

# ELECTRICAL AND HVAC UPGRADE IN ROOM 2010A

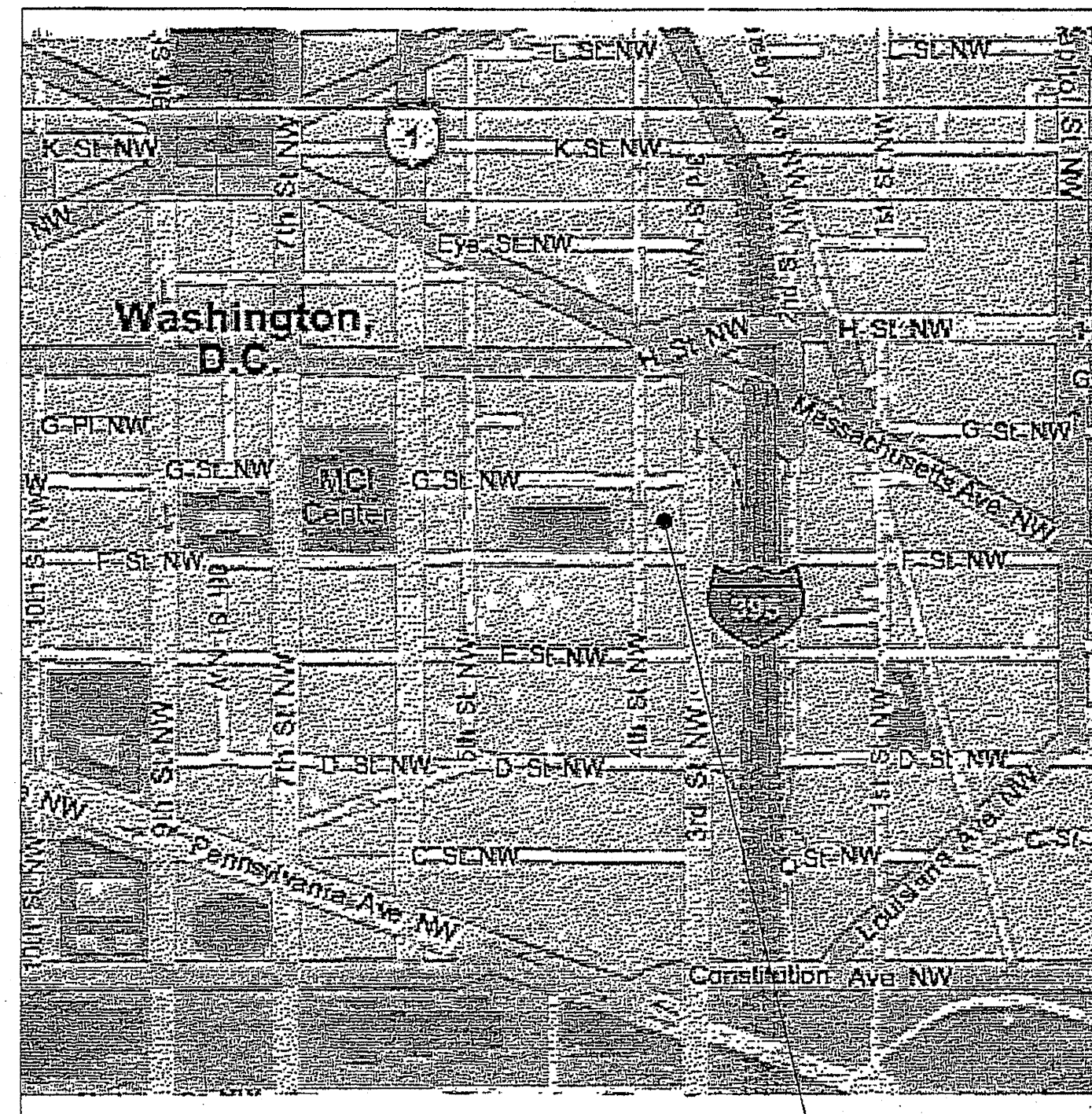
## 601 FOURTH STREET, NW WASHINGTON, D.C. 20002

PROJECT NO.: RWA N0518178

### OPTIONS NOTES:

THESE DOCUMENTS HAVE BEEN DESIGNED WITH THREE (3) OPTIONS. TO CLARIFY THE OPTION INTENT, FOLLOWING IS A LIST OF EQUIPMENT BY OPTION.

- BASE BID: P-1, GC-1 CRAC-1, AS-1, GF-1, ET-1. TWO (2) POWER DISTRIBUTION UNITS
- OPTION 1: P-2, GC-2
- OPTION 2: CRAC-2
- OPTION 3: TWO (2) ADDITIONAL POWER DISTRIBUTION UNITS.



LOCATION MAP

#### CODE COMPLIANCE

THE DESIGN OF THIS PROJECT CONFORMS TO THE FOLLOWING APPLICABLE CODES AND GOVERNMENT REQUIREMENTS:

- 1) ICC - INTERNATIONAL CODE COUNCIL (INCLUDES IBC, IMC, IPC) - 2006
- 2) GSA PBS P100, 2005
- 3) NATIONAL ELECTRICAL CODE, 2008
- 4) FIRE PROTECTION CODE REFERENCES - NFPA 13,70 (NEC),72,90A; NFPA 241; NFPA 101.

#### NOTE:

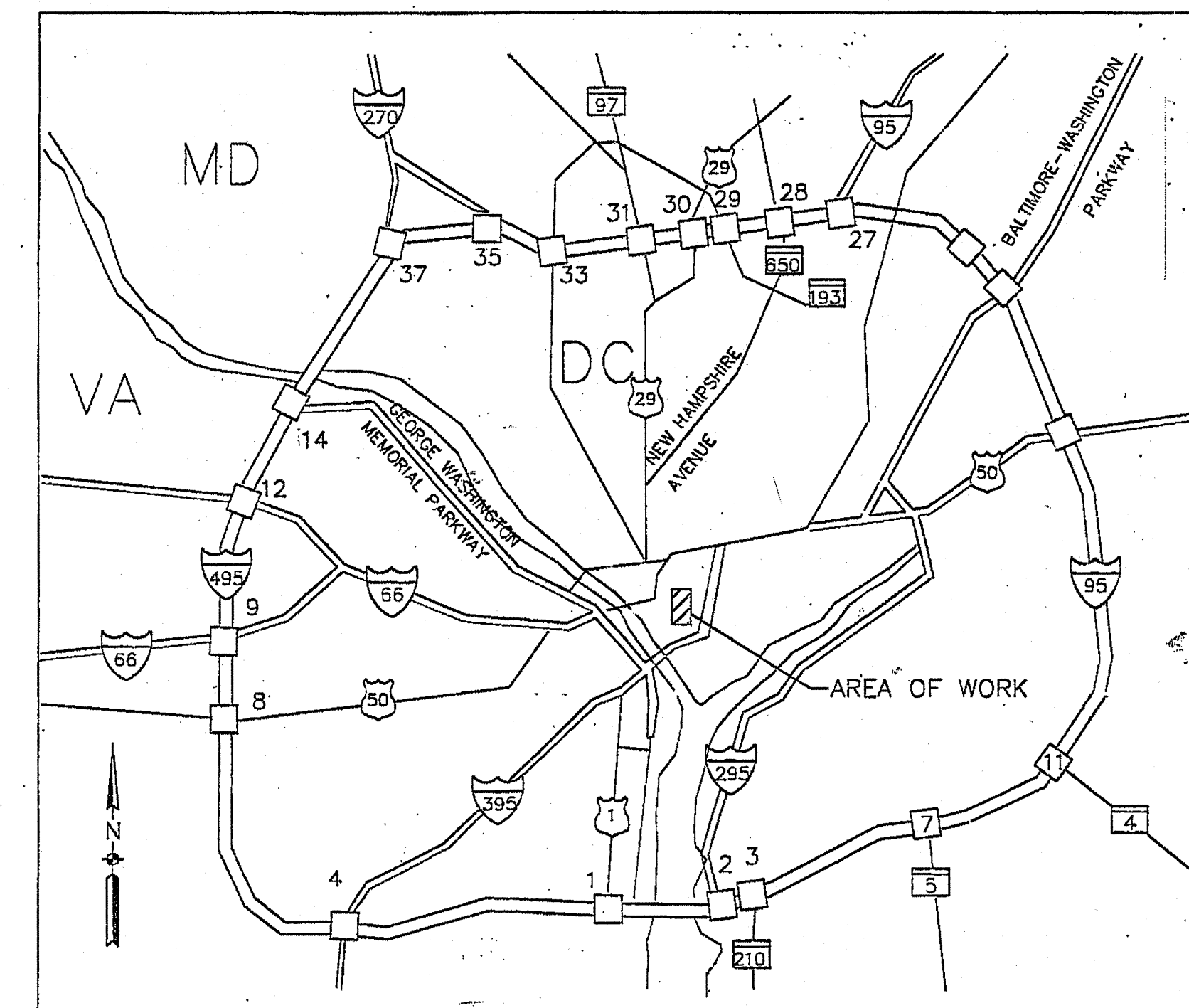
NO LEAD OR ASBESTOS TESTING WAS DONE AND NO LEAD OR ASBESTOS IS ANTICIPATED FOR THIS PROJECT. IF THE SUSPECTED PRESENCE OF EITHER IS ENCOUNTERED, NOTIFY CONTRACTING OFFICER IMMEDIATELY.

#### SECURITY

THE BUILDING IS A SECURE FACILITY. NO ONE SHALL ENTER THE BUILDING WITHOUT PERMISSION FROM THE USER. EVERYONE ENTERING THE BUILDING WILL BE FINGERPRINTED.

### DRAWING INDEX

SHEET NO.	TITLE
G-001	COVER SHEET
S-001	STRUCTURAL NOTES
S-002	SPECIAL INSPECTION NOTES
S-101	B-1 LEVEL PARTIAL FRAMING PLAN
S-201	SECTION AND DETAILS
S-202	SECTION AND DETAILS OPTION 1
FA-101	FIRE ALARM PLAN - NEW WORK
FX-101	SPRINKLER PLAN - NEW WORK
M-001	LEGENDS SCHEDULES AND ABBREVIATIONS
M-101	LEVEL B-1 HVAC PLAN
M-102	2ND LEVEL HVAC PLAN
M-103	LEVEL B-1 HVAC PLAN - OPTION 1
M-301	SECTIONS
M-501	DETAILS
M-601	HVAC PIPING DIAGRAM
M-602	HVAC PIPING OPTIONS
M-701	SEQUENCE OF OPERATIONS
E-001	LEGEND AND ABBREVIATIONS
E-101	SECOND FLOOR POWER PLAN
E-102	PENTHOUSE POWER PLAN - NEW WORK
E-103	LEVEL B-1 POWER PLAN
E-501	DETAILS
E-601	ONE-LINE DIAGRAM - NEW WORK
E-602	SCHEDULES
E-603	SCHEDULES
E-604	SCHEDULES
E-605	SCHEDULES
E-606	SCHEDULES
E-607	OPTION 3 SCHEDULES
E-608	OPTION 3 SCHEDULES
E-609	OPTION 3 SCHEDULES



VICINITY MAP

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<b>GSA</b> GENERAL SERVICES ADMINISTRATION 801 D STREET, SW 315 7th STREET, SW WASHINGTON, DC 20024	
<b>BFA</b> BOWMAN, FOSTER & ASSOC. CONSULTING ENGINEERS #4 INTERSTATE CORP. CENTER NORFOLK, VA 23502 2424 26th ROAD SOUTH ARLINGTON, VA 22206	
<b>DISTRICT OF COLUMBIA</b> No. 901730 12-27-09 REGISTERED PROFESSIONAL ENGINEER	
<b>TENANT AGENCIES</b> FIRE PROTECTION ENVIRONMENTAL MANAGEMENT	
<b>HISTORIC PRESERVATION</b> BUILDING MANAGER SPACE PLANNING CONSTRUCTION	
<b>ARCHITECTURAL</b> STRUCTURAL MECHANICAL ELECTRICAL	
<b>MARK</b> <b>DATE</b> <b>DESCRIPTION</b>	
<b>CONTRACTORS</b> A/E CON. NO. GS-11P-03-YAD-0060 A/E TASK NO. CONS. CONTR. CONS. WORK PRIME A/E BOWMAN FOSTER & ASSOCIATES SUB A/E CONSTR. CON. NAME WFO STREET 601 FOURTH STREET, N.W. CITY/ST/ZIP WASHINGTON, DC BUILDING NO. DC01142Z OTHER BUILDING NOs. FACILITY CODE	
<b>PROJECT</b> PROJECT TITLE ELECTRICAL AND HVAC UPGRADE IN ROOM 2010A PROJECT DESCRIPTION PROJECT NO. N0099192 GSA PM TRONG LUU SUBMISSION FINAL SUBMITTAL SUB. DATE 12/01/09 DRAWING TITLE COVER SHEET FILE NAME G-001 FLOOR NO. N/A DRAWN BY KLB DATE DRAFTED: CHECKED BY SCR SHEET SIZE: 22 X 34	
<b>DRAWING</b> DRAWING NO. G-001 DISCIPLINE SHEET TYPE SEQUENCE SHEET 1 OF 31	



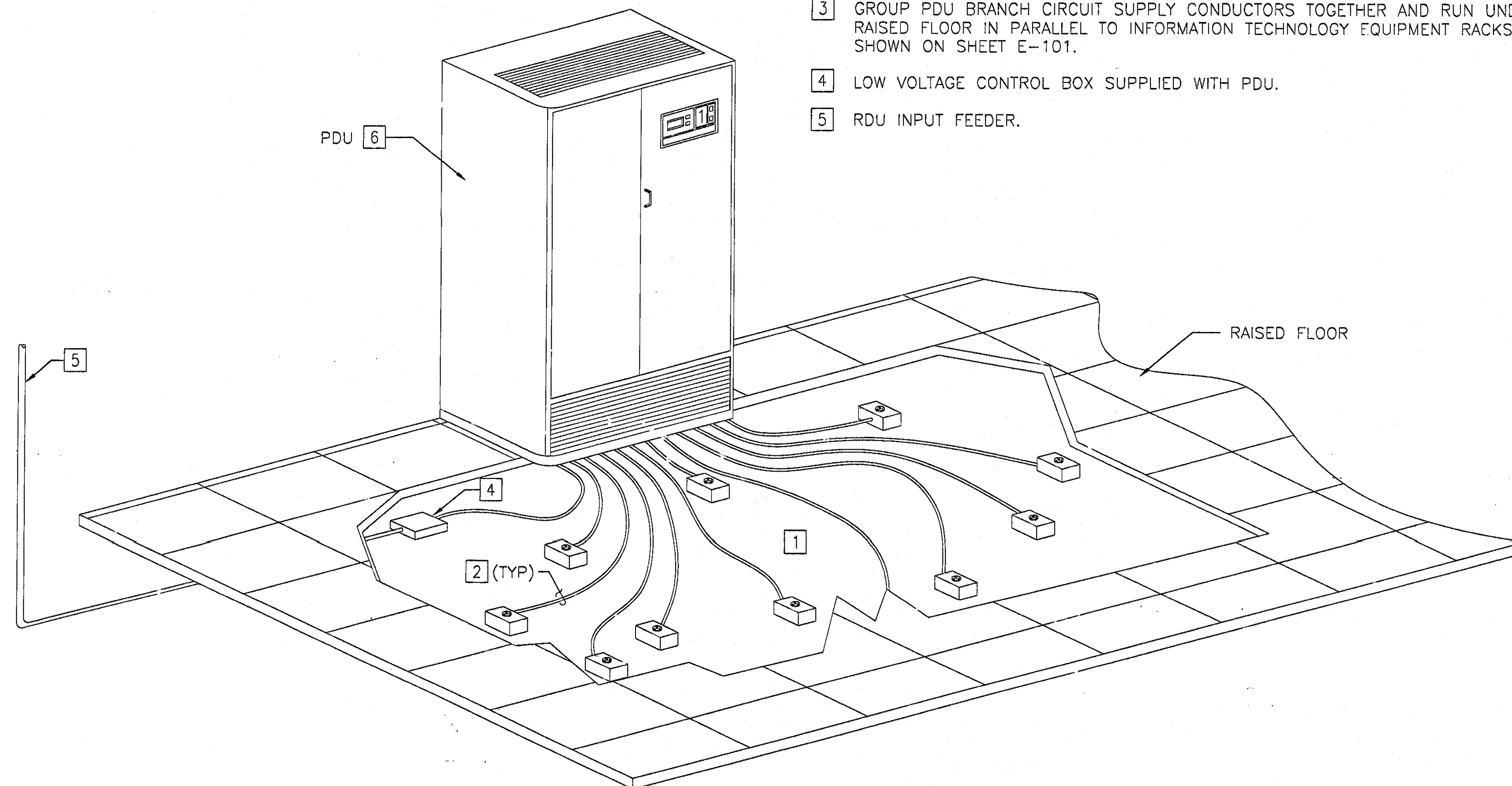






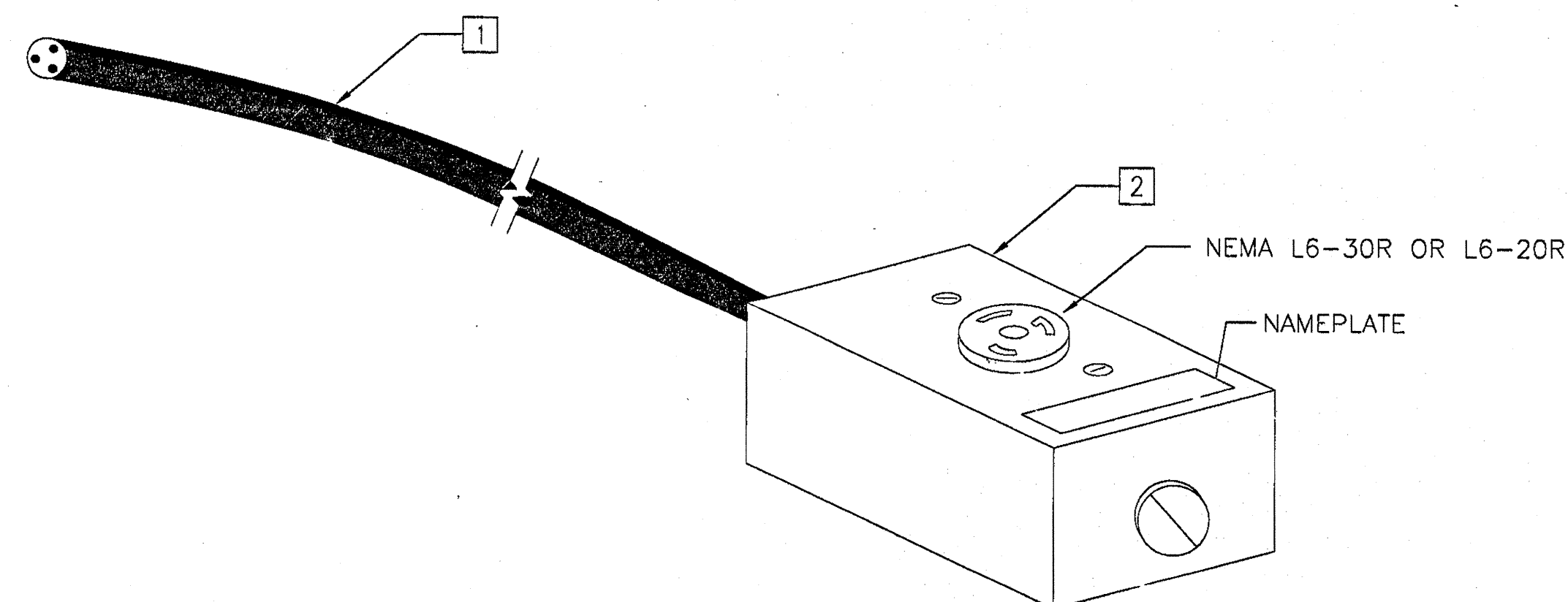


- 1 RAISED FLOOR SUPPORT IS NOT SHOWN.
- 2 SEE "TYPICAL PDU BRANCH CIRCUIT DETAIL", THIS SHEET.
- 3 GROUP PDU BRANCH CIRCUIT SUPPLY CONDUCTORS TOGETHER AND RUN UNDER RAISED FLOOR IN PARALLEL TO INFORMATION TECHNOLOGY EQUIPMENT RACKS AS SHOWN ON SHEET E-101.
- 4 LOW VOLTAGE CONTROL BOX SUPPLIED WITH PDU.
- 5 RDU INPUT FEEDER.

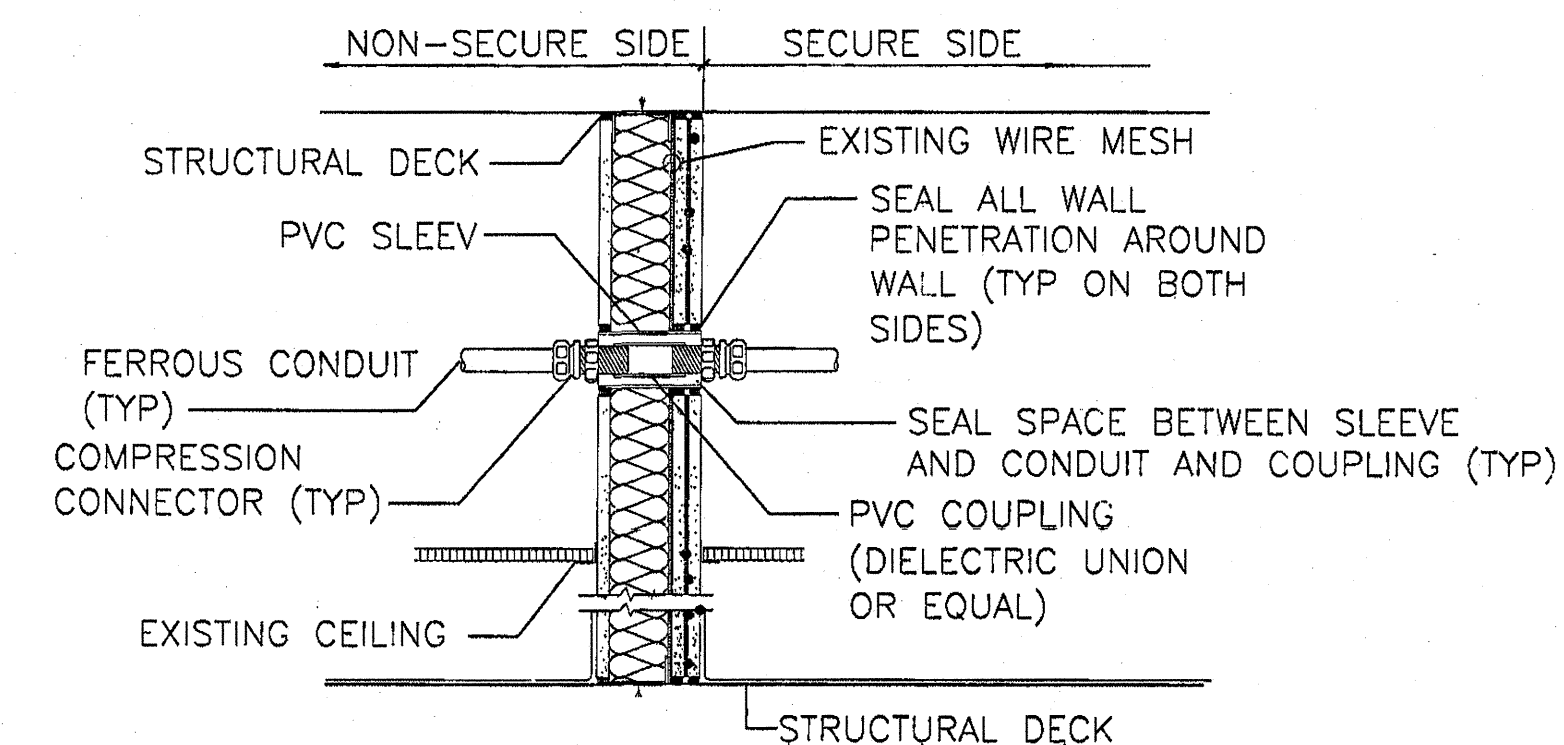
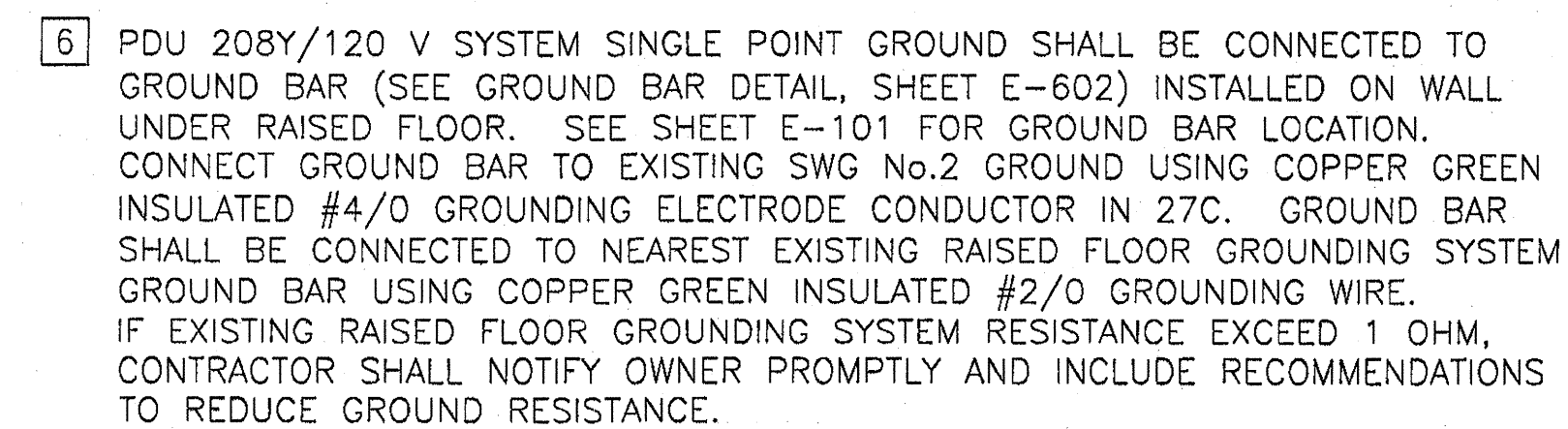


NO SCALE

1. UNDER RAISED FLOOR BRANCH CIRCUIT SUPPLY CABLES LISTED FOR INFORMATION TECHNOLOGY EQUIPMENT, OR SECURELY FASTEN IN PLACE BRANCH CIRCUIT SUPPLY CONDUCTORS IN RIGID METAL OR FLEXIBLE METAL CONDUIT. EQUIPMENT GROUNDING CONDUCTOR SHALL BE EQUAL IN SIZE TO PHASE CONDUCTORS.
2. RECEPTACLE LISTED FOR INFORMATION TECHNOLOGY EQUIPMENT, OR SECURELY FASTENED IN PLACE RECEPTACLE IN WP BOX.

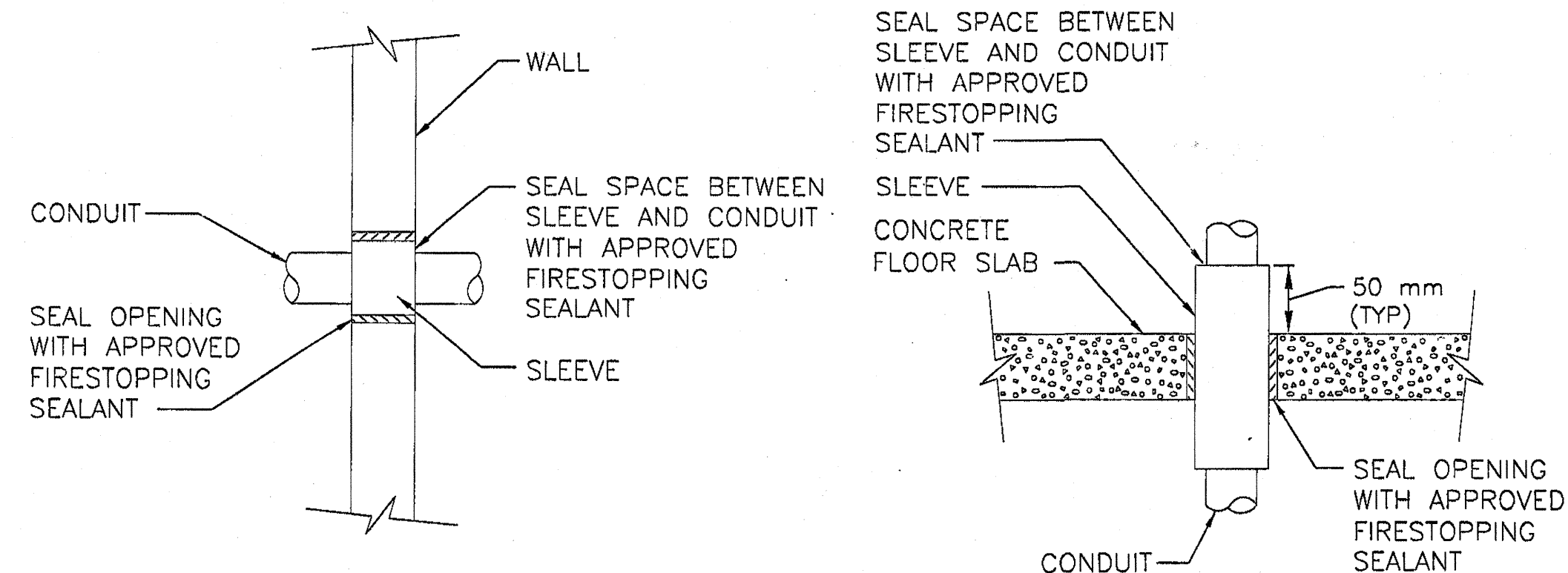


NO SCALE



NO SCALE

1. REFER TO SPEC SECTION 07841 "THROUGH-PENETRATION FIRESTOP SYSTEM" AND 16051 "COMMON WORK RESULTS FOR ELECTRICAL" FOR FIRESTOP PENETRATIONS REQUIREMENTS.



NO SCALE

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