

CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY

MAYOR – JAMES F. KENNEY

MANAGING DIRECTOR – TUMAR ALEXANDER

COMMISSIONER OF PUBLIC PROPERTY – BRIDGET COLLINS-GREENWALD

COMMISSIONER OF PHILADELPHIA FIRE DEPARTMENT – ADAM K. THIEL

ENGINES 43, 54, 61, 64 (MULTIPLE LOCATIONS) STRUCTURAL IMPROVEMENTS PHILADELPHIA, PA 13-21-4726-04

ARCHITECT

SEILER & DRURY ARCHITECTURE
420 DEKALB STREET
NORRISTOWN, PA 19401
PHONE NO. 610-272-4809

MEP ENGINEER

HUTEC ENGINEERING INC
304 MASTER ST, 1ST FLOOR
PHILADELPHIA, PA 19122
PHONE NO. 267-800-3540

STRUCTURAL ENGINEER

WZG STRUCTURAL CONSULTING ENGINEERS INC.
1137 N. GRAVEL PIKE
ZIEGLERVILLE, PA 19492
PHONE NO. 610-831-0556

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
APC	ACOUSTICAL PANEL CEILING
ALUM	ALUMINUM
ATL	ALTERNATE
ANOD	ANODIZED
BLDG	BUILDING
B.O.D.	BASIS OF DESIGN
BOT	BOTTOM
BYDN	BEYOND
CJ	CONTROL JOINT
CLNG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
DEMO	DEMOLISH
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DPP	DEPARTMENT OF PUBLIC PROPERTY
DWG	DRAWING
(E)	EXISTING
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EX	EXISTING
EXIST	EXISTING
EXT	EXTERIOR
FD	FLOOR DRAIN
FIN	FINISH
FLR	FLOOR
FND	FOUNDATION
FRT	FIRE RESISTANT TREATED
GA	GAUGE
GALV	GALVANIZED
CWB	GYPSPUM WALL BOARD
HDWR	HARDWARE
HM	HOLLOW METAL
HVAC	HEATING/VENTILATION/AIR CONDITIONING
MAT	MATERIAL
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MIN	MINIMUM
MO	MASONRY OPENING
MTL	METAL
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
PFD	PHILADELPHIA FIRE DEPARTMENT

PL	PLASTIC LAMINATE
PLYD	PLYWOOD
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAINT OR PAINTED
RCP	REFLECTED CEILING PLAN
REINF	REINFORCEMENT
REQD	REQUIRED
REV	REVISION
RF	RESINOUS FLOORING
RM	ROOM
RO	ROUGH OPENING
SCHED	SCHEDULE
SIM	SIMILAR
SGT	STRUCTURAL GLAZED TILE
SQ	SQUARE
SS	SOLID SURFACING
STL	STEEL
TO	TOP OF
TOB	TOP OF BLOCK
TYP	TYPICAL
UC	UNDER-COUNTER
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VIF	VERIFY IN FIELD
W/	WITH
WD	WOOD

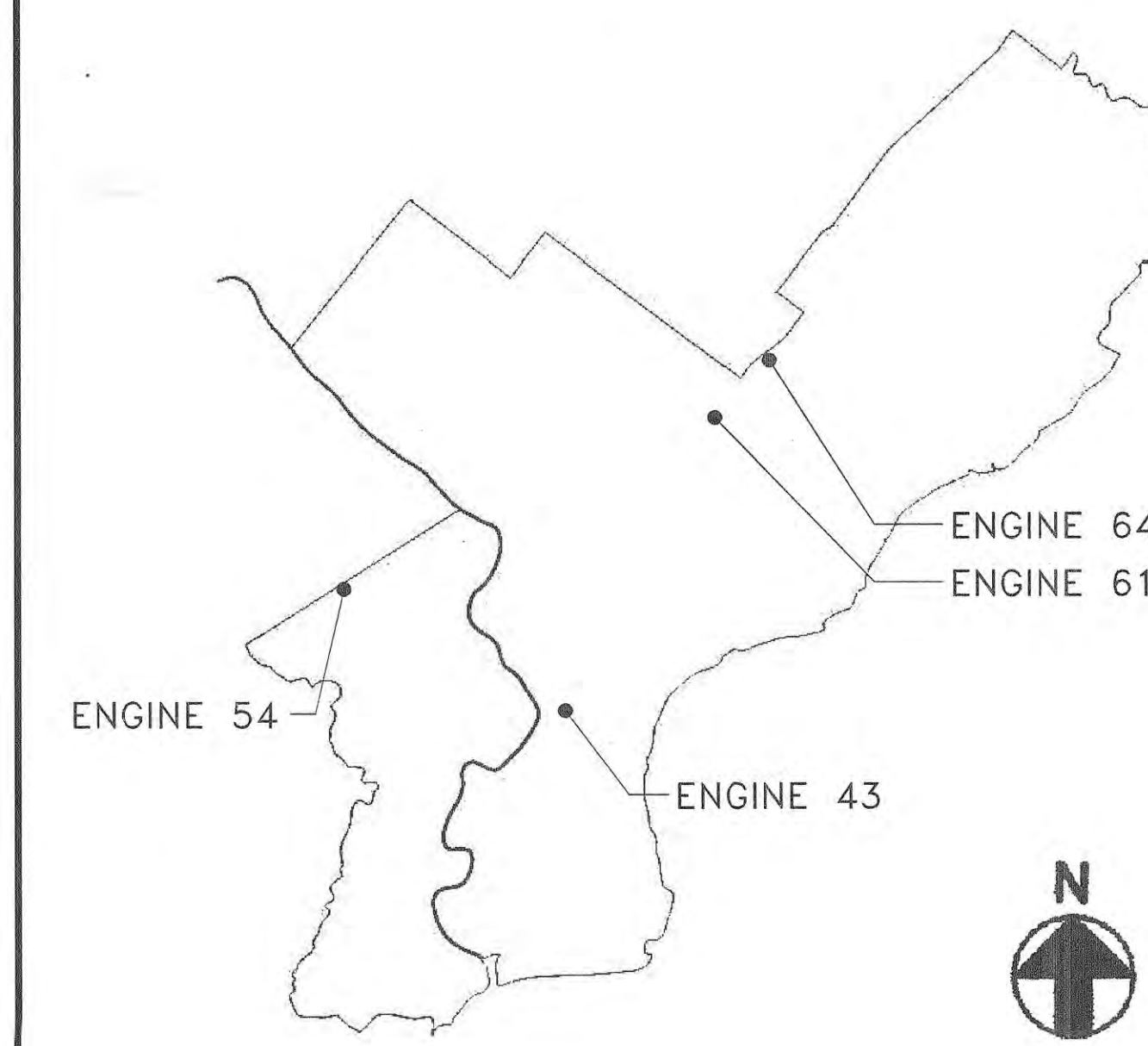
SYMBOLS

	SECTION TAG
	DETAIL REFERENCE NUMBER
	INTERIOR ELEVATION TAG
	DETAIL REFERENCE NUMBER
	DOOR TAG - SEE DOOR SCHED
	ROOM NAME
	ROOM TAG
	NEW DOOR
	EXISTING DOOR
	ITEMS TO BE DEMOLISHED
	EXISTING CONSTRUCTION
	NEW CONSTRUCTION

DRAWING LIST

CS-1	COVERSHEET
43-A1.0	ENGINE 43 PROPOSED BASEMENT PLAN
43-A1.1	ENGINE 43 PROPOSED FIRST FLOOR PLAN & INTERIOR DETAILS
54-A1.0	ENGINE 54 PROPOSED BASEMENT & FIRST FLOOR PLANS
54-A1.1	ENGINE 54 PROPOSED SECOND FLOOR PLAN & INTERIOR DETAILS
61-A1.0	ENGINE 61 PROPOSED BASEMENT & FIRST FLOOR PLANS & INTERIOR DETAILS
64-A1.0	ENGINE 64 PROPOSED BASEMENT & FIRST FLOOR PLANS
64-A1.1	ENGINE 64 INTERIOR DETAILS
S0.1	STRUCTURAL GENERAL NOTES
43-S1.0	ENGINE 43 STRUCTURAL PLANS
54-S1.0	ENGINE 54 STRUCTURAL PLANS
61-S1.0	ENGINE 61 STRUCTURAL PLANS
64-S1.0	ENGINE 64 STRUCTURAL PLANS
S2.0	DETAILS & SECTIONS
MCS	MECHANICAL COVER SHEET
54-M-1	ENGINE 54 MECHANICAL PLAN
PCS	PLUMBING COVER SHEET
43-PD-1	ENGINE 43 PLUMBING SELECTIVE DEMO PLAN
43-P-1	ENGINE 43 BASEMENT PLUMBING PLAN
43-P-2	ENGINE 43 FIRST FLOOR PLUMBING PLAN
54-P-1	ENGINE 54 PLUMBING PLANS
64-P-1	ENGINE 64 PLUMBING PLANS
ECS-1	ELECTRICAL COVER SHEET (1/2)
ECS-2	ELECTRICAL COVER SHEET (2/2)
43-ED-1	ENGINE 43 ELECTRICAL SELECTIVE DEMO PLAN
43-E-1	ENGINE 43 BASEMENT ELECTRICAL PLAN
54-ED-1	ENGINE 54 ELECTRICAL SELECTIVE DEMO PLAN
54-E-1	ENGINE 54 BASEMENT & FIRST FLOOR ELECTRICAL PLAN
54-E-2	ENGINE 54 SECOND FLOOR ELECTRICAL PLAN, SINGLE LINE DIAGRAM, & LOAD CALCULATIONS
61-ED-1	ENGINE 61 ELECTRICAL SELECTIVE DEMO PLAN
61-E-1	ENGINE 61 BASEMENT ELECTRICAL PLAN
64-ED-1	ENGINE 64 ELECTRICAL SELECTIVE DEMO PLAN
64-E-1	ENGINE 64 BASEMENT ELECTRICAL PLAN

LOCATION PLAN



ENGINE 43
2108-14 MARKET ST.
PHILADELPHIA, PA 19103

ENGINE 54
1913 N 63RD ST.
PHILADELPHIA, PA 19151

ENGINE 61
5334 RISING SUN AVE.
PHILADELPHIA, PA 19120

ENGINE 64
6100 RISING SUN AVE.
PHILADELPHIA, PA 19111

PROJECT APPROVED

COMMISSIONER/DEPARTMENT OF PUBLIC PROPERTY

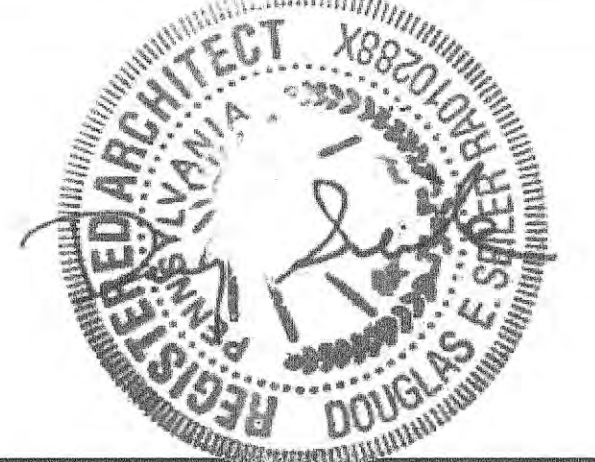
DEPUTY COMMISSIONER/DEPARTMENT OF PUBLIC PROPERTY

PROJECT DIRECTOR/PPP-CAPITAL PROJECTS DIVISION

ART COMMISSION

HISTORICAL COMMISSION

SEALS



CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
1400 JFK BLVD
7TH FLOOR CITY HALL
PHILADELPHIA PENNSYLVANIA

PROJECT NO.	13-21-4726-04	DRAWING NO.	CS-1
DATE	DECEMBER 9, 2021	SCALE	N/A
DRAWN BY	AD	CHECKED BY	KK
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.			

GENERAL NOTES

SEE S-DWGS FOR STRUCTURAL REPAIR INFORMATION
 SEE MEP DWGS FOR MEP WORK SCOPE
 COORDINATE TEMPORARY REMOVAL OF STORAGE ITEMS W/ DPP. DPP TO COORDINATE W/ PFD. CONTRACTOR TO PROVIDE 2 WEEKS NOTICE.

SYMBOLS LEGEND :

TEMPORARY DUST PROTECTION

CODE INFORMATION :

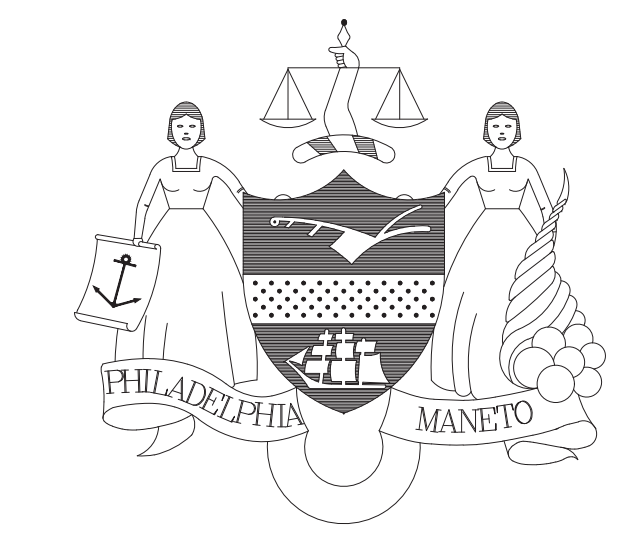
PHILADELPHIA CODES ENFORCED:
 2018 ICC CODES WITH LOCAL AMENDMENTS.
 2018 INTERNATIONAL BUILDING CODE
 2009 ICC A117.1
 2018 INTERNATIONAL EXISTING BUILDING CODE
 2018 INTERNATIONAL ENERGY CONSERVATION CODE
 PHILADELPHIA ZONING CODE
 2004 PHILADELPHIA PLUMBING CODE FOURTH PRINTING
 PHILADELPHIA FIRE CODE
 PHILADELPHIA PROPERTY MANAGEMENT CODE

BUILDING CODE-RELATED PROJECT INFORMATION :

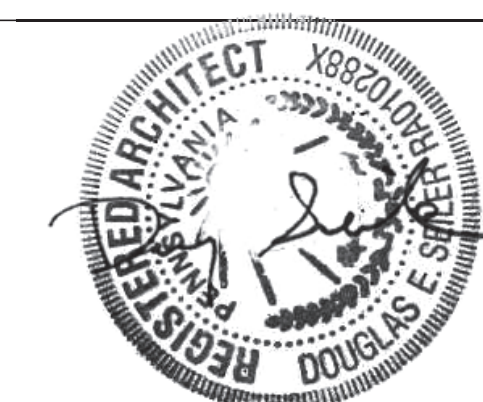
BUILDING FOOTPRINT: 6,358 SQ. FT.
 RENOVATION AREA: ±5,225 SF
 NUMBER OF STORIES: 2 STORIES W/ BASEMENT
 CONSTRUCTION TYPE: IIB
 EXISTING CONSTRUCTION:
 FLOORS: CONCRETE
 WALLS: MASONRY
 COLUMNS: STEEL & MASONRY
 USE GROUP: MIXED

REVISIONS

ISSUE	DATE	REVISIONS



PROJECT COORDINATOR: FREDDA LIPPES



SEILER + DRURY
 ARCHITECTURE
 420 DEKALB STREET NORRISTOWN PA 19401
 Tel 610.272.4809 www.sdarc.com

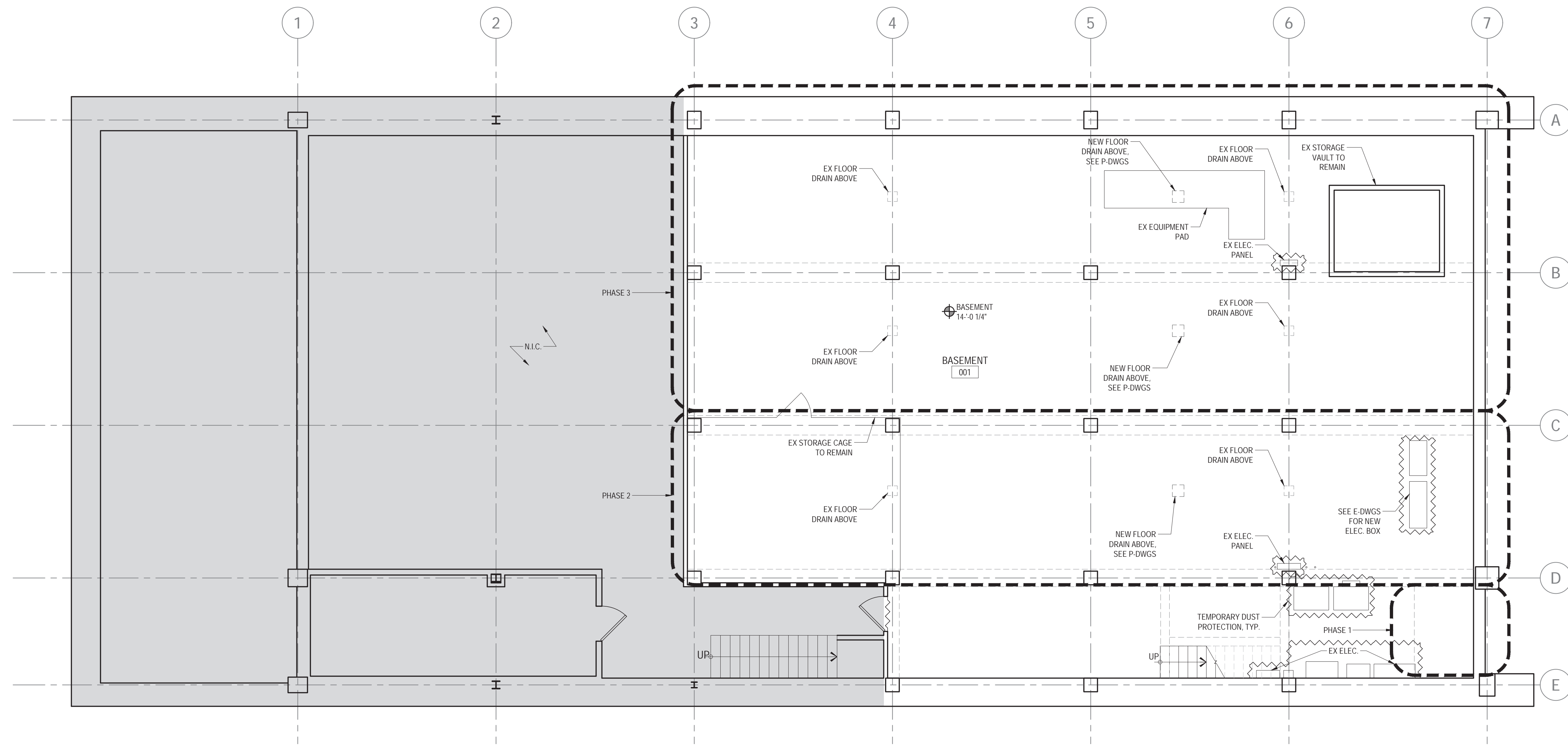
CITY OF PHILADELPHIA
 DEPARTMENT OF PUBLIC PROPERTY
 CAPITAL PROJECTS DIVISION
 1400 JFK BLVD 7TH FLR CITY HALL
 PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
 ENGINES 43, 54, 61, 64
 STRUCTURAL IMPROVEMENTS

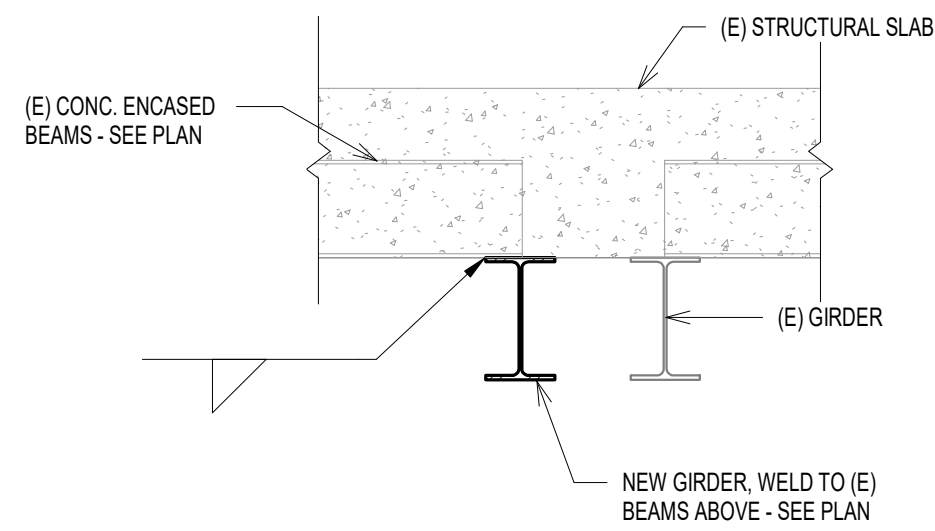
DRAWING TITLE
**ENGINE 43 - PROPOSED
 BASEMENT PLAN**

PROJECT NO. 13-21-4726-04	DRAWING NO. 43-A1.0
DATE DECEMBER 9, 2021	
SCALE AS INDICATED	
DRAWN BY AD	
CHECKED BY KK	

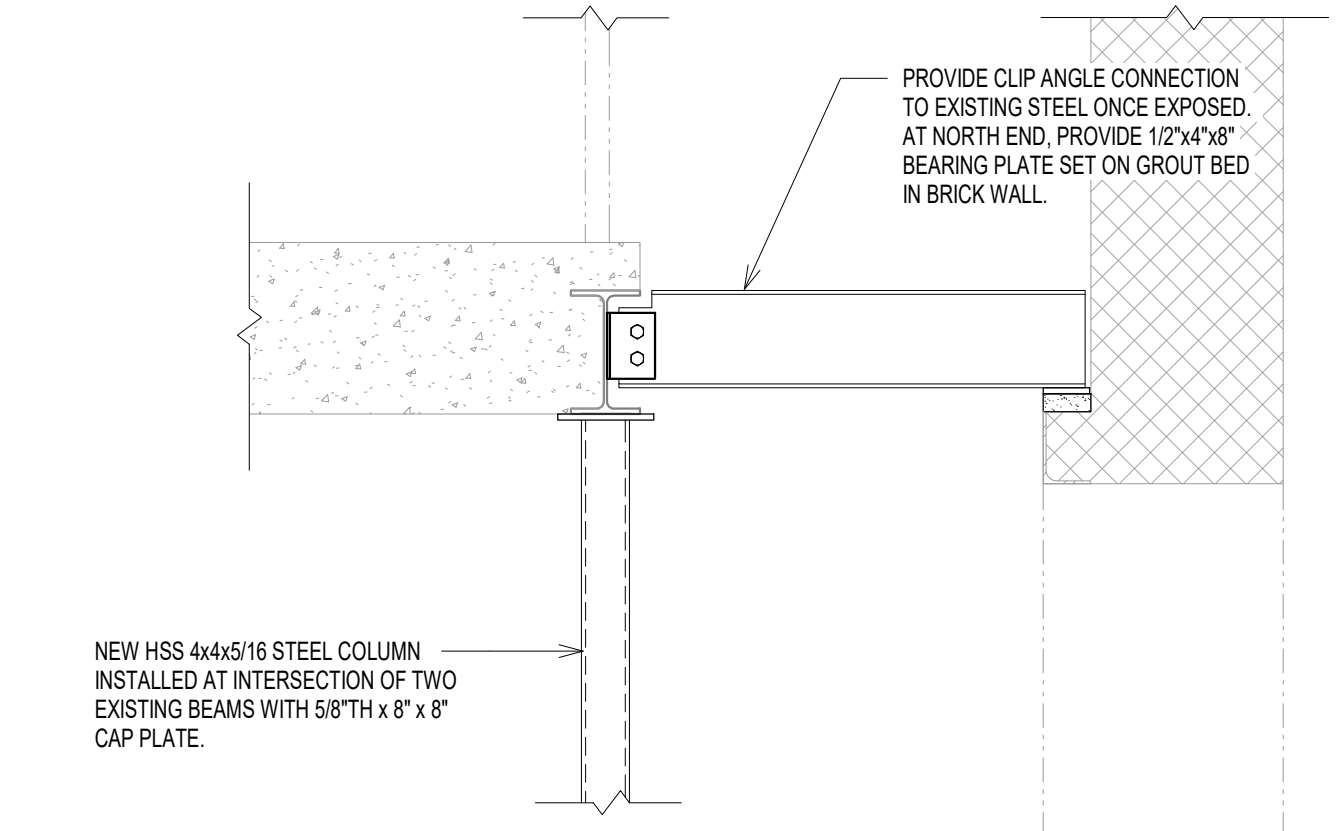
NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



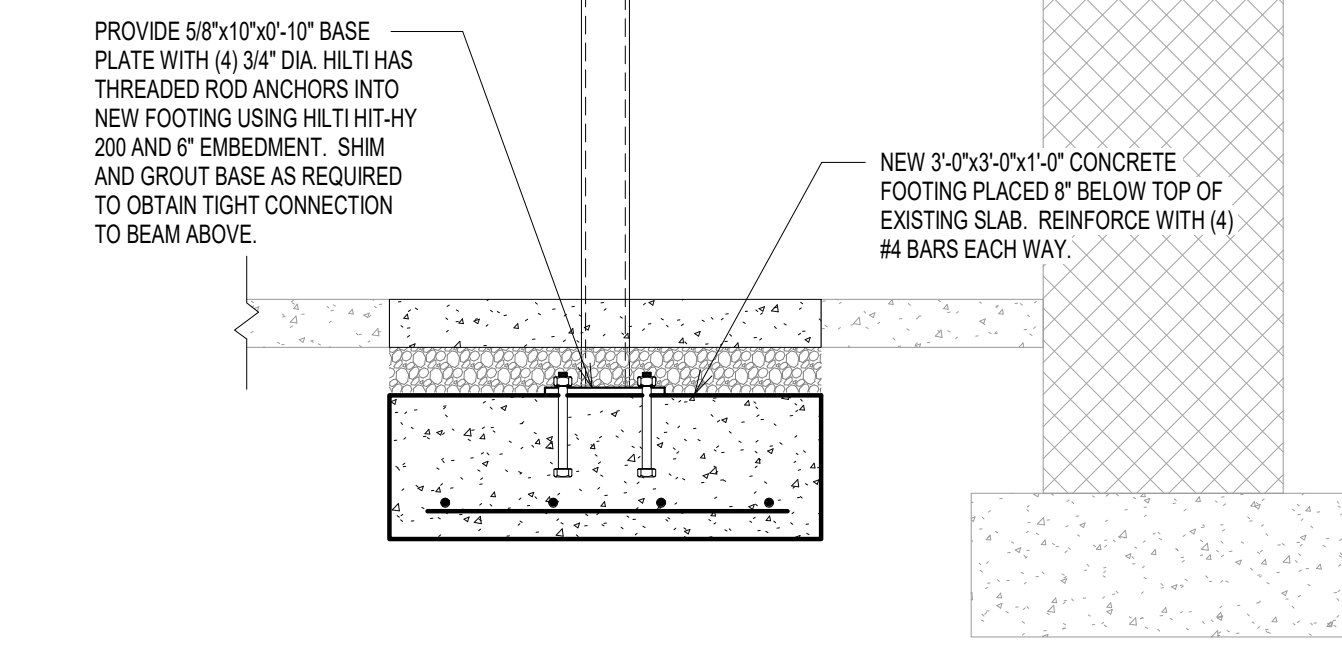
1 PROPOSED BASEMENT PLAN
 43-A1.0 SCALE: 3/16"=1'-0"



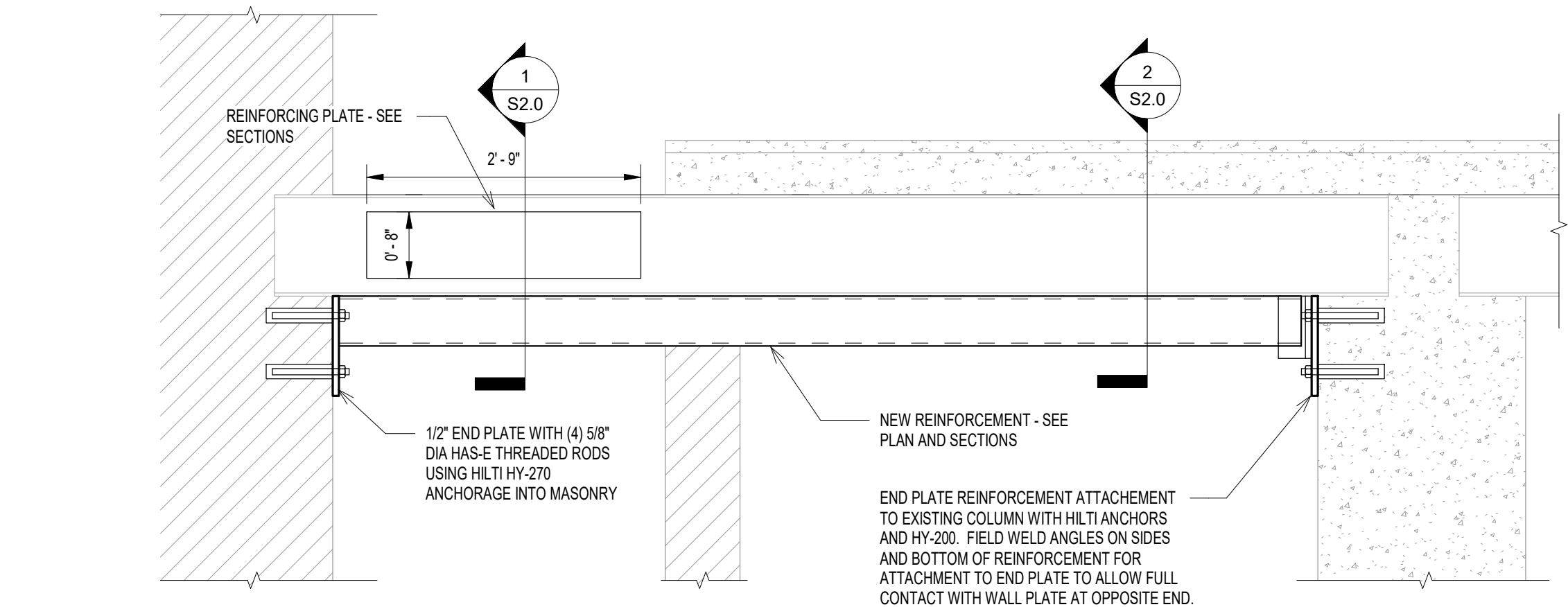
8 SECTION (54)
S2.0 3/4" = 1'-0"



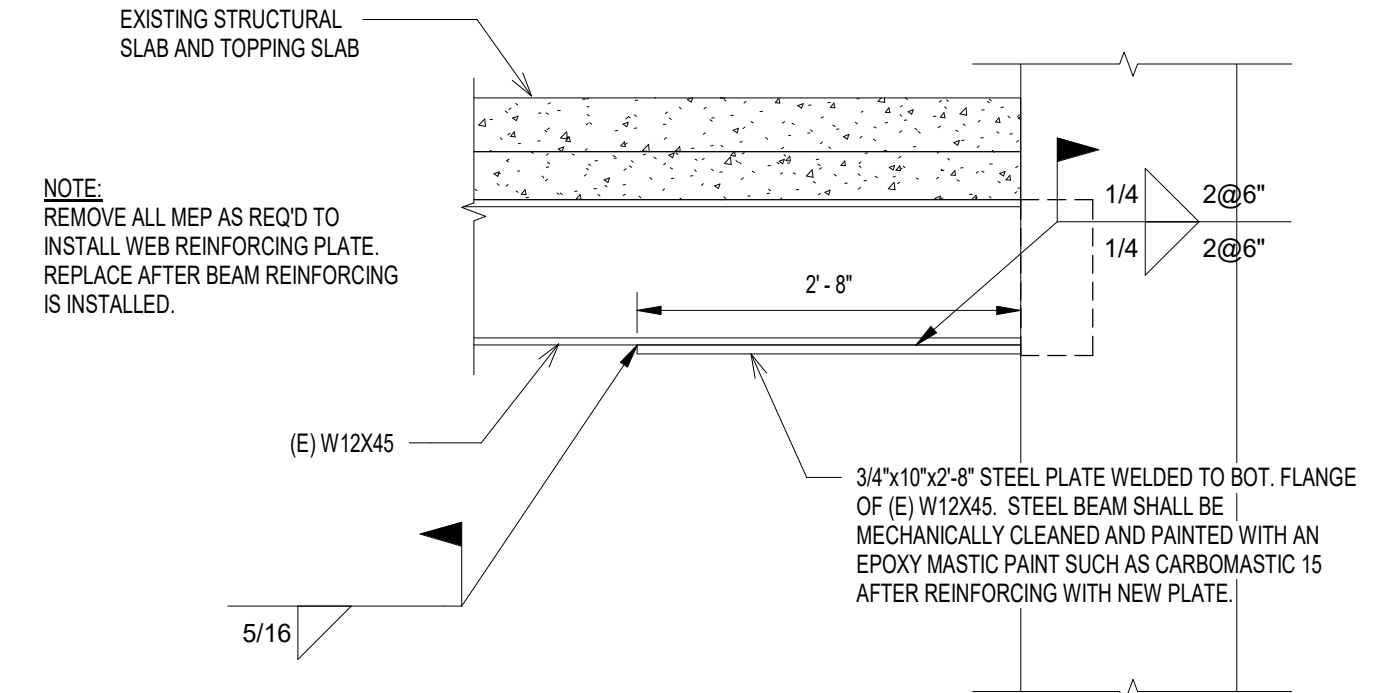
6 SECTION (43)
S2.0 3/4" = 1'-0"



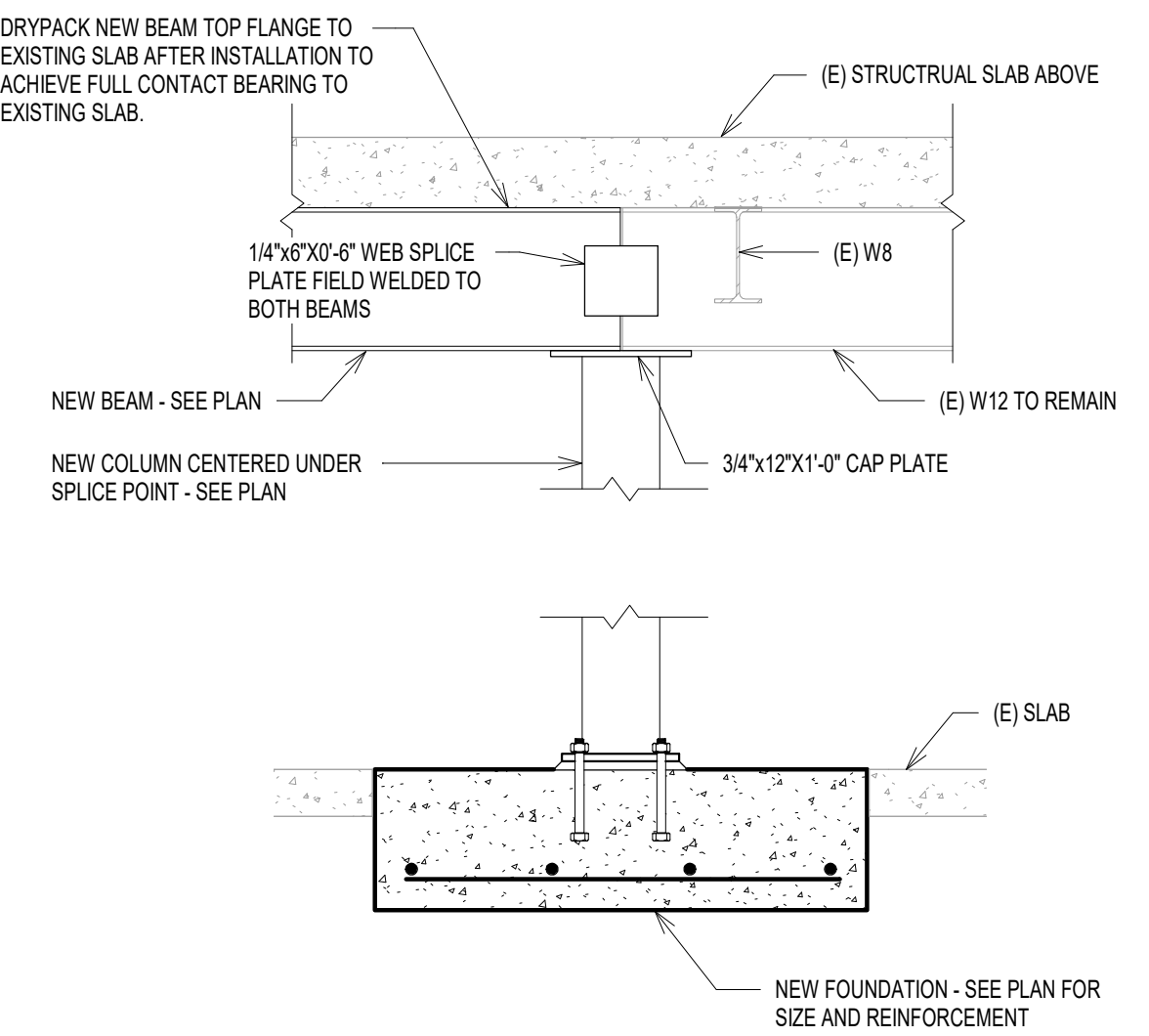
7 SECTION (54)
S2.0 3/4" = 1'-0"



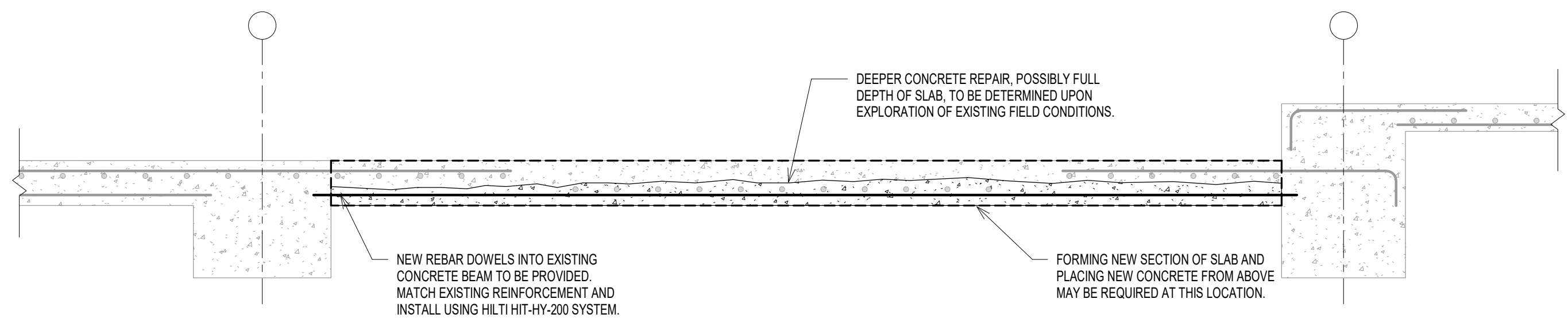
3 SECTION (61)
S2.0 3/4" = 1'-0"



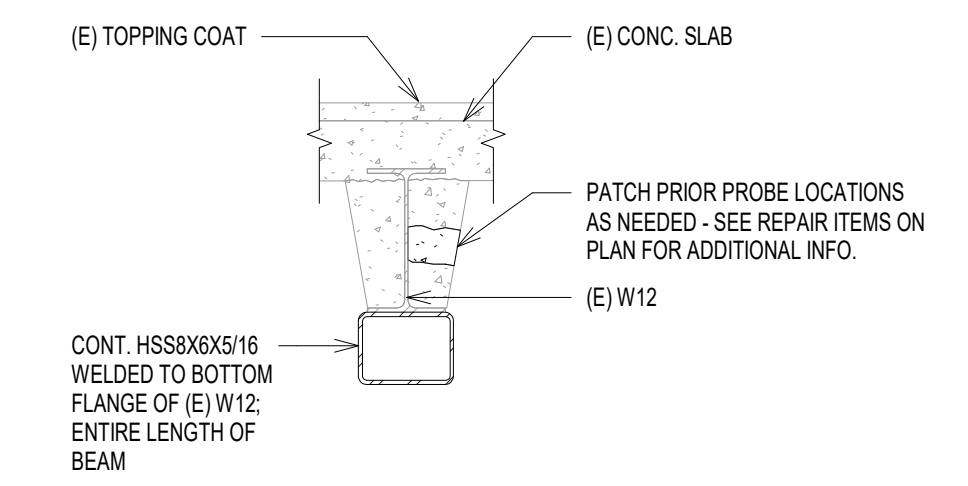
12 TYP DETAIL FOR BEAM REINFORCEMENT (64)
S2.0 3/4" = 1'-0"



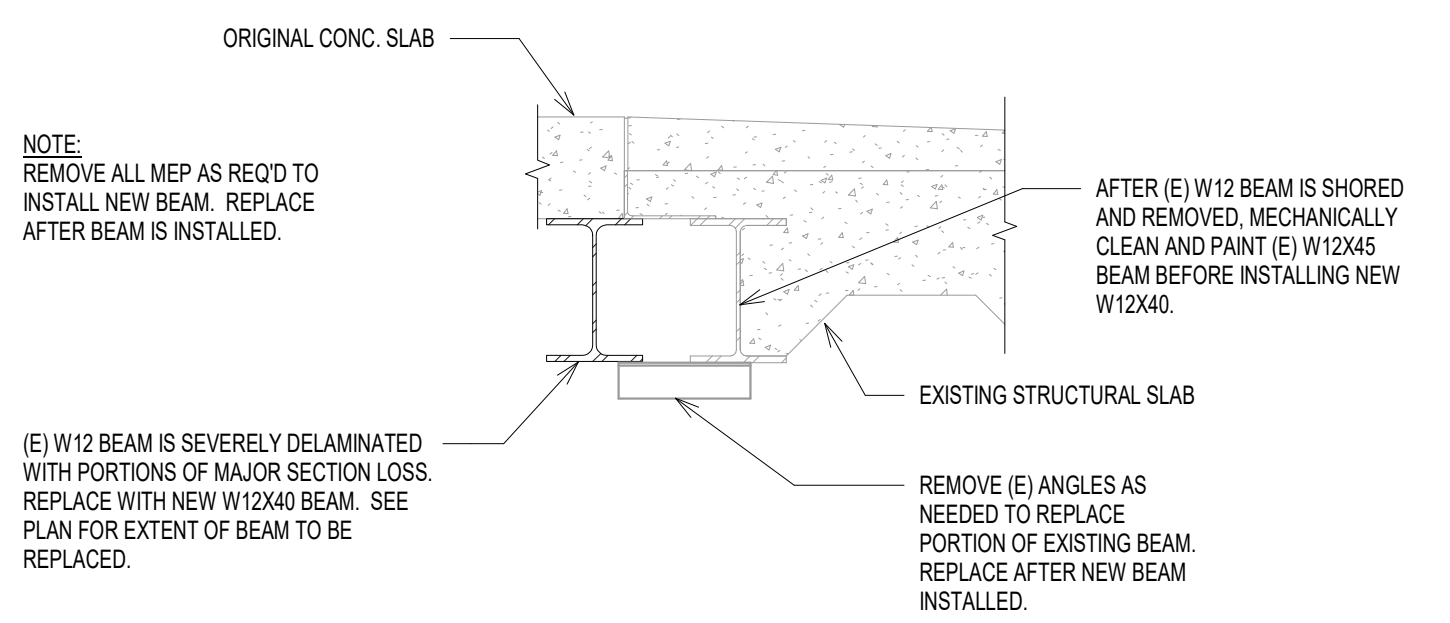
10 SECTION (64)
S2.0 3/4" = 1'-0"



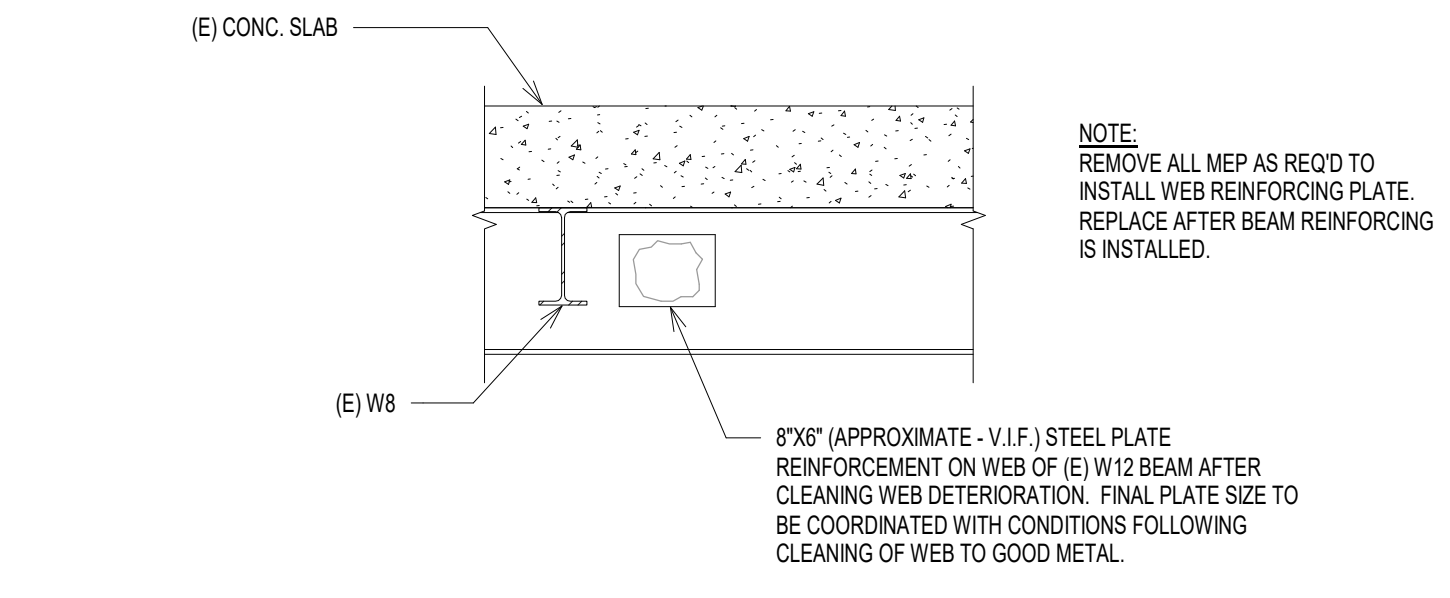
5 TYP DETAIL FOR CONCRETE FLOOR REPAIR (43)
S2.0 3/4" = 1'-0"



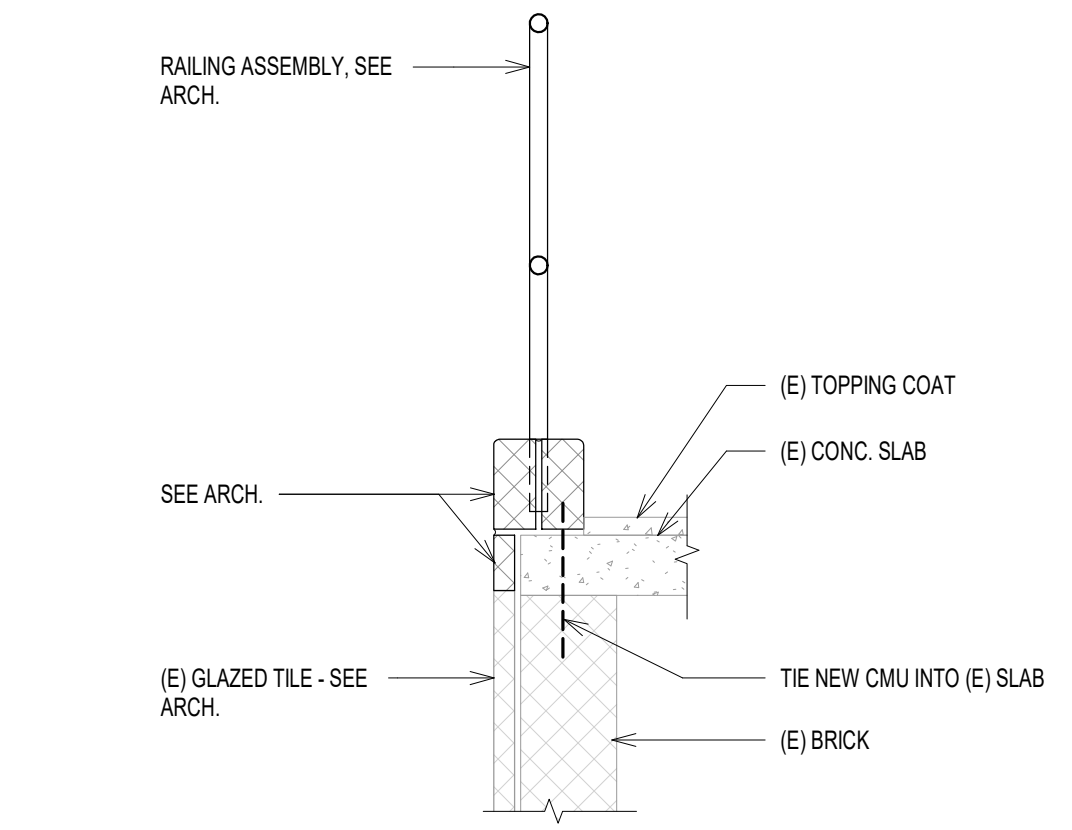
2 TYP DETAIL FOR BEAM REINFORCEMENT (61)
S2.0 3/4" = 1'-0"



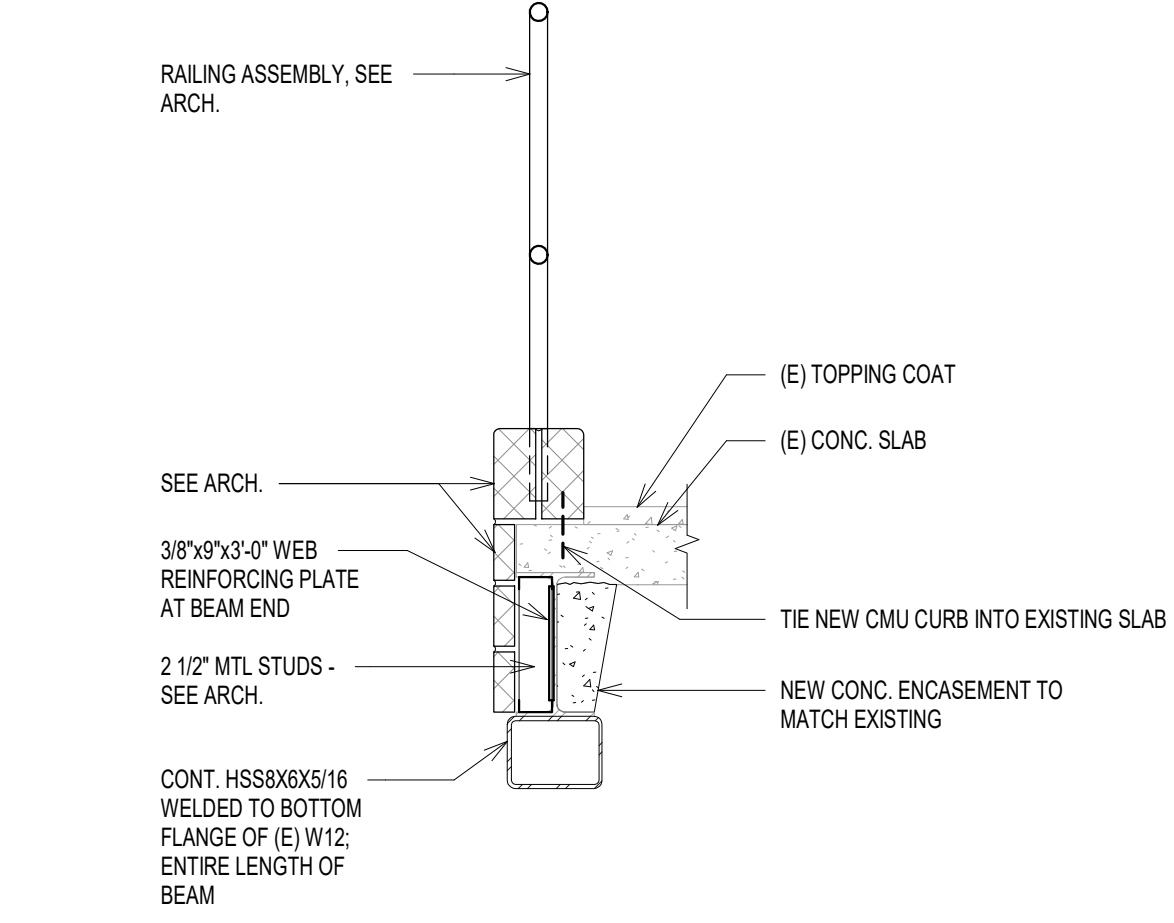
11 BEAM REPLACEMENT DETAIL (64)
S2.0 3/4" = 1'-0"



9 TYP DETAIL FOR BEAM REINFORCEMENT (64)
S2.0 3/4" = 1'-0"

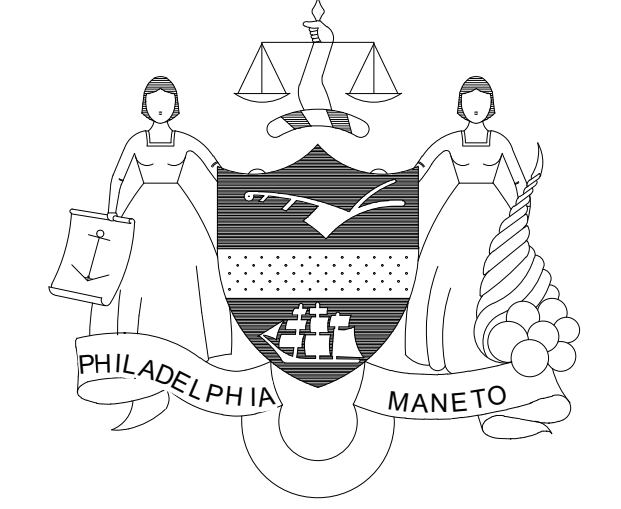


4 RAILING SECTION (61)
S2.0 3/4" = 1'-0"



1 TYP DETAIL FOR BEAM REINFORCEMENT (61)
S2.0 3/4" = 1'-0"

REVISIONS		
ISSUE	DATE	REVISIONS



PROJECT COORDINATOR: FREDDA LIPPES



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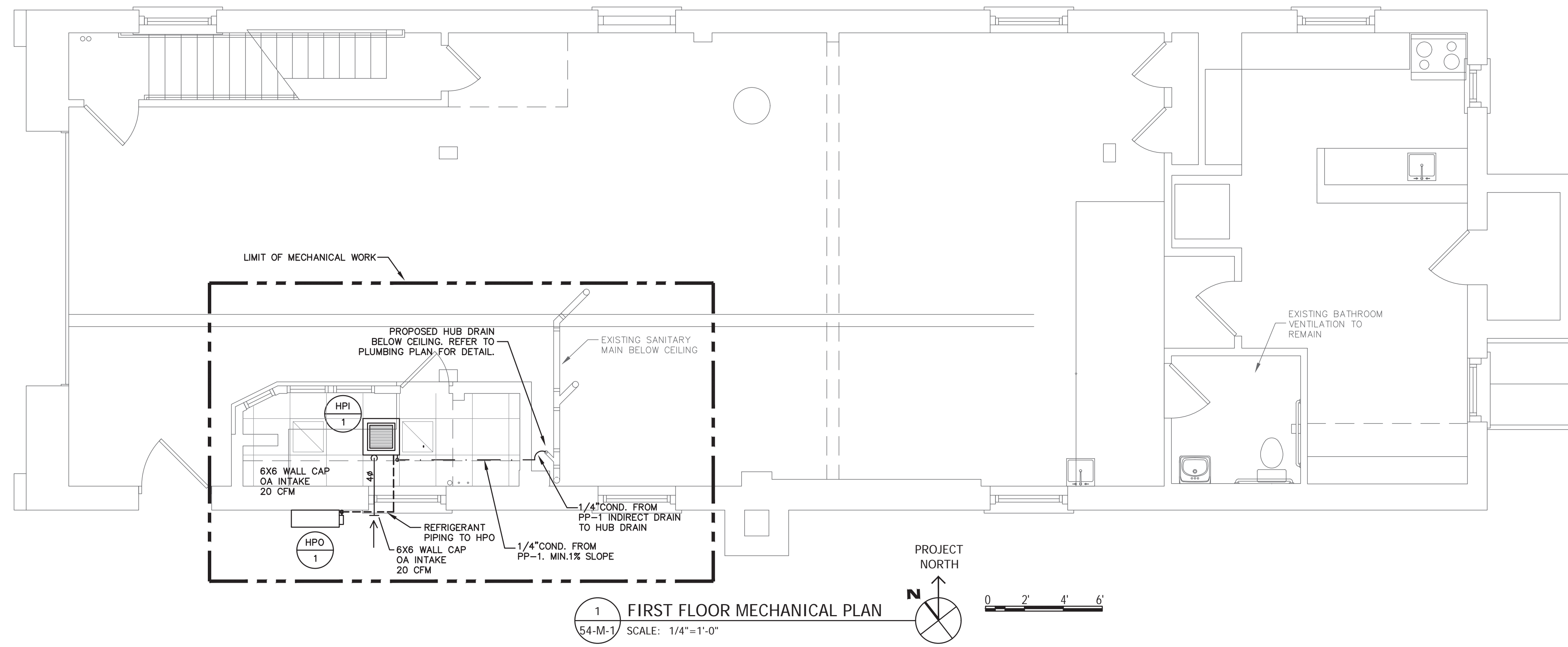
CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
CAPITAL PROJECTS DIVISION
1400 JFK BLVD 7TH FLR CITY HALL
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
ENGINE 43, 54, 61, 64
STRUCTURAL IMPROVEMENT

DETAILS AND SECTIONS

PROJECT NO. 13-21-4726-04	DRAWING NO. S2.0
DATE DECEMBER 9, 2021	SCALE AS INDICATED
DRAWN BY C.J.W.	CHECKED BY RPS

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



1 FIRST FLOOR MECHANICAL PLAN
 54-M-1 SCALE: 1/4"=1'-0"

REVISIONS		
ISSUE	DATE	REVISIONS




PROJECT COORDINATOR: FREDDA LIPPES



SEILER + DRURY
 ARCHITECTURE

420 DEKALB STREET NORRISTOWN PA 19401
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MEP CONSULTANT:
 HUTECH ENGINEERING, INC
 304 MASTER ST
 1ST FLOOR
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 PHONE NO. 267-800-3540

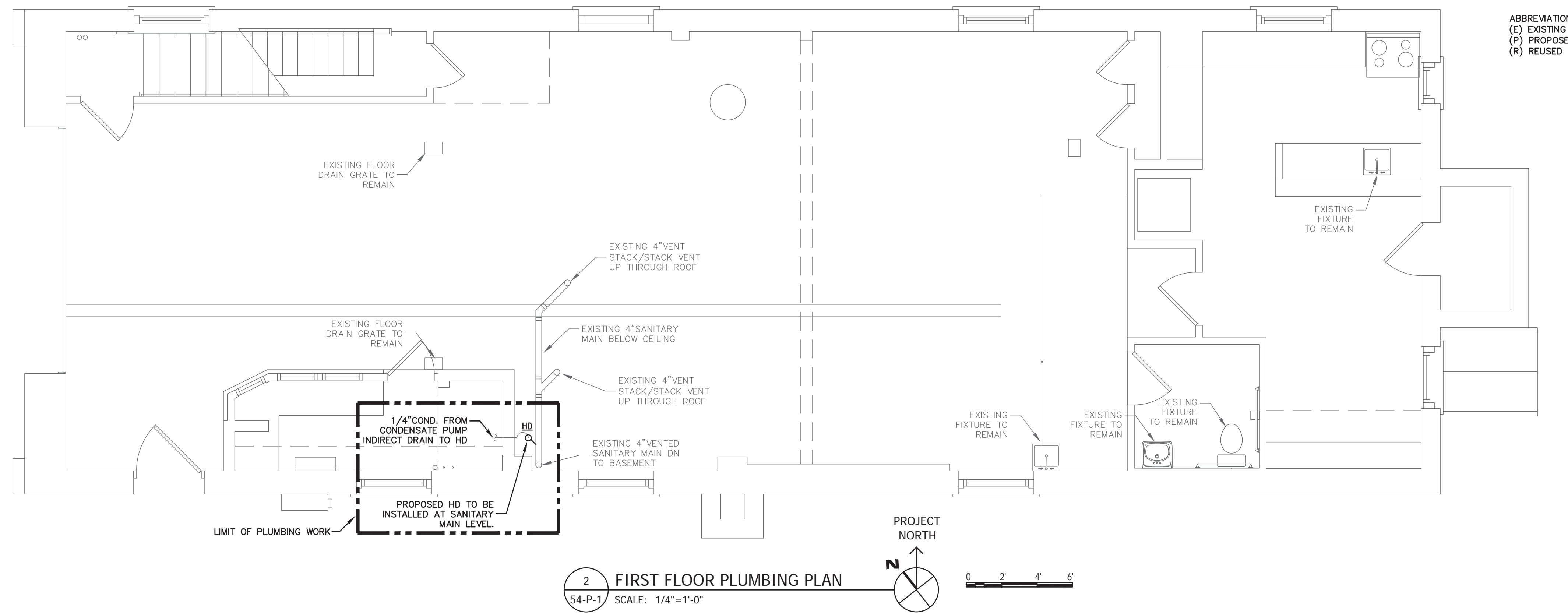
CITY OF PHILADELPHIA
 DEPARTMENT OF PUBLIC PROPERTY
 CAPITAL PROJECTS DIVISION
 1400 JFK BLVD 7TH FLR CITY HALL
 PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
 ENGINES 43, 54, 61, 64
 STRUCTURAL IMPROVEMENTS

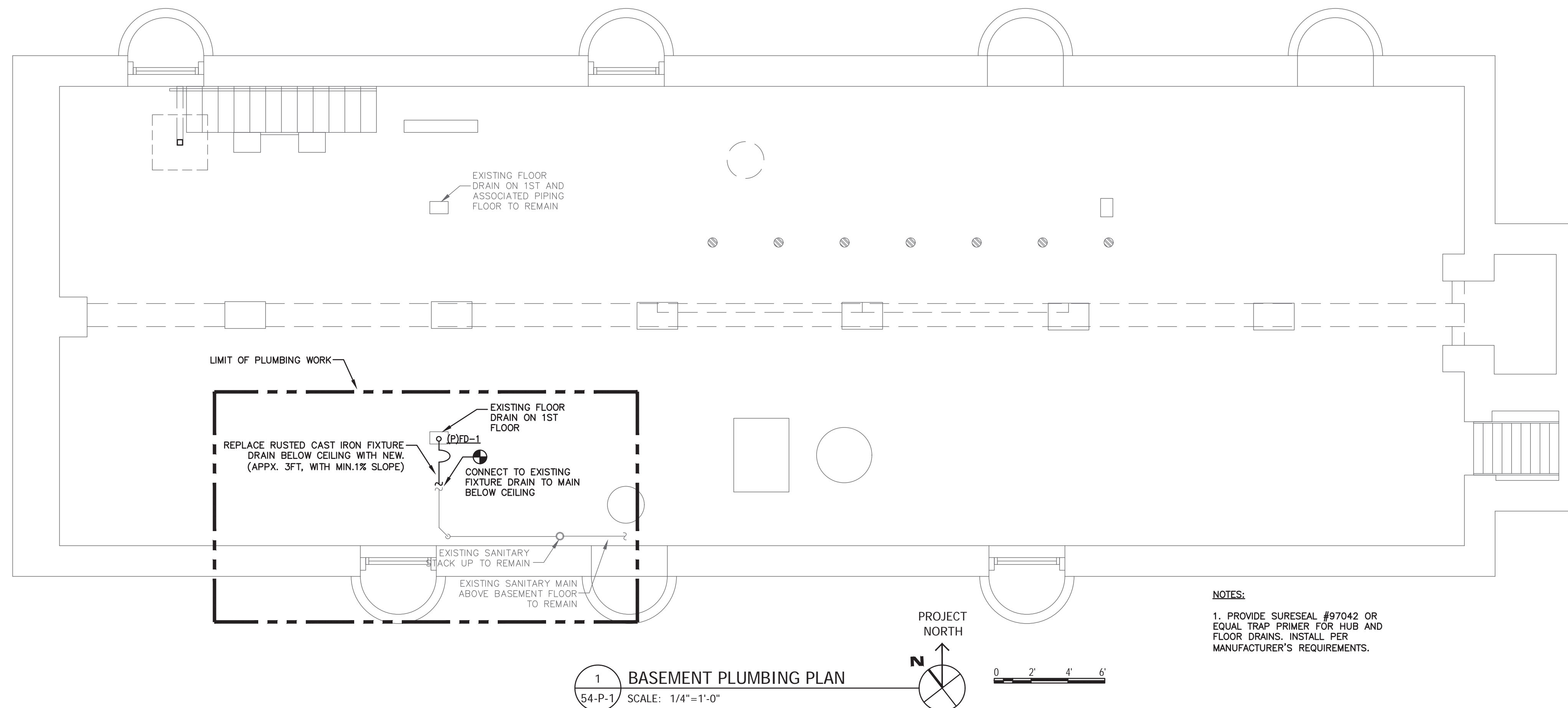
DRAWING TITLE
 ENGINE 54 MECHANICAL PLAN

PROJECT NO. 13-21-4726-04	DRAWING NO. 54-M-1
DATE DECEMBER 9, 2021	
SCALE AS INDICATED	
DRAWN BY YG	
CHECKED BY LH	FILE: P:\C\PROJECTS\PHILADELPHIA\ENGINE54

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



2 FIRST FLOOR PLUMBING PLAN
54-P-1 SCALE: 1/4"=1'-0"



1 BASEMENT PLUMBING PLAN
54-P-1 SCALE: 1/4"=1'-0"

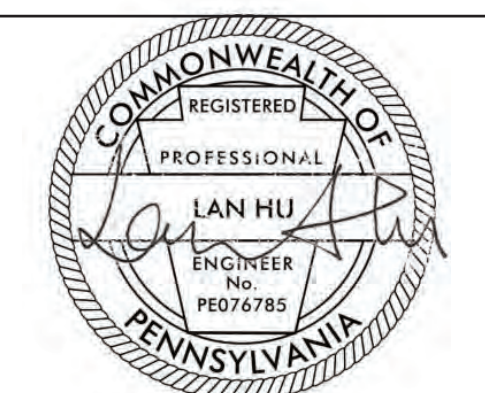
NOTES:
1. PROVIDE SURESEAL #97042 OR EQUAL TRAP PRIMER FOR HUB AND FLOOR DRAINS. INSTALL PER MANUFACTURER'S REQUIREMENTS.

ABBREVIATION:
(E) EXISTING
(P) PROPOSED
(R) REUSED

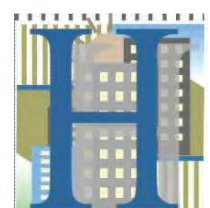
REVISIONS		
ISSUE	DATE	REVISIONS



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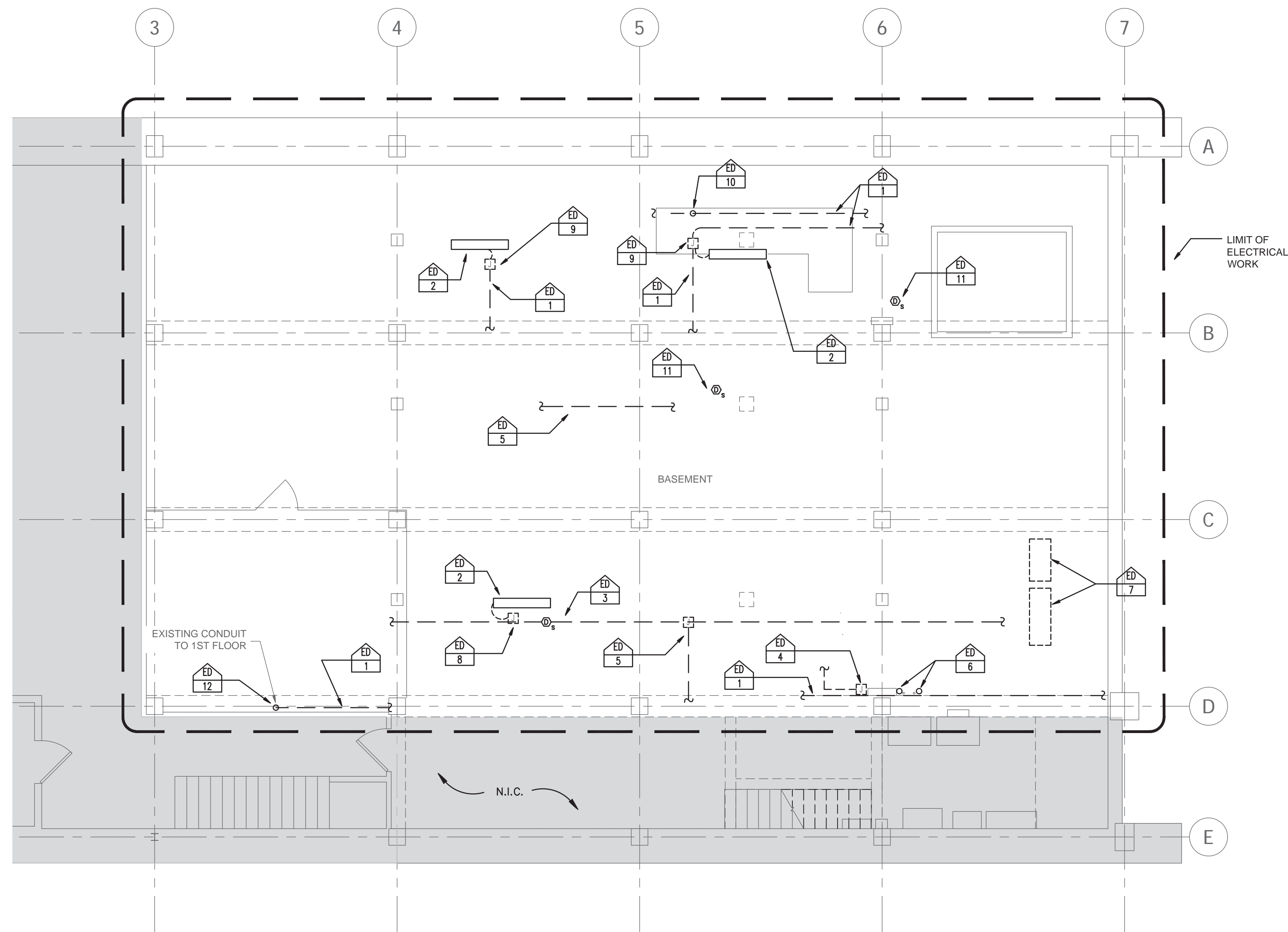
CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY
CAPITAL PROJECTS DIVISION
1400 JFK BLVD 7TH FLR CITY HALL
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
ENGINES 43, 54, 61, 64
STRUCTURAL IMPROVEMENTS

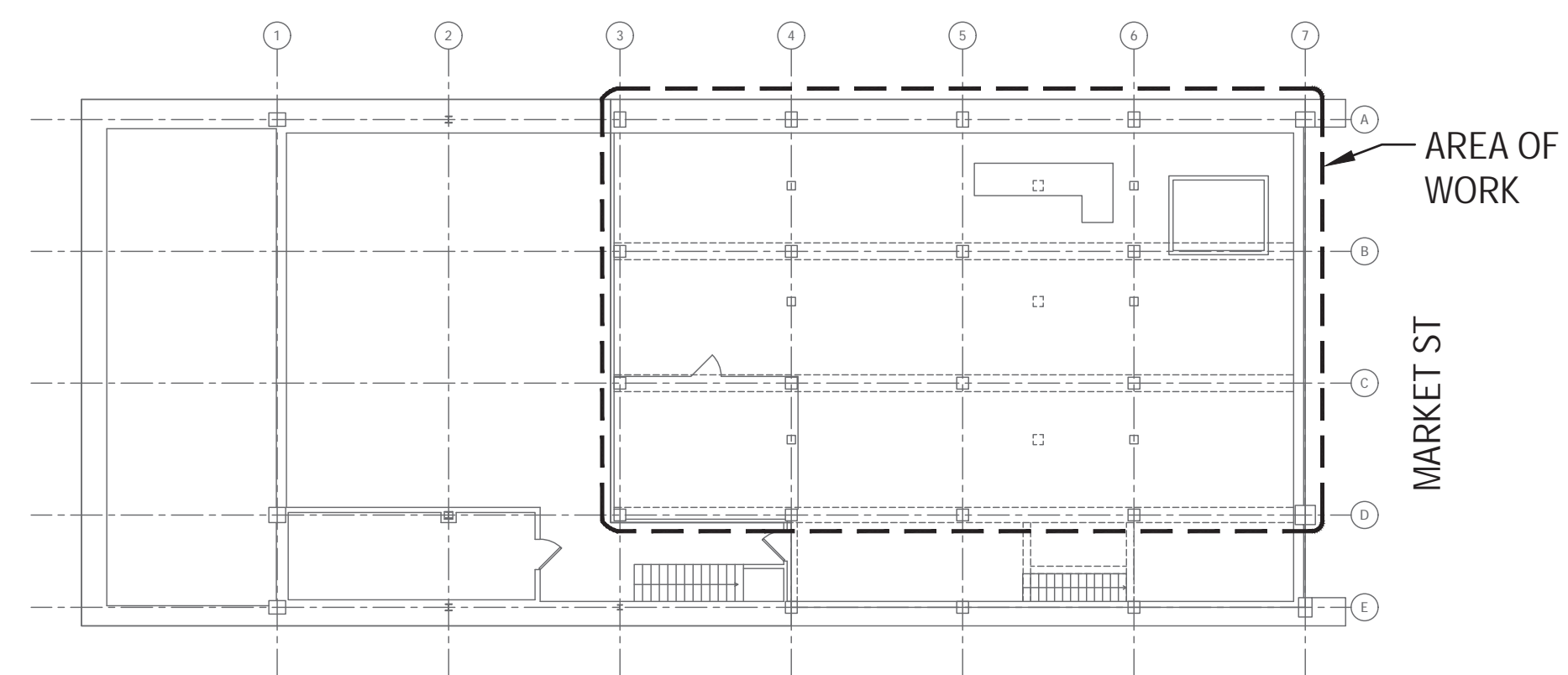
DRAWING TITLE
ENGINE 54 PLUMBING
PLANS

PROJECT NO. 13-21-4726-04	DRAWING NO. 54-P-1
DATE DECEMBER 9, 2021	
SCALE AS INDICATED	
DRAWN BY YG	
CHECKED BY LH	FILE P:\PROJECTS\PHILADELPHIA\ENGINES

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE AS SHOWN ON THE DRAWING AND SHALL BE BEFORE PROCEEDING WITH THE WORK.



1 BASEMENT ELECTRICAL SELECTIVE DEMOLITION PLAN
 43-ED-1 SCALE: 3/16"=1'-0" PROJECT NORTH



2 BASEMENT KEY PLAN
 43-ED-1 SCALE: NOT TO SCALE PROJECT NORTH

KEY:

NOT IN CONTRACT (N.I.C.).

ELECTRICAL SELECTIVE DEMOLITION PLAN KEY NOTES

- ED 1 DISCONNECT AND REMOVE THE EXISTING ELECTRICAL CONDUIT AND ASSOCIATED ACCESSORIES. MAINTAIN THE EXISTING CIRCUITS. PREPARE FOR REINSTALLATION/RECONNECTION OF CIRCUITS & CONDUITS AFTER STRUCTURAL REPAIR WORK.
- ED 2 DISCONNECT AND REMOVE THE EXISTING LIGHT FIXTURE, ASSOCIATED WIRING/CONDUIT BACK TO THE JUNCTION BOX. REMOVE ANY ACCESSORIES ATTACHED TO THE CEILING. SALVAGE THE EXISTING LIGHT FIXTURE FOR REINSTALLATION AT THE ORIGINAL LOCATION.
- ED 3 TEMPORARILY REMOVE THE EXISTING SMOKE DETECTOR, HORIZONTAL CONDUITS AND ASSOCIATED ACCESSORIES WITHIN THE STRUCTURAL REPAIR AREA. MAINTAIN EXISTING CIRCUITS. PREPARE FOR REINSTALLING THE SMOKE DETECTOR AT THE ORIGINAL LOCATION. MAINTAIN THE FULLY FUNCTION OF THE EXISTING FIRE ALARM SYSTEM IN OTHER AREAS.
- ED 4 DISCONNECT AND REMOVE THE EXISTING HORIZONTAL CONDUIT, RUSTED CEILING MOUNTED JUNCTION BOX AND ASSOCIATED ACCESSORIES. DISCONNECT AND REMOVE THE EXISTING RUSTED/BROKEN VERTICAL CONDUIT FROM BASEMENT TO 1ST FLOOR. MAINTAIN THE EXISTING PENETRATION. MAINTAIN THE EXISTING CIRCUITS. PREPARE FOR REINSTALLATION/RECONNECTION OF CIRCUITS & CONDUITS.
- ED 5 TEMPORARILY REMOVE THE EXISTING FIRE ALARM CONDUITS/JUNCTION BOX AND ASSOCIATED ACCESSORIES BELOW CEILING. MAINTAIN EXISTING CIRCUITS. PREPARE FOR REINSTALLATION AT THE ORIGINAL LOCATION. MAINTAIN THE FULLY FUNCTION OF THE EXISTING FIRE ALARM SYSTEM IN OTHER AREAS.
- ED 6 DISCONNECT AND REMOVE THE EXISTING VERTICAL ELECTRICAL CONDUIT AND ASSOCIATED ACCESSORIES FROM THE CEILING. MAINTAIN THE EXISTING CIRCUITS. PREPARE FOR REINSTALLATION/RECONNECTION OF CIRCUITS & CONDUITS AFTER STRUCTURAL REPAIR WORK.
- ED 7 CONTRACTOR TO FIELD VERIFY EXISTING EQUIPMENT/WIRING NO LONGER IN SERVICE. DISCONNECT AND REMOVE THE ABANDONED ELECTRICAL SERVICE, LOW VOLTAGE EQUIPMENT AND WIRING AND ASSOCIATED ACCESSORIES, ACCESSIBLE CONDUIT. CAP AND TERMINATE THE ABANDONED ELECTRICAL SERVICE AT DISCONNECT POINT AT THE WALL OR CEILING. PROVIDE NEW SMALLER ELECTRICAL BOX FOR THE EQUIPMENT AND WIRING TO REMAIN. REUSE EXISTING SUPPORT AND PROVIDE NEW BACK BOARD AS REQUIRED.
- ED 8 DEMOLISH THE EXISTING FLUSH MOUNTED JUNCTION BOX. MAINTAIN THE EXISTING CIRCUITS. PREPARE FOR REINSTALLATION & RECONNECTION.
- ED 9 DISCONNECT AND REMOVE THE EXISTING SURFACE MOUNTED JUNCTION BOX AND ASSOCIATED ACCESSORIES, MAINTAIN THE EXISTING CIRCUITS. PREPARE FOR REINSTALLATION & RECONNECTION.
- ED 10 TEMPORARILY DISCONNECT AND REMOVE THE EXISTING VERTICAL ELECTRICAL CONDUIT DOWN TO FLOOR. MAINTAIN THE EXISTING CIRCUITS. PREPARE FOR REINSTALLATION/RECONNECTION OF CIRCUITS & CONDUITS AFTER STRUCTURAL REPAIR WORK.
- ED 11 EXISTING SMOKE DETECTOR TO REMAIN. PROVIDE COVER TO PROTECT THE DETECTION FORM DUST AND DAMAGE DURING STRUCTURAL REPAIR WORK.
- ED 12 DISCONNECT AND REMOVE THE EXISTING RUSTED/BROKEN ELECTRICAL CONDUIT FROM BASEMENT TO 1ST FLOOR AND ASSOCIATED ACCESSORIES. MAINTAIN THE EXISTING CIRCUITS. PREPARE FOR REINSTALLATION/RECONNECTION OF CIRCUITS & CONDUITS AFTER STRUCTURAL REPAIR WORK.

REVISIONS

ISSUE	DATE	REVISIONS



PROJECT COORDINATOR: FREDDA LIPPES



SPACE FOR DESIGN CONSULTANT

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PROJECT TITLE
 ENGINES 43, 54, 61, 64
 STRUCTURAL IMPROVEMENTS

DRAWING TITLE
 ENGINE 43 ELECTRICAL
 SELECTIVE DEMO PLAN

PROJECT NO. 13-21-4726-04	DRAWING NO. 43-ED-1
DATE DECEMBER 9, 2021	SCALE AS NOTED
DRAWN BY ZMD	CHECKED BY LH

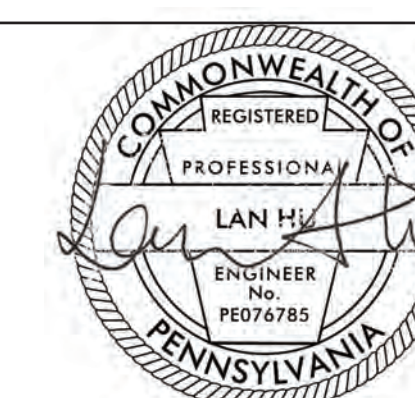
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ISSUE	DATE	REVISIONS



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PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
**ENGINES 43, 54, 61, 64
STRUCTURAL IMPROVEMENTS**

DRAWING TITLE
**ENGINE 43 BASEMENT
ELECTRICAL PLAN**

PROJECT NO.
13-21-4726-04

DATE
DECEMBER 9, 2021

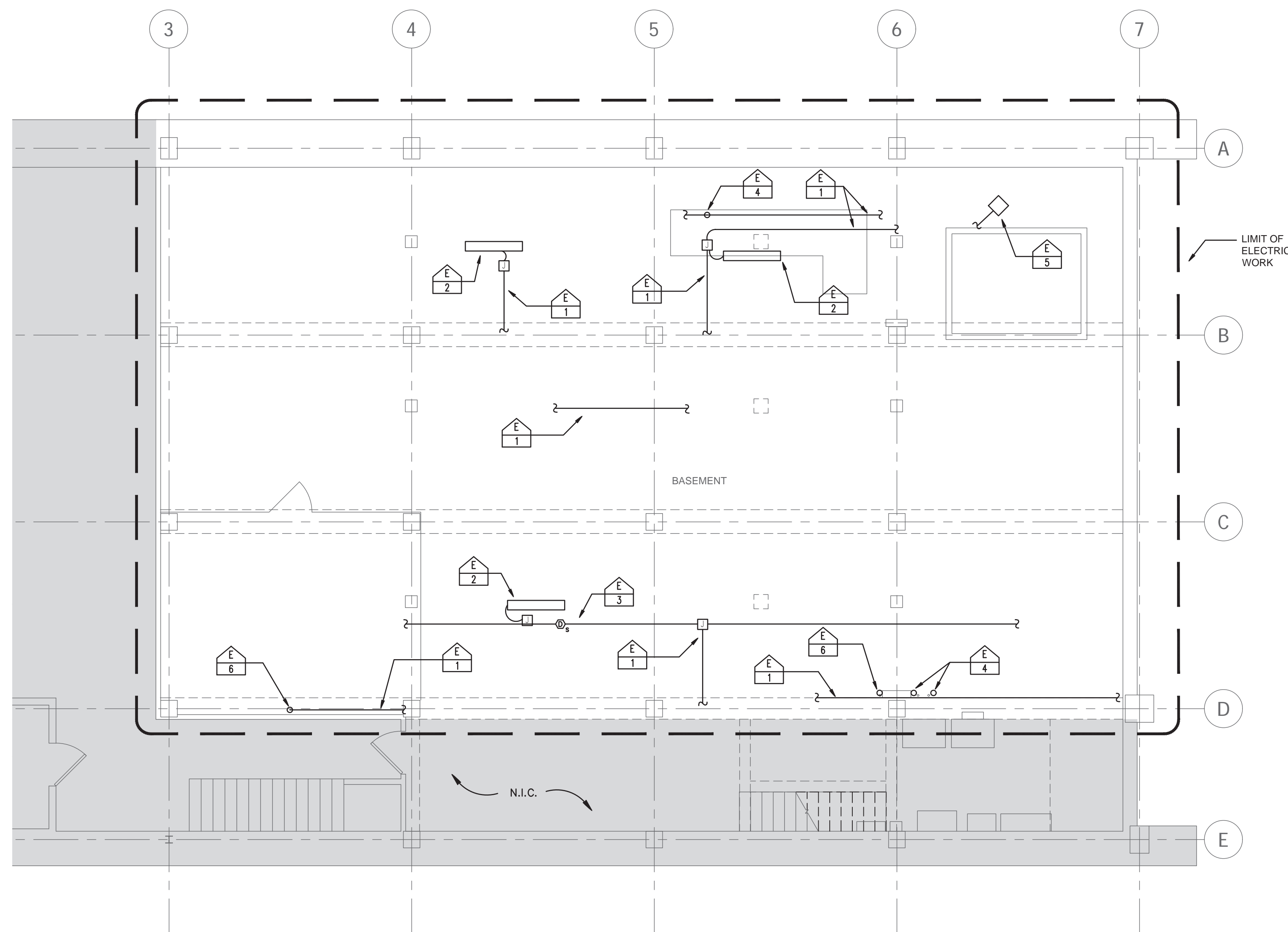
SCALE
AS NOTED

DRAWN BY
ZMD

CHECKED BY
LH

DRAWING NO.
43-E-1

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



1 BASEMENT ELECTRICAL PLAN
43-E-1 SCALE: 3/16"=1'-0" PROJECT NORTH

LIGHTING FIXTURE SCHEDULE						
SYMBOL/TAG	DESCRIPTION	BASIS OF DESIGN	CATALOG NUMBER	LAMP	WATTAGE	VOLTS
◇	LED LOW PROFILE SQUARE FLUSH MOUNT LIGHT	COOPER LIGHTING	METALUX FM11WSSCR	LED	13.9W	120V

NOTE: 1. ALL MANUFACTURE AND CATALOG NUMBER IN LIGHTING FIXTURE SCHEDULE ARE BASIS OF DESIGN. CONTRACTOR SHALL SELECT AS THE SAME OR THE EQUIVALENT.

KEY:

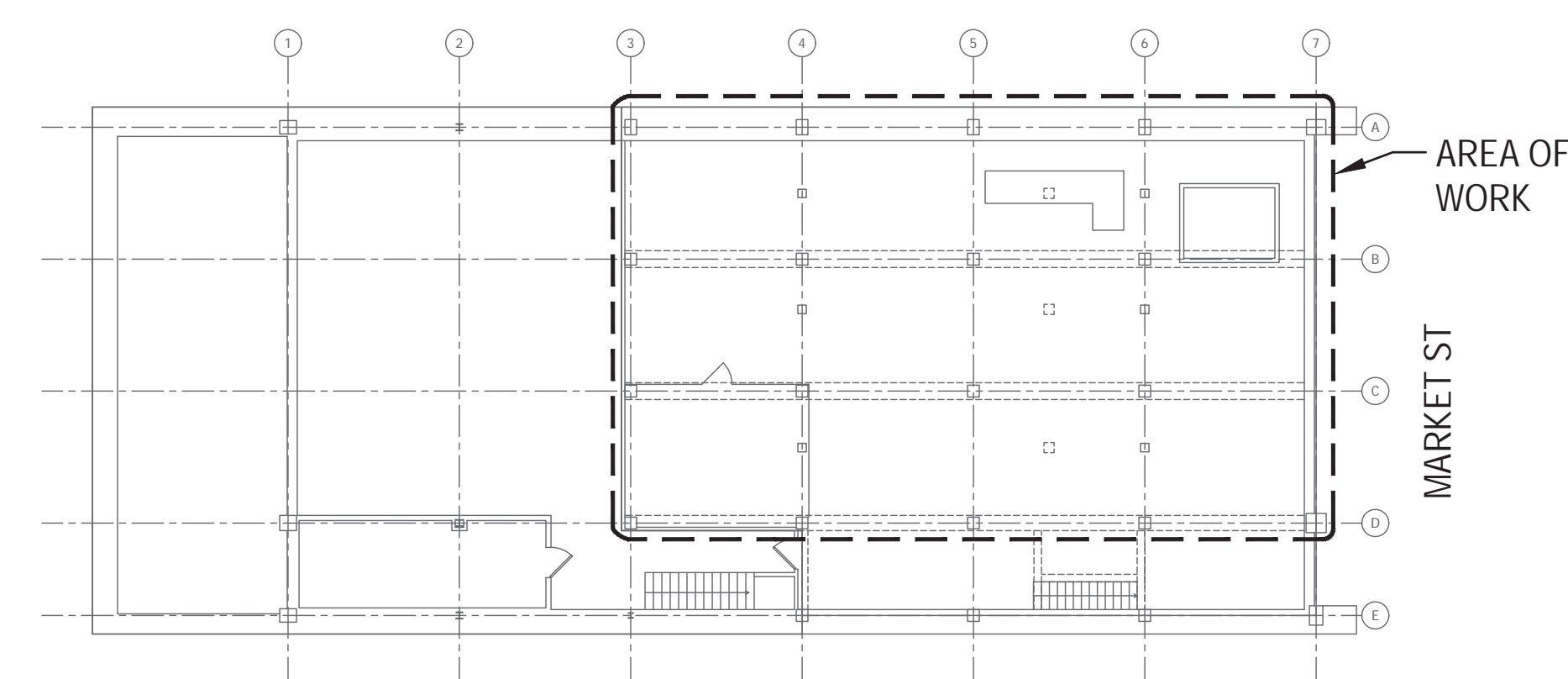
NOT IN CONTRACT (N.I.C.)

ELECTRICAL PLAN GENERAL NOTES

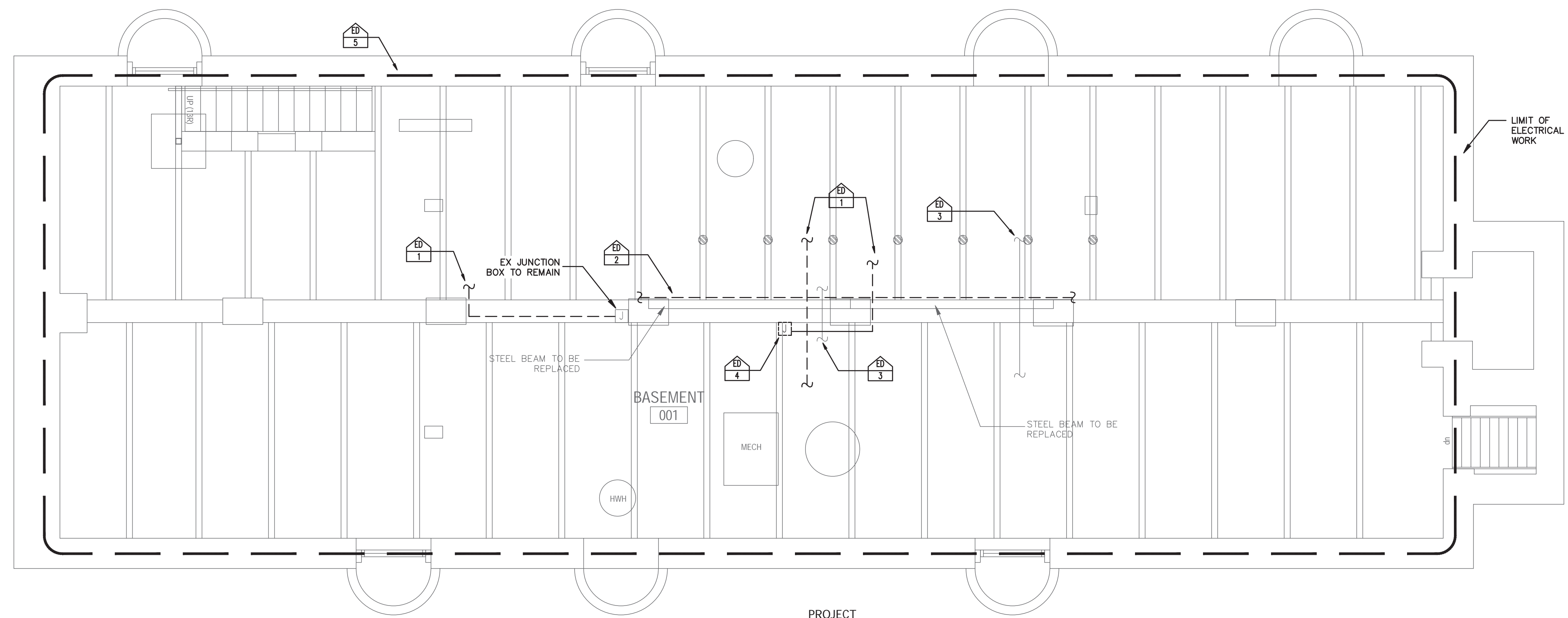
1. ALL ELECTRICAL DEVICES, EQUIPMENT, WIRES, CONDUITS THAT ARE NOT SHOWN IN THE PLAN ARE EXISTING TO REMAIN, NO WORK PERFORMED UNLESS OTHERWISE NOTED.

ELECTRICAL PLAN KEY NOTES

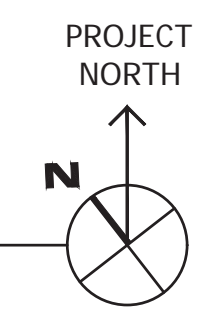
- E 1** REINSTALL AND RECONNECT CONDUITS. REUSE, EXTEND IF NEEDED AND RECONNECT EXISTING CIRCUITS. PROVIDE CONDUITS SUPPORTS PER NEC.
- E 2** REUSE AND REINSTALL THE EXISTING LIGHT FIXTURE AT THE ORIGINAL LOCATION.
- E 3** REUSE AND REINSTALL THE EXISTING SMOKE DETECTOR, WIRING, CONDUIT AND ASSOCIATED SUPPORTS AND ACCESSORIES AT THE ORIGINAL LOCATION AS SHOWN IN THE PLAN PER NEC AND NFPA 72.
- E 4** REINSTALL AND RECONNECT CONDUITS AT CEILING. REUSE AND RECONNECT EXISTING CIRCUITS. PROVIDE CONDUITS SUPPORTS PER NEC.
- E 5** REPLACE THE EXISTING BROKEN LIGHT FIXTURE WITH NEW SURFACE MOUNTED LIGHT FIXTURE.
- E 6** INSTALL AND RECONNECT VERTICAL CONDUITS FROM BASEMENT TO 1ST FLOOR THROUGH EXISTING PENETRATION. REUSE, EXTEND IF NEEDED AND RECONNECT EXISTING CIRCUITS. PROVIDE CONDUITS SUPPORTS PER NEC. MAINTAIN THE PENETRATION FIRE RATING AS PREVIOUS.



2 BASEMENT KEY PLAN
43-E-1 SCALE: NOT TO SCALE PROJECT NORTH



1 BASEMENT ELECTRICAL SELECTIVE DEMOLITION PLAN
 54-ED-1 SCALE: 1/4"=1'-0"



ELECTRICAL SELECTIVE DEMOLITION PLAN KEY NOTES

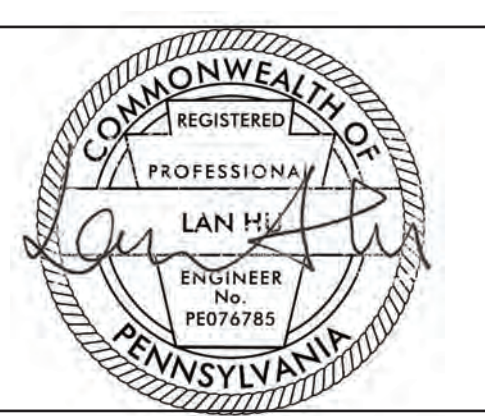
- 1 DISCONNECT AND REMOVE THE RUSTED PORTION OF EXISTING ELECTRICAL CONDUITS AND ASSOCIATED ACCESSORIES. MAINTAIN THE EXISTING CIRCUITS, PREPARE FOR REINSTALLATION/RECONNECTION OF CIRCUITS & CONDUITS AFTER STRUCTURAL REPAIR WORK.
- 2 DISCONNECT AND REMOVE THE EXISTING ELECTRICAL CONDUITS AND ASSOCIATED ACCESSORIES ATTACHED TO THE STEEL BEAM TO BE REPLACED. MAINTAIN THE EXISTING CIRCUITS, PREPARE FOR REINSTALLATION/RECONNECTION OF CIRCUITS AFTER BEAM REPLACEMENT.
- 3 REMOVE ALL CONDUITS ACCESSORIES ATTACHED TO THE STEEL BEAM TO PERFORM THE STRUCTURAL REPAIR WORK. CLEAN EXISTING CONDUITS TO GOOD CONDITION.
- 4 DISCONNECT AND REMOVE THE RUSTED JUNCTION BOX AND ACCESSORIES ATTACHED TO THE STEEL BEAM. MAINTAIN THE EXISTING CIRCUITS, PREPARE FOR REINSTALLATION/RECONNECTION OF CIRCUITS AFTER STRUCTURAL REPAIR WORK.
- 5 TEMPORARILY REMOVE THE CONDUITS ACCESSORIES ATTACHED TO THE RUSTED STEEL BEAM, BEARING PLATES, AND FLANGES TO BE CLEANED AND PAINTED THROUGH OUT THE BASEMENT. REINSTALL THE CONDUITS SUPPORTS/ACCESSORIES AFTER THE CLEAN AND PAINT WORK.

REVISIONS

ISSUE	DATE	REVISIONS



PROJECT COORDINATOR: FREDDA LIPPES



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PROJECT TITLE
 ENGINES 43, 54, 61, 64
 STRUCTURAL IMPROVEMENTS

DRAWING TITLE
 ENGINE 54 ELECTRICAL
 SELECTIVE DEMO PLAN









PROJECT NO. 13-21-4726-04	DRAWING NO. 54-ED-1
DATE DECEMBER 9, 2021	
SCALE AS NOTED	
DRAWN BY ZMD	
CHECKED BY LH	

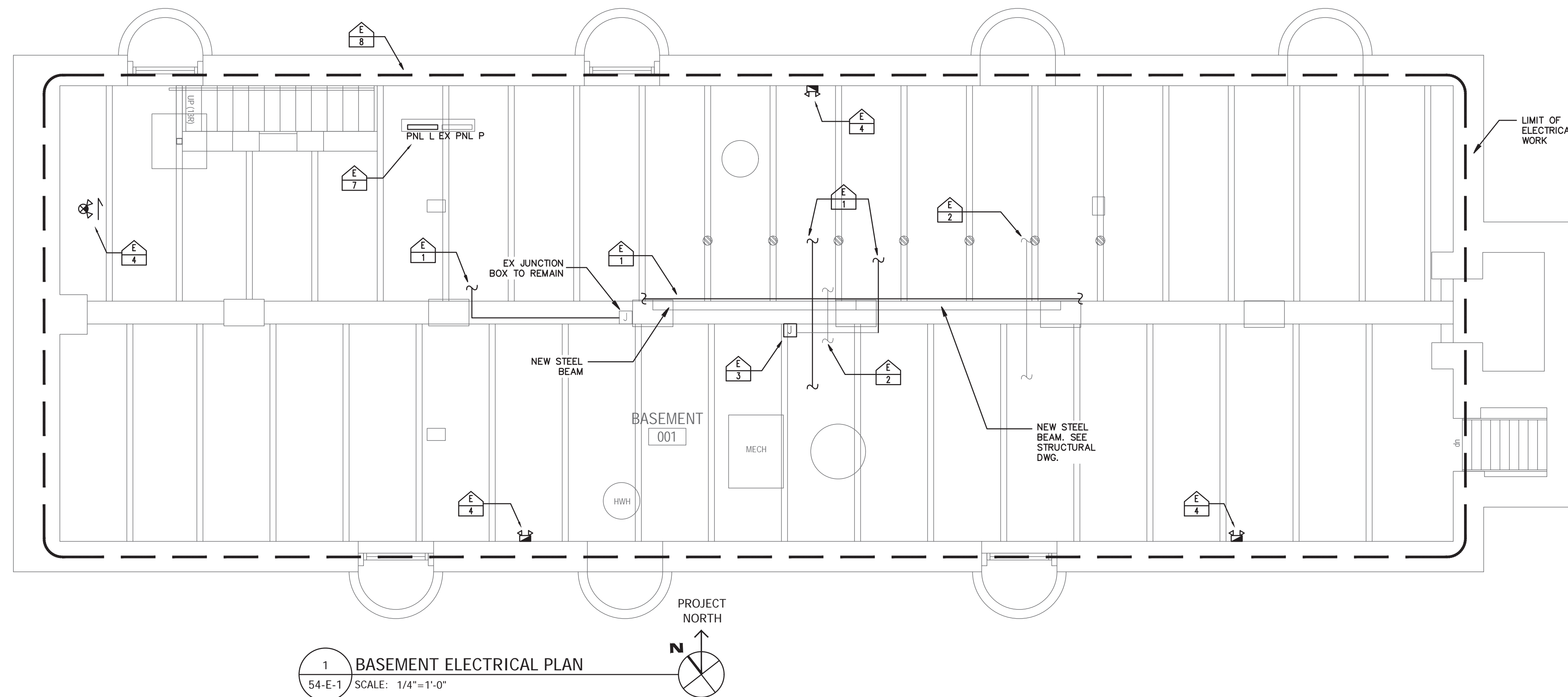
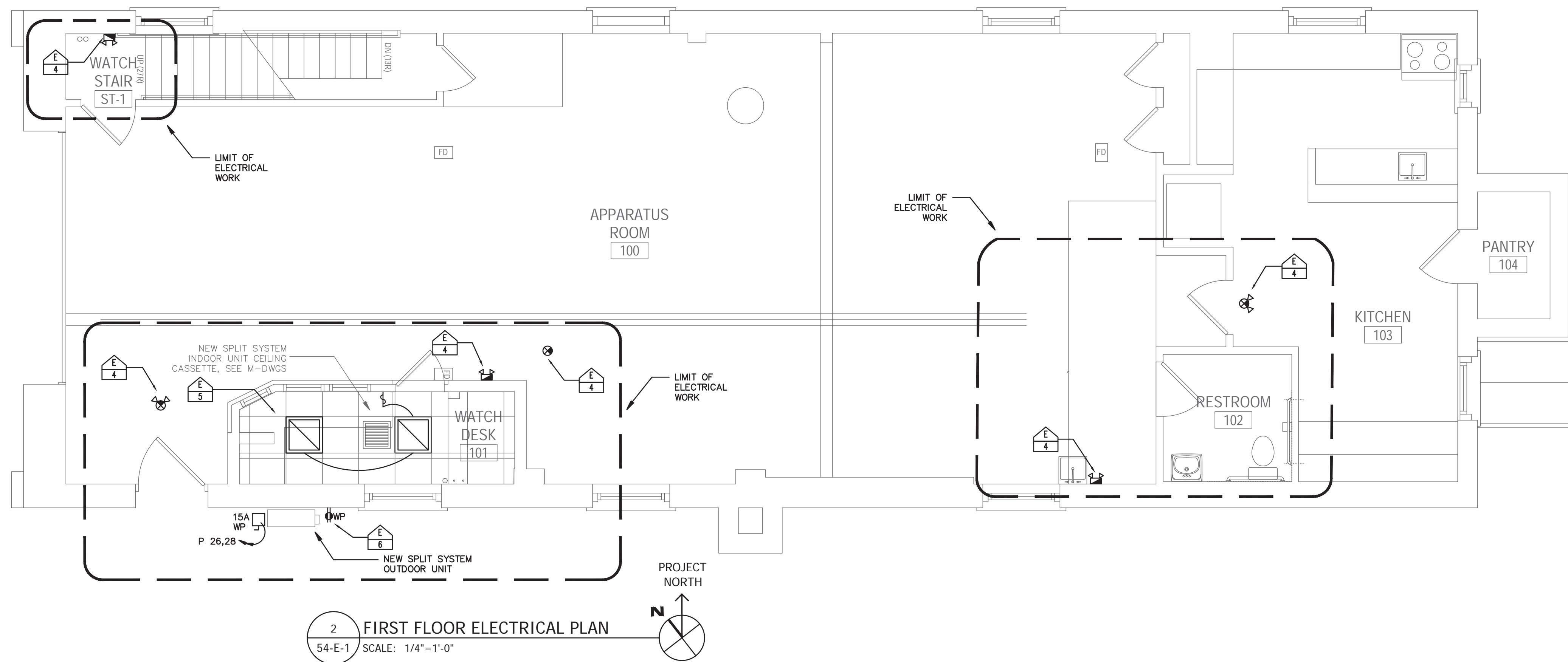
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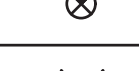

ELECTRICAL PLAN GENERAL NOTES

1. ALL ELECTRICAL DEVICES, EQUIPMENT, WIRES, CONDUITS THAT ARE NOT SHOWN IN THE PLAN ARE EXISTING TO REMAIN, NO WORK PERFORMED UNLESS OTHERWISE NOTED.

ELECTRICAL PLAN KEY NOTES

-  REINSTALL AND RECONNECT CONDUITS AFTER STRUCTURAL REPAIR WORK. RECONNECT THE EXISTING CIRCUITS. PROVIDE CONDUITS SUPPORTS PER NEC.
-  PROVIDE SUPPORTS ATTACHED TO THE STEEL BEAM FOR EXISTING CONDUITS PER NEC.
-  REINSTALL NEW ELECTRICAL JUNCTION BOX AFTER STRUCTURAL REPAIR WORK. RECONNECT THE EXISTING CIRCUITS AND CONDUITS. PROVIDE NEW SUPPORT FASTENER ATTACHED TO STEEL BEAM.
-  INSTALL NEW EMERGENCY LIGHT WALL PACK/EXIT SIGN W/ BATTERY BACK UP. WIRE FROM THE EXISTING BRANCH CIRCUIT THAT SERVING THE NORMAL LIGHTING IN THIS AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES.
-  INSTALL (2) NEW LIGHT FIXTURES AT NEW CEILING GRID. WIRE THE NEW LIGHT FIXTURES AND SWITCH FROM THE EXISTING CIRCUITS OF APPARATUS ROOM EXISTING LIGHTS.
-  INSTALL NEW WEATHER PROOF GFCI RECEPTACLE OUTLET. WIRE THE NEW OUTLET FROM EXISTING CIRCUITS OF EXISTING GENERAL OUTLETS AT WATCH DESK.
-  UPGRADE THE EXISTING ELECTRICAL PANEL TO HAVE MORE CIRCUITS/SPACES WITH THE SAME RATING AS EXISTING ONE. SEE PANEL SCHEDULES IN 54-E-2 FOR MORE DETAILS.
-  REINSTALL THE TEMPORARILY REMOVED CONDUITS SUPPORTS/ACCESSORIES BECAUSE OF THE CLEAN AND PAINT WORK OF RUSTED STEEL BEAM, BEARING PLATES, AND FLANGES, REPLACE WITH NEW SUPPORTS/ACCESSORIES IF THEY ARE IN BAD CONDITION.



LIGHTING FIXTURE SCHEDULE						
SYMBOL/TAG	DESCRIPTION	BASIS OF DESIGN	CATALOG NUMBER	LAMP	WATTAGE	VOLTS
	2' X 2' LED TROFFER	LITHONIA	2GTL2 A12 120 LP840	LED	16.2W	120V
	EMERGENCY BATTERY WALL-PACK LIGHT	LITHONIA	ELM4L	LED	5W	120V
	EMERGENCY EXIT SIGN WITH BATTERY BACKUP	LITHONIA	EXR EL M6	LED	3.8W	120V
	EMERGENCY EXIT SIGN WITH EMERGENCY DUAL HEADS AND BATTERY BACKUP	LITHONIA	ECR SQ M6	LED	3.8W	120V

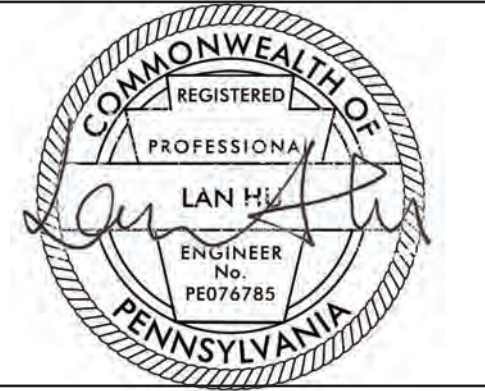
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PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
**ENGINES 43, 54, 61, 64
STRUCTURAL IMPROVEMENTS**

DRAWING TITLE
**ENGINE 54 BASEMENT & FIRST
FLOOR ELECTRICAL PLAN**








PROJECT NO. 13-21-4726-04	DRAWING NO. 54-E-1
DATE DECEMBER 9, 2021	SCALE AS NOTED
DRAWN BY ZMD	CHECKED BY LH

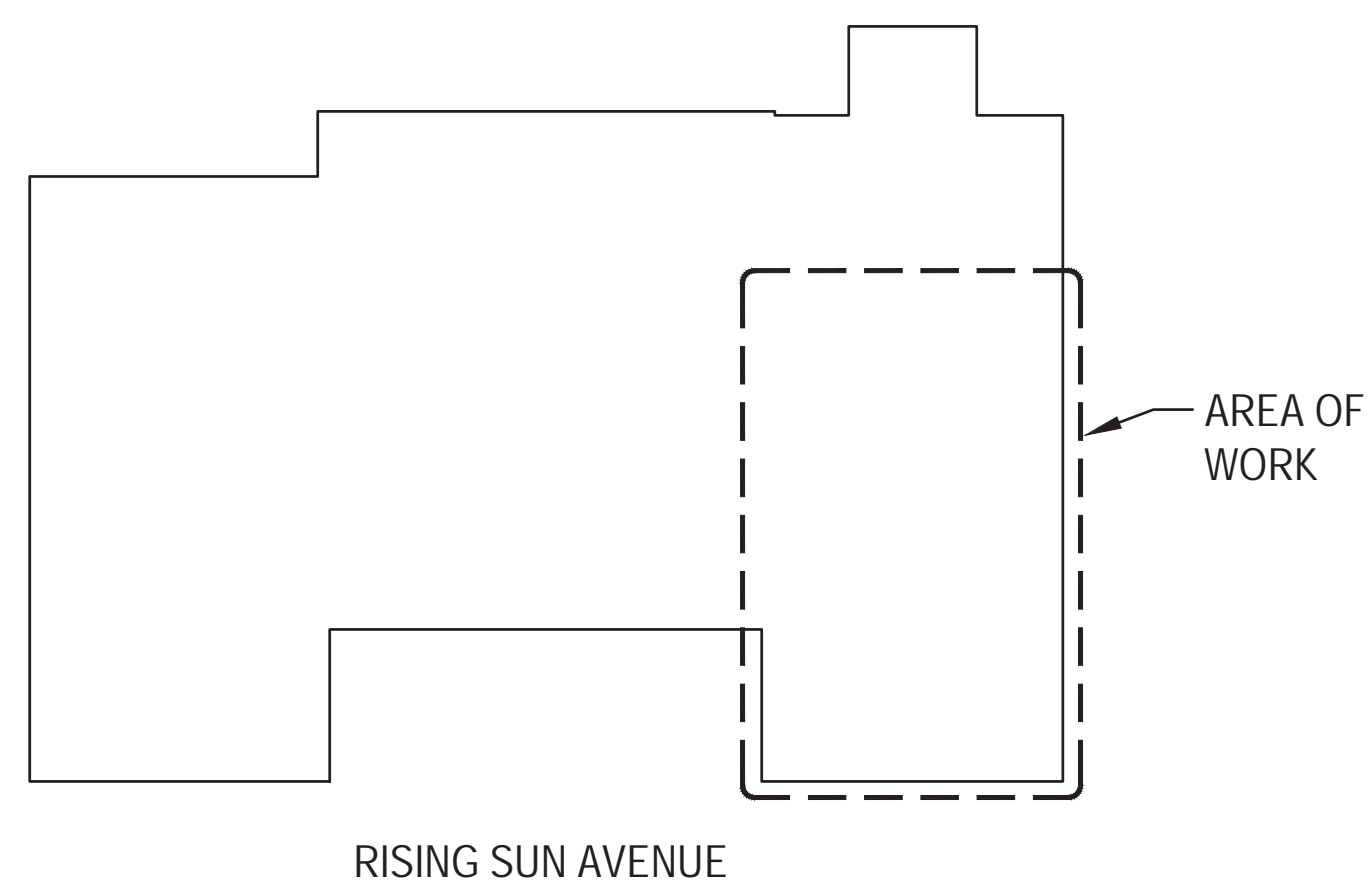
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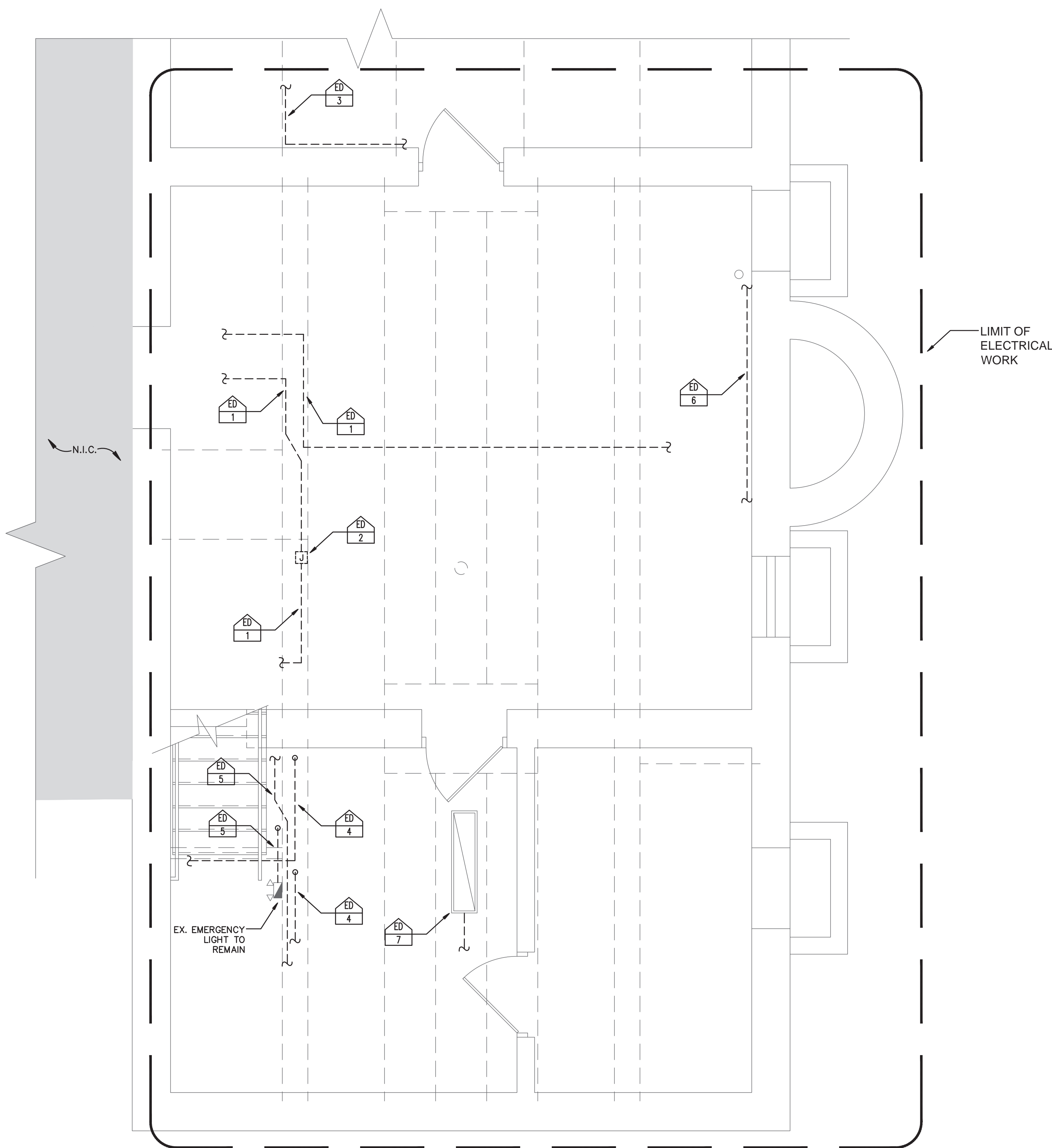
 NOT IN CONTRACT (N.I.C.).

ELECTRICAL SELECTIVE DEMOLITION PLAN KEY NOTES

-  DISCONNECT AND REMOVE THE EXISTING ELECTRICAL CONDUITS AND ASSOCIATED ACCESSORIES ATTACHED TO THE BEAM. MAINTAIN THE EXISTING CIRCUITS, PREPARE FOR REINSTALLATION/RECONNECTION OF CIRCUITS & CONDUITS AFTER STRUCTURAL REPAIR WORK.
-  DISCONNECT AND REMOVE THE EXISTING ELECTRICAL BOX AND ASSOCIATED ACCESSORIES ATTACHED TO THE BEAM. SALVAGE THE EXISTING JUNCTION BOX IF FEASIBLE.
-  DISCONNECT AND REMOVE THE EXISTING ELECTRICAL CONDUIT AND ASSOCIATED ACCESSORIES. MAINTAIN THE EXISTING CIRCUITS, PREPARE FOR REINSTALLATION/RECONNECTION OF CIRCUITS & CONDUITS AFTER STRUCTURAL REPAIR WORK.
-  DISCONNECT AND REMOVE THE EXISTING RUSTED CONDUITS AND ASSOCIATED ACCESSORIES FROM BASEMENT TO 1ST FLOOR, REPLACE WITH NEW CONDUITS AFTER BEAM CLEAN & PAINT WORK. MAINTAIN THE EXISTING CIRCUITS, PREPARE FOR REINSTALLATION/RECONNECTION OF CIRCUITS & CONDUITS AFTER BEAM CLEAN & PAINT WORK.
-  CUT/DISCONNECT AND REMOVE THE EXISTING RUSTED CONDUITS AND ASSOCIATED ACCESSORIES ATTACHED TO BEAM. MAINTAIN THE EXISTING CIRCUITS, PREPARE FOR REINSTALLATION/RECONNECTION OF CIRCUITS & CONDUITS AFTER BEAM CLEAN & PAINT WORK.
-  FIELD VERIFY EXISTING ELECTRICAL CONDUITS & CIRCUITS IN CEILING CONCRETE. DISCONNECT AND REMOVE THE CONDUITS FROM EACH END. IF EXISTING CIRCUITS ARE STILL IN SERVICE, MAINTAIN THE EXISTING CIRCUITS, PREPARE FOR REINSTALLATION/RECONNECTION OF CIRCUITS & CONDUITS STRUCTURAL REPAIR WORK. OTHERWISE TERMINATE AND CAP THE EXISTING CIRCUITS AND CONDUITS IN PLACE.
-  EXISTING LIGHT FIXTURE TO BE SALVAGED AND RELOCATED. DISCONNECT AND REMOVE EXISTING CONDUITS, MAINTAIN THE EXISTING CIRCUITS.



1 KEY PLAN
64-ED-1 SCALE: NOT TO SCALE



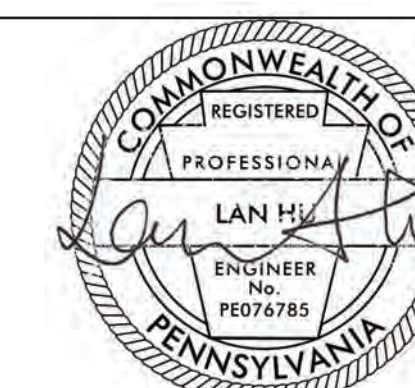
2 BASEMENT ELECTRICAL SELECTIVE DEMOLITION PLAN
64-ED-1 SCALE: 3/8"=1'-0"

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ENGINES 43, 54, 61, 64
STRUCTURAL IMPROVEMENTS

DRAWING TITLE
ENGINE 64 ELECTRICAL
SELECTIVE DEMO PLAN

PROJECT NO.
13-21-4726-04

DATE
DECEMBER 9, 2021

SCALE
AS NOTED

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ZMD

CHECKED BY
LH

DRAWING NO.
64-ED-1

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