUMP CONTROLLERS, CONTRACTOR SHALL INSTALL NEW CONDUIT AND CONDUCTORS PRIOR TO ANY SCHEDULED OUTAGES. INSTALLATIONS SHALL BE COMPLETED TO THE FULLEST EXTENT POSSIBLE PRIOR TO MAKING TERMINATIONS AT THE ASSOCIATED LINE SIDE DISTRIBUTION EQUIPMENT (SEE ONE LINES FOR ADDITIONAL INFORMATION FOR ASSOCIATED EQUIPMENT).

FOLLOWING THE COMPLETION OF TERMINATIONS TO ASSOCIATED DISTRIBUTION EQUIPMENT, CONTRACTOR SHALL ENSURE FULL OPERATION OF FIRE PUMP CONTROLLER PRIOR TO THE DEMOLITION OF THE DISCONNECTED CONDUIT AND CONDUCTORS.

AT THE COMPLETION OF INSTALLATION, CONTRACTOR SHALL ENSURE A COMPLETE AND OPERATIONAL SYSTEM. ALL COMMISSIONING SHALL BE COMPLETED AT THIS TIME.

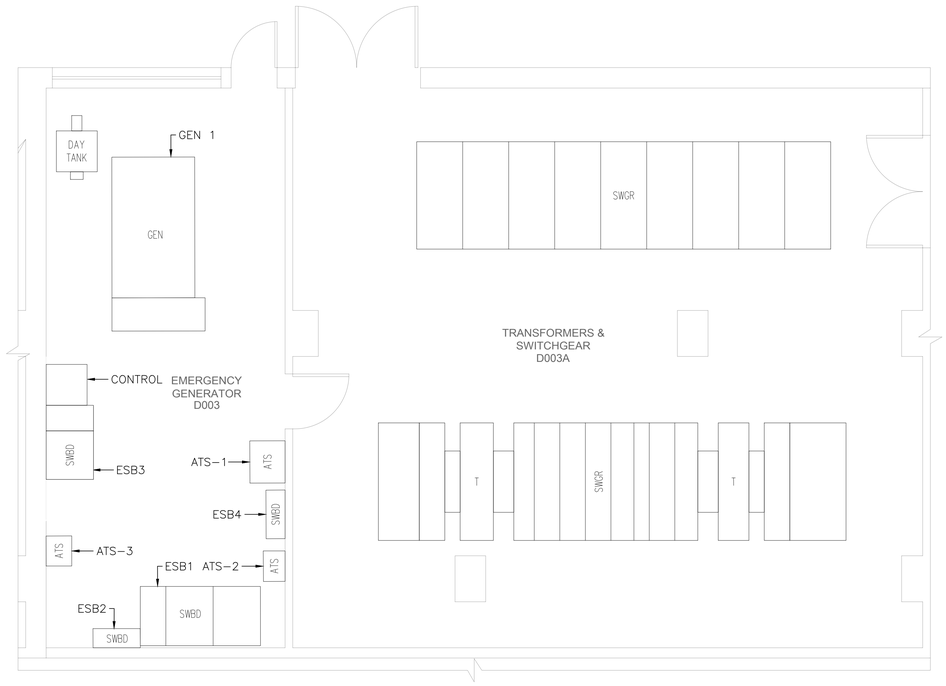
DURING CONSTRUCTION, CONTRACTOR PERSONNEL SHALL BE QUALIFIED TO OPERATE THE TRANSFER SWITCH MANUALLY IN THE EVENT THAT MANUAL OPERATION OF A TRANSFER TO ALTERNATE POWER SOURCE IS REQUIRED.



PROJECT NORTH

1 GC-001 LOW VOLTAGE EXISTING CONDITIONS

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



PROJECT NORTH

2 GC-001 LOW VOLTAGE PHASING PLAN 1

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

PHASE 1 NOTES

1. PRIOR TO DEMOLITION OF ANY ATS, OR SWITCHBOARD IN EMERGENCY GEN RM D003, CONTRACTOR SHALL PROVIDE A TEMPORARY SWITCHBOARD, ATS, AND GENERATOR TO UTILIZE DURING THE REPLACEMENT OF THE EQUIPMENT TO BE DEMOLISHED. CONTRACTOR SHALL LOCATE EQUIPMENT ON THE EXTERIOR OF THE BUILDING AND SHALL COORDINATE WITH THE VA COR FOR FINAL INSTALLATION LOCATION. ALL EQUIPMENT SHALL BE SECURED WITHIN A FENCED IN AREA WITH ACCESS CONTROL AS COORDINATED WITH VA COR. EXTERIOR EQUIPMENT SHALL BE A MINIMUM RATING OF NEMA 3R AND THE EXACT LOCATION SHALL BE COORDINATED ON SITE.
2. CONTRACTOR SHALL VERIFY ALL CONNECTED LOADS TO ASSOCIATED SWITCHBOARDS TO BE DEMOLISHED AND COORDINATE WITH VA COR FOR SCHEDULED OUTAGES OF EACH AREA FOR TEMPORARY CONNECTIONS TO BE MADE.

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: LOW VOLTAGE EXISTING CONDITIONS AND PHASING PLAN 1	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: 1
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: GC-001
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	

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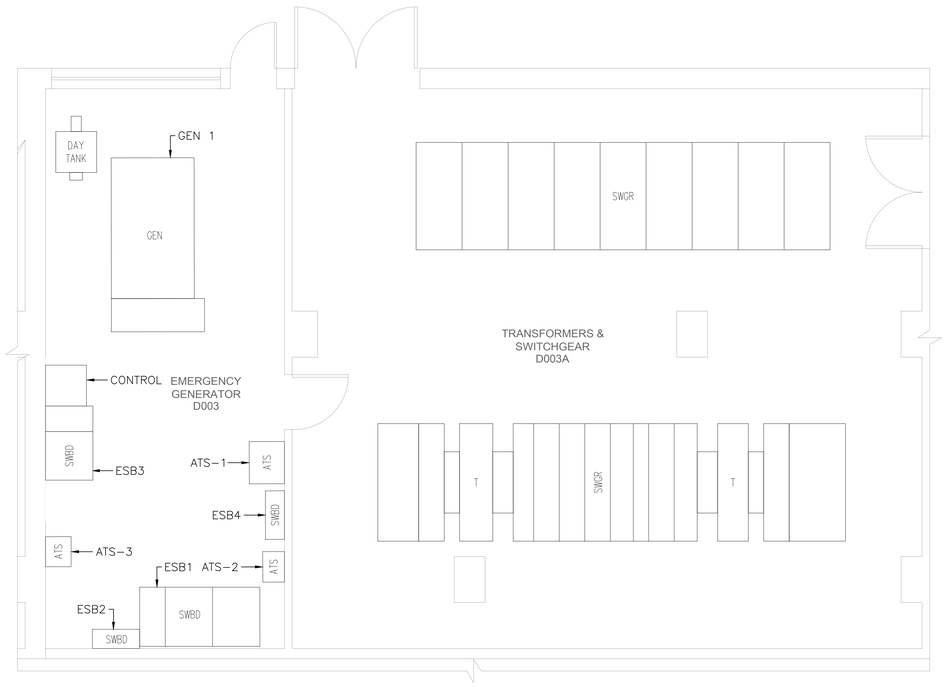

PROJECT NORTH

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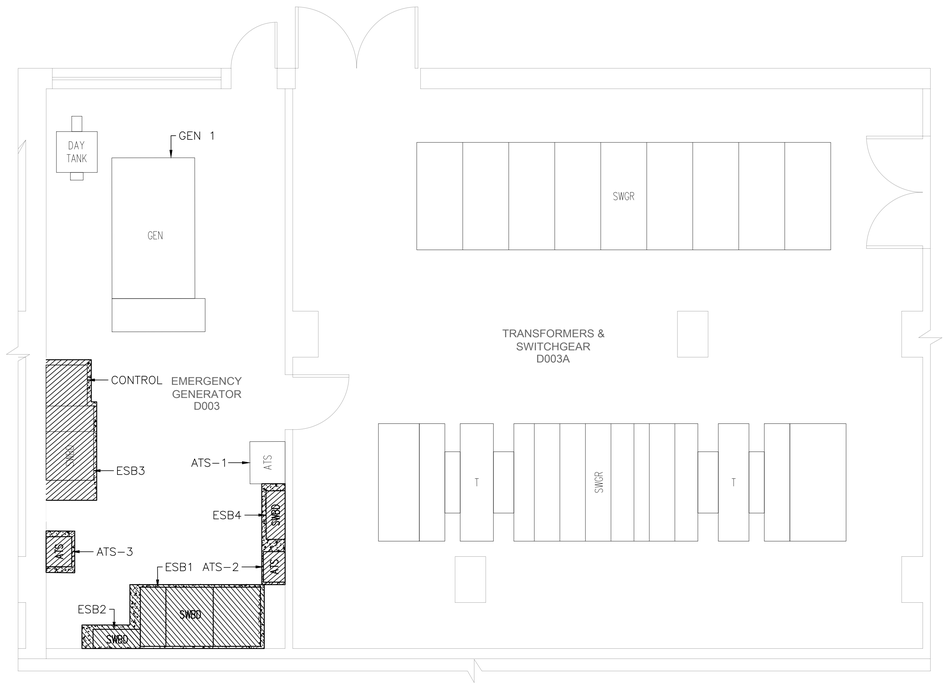
1 GC-002 LOW VOLTAGE PHASING PLAN 2

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



PROJECT NORTH

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2 GC-002 LOW VOLTAGE PHASING PLAN 3

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

PHASE 2 NOTES

SEQUENCE SHALL BE REPEATED FOR EACH ASSOCIATED ATS AND SWITCHBOARD. ONLY ONE ATS AND SWITCHBOARD SHALL BE REPLACED AT A TIME.

1. CONTRACTOR SHALL INSTALL NEW CONDUIT AND CONDUCTORS TO ASSOCIATED FEEDER AND LOAD SIDE EQUIPMENT FROM REPLACEMENT SWITCHBOARDS AND ATS'S. CONDUIT AND CONDUCTORS SHALL BE INSTALLED TO THE FULLEST EXTENT POSSIBLE WITHOUT TYING INTO THE NEW DISTRIBUTION EQUIPMENT AND WITHOUT ANY OUTAGES.
2. NEW EQUIPMENT AND CONNECTIONS SHALL BE PREPARED FOR INSTALLATION AND TEMPORARY CONNECTIONS SHALL BE PREPARED TO THE FULLEST EXTENT POSSIBLE AT THIS PHASE.
3. DURING THE REPLACEMENT OF THE GENERATOR CONTROL PANEL AND ESB3, CONTRACTOR SHALL PROVIDE TEMPORARY POWER TO SUPPORT EMERGENCY SYSTEMS DURING CONSTRUCTION. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS DETAILING THE CAPACITY AND THAT IT IS EQUIVALENT OR EXCEEDS THAT OF THE EXISTING EMERGENCY SYSTEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR FUEL FOR BOTH TEMPORARY SYSTEMS AND TO ENSURE AT THE COMPLETION OF CONSTRUCTION, FUEL STORAGE FOR THE EXISTING GENERATOR IS AT CAPACITY TO SUPPORT 96 HOURS OF RUN TIME. SEE ELECTRICAL ONE-LINES FOR ADDITIONAL INFORMATION.

PHASE 3 NOTES

SEQUENCE SHALL BE REPEATED FOR EACH ASSOCIATED ATS AND SWITCHBOARD. ONLY ONE ATS AND SWITCHBOARD SHALL BE REPLACED AT A TIME.

1. MAKE TEMPORARY CONNECTIONS TO ATS, SWITCHBOARD AND ASSOCIATED LOADS.
2. DEMOLISH EQUIPMENT SLATED FOR DEMOLITION AND ASSOCIATED CONDUIT AND CONDUCTORS.
3. DEMOLISH ASSOCIATED EQUIPMENT PADS AS REQUIRED FOR INSTALLATION OF NEW EQUIPMENT PADS.

Revisions:	Date:

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Drawing Title	Phase	Project Title	Project Number
LOW VOLTAGE PHASING PLANS 2 AND 3	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 1
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	Drawing Number: GC-002

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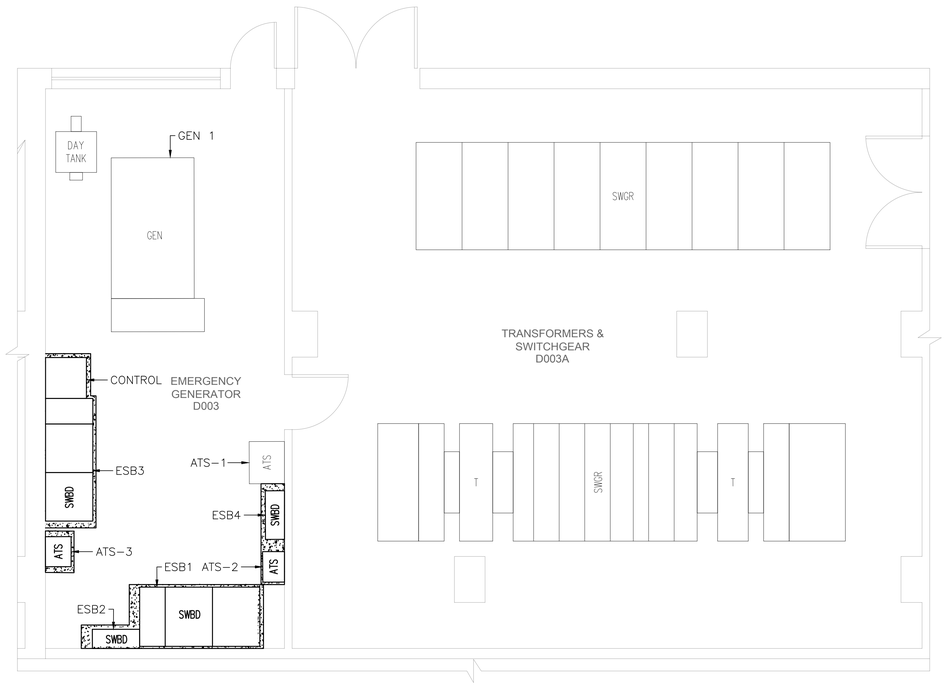

PROJECT NORTH

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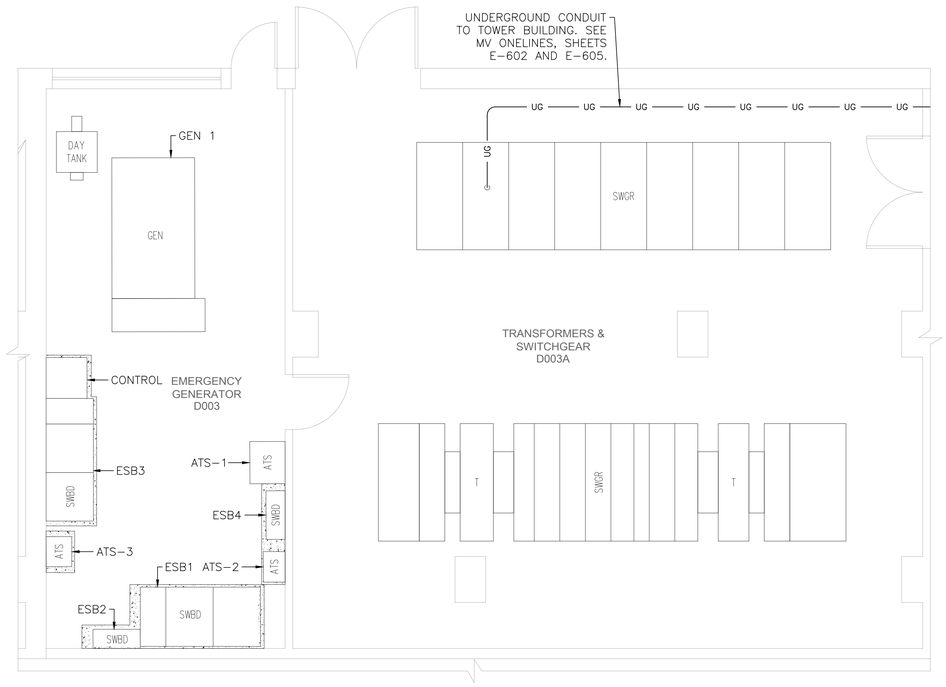
1 / GC-003

LOW VOLTAGE PHASING PLAN 4

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



PROJECT NORTH

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1 / GC-003

LOW VOLTAGE PHASING PLAN 5

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

PHASE 4 NOTES

SEQUENCE SHALL BE REPEATED FOR EACH ASSOCIATED ATS AND SWITCHBOARD. ONLY ONE ATS AND SWITCHBOARD SHALL BE REPLACED AT A TIME. (MAIN ESB 'ESB3' SHALL BE REPLACED FIRST)

1. PREPARE AND INSTALL NEW CONCRETE EQUIPMENT PADS.
2. INSTALL NEW SWITCHBOARD AND ATS AND TERMINATE CONNECTIONS FOR ALL CONDUIT AND CONDUCTORS THAT WERE PREPARED FOR CONNECTION IN PREVIOUS PHASES.
3. ATS AND SWITCHBOARD SHALL BE FULLY INSTALLED AND PREPARED FOR OPERATION. WHEN SWITCHBOARDS ESB1, ESB2, AND ESB4 ARE BEING REPLACED, THEY CAN BE PREPARED FOR OPERATION FROM A SPARE CIRCUIT BREAKER IN SWITCHBOARD ESB3 AND PREPARED TO BRING DOWNSTREAM PANELS INTO OPERATION SELECTIVELY TO MINIMIZE OVERALL EQUIPMENT OUTAGES.
4. AT THE END OF THIS PHASE, THE SWITCHBOARDS AND ASSOCIATED ATS'S SHALL BE PREPARED AND BROUGHT TO OPERATIONAL STATUS. CONTRACTOR SHALL ENSURE A COMPLETE AND OPERATING SYSTEM.

PHASE 5 NOTES

1. FOLLOWING THE REPLACEMENT OF ALL ASSOCIATED ATS'S AND SWITCHBOARDS IN PREVIOUS PHASES, CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ASSOCIATED TEMPORARY SWITCHBOARD, ATS, AND CONNECTIONS.
2. ALL SEQUENCING OF ASSOCIATED ATS'S SHALL BE CONFIRMED AT THIS STAGE AND EQUIPMENT SHALL BE TESTED TO ENSURE OPERATION.

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Drawing Title	Phase	Project Title	Project Number
LOW VOLTAGE PHASING PLANS 4 AND 5	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 1
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	Drawing Number: GC-003

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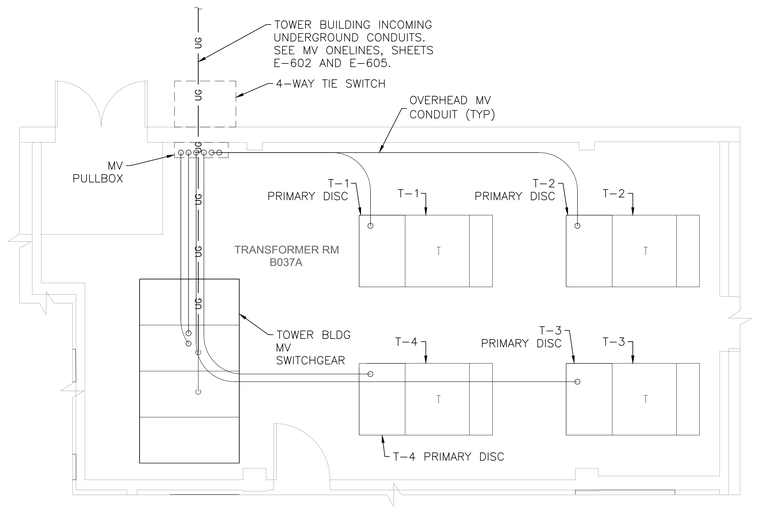

PROJECT NORTH

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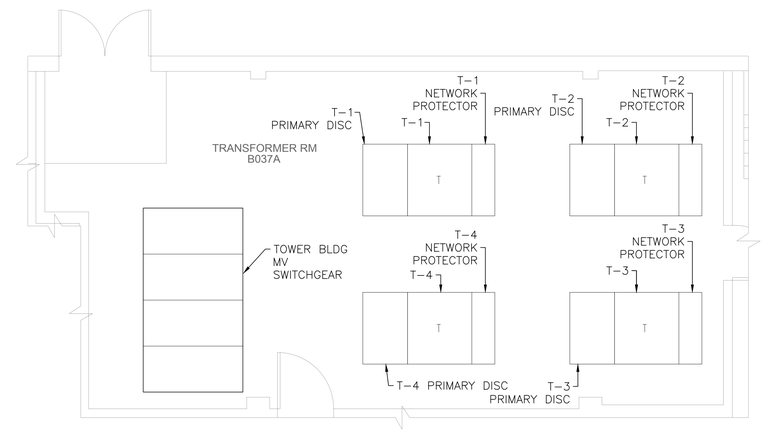
1 GC-004 TOWER BUILDING MVSG EXISTING CONDITIONS

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



PROJECT NORTH

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2 GC-004 TOWER BUILDING MVSG PHASING PLAN 1

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

PHASE 1 NOTES

1. PREPARE TEMPORARY FEED FOR FIRE PUMP. CONTRACTOR SHALL ENSURE THROUGHOUT THE DURATION OF CONSTRUCTION THAT THE FIRE PUMP REMAINS PREPARED FOR OPERATION AT ALL TIMES.
2. CONTRACTOR SHALL VERIFY ALL CONNECTIONS TO ASSOCIATED DEVICES PRIOR TO COMMENCEMENT OF WORK.
3. INSTALL ALL NEW CONDUIT AND CONDUCTORS TO THE FULLEST EXTENT WITHOUT ANY OUTAGES OR TERMINATIONS DURING THIS PHASE. ALL CONNECTIONS SHALL BE PREPARED FOR INSTALLATION.

Revisions:	Date:

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REGISTERED PROFESSIONAL ENGINEER No. PE045114E

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
TOWER BUILDING MVSG EXISTING CONDITIONS AND PHASING PLAN 1	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
			Building Number: 1
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: GC-004
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	

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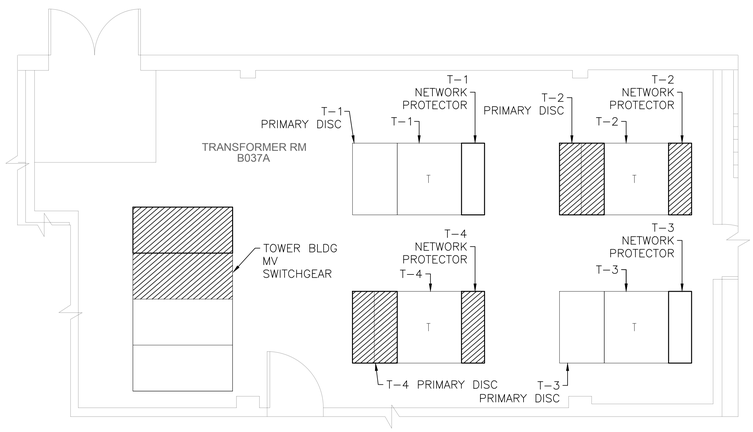


PROJECT NORTH

N

1 GC-005 TOWER BUILDING MVSG PHASING PLAN 2

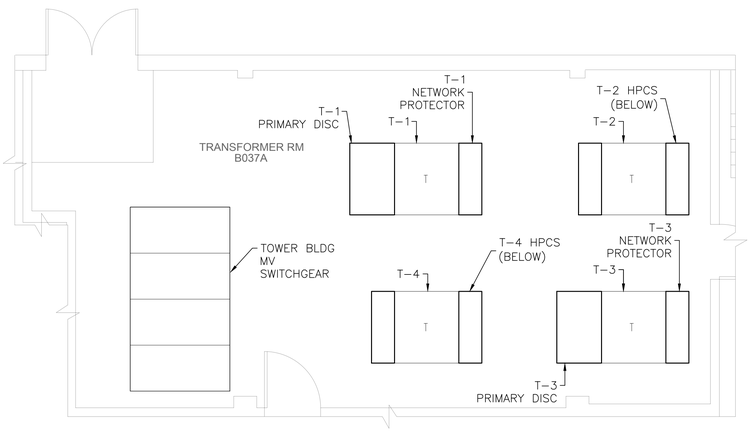
SCALE: 1/4"=1'-0"

PHASE 2 NOTES

NOTE: ONLY TWO BUS SECTIONS OF THE TOWER BLDG MVSG SHALL BE DEMOLISHED AT A TIME. THE FOLLOWING PHASES SHALL BE REPEATED FOR EACH SIDE OF THE SWITCHGEAR.

1. CONTRACTOR SHALL DEMOLISH BUS SECTIONS 1 AND 2 OF TOWER BUILDING MVSG AND T-2 AND T-4 PRIMARY DISCONNECTS.
2. CONTRACTOR SHALL DEMOLISH NETWORK PROTECTOR COMPONENTS OF NP-T2 AND NP-T4.

   NOTE: TIE BREAKER IN NEW TOWER BLDG MVSG SHALL NOT BE CONNECTED DURING THIS PHASE. THIS SHALL REMAIN DISCONNECTED UNTIL LATER PHASES WHEN BOTH SECTIONS OF THE MVSG ARE INSTALLED.



PROJECT NORTH

N

2 GC-005 TOWER BUILDING MVSG PHASING PLAN 3

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

PHASE 3 NOTES

NOTE: ONLY TWO BUS SECTIONS OF THE TOWER BLDG MVSG SHALL BE DEMOLISHED AT A TIME. THE FOLLOWING PHASES SHALL BE REPEATED FOR EACH SIDE OF THE SWITCHGEAR.

1. CONTRACTOR SHALL INSTALL NEW BUS SECTIONS 1 AND 2 OF TOWER BUILDING MVSG. PROVIDE CONNECTIONS FROM NEW CONDUIT AND CABLE TO XFMR T-2 AND XFMR T-4.
2. PREPARE TO RESTORE CONNECTION OF FIRE PUMP TO SECONDARY SIDE OF XFMR T-4.
3. CONTRACTOR SHALL INSTALL HIGH PRESSURE CONTACT SWITCH AND MOUNT WITHIN NETWORK PROTECTOR ENCLOSURE.

   NOTE: TIE BREAKER IN NEW TOWER BLDG MVSG SHALL NOT BE CONNECTED DURING THIS PHASE. THIS SHALL REMAIN DISCONNECTED UNTIL LATER PHASES WHEN ALL SECTIONS OF THE MVSG ARE INSTALLED.

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: TOWER BUILDING MVSG PHASING PLANS 2 AND 3	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: 1
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: GC-005
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	

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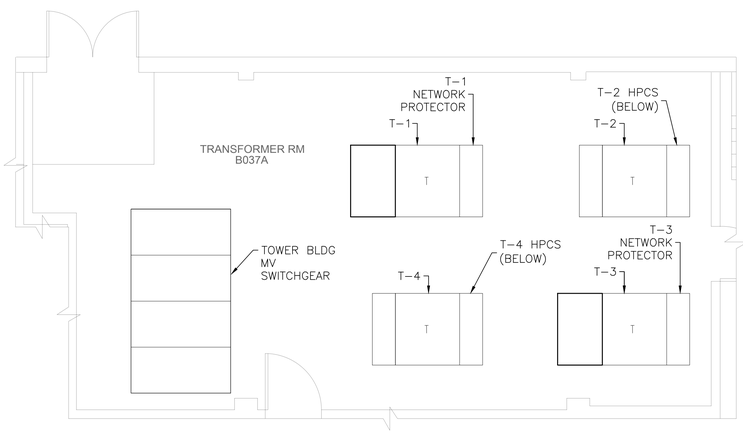
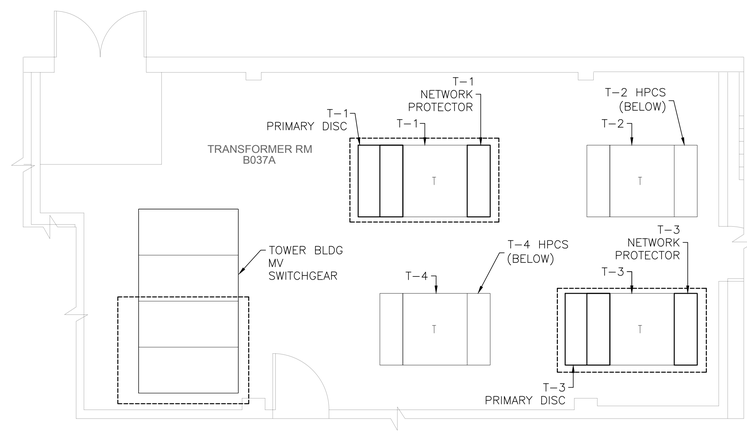


PROJECT NORTH

1 GC-006 TOWER BUILDING MVSG PHASING PLAN 4

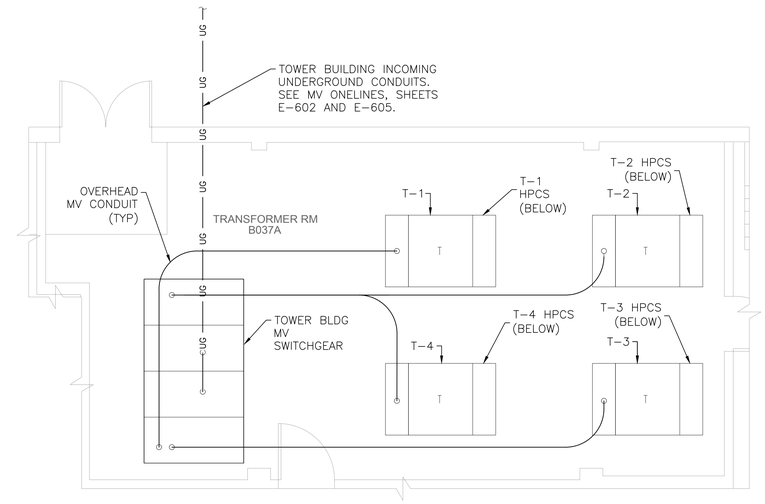
SCALE: 1/4"=1'-0"



PROJECT NORTH

2 GC-006 TOWER BUILDING MVSG PHASING PLAN 5

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



PROJECT NORTH

3 GC-006 TOWER BUILDING MVSG PHASING PLAN 6

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

PHASE 4 NOTES

NOTE: ONLY TWO BUS SECTIONS OF THE TOWER BLDG MVSG SHALL BE DEMOLISHED AT A TIME. THE FOLLOWING PHASES SHALL BE REPEATED FOR EACH SIDE OF THE SWITCHGEAR.

1. BRING NEW BUS SECTIONS 1 AND 2 OF TOWER BUILDING MVSG INTO OPERATION.
2. CONTRACTOR SHALL ENSURE ALL OPERATIONS ARE RESTORED AT THE COMPLETION OF THIS PHASE FOR BUS SECTIONS 1 AND 2 OF TOWER BUILDING MVSG.

   NOTE: TIE BREAKER IN NEW TOWER BLDG MVSG SHALL NOT BE CONNECTED DURING THIS PHASE THIS SHALL REMAIN DISCONNECTED UNTIL LATER PHASES WHEN ALL SECTIONS OF THE MVSG ARE INSTALLED.

PHASE 5 NOTE

1. REPEAT SEQUENCE OF PREVIOUS PHASES FOR BUS SECTIONS 2 AND 3 OF TOWER BUILDING MVSG AND T-1 AND T-3 DISCONNECTS AND NETWORK PROTECTORS.

PHASE 6 NOTES

1. CONNECT TIE FOR ASSOCIATED BUS SECTIONS OF NEW TOWER BUILDING MVSG.
2. ALL INSTALLATIONS, PROGRAMMING AND CONNECTIONS SHALL BE COMPLETE FOR THE UPGRADE OF MVSG SYSTEMS UNDER THIS SCOPE AT THE COMPLETION OF THIS PHASE. CONTRACTOR SHALL ENSURE A COMPLETE AND OPERATIONAL SYSTEM.

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
TOWER BUILDING MVSG PHASING PLANS 4, 5, AND 6	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 1
		Issue Date: 10/29/2025 / Checked: D.L.E. / Drawn: T.C.M.	Drawing Number: GC-006

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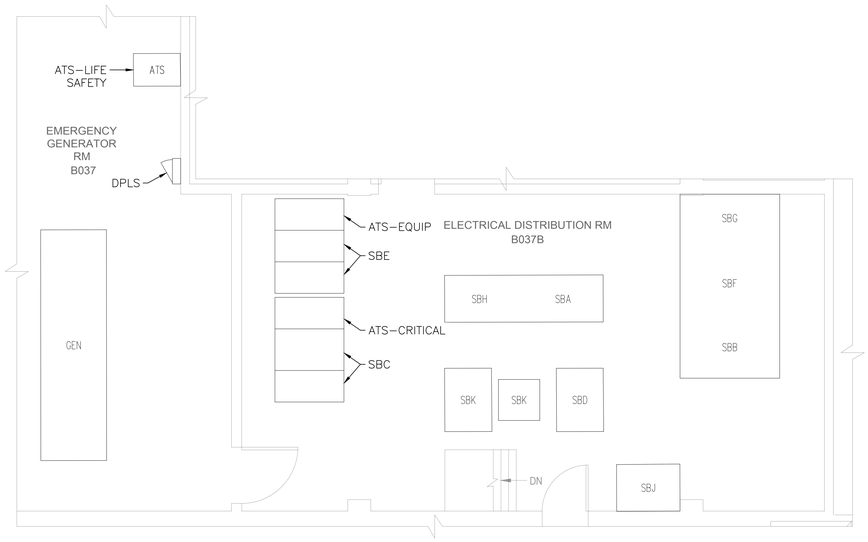
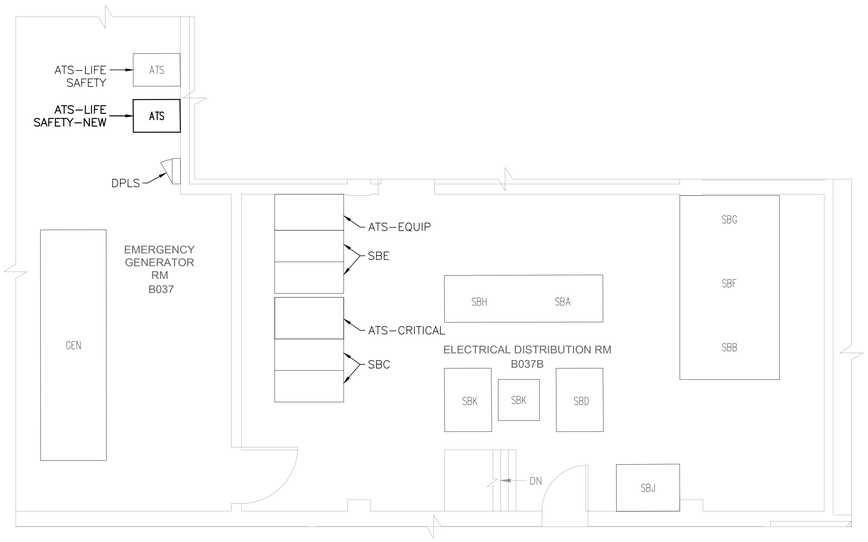


PROJECT NORTH

1 / GC–007 TOWER BUILDING LVSG EXISTING CONDITIONS

SCALE: 1/4"=1'–0"



PROJECT NORTH

2 / GC–007 TOWER BUILDING LVSG PHASING PLAN 1

SCALE: 1/4"=1'–0"

PHASE 1 NOTES

1. INSTALL NEW ATS–LIFE SAFETY.
2. PREPARE ALL CONDUIT, CONDUCTORS AND CONNECTIONS FOR NEW ATS TO THE FULLEST EXTENT WITHOUT AN OUTAGE DURING THIS PHASE. THE INTENT IS TO FULLY PREPARE THE NEW ATS AND ALL CONNECTIONS FOR INSTALLATION.
   NOTE: THE FOLLOWING PHASES SHALL BE REPEATED FOR ATS–CRITICAL FOLLOWING THE COMPLETION OF INSTALLATION OF ATS–EQUIP, WHERE ATS–EQUIP AND ASSOCIATED SWITCHBOARD SBE ARE BROUGHT FULLY INTO OPERATIONAL STATUS.
3. INSTALL TEMPORARY ATS AND SWITCHBOARD FOR USE DURING REPLACEMENT OF ATS–EQUIP. MAKE ALL CONNECTIONS TO TEMPORARY EQUIPMENT TO ENSURE DOWNSTREAM DEVICES REMAIN OPERATIONAL. EXACT LOCATION FOR INSTALLATION OF TEMPORARY DISTRIBUTION EQUIPMENT TO BE COORDINATED ON SITE PENDING SELECTION OF THE TEMPORARY DISTRIBUTION EQUIPMENT BY CONTRACTOR.

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
TOWER BUILDING LVSG EXISTING CONDITIONS AND PHASING PLAN 1	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 1
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: K.E.B.	Drawing Number: GC-007

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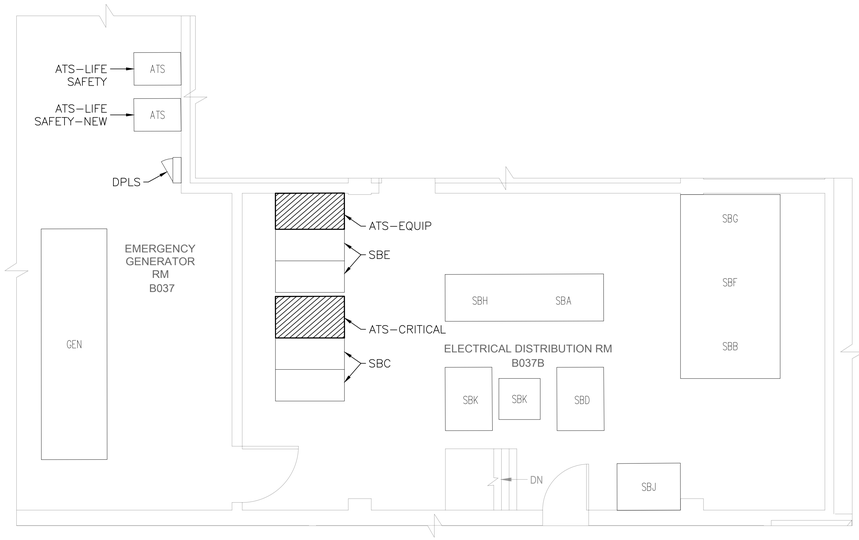


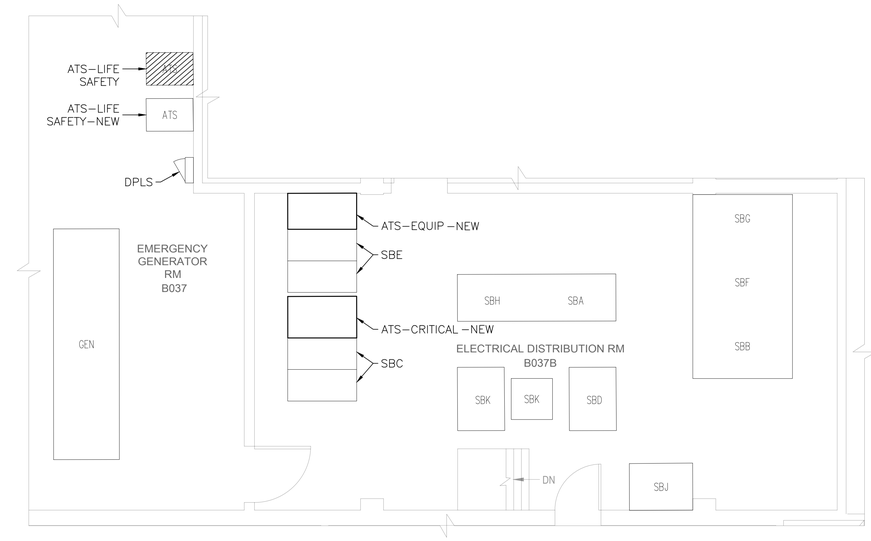
PROJECT NORTH

1 GC–008 TOWER BUILDING LVSG PHASING PLAN 2

SCALE: 1/4"=1'–0"

PHASE 2 NOTES

1. MAKE CONNECTIONS ON LINE AND LOAD SIDE OF NEW ATS–LIFE SAFETY.
2. ATS–LIFE SAFETY SHALL BE FULLY OPERATIONAL AT THE COMPLETION OF THIS PHASE AND ALL SYSTEMS SHALL BE INTACT.
3. CONTRACTOR SHALL ENSURE THAT ALL PROGRAMMING FOR THE ASSOCIATED ATS IS COMPLETE AND FULLY OPERATIONAL DURING THIS PHASE.
   NOTE: THE FOLLOWING PHASES SHALL BE REPEATED FOR ATS–CRITICAL FOLLOWING THE COMPLETION OF INSTALLATION OF ATS–EQUIP, WHERE ATS–EQUIP AND ASSOCIATED SWITCHBOARD SBE ARE BROUGHT FULLY INTO OPERATIONAL STATUS.
4. DEMOLISH EXISTING ATS–EQUIP. THE EXISTING CABINET IS TO REMAIN. THE EXISTING BUS CONNECTION TO ASSOCIATED SWITCHBOARD SBE IS TO BE MAINTAINED.
5. ASSOCIATED CABINET IS TO BE CLEANED AND PREPARED FOR INSTALLATION OF NEW ATS.
6. BUS SHALL BE PREPARED TO ACCEPT CONNECTION OF NEW ATS.
7. DOOR OF EXISTING ATS CABINET IS TO BE DEMOLISHED AND PREPARED FOR REPLACEMENT.



PROJECT NORTH

2 GC–008 TOWER BUILDING LVSG PHASING PLAN 3

SCALE: 1/4"=1'–0"

PHASE 3 NOTES

1. DEMOLISH OBSOLETE ATS–LIFE SAFETY.
   NOTE: THE FOLLOWING PHASES SHALL BE REPEATED FOR ATS–CRITICAL FOLLOWING THE COMPLETION OF INSTALLATION OF ATS–EQUIP, WHERE ATS–EQUIP AND ASSOCIATED SWITCHBOARD SBE ARE BROUGHT FULLY INTO OPERATIONAL STATUS.
2. INSTALL NEW ATS CABINET DOOR WITH ASSOCIATED ATS CONTROLS.
3. INSTALL NEW RETROFIT ATS AND CONNECT TO EXISTING SWITCHBOARD.
4. PREPARE NEW ATS FOR ALL FEEDER CONNECTIONS.

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VA U.S. Department of Veterans Affairs

Drawing Title: TOWER BUILDING LVSG PHASING PLANS 2 AND 3	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: 1
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: GC-008
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: K.E.B.	

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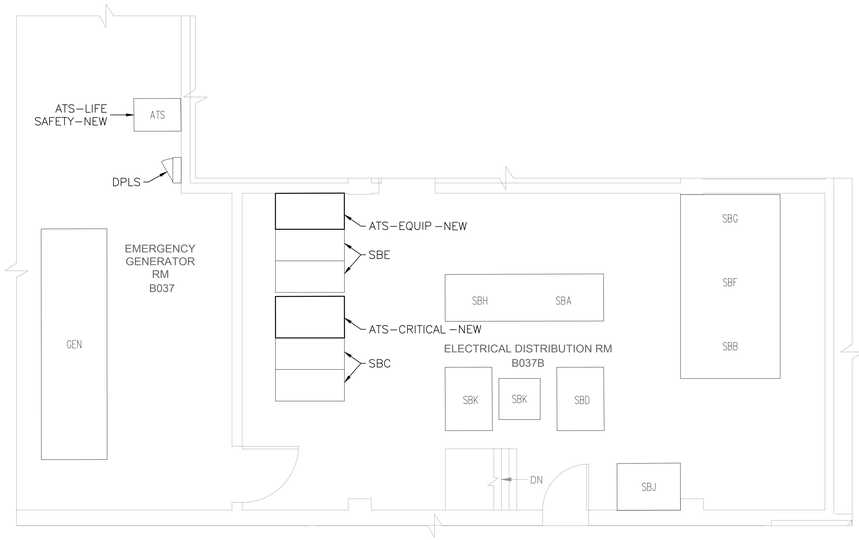


PROJECT NORTH

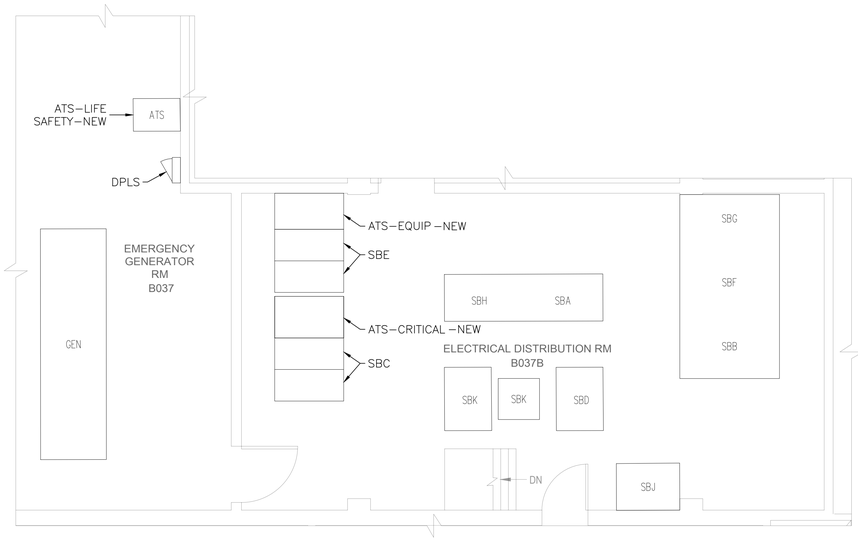
1 / GC–009 TOWER BUILDING LVSG PHASING PLAN 4

SCALE: 1/4"=1'–0"

PHASE 4 NOTE

NOTE: THE FOLLOWING PHASES SHALL BE REPEATED FOR ATS–CRITICAL FOLLOWING THE COMPLETION OF INSTALLATION OF ATS–EQUIP, WHERE ATS–EQUIP AND ASSOCIATED SWITCHBOARD SBE ARE BROUGHT FULLY INTO OPERATIONAL STATUS.

1. CONNECT ATS–EQUIP TO FEEDER CONDUIT AND CONDUCTORS. CONTRACTOR SHALL ENSURE A COMPLETE AND OPERATIONAL SYSTEM AT THE COMPLETION OF THIS PHASE. ALL ATS SEQUENCING AND PROGRAMMING SHALL BE COMPLETE AT THIS PHASE.



PROJECT NORTH

2 / GC–009 TOWER BUILDING LVSG PHASING PLAN 5

SCALE: 1/4"=1'–0"

PHASE 5 NOTE

NOTE: THE FOLLOWING PHASES SHALL BE REPEATED FOR ATS–CRITICAL FOLLOWING THE COMPLETION OF INSTALLATION OF ATS–EQUIP, WHERE ATS–EQUIP AND ASSOCIATED SWITCHBOARD SBE ARE BROUGHT FULLY INTO OPERATIONAL STATUS.

1. AT THE COMPLETION OF PREVIOUS PHASES FOR BOTH ATS–EQUIP AND ATS–CRITICAL, REMOVE TEMPORARTY ATS AND SWITCHBOARD.

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STATE OF PENNSYLVANIA
No. PE045114E

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: TOWER BUILDING LVSG PHASING PLANS 4 AND 5	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: 1
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: GC-009
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: K.E.B.	

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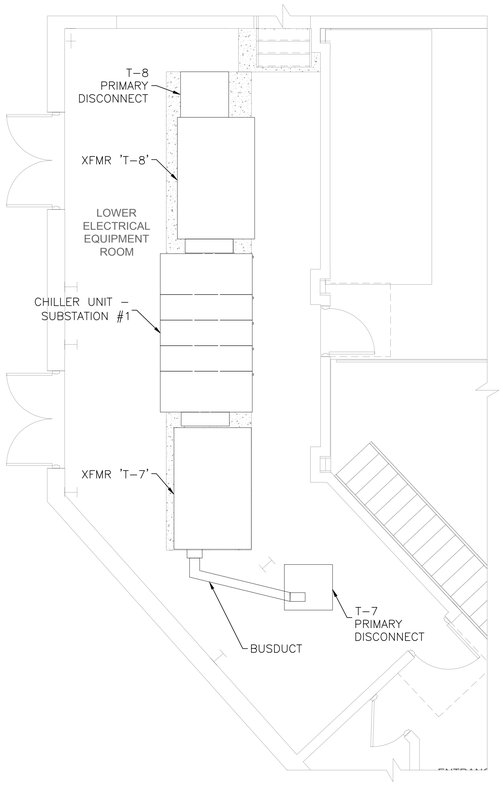
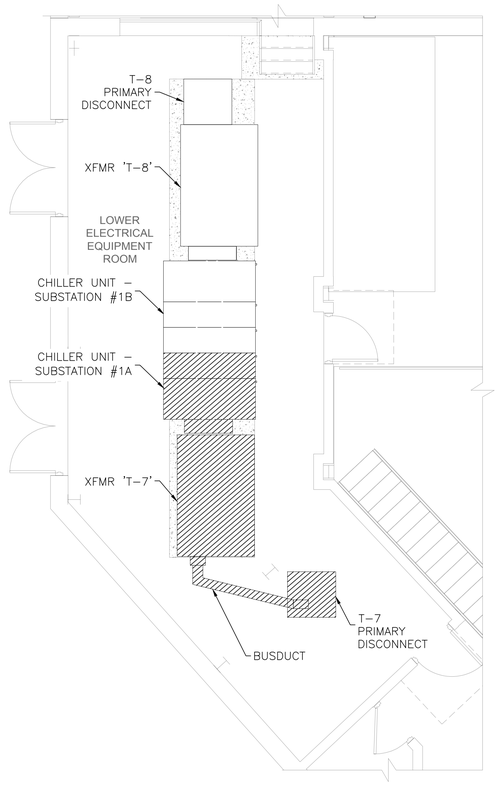


PROJECT NORTH

1 / GC–010 BUILDING 4 MEZZANINE EXISTING CONDITIONS

SCALE: 1/4"=1'–0"



PROJECT NORTH

2 / GC–010 BUILDING 4 MEZZANINE PHASING PLAN 1

SCALE: 1/4"=1'–0"

PHASE 1 NOTES

1. COORDINATE WITH VA COR FOR THE SHUTDOWN OF EXISTING SWITCHBOARD BUS 1A ONLY. PRIOR TO ANY WORK, TRANSFER/VERIFY ALL REQUIRED CHILLER PLANT LOADS ONTO BUS 1B AND MAINTAIN CONTINUOUS OPERATION. PROVIDE TEMPORARY POWER AS NEEDED TO AVOID INTERRUPTION TO PLANT OPERATIONS.
2. IMPLEMENT LOCKOUT/TAGOUT, NFPA 70E PPE, AND TEST FOR ABSENCE OF VOLTAGE BEFORE STARTING WORK ON BUS 1A.
3. PROVIDE TEMPORARY CONNECTIONS TO RELOCATE LOADS TO ALTERNATE SIDE OF BUS (BUS 1B) TO ENSURE DOWNSTREAM DEVICES REMAIN OPERATIONAL DURING DEMOLITION OF BUS 1A.
4. DEMOLISH EXISTING SWITCHBOARD BUS 1A, ASSOCIATED TRANSFORMER AND PRIMARY DISCONNECT. THE CONTRACTOR SHALL MAINTAIN BUS 1B ENERGIZED AND OPERATIONAL AT ALL TIMES DURING THIS PHASE. THE TIE BREAKER SHALL REMAIN IN ITS NORMAL POSITION (NO PARALLELING OF SOURCES) UNLESS SPECIFICALLY AUTHORIZED IN WRITING BY THE VA. ANY FULL MTM OUTAGE (I.E., LOSS OF BOTH MAINS OR TIE) SHALL BE COORDINATED WITH THE VA UNDER A FORMAL OUTAGE PLAN AND SCHEDULED TO MINIMIZE IMPACT TO FACILITY OPERATIONS.

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 4 MEZZANINE EXISTING CONDITIONS AND PHASING PLAN 1	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: 4
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: GC-010
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	

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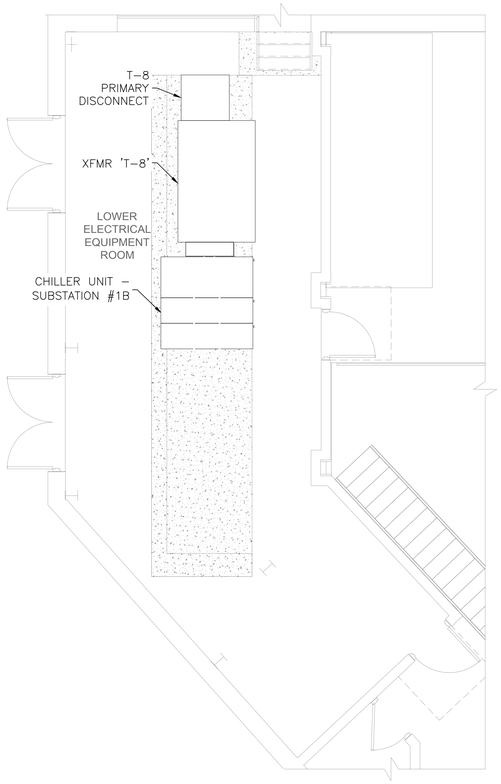


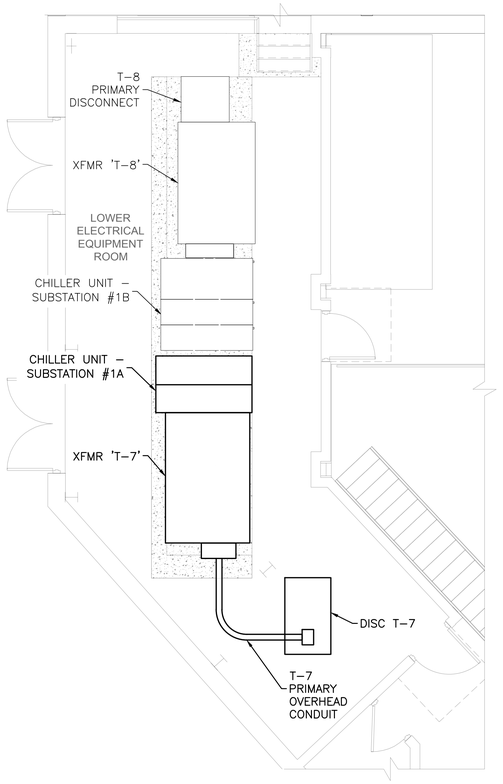
PROJECT NORTH

1 GC–011 BUILDING 4 MEZZANINE PHASING PLAN 2

SCALE: 1/4"=1'–0"

PHASE 2 NOTES

1. PREPARE SPACE FOR INSTALLATION OF NEW SWITCHBOARD 1A, ASSOCIATED TRANSFORMER, AND PRIMARY DISCONNECT.
2. ALL CONNECTIONS SHALL BE PREPARED FOR CONNECTION TO NEW UNIT SUBSTATION (SIDE 1A) TO THE FULLEST EXTENT.



PROJECT NORTH

2 GC–011 BUILDING 4 MEZZANINE PHASING PLAN 3

SCALE: 1/4"=1'–0"

PHASE 3 NOTES

1. INSTALL NEW SWITCHBOARD 1A, ASSOCIATED TRANSFORMER, AND PRIMARY DISCONNECT. PROVIDE FOUNDATIONS, RACEWAYS, GROUNDING/BONDING, AND TEMPORARY POWER AS REQUIRED.
2. MAKE ALL CONNECTIONS TO SOURCE DISTRIBUTION (LINE SIDE) AND LOAD SIDE EQUIPMENT SERVED BY 1A. COMPLETE TERMINATIONS, TORQUE/MEGGER TESTS, AND EQUIPMENT STARTUP CHECKS.
3. COMMISSION AND PLACE 1A IN SERVICE. PERFORM FUNCTIONAL TESTS, VERIFY PROTECTIVE DEVICE/RELAY SETTINGS PER APPROVED TCC/COORDINATION STUDY, AND APPLY UPDATED ARC–FLASH LABELS.
4. VERIFY CHILLER PLANT SUBSTATION SIDE 1A IS FULLY OPERATIONAL AND CAPABLE OF SUPPORTING ALL ASSOCIATED LOADS DURING THE SUBSEQUENT REPLACEMENT OF SWITCHBOARD 1B, ITS TRANSFORMER, AND PRIMARY DISCONNECT. MAINTAIN ONE SIDE ENERGIZED AT ALL TIMES UNLESS A VA–APPROVED OUTAGE IS IN EFFECT.
5. COORDINATE ALL OUTAGES WITH VA COR; IMPLEMENT LOTO AND NFPA 70E PROCEDURES.
6. TIE BREAKER TO REMAIN IN NORMALLY OPEN POSITION.
7. SUBMIT STARTUP/TEST REPORTS AND SETTINGS FILES FOR VA REVIEW PRIOR TO LOAD TRANSFER.

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VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BUILDING 4 MEZZANINE PHASING PLANS 2 AND 3	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 4
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	Drawing Number: GC-011

File Path

VA FORM 08 - 6231

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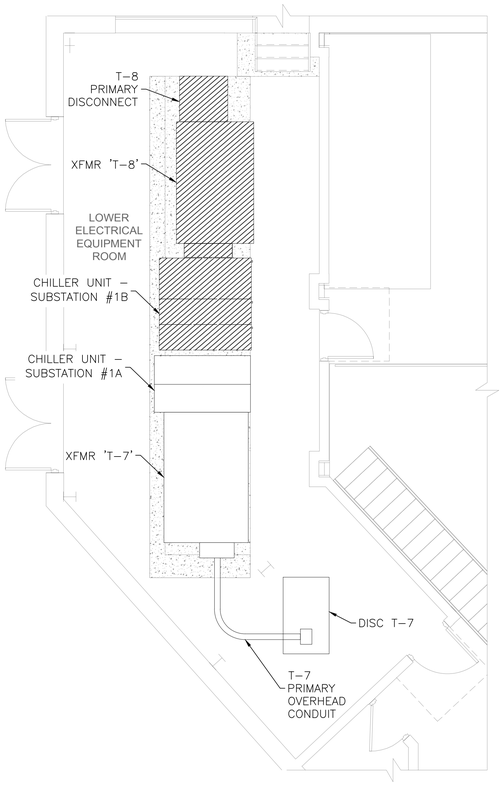
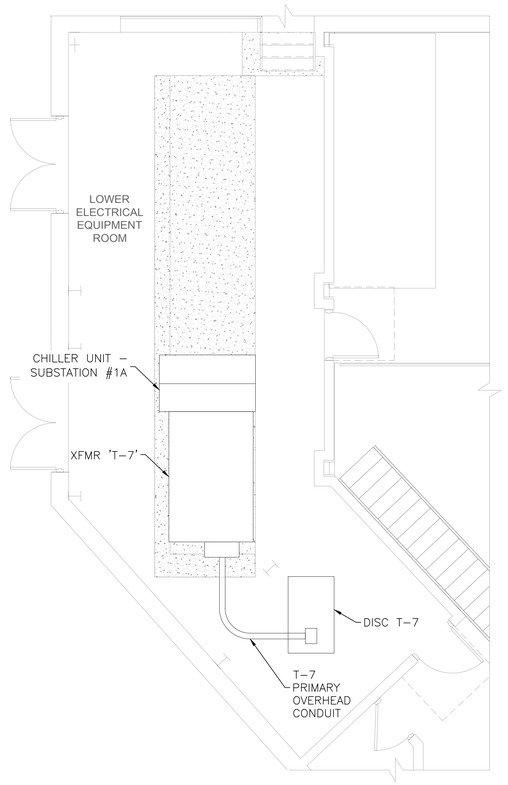


PROJECT NORTH

1 GC–012 BUILDING 4 MEZZANINE PHASING PLAN 4

SCALE: 1/4"=1'–0"



PROJECT NORTH

2 GC–012 BUILDING 4 MEZZANINE PHASING PLAN 5

SCALE: 1/4"=1'–0"

PHASE 4 NOTES

1. COORDINATE WITH VA COR FOR THE SHUTDOWN OF EXISTING SWITCHBOARD BUS 1B ONLY. PRIOR TO ANY WORK, TRANSFER/VERIFY ALL REQUIRED CHILLER PLANT LOADS ONTO BUS 1A AND MAINTAIN CONTINUOUS OPERATION. PROVIDE TEMPORARY POWER AS NEEDED TO AVOID INTERRUPTION TO PLANT OPERATIONS.
2. IMPLEMENT LOCKOUT/TAGOUT, NFPA 70E PPE, AND TEST FOR ABSENCE OF VOLTAGE BEFORE STARTING WORK ON BUS 1B.
3. PROVIDE TEMPORARY CONNECTIONS TO RELOCATE LOADS TO ALTERNATE SIDE OF BUS (BUS 1A) TO ENSURE DOWNSTREAM DEVICES REMAIN OPERATIONAL DURING DEMOLITION OF BUS 1B.
4. DEMOLISH EXISTING SWITCHBOARD BUS 1B, ASSOCIATED TRANSFORMER AND PRIMARY DISCONNECT. THE CONTRACTOR SHALL MAINTAIN BUS 1A ENERGIZED AND OPERATIONAL AT ALL TIMES DURING THIS PHASE. THE TIE BREAKER SHALL REMAIN IN ITS NORMAL POSITION (NO PARALLELING OF SOURCES) UNLESS SPECIFICALLY AUTHORIZED IN WRITING BY THE VA. ANY FULL MTM OUTAGE (I.E., LOSS OF BOTH MAINS OR TIE) SHALL BE COORDINATED WITH THE VA UNDER A FORMAL OUTAGE PLAN AND SCHEDULED TO MINIMIZE IMPACT TO FACILITY OPERATIONS.

PHASE 5 NOTES

1. PREPARE SPACE FOR INSTALLATION OF NEW SWITCHBOARD 1B, ASSOCIATED TRANSFORMER, AND PRIMARY DISCONNECT.
2. ALL CONNECTIONS SHALL BE PREPARED FOR CONNECTION TO NEW UNIT SUBSTATION (SIDE 1B) TO THE FULLEST EXTENT.

Revisions:	Date:

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REGISTERED PROFESSIONAL ENGINEER No. PE045114E

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BUILDING 4 MEZZANINE PHASING PLANS 4 AND 5	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 4
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	Drawing Number: GC-012

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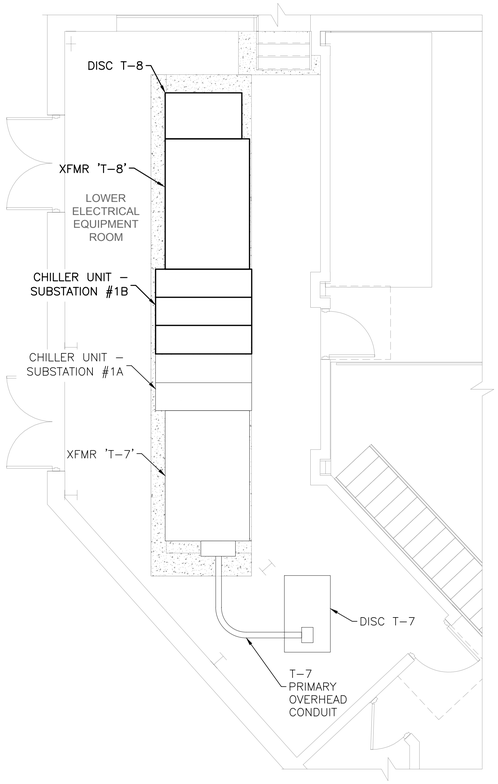
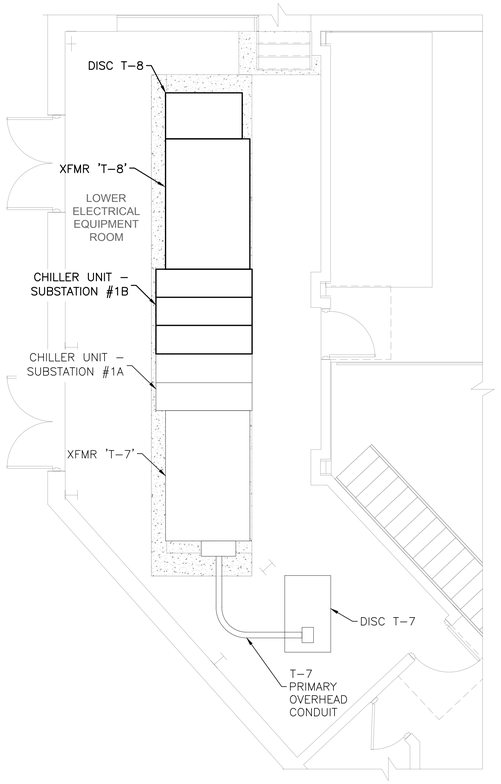


PROJECT NORTH

1 GC-013 BUILDING 4 MEZZANINE PHASING PLAN 6

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



PROJECT NORTH

2 GC-013 BUILDING 4 MEZZANINE PHASING PLAN 7

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

PHASE 6 NOTES

1. INSTALL NEW SWITCHBOARD 1B, ASSOCIATED TRANSFORMER, AND PRIMARY DISCONNECT. PROVIDE FOUNDATIONS, RACEWAYS, GROUNDING/BONDING, AND TEMPORARY POWER AS REQUIRED.
2. MAKE ALL CONNECTIONS TO SOURCE DISTRIBUTION (LINE SIDE) AND LOAD SIDE EQUIPMENT SERVED BY 1B. COMPLETE TERMINATIONS, TORQUE/MEGGER TESTS, AND EQUIPMENT STARTUP CHECKS.
3. COMMISSION AND PLACE 1B IN SERVICE. PERFORM FUNCTIONAL TESTS, VERIFY PROTECTIVE DEVICE/RELAY SETTINGS PER APPROVED TCC/COORDINATION STUDY, AND APPLY UPDATED ARC-FLASH LABELS.
4. VERIFY CHILLER PLANT SUBSTATION SIDE 1B IS FULLY OPERATIONAL AND CAPABLE OF SUPPORTING ALL ASSOCIATED LOADS.
5. COORDINATE ALL OUTAGES WITH VA COR; IMPLEMENT LOTO AND NFPA 70E PROCEDURES.
6. TIE BREAKER TO REMAIN IN NORMALLY OPEN POSITION;
7. SUBMIT STARTUP/TEST REPORTS AND SETTINGS FILES FOR VA REVIEW PRIOR TO LOAD TRANSFER.

PHASE 7 NOTES

1. AT THE END OF THIS PHASE, THE SWITCHBOARD SHALL BE IN FULLY OPERATIONAL STATUS. CONTRACTOR SHALL ENSURE A COMPLETE AND OPERATING SYSTEM AT THE COMPLETION OF OPERATION.

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BUILDING 4 MEZZANINE PHASING PLANS 6 AND 7	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 4
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	Drawing Number: GC-013

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ICRA GENERAL REQUIREMENTS

1. CONTRACTOR TO COMPLY WITH ICRA REQUIREMENTS FOR WORK IN HOSPITAL BUILDING THROUGH–OUT DEMOLITION AND CONSTRUCTION PERIOD.
2. PROVIDE TEMPORARY PLASTIC STARC PANELS FROM FLOOR TO UNDERSIDE OF DECK ABOVE TO SEAL AGAINST THE MIGRATION OF DUST AND DIRT ALONG ALL PATHS OF TRAVEL BETWEEN AREA OF WORK AND ADJACENT OCCUPIED AREAS. WHERE FIRE RATED PARTITIONS ARE REQUIRED, PARTITIONS SHALL BE INSTALLED TO DECKING ABOVE.
3. PROVIDE PARTITIONS, AS REQUIRED ALONG THE PERIMETER BETWEEN AREA OF WORK AND EXISTING AREA TO REMAIN. PARTITIONS TO BE FROM FLOOR TO UNDERSIDE OF DECK ABOVE AND SEALED ALONG PERIMETER TO PREVENT MIGRATION OF DUST AND DIRT, WHERE TEMPORARILY NOT INSTALLED.
4. MAINTAIN NEGATIVE AIR PRESSURE WITHIN AREA OF WORK FOR DURATION OF DEMOLITION AND CONSTRUCTION ACTIVITIES.
5. BUILDING WILL BE CONTINUOUSLY OCCUPIED DURING CONSTRUCTION DURATION. MAINTAIN ACCESS TO STAIR EXITS AND FROM EXITS TO EXTERIOR.
6. PROVIDE STICKY WALK OFF MATS ON BOTH SIDES OF ALL DOORS AND REPLACE AS NECESSARY WHEN DIRTY.
7. ALL FLOOR OR UNDERSIDE OF DECK HOLES EXPOSED OR CREATED DURING DEMOLITION/CONSTRUCTION WILL BE SEALED IMMEDIATELY.
8. AS THE PERIMETER FLOOR EDGE IS EXPOSED, ANY OPENING AT THE SLAB EXTERIOR WALL SHALL BE SEALED IMMEDIATELY.
9. PROVIDE SWEEPS AND VERTICAL ASTRAGALS ON ALL ICRA DOORS AND STAIR TOWER DOORS.
10. EXISTING SMOKE DETECTORS WILL BE CONVERTED TO HEAT DETECTORS AND MAINTAINED DURING CONSTRUCTION PERIOD.
11. MAINTAIN EGRESS TO ALL EXIT STAIR TOWERS AT ALL TIMES.
12. COORDINATE WITH COR ANY MEP SHUTDOWNS THAT MAY BE REQUIRED.
13. TEMPORARY CONTAINMENT MEASURES PROVIDED MUST MEET HOSPITAL ICRA REQUIREMENTS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL TEMPORARY CONTAINMENT MEASURES FOR EACH CLASS AND AREA. APPROVAL MUST BE OBTAINED BEFORE ANY WORK CAN BEGIN.

ICRA GENERAL NOTE

1. ALL WORK SHALL BE COORDINATED WITH THE VA COR AND ICRA PERSONNEL. ICRA CLASS SHALL BE VERIFIED PRIOR TO THE START OF CONSTRUCTION.

Lexington VA Medical Center
Infection Control Risk Assessment (ICRA)

Project #: 596A4–24–101
Project Name: REPLACE MAIN ELECTRICAL DISTRIBUTION
Date: 10/29/2025

Step 1. Use the following chart to identify the **Type of Construction Project Activity (Type A-D)**

Type A	**Inspect and Non-invasive Activities:** Includes, but not limited to: Removal of ceiling tiles for visual inspection limited to 1 tile per 50 square feet Painting (but not sanding) Wall covering, electrical trim work, minor plumbing, and activities which do not generate dust or require cutting of walls or access to ceilings other than for visual inspection
Type B	**Small scale, short duration activities which create minimal dust:** Includes, but not limited to: Installation of telephone and computer cabling Access to chase spaces Cutting of walls or ceiling where dust migration can be controlled
Type C	**Work that generates a moderate to high level of dust or requires demolition or removal of any fixed building components or assemblies:** Includes, but not limited to: Sanding of walls for painting or wall covering Removal of floor covering, ceiling tiles and casework New wall construction Minor duct work or electrical work above ceilings Major cabling activities Any activity which cannot be completed within a single work shift
Type D	**Major demolition and construction projects:** Includes, but not limited to: Activities that require consecutive work shifts. Requires heavy demolition or removal of a complete cabling system. New construction

Is it likely the Contractor's staff will be placed at risk for infection with tuberculosis? YES _____ NO _____
Is it likely there will be physical disruption of the water system/lines during activity? YES _____ NO _____

Selected Type of Construction: _____

Step 2. Using the following table, identify the Patient Risk Group that will be affected.
If more than one group is affected, select the higher risk group.

Low Risk	Medium Risk	High Risk	Highest Risk
Office areas	Cardiology	CCU	Any area caring for immunocompromised patients
	Echocardiography	Emergency Room	Cardiac Cath Lab
	Endoscopy	Laboratories	Central Supply
	Nuclear Medicine	Outpatient Surgery	Intensive Care Units
	Physical Therapy	Pharmacy	Medical Units
	Radiology/MRI	Post Anesthesia Care Unit	Negative airflow rooms
	Respiratory Therapy	Surgical Units	Oncology
			Operating Rooms

Select Patient Risk Group: _____

Step 3. Match the Patient Risk Group with the planned Construction Project Type (A, B, C, D) on the following matrix, to find the Class of Precautions (I, II, III, and IV) or level of infection control activities required.

Patient Risk Group	Type A	Type B	Type C	Type D
Low risk	I	II	II	III/IV
Medium risk	I	II	**III**	**IV**
High risk	I	II	**III/IV**	**IV**
Highest risk	II	**III/IV**	**III/IV**	**IV**

	During Construction Project	Upon Completion of Projects
Class I	1. Execute work by method to minimize raising dust from construction operations. 2. Immediately replace a ceiling tile displaced for visual inspection.	1. Clean work upon completion of task.
Class II	1. Provide active means to prevent airborne dust from dispersing into atmosphere. 2. Water mist work surfaces to control dust while cutting. 3. Seal unused doors with duct tape. 4. Block off and seal air vents. 5. Place dust mat at entrance and exit of work area. 6. Remove or isolate HVAC system in areas where work is being performed.	1. Wipe work surfaces with disinfectant. 2. Contain construction waste before transport in tightly covered containers. 3. Wet mop &/or vacuum before leaving work area. 4. Remove isolation of HVAC system in area where work is being performed.
Class III	1. Remove or isolate HVAC system in area where work is being done to prevent contamination of duct system. 2. Complete all critical barriers, i.e. sheetrock, plywood, plastic, to seal area from non-work area or implement control cube method (cart with plastic covering & sealed connection to work site with HEPA vacuum for vacuuming prior to exit) before construction begins. 3. Maintain negative air pressure within worksite utilizing HEPA-equipped air filtration units. 4. Contain construction waste before transportation in tightly covered containers. 5. Cover transport receptacles or carts. Tape covering unless solid lid is used.	1. Do not remove barriers from work area until completed project is inspected by Safety Management & Infection Control & thoroughly cleaned by Environmental Management. 2. Remove barrier materials carefully to minimize spreading of dirt & debris associated with construction. 3. Vacuum work area with HEPA-filtered vacuums. 4. Wet mop with disinfectant. 5. Remove isolation of HVAC system in areas where work is being performed.
Class IV	1. Isolate HVAC system in area where work is being done to prevent contamination of duct system. 2. Complete all critical barriers, i.e., sheetrock, plywood, plastic, to seal area from non-work area or implement control cube method (cart with plastic covering & sealed connection to work site with HEPA vacuum for vacuuming prior to exit) before construction begins. 3. Maintain negative air pressure within worksite utilizing HEPA-equipped air filtration units. 4. Seal holes, pipes, conduits and punctures appropriately. 5. Construct anteroom and require all personnel to pass through this room so they can be vacuumed using a HEPA vacuum cleaner before leaving work site; or the can wear cloth or paper coveralls that are removed each time they leave the work site. 6. All personnel entering the work site are required to wear shoe covers. Shoe covers must be changed each time the worker exits the work area. 7. Do not remove barriers from work area until completed project is inspected by Safety Management & Infection Control & thoroughly cleaned by Environmental Management.	1. Remove barrier materials carefully to minimize spreading of dirt & debris associated with construction. 2. Contain construction waste before transport in tightly covered containers. 3. Cover transport receptacles or carts. Tape covering unless solid lid. 4. Vacuum work area with HEPA-filtered vacuums. 5. Wet mop with disinfectant. 6. Remove isolation of HVAC system in areas where work is being performed.

Class of Precautions: _____

COR Signature _____ **Date** _____

Chief FES Signature _____ **Date** _____

Safety Officer Signature _____ **Date** _____

Infection Prevention Practitioner Signature _____ **Date** _____

Note: Infection Control approval will be required when Construction Activity and Risk Level indicate that Class III or Class IV control procedures are necessary, when disruption in the water lines is a planned part of the activity (beyond water not being used for a period of time) or when it is likely contractor staff will be exposed to a patient with possible tuberculosis.

INFECTION CONTROL RISK GROUPS

BUILDING: LEXINGTON VAMC
CONTRACTOR: TBD

PROJECT NAME: LEXINGTON VAMC, REPLACE MAIN ELECTRICAL DISTRIBUTION
PROJECT MANAGER: BRET H. MOOCK

THE INFECTION CONTROL RISK ASSESSMENT IS USED TO ANALYZE AREAS WHERE WORK IS TO OCCUR FROM EXISTING PLUMBING SYSTEMS.

1. IDENTIFY THE TYPE OF CONSTRUCTION PROJECT ACTIVITY. — SEE ABOVE
2. IDENTIFY THE PATIENT RISK GROUPS THAT WILL BE AFFECTED. USE THE AREA WITH THE HIGHEST RISK FOR ASSESSMENT: — SEE ABOVE
3. MATCH THE PATIENT GROUP WITH THE PLANNED CONSTRUCTION PROJECT TYPE USING THE "ICRA MATRIX CLASS OF PRECAUTIONS" TO DETERMINE THE LEVEL OF INFECTION CONTROL ACTIVITIES REQUIRED.

USE THE DESCRIPTION OF REQUIRED INFECTION CONTROL PRECAUTIONS BY CLASS TO DETERMINE THE ICRA MEASURES TO BE IMPLEMENTED FOR THE DURATION OF CONSTRUCTION:
CLASS I
CLASS II
CLASS III
CLASS IV

— SEE ABOVE

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ICRA GENERAL REQUIREMENTS	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: N/A
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	Drawing Number: ICRA-01

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ARCHITECTURAL ABBREVIATIONS:

ABV.	ABOVE
A.F.F.	ABOVE FINISHED FLOOR
ACC.	ACCESS/ACCESSIBLE
A.P.	ACCESS PANEL
A.C.T.	ACOUSTICAL CEILING TILE
ADJ.	ADJACENT/ADJUSTABLE
AGG.	AGGREGATE
ALT.	ALTERNATE
ALUM.	ALUMINUM
ANCH.	ANCHOR / ANCHORAGE
A.B.	ANCHOR BOLT
ANOD.	ANODIZED
APPROX.	APPROXIMATE
ARCH.	ARCHITECT(URAL)
A.D.	AREA DRAIN
AUTO.	AUTOMATIC
BRG.	BEARING
BRG. PL.	BEARING PLATE
B.M.	BENCH MARK
BITUM.	BITUMINOUS
BLK.	BLOCK(ING)
BD.	BOARD
B.O.C.	BOTTOM OF CURB
BLDG.	BUILDING
B.U.R.	BUILD UP ROOF
CAB.	CABINET
CPT.	CARPET
CPT. PD.	CARPET PAD
CSMT.	CASEMENT
C.B.	CATCH BASIN
CTR.	CENTER
℄	CENTERLINE
CLG.	CEILING
CLG. HT.	CEILING HEIGHT
C.T.	CERAMIC TILE
CLO.	CLOSET
COL.	COLUMN
CIR.	CIRCLE
CONC.	CONCRETE
C.M.U.	CONCRETE MASONRY UNIT
CONT.	CONTINUOUS/CONTINUE
CORR.	CORRIDOR
C.F.C.I.	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CON. JT.	CONTROL JOINT
CU. FT.	CUBIC FOOT
CU. YD.	CUBIC YARD
D.L.	DEAD LOAD
DEMO.	DEMOLITION
DTL.	DETAIL
DIAG.	DIAGONAL
DIA.	DIAMETER
DIM.	DIMENSION
DISP.	DISPENSER
DBL.	DOUBLE
DN.	DOWN
D.S.	DOWN SPOUT
DWR.	DRAWER
DWG.	DRAWING
D.F.	DRINKING FOUNTAIN
EA.	EACH
E.D.F.	ELECTRIC DRINKING FOUNTAIN
E.W.C.	ELECTRIC WATER COOLER
ELEC.	ELECTRIC
E.P.B.	ELECTRIC PANEL BOARD
EMER.	EMERGENCY
EL.	ELEVATION
ELEV.	ELEVATOR
ETR.	EXISTING TO REMAIN

ENCL.	ENCLOSURE
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXIST.	EXISTING
E.J.	EXPANSION JOINT
EXP.	EXPOSED
EXT.	EXTERIOR
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.F.	FINISH FLOOR
FIN.	FINISH
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.H.S.	FIRE HOUSE STATION
F.PL.	FIRE PLACE
F.G.	FIXED GLASS
FLEX.	FLEXIBLE
FL.	FLOOR
FL.D.	FLOOR DRAIN
F.C.O.	FLOOR CLEAN OUT
FTG.	FOOTING
FNDN.	FOUNDATION
FUR.	FURRING/FURRED
FR.	FRAME
F.R.P.	FIBERGLASS REINFORCED PLASTIC
F.S.	FULL SIZE
G.A.	GAUGE
GALV.	GALVANIZED
G.C.	GENERAL CONTRACTOR
GL.	GLASS/GLAZING
GR.	GRADE/GRAZING
GYP.	GYPSUM
GYP. BD.	GYPSUM BOARD
G.W.B.	GYPSUM WALL BOARD
HD. BD.	HARD BOARD
HDW.	HARDWARE
HDR.	HEADER
HTG.	HEATING
H.V.A.C.	HEATING/VENTILATION AIR CONDITIONING
HT.	HEIGHT
H.P.	HIGH POINT
H.C.	HOLLOW CORE
H.M.	HOLLOW METAL
H.B.	HOSE BIB
HORIZ.	HORIZONTAL
INCL.	INCLUDE(D)
I.D.	INSIDE DIAMETER
INSUL.	INSULATE/INSULATION
INTR.	INTERIOR
INV.	INVERT
JT.	JOINT
JST.	JOIST
J-BOX	JUNCTION BOX
K.P.L.	KICK PLATE
KIT.	KITCHEN
K.O.	KNOCKOUT
LAM.	LAMINATE
LAV.	LAVATORY
L.B.	LAG BOLT
L.H.	LEFT HAND
LEN.	LENGTH
LN. YD.	LINEAR YARD
LT.	LIGHT
LT. WT.	LIGHT WEIGHT
LTL.	LINTEL
LVR.	LOUVER

M.H.	MANHOLE
MFR.	MANUFACTURE(ER)(ING)
MAS.	MASONRY
M.O.	MASONRY OPENING
MAT'L	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MED.	MEDIUM
MEMB	MEMBRANE
MTL.	METAL
MTFR	METAL FURRING
MIN.	MINIMUM
MIR.	MIRROR
MISC.	MISCELLANEOUS
MOD.	MODULAR (MODULE)
MTD.	MOUNTED
MOV.	MOVABLE
M.R.G.B.	MOISTURE RESISTANT GYPSUM BOARD
MULL.	MULLION
NAT.	NATURAL
N.R.C.	NOISE REDUCTION COEFFICIENT
N.R.	NOISE REDUCTION
NOM.	NOMINAL
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPQ.	OPAQUE
OPNG.	OPENING
OPP.	OPPOSITE
O. DIA.	OUTSIDE DIAMETER
OA.	OVERALL
OH.	OVERHEAD (OVERHANG)
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
O.F.O.I.	OWNER FURNISHED OWNER INSTALLED
PT.	PAINT
PTD.	PAINTED
PR.	PAIR
PNL.	PANEL
PRKG.	PARKING
PTN.	PARTITION
PVMT.	PAVEMENT
PED.	PEDESTAL
PERF.	PERFORATE
PLAS.	PLASTER
P. LAM.	PLASTIC LAMINATE
PL. GL.	PLATE GLASS
PLYWD.	PLYWOOD
PT.	POINT
P.V.C.	POLYVINYL CHLORIDE
P.L.	PROPERTY LINE
ℙ	PROPERTY LINE
Q.T.	QUARRY TILE
R	RADIUS
REF.	REFERENCE
REFRIG.	REFRIGERATOR
REINF.	REINFORCED
REQ'D	REQUIRED
R.C.P.	REFLECTED CEILING PLAN
RESIL.	RESILIENT
RTN.	RETURN
R.A.	RETURN AIR
RVS.	REVERSE
REV.	REVISION
R.H.	RIGHT HAND
RVT.	RIVET

R.D.	ROOF DRAIN
RFG.	ROOFING
RM.	ROOM
R.O.	ROUGH OPENING
R.B.	RUBBER BASE
SCHED.	SCHEDULE
S.C.WD.	SOLID CORE WOOD
SECT.	SECTIONS
SHT.	SHEET
SHT. GL.	SHEET GLASS
SHWR.	SHOWER
SIM.	SIMILAR
SLD. CONC.	SEALED CONCRETE
S.S.M.	SOLID SURFACE MATERIAL
SPKR.	SPEAKER
SPEC.	SPECIFICATION
SQ.	SQUARE
SQ. FT.	SQUARE FEET
ST. S.	STEEL STUDS
SAN. SE.	SANITARY SEWER
STD.	STANDARD
STA.	STATION
ST.	STEEL
S.S.	STAINLESS STEEL
SD.	STORM DRAIN
STOR.	STORAGE
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
SYM.	SYMMETRICAL
SYNTH.	SYNTHETIC
SYS.	SYSTEM
S.T.C.	SOUND TRANSMISSION CLASSIFICATION
TEL.	TELEPHONE
T.V.	TELEVISION
TMP.	TEMPORARY
TEMP.	TEMPERATURE
TMPD.	TEMPERED
THK.	THICK(NESS)
THRES.	THRESHOLD
TYP.	TYPICAL
TOL.	TOLERANCE
T & G	TONGUE AND GROOVE
T.O.S.	TOP OF SLAB
T.O.ST.	TOP OF STEEL
T.O.W.	TOP OF WALL
T.O.C.	TOP OF CURB/ CONCRETE
TXT. FIN.	TEXTURED FINISH
UNFIN.	UNFINISH(ED)
U.N.O.	UNLESS NOTED OTHERWISE
VER.	VERIFY
VEST.	VESTIBULE
VERT.	VERTICAL
V.C.T.	VINYL COMPOSITION TILE
V.W.C.	VINYL WALL COVERING
V.B.	VINYL BASE
WSCT.	WAINSCOT
W.W.F.	WELDED WIRE FABRIC
W.D.W.	WINDOW
W/	WITH
W/O	WITHOUT
W.H.	WATER HEATER
W.GL.	WIRED GLASS
W.M.	WIRE MESH
WD.	WOOD
WT.	WEIGHT
W.PT.	WORKING POINT

GENERAL NOTES:

1. THESE DRAWINGS, SPECIFICATIONS, CONCEPTS AND DESIGNS REPRESENTED HERE BY OR INCORPORATED IN THIS PROJECT SHALL BE USED ONLY FOR THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED FOR.
2. THE CONTRACTOR SHALL INSPECT AND ASSESS EACH AREA AND PERFORM THE WORK AS INTENDED AND INDICATED ON THE CONTRACT DOCUMENTS, AND VERIFY ALL FIELD CONDITIONS AND DIMENSIONS WITHIN THE SCOPE OF THE PROJECT. ANY CONFLICTS BETWEEN THE FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT BEFORE WORK IN THE AFFECTED AREA PROCEEDS.
3. IN GENERAL, DIMENSIONING HIERARCHY IS AS FOLLOWS:
   A. "ALIGN" SUPERCEDES FIGURED DIMENSIONS.
   B. FIGURED DIMENSIONS SUPERCEDE SCALED DIMENSIONS.
   C. REPORT ALL CONFLICTS BETWEEN FIGURED DIMENSIONS AND FIELD CONDITIONS TO THE ARCHITECT.
4. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA COR. REMOVAL OF TRASH AND RUBBISH SHALL NOT TAKE PLACE DURING NORMAL BUSINESS HOURS. TRASH AND RUBBISH SHALL BE REMOVED AFTER NORMAL BUSINESS HOURS AND ON WEEKENDS.
5. TEMPORARY DUST AND/ OR I.C.R.A. BARRIERS SHALL BE PROVIDED TO PREVENT THE CONTAMINATION OF ADJACENT AREAS. IF THE ADJACENT PARTITION REQUIRES A FIRE RATING, THE TEMPORARY BARRIER SHALL MATCH THE RATING.
6. UNLESS OTHERWISE NOTED, REMOVE EXISTING NON-REQUIRED PROJECTIONS, HANGERS, NAILS, BRACKETS, ETC. FROM EXISTING WALLS AND COLUMNS. PATCH ALL HOLES TO MATCH EXISTING ADJACENT SURFACES OR TO PROVIDE FOR NEW FINISHES AS REQUIRED.
7. WHEN CONSTRUCTION AFFECTS ANY EXISTING FIRE-RATED PARTITION, REPAIRS SHALL BE PERFORMED TO MAINTAIN THE REQUIRED RATING.
8. CONTRACTOR'S STAMP OF "APPROVAL" OR "APPROVAL AS NOTED" IS REQUIRED ON ALL SUBMITTALS PRIOR TO ARCHITECTURAL REVIEW. ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS SHOULD BE CLEARLY MARKED BY THE CONTRACTOR ON THE SUBMITTAL BEFORE SUBMITTING TO THE ARCHITECT.
9. CONTRACTOR SHALL ENSURE ALL PENETRATIONS IN RATED WALLS ARE SEALED AT THE END OF EACH DAY. PENETRATIONS CANNOT BE LEFT OPEN OVERNIGHT.

ARCHITECTURAL SYMBOLS

- CENTER LINE
- ELEVATION INDICATOR
- CENTER LINE INDICATOR
- CONTRACT LIMIT LINE
- DEMOLITION LINE
- EXISTING TO REMAIN LINE
- FEATURES ABOVE LINE INDICATOR
- FIRE RESISTIVE RATED LINE, 1 HOUR
- FIRE RESISTIVE RATED LINE, 2 HOUR
- FIRE RESISTIVE RATED LINE, 3 HOUR
- FIRE RESISTIVE RATED LINE, 4 HOUR
- FIRE-RATED, SMOKE BARRIER LINE, 1 HOUR
- FIRE-RATED, SMOKE BARRIER LINE, 2 HOUR
- FIRE-RATED, SMOKE BARRIER LINE, 3 HOUR
- FIRE-RATED, SMOKE BARRIER LINE, 4 HOUR
- HIDDEN FEATURES LINE
- NEW LINE
- PROPERTY LINE
- SMOKE BARRIER LINE
- BREAK, ROUND (USER DEFINES SIZE)
- BREAK, STRAIGHT (SEE SECTION INDICATORS, BUILDING, WITH BREAK STANDARDS)
- V V ITEM – VA SUPPLIED & INSTALLED
- VC ITEM – VA SUPPLIED & CONTRACTOR INSTALLED
- CC ITEM – CONTRACTOR SUPPLIED & INSTALLED
- DETAIL INDICATOR
- DETAIL INDICATOR
- DETAIL INDICATOR FOR SMALL CONDITIONS
- DIMENSION LINE
- DOOR OPENING/BORROWED LIGHT IDENTIFIER
- DRAWING BLOCK TITLE, TYPICAL
- ELEVATION INDICATOR, EXTERIOR
- ELEVATION INDICATOR, INTERIOR, MULTIPLE VIEW
- ELEVATION INDICATOR, INTERIOR, SINGLE VIEW
- BUILDING SECTION INDICATOR
- DETAIL INDICATOR
- FURNITURE, FIXTURE, & EQUIPMENT INDICATOR
- GRAPHIC SCALE, ⅛"=1'-0"
- ROOM NAME AND NUMBER
- COLUMN GRID
- KEYNOTE
- WALL OR PARTITION TYPE
- FIRE EXTINGUISHER CABINET
- CORNER GUARD
- NORTH ARROW

MATERIALS LEGEND

- CONCRETE
- EARTH
- BASE COURSE
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED
- NEW CONSTRUCTION
- RIGID INSULATION
- BATT INSULATION

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ARCHITECTURAL NOTES, SYMBOLS AND ABBREVIATIONS	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: A-001
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: K.E.B.	

File Path

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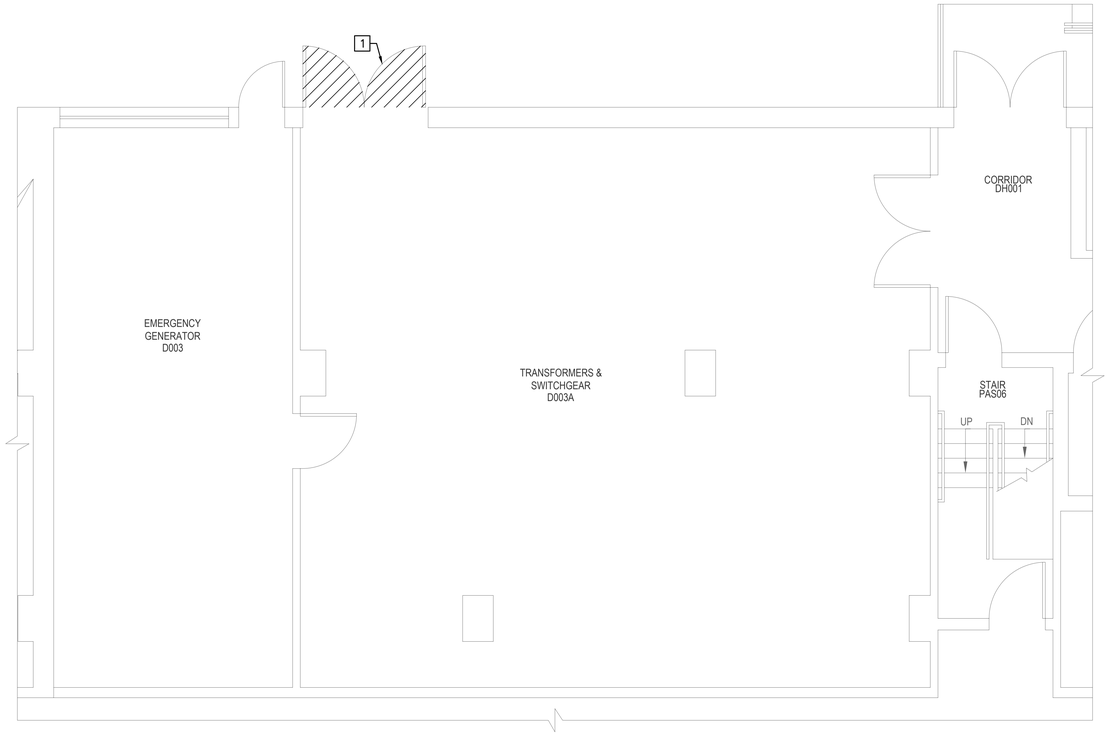
VA FORM 08 - 6231

CUI

KEYED DEMOLITION NOTE

1 REMOVE EXISTING DOOR, FRAME, AND HARDWARE. PREPARE WALLS AND FLOOR FOR NEW WORK.



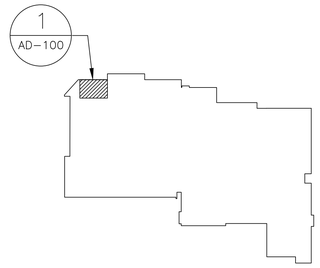
PROJECT NORTH

N

1
AD-100

BUILDING 1 GROUND FLOOR ENLARGED ARCHITECTURAL DEMOLITION PLAN

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



PROJECT NORTH

N

BUILDING 1 GROUND FLOOR KEY PLAN

SCALE: 1/128"=1'-0"

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 1 GROUND FLOOR ENLARGED ARCHITECTURAL DEMOLITION PLAN	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: 1
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: AD-100
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: K.E.B.	

File Path

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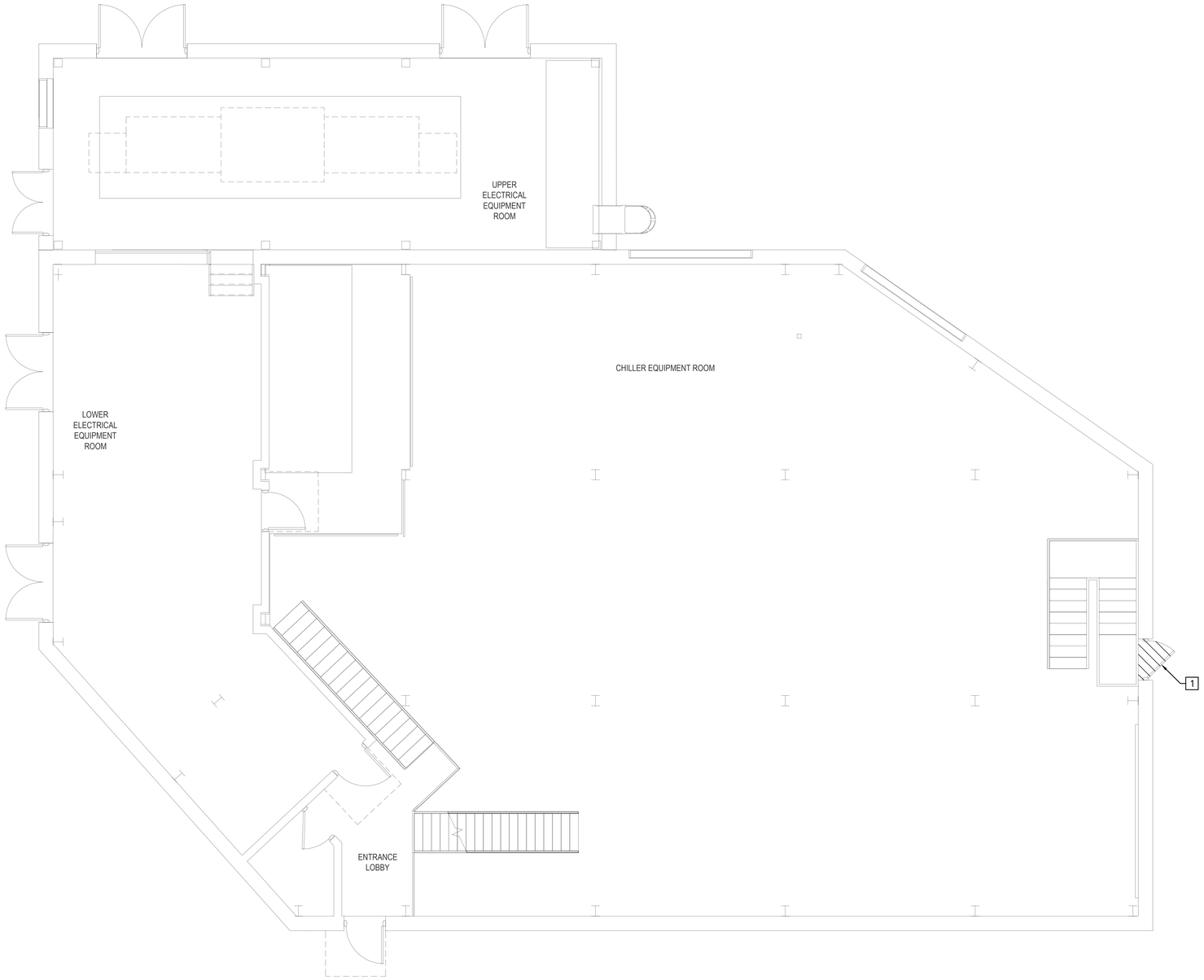
CUI

KEYED DEMOLITION NOTE

1 REMOVE EXISTING DOOR, FRAME, AND HARDWARE. PREPARE WALLS AND FLOOR FOR NEW WORK.



PROJECT NORTH

N

1
AD-101

BUILDING 4 MEZZANINE ARCHITECTURAL DEMOLITION PLAN

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

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File Path:

Revisions:	Date:

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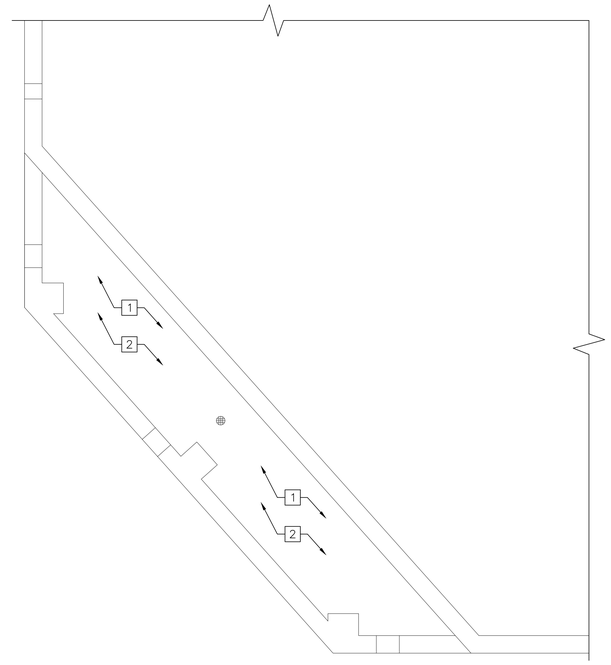
DAVID A. SCHOLL
No. PE040144

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title BUILDING 4 MEZZANINE ARCHITECTURAL DEMOLITION PLAN	**Phase** BID DOCUMENTS	**Project Title** REPLACE MAIN ELECTRICAL DISTRIBUTION	**Project Number** 596A4-24-101
Approved: Project Director LEXINGTON VA HEALTH CARE SYSTEM		**Location** 1101 VETERANS DRIVE LEXINGTON, KY 40502	**Building Number** 4
		Issue Date 10/29/2025 · **Checked** D.L.E. · **Drawn** T.C.M.	**Drawing Number** AD-101



KEYED DEMOLITION NOTES

1. REMOVE EXISTING TPO MEMBRANE ROOF AND ALL OF IT'S COMPONENTS.
2. REMOVE RIGID INSULATION.

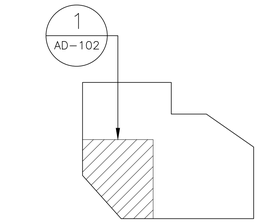
PROJECT NORTH

N

1
AD-102

BUILDING 4 ROOF ARCHITECTURAL DEMOLITION PLAN

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



PROJECT NORTH

N

BUILDING 4 ROOF KEY PLAN

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

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Drawing Title	Phase	Project Title	Project Number
BUILDING 4 ROOF ARCHITECTURAL DEMOLITION PLAN	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 4
		Issue Date: 10/29/2025 / Checked: D.L.E. / Drawn: E.G.W.	Drawing Number: AD-102

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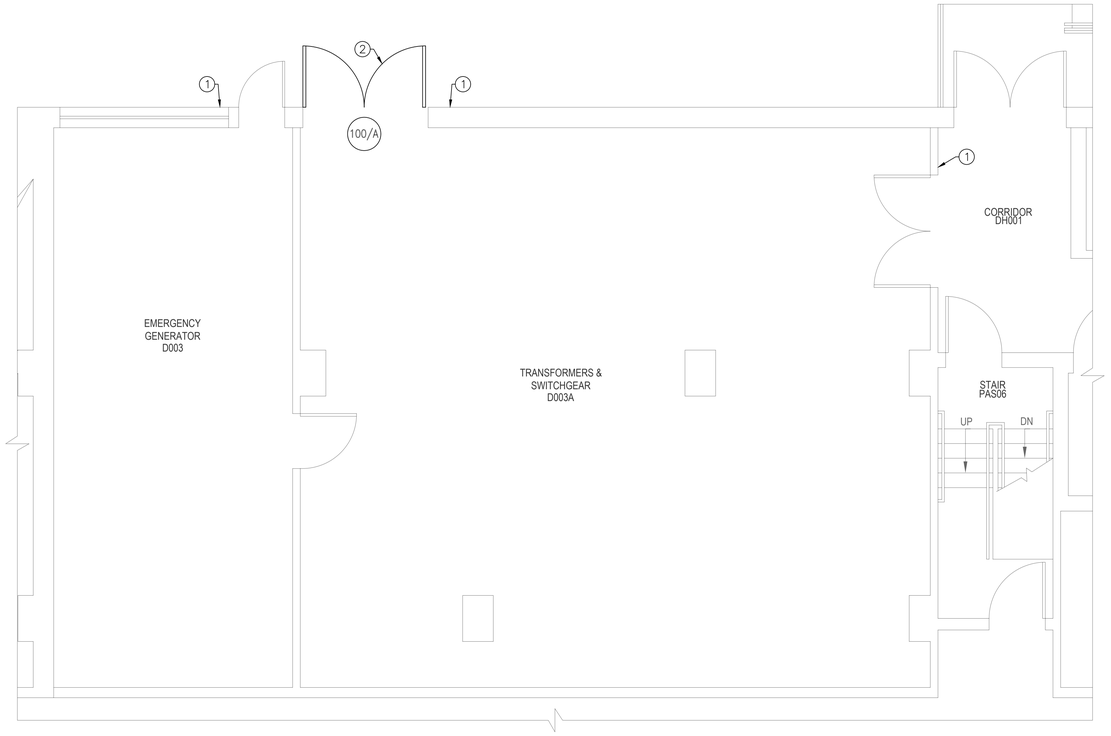
CUI

KEYED NEW WORK NOTES

1. PROVIDE SIGNAGE ACCORDING TO DETAIL 1/A-500.
2. PROVIDE DOOR, FRAME, AND HARDWARE. SEE SCHEDULES ON A-500.



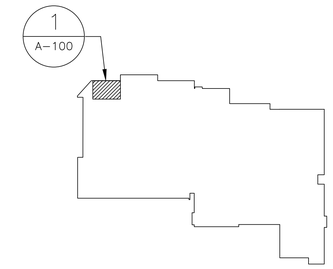
PROJECT NORTH

N

1
A-100

BUILDING 1 GROUND FLOOR ENLARGED ARCHITECTURAL NEW WORK PLAN 1

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



PROJECT NORTH

N

BUILDING 1 GROUND FLOOR KEY PLAN

SCALE: 1/128"=1'-0"

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Drawing Title	Phase	Project Title	Project Number
BUILDING 1 GROUND FLOOR ENLARGED ARCHITECTURAL NEW WORK PLAN 1	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 1
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: K.E.B.	Drawing Number: A-100

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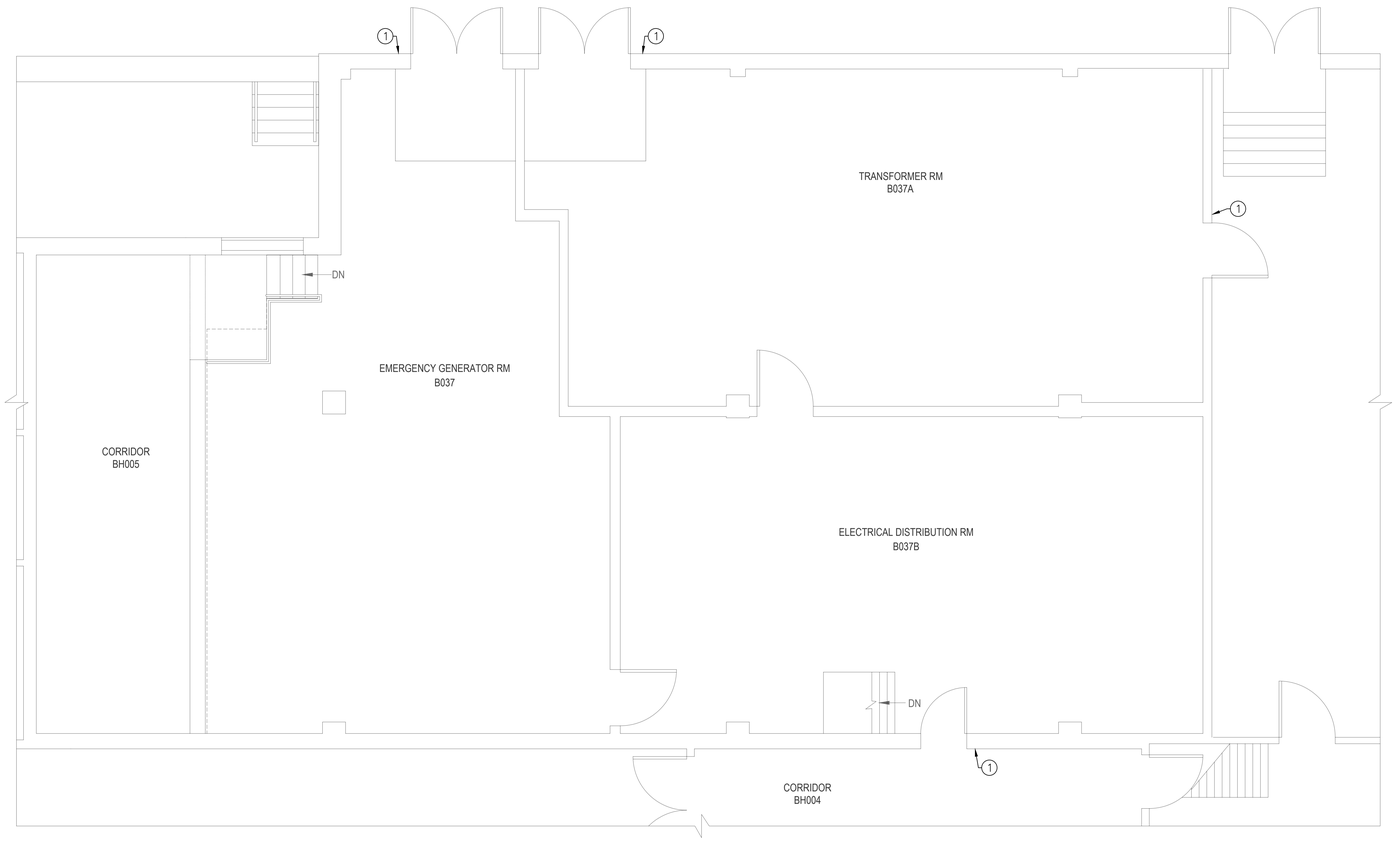
VA FORM 08 - 6231

CUI

KEYED NEW WORK NOTES

1. PROVIDE SIGNAGE ACCORDING TO DETAIL 1/A-500.

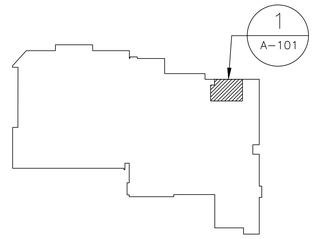


PROJECT NORTH

1 / A-101

BUILDING 1 GROUND FLOOR ENLARGED ARCHITECTURAL NEW WORK PLAN 2

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



PROJECT NORTH

BUILDING 1 GROUND FLOOR KEY PLAN

SCALE: 1/128"=1'-0"

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Drawing Title: BUILDING 1 GROUND FLOOR ENLARGED ARCHITECTURAL NEW WORK PLAN 2	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 1
		Issue Date: 10/29/2025 / Checked: D.L.E. / Drawn: K.E.B.	Drawing Number: A-101

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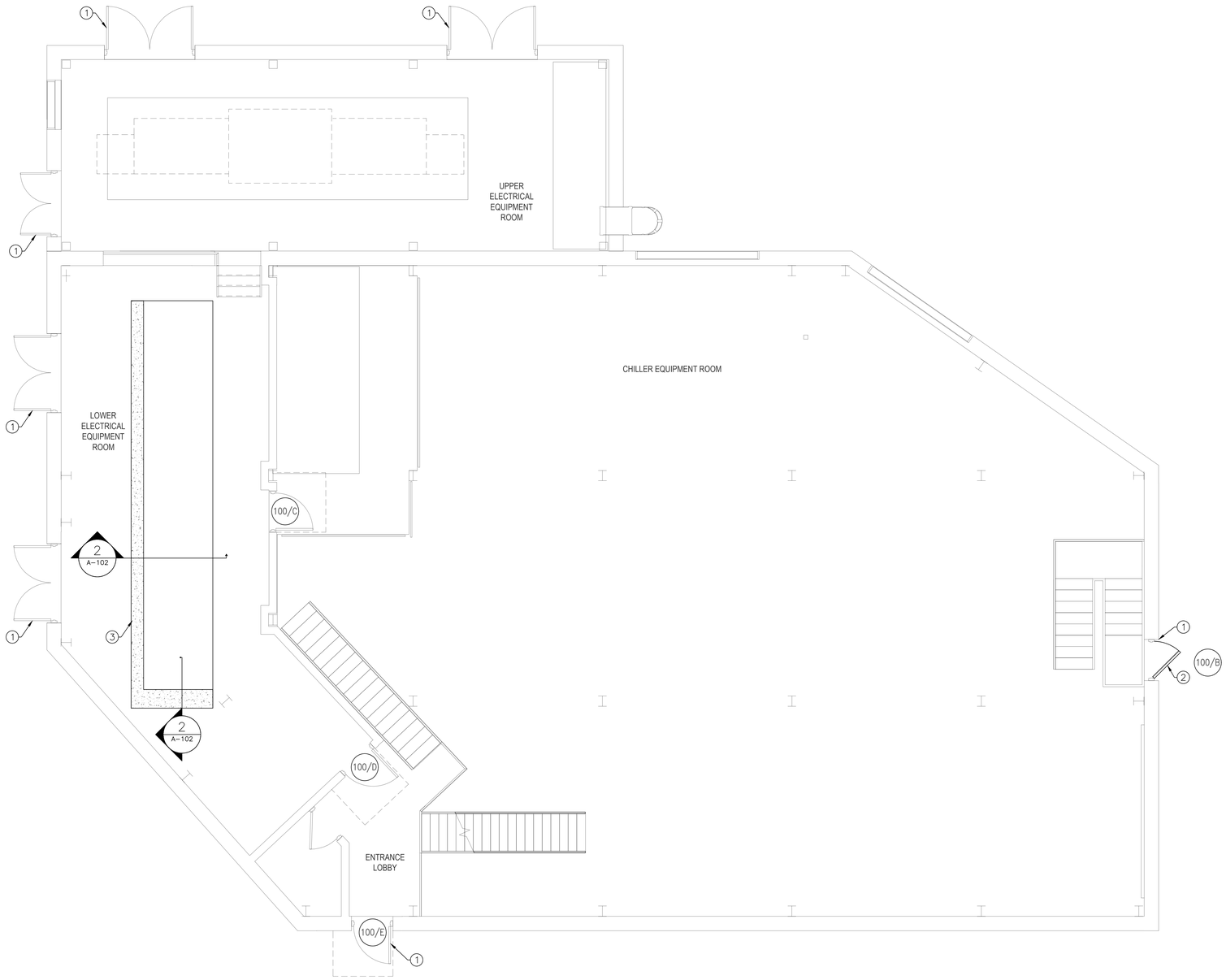
VA FORM 08 - 6231

CUI

KEYED NEW WORK NOTES

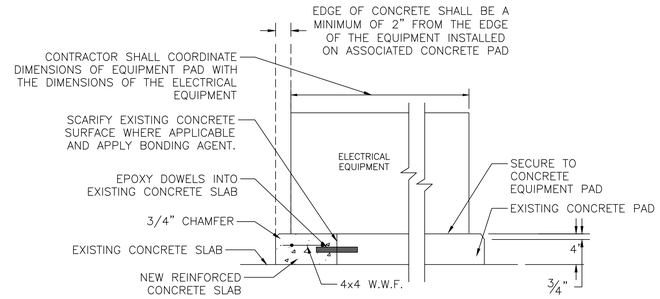
1. PROVIDE SIGNAGE ACCORDING TO DETAIL 1/A-500.
2. PROVIDE DOOR, FRAME, AND HARDWARE. SEE SCHEDULES ON A-500.
3. EXTEND CONCRETE PAD FOR ASSOCIATED FOOTPRINT OF UNIT SUBSTATION. CONTRACTOR SHALL COORDINATE FINAL DIMENSIONS BASED ON EQUIPMENT MANUFACTURERS SPECIFICATIONS. SEE E-102. CONTRACTOR SHALL COORDINATE SLAB THICKNESS WITH EXISTING SLAB.



PROJECT NORTH

1 A-102 BUILDING 4 MEZZANINE ARCHITECTURAL NEW WORK PLAN

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



2 A-102 CONCRETE SLAB PINNING DETAIL

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

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Drawing Title: BUILDING 4 MEZZANINE ARCHITECTURAL NEW WORK PLAN	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: 4
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: A-102
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	

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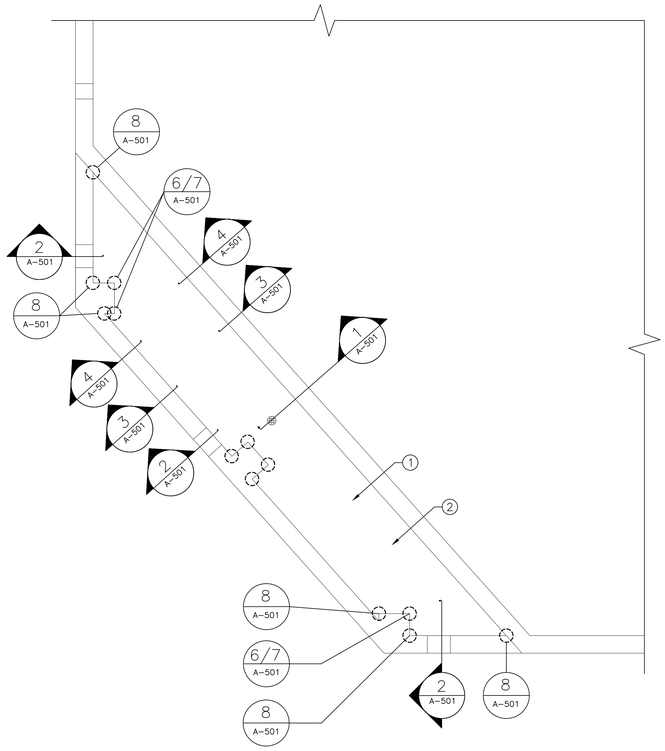


PROJECT NORTH

N

1
A-103

BUILDING 4 ROOF ARCHITECTURAL NEW WORK PLAN

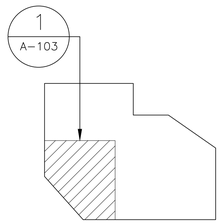
SCALE: 1/4"=1'-0"

GENERAL NOTES

1. PRIOR TO REMOVAL OF EXISTING ROOFING, INSULATION, ETC., CONTRACTOR SHALL NOTIFY COR AND PROJECT ENGINEER OF SCHEDULED ROOF DEMOLITION. UPON REMOVAL OF EXISTING ROOFING, INSULATION, ETC., CONTRACTOR AND COR/PROJECT ENGINEER SHALL CONDUCT INSPECTION OF EXISTING SUBSTRATE, ROOF DECKING, ETC. FOR RE-USE WITH NEW, SPECIFIED ROOFING. CONTRACTOR SHALL MAINTAIN TEMPORARY WATER-TIGHT CONDITION DURING THE DECKING REVIEW PERIOD PRIOR TO INSTALLATION OF NEW ROOFING.
2. CONTRACTOR IS REQUIRED TO TAPER INSULATION TO PROVIDE POSITIVE ROOF DRAINAGE. SLOPE TOWARD DRAINS AND SCUPPER FROM ALL POINT OF ROOF. MINIMUM SLOPE SHALL BE 1/4"=1'-0". NO AREA OF ROOF SHALL REMAIN FLAT.
3. MINIMUM 20 YEAR TOTAL SYSTEM WARRANTY ON THE ROOF AND ACCESSORIES
4. SCUPPER AND ROOF DRAIN ARE EXISTING. CONTRACTOR SHALL ENSURE THEY ARE PROPERLY FLASHED, SEALED AND FUNCTIONING TO THE MANUFACTURERS SPECIFICATIONS WHEN NEW ROOF INSTALLATION IS COMPLETE. CONTRACTOR SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS TO ALTER OR REPLACE SCUPPERS AND DRAINS AS NEEDED TO PROVIDE INTEGRATION WITH NEW ROOF TO THE MANUFACTURER'S SPECIFICATION.
5. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE WATERTIGHT INTEGRITY OF THE CHILLER BUILDING ROOF FOR ALL WORK PERFORMED UNDER THIS CONTRACT. PRIOR TO STARTING ROOF WORK, PERFORM AND DOCUMENT A PRE-CONDITION ROOF INSPECTION (PHOTOS + WRITTEN REPORT). COORDINATE ALL ASSOCIATED MATERIALS, PENETRATIONS, JOINTS, AND CONNECTIONS INCLUDING BUT NOT LIMITED TO, CURBS, SLEEPERS, CONDUITS, PIPE SUPPORTS, AND FLASHINGS WITH THE ROOFING MANUFACTURER AND INSTALL PER THEIR WRITTEN DETAILS TO MAINTAIN OR RESTORE THE ROOF WARRANTY. PROVIDE NEW OR REPLACEMENT FLASHINGS, SEALANTS, COUNTER-FLASHINGS, AND CURB CAPS AS REQUIRED FOR A COMPLETE WATERTIGHT INSTALLATION.
   AT SUBSTANTIAL COMPLETION, PERFORM A WATER-INTRUSION TEST/INSPECTION WITH OWNER PRESENT; CORRECT ANY LEAKS AT NO ADDITIONAL COST. CONTRACTOR SHALL PROVIDE A WATERTIGHTNESS WARRANTY (LABOR AND MATERIALS) COVERING ALL WORK, INCLUDING PENETRATIONS AND ADJACENT TIE-INS, FOR A TIME PERIOD AGREED UPON BY THE OWNER, IN ADDITION TO ANY MANUFACTURER WARRANTY. CONTRACTOR REMAINS RESPONSIBLE FOR ANY ROOF LEAKS RESULTING FROM THEIR WORK.

KEYED NOTES

1. PROVIDE EPDM MEMBRANE ROOF SYSTEM. BASIS OF DESIGN: CARLISLE FLEECEBACK EPDM.
2. PROVIDE MINIMUM R-25 CONTINUOUS RIGID INSULATION SLOPED TOWARDS SCUPPERS AND DRAIN. SEE PLAN.



PROJECT NORTH

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BUILDING 4 ROOF KEY PLAN

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

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BUILDING 4 ROOF ARCHITECTURAL NEW WORK PLAN
Phase	BID DOCUMENTS
Project Title	REPLACE MAIN ELECTRICAL DISTRIBUTION
Project Number	596A4-24-101
Building Number	4
Approved: Project Director	LEXINGTON VA HEALTH CARE SYSTEM
Location	1101 VETERANS DRIVE LEXINGTON, KY 40502
Issue Date	10/29/2025
Checked	D.L.E.
Drawn	E.G.W.
Drawing Number	A-103

File Path

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DOOR SCHEDULE

DOOR NO.	LOCATION	DOOR TYPE	MAT'L	WIDTH	HEIGHT	THK	FRAME TYPE	MAT'L	LABEL	HARDWARE SET	NOTES
100/A	BLDG. 1 TRANSFORMERS & SWITCHGEAR D003A	B	HM	(2) 4'–0"	7'–0"	0'–1 3/4"	H2	HM	2 HR	HW–E1	1, 2, 3
100/B	BLDG. 4 CHILLER EQUIPMENT ROOM	B	HM	3'–0"	7'–0"	0'–1 3/4"	H2	HM	2 HR	HW–E1	1, 2, 3
100/C	BLDG. 4 LOWER ELEC. EQUIP. ROOM INTERIOR	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	SDO–228	2
100/D	BLDG. 4 ENTRANCE LOBBY INTERIOR	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	SDO–228	2
100/E	BLDG. 4 ENTRANCE LOBBY EXTERIOR	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	SDO–228	2

NOTES:

1. DOOR TO BE 14–GAUGE MINIMUM.
2. DOOR AND DOOR HARDWARE CONTRACTOR(S) SHALL COORDINATE ALL HARDWARE SETS WITH SECURITY DRAWINGS AND VA PRIOR TO PROCUREMENT. CONTRACTOR TO FOLLOW MANUFACTURERS SPECIFICATIONS FOR INSTALLING NEW HARDWARE ON AN EXISTING FRAME.
3. LABEL/FIRE RATING APPLIES TOP BOTH DOOR AND FRAME

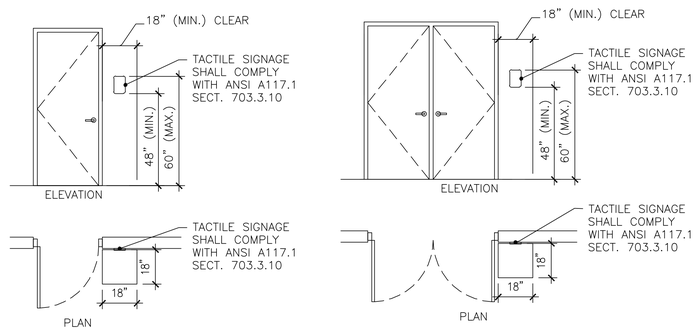
HARDWARE LEGEND

TYPE	DESCRIPTION
SDO–228	HARDWARE DEVICES: * CARD READER * CLOSER * CONTINUOUS HINGE * DOOR CONTACT * ELECTRIC STRIKE * FLUSH BOLTS * MORTISE LOCK OPERATION AT ALL TIMES: * OUTSIDE LEVER ALWAYS RIGID * CARD READER RELEASES ELECTRIC STRIKE OR COMBINATION LOCK RETRACTS LATCHBOLT * INSIDE LEVER RETRACTS LATCHBOLT AT ALL TIMES * DOOR MONITOR ALARMED TO CENTRAL MONITORING STATION
HW–E1	ENTRY LOCK, TYPICALLY WITH DEADBOLT AND INTERIOR THUMBTURN. CAN ALSO INCLUDE GLASS OR ALUMINUM STOREFRONT DOOR WITH DEADLOCK.

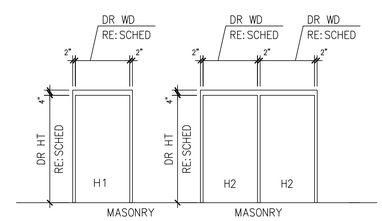
SIGN 1
"NOTICE
VIDEO SURVEILLANCE
IN USE ON THESE
PREMISES"

SIGNAGE NOTES	
1.	COORDINATE ALL SIGNAGE PLACEMENT AND REQUIREMENTS WITH THE NEW VAMC SIGN PROGRAM, VA SIGNAGE DESIGN GUIDE PUBLICATION AND ANY ELECTRICAL & MECHANICAL EQUIPMENT REQUIREMENTS.
2.	BUILDING SIGNAGE SHALL MATCH EXISTING VAMC SIGN PROGRAM INCLUDING SIZE, STYLE, PLACEMENT, COLOR, AND FINISH.
3.	CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR VA APPROVAL.
4.	CONTRACTOR SHALL INSTALL ALL SIGNS PER MANUFACTURER'S RECOMMENDATIONS AND CODE REQUIREMENTS.

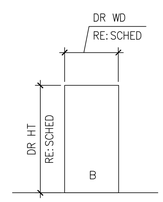
1 A–500 SIGNAGE TYPE
SCALE:NOT TO SCALE



2 A–500 TYPICAL SIGNAGE PLACEMENT
SCALE:NOT TO SCALE



3 A–500 FRAME TYPE
SCALE:NOT TO SCALE



4 A–500 DOOR TYPE
SCALE:NOT TO SCALE

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
ARCHITECTURAL DETAILS & SCHEDULES	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: N/A
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	Drawing Number: A-500

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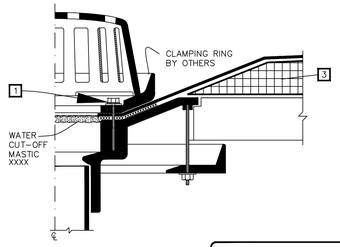
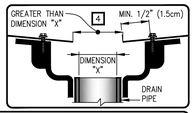
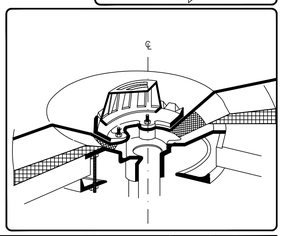
THERMOSET MEMBRANE — EPDM







NOTES:

1. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.
2. REMOVE EXISTING LEAD, FLASHING MATERIAL & ENSURE THE DRAIN RING IS COMPLETELY CLEAN DOWN TO BARE METAL.
3. INSULATION TAPER SHALL NOT BE GREATER THAN 6" (15cm) IN 12" (30cm) HORIZONTAL. REINFORCED EPDM IS LIMITED TO A TAPER LESS THAN 3" (7.5CM) PER FOOT. IF GREATER USE DETAIL U-6B.
4. THE HOLE IN THE MEMBRANE SHALL EXCEED THE DIAMETER OF THE DRAIN PIPE, BUT SHALL BE NO LESS THAN 1/2" (1.5cm) FROM THE ATTACHMENT POINTS OF THE DRAIN CLAMPING RING.
5. FIELD SPLICES MUST BE LOCATED AT LEAST 6" (15cm) OUTSIDE THE DRAIN SUMP.
6. ROOF DRAIN SIZE AND NUMBER OF DRAINS SHALL BE IN ACCORDANCE WITH THE LOCAL CODES.

J:_L\2000\Carlisle SynTec Systems Logo_Dec 2011-For Print.jpg	ROOF DRAIN	DETAIL NO. 1/A501
	MAXIMUM WARRANTY: 30 YEARS	U (UNIVERSAL DETAIL)

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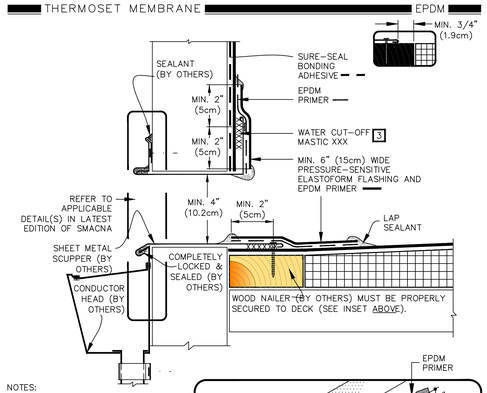
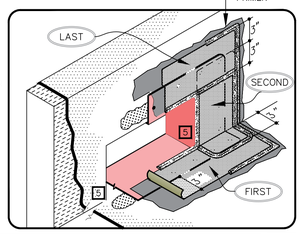
THERMOSET MEMBRANE — EPDM





NOTES:

1. METAL SCUPPER BOX MUST HAVE CONTINUOUS FLANGES WITH ROUNDED CORNERS. SOLDER ALL SCUPPER SEAMS WATER-TIGHT.
2. INSTALL U-15 CORNERS IF SCUPPER BOX DOES NOT HAVE A CONTINUOUS FLANGE.
3. WATER CUT-OFF MASTIC UNDER SCUPPER FLANGES MUST BE UNDER CONSTANT COMPRESSION.
4. CLEAN METAL FLANGE WITH WEATHERED MEMBRANE CLEANER; AND ALLOW TO DRY.
5. SCUPPERS WITHOUT A CONTINUOUS WATERTIGHT DESIGN MUST BE FLASHED IN PER DETAIL U-15 OUTSIDE CORNER.

J:_L\2000\Carlisle SynTec Systems Logo_Dec 2011-For Print.jpg	SCUPPER: SINGLE LAYER FLASHING	DETAIL NO. 2/A501
	MAXIMUM WARRANTY: 25 YEARS	U (UNIVERSAL DETAIL)

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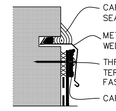
THERMOSET MEMBRANE — EPDM

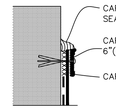
9A MECHANICAL TERMINATION WITH COUNTER FLASHING



- CARLISLE UNIVERSAL SINGLE-PLY SEALANT OR SEALANT (BY OTHERS)
- METAL COUNTER-FLASHING WITH LEAD WEDGES, AS REQUIRED (BY OTHERS).
- THREADED FASTENERS OR CARLISLE HP TERM BAR NAIL-IN. 6"(15cm) O.C. FASTENING RECOMMENDED.
- CARLISLE TERMINATION BAR

WARRANTY UP TO 30 YEARS | **SEE INSET A**

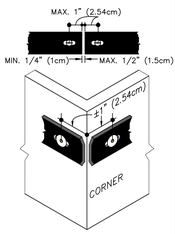
9B MECHANICAL TERMINATION



- CARLISLE UNIVERSAL SINGLE-PLY SEALANT OR SEALANT (BY OTHERS)
- CARLISLE HP TERM BAR NAIL-IN. 6"(15cm) O.C. FASTENING RECOMMENDED.
- CARLISLE TERMINATION BAR

WARRANTY UP TO 20 YEARS | **SEE INSET A**

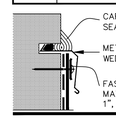
INSET A



NOTES:

1. APPLY ON HARD SMOOTH SURFACE ONLY; NOT FOR USE ON EXPOSED WOOD.
2. DO NOT WRAP TERMINATION BAR AROUND CORNERS.
3. DETAIL 9D MUST BE USED AT VERTICAL JOINTS IN PANEL WALLS.

9C COUNTER FLASHING TERMINATION



- CARLISLE UNIVERSAL SINGLE-PLY SEALANT OR SEALANT (BY OTHERS)
- METAL COUNTER-FLASHING WITH LEAD WEDGES, AS REQUIRED (BY OTHERS).
- FASTEN MEMBRANE @ 12" (30cm) O.C. MAX. USE GALVANIZED WASHERS, MIN. 1", (2.54cm) DIAMETER

NOTE:

1. WHEN MECHANICAL FASTENERS ARE USED TO PENETRATE THE METAL COUNTER-FLASHING, USE EPDM WASHERS, APPLY WATER CUT-OFF MASTIC UNDER THE COUNTER-FLASHING OR CAULK THE FASTENER HEADS.

WARRANTY UP TO 10 YEARS

APPLICABLE BONDING ADHESIVE — XXX WATER CUT-OFF MASTIC- MUST BE HELD UNDER CONSTANT COMPRESSION.

J:_L\2000\Carlisle SynTec Systems Logo_Dec 2011-For Print.jpg	MEMBRANE TERMINATIONS (PAGE 1 OF 3)	DETAIL NO. 3/A501
	WARRANTY AS NOTES FOR EACH DETAIL	U (UNIVERSAL DETAIL)

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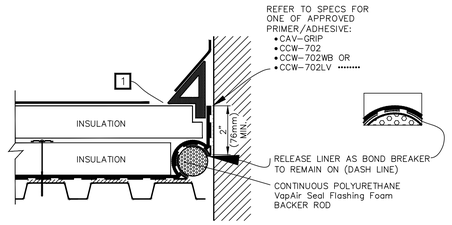
AIR & VAPOR CONTROL LAYERS



NOTE:

1. REFER TO TYPICAL EXPANSION JOINT DETAIL FOR SELECTED ROOF ASSEMBLY TYPE

B OPTION B	SEE MD-0 (PAGE 1 & 2) FOR ADDITIONAL INFORMATION.	VapAir Seal MD
→ VapAir Seal MD → ROOF MEMBRANE → CAV-GRIP, CCW-702 OR CCW-702LV 1 → SEE NOTE	ROOF EXPANSION JOINT (ROOF-TO-WALL JOINT)	DETAIL NO. 4/A501
	A&VB (AIR & VAPOR BARRIER) AS REQUIRED BY DESIGNER	ADHERED A&VB

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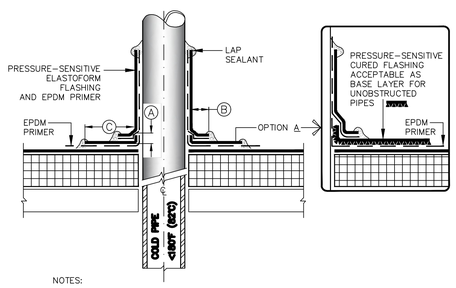
THERMOSET MEMBRANE — EPDM



NOTES:

1. REMOVE ALL LEAD AND OTHER FLASHING BEFORE INSTALLING FIELD-FABRICATED FLASHING.
2. TEMPERATURE OF PIPE PENETRATION MUST NOT EXCEED 180°F (82°C).
3. ACCEPTABLE WITH SQUARE OR RECTANGULAR STRUCTURAL TUBING WITH ROUNDED CORNERS UP TO 12"(30cm). USE DETAIL U-5 IF GREATER THAN 12" (30cm).
4. IN COLDER TEMPERATURES, A HEAT GUN MUST BE USED WHEN FORMING PRESSURE-SENSITIVE ELASTOFORM OR CURED FLASHING.
5. ON MECHANICALLY FASTENED ROOFING SYSTEMS. REFER TO DETAIL MF-8B.
6. MEMBRANE SECUREMENT IS REQUIRED AROUND ALL ROUND PIPE PENETRATIONS GREATER THAN 18" (46cm) IN DIAMETER.

DIMENSIONS	cm	
A 1/2"	1.5	MIN.
B 1"	2.5	MIN.
C 3"	7.5	MIN.

J:_L\2000\Carlisle SynTec Systems Logo_Dec 2011-For Print.jpg	FIELD FABRICATED PIPE WRAP	DETAIL NO. 5/A501
	MAXIMUM WARRANTY: 20 YEARS	U (UNIVERSAL DETAIL)

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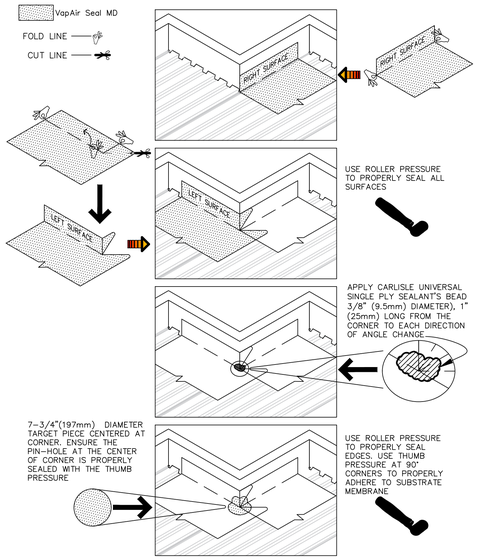
AIR & VAPOR CONTROL LAYERS



SEE MD-0 (PAGE 1 & 2) FOR ADDITIONAL INFORMATION.	VapAir Seal MD	
→ VapAir Seal MD → ROOF MEMBRANE → CAV-GRIP, CCW-702 OR CCW-702LV 1 → SEE NOTE	OUTSIDE CORNER WITH VapAir Seal MD (OPTION A)	DETAIL NO. 6/A501
	A&VB (AIR & VAPOR BARRIER) AS REQUIRED BY DESIGNER	ADHERED A&VB

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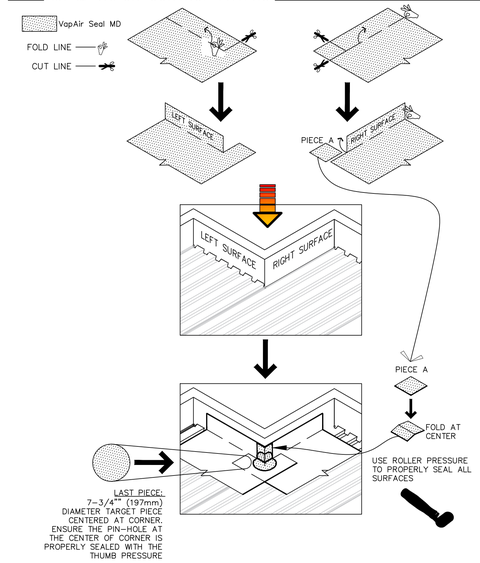

SEE MD-0 (PAGE 1 & 2) FOR ADDITIONAL INFORMATION.	VapAir Seal MD	
→ VapAir Seal MD → ROOF MEMBRANE → CAV-GRIP, CCW-702 OR CCW-702LV 1 → SEE NOTE	OUTSIDE CORNER WITH VapAir Seal MD (OPTION B)	DETAIL NO. 7/A501
	A&VB (AIR & VAPOR BARRIER) AS REQUIRED BY DESIGNER	ADHERED A&VB

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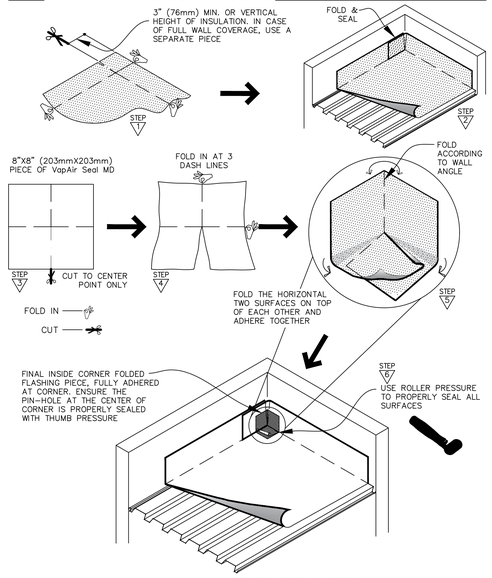
AIR & VAPOR CONTROL LAYERS



SEE MD-0 (PAGE 1 & 2) FOR ADDITIONAL INFORMATION.	VapAir Seal MD	
→ VapAir Seal MD → ROOF MEMBRANE → CAV-GRIP, CCW-702 OR CCW-702LV 1 → SEE NOTE	INSIDE CORNER WITH VapAir Seal MD PIECE	DETAIL NO. 8/A501
	A&VB (AIR & VAPOR BARRIER) AS REQUIRED BY DESIGNER	ADHERED A&VB

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REGISTERED PROFESSIONAL ENGINEER No. PE045114E

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ARCHITECTURAL ROOF DETAILS 1	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: A-501
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: E.G.W.	

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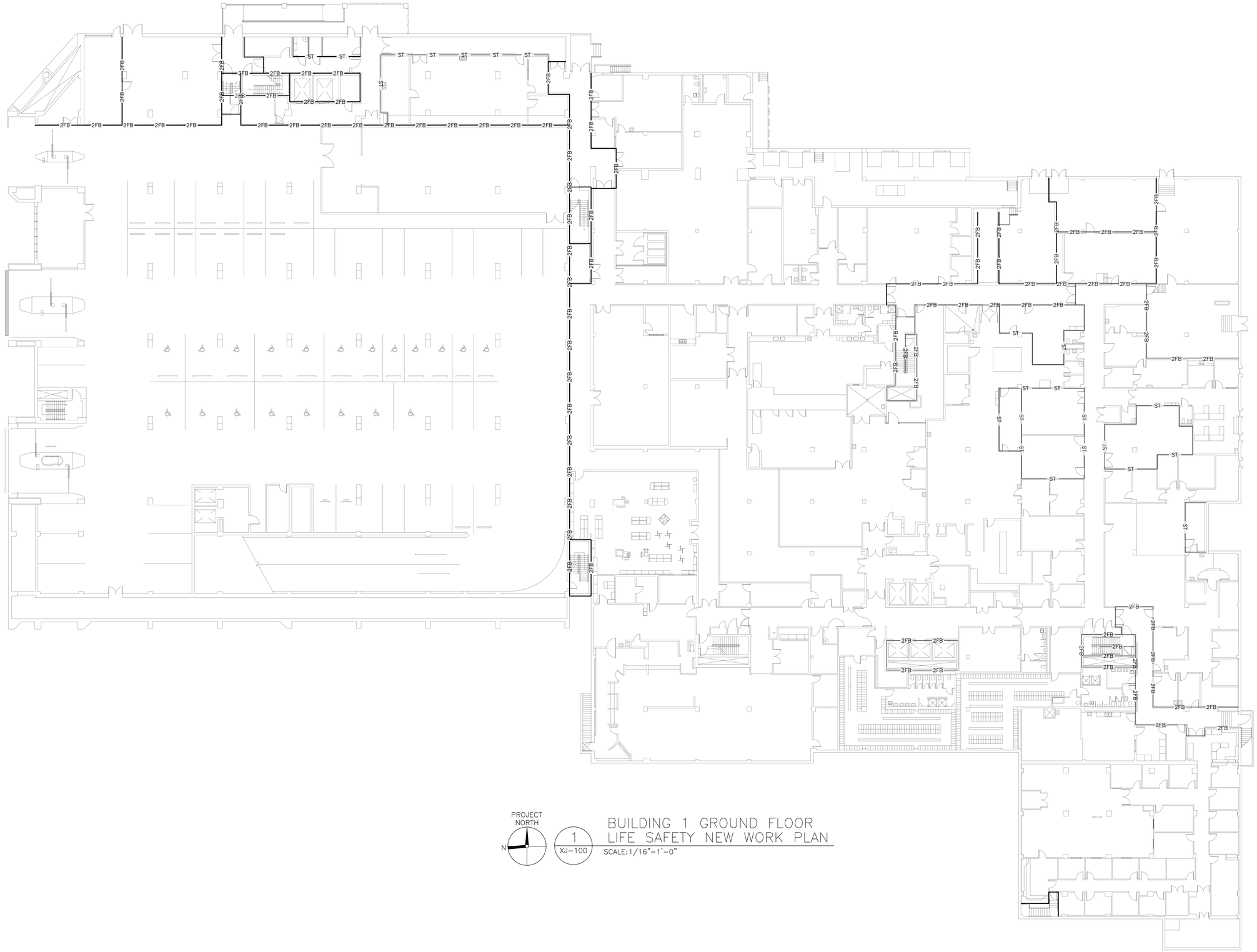

LEGEND

2FB — 2 HOUR FIRE BARRIER

ST — SMOKE TIGHT PARTITION

PROJECT NORTH

N

1
XJ-100

BUILDING 1 GROUND FLOOR LIFE SAFETY NEW WORK PLAN

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

6/14/2009 12:39:03 PM

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BUILDING 1 GROUND FLOOR LIFE SAFETY NEW WORK PLAN
Phase	BID DOCUMENTS
Project Title	REPLACE MAIN ELECTRICAL DISTRIBUTION
Project Number	596A4-24-101
Building Number	1
Approved: Project Director	LEXINGTON VA HEALTH CARE SYSTEM
Location	1101 VETERANS DRIVE LEXINGTON, KY 40502
Drawing Number	XJ-100
Issue Date	10/29/2025
Checked	D.L.E.
Drawn	K.E.B.

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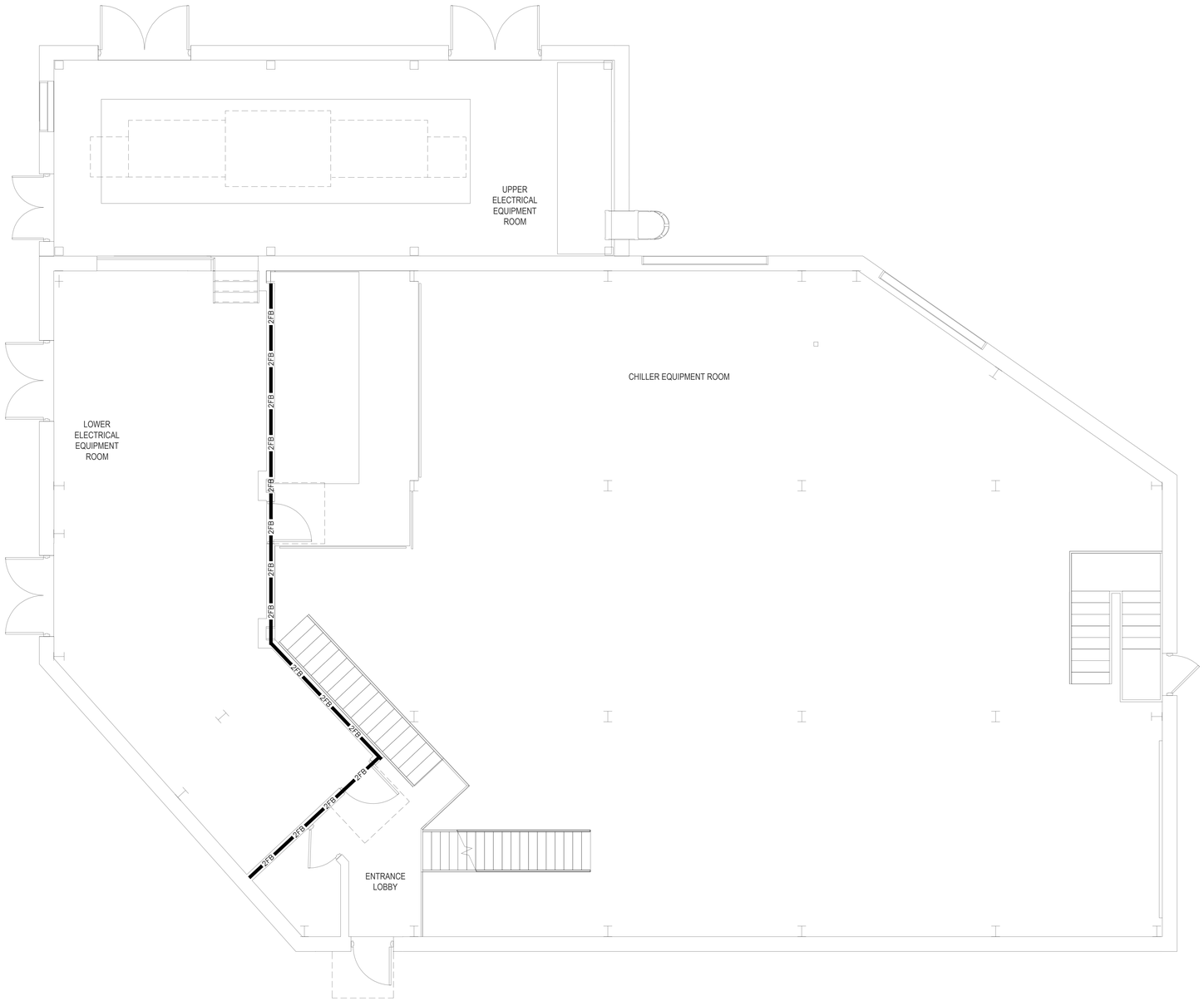
LEGEND

2FB — 2 HOUR FIRE BARRIER

ST — SMOKE TIGHT PARTITION



PROJECT NORTH

N

1
XJ-101

BUILDING 4 MEZZANINE
LIFE SAFETY NEW WORK PLAN

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

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BUILDING 4 MEZZANINE LIFE SAFETY NEW WORK PLAN	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 4
		Issue Date: 10/29/2025 / Checked: D.L.E. / Drawn: T.C.M.	Drawing Number: XJ-101

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GENERAL NOTES:

1. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, LOCAL, AND VA LEXINGTON HEALTH CARE SYSTEM REQUIREMENTS AND POLICIES; INCLUDING TESTING, SOCIAL DISTANCING, WEARING OF PPE, AND ANY OTHER RULES AS REQUIRED BY PROJECT COR.
2. PROVIDE ALL MATERIALS AND EQUIPMENT, AND PERFORM ALL LABOR REQUIRED TO INSTALL A COMPLETE AND OPERABLE HVAC SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY CODE.
3. PROVIDE OWNER WITH CERTIFICATES OF FINAL INSPECTION AND ACCEPTANCE FROM THE AUTHORITY HAVING JURISDICTION.
4. CONTRACTOR SHALL PROVIDE COMPLETE LAYOUT DRAWINGS IN ACCORDANCE WITH SPECIFICATIONS SECTION 23 05 11, COMMON WORK RESULTS FOR HVAC, PARAGRAPH – SUBMITTALS. CONSTRUCTION WORK SHALL NOT START ON ANY SYSTEM UNTIL THE LAYOUT DRAWINGS HAVE BEEN REVIEWED BY THE PROFESSIONAL AND THE VA.
5. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF WORK TO BE PERFORMED. THE DRAWINGS ARE NOT INTENDED TO SHOW EVERY PIPE, FITTING, VALVE, OR APPURTENANCE REQUIRED FOR A COMPLETE INSTALLATION. DO NOT SCALE LOCATION DIMENSIONS FROM THESE DRAWINGS. DRAWINGS ARE NOT TO BE SCALED FOR THE ACCURATE CUTTING OF PIPE, FABRICATION OF DUCTWORK, OR THEIR EXACT LOCATIONS. BEFORE ANY DUCTWORK OR PIPING IS INSTALLED, CONTRACTOR SHALL SURVEY THE SITE AND VERIFY EQUIPMENT SPACE CONSTRAINTS AND CONFER WITH ALL OTHER CONTRACTORS IN ORDER TO ESTABLISH THE LOCATION OF THEIR PIPING, CONDUIT, DUCTWORK, GRILLES, FOUNDATIONS, STRUCTURAL STEEL, LIGHTING FIXTURES AND OTHER EQUIPMENT SO AS TO AVOID INTERFERENCE. FAILURE TO VERIFY SPACE CONSTRAINTS AND COORDINATE WITH EXISTING AND NEW WORK SHALL NOT RESULT IN ANY ADDITIONAL EXPENSE TO THE GOVERNMENT.
6. CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL SITE CONDITIONS AND DIMENSIONS AND FOR COORDINATION OF THEIR WORK WITH THAT OF ALL OTHER TRADES. CONTRACTOR SHALL PERFORM WORK IN A NEAT, ORDERLY MANNER AND WITH THE LEAST POSSIBLE INTERFERENCES.
7. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE SCHEDULE REQUIREMENTS AS OUTLINED IN THE PROJECT SPECIFICATIONS AND PHASING DRAWINGS. CONTRACTOR SHALL PROVIDE REQUIRED NOTICE AND ADHERE TO WORK HOURS UNLESS OTHERWISE DIRECTED BY PROJECT COR.
8. WORK SHALL CONFORM TO OR MEET THE REQUIREMENTS OF THE MOST CURRENT EDITION OF:
   - A. INTERNATIONAL MECHANICAL CODE; 2018 IMC
   - B. INTERNATIONAL FUEL GAS CODE; 2018 IFGC
   - C. INTERNATIONAL ENERGY CONSERVATION CODE; 2018 IECC
   - D. IBC INTERNATIONAL BUILDING CODE; 2018 IBC
   - E. INTERNATIONAL PLUMBING CODE; 2018 IPC
   - F. INTERNATIONAL ENERGY CONSERVATION CODE; 2018 IBC INTERNATIONAL BUILDING CODE; 2018 IECC
   - G. NEC (NFPA 70 – 2023) AND (NFPA 101 – 2024)
   - H. ALL FEDERAL, STATE AND LOCAL CODES AND ORDINANCES
   - I. VA DESIGN GUIDE (PLUMBING AND SEISMIC – 2024)
   - J. VHA DIRECTIVE 1061–PREVENTION OF HEALTHCARE–ASSOCIATED LEGIONELLA DISEASE AND SCALD INJURY FROM POTABLE WATER DISTRIBUTION SYSTEMS.
   - K. VA HVAC DESIGN GUIDE – 2025
   - L. VA STEAM HEATING – 2024 AND OUTSIDE DISTRIBUTION SYSTEMS DESIGN GUIDE – 2022
   - N. ANSI/ASHRAE STANDARD 188–2015 LEGIONELLOSIS: RISK MANAGEMENT FOR BUILDING WATER SYSTEMS.
   - O. VA PHYSICAL SECURITY & RESILIENCY DESIGN MANUAL (1 JAN 24 REVISION)
10. THE CONTRACTOR SHALL PROVIDE SENSORS, CONTROLLERS, ACTUATORS, WIRING, ETC. NECESSARY TO INTEGRATE SYSTEMS/EQUIPMENT WITH THE FACILITY BUILDING MANAGEMENT SYSTEM (SEE SPECIFICATIONS AND DRAWINGS).
11. THE CONTRACTOR SHALL PROTECT THE PIPING AND DUCTWORK FROM STRESS AND STRAIN.
12. ALL MATERIALS, EQUIPMENT AND DEVICES SHALL, AT A MINIMUM, MEET THE REQUIREMENTS OF UL WHERE UL REQUIREMENTS ARE ESTABLISHED FOR THOSE ITEMS. ALL ITEMS SHALL BE CLASSIFIED BY UL AS SUITABLE FOR THE PURPOSE OF THE CODE.
13. WHERE PIPES PENETRATE FIRE RATED OR SMOKE RATED BARRIERS (WALLS, FLOORS, AND CEILINGS) CONTRACTOR SHALL SEAL PENETRATIONS IN ACCORDANCE WITH NFPA 90A WITH UL LISTED FIRE STOPPING SYSTEM. UTILIZE 3M OR HILTI FIRESTOPPING PRODUCTS PER VA REQUIREMENTS. REFER TO PROJECT SPECIFICATIONS.
14. CONTRACTOR SHALL PROVIDE FIRE DAMPERS, SMOKE DAMPERS, AND/OR COMBINATION FIRE/SMOKE DAMPERS AS REQUIRED WHERE DUCTWORK PENETRATES A FIRE/SMOKE RATED ASSEMBLY.
15. COORDINATE LOCATION OF PIPING AND DUCTWORK WITH ELECTRICAL PANELS BY ELECTRICAL CONTRACTOR. DO NOT INSTALL PIPING OR DUCTWORK IN DEDICATED SPACE FOR ELECTRIC PANEL.
16. ALL EQUIPMENT AND MATERIALS INCORPORATED IN THIS WORK SHALL BE NEW UNLESS OTHERWISE NOTED AND SHALL BE CURRENT PRODUCTS BY MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SUCH PRODUCTS.
17. ALL EQUIPMENT COATINGS AND FINISHES SHALL BE PROVIDED WITHOUT RUST, SCRATCHES, OR DENTS.

COORDINATION REQUIREMENT:

1. COORDINATE LOCATIONS AND INSTALLATION OF WORK TO AVOID CONFLICTS AND INTERFERENCES. MODIFICATIONS DUE TO FIELD CONDITIONS SHALL BE COMPLETELY RESOLVED BY CONTRACTOR IN ACCORDANCE WITH RECOMMENDATIONS OF THE VA.

INSTALLATION REQUIREMENTS:

1. INSTALL ALL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN CLEARANCES FOR ACCESS TO MAINTAIN AND SERVICE EQUIPMENT, VALVES AND CONTROLS.
2. ALL WORK SHALL BE PERFORMED IN A NEAT, WORKMANLIKE MANNER SO AS NOT TO DAMAGE ANY SURFACES, EQUIPMENT OR MATERIALS.
3. ALL EQUIPMENT AND PIPING SHALL BE SUPPORTED IN AN APPROVED MANNER FROM THE BUILDING STRUCTURE AND INCLUDE HANGERS AND RESTRAINTS IN ACCORDANCE WITH ALL APPLICABLE CODES. CONTRACTOR SHALL PROVIDE ALL REQUIRED BRACING AND SEISMIC RESTRAINTS TO SUPPORT EQUIPMENT, DUCTWORK, AND PIPING.
4. PROVIDE PIPE ESCUTCHEONS AT ALL EXPOSED PIPING PENETRATIONS OF FLOORS, WALLS, AND CEILINGS.
5. THE MANUFACTURERS AND MODEL NUMBERS LISTED ON THE SCHEDULES AND DETAILS ARE THE BASIS OF DESIGN FOR THIS PROJECT. THIS INFORMATION IS PROVIDED FOR REFERENCE PURPOSE ONLY AND IS NOT INTENDED TO PRECLUDE SUBMITTAL OF OTHER MANUFACTURERS OF EQUAL QUALITY SUBJECT TO APPROVAL BY THE COR.
6. PIPING AND DUCT RUNOUTS TO EQUIPMENT SHALL BE SIZED AS INDICATED AND SHALL BE INCREASED OR REDUCED AT THE POINT OF FINAL CONNECTION TO THE EQUIPMENT.
7. ALL SYSTEMS SHALL BE TESTED FOR PROPER OPERATION IN ACCORDANCE WITH APPLICABLE CODE OR REGULATION.
8. CONTRACTOR SHALL SEAL ALL PIPE PENETRATIONS THROUGH WALLS AND FLOORS WATERTIGHT. REFER TO PROJECT SPECIFICATIONS FOR PIPE SLEEVE REQUIREMENTS. SEAL ALL PIPE PENETRATION THROUGH FIRE–RATED PARTITIONS WITH UL RATED FIRE RETARDANT CAULKING COMPOUND. FIRE CAULK SHALL BE AS MANUFACTURED BY 3M OR HILTI PRODUCTS.
9. CONTRACTOR SHALL ENSURE ALL PENETRATIONS IN RATED WALLS ARE SEALED AT THE END OF EACH DAY. PENETRATIONS CANNOT BE LEFT OPEN OVERNIGHT.

DUCTWORK SYMBOLS

- FC — FLEXIBLE CONNECTION, EQUIPMENT, VIBRATION, OR SEISMIC
- VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
- VANED ELBOW (SHORT RADIUS)
- STANDARD RADIUS ELBOW (LONG RADIUS)
- NEW DUCT (INSIDE DIMENSIONS: WIDTH x DEPTH)
- EXISTING DUCT TO REMAIN
- EXISTING DUCT TO BE REMOVED
- FLEXIBLE DUCTWORK (INSULATED)
- DUCT WITH SOUND LINING
- DAMPER
- UP DN — CEILING DIFFUSERS
- UP DN — EXHAUST DUCT (UP & DOWN)
- DIRECTION OF AIR FLOW (IN DUCT)
- DIRECTION OF AIR FLOW (DIFFUSER/GRILLE)
- SUPPLY TOP REGISTER OR GRILLE (WALL TYPE)
- EXHAUST OR RETURN CEILING REGISTER OR GRILLE
- EXHAUST OR RETURN REGISTER OR GRILLE (WALL TYPE)
- VANED ELBOW & AIR SPLIT TYPE DUCT TAKE–OFF
- R — INCLINED RISE, IN DIRECTION OF AIR FLOW
- D — INCLINED DROP, IN DIRECTION OF AIR FLOW
- FC — FLEXIBLE CONNECTION

DRAWING SYMBOLS

- 2 / H4 — DETAIL NUMBER / DRAWING NUMBER WHERE DRAWN
- A / H7 — SECTION LETTER / DRAWING NUMBER WHERE SHOWN
- XX / XX — EQUIPMENT TAG REFER TO SCHEDULES
- BUILDING # — XX / XX — XXXX / CFM — CFM (CUBIC FEET PER MINUTE) — DIFFUSER TAG — DIFFUSER TYPE

DIFFUSER ABBREVIATIONS

- SD = SUPPLY DIFFUSER
- RD = RETURN DIFFUSER
- ED = EXHAUST DIFFUSER
- SG = SUPPLY GRILLE
- RG = RETURN GRILLE
- EG = EXHAUST GRILLE

GENERAL MECHANICAL SYMBOLS

- GATE VALVE
- CHECK VALVE
- GLOBE VALVE
- BALL VALVE
- CHECK VALVE
- BUTTERFLY VALVE
- BALANCING VALVE
- PRESSURE REGULATING VALVE
- WYE STRAINER (WITH BALL VALVE & HOSE CONNECTION)
- WYE STRAINER WITH VALVED DRAIN AND QUICK–COUPLE HOSE CONNECTOR
- VALVE ON RISE
- VALVE ON DROP
- INVERTER BUCKET TRAP ASSEMBLY
- PIPE REDUCER
- DIRECTION OF FLOW
- TOP CONNECTION, 45° OR 90°
- BOTTOM CONNECTION, 45° OR 90°
- SIDE CONNECTION
- CAPPED OUTLET
- CAP OR PLUG
- CHANGE OF ELEVATION ON PIPE
- PIPE RISES TO NEXT FLOOR
- PIPE DROPS
- PIPE RISES AND DROPS TO NEXT FLOORS
- PIPE ANCHOR
- STRAINER
- THERMOMETER
- PRESSURE GAGE
- FLEXIBLE CONNECTION
- M — FLOW METER
- PUMP
- T — THERMOSTAT
- H — H2 ALARM HORN/STROBE
- LOUVER (LOUVER SPECIFIED IN ARCHITECTURAL SECTION.)

MECHANICAL PIPING

- D — D — CONDENSATE DRAIN PIPING
- RL — RL — REFRIGERANT LIQUID PIPING
- RS — RS — REFRIGERANT SUCTION PIPING

MECHANICAL EQUIPMENT DESIGNATIONS

MECHANICAL TAG	DESCRIPTION OF EQUIPMENT
EF	EMERGENCY H2 EXHAUST FAN
LV	EMERGENCY OA INTAKE LOUVER W/ MOTORIZED DAMPER
VRF	OUTDOOR, INVERTER DRIVEN COMPRESSOR, VRF AIR–TO–AIR HEAT WITH LOW–AMBIENT HEATING CAPACITY.
FCU	FAN COIL UNIT
EUH	ELECTRIC UNIT HEATER

NOTE: SEE EQUIPMENT SCHEDULES ON SHEET M–100

NOTE: NOT ALL SYMBOLS USED.

Revisions:	Date:

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Office of Construction and Facilities Management

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Drawing Title: MECHANICAL SYMBOLS & NOTES	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: M-001
		Issue Date: 10/29/2025 — Checked: D.L.E. — Drawn: T.C.M.	

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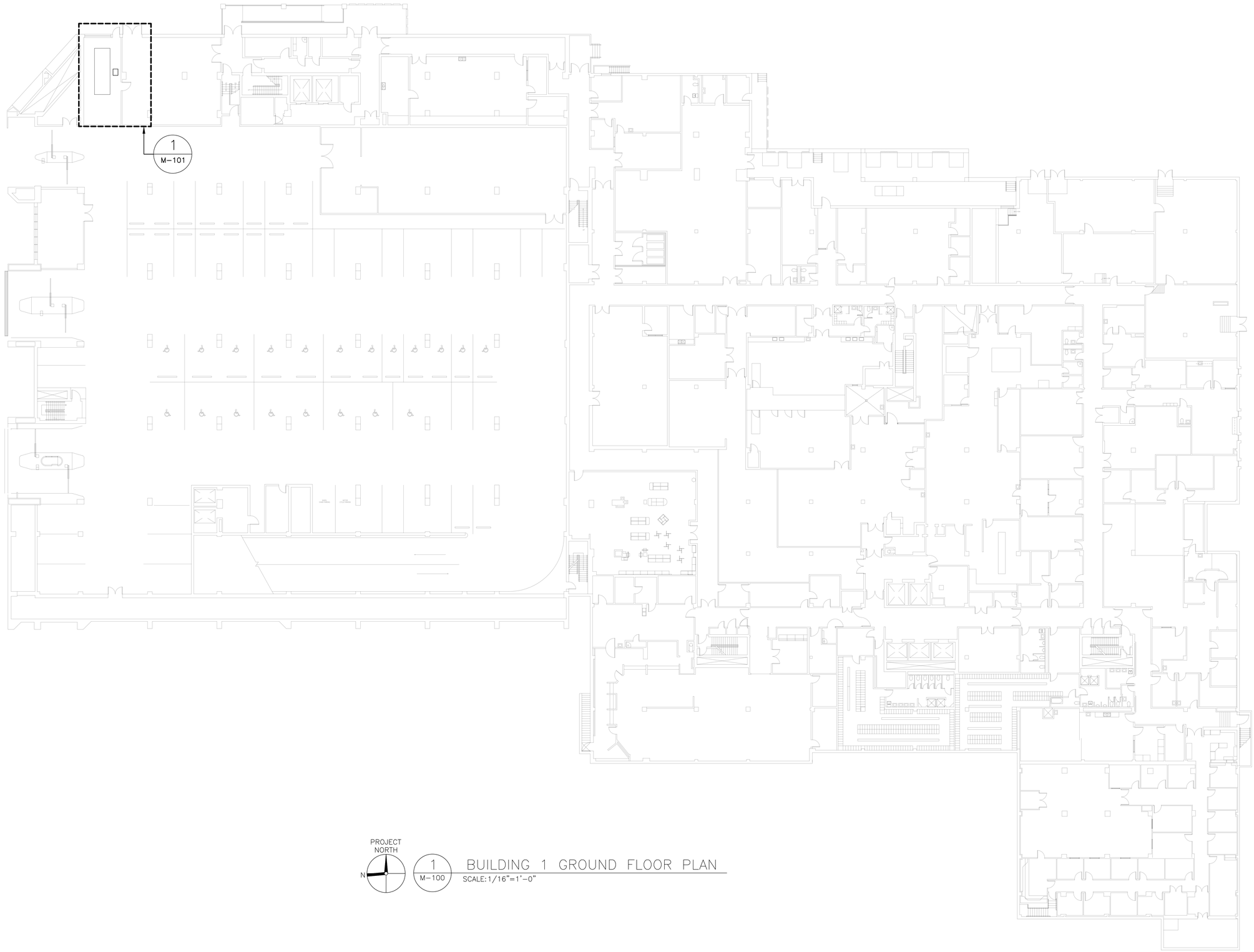

PROJECT NORTH

N

1
M-100

BUILDING 1 GROUND FLOOR PLAN

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

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Office of Construction and Facilities Management

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Drawing Title: BUILDING 1 GROUND FLOOR PLAN	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 1
		Issue Date: 10/29/2025 / Checked: D.L.E. / Drawn: K.E.B.	Drawing Number: M-100

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DEHUMIDIFER SCHEDULE

MARK	LOCATION	HUMIDIFIER TYPE	CAPACITY				ELECTRIC					MANUFACTURER	MODEL	REMARKS
			AIRFLOW	MOISTURE REMOVAL	DEWPOINT	RH	VOLTAGE	PHASE	HERTS	MCA	MOCP			
			CFM	LB/HR	°F	%	V	Ø	HZ	A	A			
DH-1	D003 EMERGENCY GENERATOR	RERIGERANT EVAPORATOR/CONDENSER	830	15	80	60	[277]	1	60	[9]	[20]	DRISTEEM	RL-14	

REMARKS
1. HARD WIRED CONNECTION
2. STAND ALONG CONTROLLER
3. PROVIDE HANGING KIT

CONTROL DAMPER SCHEDULE

MARK	TYPE	APPLICATION	PERFORMANCE		MATERIAL	BASIS OF DESIGN		REMARKS
			AIR FLOW	FRAME SIZE		MANUFACTURER	MODEL	
			CFM	IN x IN				
D-1	OPPOSED BLADE VOLUME CONTROL DAMPER	MODULATING	40,000	131x98	GALVANIZED	GREENHECK	VCD-23	1,2,3

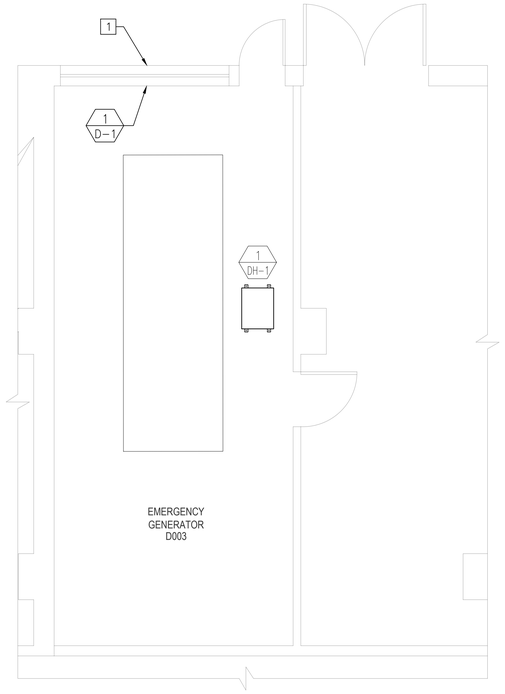
REMARKS
1. ABOVE "BASIS OF DESIGN" COLUMN SHALL BE CONSIDERED BASIS OF DESIGN OR APPROVED EQUAL.
2. REFER TO DETAIL 2/M-101 FOR DAMPER SCHEMATIC AND SEQUENCE OF OPERATION.
3. CONTRACTOR TO VERIFY SIZE PRIOR TO SUBMITTAL OF SHOP DRAWINGS.

GENERAL NOTES

1. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE SCHEDULED REQUIREMENTS AS OUTLINED IN THE PROJECT SPECIFICATIONS. CONTRACTOR SHALL PROVIDE REQUIRED NOTICE AND ADHERE TO WORK HOURS UNLESS OTHERWISE DIRECTED BY PROJECT COR.
2. ALL WORK LOCATED WITHIN MECHANICAL ROOMS, UTILITY CLOSETS, AND STORAGE SPACES SHALL BE COMPLETED DURING WEEKDAYS AND COORDINATED WITH THE FACILITY.
3. ANY WORK DURING AFTER–HOURS DURING WEEKDAYS OR DURING THE WEEKEND MUST BE COORDINATED WITH VA POLICE DEPARTMENT.
4. FIRE STOPPING SHALL BE REPLACED OR ADDED WHENEVER PROJECT RELATED WORK PENETRATES A FIRE RATED WALL.
5. CONTRACTOR SHALL INFORM VA COR/FACILITY OF ANY CHANGES TO THE PHASING PLAN AND/OR SCHEDULE.

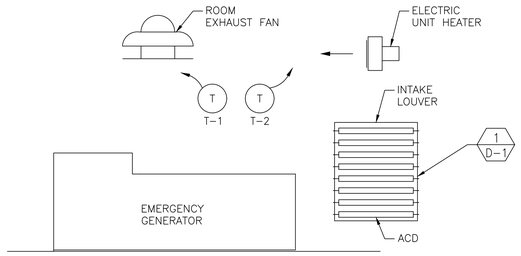
KEYED DEMOLITION NOTE

1 REPLACE EXISTING CONTROL DAMPER. REPLACEMENT DAMPER SHALL MEET ALL REQUIREMENTS TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM. CONTRACTOR SHALL VERIFY CONTROL DAMPER SIZE PRIOR TO REPLACEMENT. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL ASSOCIATED MATERIALS AND CONNECTIONS.



PROJECT NORTH

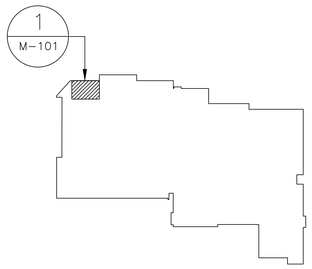
1 / M–101 BUILDING 1 GROUND FLOOR ENLARGED MECHANICAL NEW WORK PLAN
SCALE: 1/4"=1'–0"



NOTES

1. EMERGENCY GENERATOR SHALL BE INTERLOCKED WITH D–1. WHEN EMERGENCY GENERATOR IS ENERGIZED D–1 SHALL OPEN. WHEN EMERGENCY GENERATOR IS DE–ENERGIZED D–1 SHALL CLOSE, PROVIDED ROOM EXHAUST FAN IS OFF.
2. ROOM EXHAUST FAN SHALL BE INTERLOCKED WITH D–1 & ROOM THERMOSTAT T–1. WHEN ROOM THERMOSTAT RISES ABOVE 85°F [29°C] ROOM EXHAUST FAN SHALL RUN & D–1 SHALL OPEN. WHEN ROOM THERMOSTAT DROPS BELOW 80°F [27 C] ROOM EXHAUST FAN SHALL STOP & D–1 SHALL CLOSE, PROVIDED EMERGENCY GENERATOR IS DE–ENERGIZED.
3. ELECTRIC UNIT HEATER SHALL BE INTERLOCKED WITH ROOM THERMOSTAT T–2 SET AT 45°F [7.2°C]. ON A DROP IN ROOM TEMPERATURE BELOW 43°F [6.1°C] ELECTRIC UNIT HEATER SHALL BE ENERGIZED & ON A RISE IN ROOM TEMPERATURE ABOVE 47°F [8.3°C].

2 / M–101 EMERGENCY GENERATOR ROOM CONTROLS
SCALE: NOT TO SCALE



PROJECT NORTH

BUILDING 1 GROUND FLOOR KEY PLAN
SCALE: 1/128"=1'–0"

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Drawing Title: BUILDING 1 GROUND FLOOR ENLARGED MECHANICAL NEW WORK PLAN	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: 1
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: M-101
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ABBREVIATIONS

AMP./A.	AMPERE
AC.	ALTERNATING CURRENT
A/C.	AIR CONDITION
A.F.F.	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
A.I.C.	AMPERES INTERRUPTING CAPACITY
AL	ALUMINUM
ARCH.	ARCHITECTURAL
A.R.F.	ABOVE RAISED FLOOR
ASY.	ASYMMETRICAL
A.T.C.	AUTOMATIC TEMPERATURE CONTROL
ATS	AUTOMATIC TRANSFER SWITCH
AUX.	AUXILIARY
A	ANALOG AMMETER
B.F.S.	BELOW FINISHED CEILING
BLDG.	BUILDING
BKR.	BREAKER
BSMT.	BASEMENT
.C.	CENTIGRADE DEGREES
CLG.	CEILING
CKT.	CIRCUIT
CB	CIRCUIT BREAKER
CW	CLOCKWISE
COL.	COLUMN
CONC.	CONCRETE
CCTV	CLOSED CIRCUIT TELEVISION
C./COND.	CONDUCTOR
CU. FT.	CUBIC FEET
CONTR.	CONTRACTOR
CU.	COPPER
CONST.	CONSTRUCTION
COAX.	COAXIAL
COORD.	COORDINATE
CONT.	CONTINUATION
CMU	CONCRETE MASONRY UNIT
C.T.	CURRENT TRANSFORMER
DEMO	DEMOLITION
DISC.	DISCONNECT SWITCH
DIV.	DIVISION
DN.	DOWN
EA.	EACH
E.F.	EXHAUST FAN
ELEC. CL.	ELECTRICAL CLOSET
ELEC.	ELECTRICAL
E.C.	ELECTRICAL CONTRACTOR
ELEV/EL.	ELEVATION/ELEVATOR
E.M.A.	ELECTRICAL METALLIC TUBING
ENT.	ENTRANCE
ENCL.	ENCLOSURE
EQ.	EQUAL
EQUIP.	EQUIPMENT
E.W.	EACH WAY
EXT.	EXTERNAL/EXTERIOR
F.A.	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
.F.	FAHRENHEIT DEGREES
FC	FOOTCANDLE
FT.	FEET
F.E.	FIRE EXTINGUISHER
FDN.	FOUNDATION
FIN.	FINISH/FINISHED
FIXT.	FIXTURE
FLEX.	FLEXIBLE
FL.	FLOOR
FLA	FULL LOAD AMPERES
FLUOR.	FLUORESCENT
FPC	FIRE PUMP CONTROLLER
GA.	GAGE/GAUGE
GALV.	GALVANIZED
G.C.	GENERAL CONTRACTOR
GEN.	GENERATOR
GND.	GROUND
G.F.I.	GROUND FAULT INTERRUPTER
G.R.S.C.	GALVANIZED RIGID STEEL CONDUIT
HT.	HEIGHT
H.I.D.	HIGH INTENSITY DISCHARGE
HORIZ.	HORIZONTAL
H.O.A.	HAND OFF AUTO
HP.	HORSEPOWER
H.P.S.	HIGH PRESSURE SODIUM
HZ.	HERTZ
INC.	INCANDESCENT
IMC	INTERMEDIATE CONDUIT
ISOL.	ISOLATED
INSUL.	INSULATION/INSULATED
J	JUNCTION BOX
KHZ	KILOHERTZ
KW	KILOWATT
KWH	KILOWATT HOUR
KVA	KILOVOLT–AMPERE
KVAR	KILOVAR
KV	KILOVOLT

LAN	LOCAL AREA NETWORK
LG.	LENGTH
LF	LINEAR FEET
LT	LIGHT
LTG	LIGHTING
LRA	LOCKED ROTOR AMPERES
LG	LONG
MCC	MOTOR CONTROL CENTER
M.C.	MECHANICAL CONTRACTOR
M/C	MULTI–CONDUCTOR
MDS	MAIN DISTRIBUTION SWITCHBOARD
MDP	MAIN DISTRIBUTION PANEL
MANUF.	MANUFACTURER
MF	MAINTENANCE FACTOR
MAX.	MAXIMUM
MB	MAIN BREAKER
MECH.	MECHANICAL
MCM	THOUSAND CIRCULAR MILLS
MG	MOTOR GENERATOR
MTD.	MOUNTED
MIN.	MINIMUM
M.L.O.	MAIN LUGS ONLY
MTS	MANUAL TRANSFER SWITCH
MET	METER
MFR–M	MULTI–FUNCTION RELAY MAIN
MFR–T	MULTI–FUNCTION RELAY TIE
MFR–F	MULTI–FUNCTION RELAY FEEDER
N.	NEUTRAL
NC	NORMAL CLOSED
N.E.C.	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
NO./#	NUMBER
ϕ	PHASE
P.V.C.	POLYVINYLCHLORIDE
PB	PULL BOX
PF	ANALOG POWER FACTOR METER
PNL.	PANELBOARD
P.C.	PLUMBING CONTRACTOR
PRI.	PRIMARY
R.	RADIUS
RF	RADIO FREQUENCY
REBAR.	REINFORCING BAR
RECEPT.	RECEPTACLE
REQ'D	REQUIRED
REV.	REVISE/REVISION
REC.	RECESSED
R..SW.	REMOTE CONTROL SWITCH
RGS	RIGID GALVANIZED STEEL CONDUIT
SECT.	SECTION
SEC.	SECONDARY
SERV.	SERVICE
1/C	SINGLE CONDUCTOR
SK.	SKETCH
SPECS.	SPECIFICATIONS
SQ.	SQUARE
S.F.	SQUARE FEET
STA.	STATION
SW.	SWITCH
S.S.	STAINLESS STEEL
SWBD	SWITCHBOARD
SYM.	SYMMETRICAL
SUSP.	SUSPENDED
SEP.	SEPARATE
SHT.	SHEET
SIG.	SIGNAL
SN	SOLID NEUTRAL
SURF.	SURFACE
THRU	THROUGH
TEL.	TELEPHONE
TRANSF./XFMR	TRANSFORMER
TYP.	TYPICAL
U.O.C.	UNLESS OTHERWISE NOTED
U.R.F.	UNDER RAISED FLOOR
VS.	VERSUS
VERT.	VERTICAL
VD	VOLTAGE DROP
V.	VOLTAGE/VOLTS
V	ANALOG KILOVOLTMETER
WP	WEATHERPROOF
WD.	WIDE
W/	WITH
W/O	WITHOUT
W/I	WROUGHT IRON

POWER

- PANELBOARD (HATCHING INDICATES VOLTAGE)
- 208/120V
- 480/277V
- SWGR — SWITCHGEAR
- T — TRANSFORMER
- BMS — BUILDING MANAGEMENT SYSTEM PANEL
- FACP — FIRE ALARM CONTROL PANEL
- ATS — AUTOMATIC TRANSFER SWITCH
- V — VARIABLE FREQUENCY DRIVE
- JB — JUNCTION BOX
- M — MOTOR CONNECTION. NUMBER INDICATES HORSEPOWER
- UNFUSED DISCONNECT SWITCH. SIZE AS NOTED
- FUSED DISCONNECT SWITCH, SIZE AS NOTED
- COMBINATION DISCONNECT SWITCH AND MAGNETIC MOTOR CONTROLLER, SIZE AS NOTED
- J — FLUSH WALL JUNCTION BOX OR JUNCTION BOX ABOVE CEILING
- RECEPTACLE
- SPD — TRANSIENT VOLTAGE SURGE SUPPRESSOR RECEPTACLE
- GFCI RECEPTACLE
- WP — WEATHER PROOF GFCI RECEPTACLE
- S_M — MOTOR STARTER SWITCH
- XX–XX–(XX) — (CIRCUIT NUMBER) (PANEL DESIGNATION)
- CIRCUITING
- SHUTTLE SERVICE CALL BOX
- H — H2 DETECTION PANEL HORN/STROBE
- TELECOMMUNICATION CONNECTION
- MH — MANHOLE

LIGHTING

- 2'x4' LIGHTING FIXTURE. SHADING INDICATES FIXTURE TO BE ON EMERGENCY OR NIGHT LIGHT CIRCUITING. SLASH INDICATES FIXTURE IS RECESSED.
- 2'x2' LIGHTING FIXTURE. SHADING INDICATES FIXTURE TO BE ON EMERGENCY OR NIGHT LIGHT CIRCUITING. SLASH INDICATES FIXTURE IS RECESSED.
- 1'x4' LIGHTING FIXTURE. SHADING INDICATES FIXTURE TO BE ON EMERGENCY OR NIGHT LIGHT CIRCUITING. SLASH INDICATES FIXTURE IS RECESSED.
- WALLPACK LIGHTING FIXTURE. SHADING INDICATES FIXTURE TO BE ON EMERGENCY OR NIGHT LIGHT CIRCUITING. SLASH INDICATES FIXTURE IS RECESSED.
- WALL MOUNTED EXIT SIGN (SHADED QUADRANT INDICATES FACE). DIRECTIONAL ARROWS AS INDICATED ON FLOOR PLANS
- WALL MOUNTED LIGHT
- CEILING MOUNTED LIGHT
- EMERGENCY LIGHT WITH BATTERY BACKUP
- S — SINGLE–POLE SWITCH
- S_3 — THREE WAY SWITCH
- S_4 — FOUR WAY SWITCH
- POLE MOUNTED LIGHT

ONE–LINE DIAGRAM

- DEMOLITION
- EXISTING ENCLOSURE
- DEMOLISHED CONDUCTORS
- EXISTING CONDUCTOR
- EXISTING BUS
- EXISTING CIRCUIT BREAKER
- EXISTING AUTOMATIC TRANSFER SWITCH/MANUAL TRANSFER SWITCH
- NEW WORK ENCLOSURE/CONDUCTOR
- NEW WORK BUS
- NEW WORK CIRCUIT BREAKER
- NEW WORK AUTOMATIC TRANSFER SWITCH/MANUAL TRANSFER SWITCH
- NEW WORK AUTOMATIC TRANSFER SWITCH/ MANUAL TRANSFER SWITCH WITH BY–PASS
- TRANSFORMER
- G — GENERATOR
- SPLICE CONNECTION
- M — MOTOR CONNECTION (NUMBER INDICATES HORSEPOWER)
- FUSED DISCONNECT
- SWITCH

GENERAL

- DEMOLITION
- NEW WORK
- EXISTING
- UG — UNDERGROUND ELECTRICAL CONDUIT
- E — ELECTRICAL CONDUIT

ATS SEQUENCE OF OPERATIONS NOTES

1. CONTRACTOR SHALL PROVIDE ALL DEVICES, CONNECTIONS, PROGRAMMING, AND INSTALLATIONS TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM AT THE COMPLETION OF INSTALLATION. SEQUENCE OF OPERATIONS SHALL BE FULLY FUNCTIONAL AT THE COMPLETION OF CONSTRUCTION.
2. ALL WORK AND FINAL SEQUENCE OF OPERATIONS SHALL BE COORDINATED WITH THE VA COR.
3. ALL CONNECTIONS AND SEQUENCING SHALL BE AS PER VA ELECTRICAL DESIGN MANUAL, NFPA 110, NFPA 99, AND NFPA 70.

ELECTRICAL DEMOLITION NOTES

1. REMOVE ALL OBSOLETE ELECTRICAL EQUIPMENT, FIXTURES, CONDUIT, WIRING, CONTROLS, HANGERS, PADS, AND SUPPORTS UNLESS OTHERWISE INDICATED TO REMAIN. CONTRACTOR SHALL DISCONNECT CIRCUIT AND WIRING FROM DEMOLISHED EQUIPMENT. WIRING MADE OBSOLETE BY THE NEW CONSTRUCTION SHALL BE REMOVED COMPLETELY BACK TO SOURCE. CONDUIT MADE OBSOLETE BY THE NEW CONSTRUCTION SHALL BE REMOVED COMPLETELY OR SECURELY SEALED AND CAPPED IF IN SLAB SO THAT IT IS COMPLETELY CONCEALED AT THE COMPLETION OF THE PROJECT. PIPING AND WIRING REMOVED FROM THE EXISTING ELECTRICAL SYSTEMS SHALL NOT BE USED IN THE INSTALLATION OF THE NEW SYSTEMS.
2. DEMOLITION INCLUDES, BUT IS NOT LIMITED TO, REMOVAL AND LEGAL DISPOSAL OF EQUIPMENT AND SYSTEMS MADE OBSOLETE AND/OR REPLACED BY NEW WORK. PROVIDE WEIGHT TICKETS FOR ALL WASTE LEAVING THE PROPERTY. DEMOLITION INCLUDES RELOCATION OR REINSTALLATION, DISCONNECTIONS AND RECONNECTIONS OF SERVICES, SUPPORTS, AND SUBSEQUENT FINAL SUPPORTS, TEMPORARY CAPPING, AND REROUTING OF TEMPORARY SERVICES TO PERMIT NEW OR RENOVATION WORK TO PROCEED.
3. THE DEMOLITION WORK INDICATED ON THE DRAWING IS INTENDED TO ASSIST THE CONTRACTOR AND GIVE GENERAL INFORMATION. NOT ALL DEMOLITION OR TEMPORARY CONNECTIONS ARE SHOWN. PRIOR TO SUBMITTING BID, THE CONTRACTOR SHALL VISIT THE PROJECT SITE. CONTRACTOR IS RESPONSIBLE TO DETERMINE THE FULL EXTENT OF DEMOLITION, AND INCLUDE ALL REQUIRED DEMOLITION WORK IN HIS BID, WHETHER OR NOT SPECIFICALLY SHOWN ON DRAWINGS. NO ADDITIONAL COST WILL BE GRANTED FOR DEMOLITION. LEGALLY DISPOSE OF ALL ITEMS AND MATERIALS, EXCEPT ANY ITEMS SPECIFICALLY DESIGNATED BY THE OWNER TO BE SALVAGED. REMOVE AND REPLACE THE DESIGNATED SALVAGED EQUIPMENT IN A LOCATION DIRECTED BY THE OWNER AT NO ADDITIONAL EXPENSE.
4. MAINTAIN CONTINUITY OF EXISTING CIRCUITS FOR EQUIPMENT AND DEVICES TO REMAIN. IF A DEVICE OR EQUIPMENT IS REMOVED AND IS PART OF AN EXISTING CIRCUIT TO REMAIN, THE CIRCUIT SHALL BE RESTORED TO ITS ORIGINAL CONDITION.

GENERAL ELECTRICAL NOTES

1. ALL CONDUIT, JUNCTION BOXES, RECEPTACLE AND SWITCH COVERS SHALL BE LABELED WITH THE ASSOCIATED PANELBOARD AND CIRCUIT NUMBER. EQUIPMENT LABELS SHALL BE PHENOLIC PLACARDS. FOR NORMAL POWER, PLACARDS SHALL BE BLACK WITH WHITE WRITING. FOR EMERGENCY POWER, PLACARDS SHALL BE RED WITH WHITE WRITING.
2. THE THE AIC RATING OF EQUIPMENT SHALL MEET OR EXCEED SOURCE EQUIPMENT RATINGS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. FOR ALL EXPOSED CONDUIT INSTALLATIONS, CONDUIT SHALL BE RGS. FOR ALL CONCEALED AREAS IN WHICH CONDUIT IS TO BE INSTALLED, CONDUIT SHALL BE EMT.
4. ALL INSTALLATIONS SHALL BE COMPLETED TO ENSURE CIRCUITS ARE RETURNED TO THEIR EXISTING STATE OF OPERATION AT THE COMPLETION OF CONSTRUCTION.
5. CONTRACTOR SHALL VERIFY ALL ENDPOINT DEVICES PRIOR TO THE COMMENCEMENT OF WORK.
6. ALL EXISTING CONDITIONS SHALL BE VERIFIED PRIOR TO THE COMMENCEMENT OF WORK.
7. COORDINATE ALL SERVICE ENTRANCE INSTALLATIONS WITH KENTUCKY UTILITIES.
8. CONTRACTOR SHALL COORDINATE WITH ALL ONGOING PROJECTS AT THE LEXINGTON VAMC.
9. ALL WORK SHALL BE COORDINATED WITH THE VA COR.
10. PROVIDE UTILITY APPROVED EQUIPMENT FOR ALL UTILITY INSTALLATIONS.
11. NO LIVE ELECTRICAL WORK IS PERMITTED. ALL ELECTRICAL SHUT DOWNS FOR CONNECTIONS MUST BE REQUESTED AND COORDINATED 3 WEEKS IN ADVANCE.
12. ALL INSTALLATIONS SHALL MEET ALL REQUIREMENTS OF THE LATEST VERSION OF THE VA ELECTRICAL DESIGN MANUAL, NEC AND NESC.
13. CONTRACTOR SHALL SEAL ALL WALL PENETRATIONS TO MAINTAIN THE WALL'S EXISTING FIRE RATING. SEE TYPICAL PENETRATION PATCHING DETAIL.
14. EQUIPMENT NEMA ENCLOSURE RATINGS SHALL MEET OR EXCEED THE REQUIREMENTS OF THE AREA IN WHICH THE EQUIPMENT IS INSTALLED.
15. COORDINATE NEW EQUIPMENT DESIGNATIONS WITH VA COR. SUBMIT SHOP DRAWINGS NOTING PROPOSED EQUIPMENT NAMES PRIOR TO PRODUCTION OF ASSOCIATED PLACARD. SEE SPECIFICATION REQUIREMENTS FOR ASSOCIATED LABELING AND PLACARD REQUIREMENTS.
16. ALL UPDATED EQUIPMENT DESIGNATIONS SHALL BE COORDINATED WITH VA COR.
17. FIRE CAULK SHALL BE INSTALLED PER MANUFACTURER INSTALLATION REQUIREMENTS. FIRE CAULK SHALL BE INSTALLED BY A THIRD PARTY CERTIFIED CAULK INSTALLER. ADDITIONALLY, THE CONTRACTOR SHALL RETAIN A THIRD PARTY FIRE CAULK INSPECTOR TO COMPLETE ALL ASSOCIATED INSPECTIONS OF FIRE CAULK INSTALLATION THROUGHOUT THIS PROJECT.
18. CONTRACTOR SHALL ENSURE ALL PENETRATIONS IN RATED WALLS ARE SEALED AT THE END OF EACH DAY. PENETRATIONS CANNOT BE LEFT OPEN OVERNIGHT.
19. FOR ALL NEW INSTALLATIONS AND WHERE NOTED ON THE DRAWINGS, CONTRACTOR SHALL PROVIDE GROUND FAULT PROTECTION AS REQUIRED BY NEC, VA ELECTRICAL DESIGN MANUAL, AND SPECIFICATIONS.

NOTE: NOT ALL SYMBOLS, NOTES AND ABBREVIATIONS USED

Revisions:	Date:

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Commonwealth of Pennsylvania — Registered Professional — Daniel L. Bush — No. PE045114

Office of Construction and Facilities Management

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Drawing Title: ELECTRICAL SYMBOLS, NOTES AND ABBREVIATIONS	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: E-001
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	

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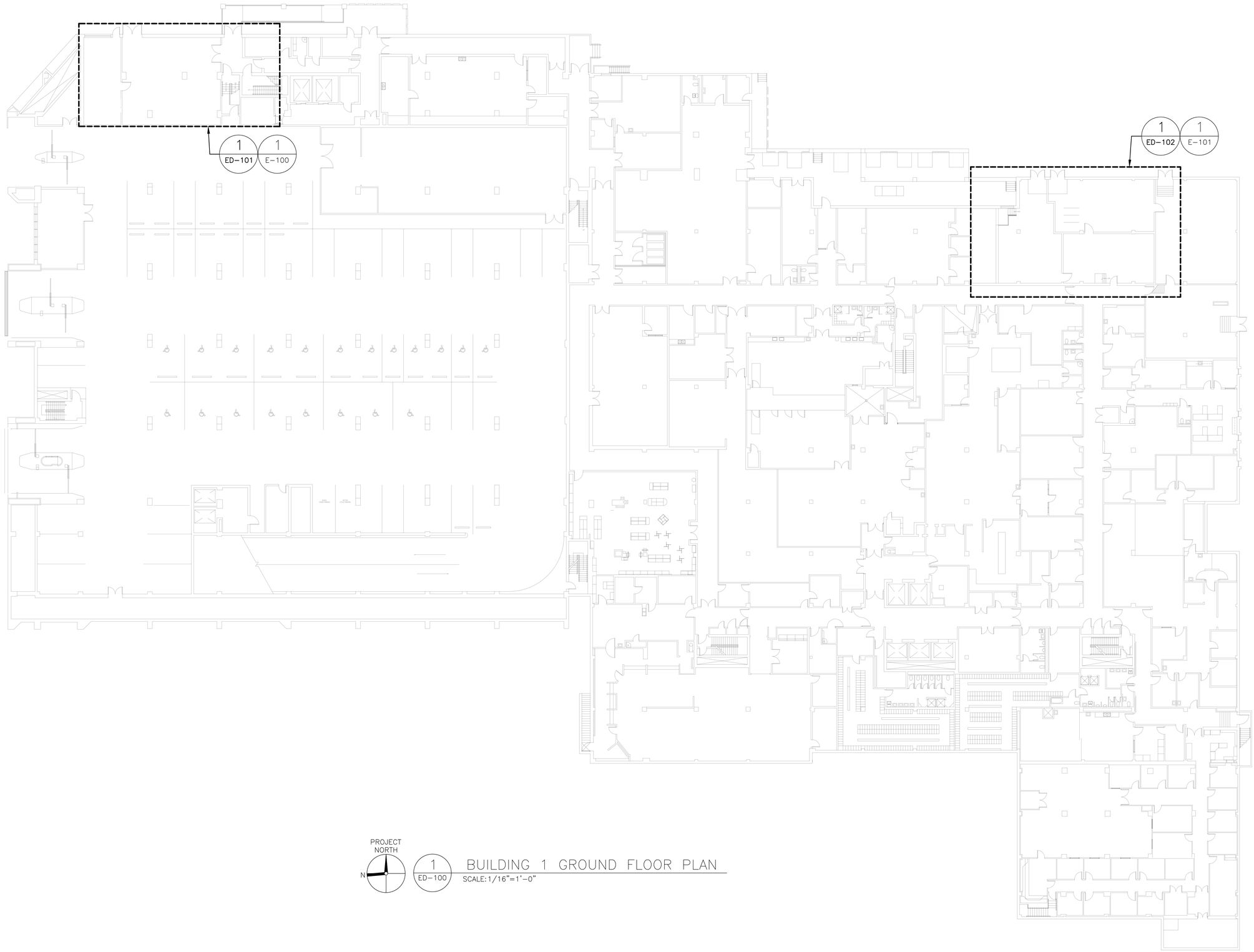

PROJECT NORTH

N

1
ED-100

BUILDING 1 GROUND FLOOR PLAN

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

Revisions:	Date:

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Drawing Title: BUILDING 1 GROUND FLOOR PLAN	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 1
		Issue Date: 10/29/2025 / Checked: D.L.E. / Drawn: K.E.B.	Drawing Number: ED-100

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GENERAL NOTE

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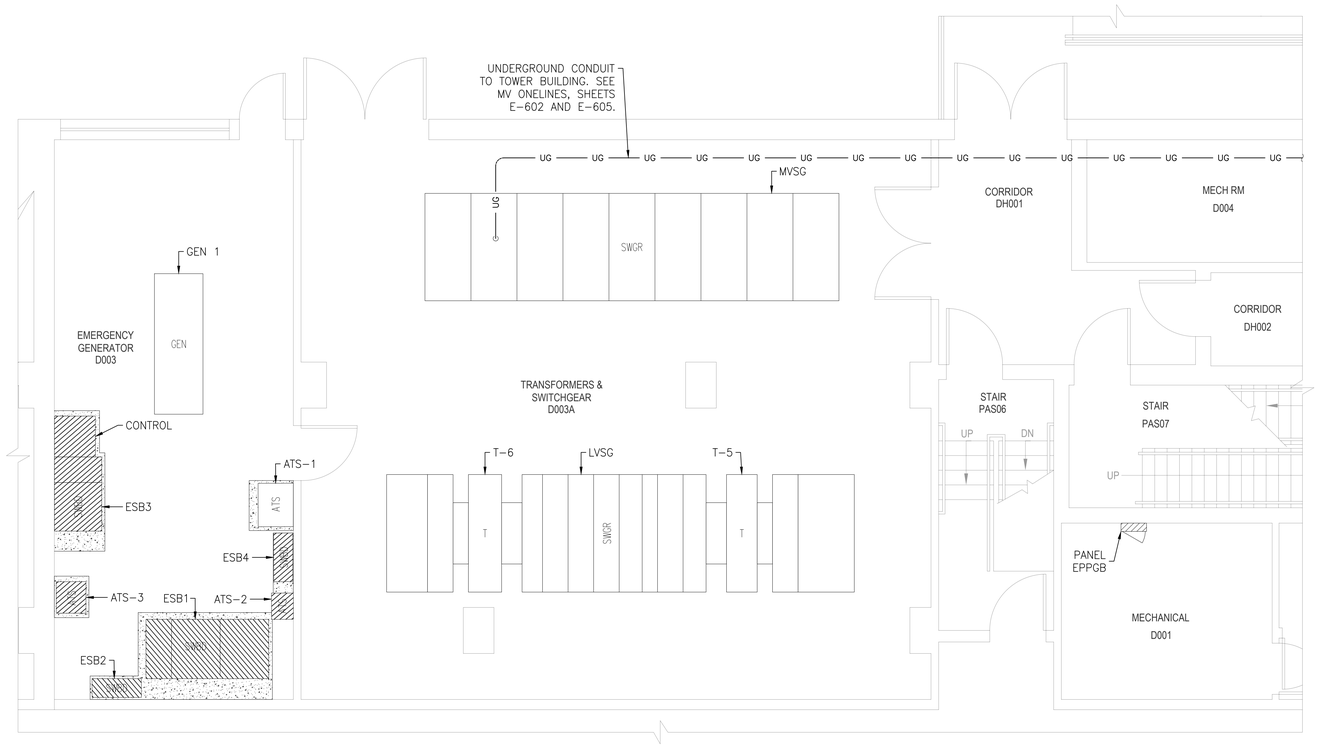


PROJECT NORTH

1 / ED-101

BUILDING 1 GROUND FLOOR ENLARGED ELECTRICAL DEMOLITION PLAN 1

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

ELECTRICAL EQUIPMENT SCHEDULE

DESIGNATION	TYPE	VOLTAGE	PHASE	AMPERAGE/ WATTAGE	EXISTING/ DEMOLITION
MVSG	SWITCH GEAR	12.47kV	3	1200A	EXISTING TO REMAIN
LVSG	SWITCH GEAR	277/480V	3	2000A	EXISTING TO REMAIN
EPPGB	PANEL	120/208V	3	30A	EXISTING TO REMAIN
ESB1	SWITCH BOARD	277/480V	3	400A	DEMOLISH
ESB2	SWITCH BOARD	277/480V	3	600A	DEMOLISH
ESB3	SWITCH BOARD	277/480V	3	1200A	DEMOLISH
ESB4	SWITCH BOARD	277/480V	3	600A	DEMOLISH

ATS SCHEDULE

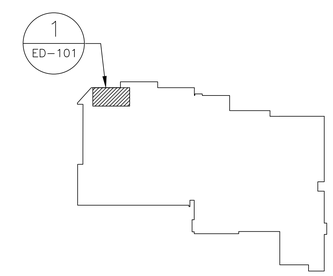
DESIGNATION	TYPE	VOLTAGE	PHASE	AMPERAGE/ WATTAGE	EXISTING/ DEMOLITION
ATS-1 EQUIPMENT	ATS	480V	3	600A	EXISTING TO REMAIN
ATS-2 LIFE SAFETY	ATS	480V	3	400A	DEMOLISH
ATS-3 CRITICAL	ATS	480V	3	600A	DEMOLISH

GENERATOR SCHEDULE

DESIGNATION	VOLTAGE	AMPERAGE	PHASE	EXISTING/ DEMOLITION
GEN 1	277/480V	992A	3	EXISTING TO REMAIN

TRANSFORMER SCHEDULE

DESIGNATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	PHASE	kVA	EXISTING/ DEMOLITION
T-5	12.47kV	277/480V	3	1500	EXISTING TO REMAIN
T-6	12.47kV	277/480V	3	1500	EXISTING TO REMAIN



PROJECT NORTH

BUILDING 1 GROUND FLOOR KEY PLAN

SCALE: 1/128"=1'-0"

Revisions:	Date:

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VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 1 GROUND FLOOR ENLARGED ELECTRICAL DEMOLITION PLAN 1	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 1
		Issue Date: 10/29/2025 / Checked: D.L.E. / Drawn: K.E.B.	Drawing Number: ED-101

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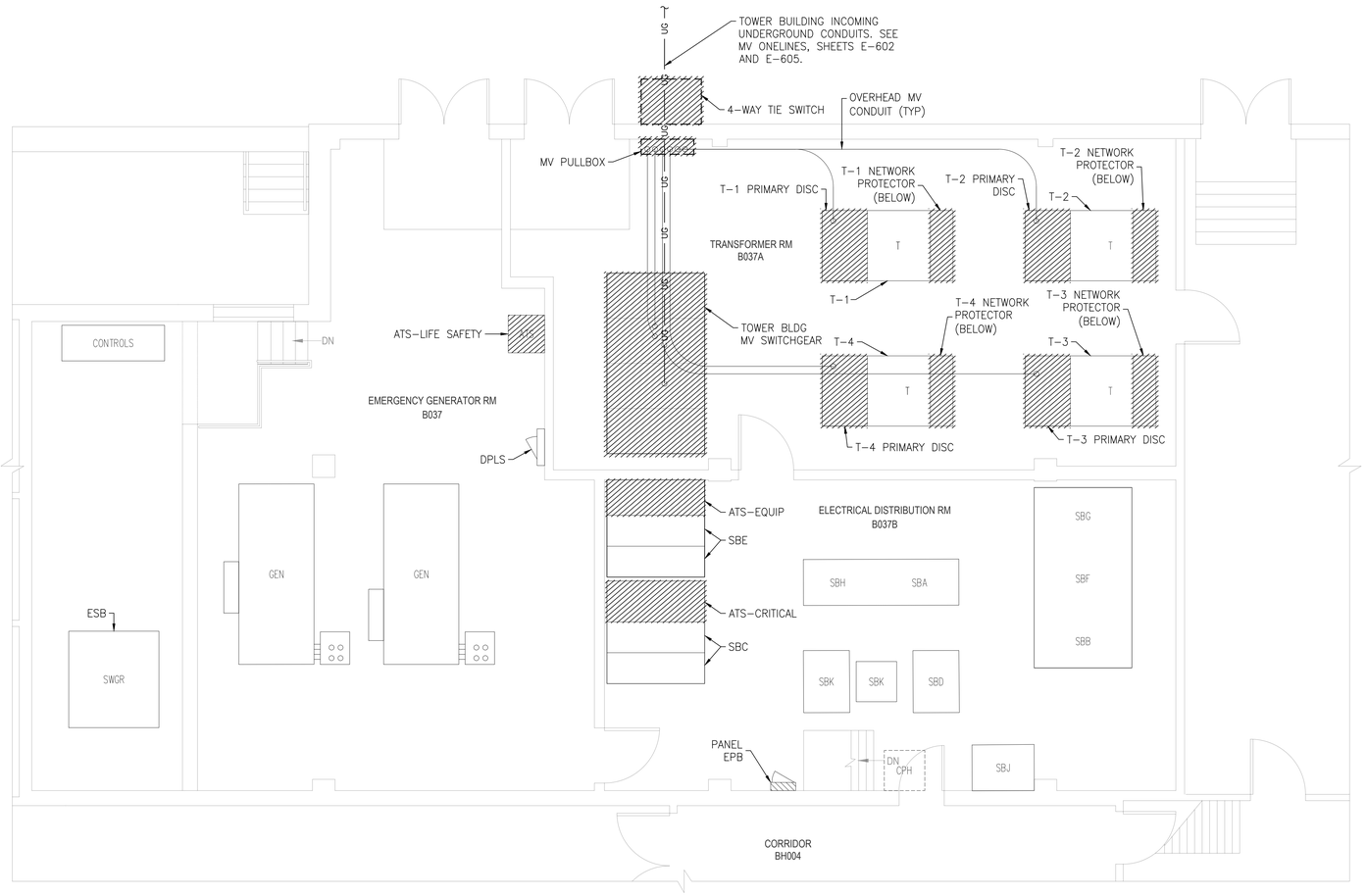


PROJECT NORTH

N

1 / ED-102

BUILDING 1 GROUND FLOOR ENLARGED ELECTRICAL DEMOLITION PLAN 2

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

ELECTRICAL EQUIPMENT SCHEDULE

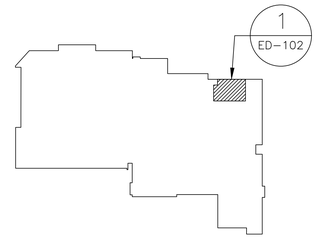
DESIGNATION	TYPE	VOLTAGE	PHASE	AMPERAGE/ WATTAGE	EXISTING/ DEMOLITION
ESB	SWITCH GEAR	277/480V	3	1200A	EXISTING TO REMAIN
SBA	SWITCH GEAR	277/480V	3	3000A	EXISTING TO REMAIN
DPLS	PANEL BOARD	277/480V	3	400A	EXISTING TO REMAIN
SBC	SWITCH BOARD	277/480V	3	1600A	EXISTING TO REMAIN
SBD	SWITCH BOARD	277/480V	3	3200A	EXISTING TO REMAIN
SBE	SWITCH BOARD	277/480V	3	1600A	EXISTING TO REMAIN
EPB	PANEL	120/208V	3	100A	EXISTING TO REMAIN
TOWER MV	SWITCH GEAR	12.47KV	3	XXXA	DEMOLISH

TRANSFORMER SCHEDULE

DESIGNATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	PHASE	kVA	EXISTING/ DEMOLITION
T-1	12.47kV	277/480V	3	1500	EXISTING TO REMAIN
T-2	12.47kV	277/480V	3	1000	EXISTING TO REMAIN
T-3	12.47kV	277/480V	3	1000	EXISTING TO REMAIN
T-4	12.47kV	277/480V	3	1500	EXISTING TO REMAIN

ATS SCHEDULE

DESIGNATION	TYPE	VOLTAGE	PHASE	AMPERAGE/ WATTAGE	EXISTING/ DEMOLITION
ATS-LIFE SAFETY	ATS	480V	3	400A	DEMOLISH
ATS-EQUIP	ATS	480V	3	600A	DEMOLISH
ATS-CRITICAL	ATS	480V	3	1200A	DEMOLISH



PROJECT NORTH

N

BUILDING 1 GROUND FLOOR KEY PLAN

SCALE: 1/128"=1'-0"

Revisions:	Date:

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Drawing Title: BUILDING 1 GROUND FLOOR ENLARGED ELECTRICAL DEMOLITION PLAN 2	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: 1
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: ED-102
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	

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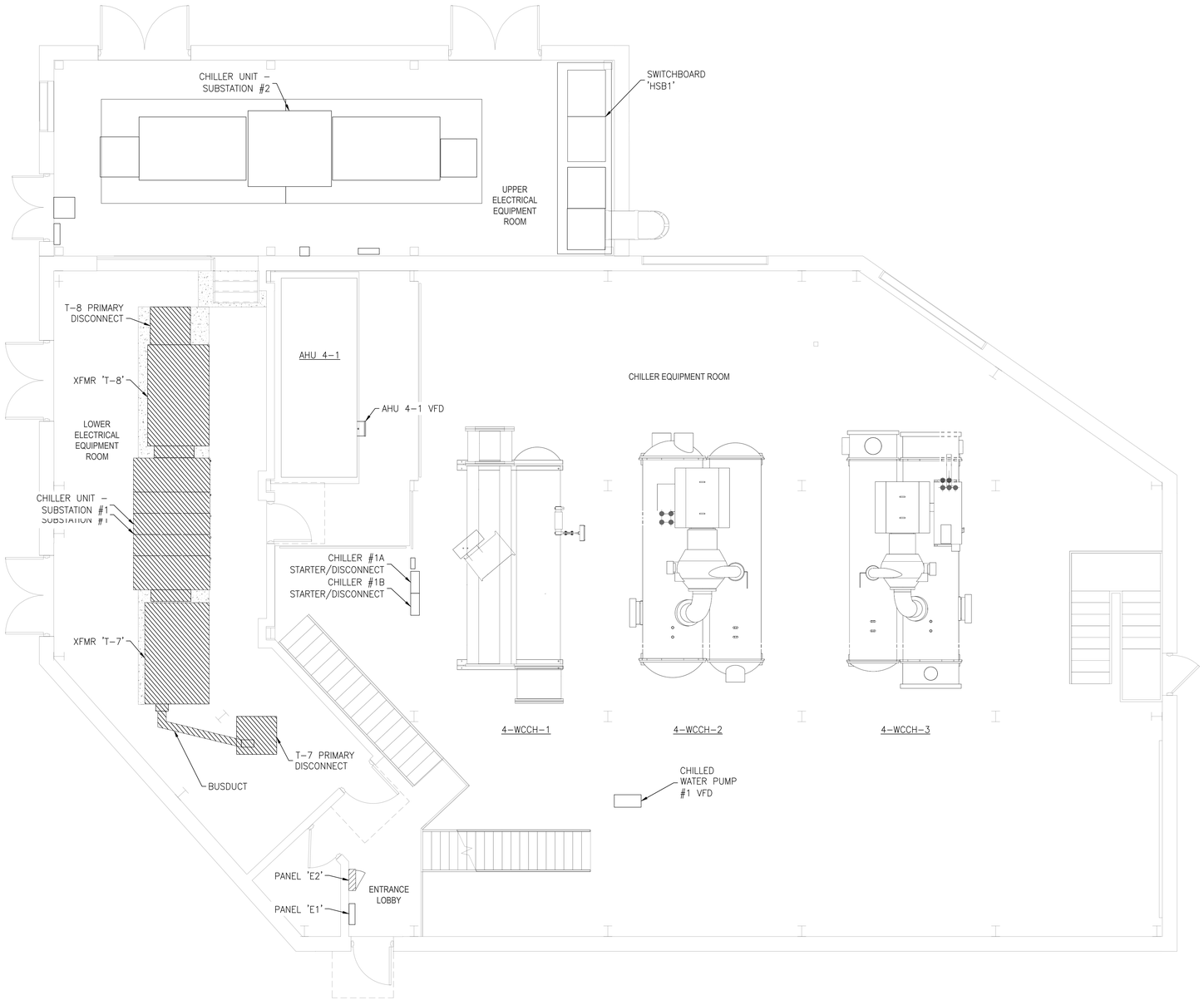

PROJECT NORTH

N

1
ED–103

BUILDING 4 MEZZANINE ELECTRICAL DEMOLITION PLAN

SCALE: 1/4"=1'–0"

TRANSFORMER SCHEDULE

DESIGNATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	PHASE	kVA	EXISTING/ DEMOLITION
T–7	12.47kV	277/480V	3	2500	DEMOLISH
T–8	12.47kV	277/480V	3	2500	DEMOLISH

ELECTRICAL EQUIPMENT SCHEDULE

DESIGNATION	TYPE	VOLTAGE	PHASE	AMPERAGE	EXISTING/ DEMOLITION
CHILLER UNIT SUBS–1	UNIT SUB	277/480V	3	3200A	DEMOLISH
E2	PANEL	120/208V	3	100A	EXISTING TO REMAIN

INTERRUPTER SWITCH SCHEDULE

DESIGNATION	TYPE	VOLTAGE	PHASE	AMPERAGE	EXISTING/ DEMOLITION
T–7 PRIMARY DISCONNECT	DISC.	12.47kV	3	600A	DEMOLISH
T–8 PRIMARY DISCONNECT	DISC.	12.47kV	3	600A	DEMOLISH

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Drawing Title: BUILDING 4 MEZZANINE ELECTRICAL DEMOLITION PLAN

Phase: BID DOCUMENTS

Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION

Project Number: 596A4-24-101

Building Number: 4

Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM

Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502

Issue Date: 10/29/2025

Checked: D.L.E.

Drawn: T.C.M.

Drawing Number: ED-103

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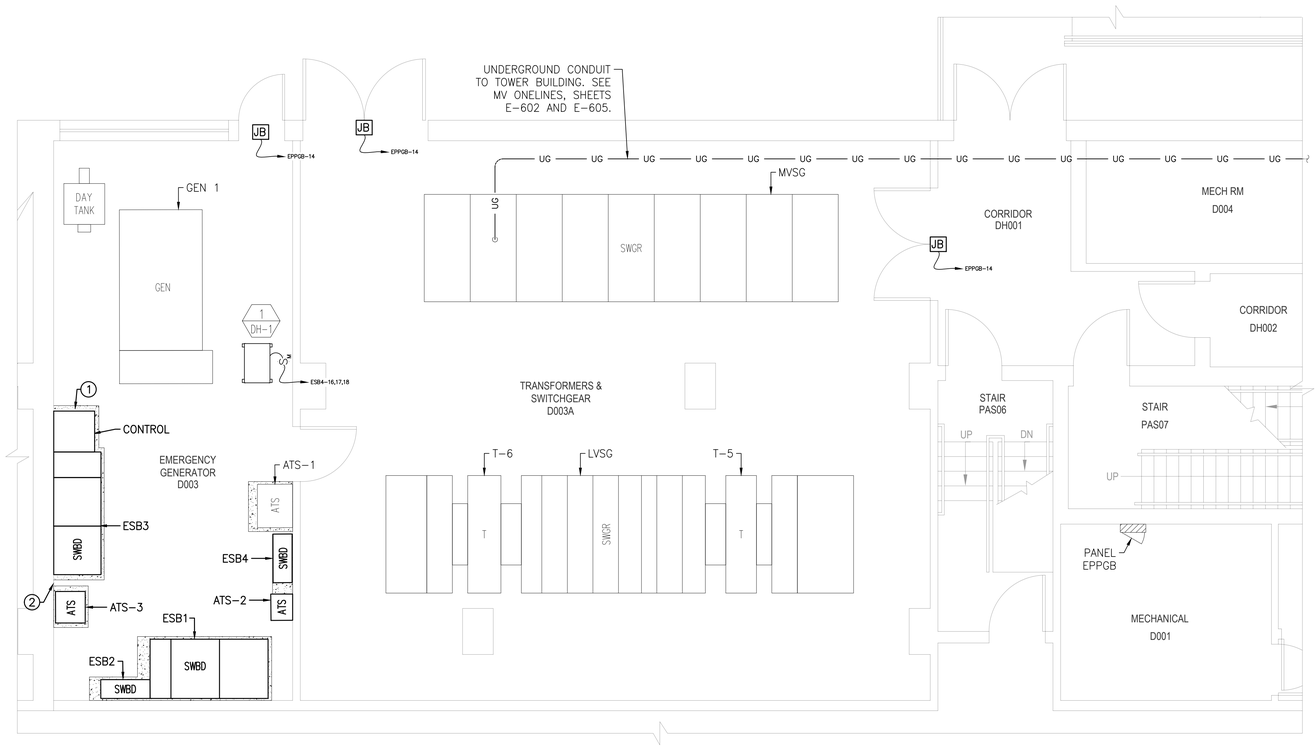


PROJECT NORTH

1 / E-100

BUILDING 1 GROUND FLOOR ENLARGED ELECTRICAL NEW WORK PLAN 1

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

ELECTRICAL EQUIPMENT SCHEDULE

DESIGNATION	TYPE	VOLTAGE	PHASE	AMPERAGE/ WATTAGE	EXISTING/ NEW WORK
MVSG	SWITCH GEAR	12.47kV	3	1200A	EXISTING TO REMAIN
LVSG	SWITCH GEAR	277/480V	3	2000A	EXISTING TO REMAIN
EPPGB	PANEL	120/208V	3	30A	EXISTING TO REMAIN
ESB1	SWITCH BOARD	277/480V	3	400A	NEW WORK
ESB2	SWITCH BOARD	277/480V	3	600A	NEW WORK
ESB3	SWITCH BOARD	277/480V	3	1200A	NEW WORK
ESB4	SWITCH BOARD	277/480V	3	600A	NEW WORK

ATS SCHEDULE

DESIGNATION	TYPE	VOLTAGE	PHASE	AMPERAGE/ WATTAGE	EXISTING/ NEW WORK
ATS-1	ATS	480V	3	600A	EXISTING TO REMAIN
ATS-2	ATS	480V	3	400A	NEW WORK
ATS-3	ATS	480V	3	600A	NEW WORK

GENERATOR SCHEDULE

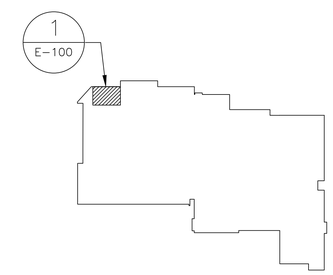
DESIGNATION	VOLTAGE	AMPERAGE	PHASE	EXISTING/ NEW WORK
GEN 1	277/480V	992A	3	EXISTING TO REMAIN

TRANSFORMER SCHEDULE

DESIGNATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	PHASE	kVA	EXISTING/ NEW WORK
T-5	12.47kV	277/480V	3	1500	EXISTING TO REMAIN
T-6	12.47kV	277/480V	3	1500	EXISTING TO REMAIN

KEYED NEW WORK NOTE

1. CONTRACTOR SHALL PROVIDE GENERATOR CONTROL PANEL. CONTROL PANEL SHALL BE COMPATIBLE WITH EXISTING GENERATOR. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND CONNECTIONS TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM AT THE COMPLETION OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS SHOWING ALL ASSOCIATED MATERIALS AND CONNECTIONS.
2. RELOCATE WALL-MOUNTED CABINET IN THIS AREA AS NECESSARY TO ACCOMMODATE NEW ELECTRICAL EQUIPMENT.



PROJECT NORTH

BUILDING 1 GROUND FLOOR KEY PLAN

SCALE: 1/128"=1'-0"

Revisions:	Date:

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER No. PE040144

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 1 GROUND FLOOR ENLARGED ELECTRICAL NEW WORK PLAN 1	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM			Building Number: 1
		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: E-100
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: K.E.B.	

File Path

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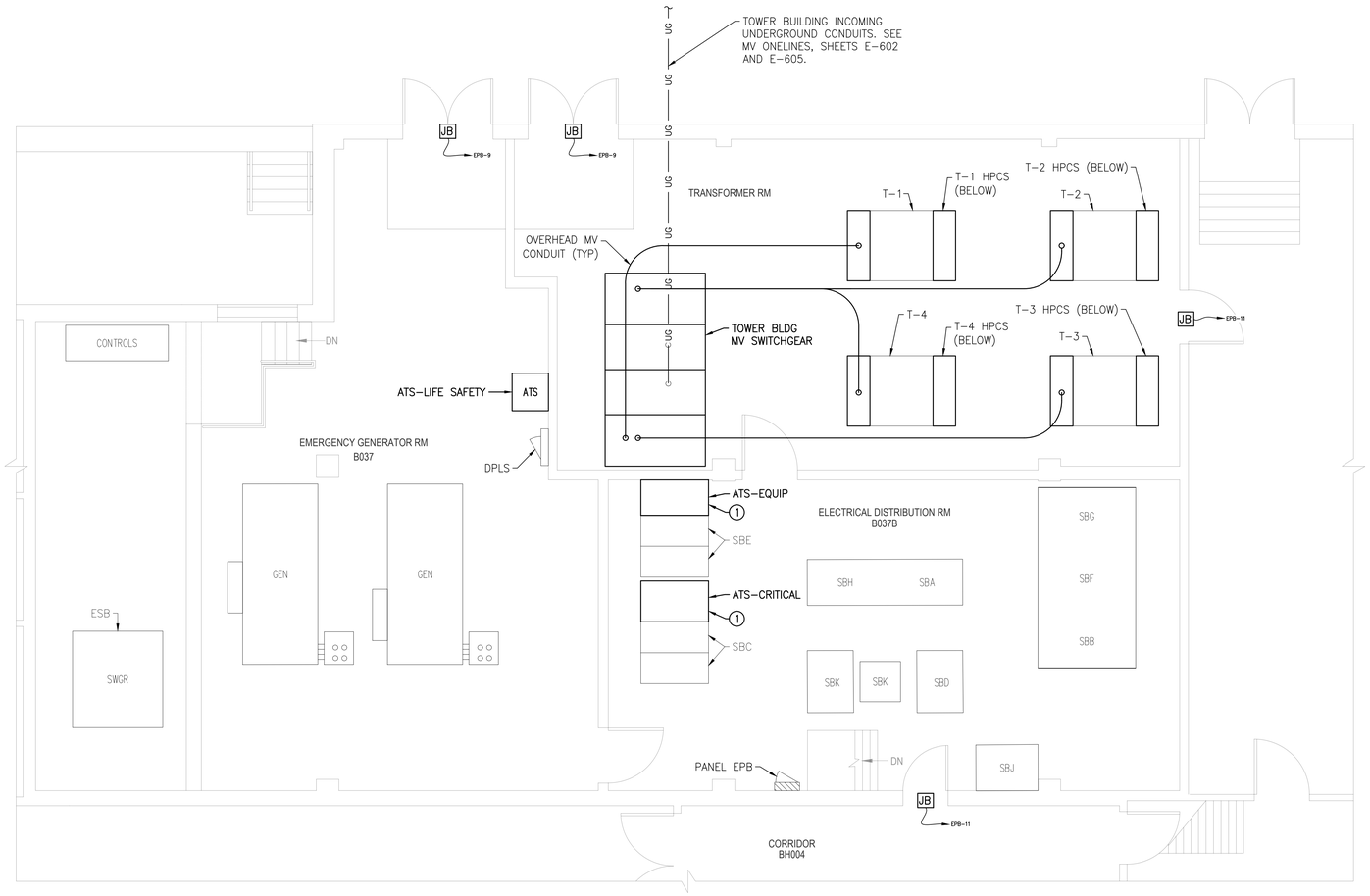
CUI

GENERAL NOTE

1. CONDUIT ROUTING SHOWN FOR SCHEMATIC PURPOSES ONLY – CONTRACTOR RESPONSIBLE TO VERIFY EXACT ROUTING.



PROJECT NORTH

1 / E-101

BUILDING 1 GROUND FLOOR ENLARGED ELECTRICAL NEW WORK PLAN 2

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

ELECTRICAL EQUIPMENT SCHEDULE

DESIGNATION	TYPE	VOLTAGE	PHASE	AMPERAGE/ WATTAGE	EXISTING/ DEMOLITION
ESB	SWITCH GEAR	277/480V	3	1200A	EXISTING TO REMAIN
SBA	SWITCH GEAR	XXX/XXXV	3	3000A	EXISTING TO REMAIN
DPLS	PANEL BOARD	277/480V	3	400A	EXISTING TO REMAIN
SBC	SWITCH BOARD	277/480V	3	1600A	EXISTING TO REMAIN
SBD	SWITCH BOARD	277/480V	3	3200A	EXISTING TO REMAIN
SBE	SWITCH BOARD	277/480V	3	1600A	EXISTING TO REMAIN
EPB	PANEL	120/208V	3	100A	EXISTING TO REMAIN
TOWER MV	SWITCH GEAR	12.47kV	3	1200A	NEW WORK

TRANSFORMER SCHEDULE

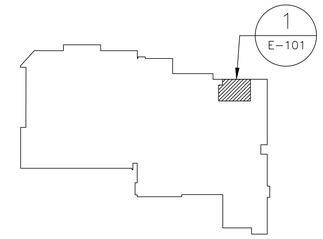
DESIGNATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	PHASE	kVA	EXISTING/ DEMOLITION
T-1	12.47kV	277/480V	3	1500	EXISTING TO REMAIN
T-2	12.47kV	277/480V	3	1000	EXISTING TO REMAIN
T-3	12.47kV	277/480V	3	1000	EXISTING TO REMAIN
T-4	12.47kV	277/480V	3	1500	EXISTING TO REMAIN

ATS SCHEDULE

DESIGNATION	TYPE	VOLTAGE	PHASE	AMPERAGE/ WATTAGE	EXISTING/ DEMOLITION
ATS-LIFE SAFETY	ATS	480V	3	600A	NEW WORK
ATS-EQUIP	ATS	480V	3	800A	NEW WORK
ATS-CRITICAL	ATS	480V	3	1200A	NEW WORK

KEYED NEW WORK NOTE

1. CONTRACTOR SHALL RETROFIT THE NEW AUTOMATIC TRANSFER SWITCH (ATS) INTO THE EXISTING CABINET IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND NEC. ATS SHALL CONNECT TO THE SWITCHBOARD BUS IN THE SAME CONFIGURATION THAT THE EXISTING ATS (TO BE DEMOLISHED) IS CONNECTED CURRENTLY. CONTRACTOR TO PROVIDE SHOP DRAWINGS SHOWING ALL ASSOCIATED DIMENSIONS, CONNECTIONS, MATERIALS REQUIRED TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MODIFICATIONS REQUIRED TO RETROFIT NEW ATS INTO EXISTING CABINET AND CONNECT TO EXISTING SWITCHBOARD DISTRIBUTION. ENCLOSURE DOOR SHALL BE REPLACED WITH A DOOR FOR ALL ATS CONTROL PANELS AND OPERATION HANDLES REQUIRED. BECAUSE THE ORIGINAL LISTING IS AFFECTED BY THIS MODIFICATION, THE CONTRACTOR SHALL ARRANGE FOR AN ON-SITE FIELD EVALUATION BY UL (OR AN OSHA-RECOGNIZED NRTL EQUIVALENT). THE EVALUATION SHALL COVER THE MODIFIED CABINET/ASSEMBLY AND VERIFY COMPLIANCE WITH APPLICABLE STANDARDS.



PROJECT NORTH

BUILDING 1 GROUND FLOOR KEY PLAN

SCALE: 1/128"=1'-0"

Revisions:	Date:

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER DAVID A. SCHWARTZ No. PE045114

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BUILDING 1 GROUND FLOOR ENLARGED ELECTRICAL NEW WORK PLAN 2
Phase	BID DOCUMENTS
Project Title	REPLACE MAIN ELECTRICAL DISTRIBUTION
Project Number	596A4-24-101
Building Number	1
Approved: Project Director	LEXINGTON VA HEALTH CARE SYSTEM
Location	1101 VETERANS DRIVE LEXINGTON, KY 40502
Issue Date	10/29/2025
Checked	D.L.E.
Drawn	K.E.B.
Drawing Number	E-101

File Path

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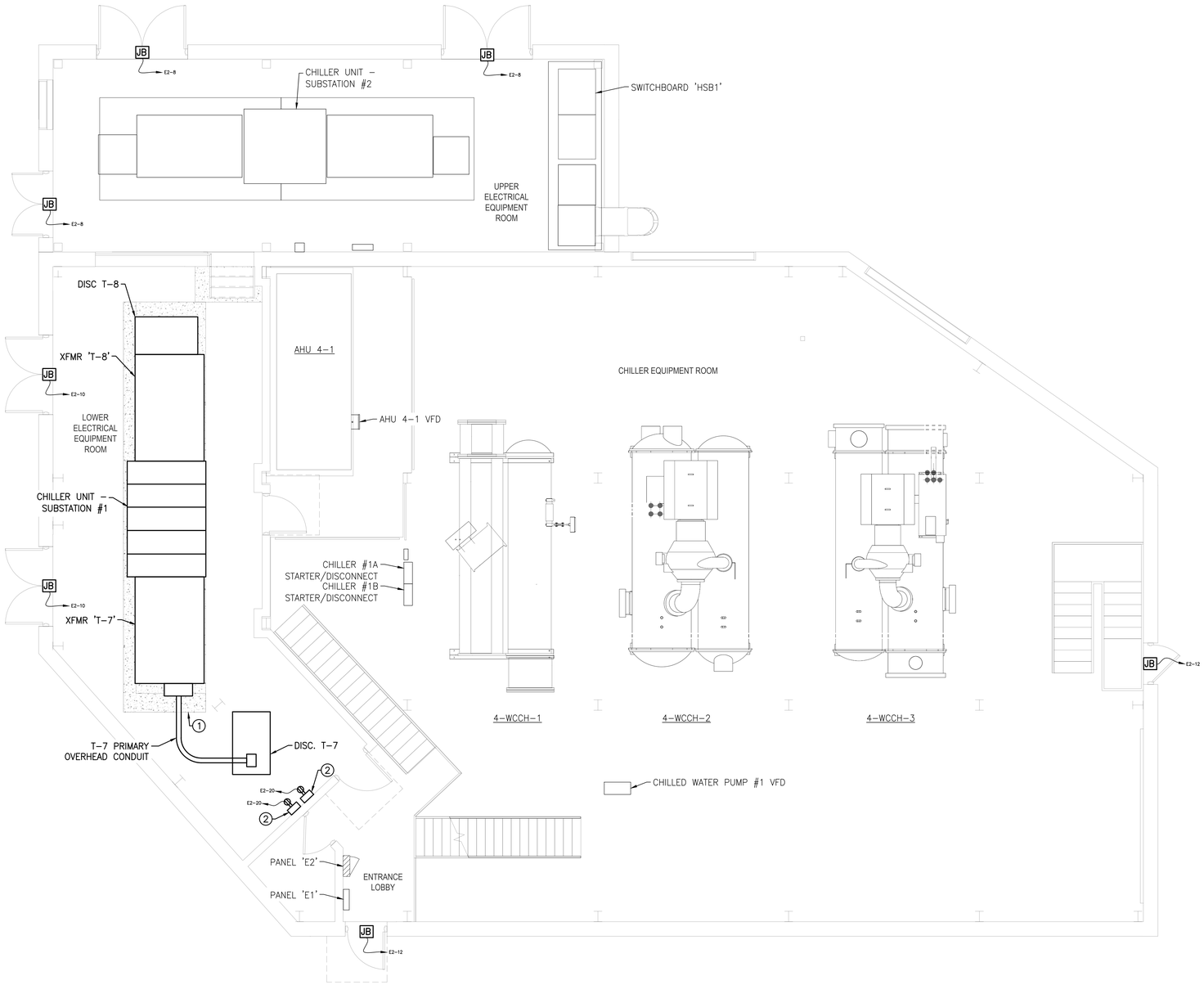

ELECTRICAL EQUIPMENT SCHEDULE

DESIGNATION	TYPE	VOLTAGE	PHASE	AMPERAGE	BASIS OF DESIGN		EXISTING/ NEW WORK
					MANU.	MODEL	
CHILLER UNIT SUBS-1	UNIT SUB	277/480V	3	4000A	SQUARE D	PZ4	NEW WORK
E2	PANEL	120/208V	3	100A	–	–	EXISTING TO REMAIN
DISC T-7	METAL-CLAD CIRCUIT BREAKER	12.47kW	3	600A	–	–	NEW WORK
DISC T-8	METAL-CLAD CIRCUIT BREAKER	12.47kW	3	600A	–	–	NEW WORK

TRANSFORMER SCHEDULE

DESIGNATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	PHASE	kVA	EXISTING/ NEW WORK
T-7	12.47kV	277/480V	3	2500	NEW WORK
T-8	12.47kV	277/480V	3	2500	NEW WORK

KEYED NEW WORK NOTE

1. EXTEND CONCRETE PAD FOR ASSOCIATED FOOTPRINT OF UNIT SUBSTATION. CONTRACTOR SHALL COORDINATE FINAL DIMENSIONS BASED ON EQUIPMENT MANUFACTURERS SPECIFICATIONS. REFERENCE ARCHITECTURAL SHEET A-102 FOR ADDITIONAL INFORMATION.
2. ENCLOSURE FOR NETWORK SWITCH AND CONTROLLER MODULE. REFERENCE SECURITY SHEET TY-103 FOR ADDITIONAL INFORMATION.

PROJECT NORTH

N

1 / E-102

BUILDING 4 MEZZANINE ELECTRICAL NEW WORK PLAN

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

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Revisions:	Date:

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER No. PE045114

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
BUILDING 4 MEZZANINE ELECTRICAL NEW WORK PLAN	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 4
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	Drawing Number: E-102

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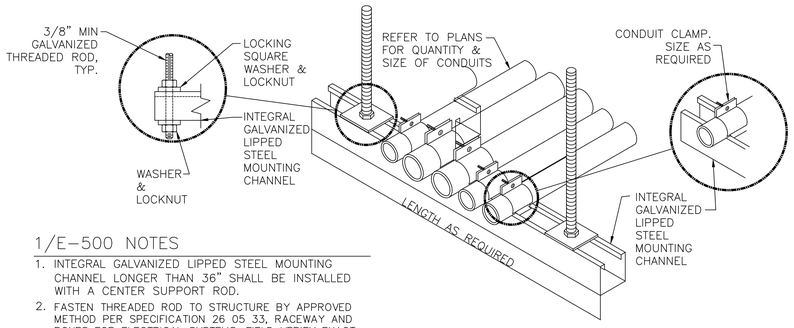
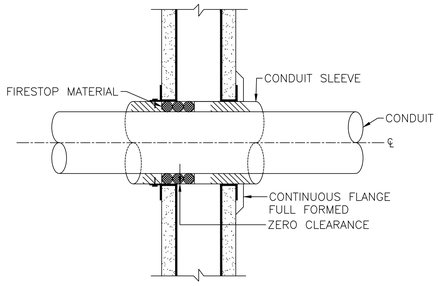


1/E-500 NOTES

1. INTEGRAL GALVANIZED LIPPED STEEL MOUNTING CHANNEL LONGER THAN 36" SHALL BE INSTALLED WITH A CENTER SUPPORT ROD.
2. FASTEN THREADED ROD TO STRUCTURE BY APPROVED METHOD PER SPECIFICATION 26 05 33, RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS. FIELD VERIFY EXACT CONDITIONS.

1 / E-500 TYPICAL CONDUIT TRAPEZE MOUNTING DETAIL

SCALE:NOT TO SCALE

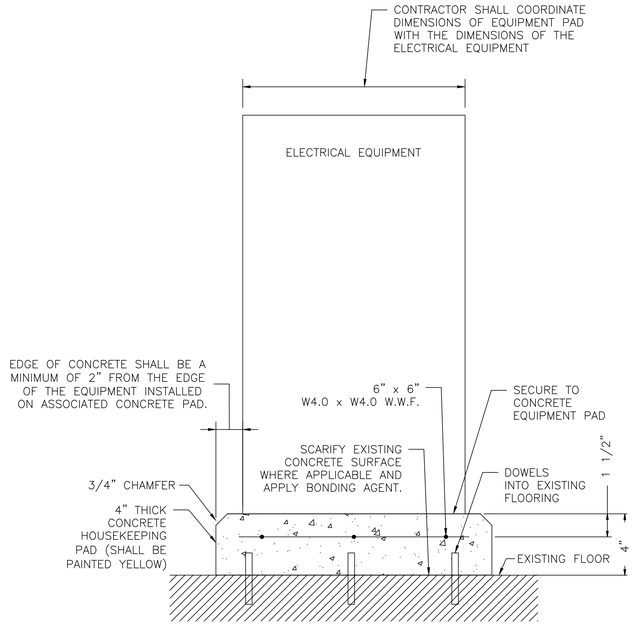


2/E-500 NOTE

1. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION FOR ASSOCIATED FIRESTOP MATERIAL.

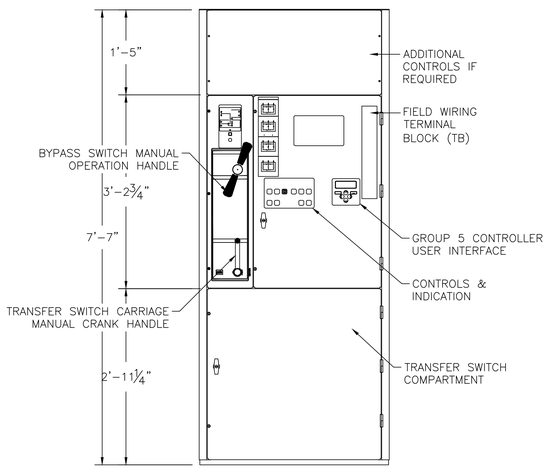
2 / E-500 PIPE SLEEVE THROUGH WALL DETAIL

SCALE:NOT TO SCALE

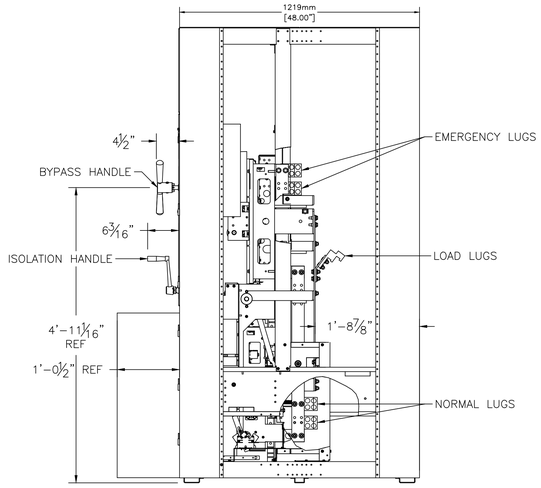


3 / E-500 CONCRETE PAD DETAIL

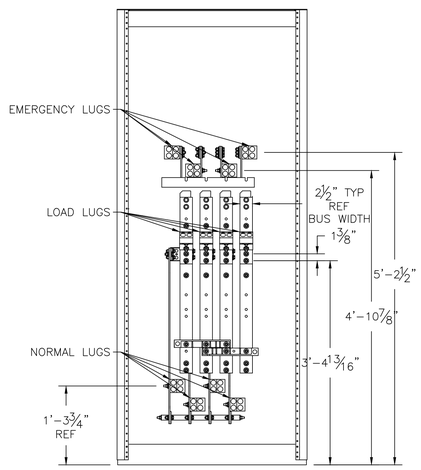
SCALE:NOT TO SCALE



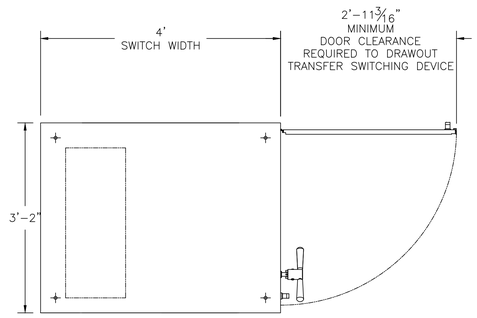
FRONT ELEVATION (DOORS INSTALLED)



SIDE ELEVATION



FRONT ELEVATION (DOORS REMOVED)



PLAN VIEW

4 / E-500 600-1200A AUTOMATIC TRANSFER SWITCH DETAIL

SCALE:NOT TO SCALE

NOTE: ALL NEW ATS EQUIPMENT MODELS BASIS OF DESIGN IS ASCO 7000 SERIES AUTOMATIC TRANSFER & BYPASS-ISOLATION SWITCHES TYPE H7ATB RATED 600-1200 AMPERES. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

FOR ALL ASSOCIATED ATS'S WITHIN THIS SCOPE: CONTRACTOR SHALL PROVIDE ALL EQUIPMENT COMPONENTS, CONTACTS, MATERIALS, CONNECTIONSAND PROGRAMMING FOR ASSOCIATED CONTROLS, METERING AND STATUS MONITORING FOR ATS'S. PROVIDE SHOP DRAWINGS SHOWING ALL ASSOCIATED CONNECTIONS. CONTRACTOR SHALL ENSURE A COMPLETE AND OPERATIONAL SYSTEM AT THE COMPLETION OF CONSTRUCTION.

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL DETAILS 1	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: E-500
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: K.E.B.	

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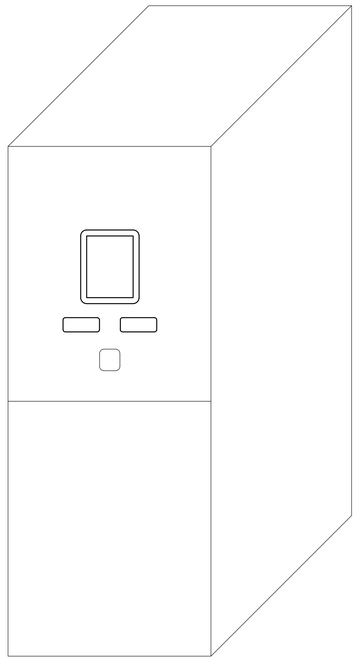
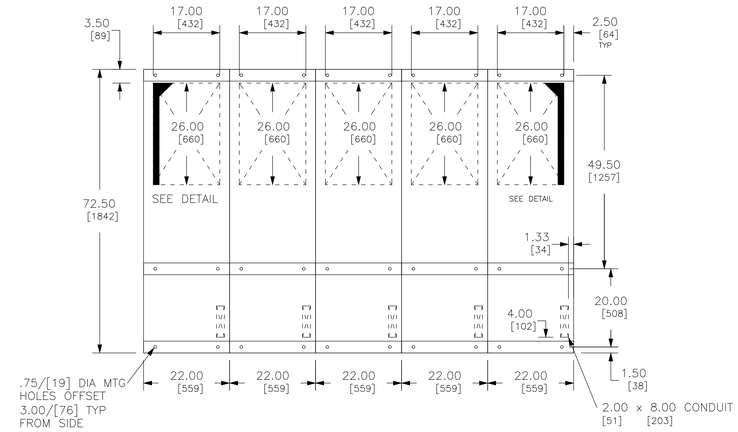
GENERAL NOTE

1. PROVIDE BREAKER COMPARTMENT WITH METER, RELAY, AND TEST SWITCHES. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

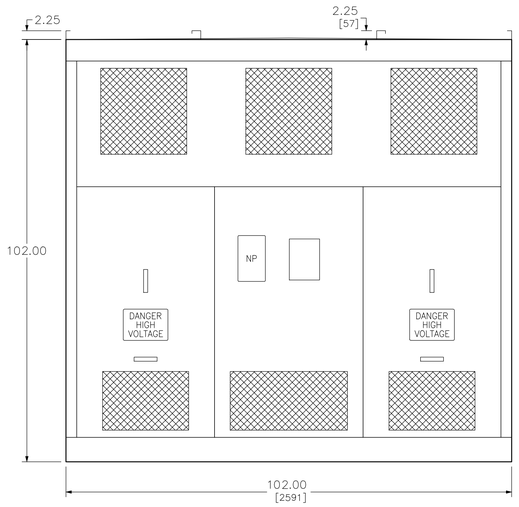


1 / E-501 15 kV 600A CIRCUIT BREAKER DETAIL – ELEVATION

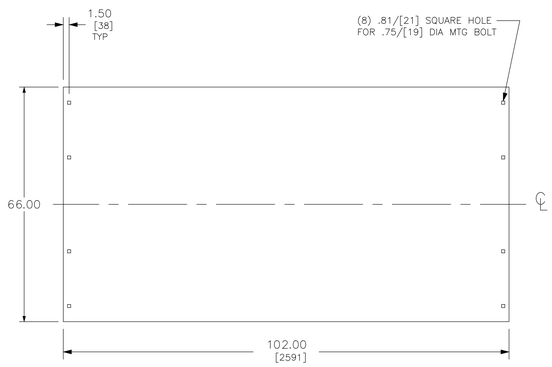
SCALE:NOT TO SCALE



PLAN VIEW



FRONT ELEVATION

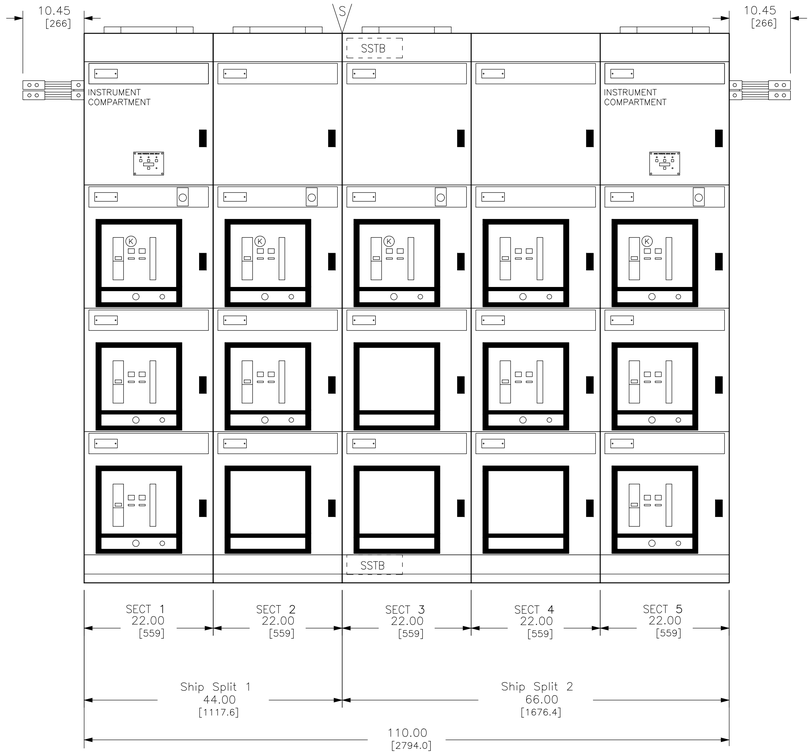


PLAN VIEW

2 / E-501 UNIT SUBSTATION TRANSFORMER DETAILS

SCALE:NOT TO SCALE

NOTE: ALL NEW UNIT SUBSTATION TRANSFORMERS BASIS OF DESIGN IS SQUARE D BY SCHNEIDER ELECTRIC. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



FRONT ELEVATION

3 / E-501 3200A SWB1A & 1B SWITCHGEAR DETAILS

SCALE:NOT TO SCALE

NOTE: NEW SWBD 1A & 1B BASIS OF DESIGN IS SQUARE D PZ4 SWITCHGEAR BY SCHNEIDER ELECTRIC. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
ELECTRICAL DETAILS 2	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: E-501
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	

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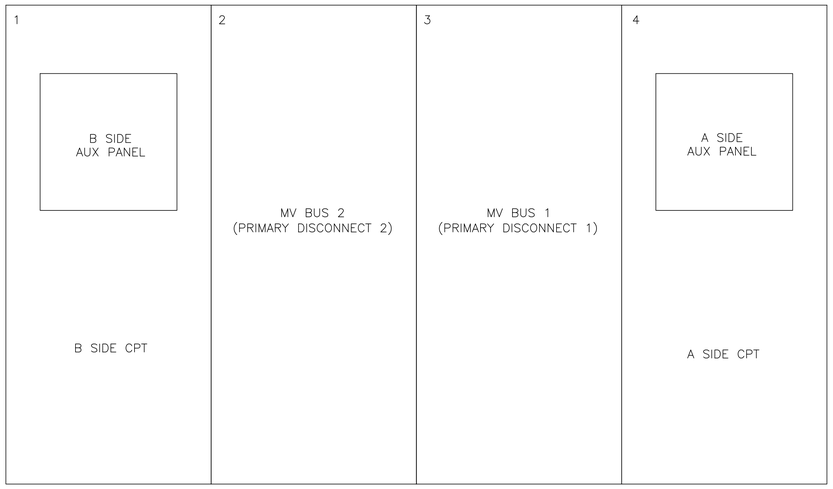
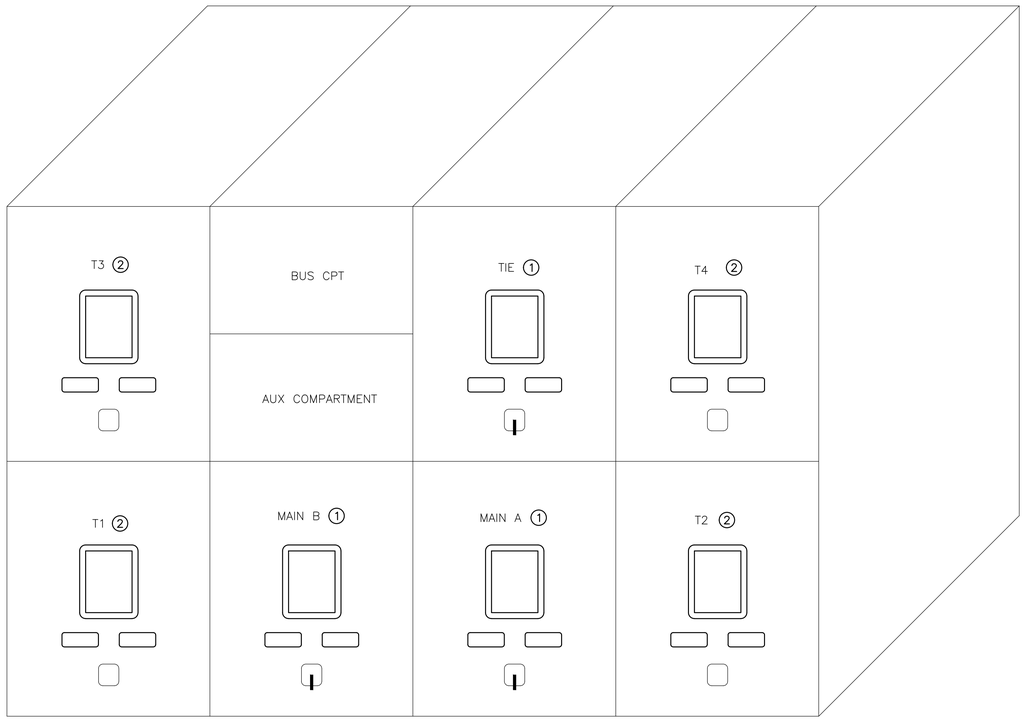
KEYED NEW WORK NOTE

1. PROVIDE BREAKER COMPARTMENT WITH RELAY, TEST SWITCHES, AND KEY INTERLOCK.
2. PROVIDE BREAKER COMPARTMENT WITH METER, RELAY, AND TEST SWITCHES.



1 E-502 TOWER BUILDING MV SWITCHGEAR ELEVATION – EXISTING

SCALE: NOT TO SCALE



2 E-502 TOWER BUILDING MV SWITCHGEAR ELEVATION – NEW WORK

SCALE: NOT TO SCALE

Revisions:	Date:

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COMMONWEALTH OF VIRGINIA
10/31/2025
Elizabeth L. Tuomey
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
ELECTRICAL DETAILS 3	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: E-502
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	

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GENERAL NOTE

1. CONTRACTOR TO PROVIDE FINAL SHORT CIRCUIT STUDY FOR ALL NEW EQUIPMENT – SEE SPECIFICATIONS.

SWITCHBOARD SCHEDULE

DESIGNATION:	BUS: 400A	LOCATION:
ESB1 (NEW WORK)	MAIN: 400A	BUILDING 1 GROUND FLOOR EMERGENCY GENERATOR RM D003
	BOD: SQUARE D QED–2	FED BY: ATS–2 LIFE SAFETY
	VOLTAGE: 277 / 480 V 3ϕ 4W	MOUNTING: SURFACE
	INTERRUPTING RATING: 50 kAIC	ENCLOSURE: NEMA 1

CKT NO	POLE	TRIP	WIRE	G	CONDUIT	LOAD	KVA ~ A	KVA ~ B	KVA ~ C
1									
2	3	400A	500KCMIL	3	3"	EMERGENCY BUS DUCT WEST (BP ELP1C)	E	——	——
3									
4									
5	3	400A	500KCMIL	3	3"	EMERGENCY BUS DUCT EAST (BP E1)	——	E	——
6									
7									
8	3	400A	–	–	–	SPARE	——	——	–
9									
10									
11	3	400A	–	–	–	SPARE	–	——	——
12									
13									
14	3	–	–	–	–	SPACE	——	–	——
15									
16									
17	3	–	–	–	–	SPACE	——	——	–
18									
19									
20	3	–	–	–	–	SPACE	–	——	——
21									
22									
23	3	–	–	–	–	SPACE	——	–	——
24									
25									
26	3	–	–	–	–	SPACE	——	——	–
27									
28									
29	3	–	–	–	–	SPACE	–	——	——
30									

SWITCHBOARD SCHEDULE

DESIGNATION:	BUS: 600A	LOCATION:
ESB2 (NEW WORK)	MAIN: 600A	BUILDING 1 GROUND FLOOR EMERGENCY GENERATOR RM D003
	BOD: SQUARE D QED–2	FED BY: ATS–3 CRITICAL
	VOLTAGE: 277 / 480 V 3ϕ 4W	MOUNTING: SURFACE
	INTERRUPTING RATING: 50 kAIC	ENCLOSURE: NEMA 1

CKT NO	POLE	TRIP	WIRE	G	CONDUIT	LOAD	KVA ~ A	KVA ~ B	KVA ~ C
1									
2	3	250A	250KCMIL	4	3"	PANEL 1HCR	E	——	——
3									
4									
5	3	300A	350KCMIL	4	3"	MCC3E (3RD FLOOR)	——	E	——
6									
7									
8	3	300A	350KCMIL	4	3"	MCC4E (4TH FLOOR)	——	——	E
9									
10									
11	3	50A	6	10	1"	PANEL MOR	E	——	——
12									
13									
14	3	600A	–	–	–	SPARE	——	–	——
15									
16									
17	3	225A	–	–	–	SPARE	——	——	–
18									
19									
20	3	225A	–	–	–	SPARE	–	——	——
21									
22									
23	3	–	–	–	–	SPACE	——	–	——
24									
25									
26	3	–	–	–	–	SPACE	——	——	–
27									
28									
29	3	–	–	–	–	SPACE	–	——	——
30									

SWITCHBOARD SCHEDULE

DESIGNATION:	BUS: 1200A	LOCATION:
ESB3 (NEW WORK)	MAIN: 1200A (GEN 1) & 1200A (FUTURE TEMPORARY GEN)	BUILDING 1 GROUND FLOOR EMERGENCY GENERATOR RM D003
	BOD: SQUARE D QED–2	FED BY: GEN 1
	VOLTAGE: 277 / 480 V 3ϕ 4W	MOUNTING: SURFACE
	INTERRUPTING RATING: 50 kAIC	ENCLOSURE: NEMA 1

CKT NO	POLE	TRIP	WIRE	G	CONDUIT	LOAD	KVA ~ A	KVA ~ B	KVA ~ C
1									
2	3	600A	(2)350KCMIL	1	3"	ATS–3 CRITICAL	——	E	——
3									
4									
5	3	600A	(2)350KCMIL	1	3"	ATS–1 EQUIPMENT	——	——	E
6									
7									
8	3	150A	1/0	6	1 1/2"	PANEL XRE REMOTE RAD	E	——	——
9									
10									
11	3	600A	–	–	–	SPARE	——	–	——
12									
13									
14	3	200A	–	–	–	SPARE	——	——	–
15									
16									
17	3	200A	–	–	–	SPARE	——	——	–
18									
19									
20	3	–	–	–	–	SPACE	–	——	——
21									
22									
23	3	–	–	–	–	SPACE	——	–	——
24									
25									
26	3	–	–	–	–	SPACE	——	——	–
27									
28									
29	3	–	–	–	–	SPACE	–	——	——
30									

CKT NO	POLE	TRIP	WIRE	G	CONDUIT	LOAD	KVA ~ A	KVA ~ B	KVA ~ C
31									
32	3	400A	500KCMIL	3	3"	ATS–2 LIFE SAFETY	E	——	——
33									
34									
35	3	–	–	–	–	SPACE	——	E	——
36									
37									
38	3	–	–	–	–	SPACE	——	——	E
39									
40									
41	3	–	–	–	–	SPACE	E	——	——
42									
43									
44	3	–	–	–	–	SPACE	——	–	——
45									
46									
47	3	–	–	–	–	SPACE	——	——	–
48									
49									
50	3	–	–	–	–	SPACE	–	——	——
51									
52									
53	3	–	–	–	–	SPACE	——	–	——
54									
55									
56	3	–	–	–	–	SPACE	——	——	–
57									
58									
59	3	–	–	–	–	SPACE	–	——	——
60									

SWITCHBOARD SCHEDULE

DESIGNATION:	BUS: 600A	LOCATION:
ESB4 (NEW WORK)	MAIN: 600A	BUILDING 1 GROUND FLOOR EMERGENCY GENERATOR RM D003
	BOD: SQUARE D QED–2	FED BY: ATS–1 EQUIPMENT
	VOLTAGE: 277 / 480 V 3ϕ 4W	MOUNTING: SURFACE
	INTERRUPTING RATING: 50kAIC	ENCLOSURE: NEMA 1

CKT NO	POLE	TRIP	WIRE	G	CONDUIT	LOAD	KVA ~ A	KVA ~ B	KVA ~ C
1									
2	3	300A	350KCMIL	4	3"	PNL. LPE1 ELEV. P6,7,8	E	——	——
3									
4									
5	3	250A	250KCMIL	4	3"	PNL. LPE2 ELEV. PARK.	——	E	——
6									
7									
8	3	300A	350KCMIL	4	3"	PNL. LPE3 ELEV. S6,7,8	——	——	E
9									
10									
11	3	225A	4/0	4	2 1/2"	PNL. EBDP3	E	——	——
12									
13									
14	3	600A	–	–	–	SPARE	——	–	——
15									
16	**1**	**20A**	**12**	**12**	**3/4"**	**DEHUMIDIFER – DH–1**	——	——	**2.548**
17	1	20A	–	–	–	SPARE	–	——	——
18	1	20A	–	–	–	SPARE	——	–	——
19									
20	3	–	–	–	–	SPACE	——	——	–
21									
22									
23	3	–	–	–	–	SPACE	–	——	——
24									
25									
26	3	–	–	–	–	SPACE	——	–	——
27									
28									
29	3	–	–	–	–	SPACE	——	——	–
30									

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	ELECTRICAL SCHEDULES 1
Phase	BID DOCUMENTS
Project Title	REPLACE MAIN ELECTRICAL DISTRIBUTION
Project Number	596A4-24-101
Building Number	N/A
Approved: Project Director	LEXINGTON VA HEALTH CARE SYSTEM
Location	1101 VETERANS DRIVE LEXINGTON, KY 40502
Issue Date	10/29/2025
Checked	D.L.E.
Drawn	K.E.B.
Drawing Number	E-600

CUI

GENERAL NOTE

1. CONTRACTOR TO PROVIDE FINAL SHORT CIRCUIT STUDY FOR ALL NEW EQUIPMENT – SEE SPECIFICATIONS.

PANELBOARD SCHEDULE

DESIGNATION: EPPGB (EXISTING)
BUS: 30A
MAIN: MLO
MANUFACTURER: GE A SERIES
VOLTAGE: 208/ 120V 3ϕ 4W
INTERRUPTING RATING: 65 kAIC
ENCLOSURE: NEMA 1
LOCATION: BUILDING 1 ROOM D001
FED BY: EPPGA
MOUNTING: SURFACE

CKT NO	POLE	AMPS	CON (IN)	WIRE (AWG)	G	LOAD	KVA ~ A		KVA ~ B		KVA ~ C		LOAD	G	WIRE (AWG)	CON (IN)	AMPS	POLE	CKT NO	
1	1	20	–	–	–	GROUND STACK B							C PLEX LIGHTS PKG 1,2,3	–	–	–	20	1	2	
3	1	20	–	–	–	STACK B							RECEPTACLE FAN RM PKG 2,3 OUTLET IN ELEVATOR LOBBY	–	–	–	20	1	4	
5	1	20	–	–	–	STACK B							ELEVATOR MECH LEVEL C				20	1	6	
7	1	20	–	–	–	STACK B		(E)					FIRE ALARM PANEL NMCP	–	–	–	30	1	8	
9	1	20	–	–	–	AIR CURTAIN				(E)			IM CLOSET D007D	–	–	–	30	2	10	
11	1	–	–	–	–	SPACE													12	
13	1	–	–	–	–	SPACE		0.14					**SECURITY DOOR JBs D003, D003A**	**12**	**12**	**3/4"**	**20**	**1**	14	*
15	1	20	–	–	–	MORGUE DOC RECEPTACLE				(E)			SPACE	–	–	–	–	1	16	
17	1	–	–	–	–	SPACE							SPACE	–	–	–	–	1	18	
19	1	–	–	–	–	SPACE		(E)					SPACE	–	–	–	–	1	20	
21	1	–	–	–	–	SPACE				(E)			SPACE	–	–	–	–	1	22	
23	1	–	–	–	–	SPACE							SPACE	–	–	–	–	1	24	
						CONNECTED KVA PER PHASE	0.14		####		####									

NOTE: (E) – EXISTING

* – PROVIDE CIRCUIT BREAKER, CONDUIT, CONDUCTORS AND GROUND AS REQUIRED PER MANUFACTURER'S REQUIREMENTS.

TOTAL ADDITIONAL CONNECTED KVA: 0.14

TOTAL ADDITIONAL CONNECTED AMPERES: 0.39

PANELBOARD SCHEDULE

DESIGNATION: EPB (EXISTING)
BUS: 100A
MAIN: 100A MCB
MANUFACTURER: ILLINOIS SWITCHBOARD CORP.
VOLTAGE: 208/ 120V 3ϕ 4W
INTERRUPTING RATING: 22 kAIC
ENCLOSURE: NEMA 1
LOCATION: BUILDING 1 ROOM B037B
FED BY: SBE VIA T–EPB
MOUNTING: SURFACE

	CKT NO	POLE	AMPS	CON (IN)	WIRE (AWG)	G	LOAD	KVA ~ A		KVA ~ B		KVA ~ C		LOAD	G	WIRE (AWG)	CON (IN)	AMPS	POLE	CKT NO
	1	1	20	–	–	–	RECEPTACLES							RECEPTACLES	–	–	–	20	1	2
	3	1	20	–	–	–	RECEPTACLES							EMERGENCY LIGHTS E, W, SW	–	–	–	20	1	4
	5	2	30	–	–	–	RECEPTACLES							RECEPTACLES	–	–	–	20	1	6
	7								(E)					RECEPTACLES	–	–	–	20	1	8
*	9	**1**	**20**	**3/4"**	**12**	**12**	**SECURITY DOOR JBs B037, XFRM RM**			0.09	(E)			LIGHTING B037B	–	–	–	20	1	10
*	11	**1**	**20**	**3/4"**	**12**	**12**	**SECURITY DOOR JBs XFRM RM, B037B**					0.09		SPARE	–	–	–	20	2	12
	13	1	20	–	–	–	RECEPTACLES													14
	15	1	20	–	–	–	SPARE				(E)			AMBULANCE DOOR	–	–	–	20	3	16
	17	1	20	–	–	–	SPARE													18
	19	1	20	–	–	–	RECEPTACLES		(E)											20
	21	2	20	–	–	–	SPARE				(E)			SPARE	–	–	–	20	1	22
	23													RECEPTACLES	–	–	–	20	1	24
	25	1	20	–	–	–	SPARE		(E)					SPARE	–	–	–	60	2	26
	27	2	20	–	–	–	SPARE				(E)									28
	29												(E)	RECEPTACLES	–	–	–	20	1	30
	31	1	–	–	–	–	SPACE		(E)					SPACE	–	–	–	20	1	32
	33	1	–	–	–	–	SPACE							SPACE	–	–	–	20	1	34
	35	1	–	–	–	–	SPACE							SPACE	–	–	–	20	1	36
	37	1	–	–	–	–	SPACE	(E)						SPACE	–	–	–	20	1	38
	39	1	–	–	–	–	SPACE			0.0				SPACE	–	–	–	20	1	40
	41	1	–	–	–	–	SPACE					0.0		SPACE	–	–	–	20	1	42
							CONNECTED KVA PER PHASE	####		0.09		0.09								

NOTE: (E) – EXISTING

* – PROVIDE CIRCUIT BREAKER, CONDUIT, CONDUCTORS AND GROUND AS REQUIRED PER MANUFACTURER'S REQUIREMENTS.

TOTAL ADDITIONAL CONNECTED KVA: 0.18

TOTAL ADDITIONAL CONNECTED AMPERES: 0.50

PANELBOARD SCHEDULE

DESIGNATION: E2 (EXISTING)
BUS: 100A
MAIN: 100A MCB
MANUFACTURER: SQUARE D NQ
VOLTAGE: 208/ 120V 3ϕ 4W
INTERRUPTING RATING: 65 kAIC
ENCLOSURE: NEMA 1
LOCATION: BUILDING 4 LOBBY
FED BY: E1
MOUNTING: SURFACE

CKT NO	POLE	AMPS	CON (IN)	WIRE (AWG)	G	LOAD	KVA ~ A		KVA ~ B		KVA ~ C		LOAD	G	WIRE (AWG)	CON (IN)	AMPS	POLE	CKT NO	
1	1	20	–	–	–	RECEPTACLES OFFICE AREA							RECEPTACLES SWITCH GEAR RM.	–	–	–	20	1	2	
3	1	20	–	–	–	SPARE							DC BATTERY CHARGER	–	–	–	90	2	4	
5	1	20	–	–	–	JCI CONTROL PANEL													6	
7	1	20	–	–	–	RECEPTACLES		0.14					**SECURITY DOOR JBs UPPER ELECTRICAL ROOM**	**12**	**12**	**3/4"**	**20**	**1**	8	*
9	1	20	–	–	–	SPARE				0.09			**SECURITY DOOR JBs LOWER ELECTRICAL ROOM**	**12**	**12**	**3/4"**	**20**	**1**	10	*
11	1	20	–	–	–	SPARE						0.09	**SECURITY DOOR JBs LOBBY & CHILLER EQMNT ROOM**	**12**	**12**	**3/4"**	**20**	**1**	12	*
13	1	20	–	–	–	SUMP PUMP							STEAM FLOW MONITOR	–	–	–	20	1	14	
15	1	20	–	–	–	JCI ISO VALVES				(E)			JCI HUB IN TUNNEL	–	–	–	20	1	16	
17	1	20	–	–	–	JCI ISO VALVES							RECEPTACLES SWITCH GEAR RM.	–	–	–	20	1	18	
19	1	20	–	–	–	JCI CHWCP		0.36					**NETWORK SW/ACP RECEPTACLES**	**12**	**12**	**3/4"**	**20**	**1**	20	*
21	1	20	–	–	–	JCI CT3, CT4 VB				(E)			SPARE	–	–	–	20	1	22	
23	1	15	–	–	–	JCI AHU 4.1							SPARE	–	–	–	20	1	24	
25	1	20	–	–	–	JCO CT1, CT2 VB		(E)					SPARE	–	–	–	20	1	26	
27	1	20	–	–	–	SPARE				(E)			SPARE	–	–	–	20	1	28	
29	1	20	–	–	–	SPARE						(E)	SPARE	–	–	–	20	1	30	
31	1	20	–	–	–	SPARE		(E)					SPARE	–	–	–	20	1	32	
33	1	20	–	–	–	SPARE							SPARE	–	–	–	20	1	34	
35	1	20	–	–	–	SPARE							SPARE	–	–	–	20	1	36	
37	1	20	–	–	–	SPARE	(E)						SPARE	–	–	–	20	1	38	
39	1	20	–	–	–	SPARE			0.0				SPARE	–	–	–	20	1	40	
41	1	20	–	–	–	SPARE					0.0		SPARE	–	–	–	20	1	42	
43	1	20	–	–	–	SPARE	0.0						SPARE	–	–	–	20	1	44	
45	1	20	–	–	–	SPARE							SPARE	–	–	–	20	1	46	
47	1	20	–	–	–	SPARE							SPARE	–	–	–	20	1	48	
						CONNECTED KVA PER PHASE	0.50		0.09		0.09									

NOTE: (E) – EXISTING

* – PROVIDE CIRCUIT BREAKER, CONDUIT, CONDUCTORS AND GROUND AS REQUIRED PER MANUFACTURER'S REQUIREMENTS.

TOTAL ADDITIONAL CONNECTED KVA: 0.68

TOTAL ADDITIONAL CONNECTED AMPERES: 1.89

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL SCHEDULES 2	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: E-601
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: K.E.B.	

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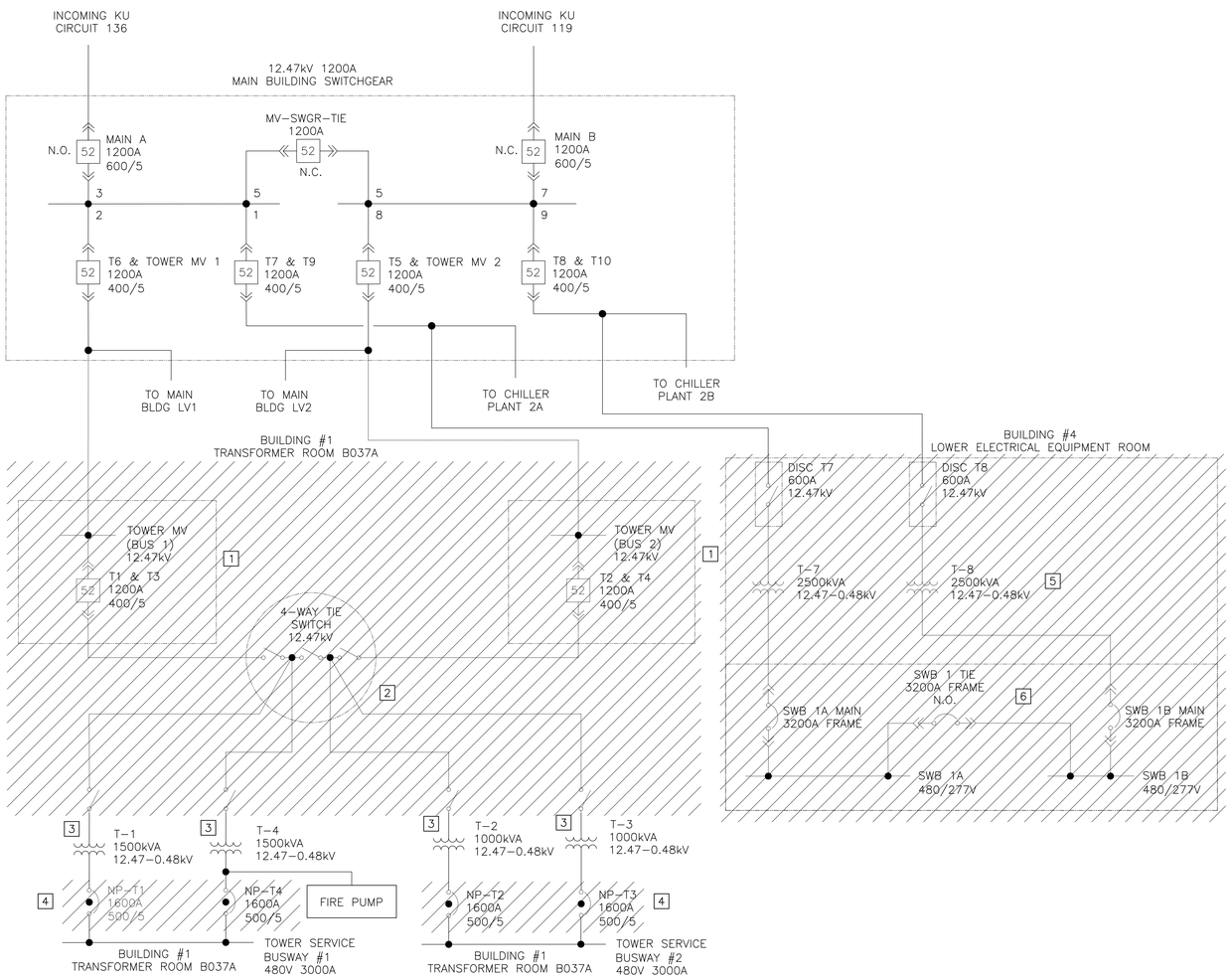
KEYED DEMOLITION NOTES

1. EXISTING TOWER MV SWITCHGEAR CONSISTS OF TWO BUSES IN ONE FOUR-SECTION METAL-CLAD LINEUP. DEMOLISH ENTIRE LINEUP, AND DISCONNECT AND DEMOLISH BOTH SETS OF INCOMING CONDUCTORS. PRESERVE INCOMING CONDUITS AND PENETRATIONS FOR RE-USE.
2. DEMOLISH EXTERIOR FOUR-WAY TIE SWITCH AND ASSOCIATED ENCLOSURE. DEMOLISH ALL ASSOCIATED CONDUCTORS AND CONDUITS BACK TO SOURCE OR LOAD AS APPLICABLE. CAP AND SEAL EXTERIOR CONDUIT PENETRATIONS TO MAINTAIN TWO-HOUR FIRE RESISTANCE RATING OF THE EXTERIOR WALL.
3. DEMOLISH PRIMARY DISCONNECTS FOR TRANSFORMERS T-1, T-2, T-3, AND T-4. DEMOLISH CONNECTIONS FROM EACH DISCONNECT LOAD SIDE TO THE ASSOCIATED TRANSFORMER PRIMARY BUSHINGS. PRESERVE AND PROTECT TRANSFORMERS FOR RE-USE.
4. DEMOLISH THE INTERNAL COMPONENTS ONLY OF THE NETWORK PROTECTORS FOR TRANSFORMERS T-1, T-2, T-3, AND T-4. PRESERVE ENCLOSURES AND BUS STAB CONNECTIONS TO THE ASSOCIATED BUS DUCTS FOR RE-USE.
5. DEMOLISH TRANSFORMERS T-7 AND T-8, THEIR PRIMARY DISCONNECTS, AND THE 480V MAIN-TIE-MAIN SWITCHGEAR THAT THEY SERVE. DISCONNECT AND DEMOLISH ALL CONDUCTORS AND BUSWAY BETWEEN THESE TRANSFORMERS AND THE ASSOCIATED PRIMARY DISCONNECT. PRESERVE ALL INCOMING FEEDERS AND CONDUITS TO THE PRIMARY DISCONNECTS FOR RE-USE. PRESERVE ALL LOW-VOLTAGE FEEDERS AND CONDUITS FOR RE-USE.
6. SEE SHEET E-604 FOR ADDITIONAL INFORMATION ON CHILLER PLANT UNIT SUBSTATION #1 LOW VOLTAGE DISTRIBUTION.



1 / E-602 PRIMARY DISTRIBUTION SINGLE LINE DIAGRAM – TOWER BLDG DISTRIBUTION DEMOLITION

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10/31/2025
Elizabeth L. Tuomey
Lic. No. 65136
PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PRIMARY DISTRIBUTION SINGLE LINE DIAGRAMS - DEMOLITION
Phase	BID DOCUMENTS
Project Title	REPLACE MAIN ELECTRICAL DISTRIBUTION
Project Number	596A4-24-101
Building Number	N/A
Approved: Project Director	LEXINGTON VA HEALTH CARE SYSTEM
Location	1101 VETERANS DRIVE LEXINGTON, KY 40502
Issue Date	10/29/2025
Checked	D.L.E.
Drawn	T.C.M.
Drawing Number	E-602

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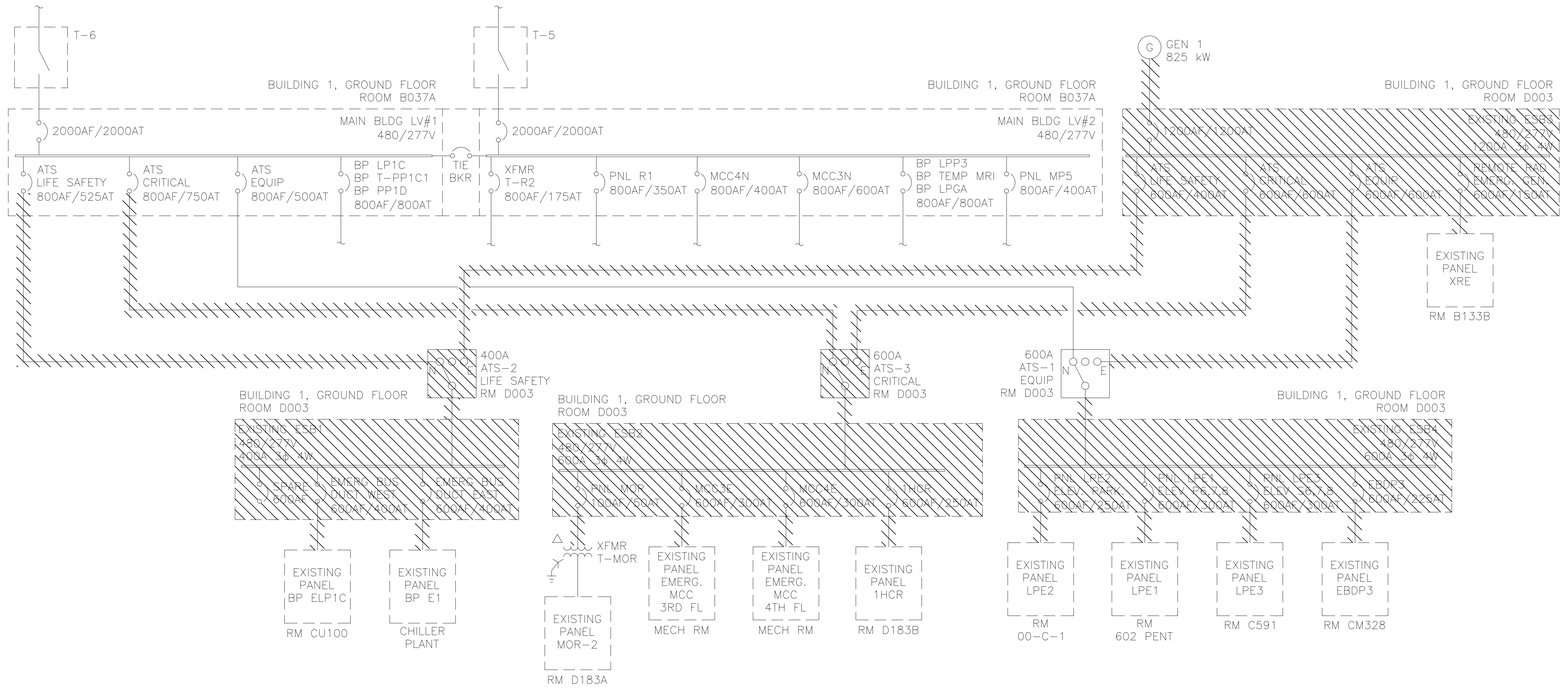

1 E-603 PARTIAL ONE-LINE DIAGRAM 1 – BUILDING 1 DEMOLITION

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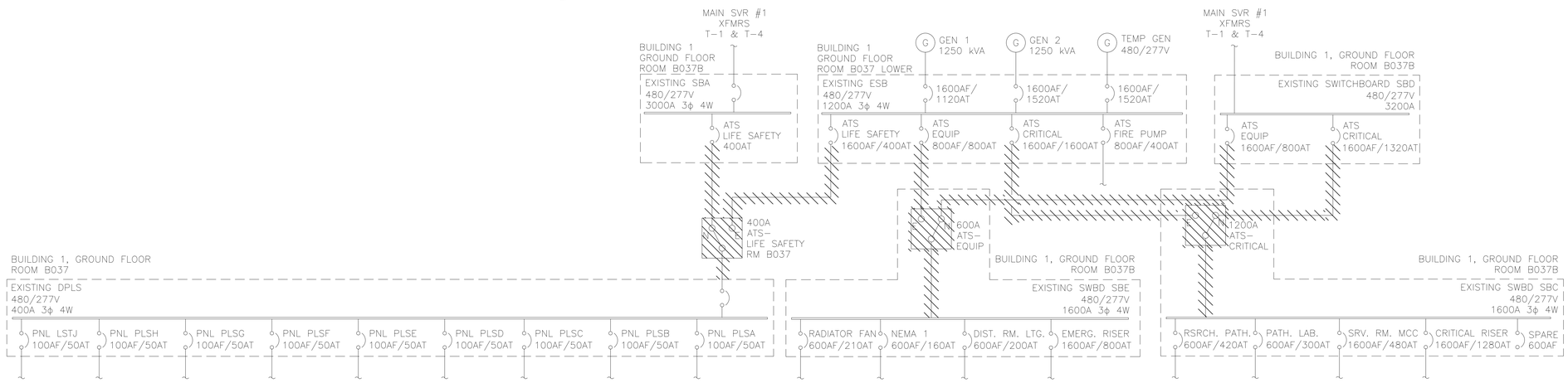

2 E-603 PARTIAL ONE-LINE DIAGRAM 2 – BUILDING 1 DEMOLITION

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Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PARTIAL ONE-LINE DIAGRAMS - BUILDING 1 DEMOLITION	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: E-603
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: K.E.B.	

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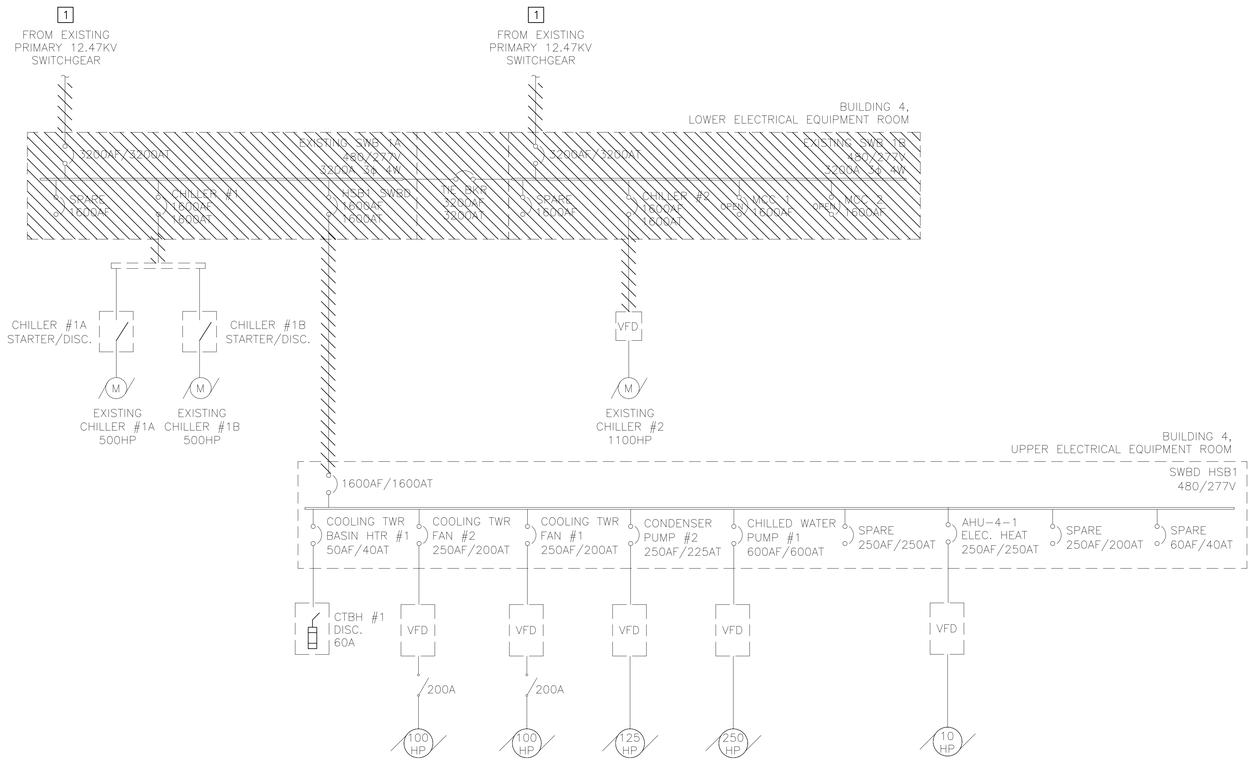
KEYED DEMOLITION NOTE

1 SEE SHEET E–602 FOR ADDITIONAL INFORMATION ON CONTINUATION TO PRIMARY DISTRIBUTION.



1 / E–604 PARTIAL ONE–LINE DIAGRAM – BUILDING 4 DEMOLITION

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PARTIAL ONE-LINE DIAGRAMS - BUILDING 4 DEMOLITION	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: E-604
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	

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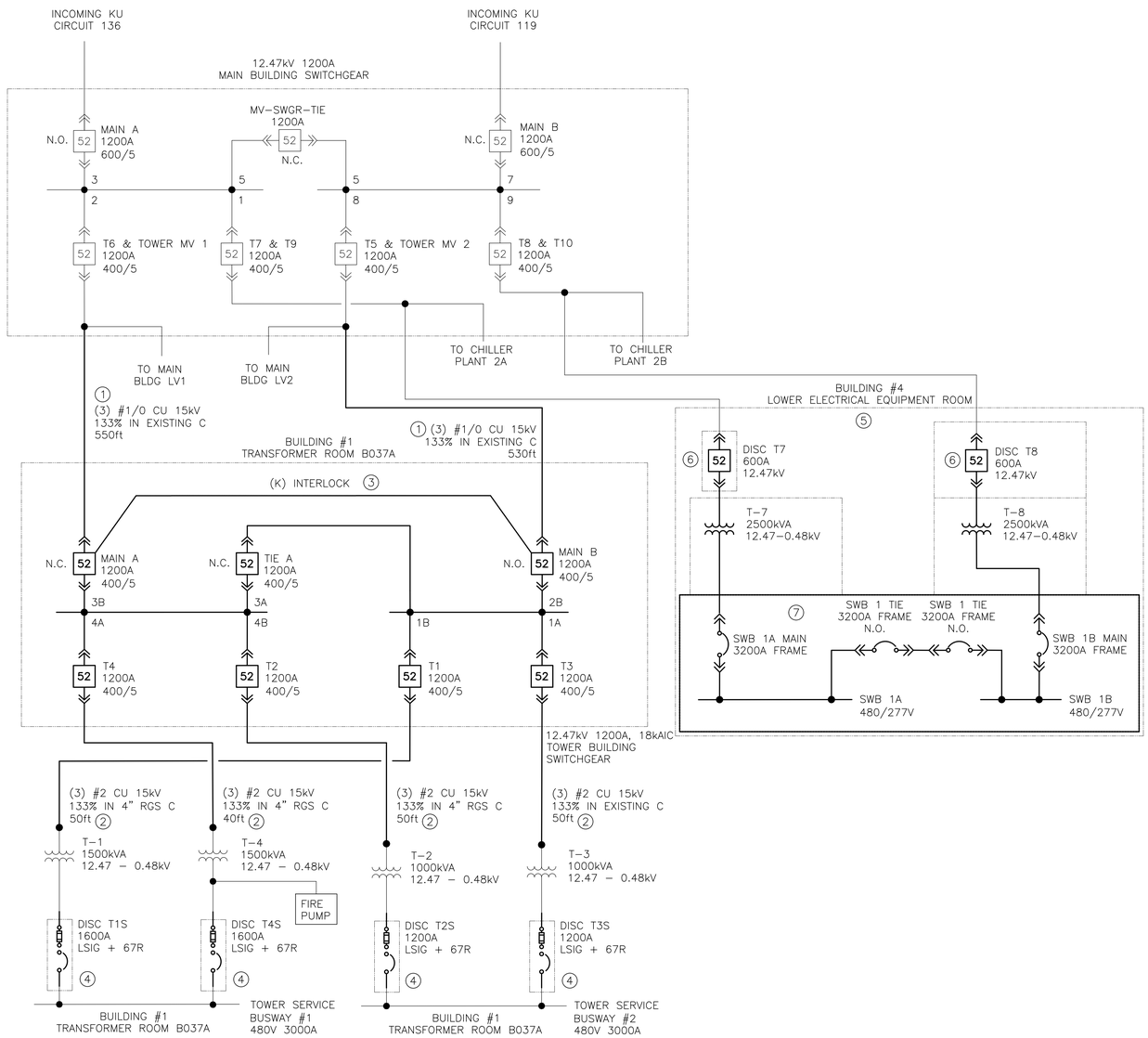
KEYED NEW WORK NOTES

1. PROVIDE CONDUCTORS IN EXISTING PATHWAYS FROM LUGS OF THE FEEDER BREAKER IN MAIN BUILDING MV SWGR TO EACH INCOMING MAIN SECTION OF THE TOWER SWGR.
2. PROVIDE CONDUCTORS IN OVERHEAD CONDUIT FROM TOWER SWGR TO EACH TRANSFORMER. MOUNT CONDUIT MIN 8'AFF. PROVIDE TRANSITION SECTION AT THE PRIMARY OF EACH TRANSFORMER FOR THE CONNECTION TO NEW CABLE TO THE TRANSFORMER PRIMARY BUS.
3. PROVIDE KEY INTERLOCKS FOR EACH MAIN BREAKER SUCH THAT ONLY ONE CAN BE CLOSED AT ANY TIME.
4. PROVIDE HIGH–PRESSURE CONTACT SWITCH WITH LSIG TRIP UNIT CAPABLE OF REVERSE–POWER PROTECTION AND MOUNT WITHIN EXISTING NETWORK PROTECTOR ENCLOSURE OR EXISTING ENCLOSURE FOOTPRINT. PROVIDE ADAPTORS AND ANY OTHER ACCESSORIES REQUIRED TO MAKE FINAL CONNECTIONS TO THE EXISTING TRANSFORMER SECONDARY ON THE LINE SIDE AND TO THE EXISTING BUSDUCT STABS ON THE LOAD SIDE.
5. PROVIDE NEW UNIT SUBSTATION IN PLACE OF EXISTING. PROVIDE THE LOW VOLTAGE SECTION, BOTH TRANSFORMERS, AND THE PRIMARY METAL CLAD CIRCUIT BREAKER FOR T–8 AS ONE CONTINUOUS LINEUP. PROVIDE PRIMARY DISCONNECT FOR T–7 AS A FREESTANDING DISCONNECT. SEE FLOOR PLANS FOR EQUIPMENT LOCATIONS. SEE LOW–VOLTAGE ONELINES FOR FULL SWITCHGEAR CONNECTIONS, FEEDERS, AND FURTHER INFORMATION.
6. PROVIDE METAL CLAD CIRCUIT BREAKER IN PLACE OF EXISTING PRIMARY DISCONNECTS. RECONNECT TO EXISTING INCOMING FEEDERS LEFT IN PLACE DURING DEMOLITION.
7. SEE SHEET E–607 FOR ADDITIONAL INFORMATION ON CHILLER PLANT UNIT SUBSTATION #1 LOW VOLTAGE DISTRIBUTION.



1 / E–605 PRIMARY DISTRIBUTION SINGLE LINE DIAGRAM – TOWER BLDG DISTRIBUTION NEW WORK

SCALE:NOT TO SCALE

Revisions:	Date:

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STAMP: COMMONWEALTH OF VIRGINIA 10/31/2025 Elizabeth L. Tuomey Lic. No. 65136 PROFESSIONAL ENGINEER

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: PRIMARY DISTRIBUTION SINGLE LINE DIAGRAMS - NEW WORK	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: E-605
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	

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COPPER CONDUCTOR, GROUND & CONDUIT SCHEDULE

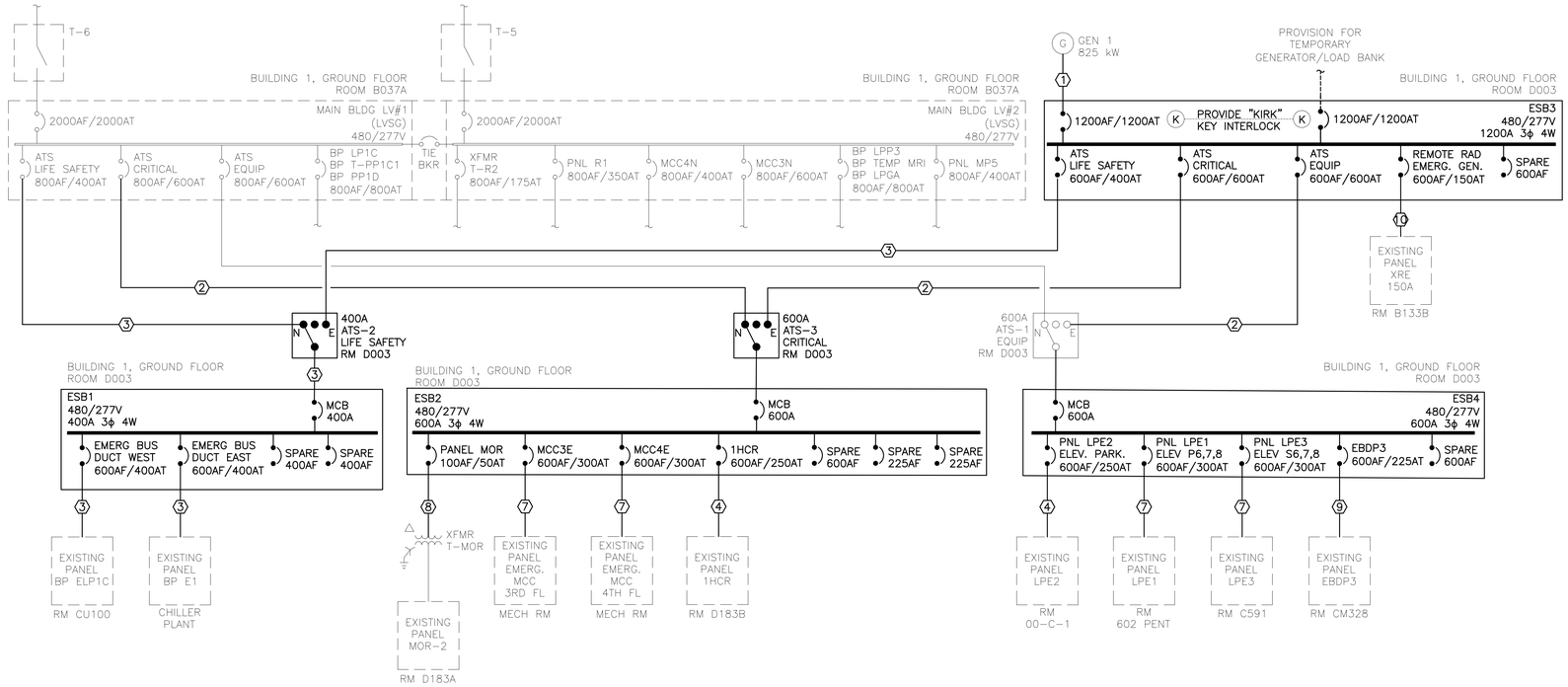
TAG	CONDUCTOR SIZES (AWG/KCMIL), CONDUIT SIZE AND NUMBER OF PARALLEL RUNS IS INDICATED BY THE NUMBER OF SETS IF MORE THAN ONE; EXAMPLE (NUMBER(##) OF SETS)				
	CONDUCTORS (3W)	CONDUCTORS (4W)	GROUND	CONDUIT	SETS
1	–	350 KCMIL	3/0	3"	4
2	–	350 KCMIL	#1	3"	2
3	–	500 KCMIL	#3	3 1/2"	1
4	–	250 KCMIL	#4	3"	1
5	–	350 KCMIL	1	2 1/2"	2
6	–	350 KCMIL	3/0	3"	4
7	–	350 KCMIL	#4	2 1/2"	1
8	–	#6	#10	1"	1
9	–	4/0	#4	2 1/2"	1
10	–	1/0	#6	1 1/2"	1

GENERAL NOTE

1. PROVIDE NEW ATS CONTROLS AND MONITORING FROM ATS TO GENERATOR AND OTHER CAMPUS–WIDE CONNECTIONS FOR ALL NEW ATS's.

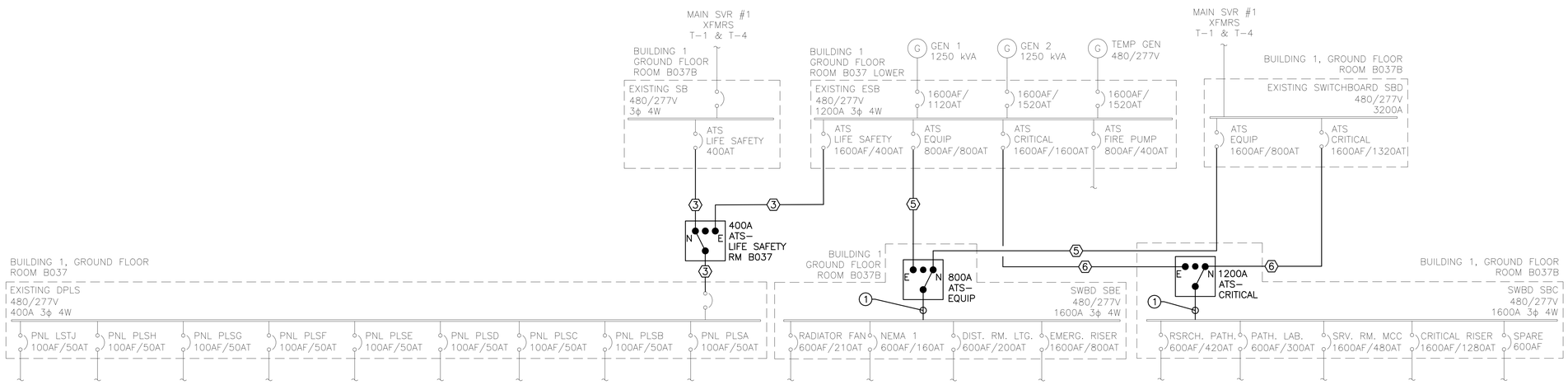
KEYED NEW WORK NOTE

1. CONNECT BUS–DUCT FEED TO INTERNAL BUS–BAR CONNECTION ON SWITCHBOARD.



1 E-606 PARTIAL ONE–LINE DIAGRAM 1 – BUILDING 1 NEW WORK

SCALE: NOT TO SCALE



2 E-606 PARTIAL ONE–LINE DIAGRAM 2 – BUILDING 1 NEW WORK

SCALE: NOT TO SCALE

Revisions:	Date:

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REGISTERED PROFESSIONAL ENGINEER — DUSHA — No. PE045114

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PARTIAL ONE-LINE DIAGRAMS -BUILDING 1 NEW WORK	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: E-606
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: K.E.B.	

File Path

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COPPER CONDUCTOR, GROUND & CONDUIT SCHEDULE

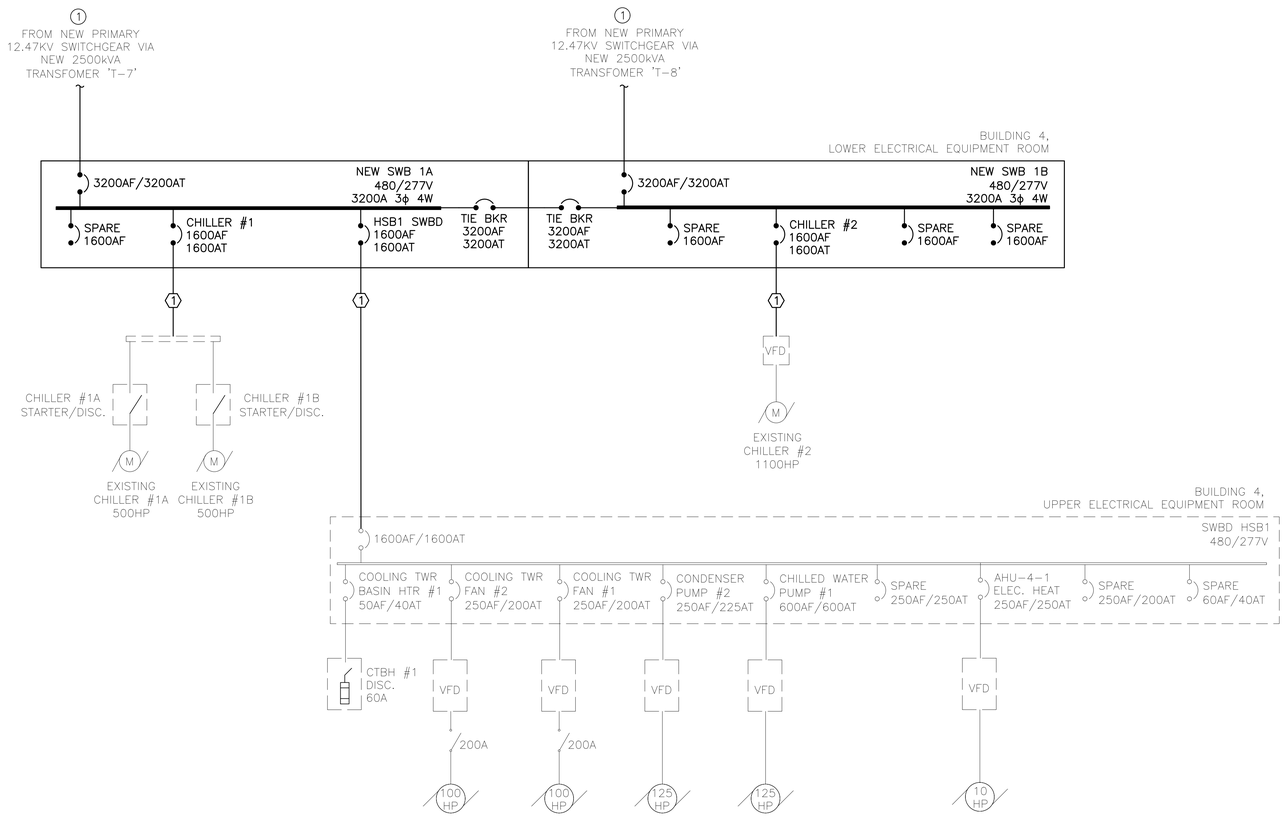
TAG	CONDUCTOR SIZES (AWG/KCMIL), CONDUIT SIZE AND NUMBER OF PARALLEL RUNS IS INDICATED BY THE NUMBER OF SETS IF MORE THAN ONE; EXAMPLE (NUMBER(##) OF SETS)				
	CONDUCTORS (3W)	CONDUCTORS (4W)	GROUND	CONDUIT	SETS
1	–	400 KCMIL	4/0	3"	5

KEYED NEW WORK NOTE

1. SEE SHEET E–605 FOR ADDITIONAL INFORMATION ON CONTINUATION TO PRIMARY DISTRIBUTION.

GENERAL NOTE

1. PROVIDE INTERLOCK SYSTEM TO ENSURE MULTIPLE SOURCES CANNOT BE UTILIZED AT THE SAME TIME WHILE TIE BREAKERS ARE CLOSED.



1 E–607 PARTIAL ONE–LINE DIAGRAM – BUILDING 4 NEW WORK

SCALE: NOT TO SCALE

Revisions:	Date:

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VA U.S. Department of Veterans Affairs

Drawing Title: PARTIAL ONE-LINE DIAGRAM - BUILDING 4 NEW WORK	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: E-607
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	

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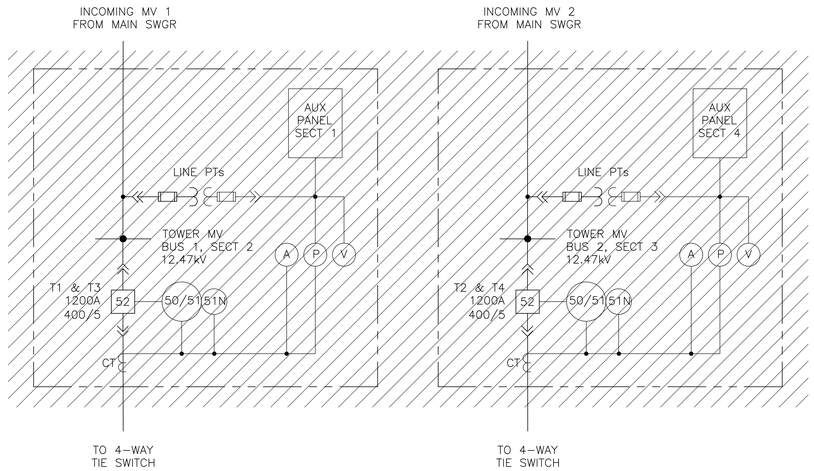


LINEWORK LEGEND:

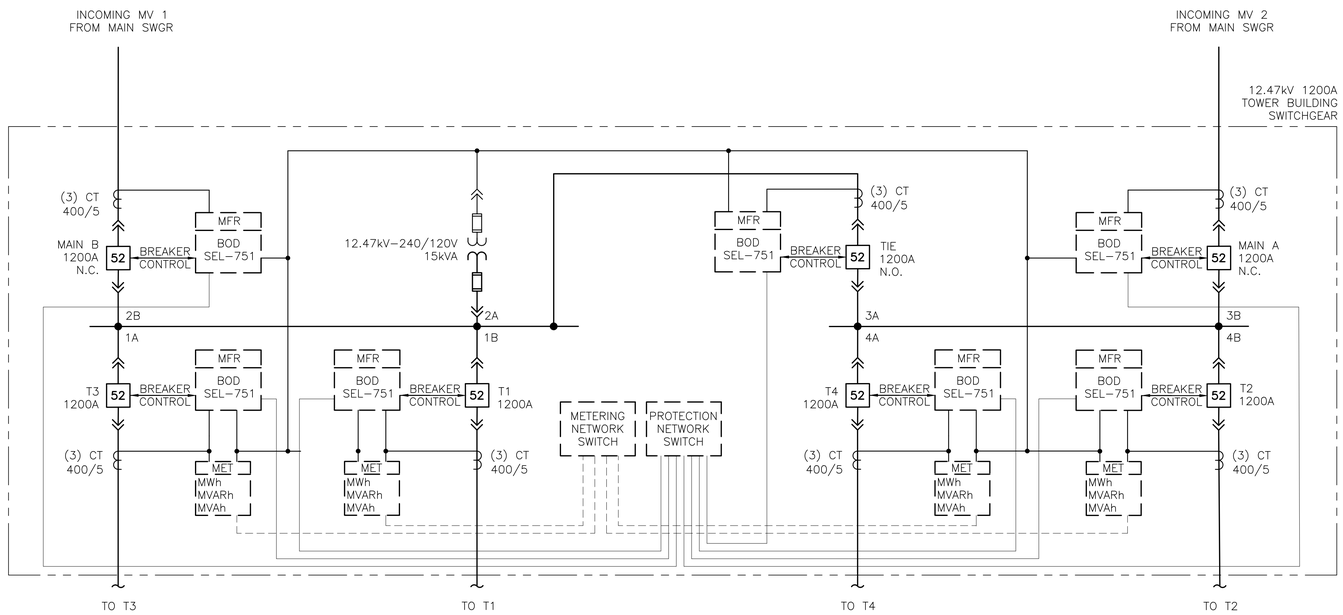
- EQUIPMENT ENCLOSURE EXTENTS
- EXISTING LV EQUIPMENT AND WIRING
- EXISTING POWER EQUIPMENT AND WIRING

DEVICE LEGEND:

52	MEDIUM-VOLTAGE DRAWOUT CIRCUIT BREAKER
50	ELECTRO-MECHANICAL INSTANTANEOUS OVERCURRENT RELAY
51	ELECTRO-MECHANICAL TIME OVERCURRENT RELAY
51N	ELECTRO-MECHANICAL TIME OVERCURRENT NEUTRAL PROTECTION
A	ANALOG AMMETER
P	ANALOG POWER METER
V	ANALOG KILOVOLTMETER

PRIMARY DISTRIBUTION METERING AND RELAY DIAGRAM – DEMOLITION

SCALE: NO SCALE



LINEWORK LEGEND:

- CONTROL AND AUXILIARY EQUIPMENT
- LV INSTRUMENTATION WIRING
- PROTECTIVE DEVICE COMMUNICATIONS WIRING
- EQUIPMENT ENCLOSURE EXTENTS
- CONTROL POWER EQUIPMENT AND WIRING
- METERING COMMUNICATIONS WIRING
- MV POWER EQUIPMENT AND WIRING

DEVICE LEGEND:

52	MEDIUM-VOLTAGE DRAWOUT CIRCUIT BREAKER
MET	DIGITAL METER
MFR	MULTI-FUNCTION RELAY

NOTES:

1. TOWER SWITCHGEAR TRANSFER SCHEME IS TO BE MANUAL ONLY, PROVIDE KEY INTERLOCKS FOR EACH MAIN BREAKER SUCH THAT ONLY ONE CAN BE CLOSED AT ANY TIME.

PRIMARY DISTRIBUTION METERING AND RELAY DIAGRAM – NEW WORK

SCALE: NO SCALE

Revisions: Date:

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10/31/2025
Elizabeth L. Tuomey
Lic. No. 65136
PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PRIMARY DISTRIBUTION METERING AND RELAY DIAGRAMS - DEMOLITION AND NEW WORK
Phase	BID DOCUMENTS
Project Title	REPLACE MAIN ELECTRICAL DISTRIBUTION
Project Number	596A4-24-101
Building Number	
Approved: Project Director	LEXINGTON VA HEALTH CARE SYSTEM
Location	1101 VETERANS DRIVE LEXINGTON, KY 40502
Drawing Number	E-608
Issue Date	10/29/2025
Checked	DDM
Drawn	ELT

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ELECTRONIC SAFETY AND SECURITY SYMBOLS

- EXISTING FOB READER
- EXISTING CAMERA
- 180 DEGREE MULTI-LENS CAMERA
- 270 DEGREE MULTI-LENS CAMERA
- 360 DEGREE MULTI-LENS CAMERA
- SC — SUB-CONTROLLER
- L — DOOR LOCK
- S — DOOR POSITION SWITCH
- C — DOOR CONTACT
- FIXED CAMERA
- BULLET CAMERA
- DOME CAMERA
- DROP ARM VEHICLE GATE
- × — SECURED SIDE OF DOOR.
- CARD READER WITH KEYPAD; LETTER INDICATES AS FOLLOWS:
  M=MOUNT
  C-CEILING D-DESK F-FLUSH H-HIDDEN
  M-MULLION P-PEDESTALR-RACK S-SURFACE W-WALL

CONDUIT ROUTING LEGEND

- ----- CONDUIT ROUTING
- ○ CONDUIT RISE
- ∪ CONDUIT DROP
- ⊗ CONDUIT RISE/DROP
- PB — PULL BOX

SECURITY EQUIPMENT SCHEDULE ABBREVIATIONS

DSPI	DURESS SECURITY PHONE INTERCOM
DSS	DETECTION AND SCREENING SYSTEM
IDS	INTRUSION DETECTION SYSTEMS
LPR	LICENSE PLATE READER
PACS	PHYSICAL ACCESS CONTROL SYSTEMS
PIR	PASSIVE INFRARED
PIV	PERSONAL IDENTITY VERIFICATION CARD
REX	REQUEST TO EXIT
SSC	SECURITY CONTROL CENTER
SSTV	SECURITY SURVEILLANCE TELEVISION

GENERAL

- DEMOLITION

LINE TYPE LEGEND

- ———— (1) 2" PVC SCHEDULE 40 UNDERGROUND CONDUIT.
- —— E2 —— (2) 2" PVC SCHEDULE 40 UNDERGROUND CONDUIT. SEE DETAIL 1/TY-502.
- —— E4 —— (4) 2" PVC SCHEDULE 40 UNDERGROUND CONDUIT. SEE DETAIL 2/TY-502.
- —— E6 —— (6) 2" PVC SCHEDULE 40 UNDERGROUND CONDUIT. SEE DETAIL 3/TY-502.

NOTE: NOT ALL SYMBOLS & ABBREVIATIONS USED

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VA U.S. Department of Veterans Affairs

Drawing Title: SECURITY SYMBOLS & ABBREVIATIONS	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: TY-001
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	

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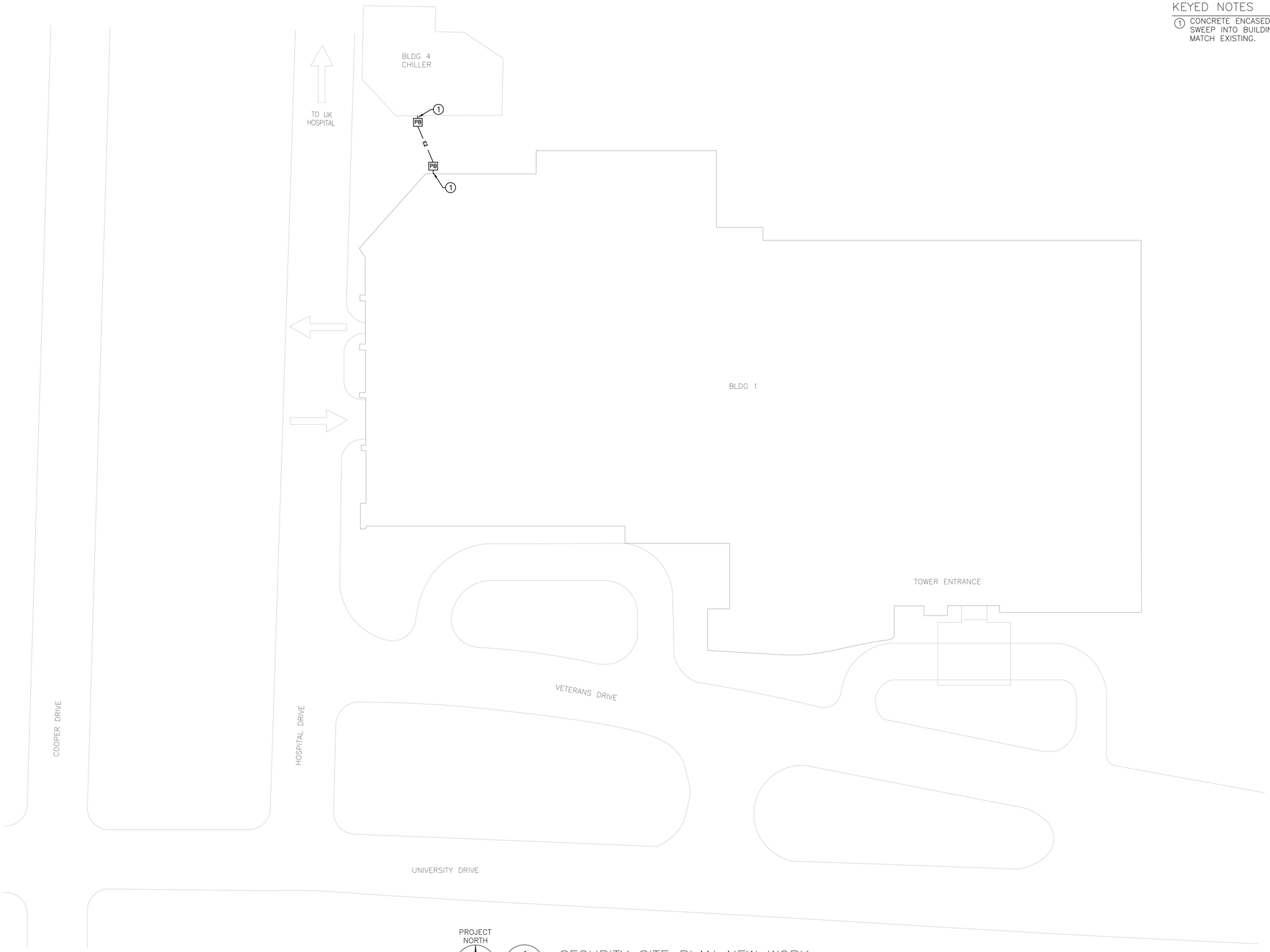
KEYED NOTES

1. CONCRETE ENCASED CONDUIT WITH CONDUIT SWEEP INTO BUILDING. ADD BRICK FACIA OVER TO MATCH EXISTING.



PROJECT NORTH

N

1 / TY-100

SECURITY SITE PLAN NEW WORK

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

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VA U.S. Department of Veterans Affairs

Drawing Title: SECURITY SITE PLAN NEW WORK	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: TY-100
		Issue Date: 10/29/2025 / Checked: D.L.E. / Drawn: T.C.M.	

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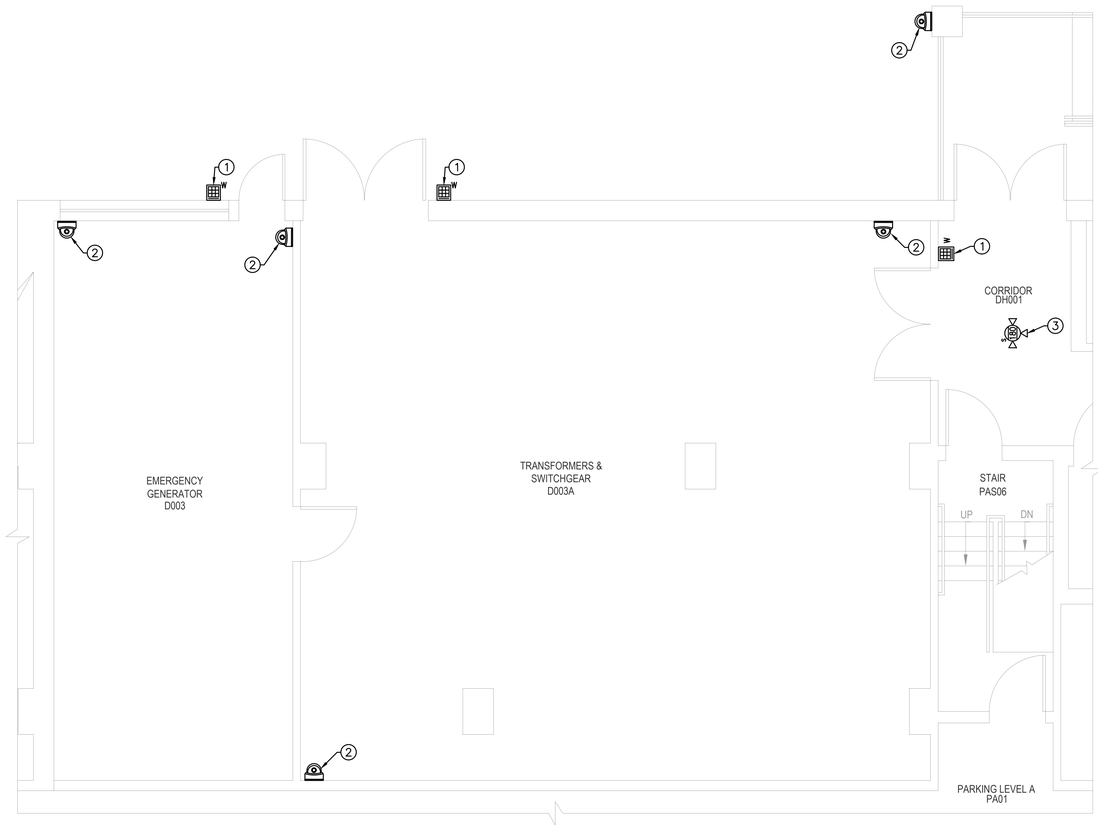


PROJECT NORTH

1 / TY-101

BUILDING 1 GROUND FLOOR
ENLARGED SECURITY NEW WORK PLAN 1

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

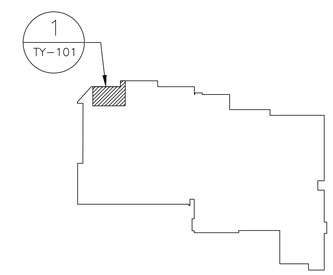
GENERAL NOTES

1. FOR ALL ASSOCIATED CAMERA INSTALLATIONS, FINAL MOUNTING HEIGHT SHALL BE COORDINATED WITH ARCHITECTURAL PLANS/LAYOUT.
2. FOR ALL ACCESS CONTROL AND SURVEILLANCE DEVICES, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL ASSOCIATED DEVICES REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
3. ALL CAMERAS ARE TO BE PROGRAMMED WITH ANALYTICS FOR TRESPASSING AND LEFT BEHIND OBJECT, AND TIED TO THE PIV/PACS AND LINKED TO THE EXISTING SECURITY SYSTEM.
4. ALL CAMERA WIRING SHALL BE TERMINATED WITH AN INSULATION DISPLACEMENT CONNECTION. THIS REQUIRES A JACK ON THE CAMERA SIDE AND A PATH PANEL TERMINATION ON THE TELECOM ROOM SIDE. NO FIELD RJ45 CONNECTORS ARE PERMITTED.
5. FOR ALL ACCESS CONTROL AND SURVEILLANCE DEVICES PROVIDED UNDER THIS SCOPE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE PROGRAMMING AND INTEGRATION INTO THE EXISTING SECURITY SYSTEM. THE CONTRACTOR SHALL ENSURE THAT ALL NEWLY INSTALLED DEVICES ARE FULLY COMPATIBLE WITH THE EXISTING INFRASTRUCTURE AND COMPLY WITH ALL APPLICABLE VA SECURITY REQUIREMENTS, STANDARDS, AND GUIDELINES.

   THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS DETAILING ALL ASSOCIATED DEVICES, CABLING, CONNECTIONS, AND COMPONENTS NECESSARY TO PROVIDE A COMPLETE, FULLY FUNCTIONAL, AND OPERATIONAL SYSTEM.
6. CONTRACTOR SHALL COORDINATE WITH LEXINGTON VAMC EXISTING SECURITY VENDOR. ALL SYSTEMS SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM. CONTRACTOR SHALL ENSURE ALL DEVICES ARE PROVIDED TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM AT THE COMPLETION OF CONSTRUCTION. ALL WORK SHALL BE COORDINATED WITH THE VA COR. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL DEVICES REQUIRED.

KEYED NOTES

1. CARD READER BASIS OF DESIGN SHALL BE TYCO iSTAR EDGE G2 BY JOHNSON CONTROLS. PROVIDE CARD READER, CLOSER, CONTINUOUS HINGE, DOOR CONTACT, ELECTRIC STRIKE, FLUSH BOLTS, MORTISE LOCK. DOOR SHALL BE ARMED WITH DUAL-AUTHENTICATION PIV/PIN CODE PACS AND IDS. OUTSIDE LEVER MUST ALWAYS BE RIGID. CARD READER SHALL RELEASE ELECTRIC STRIKE OR COMBINATION LOCK SHALL RETRACT LATCH BOLT. INSIDE LEVER SHALL RETRACT LATCH BOLT AT ALL TIME. DOOR MONITOR SHALL BE ALARMED AT CENTRAL MONITORING STATION. ENSURE CONTACT SENSOR CONTAINS LOCAL ANTI-PROP/FORCED ENTRY ALARM AND IS TIED TO SCC. CONTRACTOR TO PROVIDE SHOP DRAWINGS SHOWING CONNECTION TO EXISTING SYSTEM, INCLUDING ALL MATERIALS AND DEVICES TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM.
2. FIXED 90° MOTION-ACTIVATED CAMERA BASIS OF DESIGN SHALL BE Q SERIES QND-8010R BY WISENET. PROVIDE ALL ASSOCIATED CONNECTIONS. ALL CONNECTIONS SHALL BE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. SHALL BE COMPATIBLE WITH EXISTING SURVEILLANCE SYSTEM.
3. FIXED 180° CAMERA BASIS OF DESIGN SHALL BE Q SERIES QND-8010R BY WISENET. PROVIDE ALL ASSOCIATED WIRING DEVICES, MATERIALS, MOUNTING AND PROGRAMMING TO INTEGRATE THE CAMERA INTO THE EXISTING VIDEO SURVEILLANCE SYSTEM. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INCLUDING ALL ASSOCIATED DEVICES AND MATERIALS TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM AT THE COMPLETION OF CONSTRUCTION. SHALL BE COMPATIBLE WITH EXISTING SURVEILLANCE SYSTEM.



PROJECT NORTH

BUILDING 1 GROUND FLOOR KEY PLAN

SCALE: 1/128"=1'-0"

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 1 GROUND FLOOR ENLARGED SECURITY NEW WORK PLAN 1	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: 1
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: TY-101
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: E.G.W.	

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PROJECT NORTH

1 / TY-102

BUILDING 1 GROUND FLOOR ENLARGED SECURITY NEW WORK PLAN 2

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

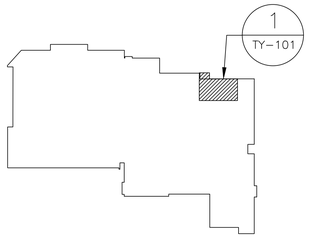
GENERAL NOTES

1. FOR ALL ASSOCIATED CAMERA INSTALLATIONS, FINAL MOUNTING HEIGHT SHALL BE COORDINATED WITH ARCHITECTURAL PLANS/LAYOUT.
2. FOR ALL ACCESS CONTROL AND SURVEILLANCE DEVICES, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL ASSOCIATED DEVICES REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
3. ALL CAMERAS ARE TO BE PROGRAMMED WITH ANALYTICS FOR TRESPASSING AND LEFT BEHIND OBJECT, AND TIED TO THE PIV/PACS AND LINKED TO THE EXISTING SECURITY SYSTEM.
4. ALL CAMERA WIRING SHALL BE TERMINATED WITH AN INSULATION DISPLACEMENT CONNECTION. THIS REQUIRES A JACK ON THE CAMERA SIDE AND A PATH PANEL TERMINATION ON THE TELECOM ROOM SIDE. NO FIELD RJ45 CONNECTORS ARE PERMITTED.
5. FOR ALL ACCESS CONTROL AND SURVEILLANCE DEVICES PROVIDED UNDER THIS SCOPE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE PROGRAMMING AND INTEGRATION INTO THE EXISTING SECURITY SYSTEM. THE CONTRACTOR SHALL ENSURE THAT ALL NEWLY INSTALLED DEVICES ARE FULLY COMPATIBLE WITH THE EXISTING INFRASTRUCTURE AND COMPLY WITH ALL APPLICABLE VA SECURITY REQUIREMENTS, STANDARDS, AND GUIDELINES.

   THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS DETAILING ALL ASSOCIATED DEVICES, CABLING, CONNECTIONS, AND COMPONENTS NECESSARY TO PROVIDE A COMPLETE, FULLY FUNCTIONAL, AND OPERATIONAL SYSTEM.
6. CONTRACTOR SHALL COORDINATE WITH LEXINGTON VAMC EXISTING SECURITY VENDOR. ALL SYSTEMS SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM. CONTRACTOR SHALL ENSURE ALL DEVICES ARE PROVIDED TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM AT THE COMPLETION OF CONSTRUCTION. ALL WORK SHALL BE COORDINATED WITH THE VA COR. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL DEVICES REQUIRED.

KEYED NOTES

1. CARD READER BASIS OF DESIGN SHALL BE TYCO iSTAR EDGE G2 BY JOHNSON CONTROLS. PROVIDE CARD READER, CLOSER, CONTINUOUS HINGE, DOOR CONTACT, ELECTRIC STRIKE, FLUSH BOLTS, MORTISE LOCK. DOOR SHALL BE ARMED WITH DUAL-AUTHENTICATION PIV/PIN CODE PACS AND IDS. OUTSIDE LEVER MUST ALWAYS BE RIGID. CARD READER SHALL RELEASE ELECTRIC STRIKE OR COMBINATION LOCK SHALL RETRACT LATCH BOLT. INSIDE LEVER SHALL RETRACT LATCH BOLT AT ALL TIME. DOOR MONITOR SHALL BE ALARMED AT CENTRAL MONITORING STATION. ENSURE CONTACT SENSOR CONTAINS LOCAL ANTI-PROP/FORCED ENTRY ALARM AND IS TIED TO SCC. CONTRACTOR TO PROVIDE SHOP DRAWINGS SHOWING CONNECTION TO EXISTING SYSTEM, INCLUDING ALL MATERIALS AND DEVICES TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM.
2. FIXED 90° MOTION-ACTIVATED CAMERA BASIS OF DESIGN SHALL BE Q SERIES QND-8010R BY WISENET. PROVIDE ALL ASSOCIATED CONNECTIONS. ALL CONNECTIONS SHALL BE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. SHALL BE COMPATIBLE WITH EXISTING SURVEILLANCE SYSTEM.



PROJECT NORTH

BUILDING 1 GROUND FLOOR KEY PLAN

SCALE: 1/128"=1'-0"

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 1 GROUND FLOOR ENLARGED SECURITY NEW WORK PLAN 2	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: 1
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: TY-102
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	

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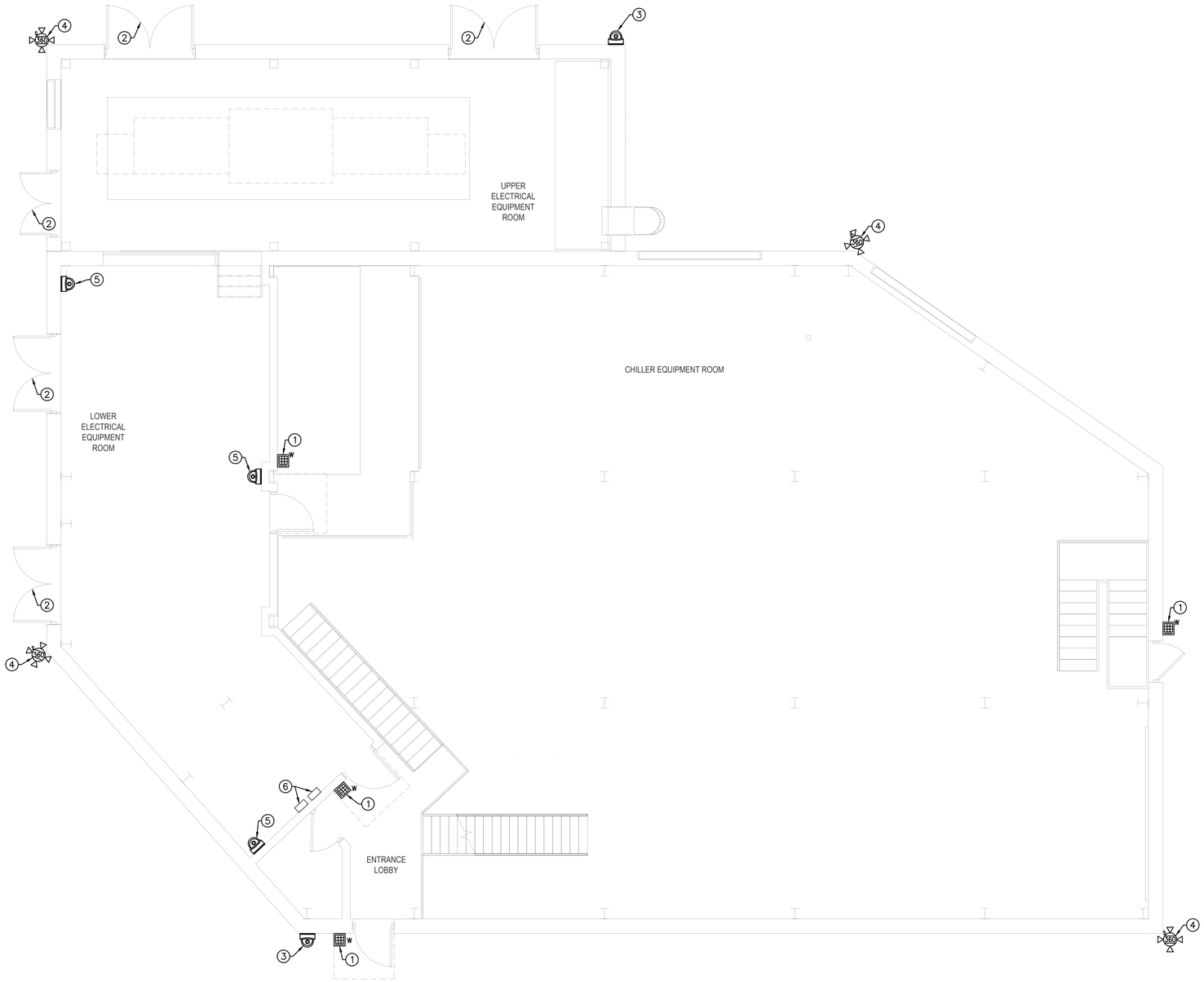

PROJECT NORTH

1 / TY-103

BUILDING 4 MEZZANINE SECURITY NEW WORK PLAN

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

GENERAL NOTES

1. FOR ALL ASSOCIATED CAMERA INSTALLATIONS, FINAL MOUNTING HEIGHT SHALL BE COORDINATED WITH ARCHITECTURAL PLANS/LAYOUT.
2. FOR ALL ACCESS CONTROL AND SURVEILLANCE DEVICES, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL ASSOCIATED DEVICES REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
3. ALL CAMERAS ARE TO BE PROGRAMMED WITH ANALYTICS FOR TRESPASSING AND LEFT BEHIND OBJECT, AND TIED TO THE PIV/PACS AND LINKED TO THE EXISTING SECURITY SYSTEM.
4. ALL CAMERA WIRING SHALL BE TERMINATED WITH AN INSULATION DISPLACEMENT CONNECTION. THIS REQUIRES A JACK ON THE CAMERA SIDE AND A PATH PANEL TERMINATION ON THE TELECOM ROOM SIDE. NO FIELD RJ45 CONNECTORS ARE PERMITTED.
5. FOR ALL ACCESS CONTROL AND SURVEILLANCE DEVICES PROVIDED UNDER THIS SCOPE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE PROGRAMMING AND INTEGRATION INTO THE EXISTING SECURITY SYSTEM. THE CONTRACTOR SHALL ENSURE THAT ALL NEWLY INSTALLED DEVICES ARE FULLY COMPATIBLE WITH THE EXISTING INFRASTRUCTURE AND COMPLY WITH ALL APPLICABLE VA SECURITY REQUIREMENTS, STANDARDS, AND GUIDELINES.

   THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS DETAILING ALL ASSOCIATED DEVICES, CABLING, CONNECTIONS, AND COMPONENTS NECESSARY TO PROVIDE A COMPLETE, FULLY FUNCTIONAL, AND OPERATIONAL SYSTEM.
6. CONTRACTOR SHALL COORDINATE WITH LEXINGTON VAMC EXISTING SECURITY VENDOR. ALL SYSTEMS SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM. CONTRACTOR SHALL ENSURE ALL DEVICES ARE PROVIDED TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM AT THE COMPLETION OF CONSTRUCTION. ALL WORK SHALL BE COORDINATED WITH THE VA COR. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL DEVICES REQUIRED.

KEYED NOTES

1. CARD READER BASIS OF DESIGN SHALL BE TYCO iSTAR EDGE G2 BY JOHNSON CONTROLS. PROVIDE CARD READER, CLOSER, CONTINUOUS HINGE, DOOR CONTACT, ELECTRIC STRIKE, FLUSH BOLTS, MORTISE LOCK. DOOR SHALL BE ARMED WITH DUAL-AUTHENTICATION PIV/PIN CODE PACS AND IDS. OUTSIDE LEVER MUST ALWAYS BE RIGID. CARD READER SHALL RELEASE ELECTRIC STRIKE OR COMBINATION LOCK SHALL RETRACT LATCH BOLT. INSIDE LEVER SHALL RETRACT LATCH BOLT AT ALL TIME. DOOR MONITOR SHALL BE ALARMED AT CENTRAL MONITORING STATION. ENSURE CONTACT SENSOR CONTAINS LOCAL ANTI-PROP/FORCED ENTRY ALARM AND IS TIED TO SCC. CONTRACTOR TO PROVIDE SHOP DRAWINGS SHOWING CONNECTION TO EXISTING SYSTEM, INCLUDING ALL MATERIALS AND DEVICES TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM.
2. PROVIDE DOOR CONTACTS (PROGRAMMED ANTI-PROP ALARM)
3. FIXED 180° CAMERA BASIS OF DESIGN SHALL BE Q SERIES QND-8010R BY WISENET. PROVIDE ALL ASSOCIATED WIRING DEVICES, MATERIALS, MOUNTING AND PROGRAMMING TO INTEGRATE THE CAMERA INTO THE EXISTING VIDEO SURVEILLANCE SYSTEM. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INCLUDING ALL ASSOCIATED DEVICES AND MATERIALS TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM AT THE COMPLETION OF CONSTRUCTION. SHALL BE COMPATIBLE WITH EXISTING SURVEILLANCE SYSTEM.
4. FIXED 360° CAMERA BASIS OF DESIGN SHALL BE Q SERIES QNV-8010R BY WISENET. PROVIDE ALL ASSOCIATED WIRING DEVICES, MATERIALS, MOUNTING AND PROGRAMMING TO INTEGRATE THE CAMERA INTO THE EXISTING VIDEO SURVEILLANCE SYSTEM. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INCLUDING ALL ASSOCIATED DEVICES AND MATERIALS TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM AT THE COMPLETION OF CONSTRUCTION. SHALL BE COMPATIBLE WITH EXISTING SURVEILLANCE SYSTEM.
5. DOME CAMERA BASIS OF DESIGN SHALL BE Q SERIES QND-8010R BY WISENET. PROVIDE ALL ASSOCIATED WIRING DEVICES, MATERIALS, MOUNTING AND PROGRAMMING TO INTEGRATE THE CAMERA INTO THE EXISTING VIDEO SURVEILLANCE SYSTEM. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INCLUDING ALL ASSOCIATED DEVICES AND MATERIALS TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM AT THE COMPLETION OF CONSTRUCTION. SHALL BE COMPATIBLE WITH EXISTING SURVEILLANCE SYSTEM.
6. PROVIDE BASIS OF DESIGN HOFFMAN NEMA 3R RATED ENCLOSURE FOR NETWORK SWITCH AND CONTROLLER MODULE. SEE DIAGRAM 1/TY-502. PROVIDE ALL ASSOCIATED CONNECTIONS FOR A COMPLETE AND WORKING SYSTEM. PROVIDE ACCESS-CONTROLLED ENCLOSURE FOR ASSOCIATED EQUIPMENT. ENCLOSURE SHALL BE SIZED TO ENSURE INSTALLATION OF ASSOCIATED TELECOM/SECURITY EQUIPMENT WITHIN ENCLOSURE.

Revisions:	Date:

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Drawing Title: BUILDING 4 MEZZANINE SECURITY NEW WORK PLAN	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: 4
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: TY-103
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: T.C.M.	

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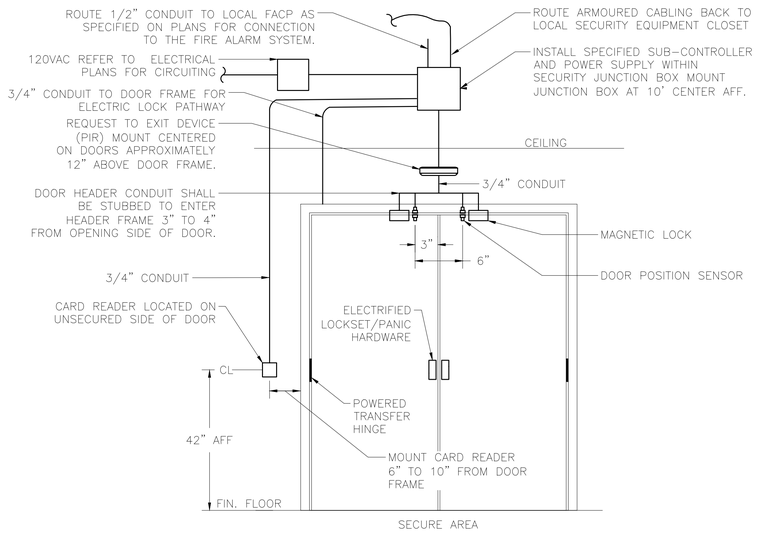
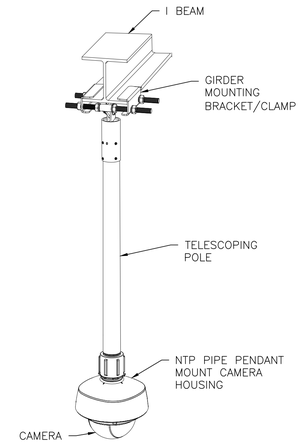


NOTES

1. DOOR DEVICE CONNECTION DETAILS ARE A SCHEMATIC REPRESENTATION OF ALL TYPICAL PACS DEVICES AT A DOOR OPENING. CONTRACTOR SHALL ONLY PROVIDE DEVICES AT EACH DOOR AS SCHEDULED IN ASSOCIATED NEW DEVICE SCHEDULE. SEE NEW WORK DRAWINGS FOR DOOR TAGS AND THEIR ASSOCIATED DESIGNATIONS ON NEW DEVICE SCHEDULES.
2. CONTRACTOR SHALL ENSURE THAT ALL SECURITY SYSTEM COMPONENTS ARE FULLY COORDINATED WITH REPLACEMENT DOORS TO CONFIRM COMPATIBILITY BETWEEN ACCESS CONTROL DEVICES, HARDWARE, ELECTRIFIED DOOR COMPONENTS, AND ASSOCIATED DOORWAY CONFIGURATIONS. ALL INSTALLATIONS SHALL BE VERIFIED TO SUPPORT PROPER FUNCTIONALITY, SYSTEM INTEGRITY, AND VA SECURITY REQUIREMENTS.
3. NOT ALL DEVICES SHOWN ARE USED.

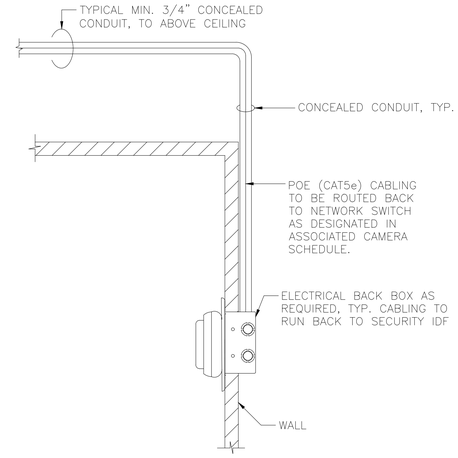
1 / TY-500 TYPE C DOOR TYPICAL DOOR DEVICE CONNECTION SCHEMATIC DETAIL – OUTSWING

SCALE: NOT TO SCALE



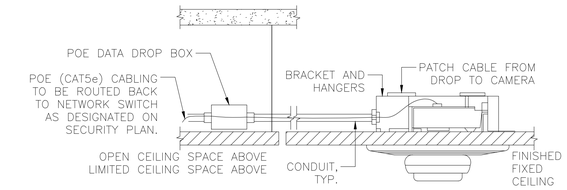
2 / TY-500 TYPICAL CEILING BEAM MOUNT CAMERA INSTALLATION AND CONNECTION DETAIL

SCALE: NOT TO SCALE



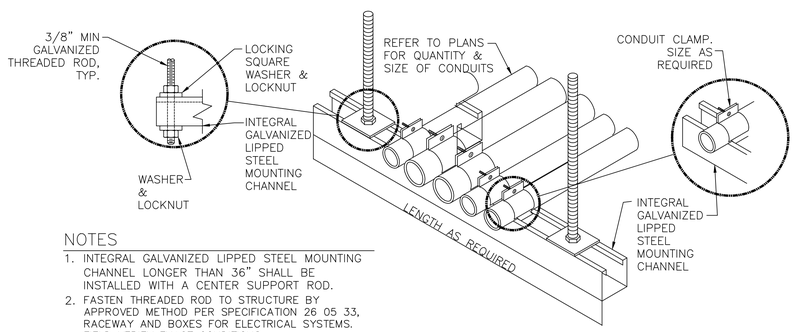
3 / TY-500 TYPICAL WALL MOUNT CAMERA INSTALLATION AND CONNECTION DETAIL

SCALE: NOT TO SCALE



4 / TY-500 INTERIOR/EXTERIOR FIXED CEILING MOUNTED CAMERA DEVICE

SCALE: NOT TO SCALE

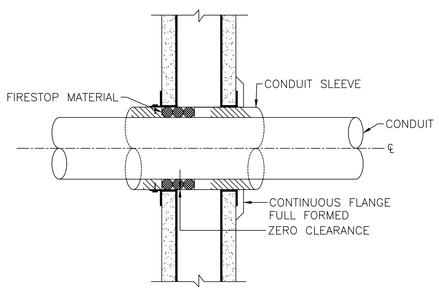


NOTES

1. INTEGRAL GALVANIZED LIPPED STEEL MOUNTING CHANNEL LONGER THAN 36" SHALL BE INSTALLED WITH A CENTER SUPPORT ROD.
2. FASTEN THREADED ROD TO STRUCTURE BY APPROVED METHOD PER SPECIFICATION 26 05 33, RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS. FIELD VERIFY EXACT CONDITIONS.

5 / TY-500 TYPICAL CONDUIT TRAPEZE MOUNTING DETAIL

SCALE: NOT TO SCALE

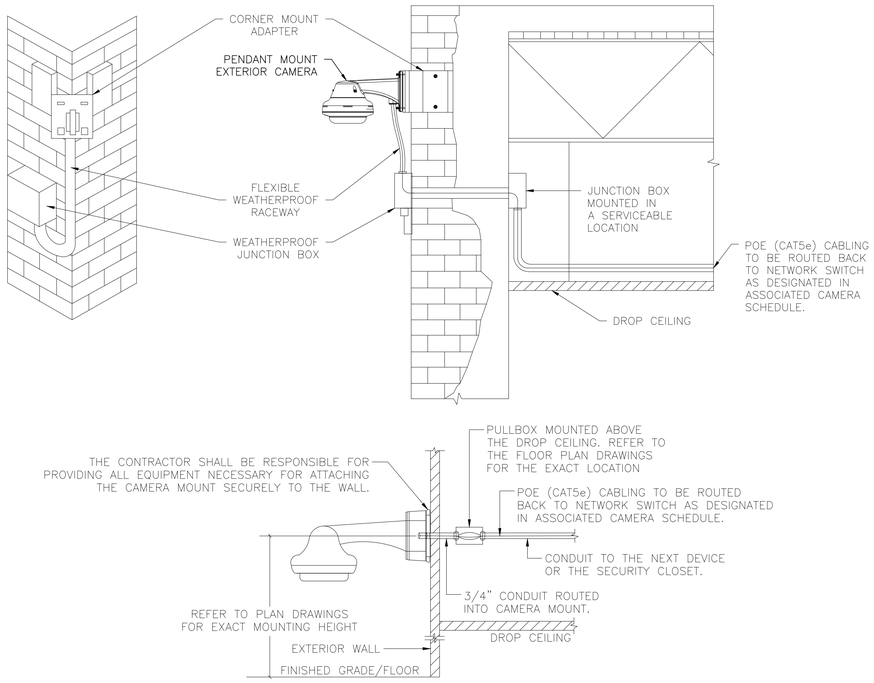


NOTE

1. SEE SPECIFICATIONS 07 84 00 AND 07 92 00 FOR ADDITIONAL INFORMATION FOR ASSOCIATED FIRESTOPPING MATERIAL AND JOINT SEALANT.

6 / TY-500 PIPE SLEEVE THROUGH WALL DETAIL

SCALE: NOT TO SCALE



7 / TY-500 EXTERIOR WALL MOUNTED CAMERA DEVICE DETAILS

SCALE: NOT TO SCALE

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Drawing Title: SECURITY DETAILS 1	Phase: BID DOCUMENTS	Project Title: REPLACE MAIN ELECTRICAL DISTRIBUTION	Project Number: 596A4-24-101
			Building Number: N/A
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number: TY-500
		Issue Date: 10/29/2025 · Checked: D.L.E. · Drawn: K.E.B.	

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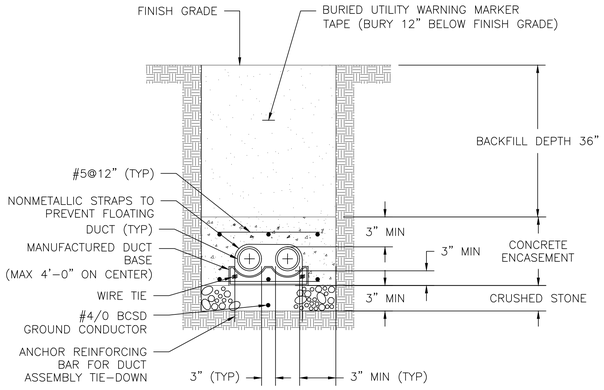
NOTE

1. THE DISTANCE BETWEEN ADJACENT DUCTS SHALL BE 3" IN BOTH ROWS AND COLUMNS. COORDINATE SIZE, QUANTITY, AND CONFIGURATION OF DUCTS WITH DUCTBANK ROUTING PLAN ON SHEET TY-100.

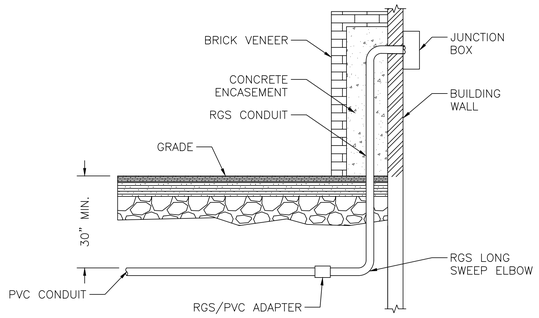


1 TY-501 TYPICAL REINFORCED 2 DUCT BANK

SCALE:NOT TO SCALE

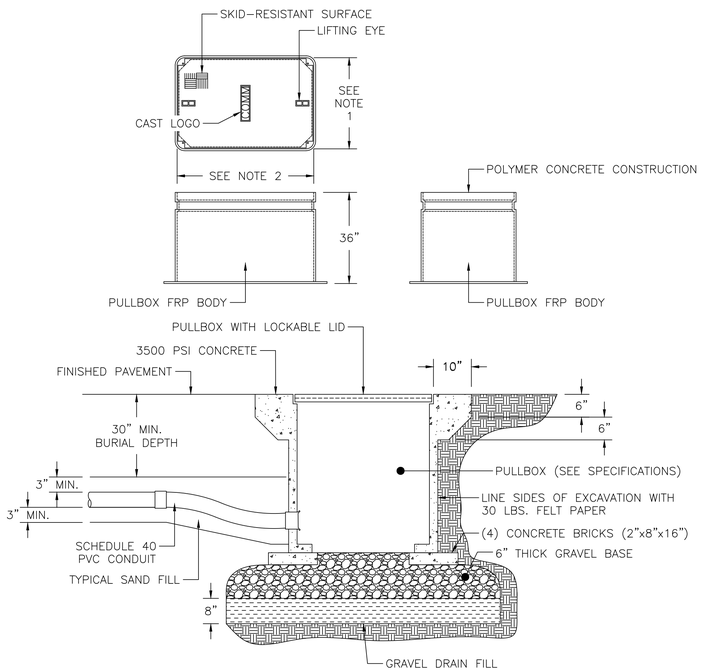
NOTE

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING ALL ASSOCIATED MATERIALS AND FINISHES.



2 TY-501 UNDERGROUND CONDUIT WITH SWEEP AND BRICK VENEER DETAIL

SCALE:NOT TO SCALE

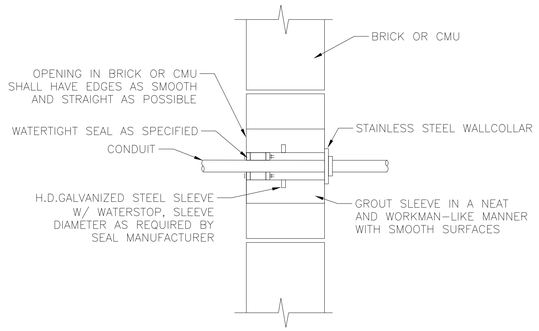


3 TY-501 TYPICAL IN-GROUND PULLBOX CABLE – SIDE ENTRY/EXIT

SCALE:NOT TO SCALE

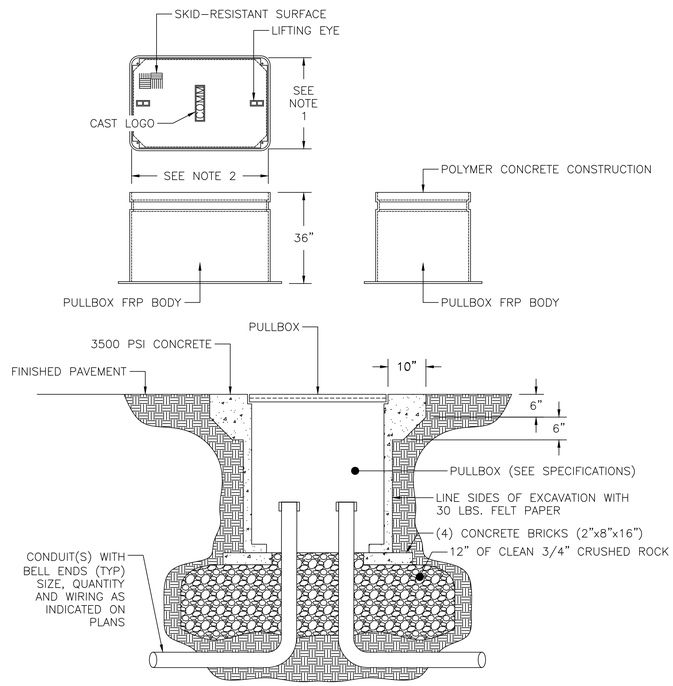
NOTES

1. PROVIDE DIVIDER IN PULL BOXES DIVIDER SHALL SEPARATE ALL POWER AND COMMUNICATION WIRING.
2. PULLBOXES SHALL BE UL LISTED FOR BOTH POWER AND COMMUNICATION WIRING. PROVIDE SHOP DRAWINGS.
3. PULLBOX COVER SHALL BE LOCKABLE.



4 TY-501 CONDUIT PENETRATION

SCALE:NOT TO SCALE



5 TY-501 TYPICAL IN-GROUND PULLBOX CABLE – BOTTOM ENTRY/EXIT

SCALE:NOT TO SCALE

NOTES

1. PROVIDE DIVIDER IN PULL BOXES DIVIDER SHALL SEPARATE ALL POWER AND COMMUNICATION WIRING.
2. PULLBOXES SHALL BE UL LISTED FOR BOTH POWER AND COMMUNICATION WIRING. PROVIDE SHOP DRAWINGS.
3. PULLBOX COVER SHALL BE LOCKABLE.

Revisions:	Date:

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Drawing Title	Phase	Project Title	Project Number
SECURITY DETAILS 2	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
Approved: Project Director			Building Number
LEXINGTON VA HEALTH CARE SYSTEM			N/A
		Location 1101 VETERANS DRIVE LEXINGTON, KY 40502	Drawing Number
		Issue Date 10/29/2025 / Checked D.L.E. / Drawn T.C.M.	TY-501

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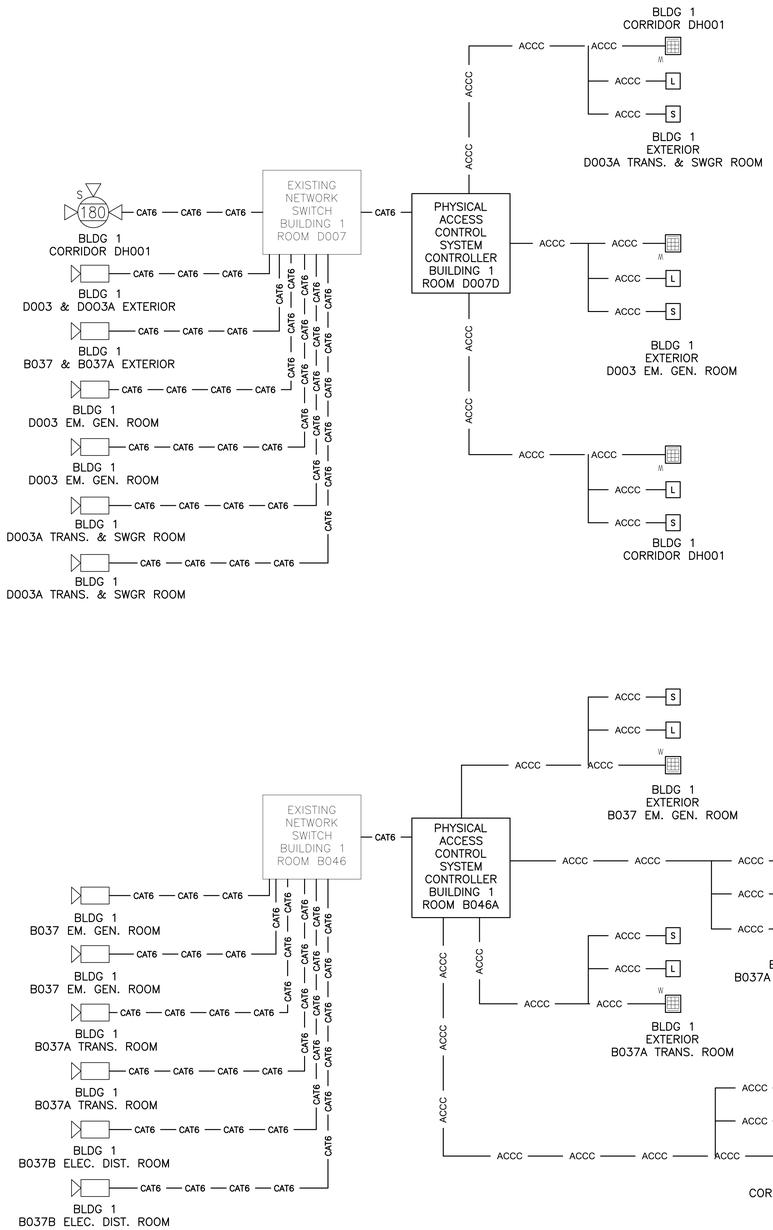
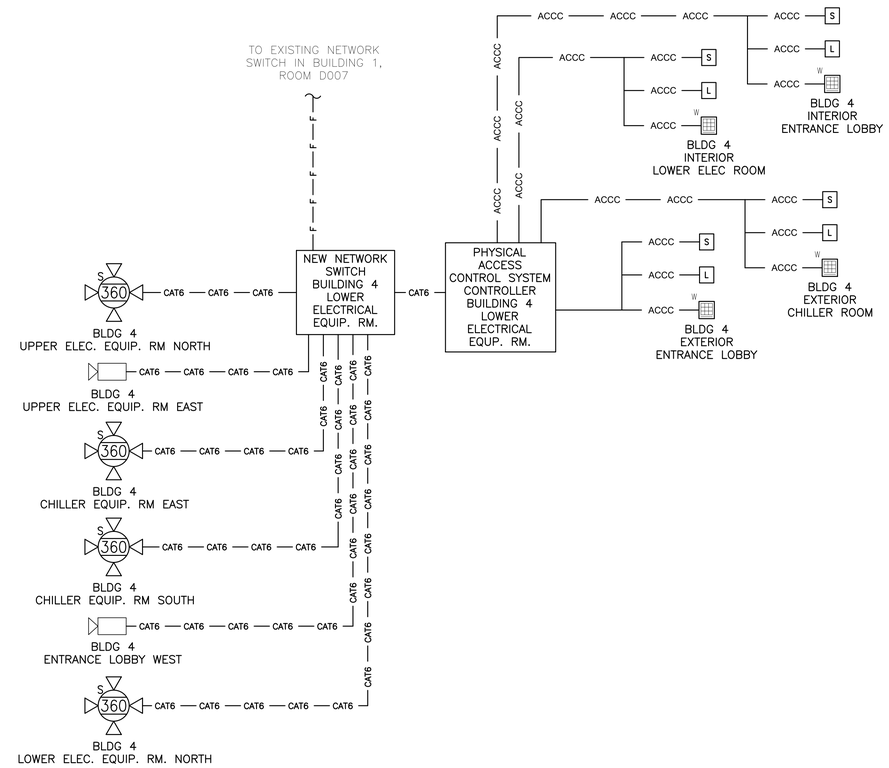
LINETYPE LEGEND	
— CAT6 —	CAT6A UTP CABLE
— ACCC —	ACCESS CONTROL COMPOSITE CABLE





GENERAL NOTE

1. EXISTING PHYSICAL ACCESS CONTROL SYSTEM CAPACITY SHALL BE VERIFIED BY SECURITY CONTRACTOR. SECURITY CONTRACTOR SHALL PROVIDE SHOP DRAWINGS SHOWING THE NEW DEVICE CONNECTIONS TO THE EXISTING SYSTEM AND LOCATIONS OF ALL HEAD END EQUIPMENT.
2. CONTRACTOR SHALL COORDINATE ALL POINTS OF CONNECTION WITH VA COR AND VA POLICE. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM AT THE COMPLETION OF CONSTRUCTION. PROVIDE SHOP DRAWINGS SHOWING ALL ASSOCIATED DEVICES AND MATERIALS INCLUDING BUT NOT LIMITED TO A SCHEMATIC WIRING DIAGRAM.

NOTES

1. ALL CATEGORY 6 CABLE IS REQUIRED TO BE TERMINATED ON INSULATION DISPLACEMENT CONNECTOR STYLE JACKS/PATCH PANELS. FIELD CRIMPING OF RJ-45 CONNECTORS IS NOT PERMITTED.
2. CONTRACTOR SHALL PROVIDE ALL CONNECTIONS, MATERIALS AND PROGRAMMING TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM, THIS INCLUDES BUT IS NOT LIMITED TO ALL DEVICES AND ASSOCIATED 120V POWER REQUIREMENTS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ASSOCAITED DEVICES.

1 / TY-502 SECURITY CAMERA ONE-LINE WIRING DIAGRAM – BUILDINGS 1 AND 4

SCALE:NOT TO SCALE

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Drawing Title	Phase	Project Title	Project Number
SECURITY ONE-LINE DIAGRAMS	BID DOCUMENTS	REPLACE MAIN ELECTRICAL DISTRIBUTION	596A4-24-101
Approved: Project Director: LEXINGTON VA HEALTH CARE SYSTEM		Location: 1101 VETERANS DRIVE LEXINGTON, KY 40502	Building Number: 1&4
		Issue Date: 10/29/2025 / Checked: D.L.E. / Drawn: T.C.M.	Drawing Number: TY-502

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