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GENERAL NOTES

1. CONTRACTOR MUST VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE BEGINNING ANY FABRICATION OR CONSTRUCTION.
2. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES, VA STANDARDS AND SPECIFICATIONS.
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4. COORDINATE INSTALLATION OF EQUIPMENT AND MATERIALS WITH OTHER TRADES. DO NOT ROUTE CONDENSATE PIPING OVER ELECTRICAL PANELS OR ELECTRONIC EQUIPMENT.
5. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND OWNER PRIOR TO ANY CUTTING OF WALLS AND ROOF.
6. IF FLOOR OR RATED WALL PENETRATIONS CANNOT BE FIRE STOPPED AT THE END OF THE WORK SHIFT, TEMPORARY FIRESTOPPING COMPOSED OF MINERAL WOOL SHALL BE INSTALLED IN THE PENETRATION TO PROVIDE PROTECTION AGAINST FIRE/SMOKE SPREAD THROUGH THE UNSEALED PENETRATION.

DEMOLITION GENERAL NOTES

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5. REMOVE AND DISPOSE OF EXISTING MECHANICAL EQUIPMENT AS SHOWN, UNLESS NOTED OTHERWISE. COORDINATE WITH ARCHITECTURAL PLANS. AREAS OF DEMOLITION AROUND, ADJACENT, OR CONNECTED TO EXISTING MECHANICAL EQUIPMENT THAT IS TO REMAIN.

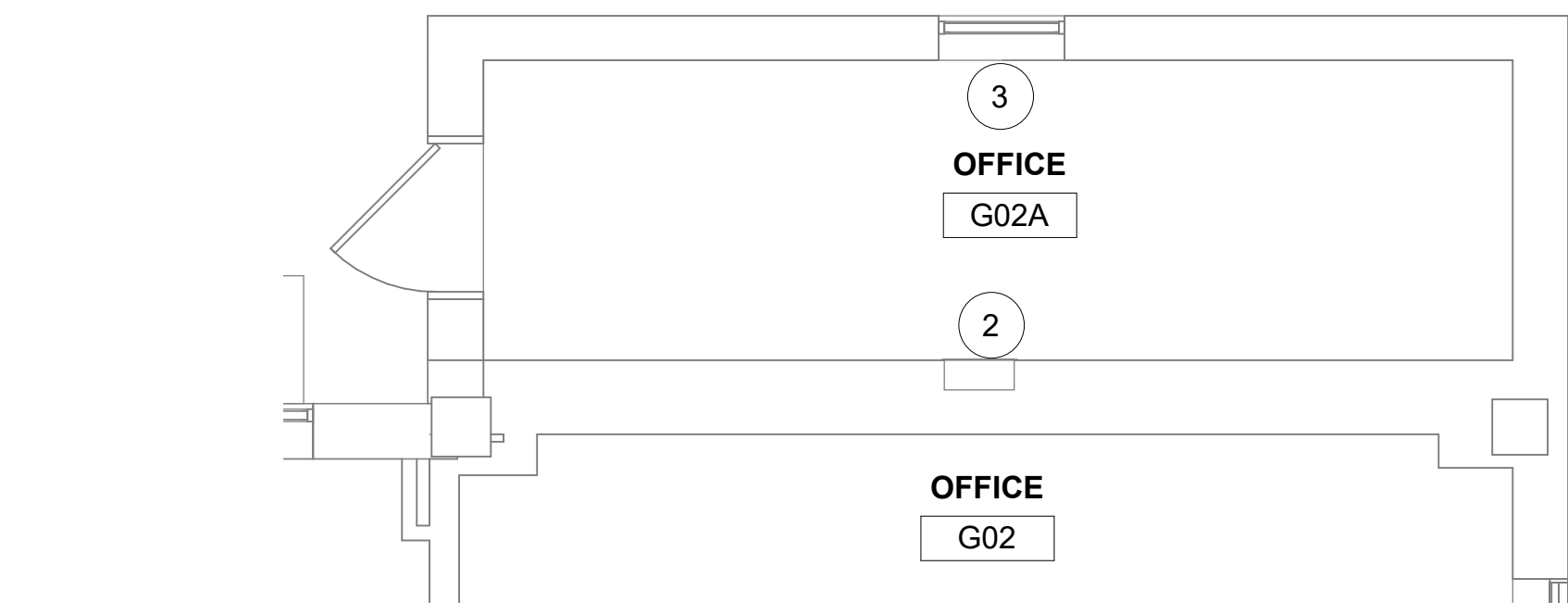
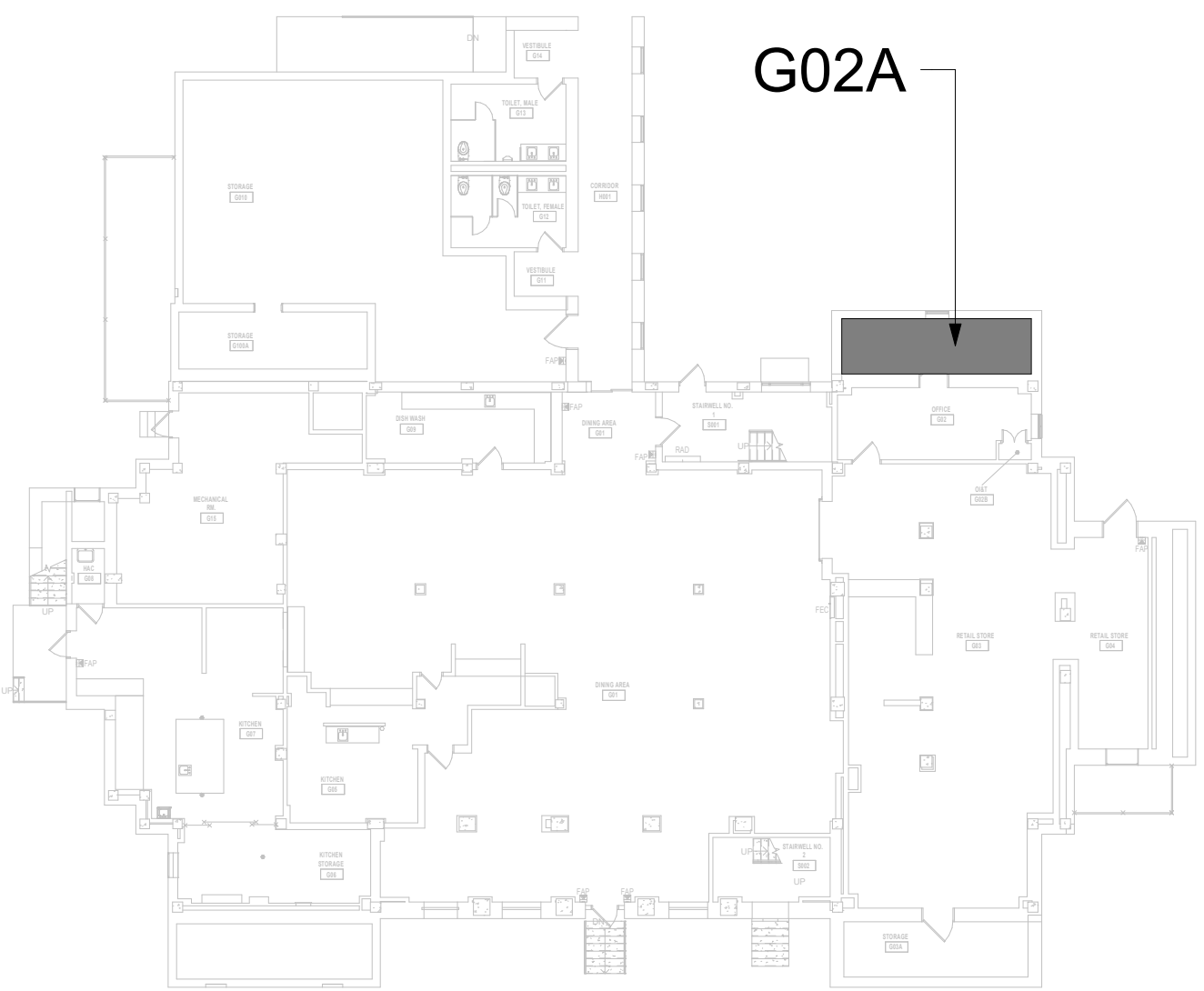
FIRE PROTECTION NOTES

1. ALL TELECOM ROOMS TO HAVE EXISTING QUICK RESPONSE SPRINKLERS REPLACED WITH STANDARD RESPONSE SPRINKLERS.
2. ROOMS THAT DON'T HAVE CEILINGS (EXPOSED TO STRUCTURE) SHALL HAVE THE BRANCH PIPING MODIFIED TO TURN THE SPRINKLER UPRIGHT. PROVIDE SPRINKLER PROTECTION CAGE.
3. ROOMS WITH FINISHED CEILINGS SHALL HAVE SPRINKLER LOCATIONS ADJUSTED AS NEEDED FOR APPROPRIATE COVERAGE PER LATEST EDITION OF NFPA 13.
4. TELECOM ROOMS CONSIDERED LIGHT HAZARD FOR SPRINKLER HEAD DENSITY. SPRINKLER HEADS MUST BE REPLACED AT THE SAME TIME AS THE CEILING IS DEMOLISHED.

KEYNOTES

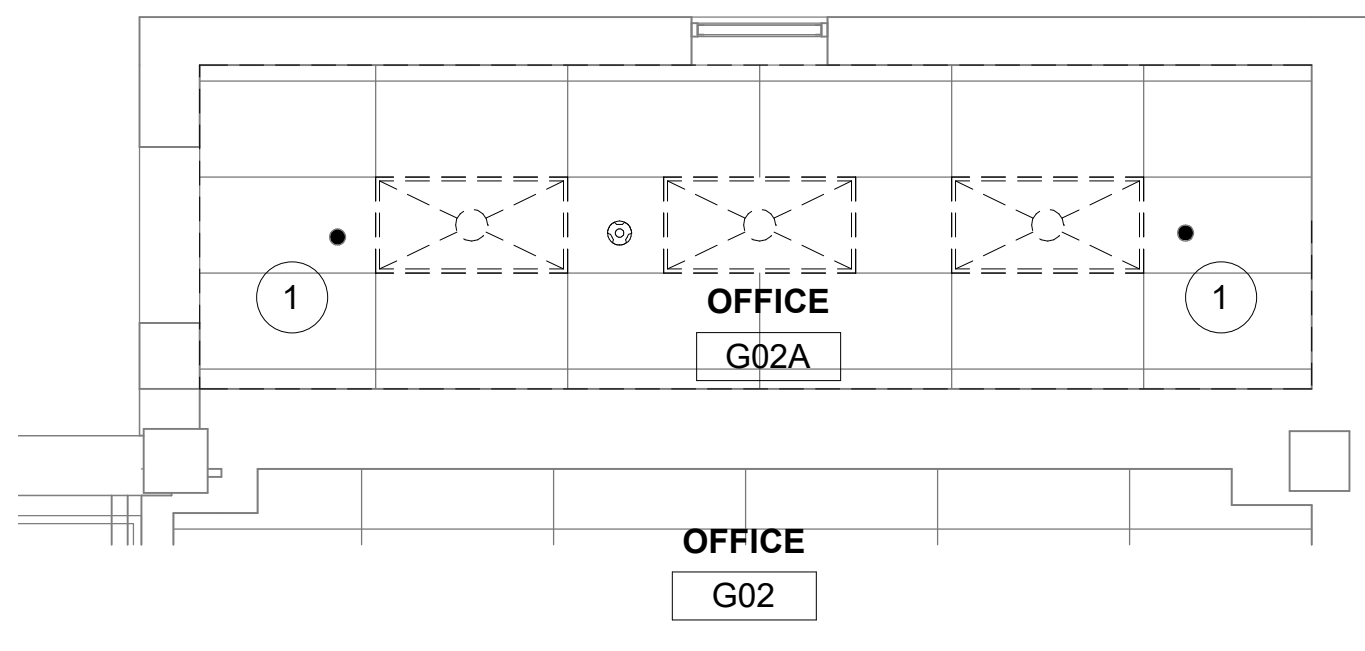
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8. REFER TO M-501 FOR CONDENSING UNIT GROUND MOUNT SUPPORT DETAIL.
9. REFER TO M-502 FOR PIPE THRU WALL DETAIL.
10. REFER TO M-502 FOR PIPE THRU FLOOR DETAIL.

KEY PLAN



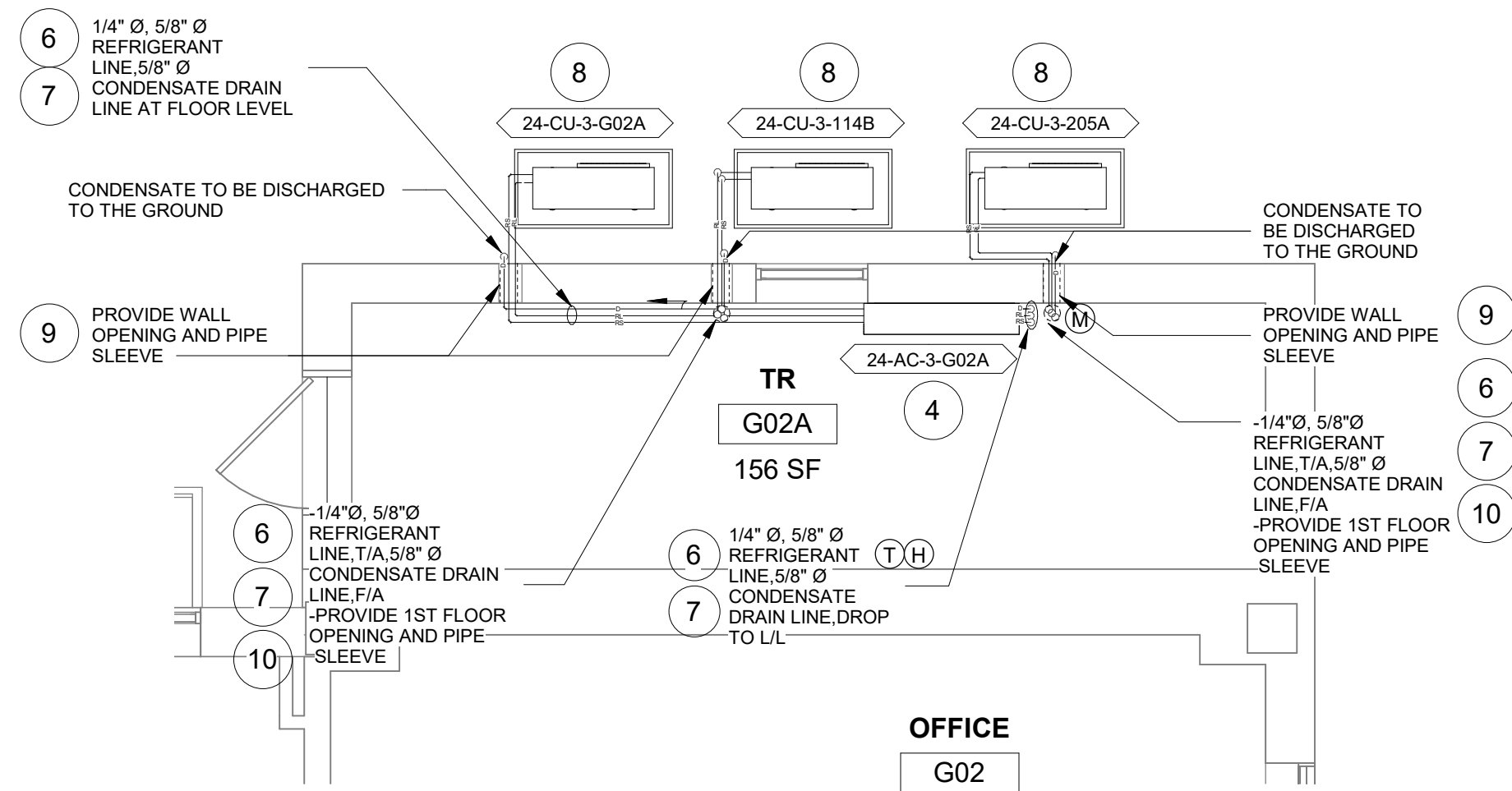
1 RM G02A - DEMO FLOOR PLAN

1/4" = 1'-0"



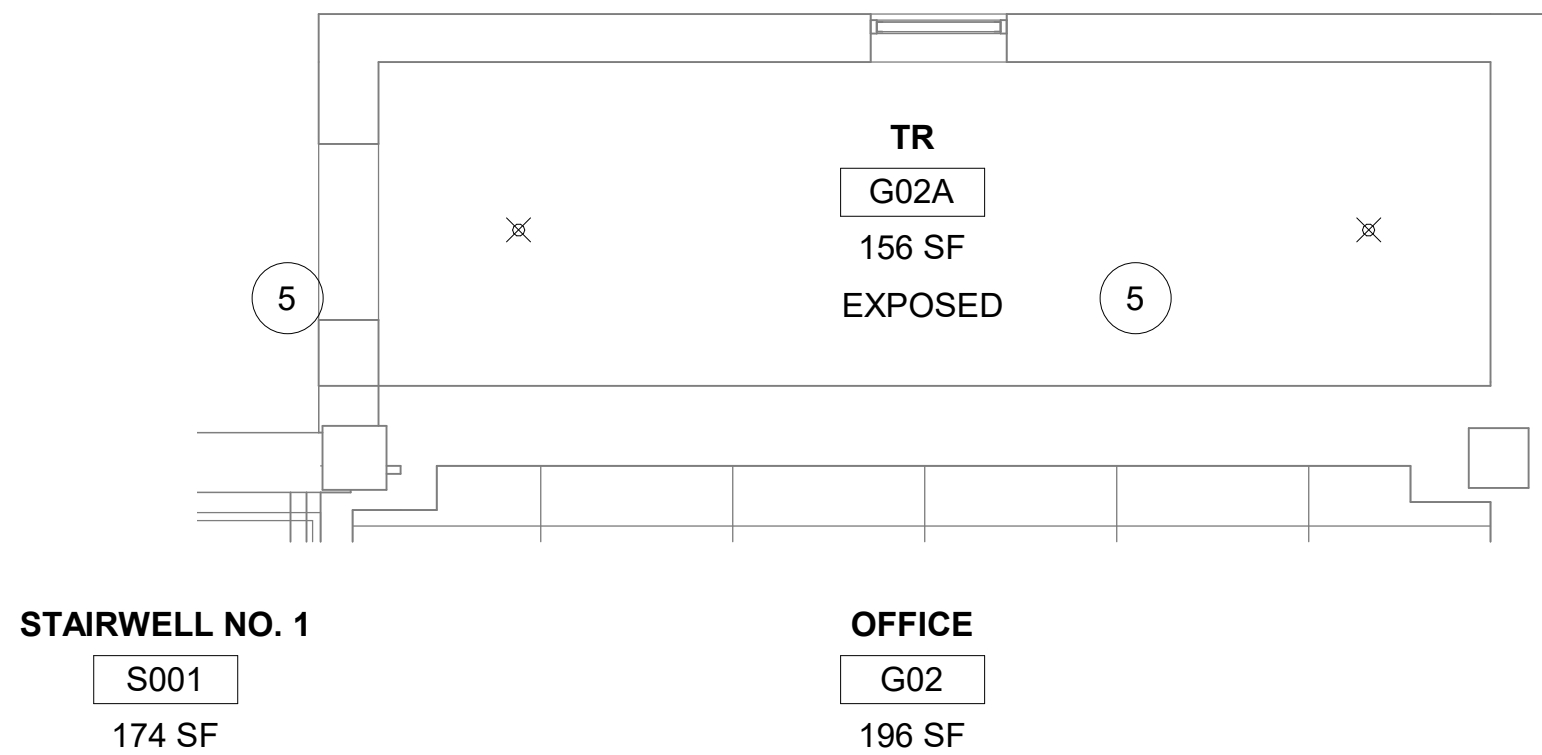
2 RM G02A - DEMO RCP

1/4" = 1'-0"



3 RM G02A - FLOOR PLAN

1/4" = 1'-0"



4 RM G02A - RCP

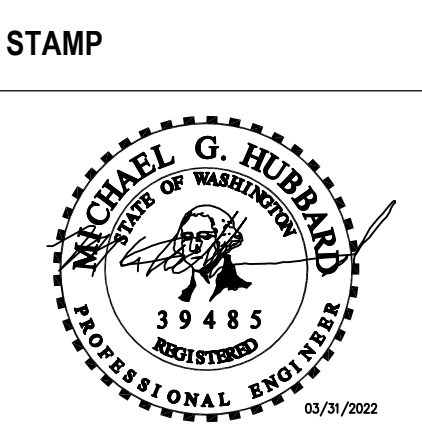
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Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
SPEES DESIGN BUILD
625 1ST AVE, STE 301
SEATTLE, WA 98104
(206) 590-2118
RAY SPEES



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

Drawing Title
BLDG. 24 - FLOOR 0 - DEMO,
FLOOR PLANS & RCP

Approved:

Phase
CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

Checked
MGH

Drawn
MM/OBJ/JCY

Project Number
657-21-701JB

Building Number
24

Drawing Number
24M-100

93 OF 435

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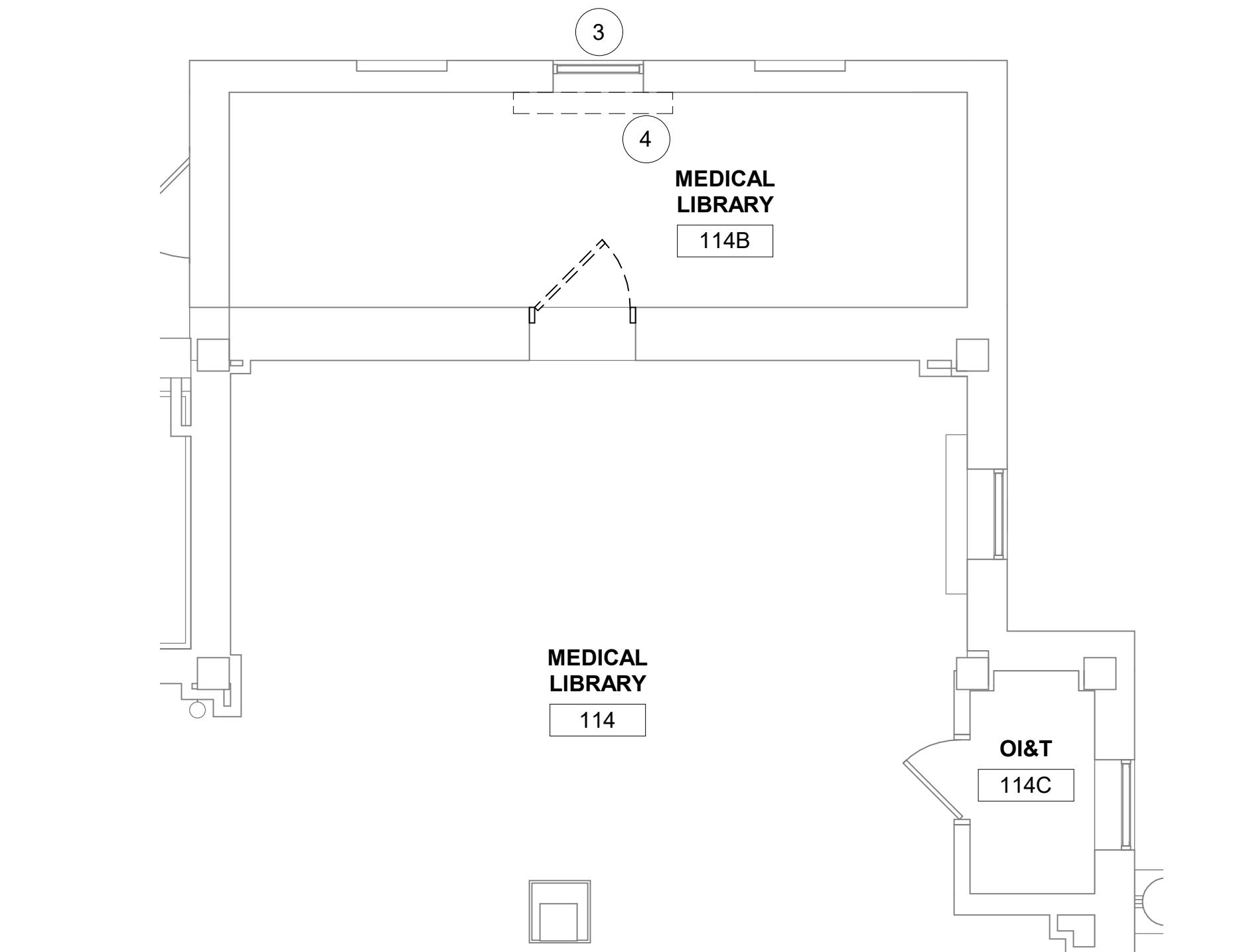
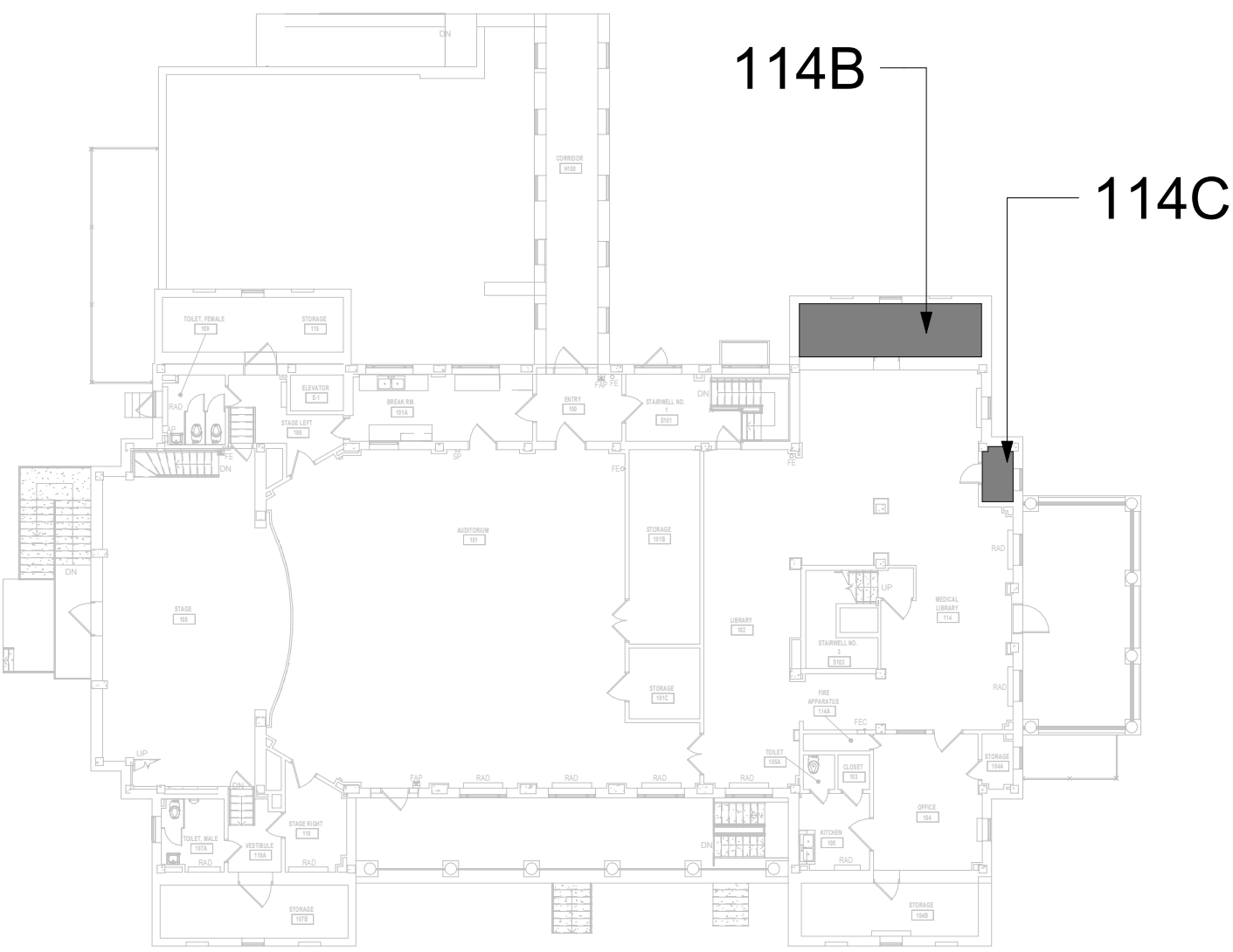
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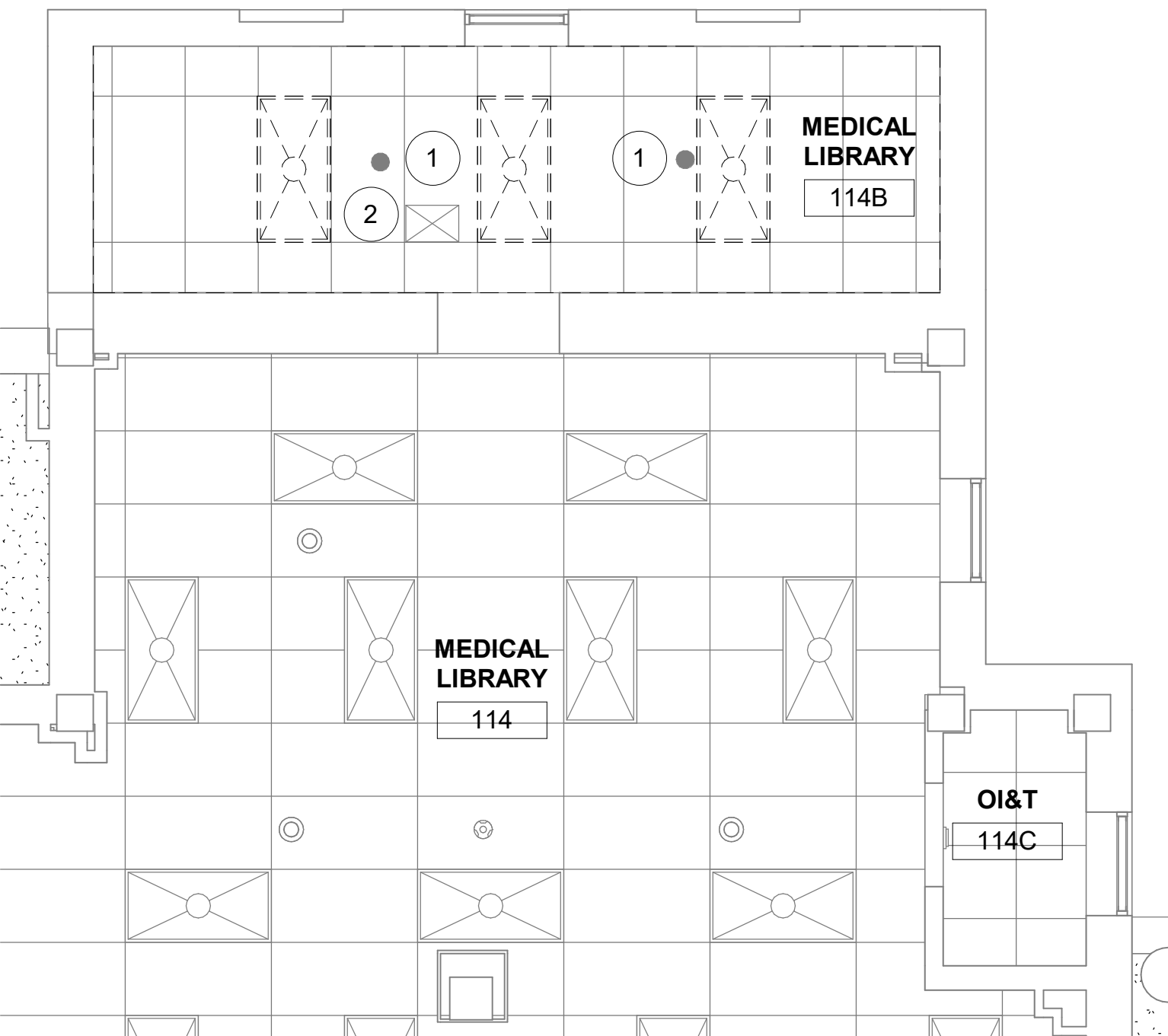
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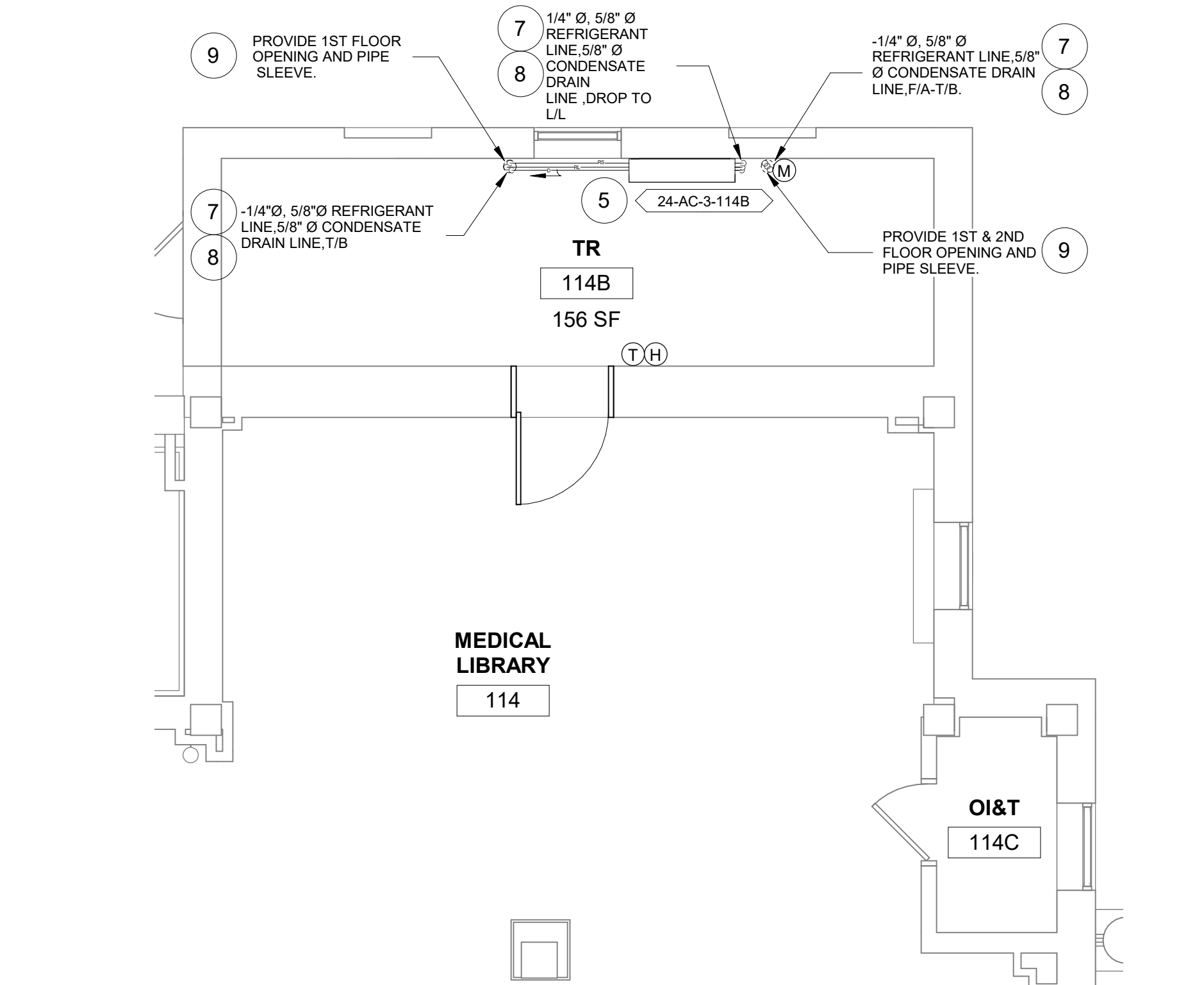
KEY PLAN



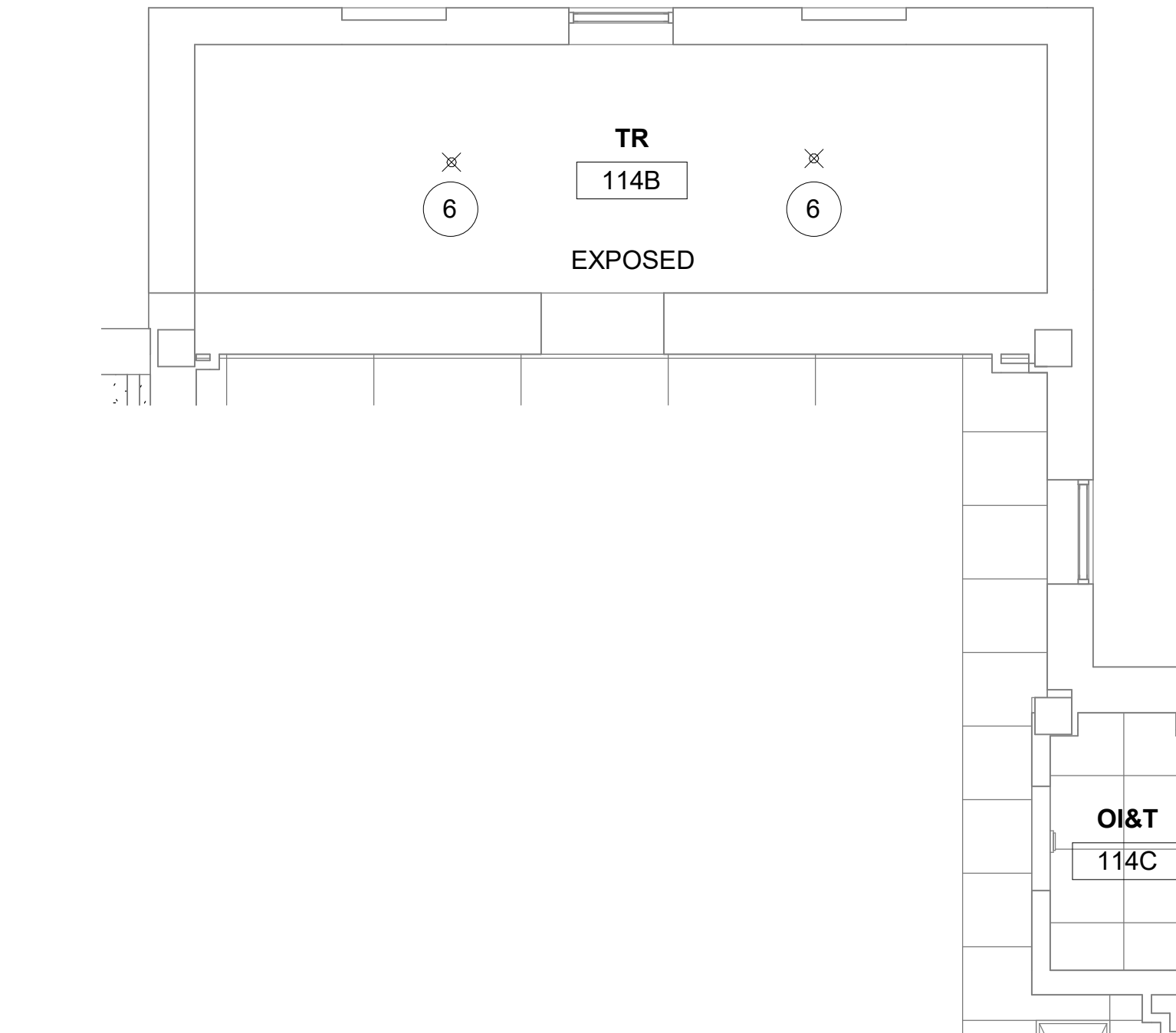
1 RM 114B & 114C - DEMO FLOOR PLAN
1/4" = 1'-0"



2 RM 114B & 114C - DEMO RCP
1/4" = 1'-0"



3 RM 114B & 114C - FLOOR PLAN
1/4" = 1'-0"

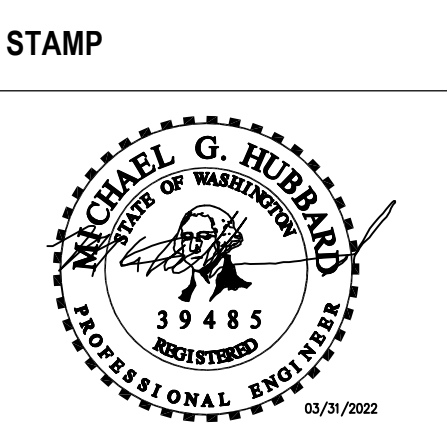


4 RM 114B & 114C -RCP
1/4" = 1'-0"

Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
SPEES DESIGN BUILD
625 1ST AVE, STE 301
SEATTLE, WA 98104
(206) 590-2118
RAY SPEES



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

Drawing Title
BLDG. 24 - FLOOR 1 - DEMO,
FLOOR PLANS & RCP

Approved:

Phase
CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

Checked
MGH

Drawn
MM/OBJ/JCY

Project Number
657-21-701JB

Building Number
24

Drawing Number
24M-101

94 OF 435

A

B

C

D

E

F

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B

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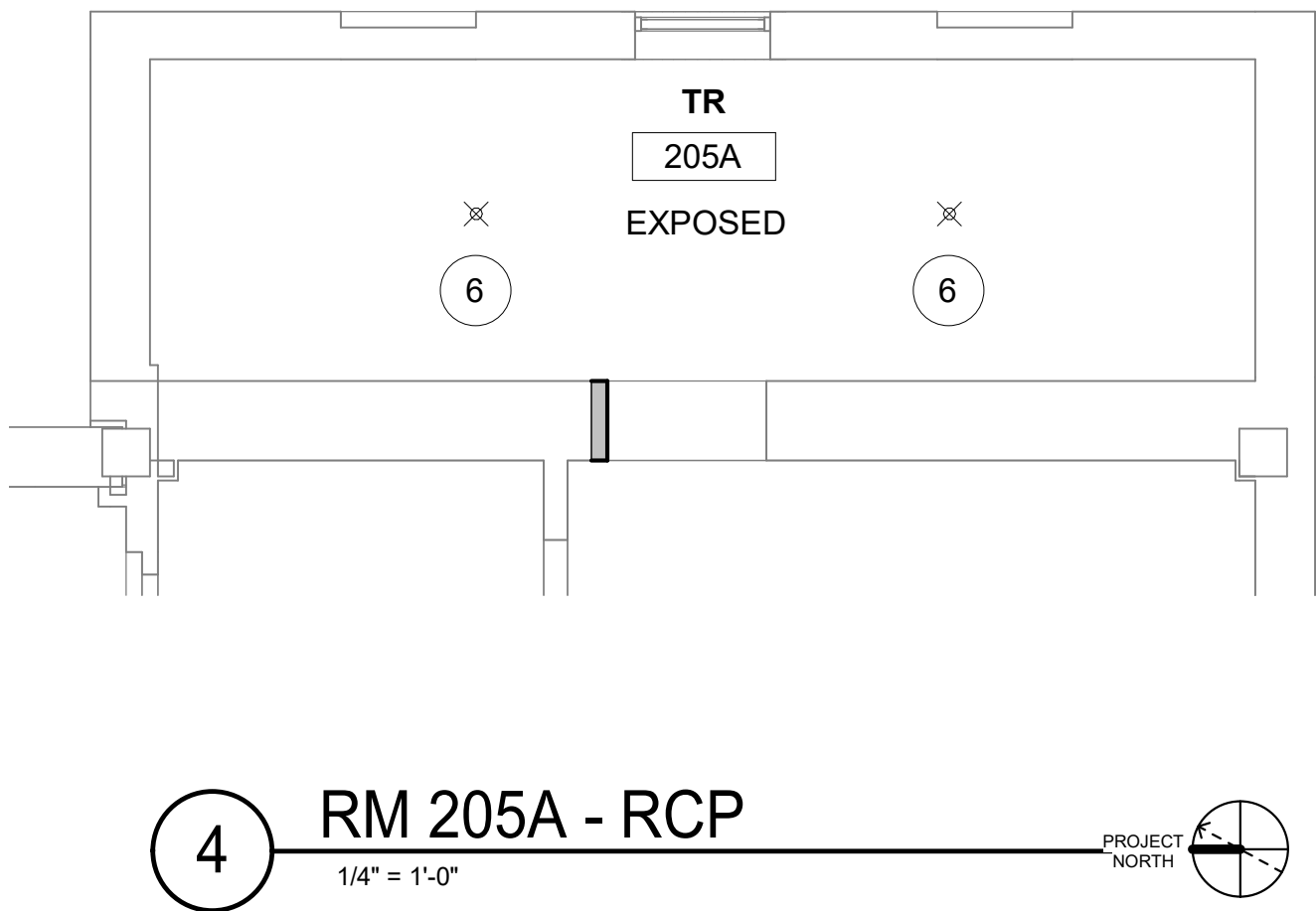
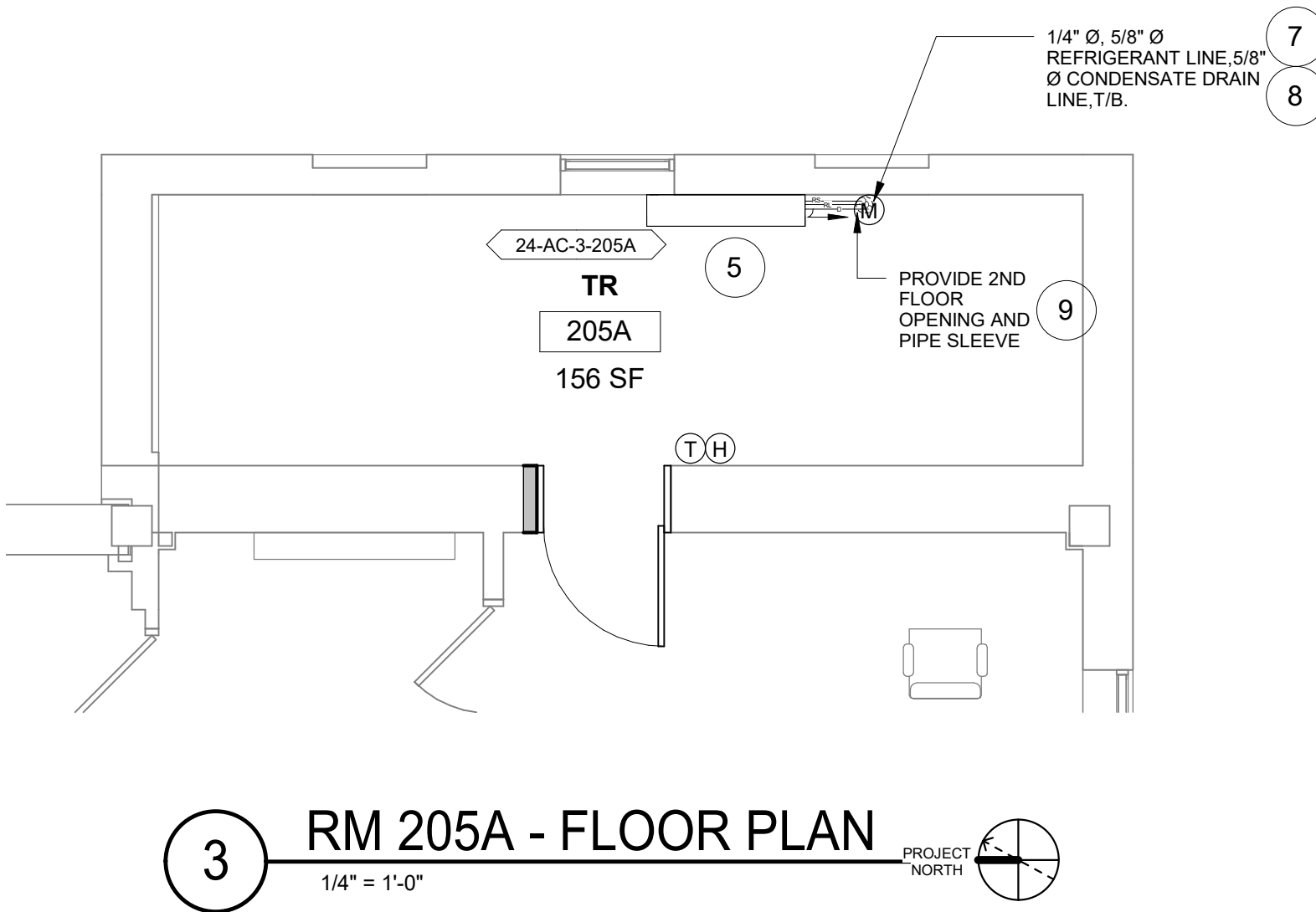
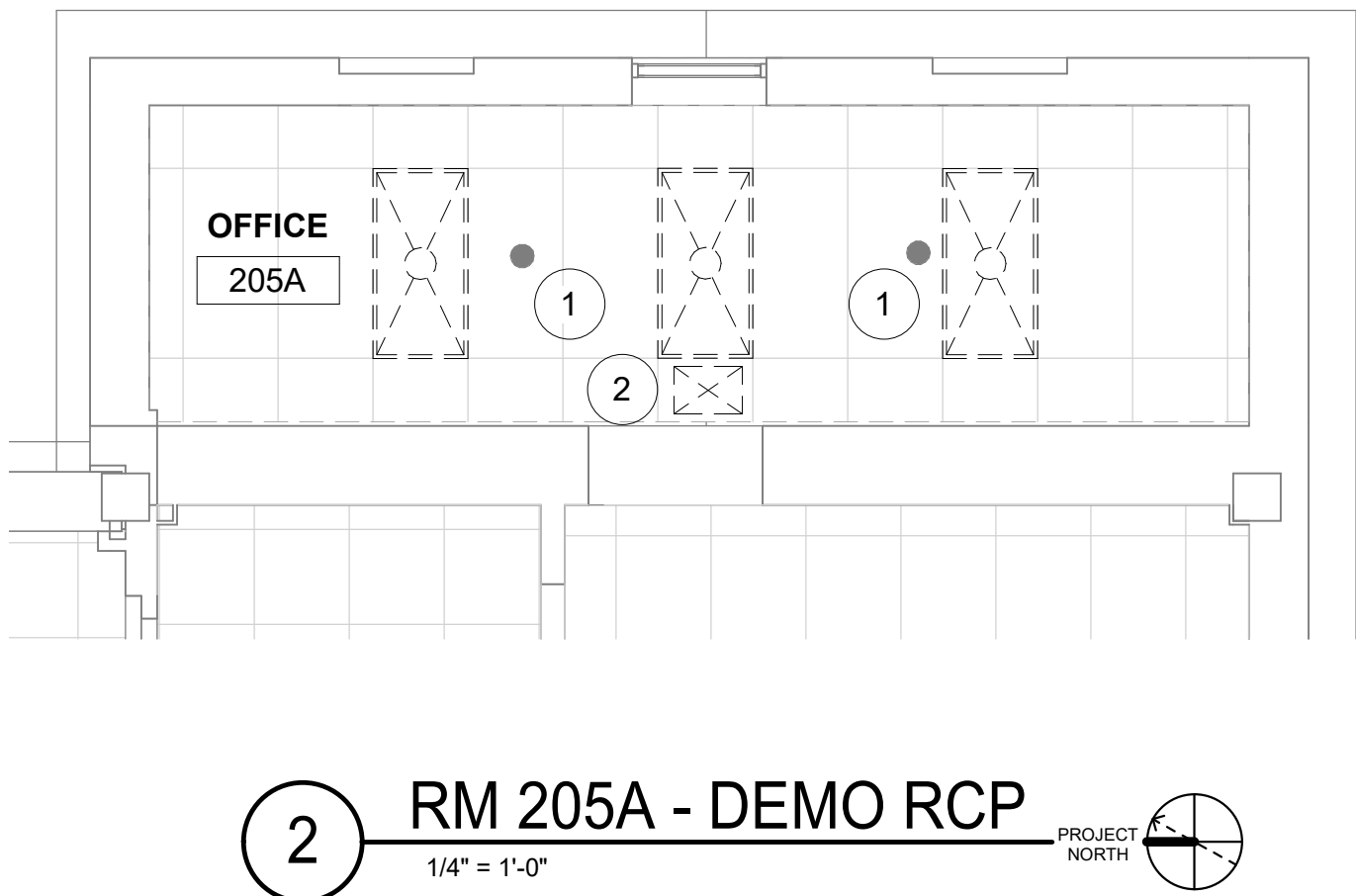
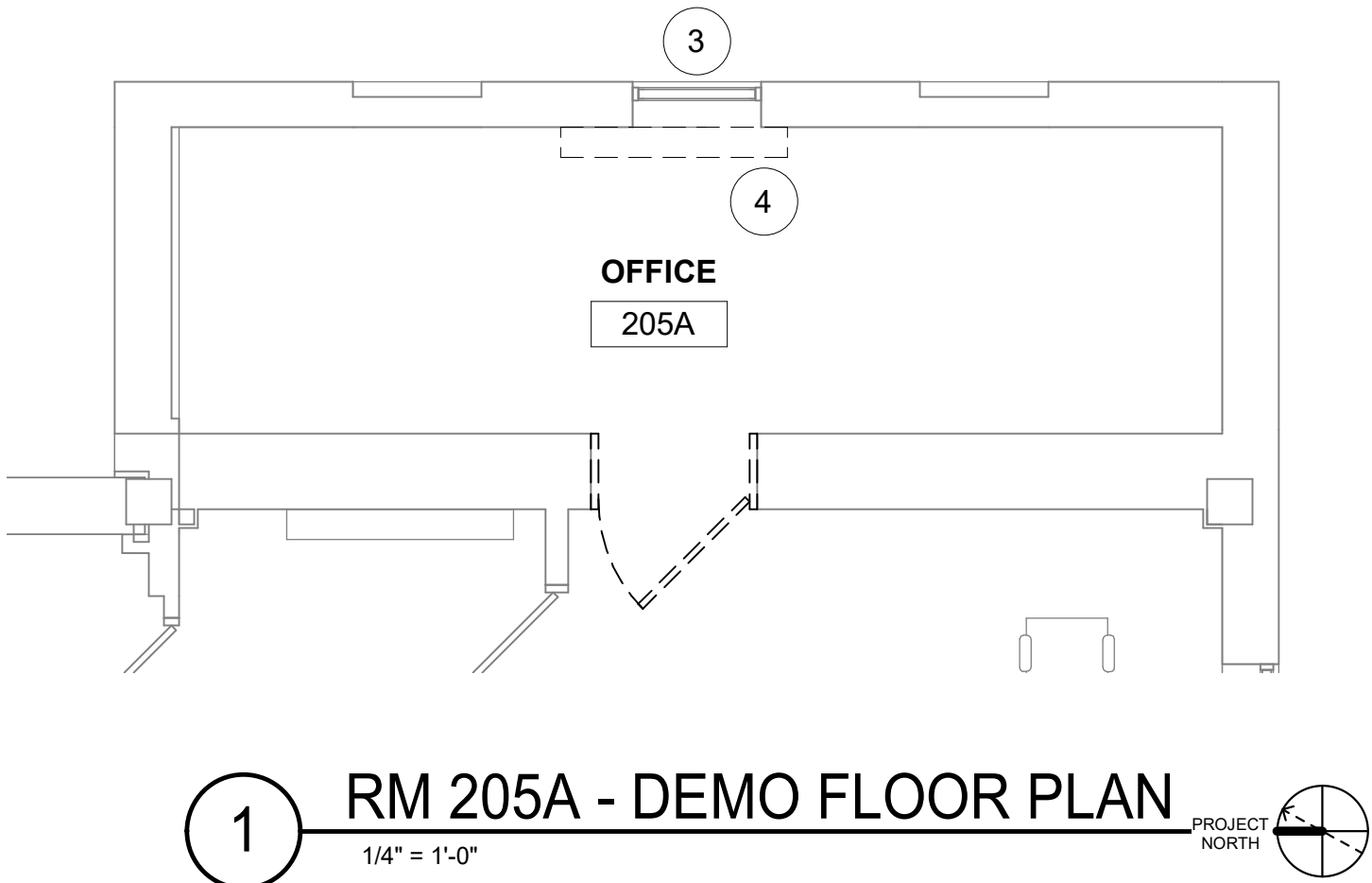
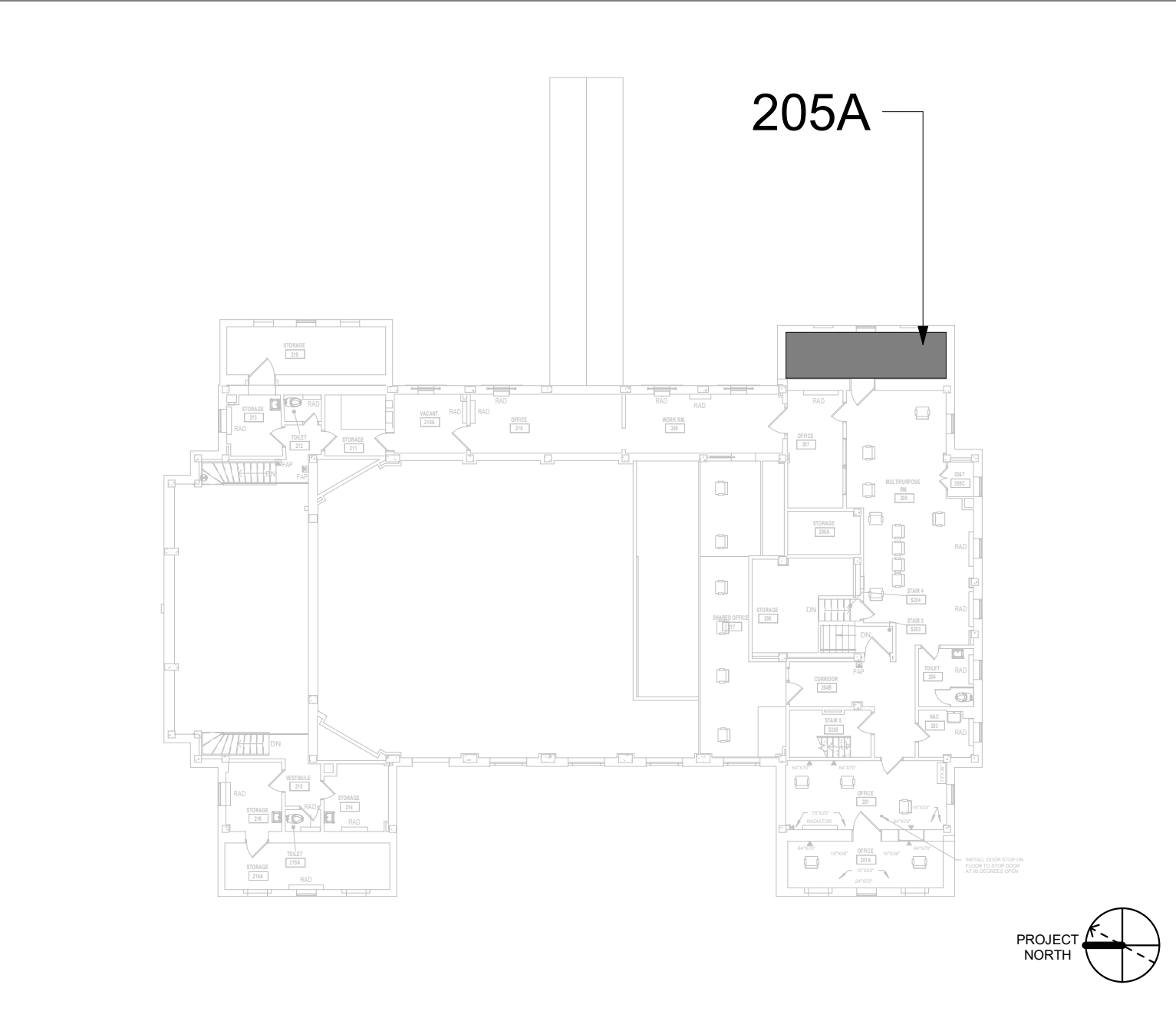
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KEY PLAN



Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES

STAMP

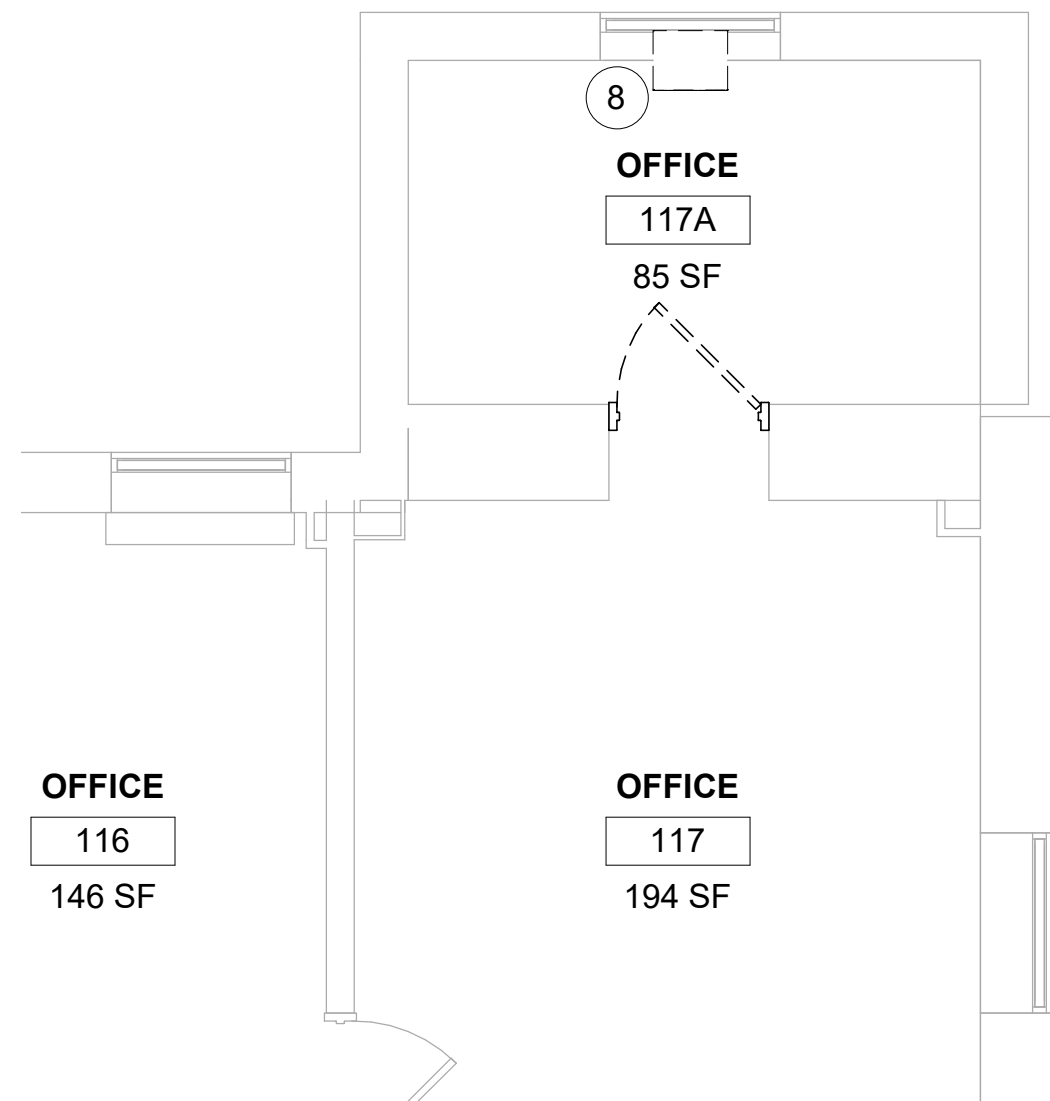
Office of Construction and Facilities Management
U.S. Department of Veterans Affairs

Drawing Title
BLDG. 24 - FLOOR 2 - DEMO, FLOOR PLANS & RCP
Approved:

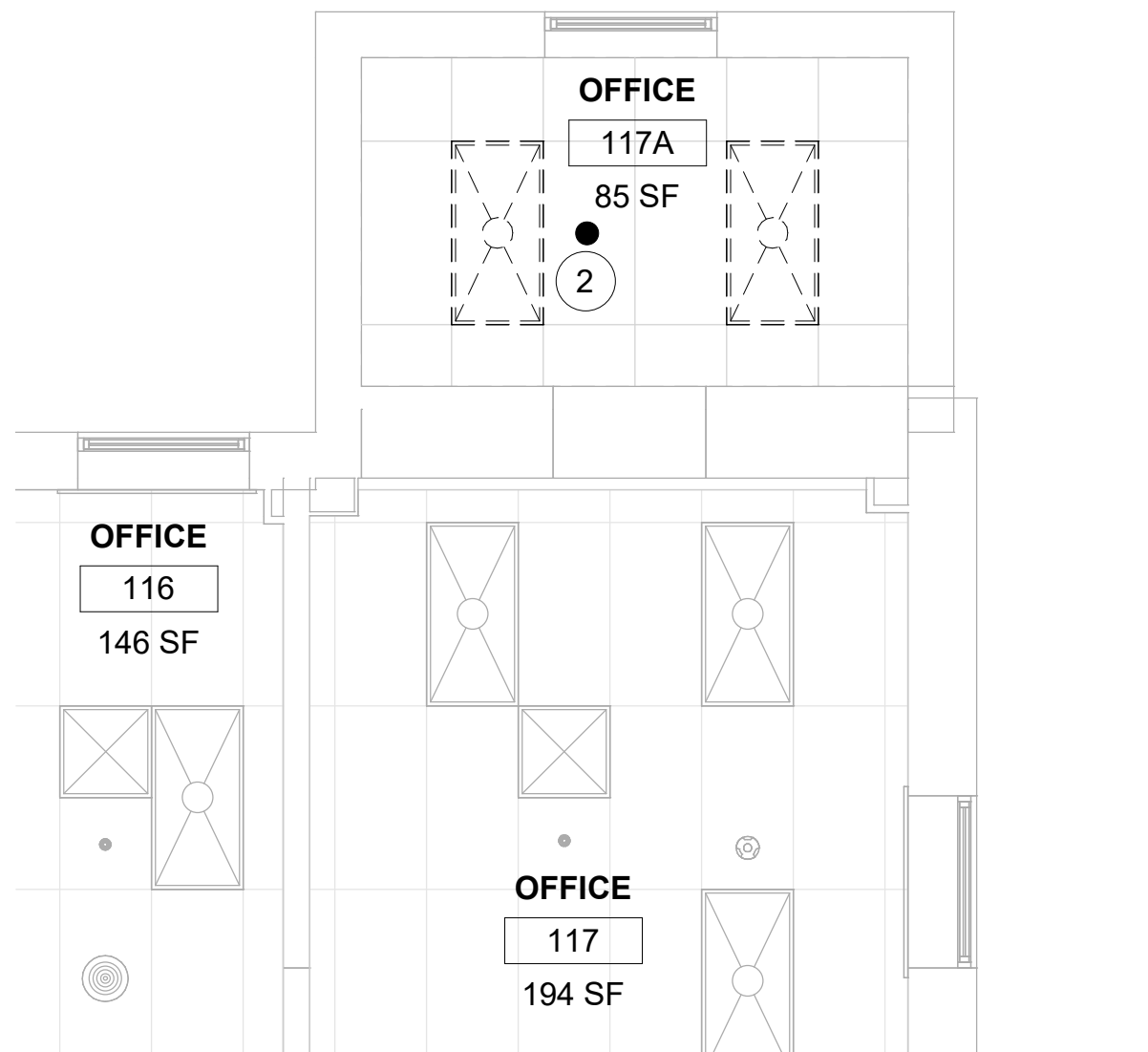
Phase
CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE UPGRADES
Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO
Issue Date
03/31/2022
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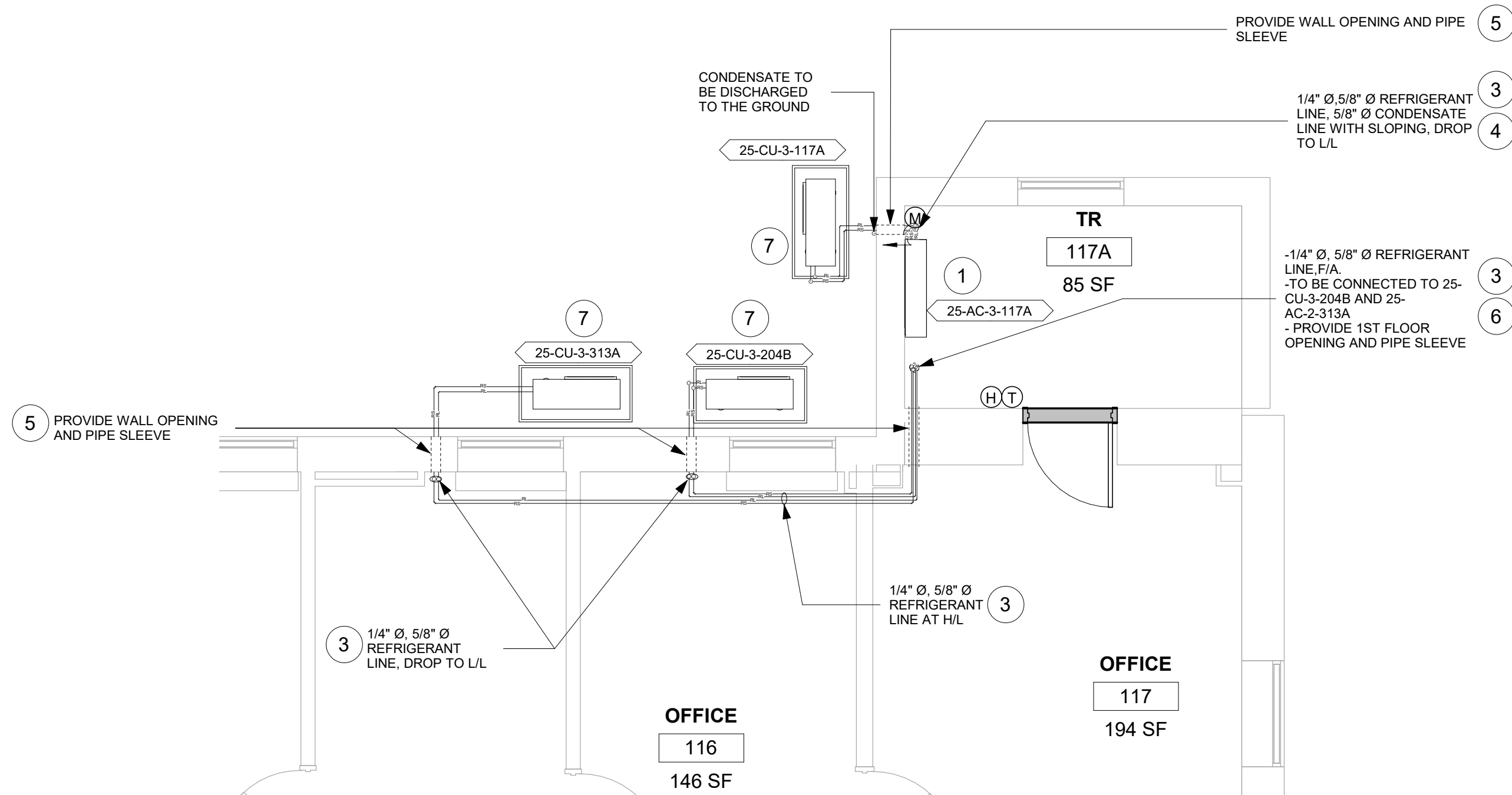
Project Number
657-21-701JB
Building Number
24
Drawing Number
24M-102
95 OF 435



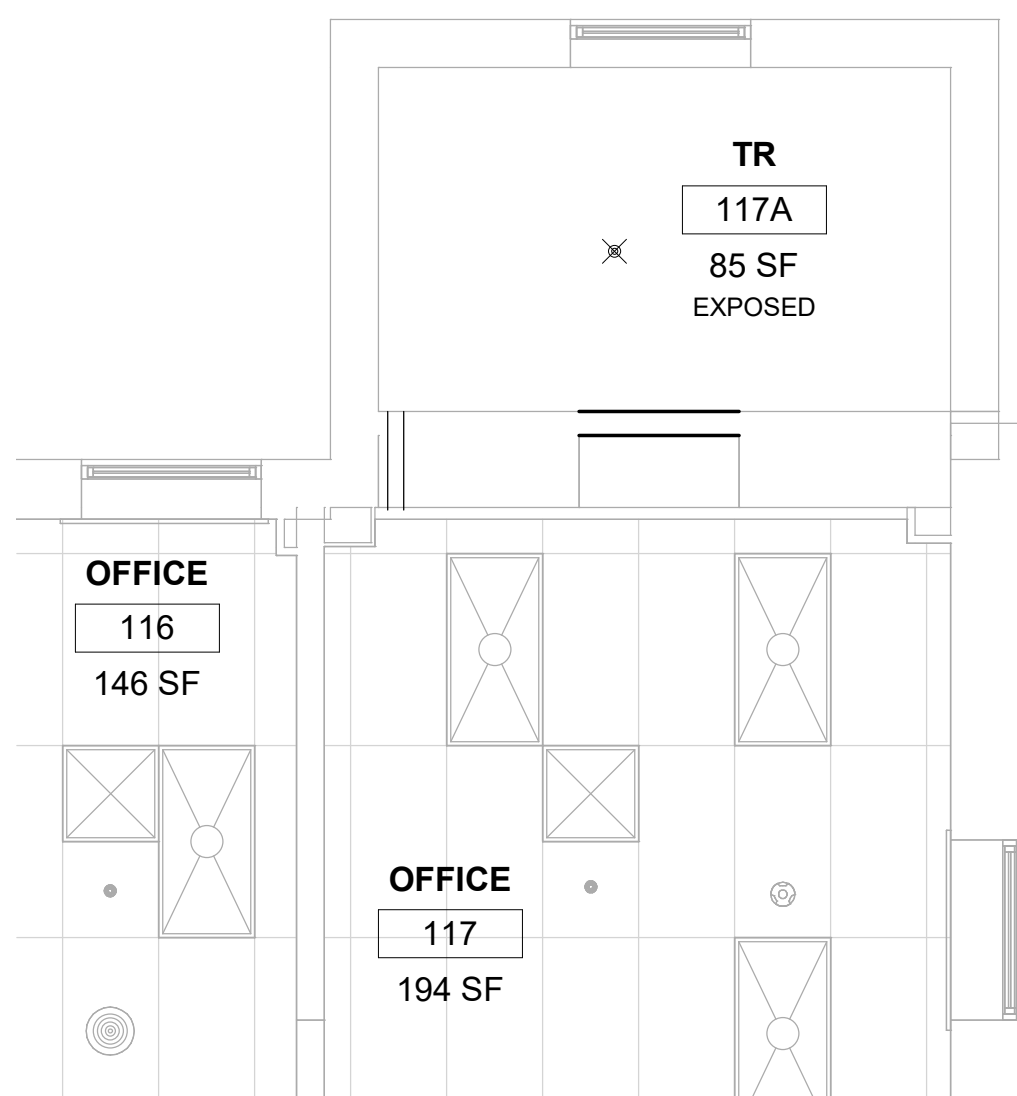
1 RM 117A - DEMO FLOOR PLAN
1/4" = 1'-0"



3 RM 117A - DEMO RCP
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2 RM 117A - FLOOR PLAN
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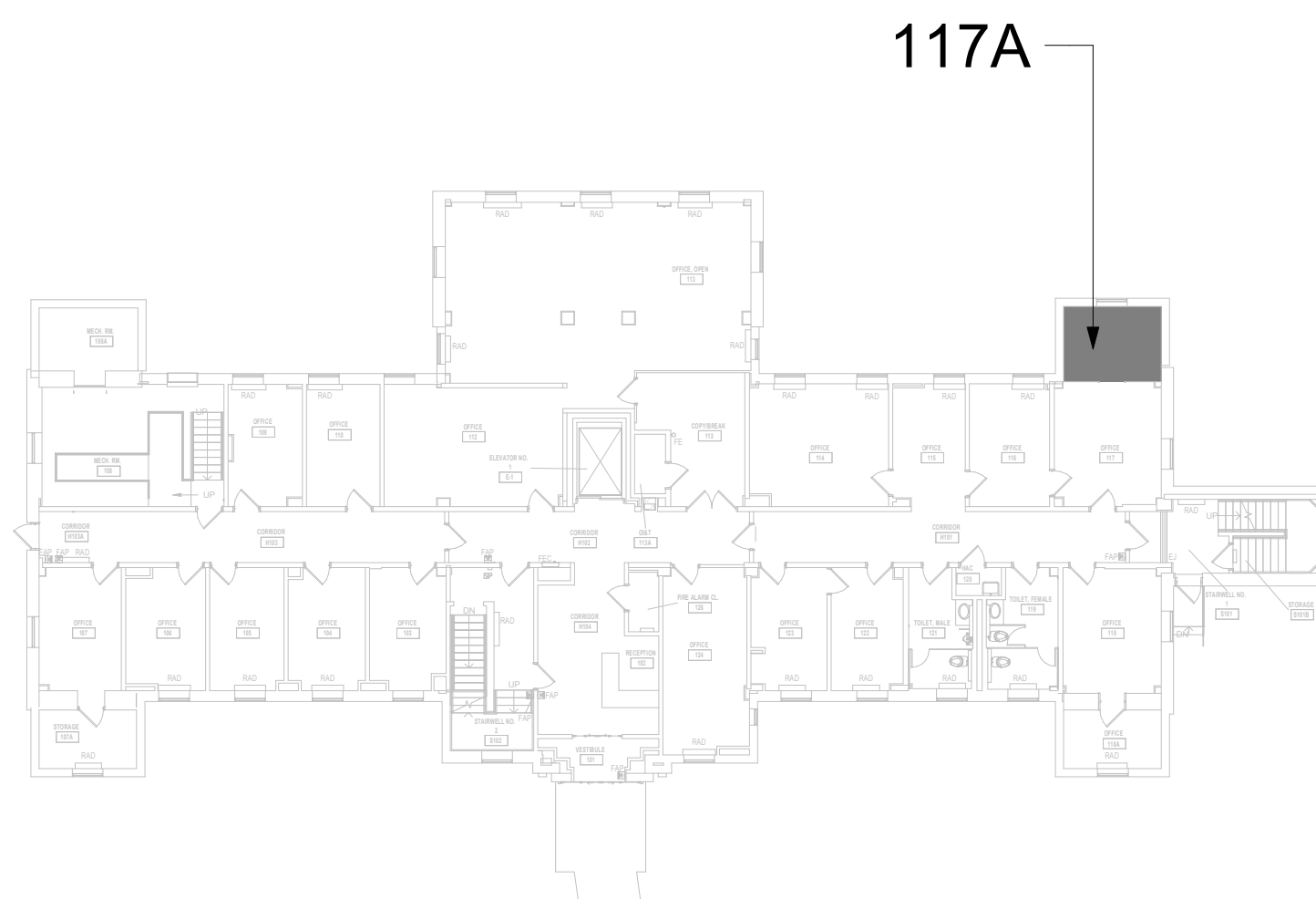
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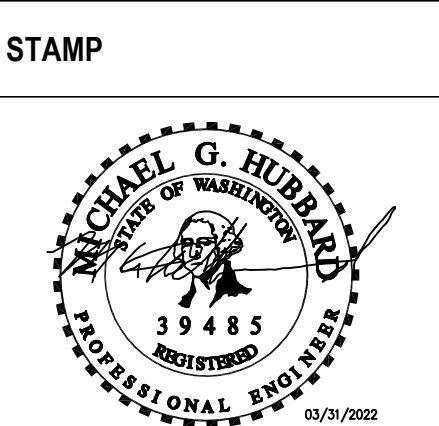
KEY PLAN



Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

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A/E:
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Office of
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Management
U.S. Department
of Veterans Affairs

Drawing Title
BLDG 25 - FLOOR 1 - DEMO,
FLOOR PLANS & RCPS

Approved:

Phase
CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE
UPGRADES

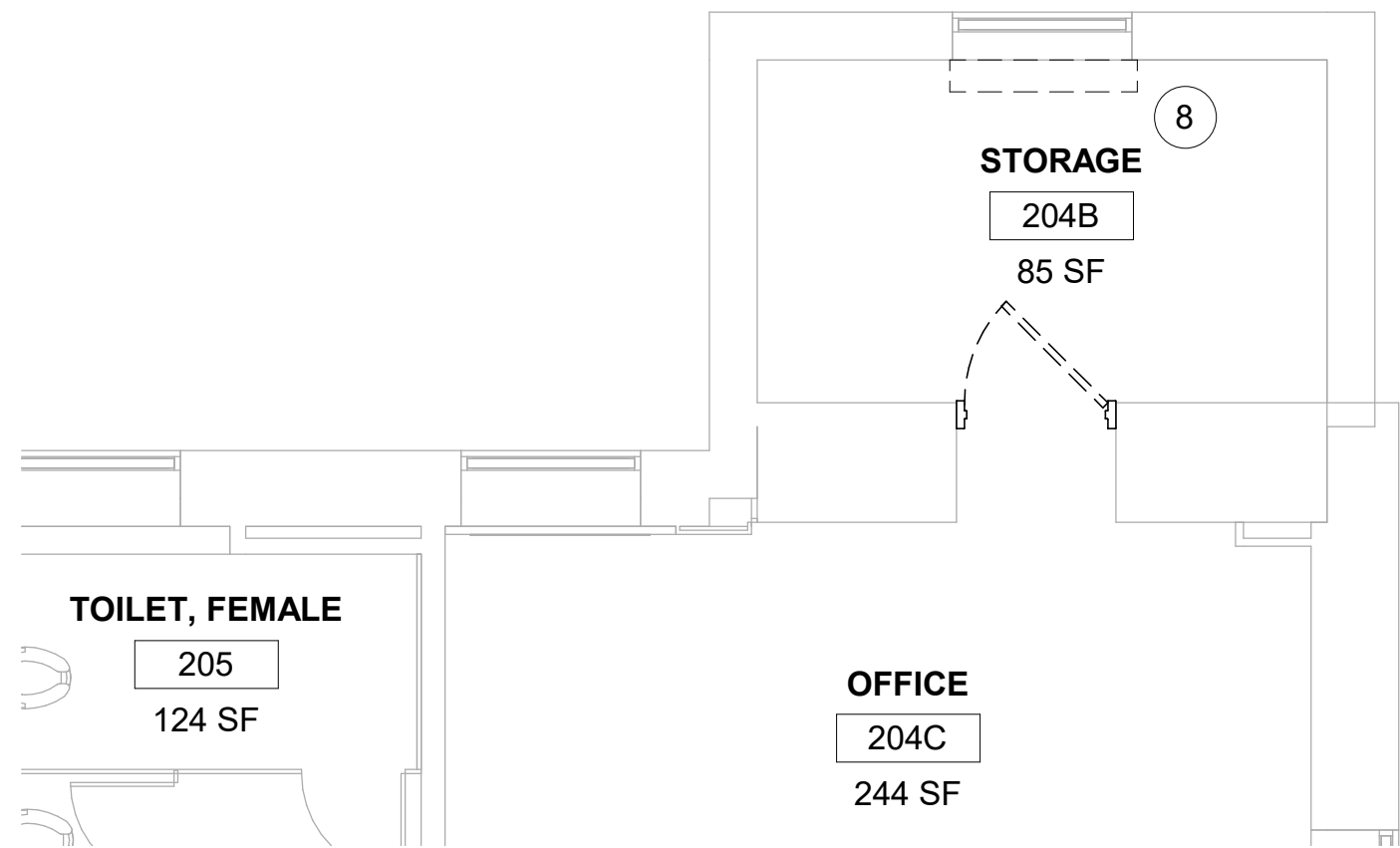
Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

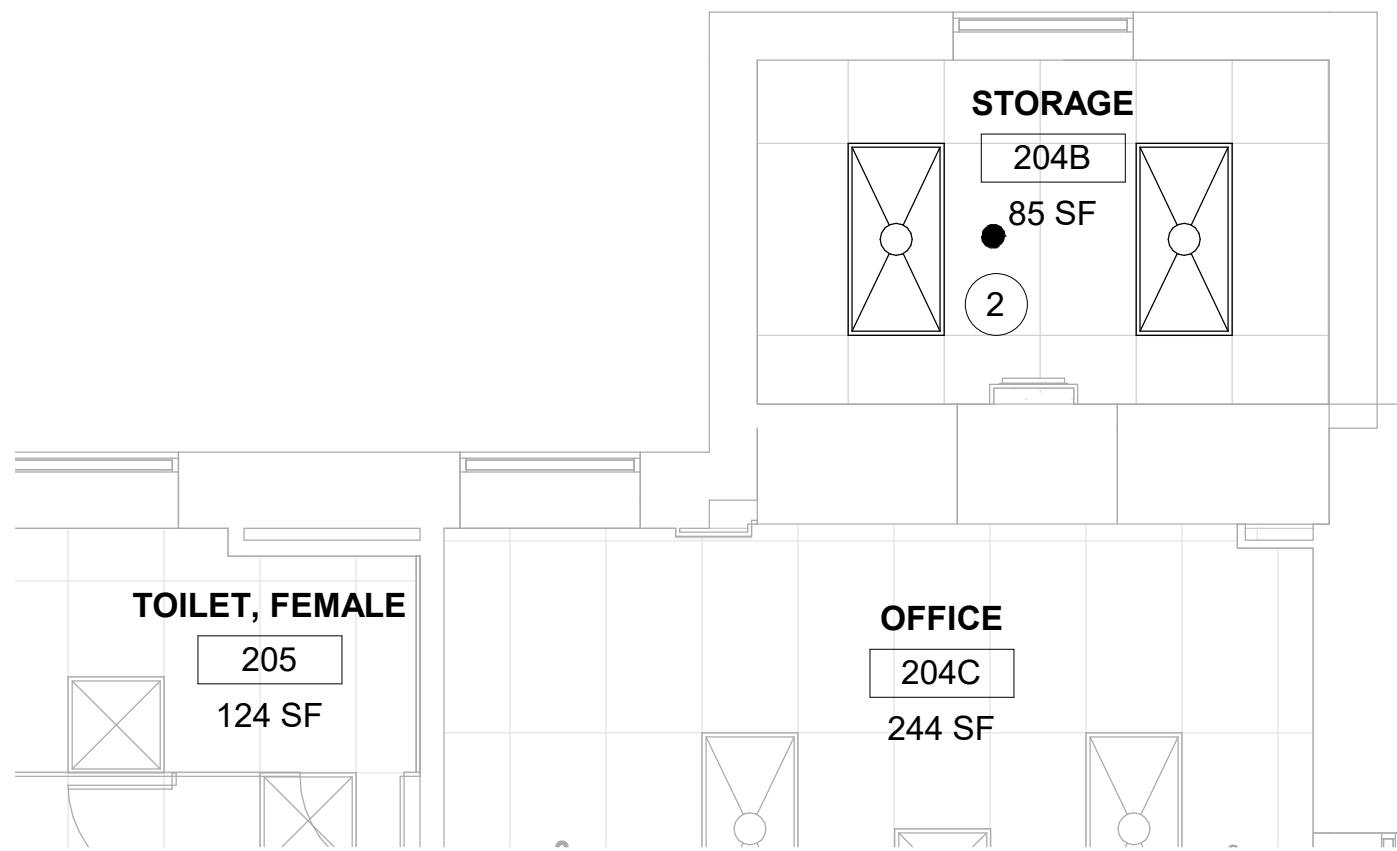
Checked
MGH

Drawn
MM/OBJ/JCY

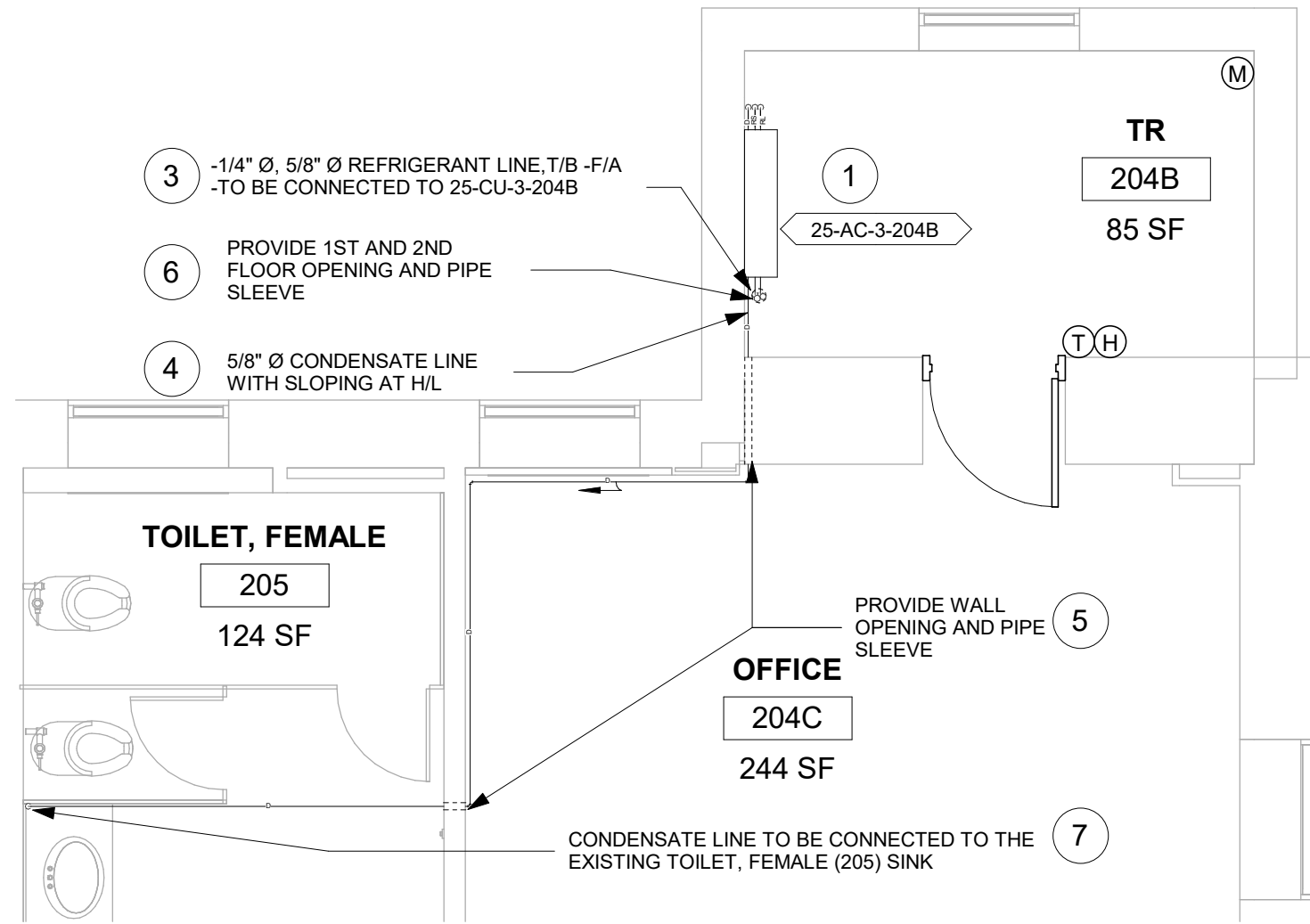
Project Number
657-21-701JB
Building Number
25
Drawing Number
25M-101
96 OF 435



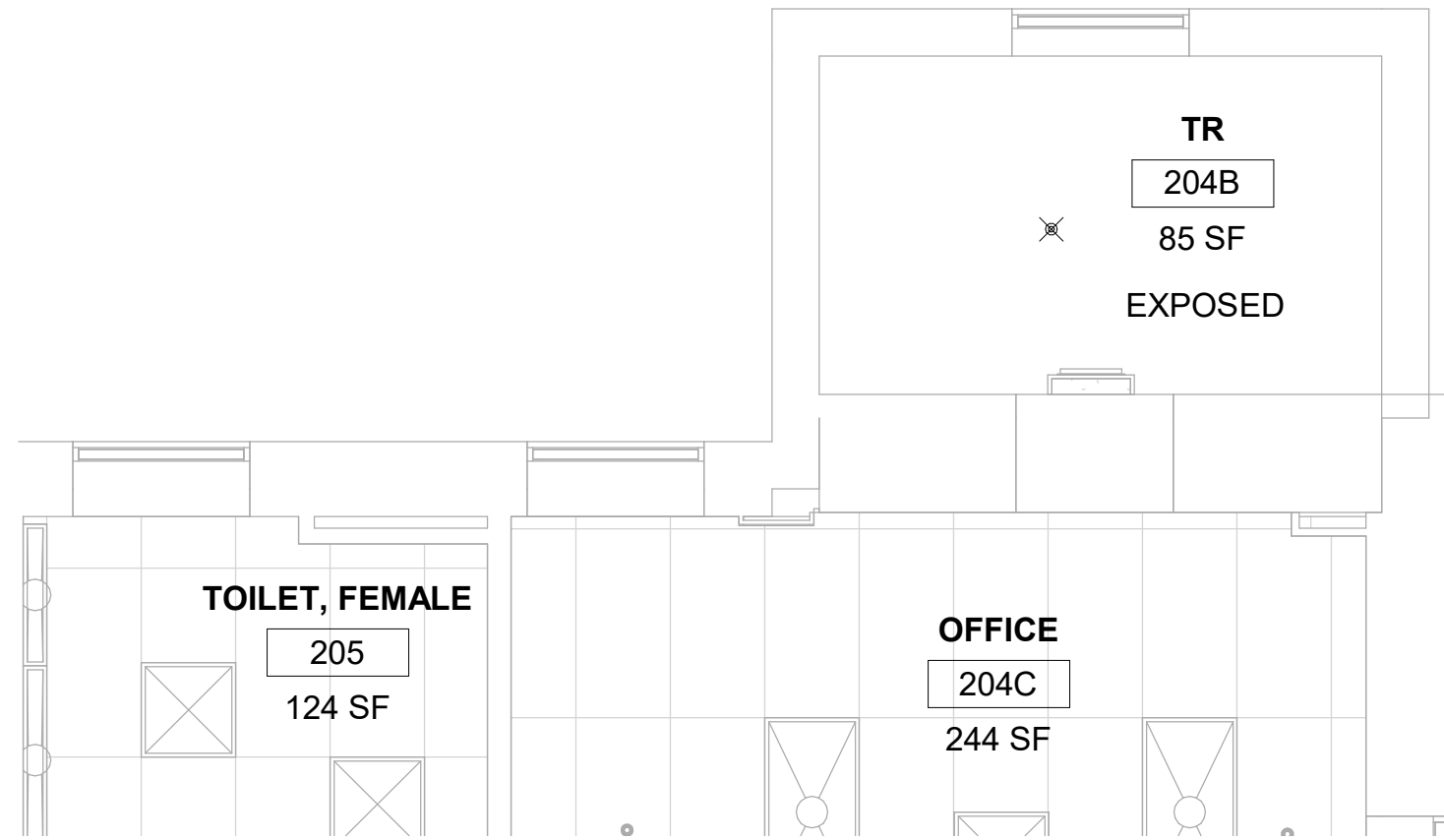
1 RM 204B - DEMO FLOOR PLAN
1/4" = 1'-0"



2 RM 204B - DEMO RCP
1/4" = 1'-0"



3 RM 204B - FLOOR PLAN
1/4" = 1'-0"



4 RM 204B - RCP
1/4" = 1'-0"

GENERAL NOTES

- CONTRACTOR MUST VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE BEGINNING ANY FABRICATION OR CONSTRUCTION.
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DEMOLITION GENERAL NOTES

- REFER TO ALL DRAWINGS FOR COORDINATION BETWEEN DEMOLITION AND NEW WORK. COORDINATE DEMOLITION WORK WITH THAT OF OTHER TRADES.
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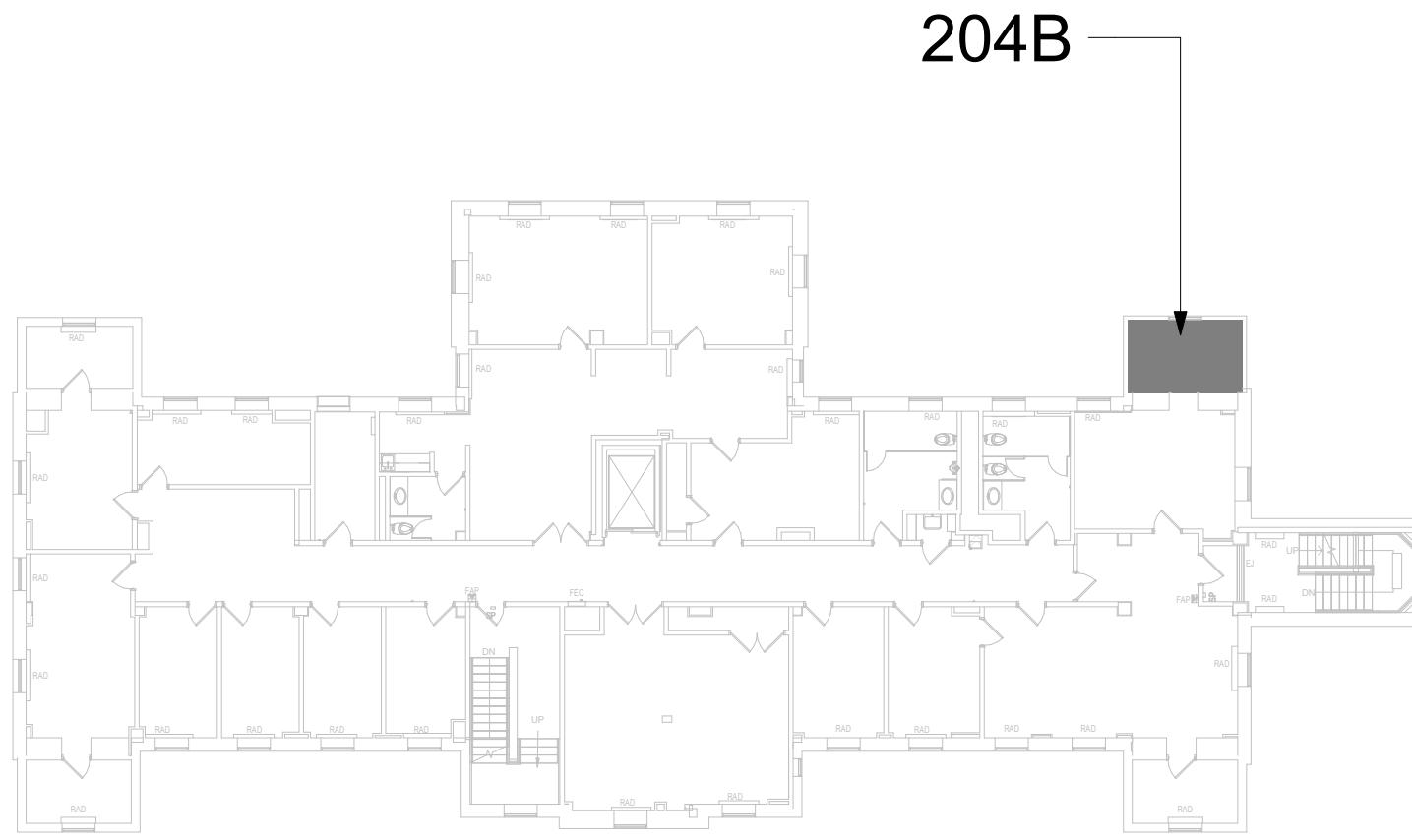
FIRE PROTECTION NOTES

- ALL TELECOM ROOMS TO HAVE EXISTING QUICK RESPONSE SPRINKLERS REPLACED WITH STANDARD RESPONSE SPRINKLERS.
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KEYNOTES

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- DEMO FLOOR MOUNTED AC. DEMO REFRIGERANT COPPER PIPE BACK TO MAIN. DEMO CONDENSATE PIPE.

KEY PLAN



		CONSULTANT	ARCHITECT/ENGINEER OF RECORD		Drawing Title		Phase	Project Title	Project Number
		ENGINEERING DISCIPLINE:	A/E:		BLDG 25 - FLOOR 2 - DEMO, FLOOR PLANS & RCPS		CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
			SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES		Approved:			Location	Building Number
			SPEESDESIGNBUILD					ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	25
								Issue Date	Drawing Number
								03/31/2022	25M-102
								Checked	Drawn
								MGH	NM/OBJJCY
									97 OF 435
		Revisions:					FULLY SPRINKLERED		
		Date:							

A

B

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D

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F

A

B

C

D

E

F

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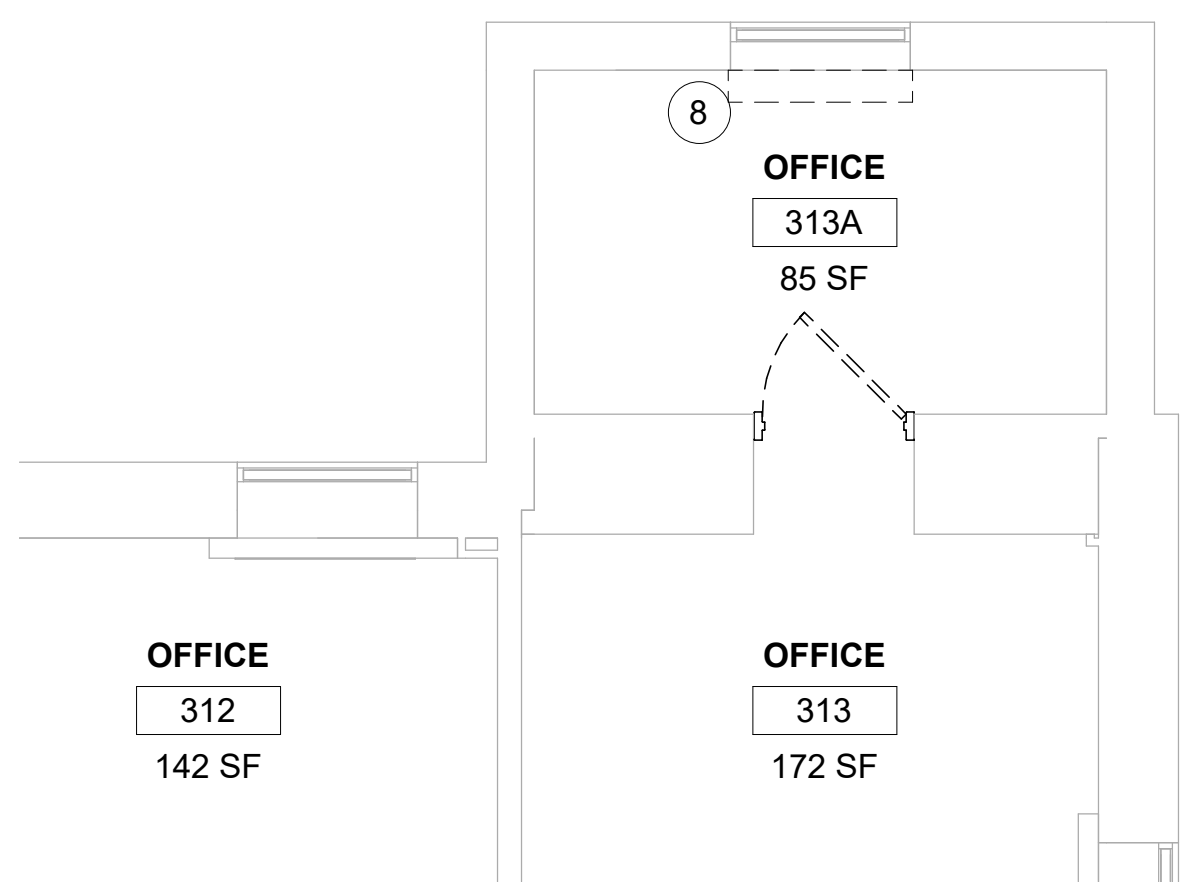
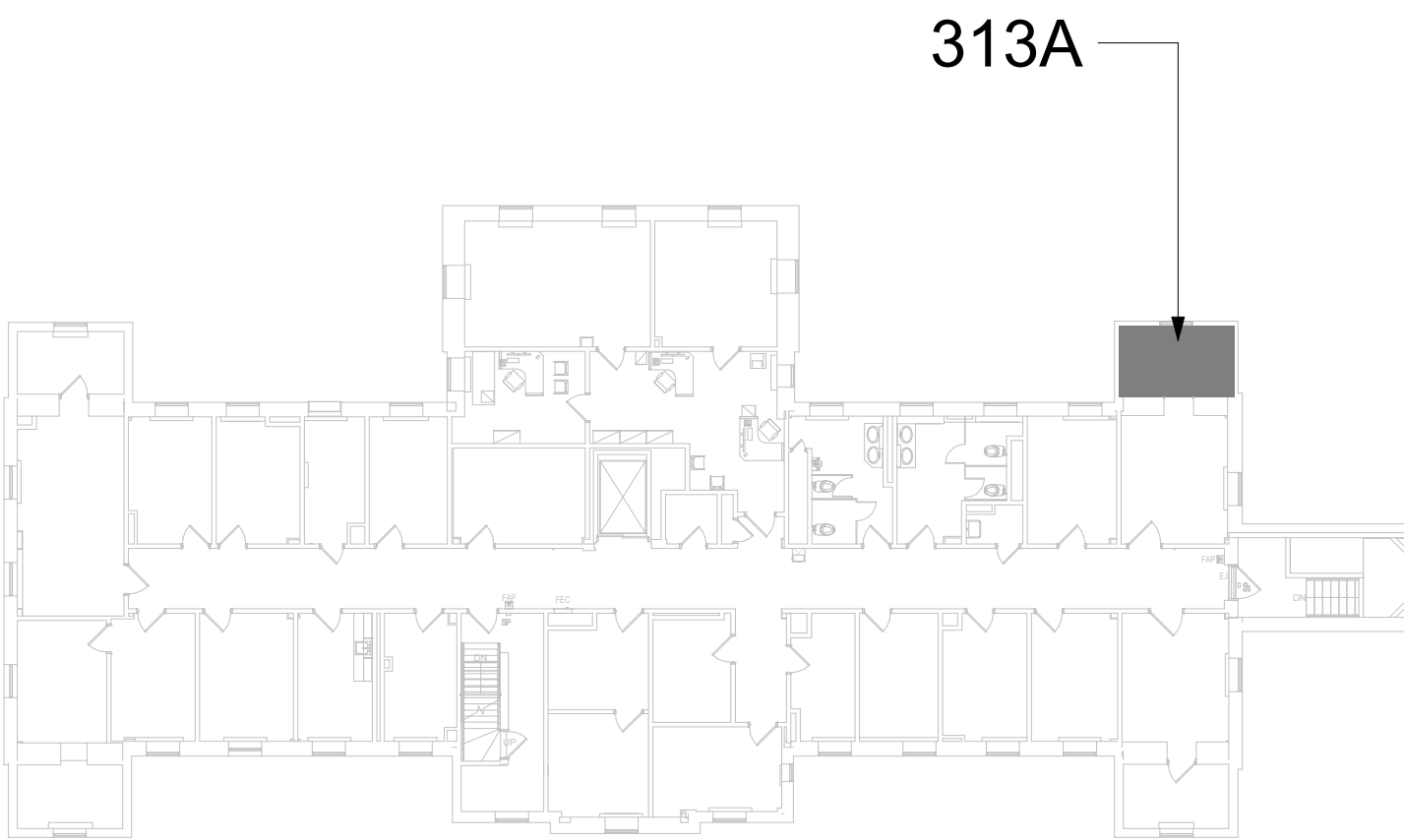
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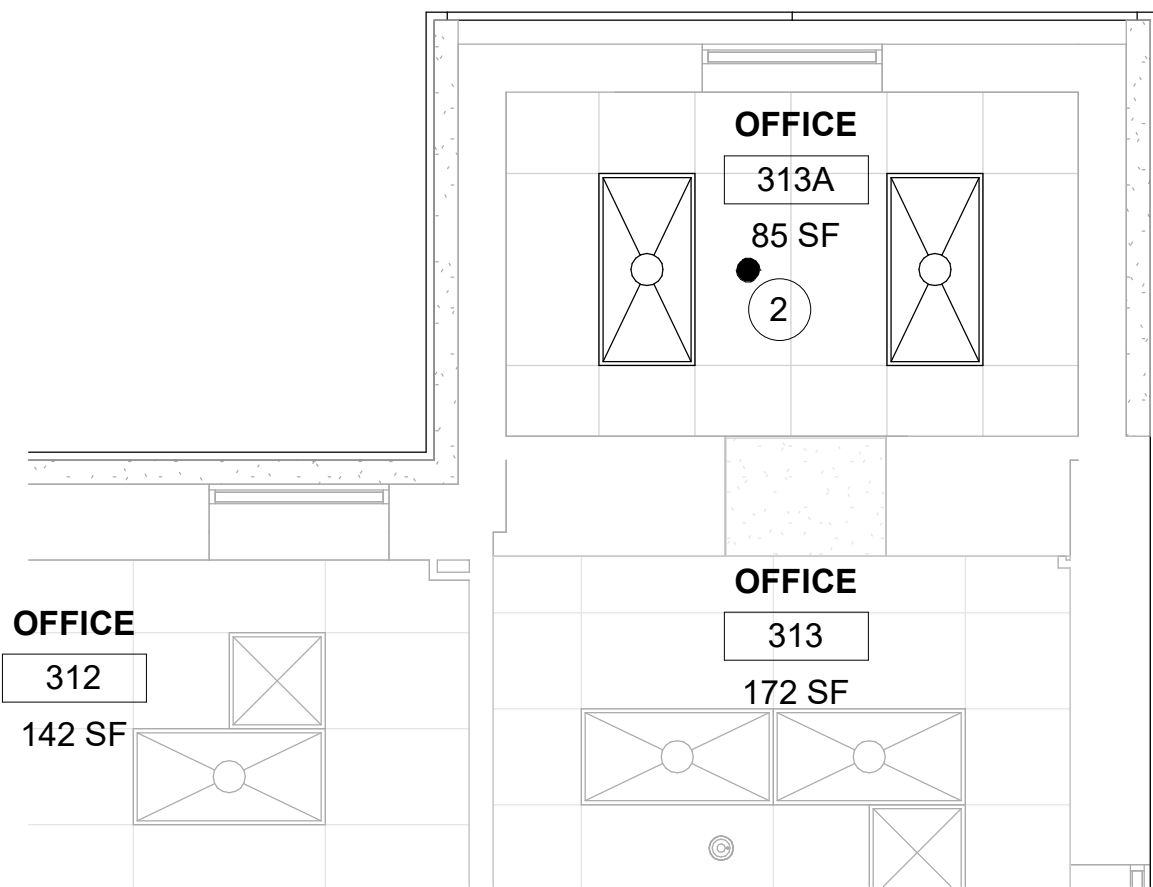
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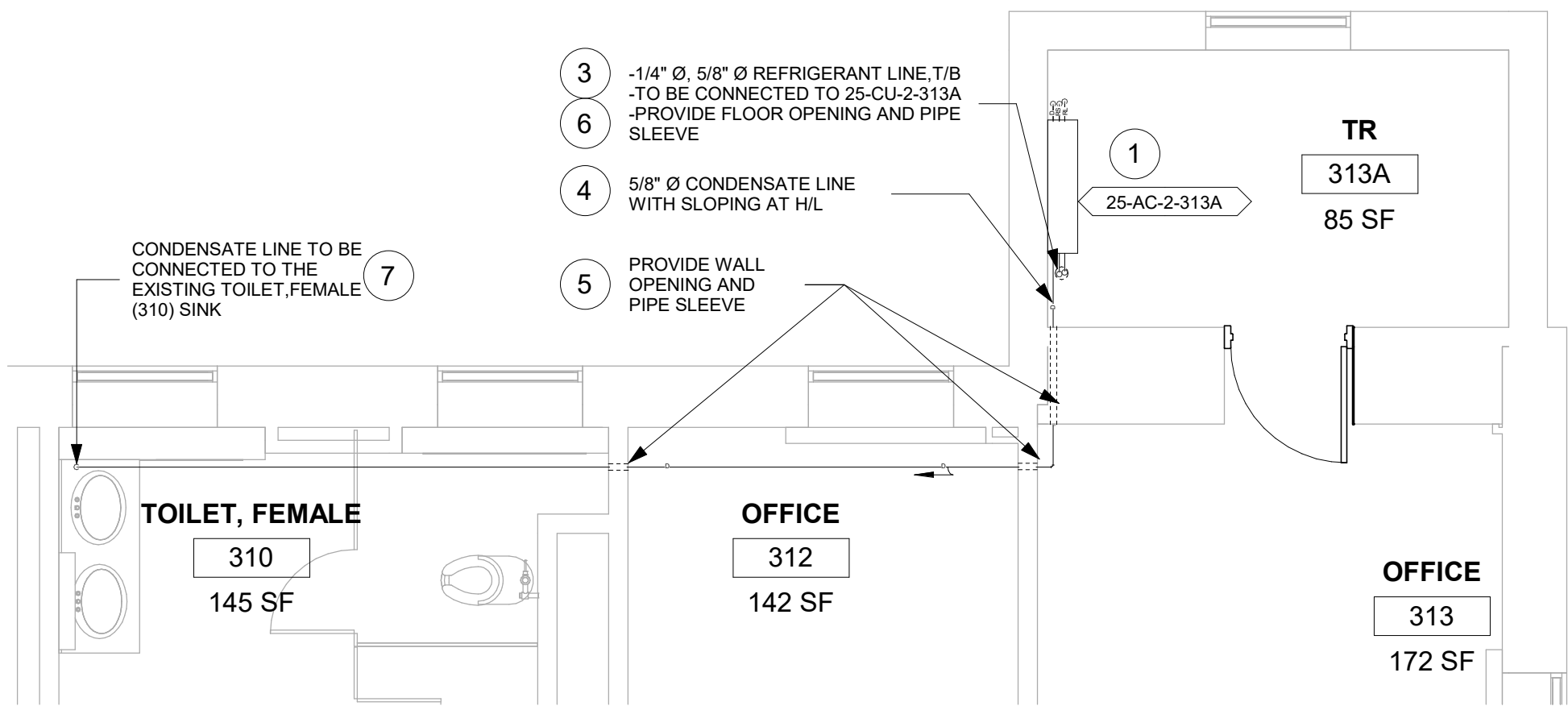
KEY PLAN



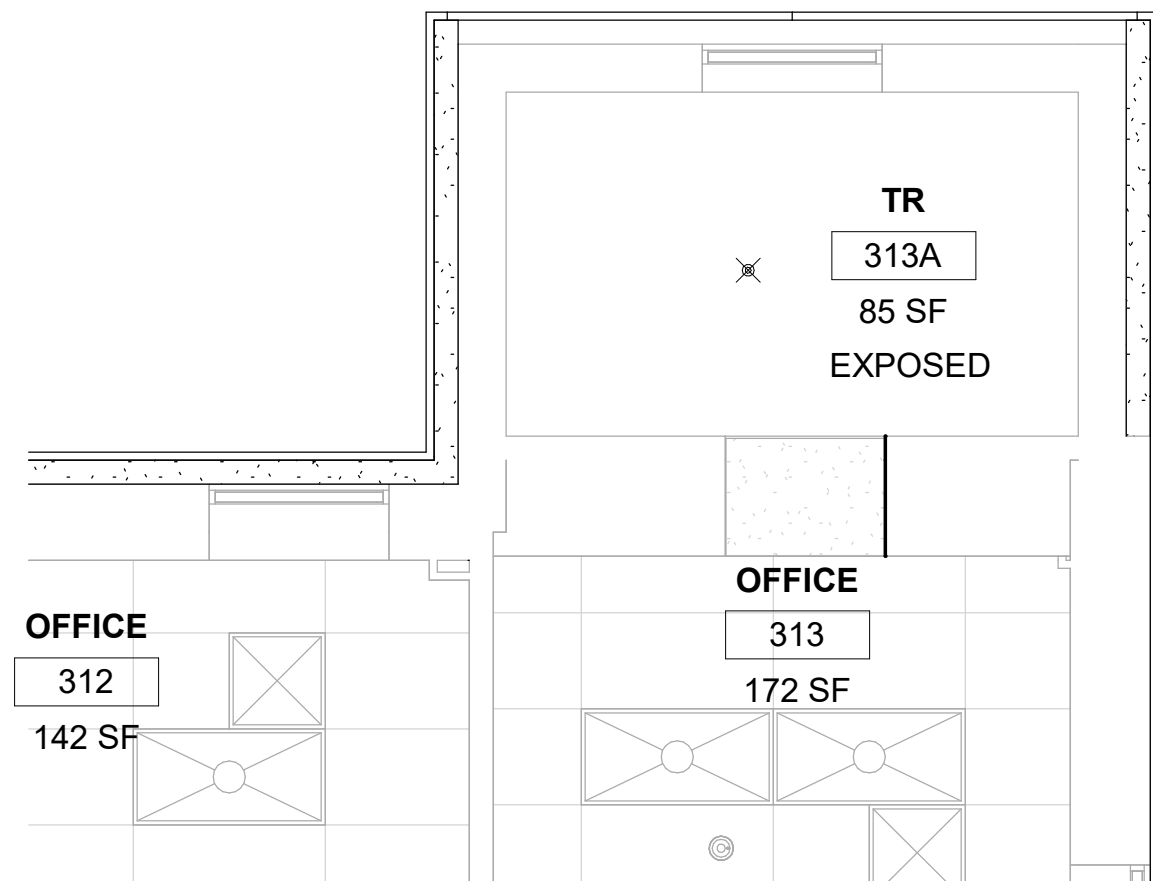
1 RM 313A - DEMO FLOOR PLAN
1/4" = 1'-0"



2 RM 313A - DEMO RCP
1/4" = 1'-0"



3 RM 313A - FLOOR PLAN
1/4" = 1'-0"



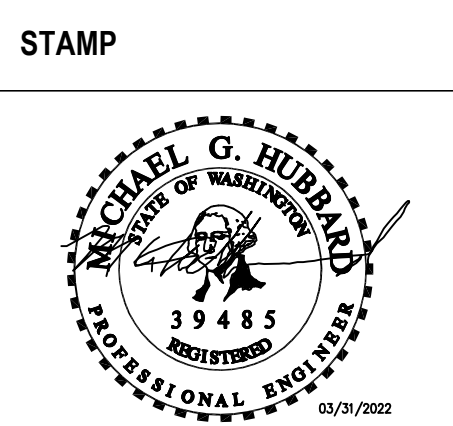
4 RM 313A - RCP
1/4" = 1'-0"



Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
SPEES DESIGN BUILD
625 1ST AVE, STE 301
SEATTLE, WA 98104
(206) 590-2118
RAY SPEES



Office of
Construction
and Facilities
Management
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Drawing Title
BLDG 25 - FLOOR 3 - DEMO,
FLOOR PLANS & RCPS

Approved:

Phase
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DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

Checked
MGH

Drawn
MM/OBJ/JCY

Project Number
657-21-701JB
Building Number
25
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25M-103
98 OF 435

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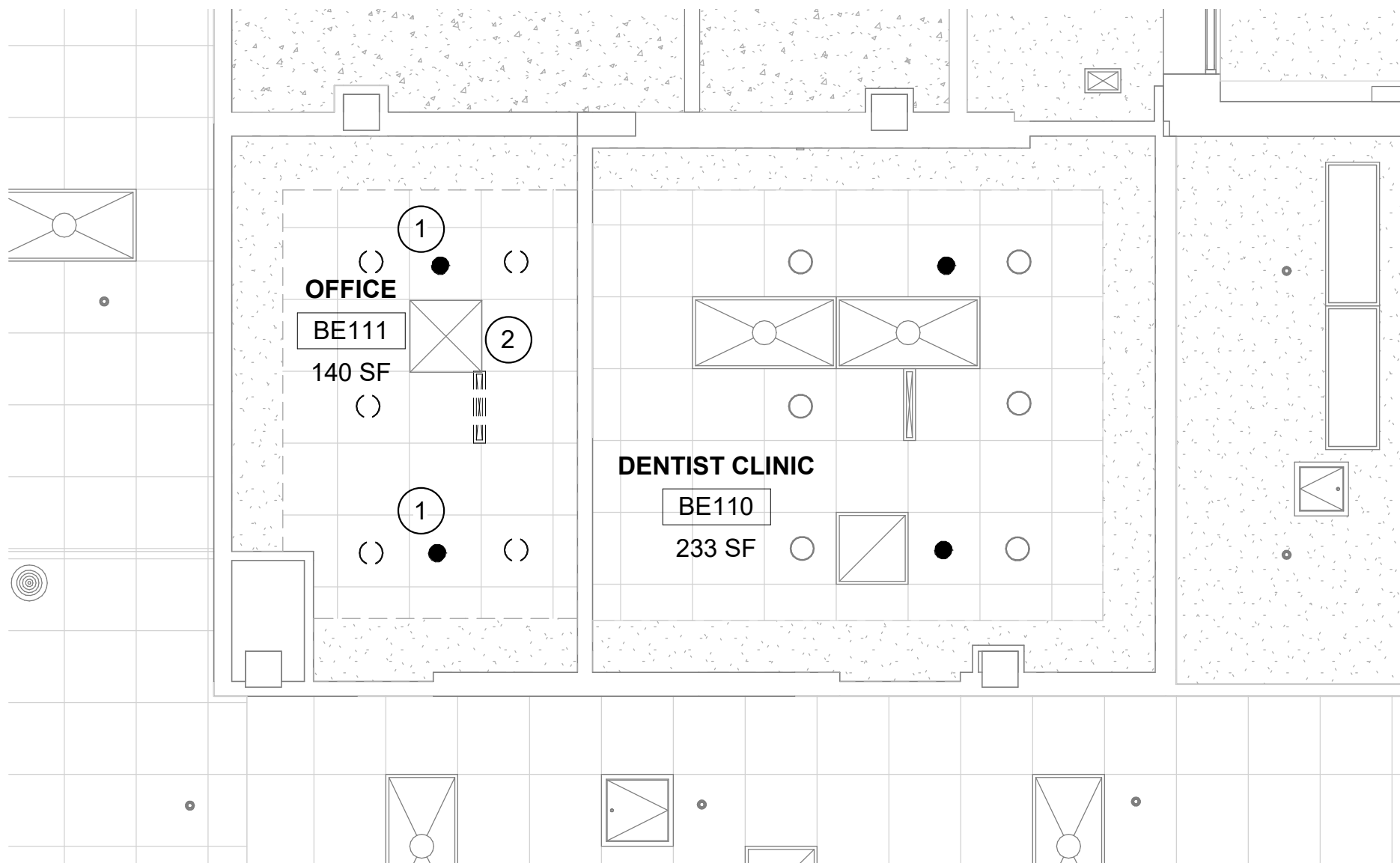
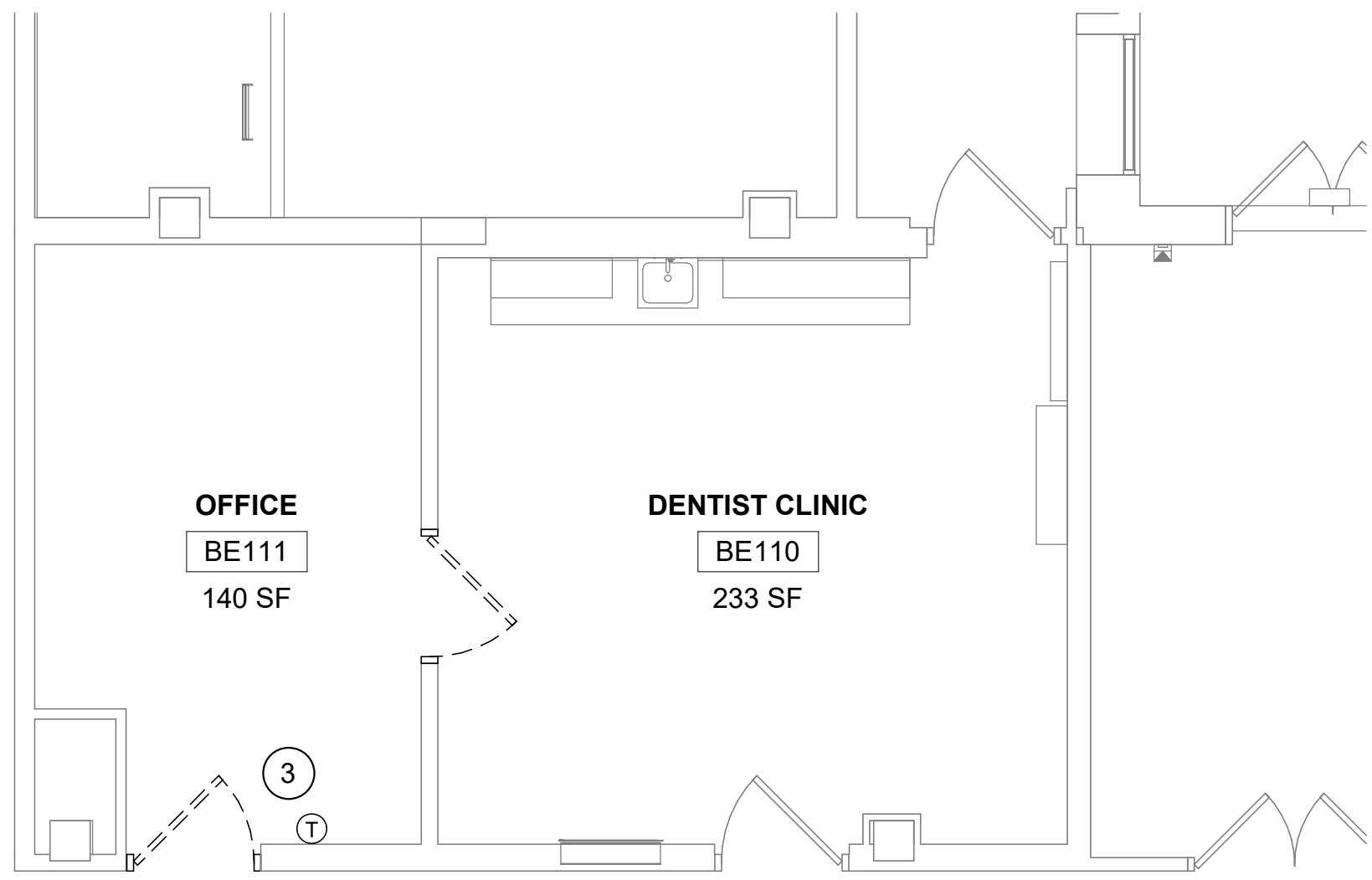
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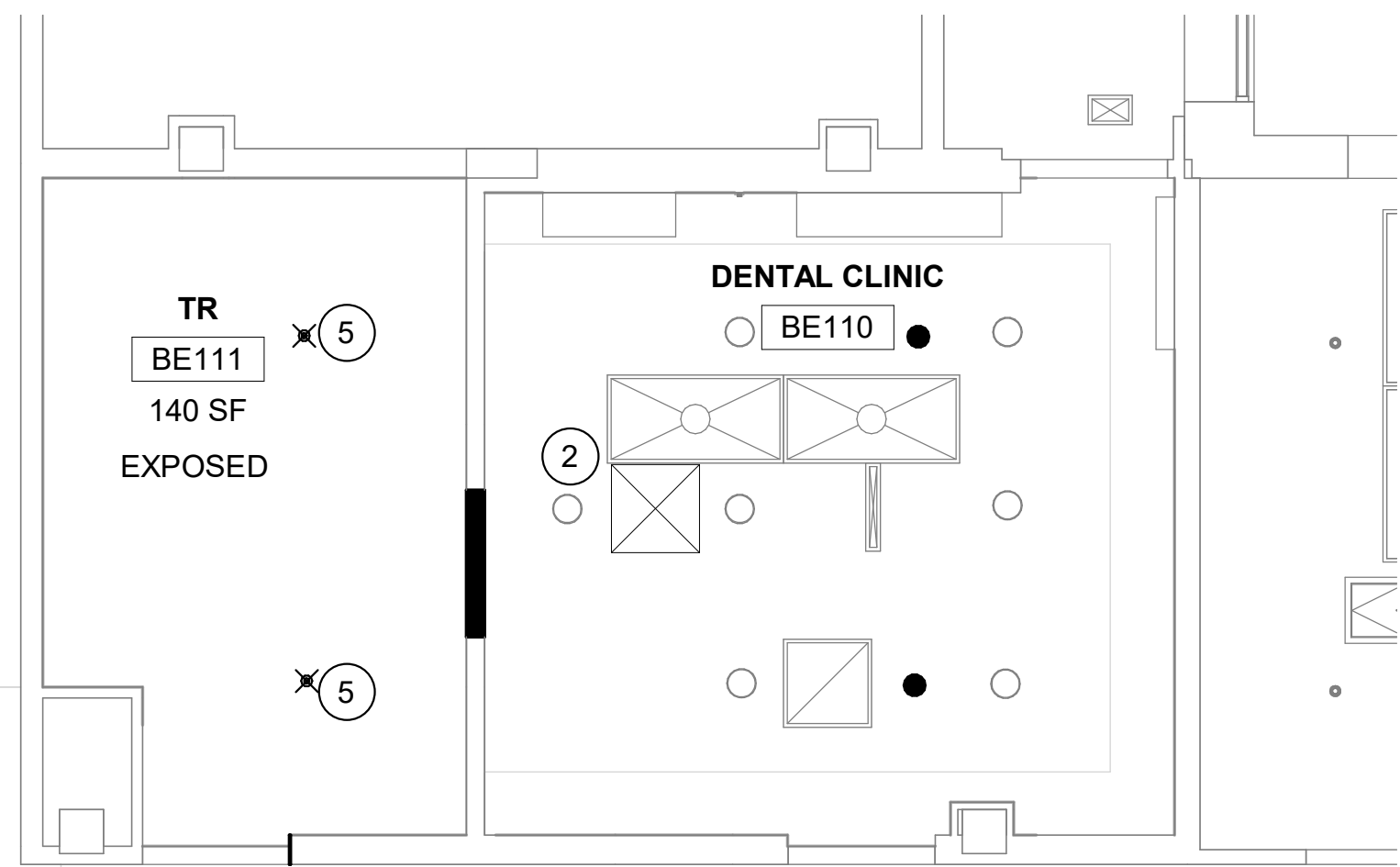
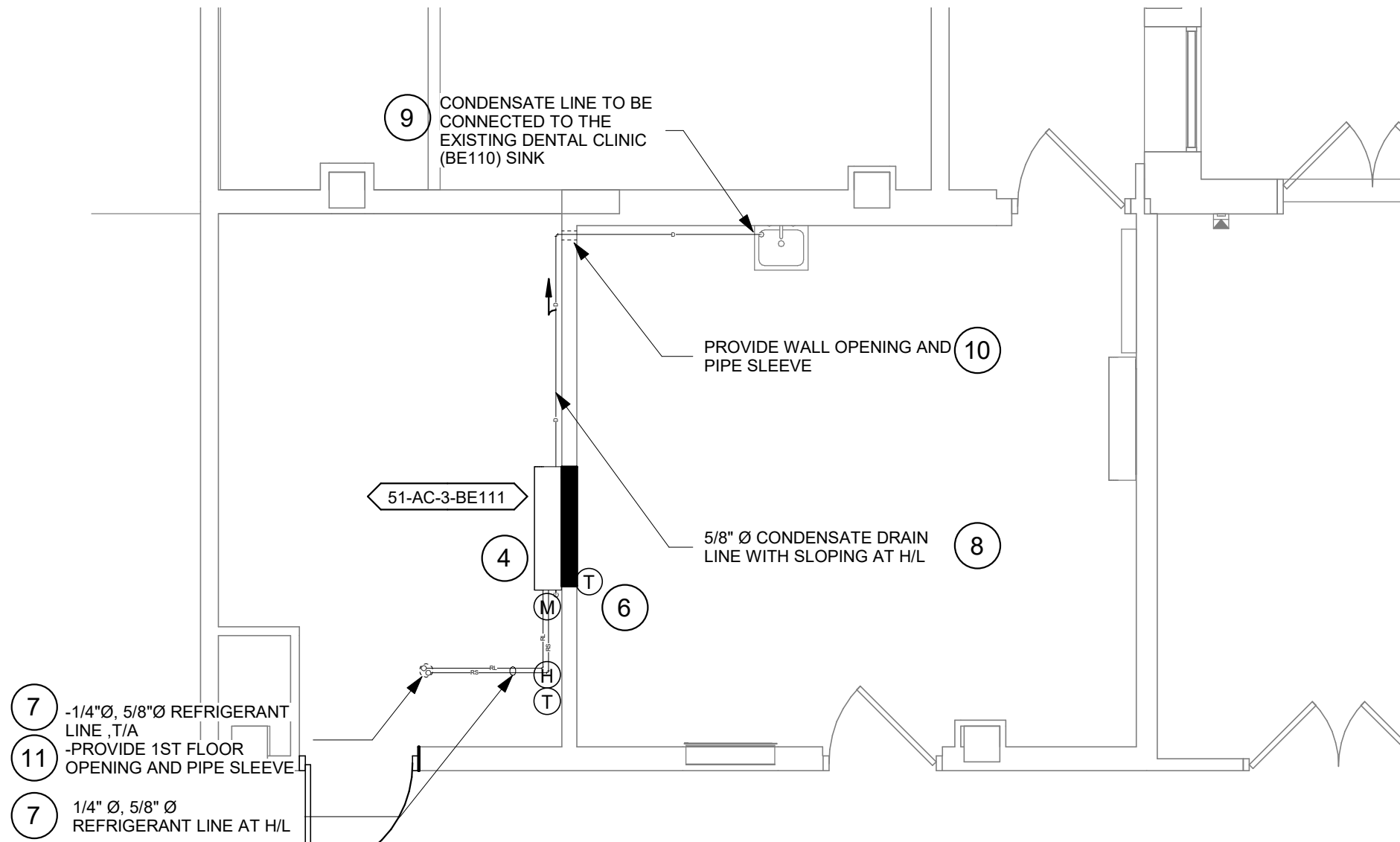
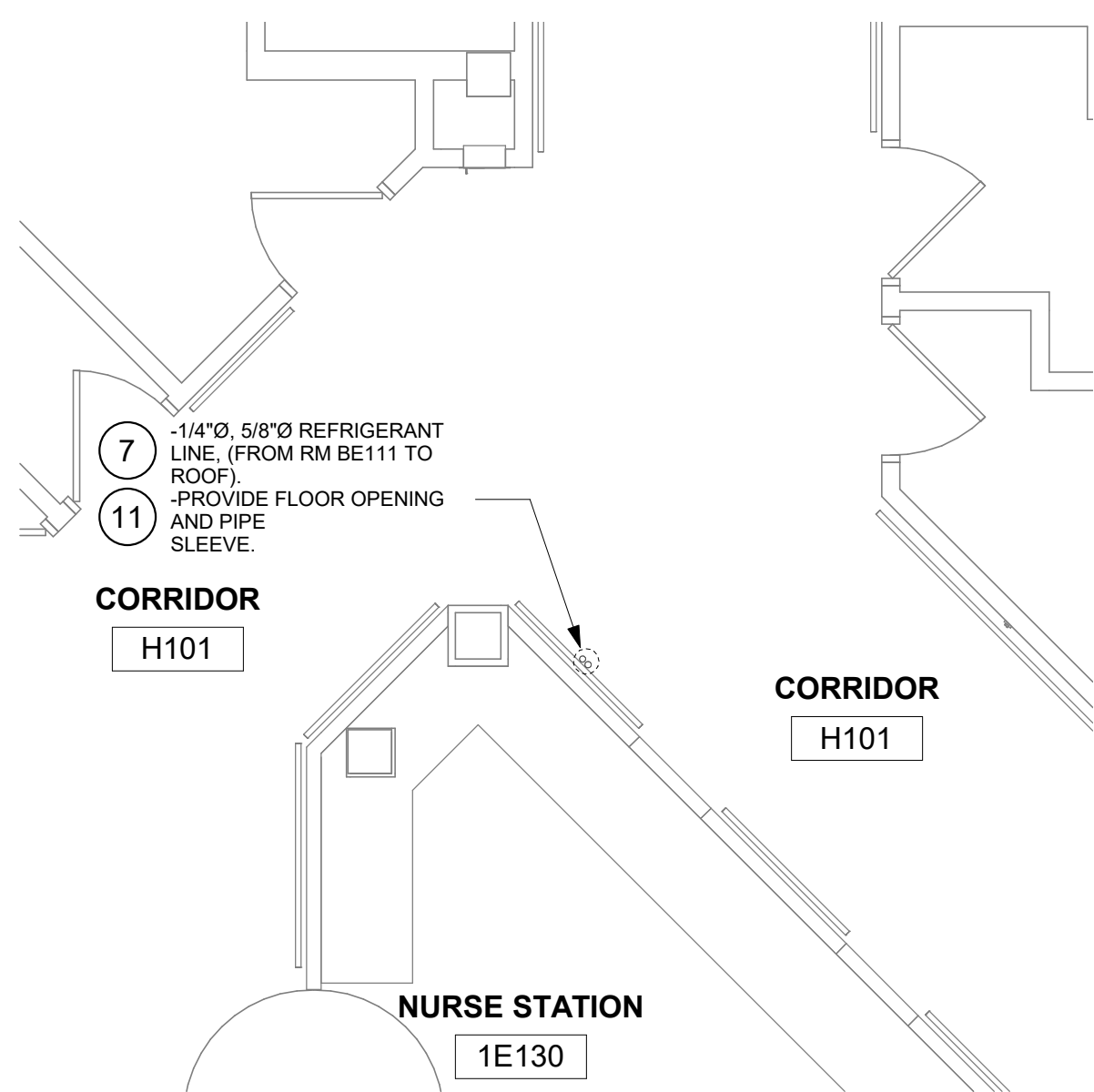
E

F



1 RM BE111 & BE110 - DEMO FLOOR PLAN
1/4" = 1'-0"

2 RM BE110 & BE111 - DEMO RCP
1/4" = 1'-0"



3B FLOOR 01 CORRIDOR - FLOOR PLAN
1/4" = 1'-0"

3A RM BE111 & BE110 - FLOOR PLAN
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4 RM BE110 & BE111 - RCP
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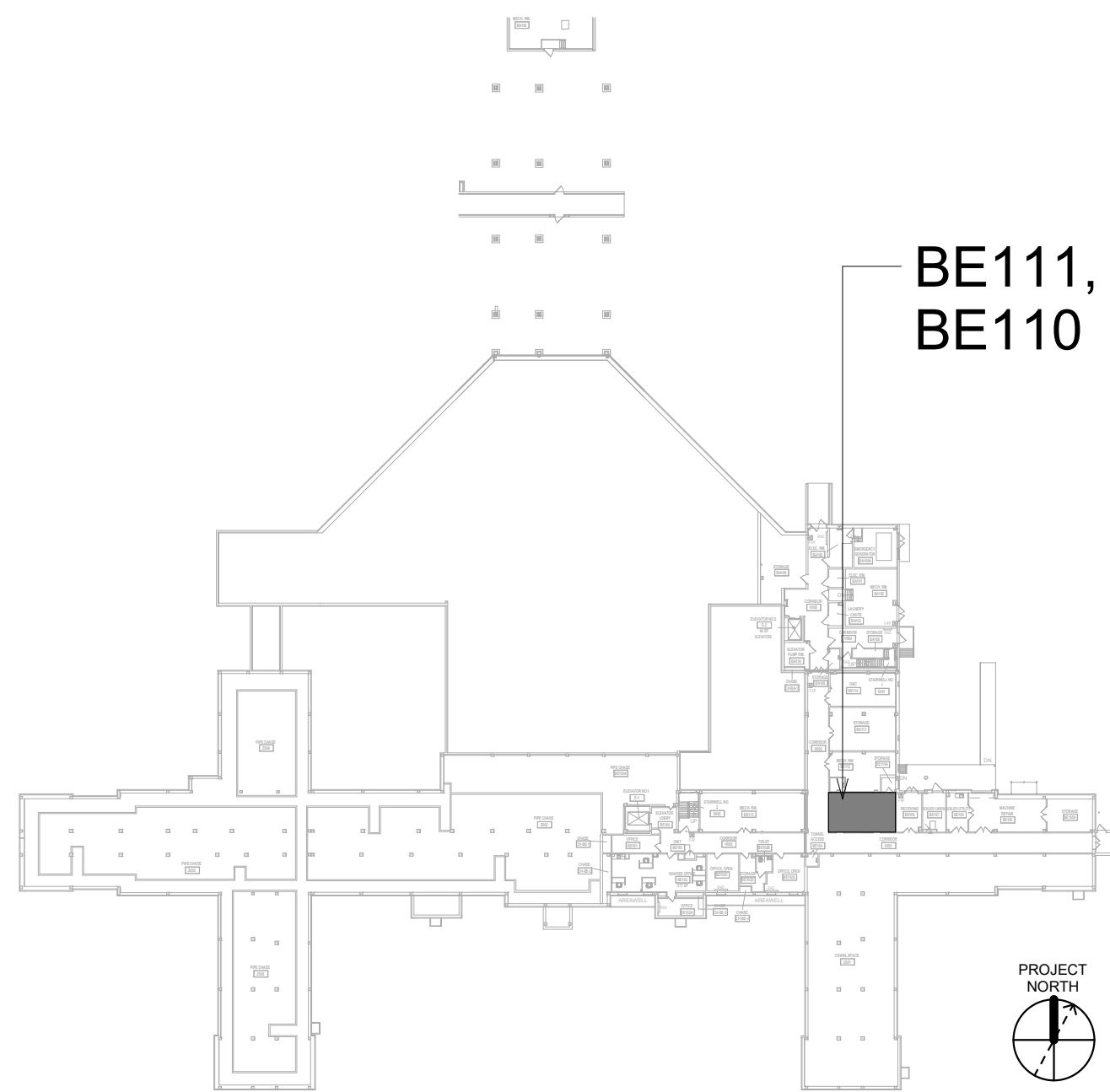
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KEYNOTES

1. DEMO SPRINKLER.
2. RELOCATE EXISTING CEILING SUPPLY GRILLE. EXTEND SUPPLY DUCT TO NEW LOCATION.
3. REMOVE WALL THERMOSTAT/SENSOR. SAVE FOR RELOCATION.
4. INSTALL NEW DUCTLESS SPLIT COOLING UNIT.
5. INSTALL NEW STANDARD RESPONSE SPRINKLER IN UPRIGHT POSITION. PROVIDE CAGE GUARD.
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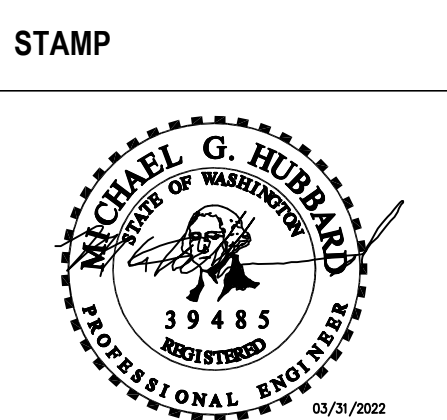
KEY PLAN



Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
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625 1ST AVE, STE 301
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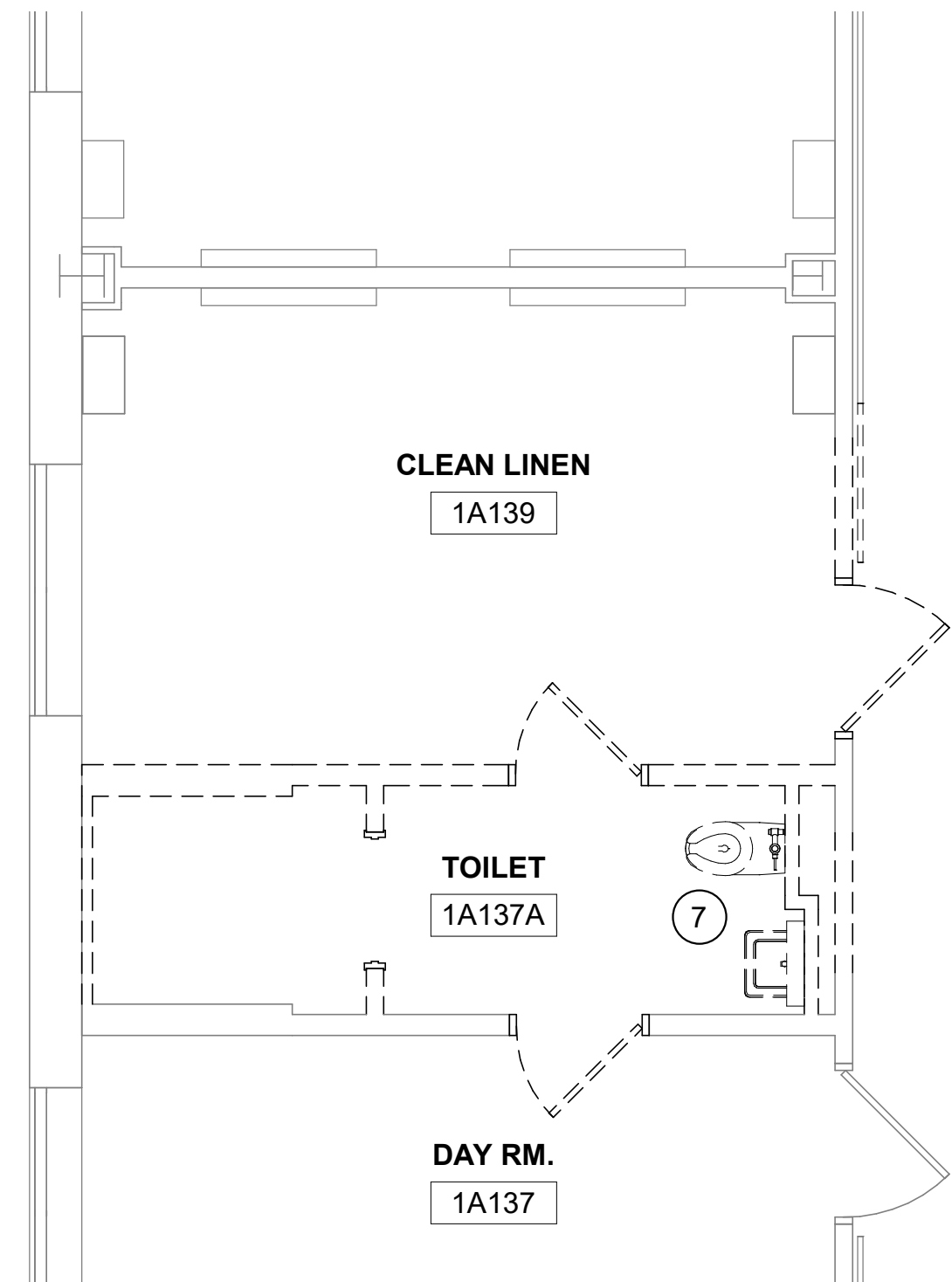
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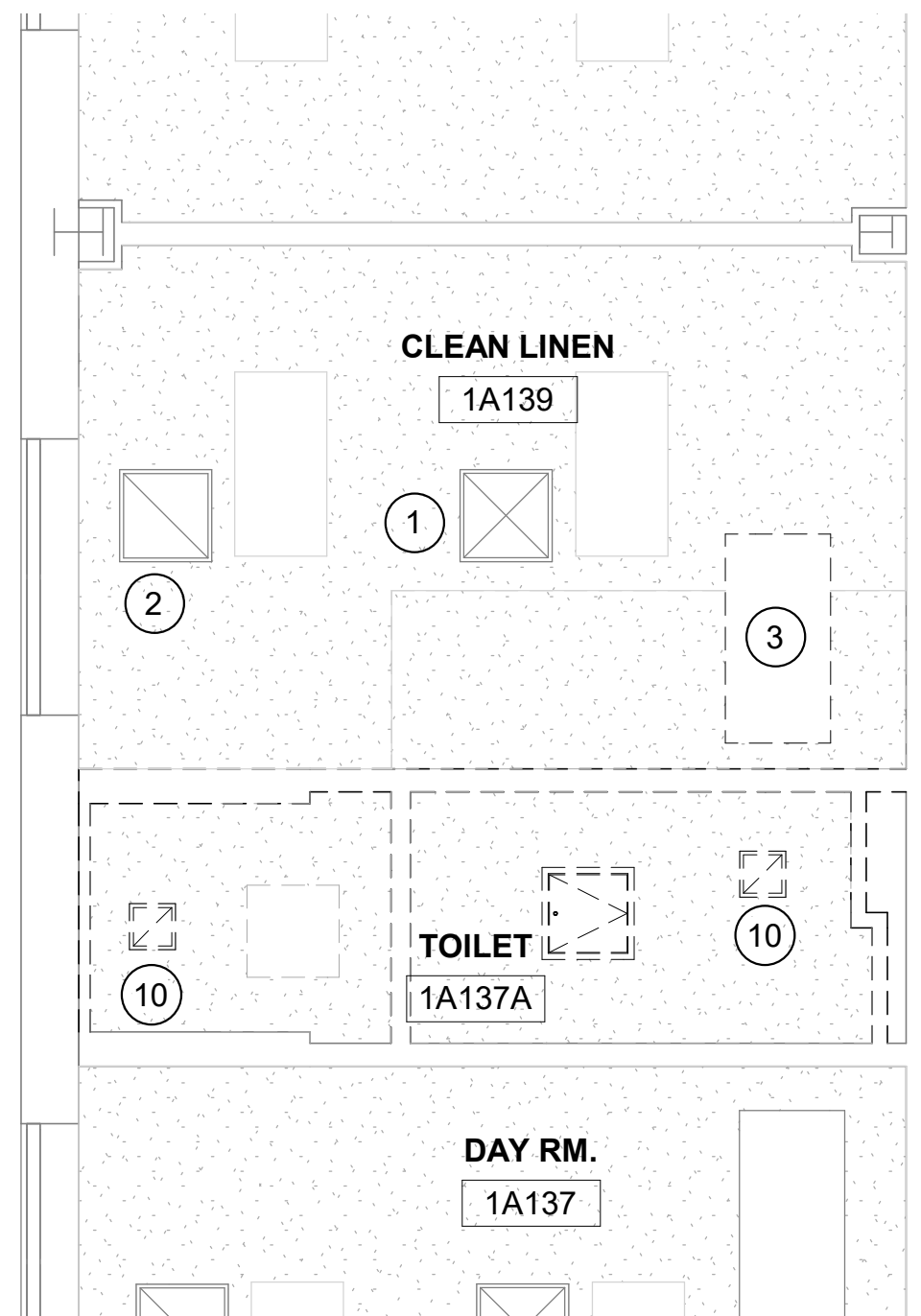
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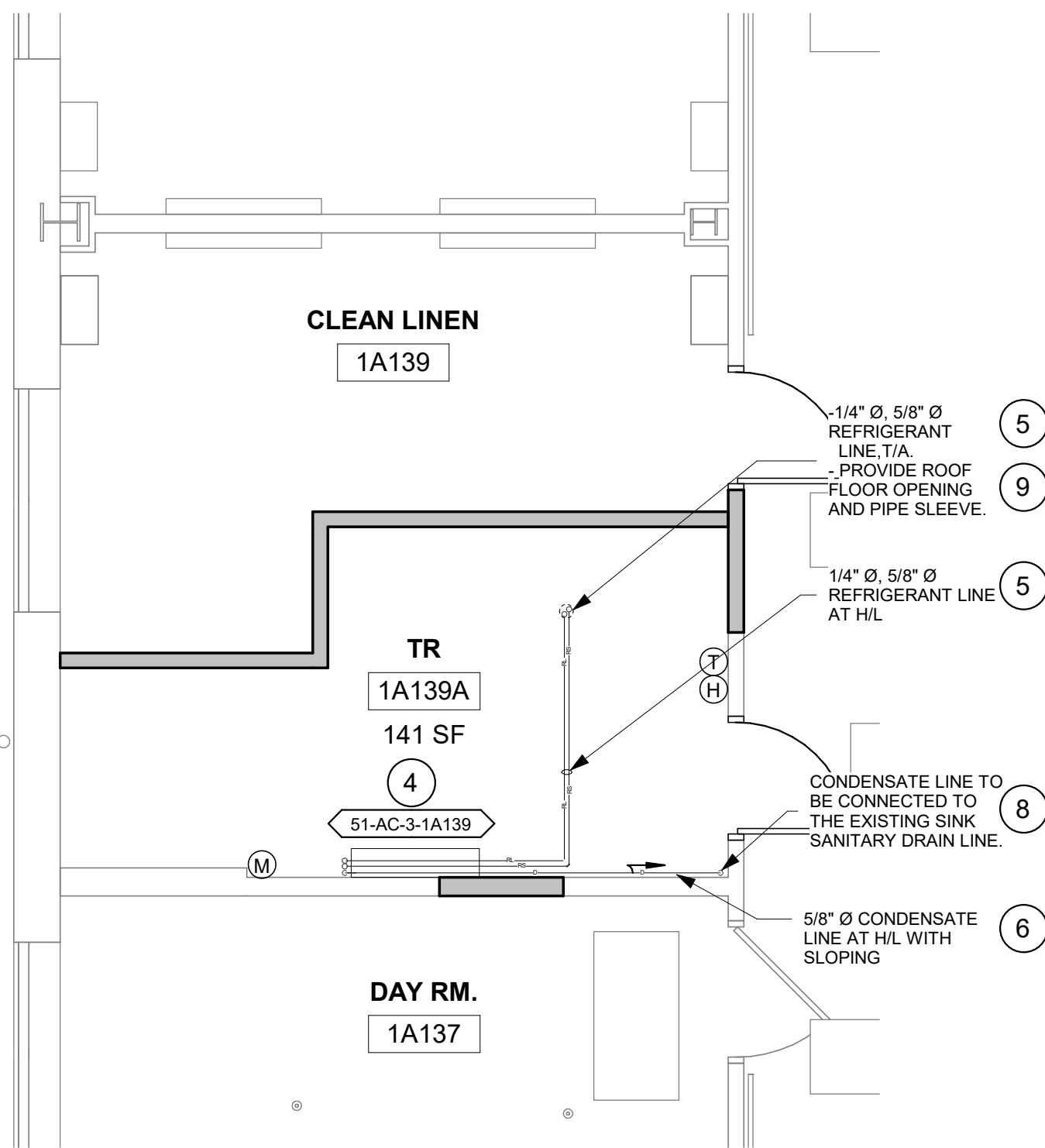
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99 OF 435



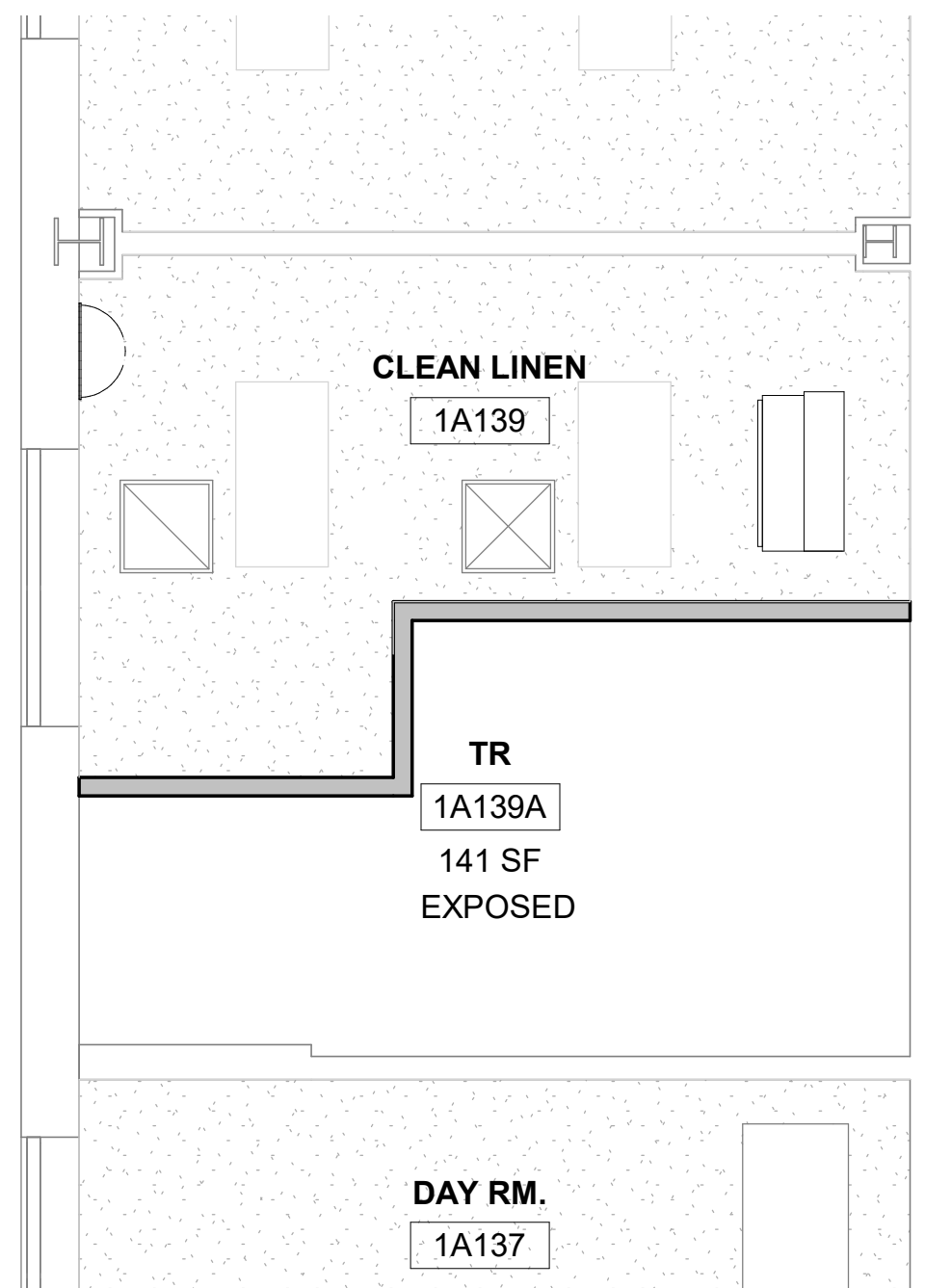
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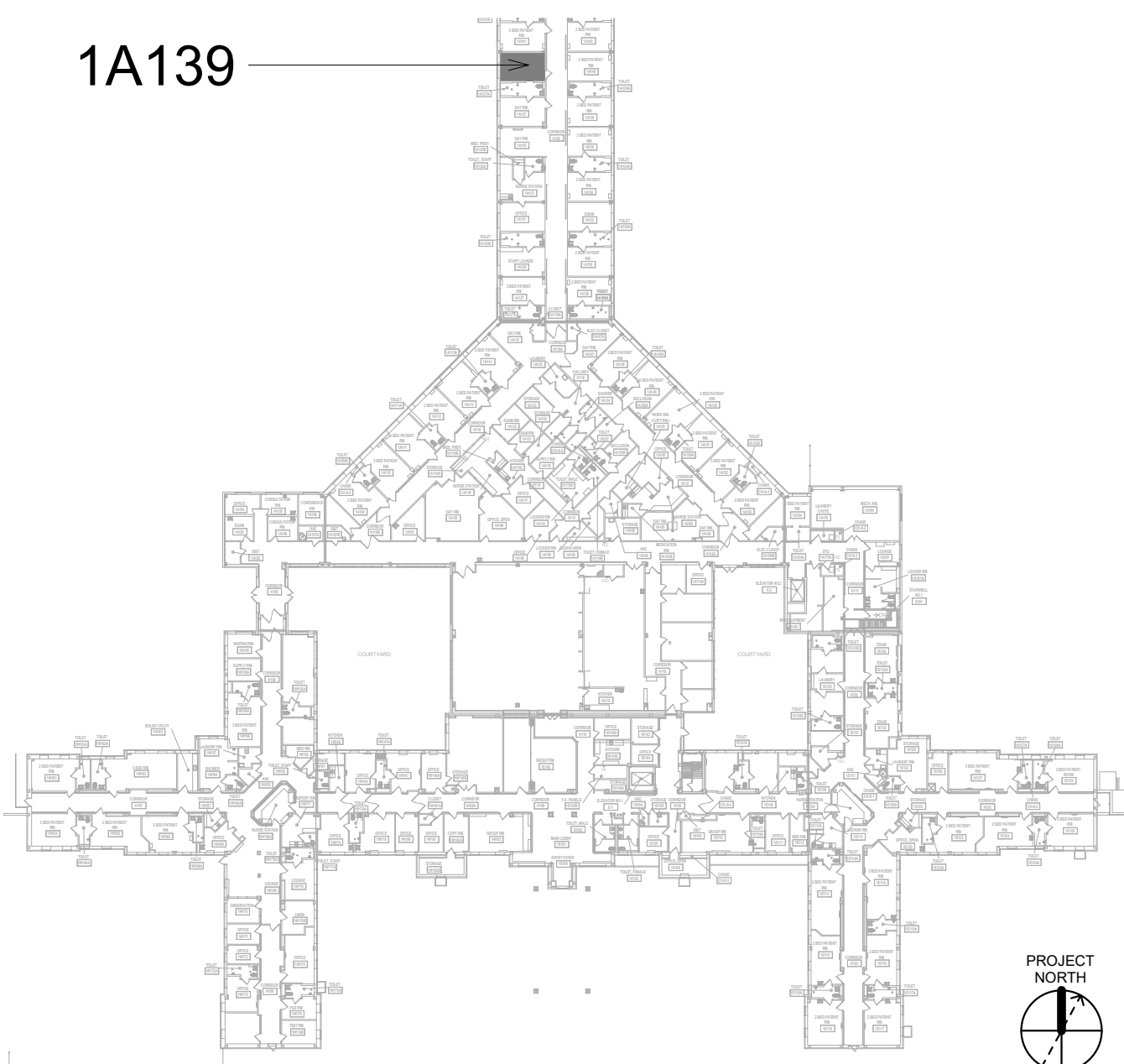
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- SPRINKLER HEADS MUST BE REPLACED AT THE SAME TIME AS THE CEILING IS DEMOLISHED.

KEYNOTES

- CEILING SUPPLY GRILLE TO REMAIN AND DUCTWORK TO ADJUST TO FAN COIL UNIT NEW LOCATION.
- CEILING EXHAUST/RETURN GRILLE TO REMAIN AND DUCTWORK TO ADJUST TO FAN COIL UNIT NEW LOCATION.
- RELOCATE FAN COIL UNIT & THERMOSTAT FROM WALL. EXTEND & INSULATE HYDRONIC HEATING, CHILLED WATER & CONDENSATE PIPING TO THE NEW FAN COIL LOCATION.
- INSTALL NEW DUCTLESS SPLIT COOLING UNIT.
- INSTALL NEW REFRIGERANT LINES (INDOOR UNIT TO OUTDOOR UNIT). PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT.
- INSTALL NEW CONDENSATE LINE. PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT. PITCH THE CONDENSATE DRAIN LINE IN THE DIRECTION OF FLOW.
- PROVIDE CLEANOUTS AT EACH TURN IN THE DIRECTION OF FLOW.
- DEMO SINK AND WATER CLOSET, INCLUDING WATER SUPPLIES OF BOTH AND SANITARY OF WATER CLOSET. CAP WATER CLOSET'S SANITARY AND VENT PIPING IN CONCEALED SPACE. DEMO HOT AND COLD WATER SUPPLIES BACK TO MAIN, CAP WITHIN TWO PIPE DIAMETERS. REUSE SINK SANITARY AND VENT FOR CONDENSATE DRAIN.
- REFER TO M-501 FOR INDIRECT DRAIN FOR SINK DETAIL.
- REFER TO M-501 FOR LINESET FLASHING DETAIL.
- DEMO CEILING EXHAUST GRILLE. DEMO DUCT BACK TO MAIN, CAP AND SEAL DUCT.

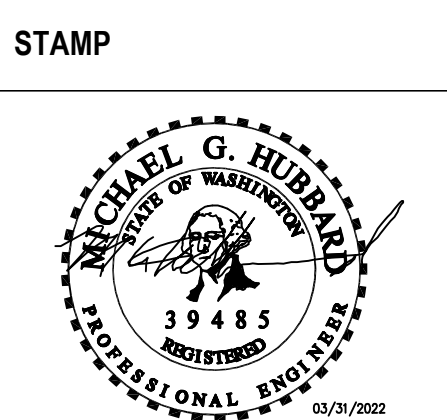
KEY PLAN



Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
SPEES DESIGN BUILD
625 1ST AVE, STE 301
SEATTLE, WA 98104
(206) 590-2118
RAY SPEES
SDE SPEESDESIGNBUILD



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

Drawing Title
BLDG. 51- FLOOR 01 - DEMO,
FLOOR PLANS & RCPS

Approved:

Phase
CONSTRUCTION
DOCUMENTS

NON SPRINKLERED

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

Checked
MGH

Drawn
MM/OBJ/JCY

Project Number
657-21-701JB
Building Number
51

Drawing Number
51M-101a
100 OF 435

A

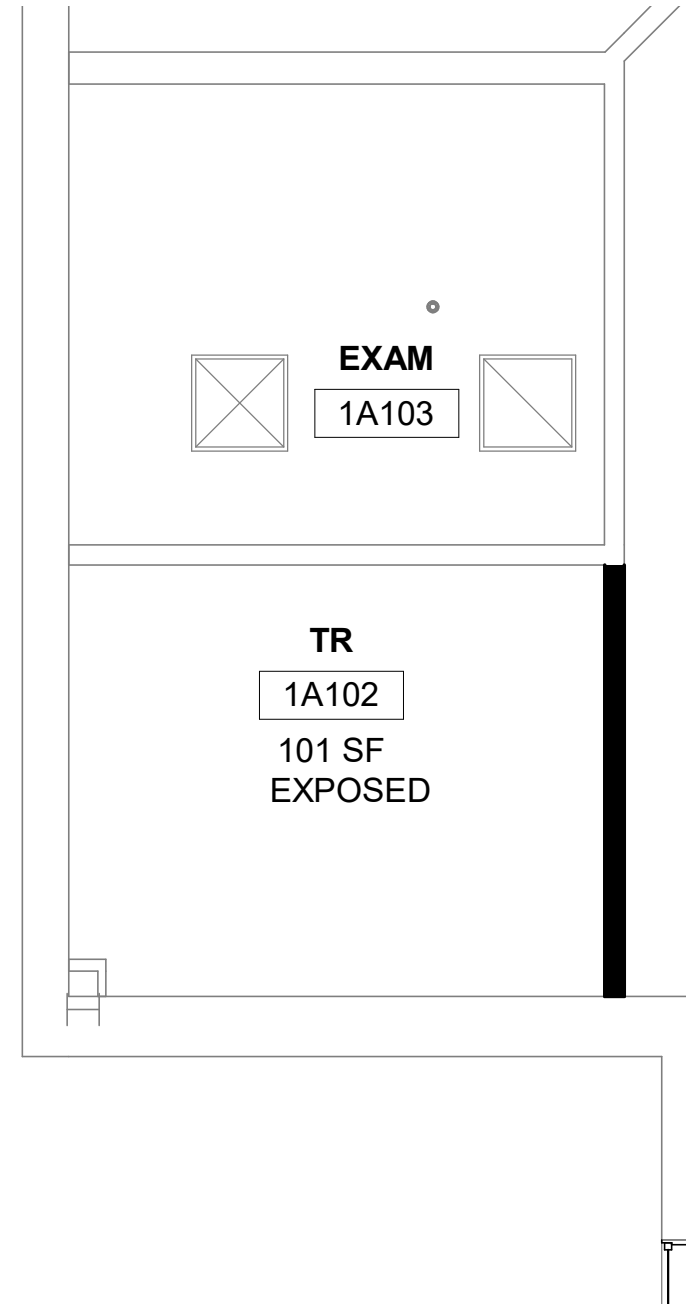
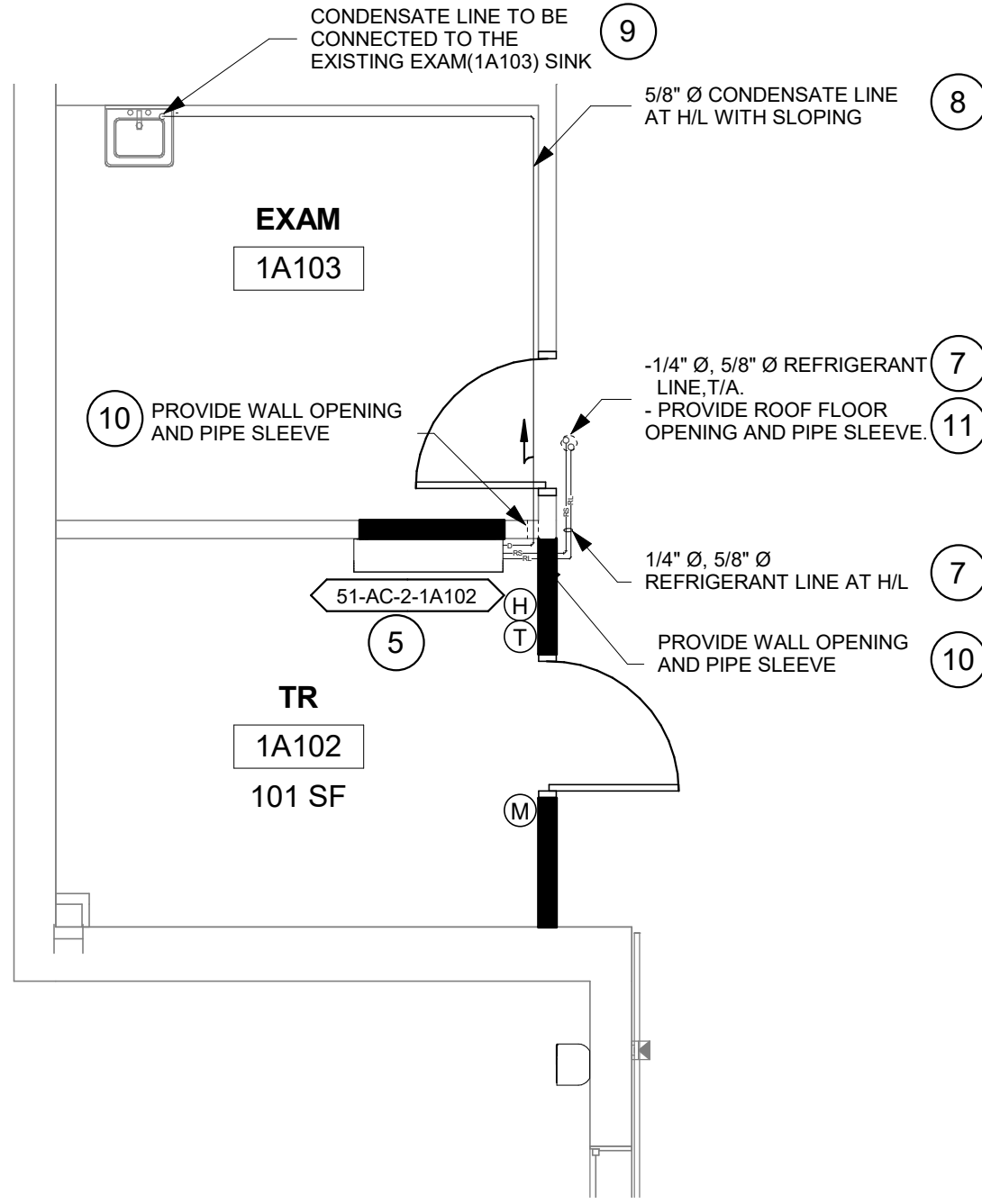
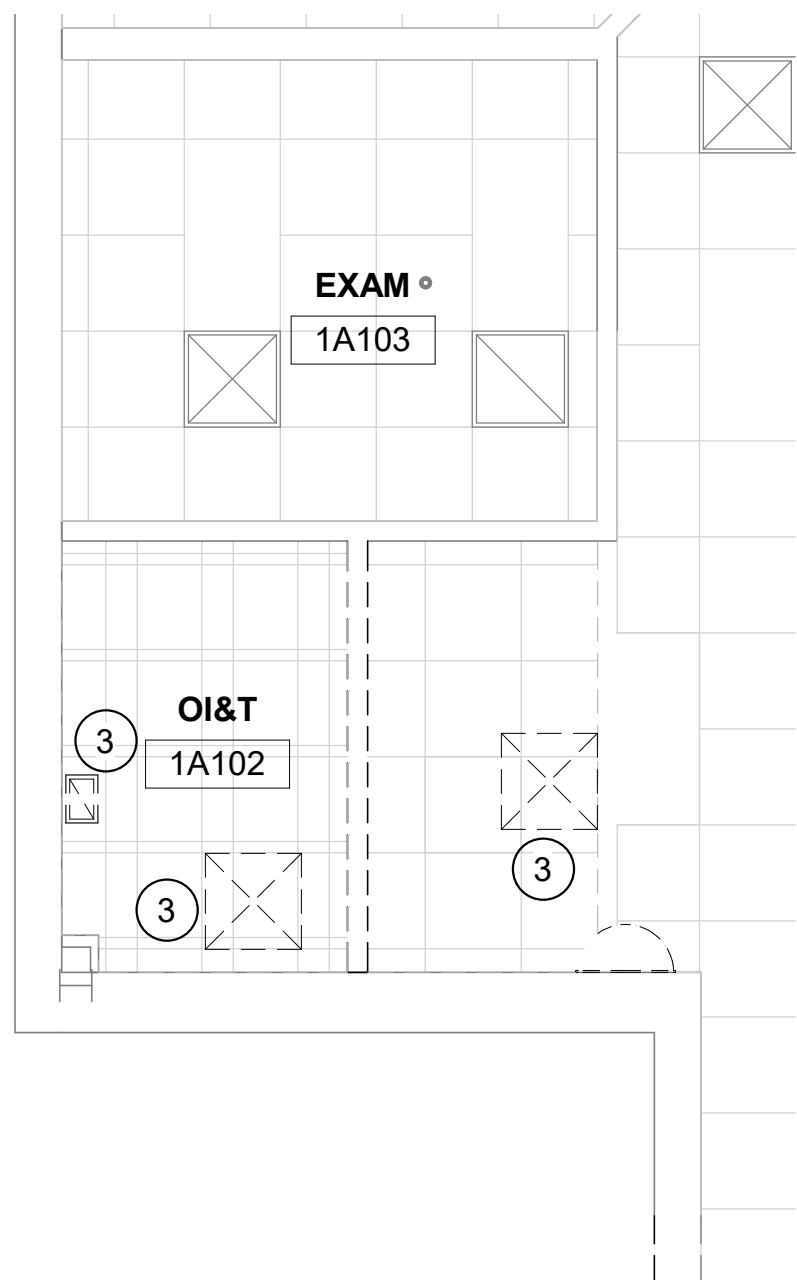
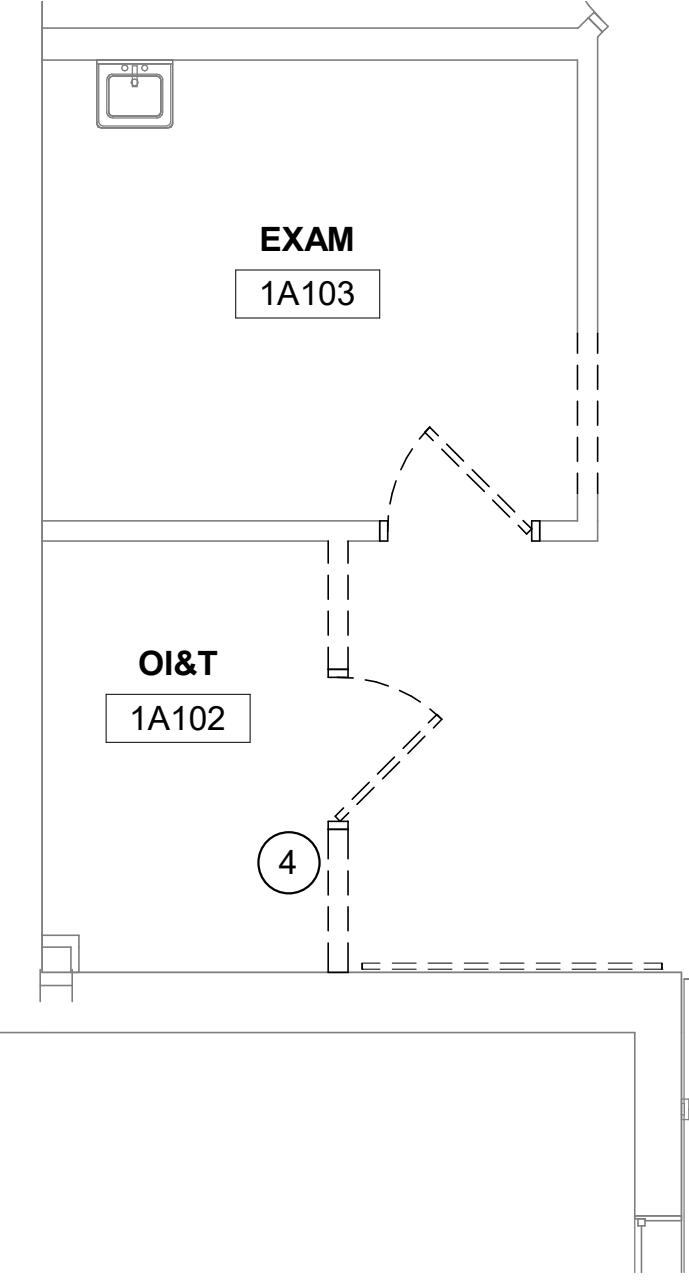
B

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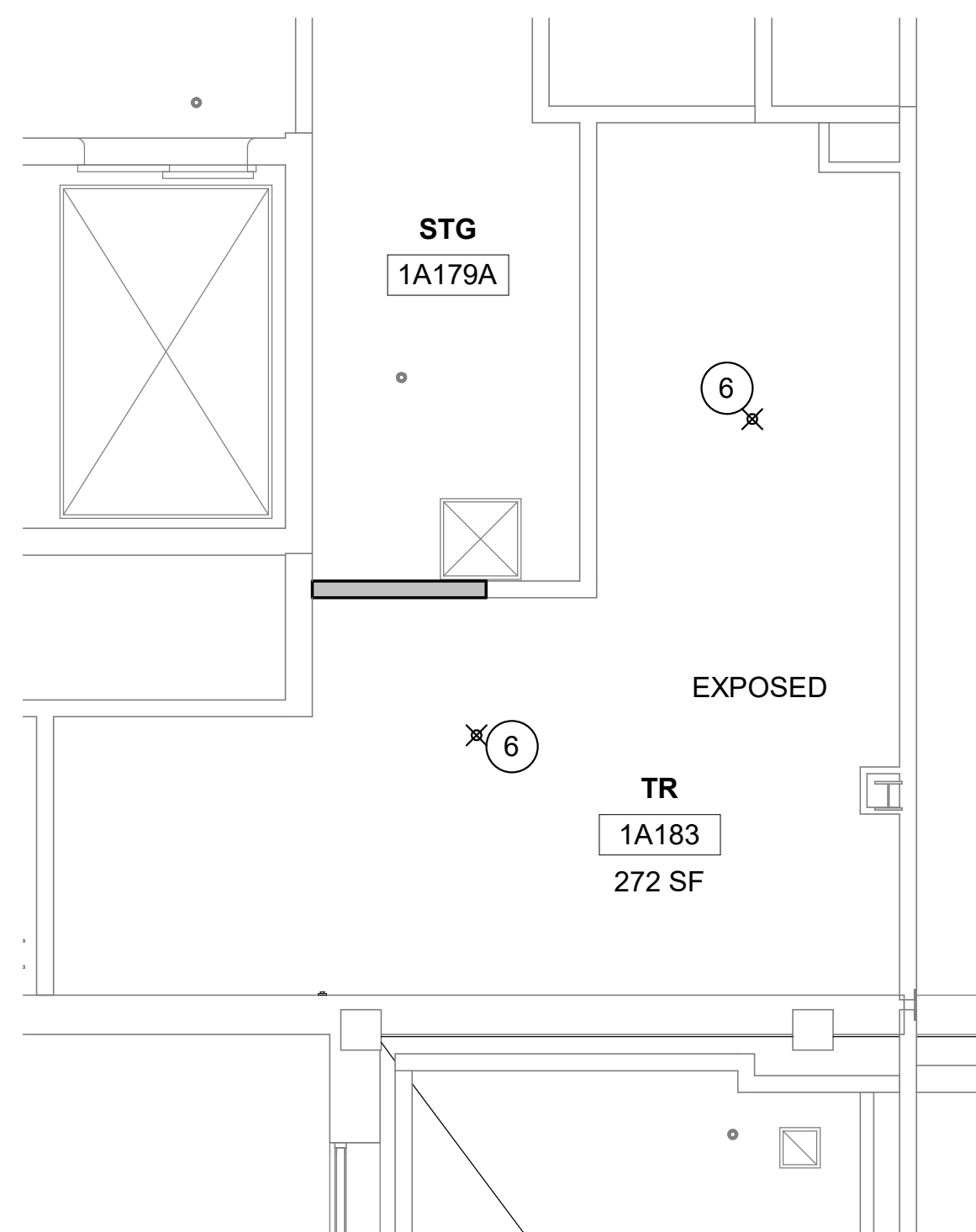
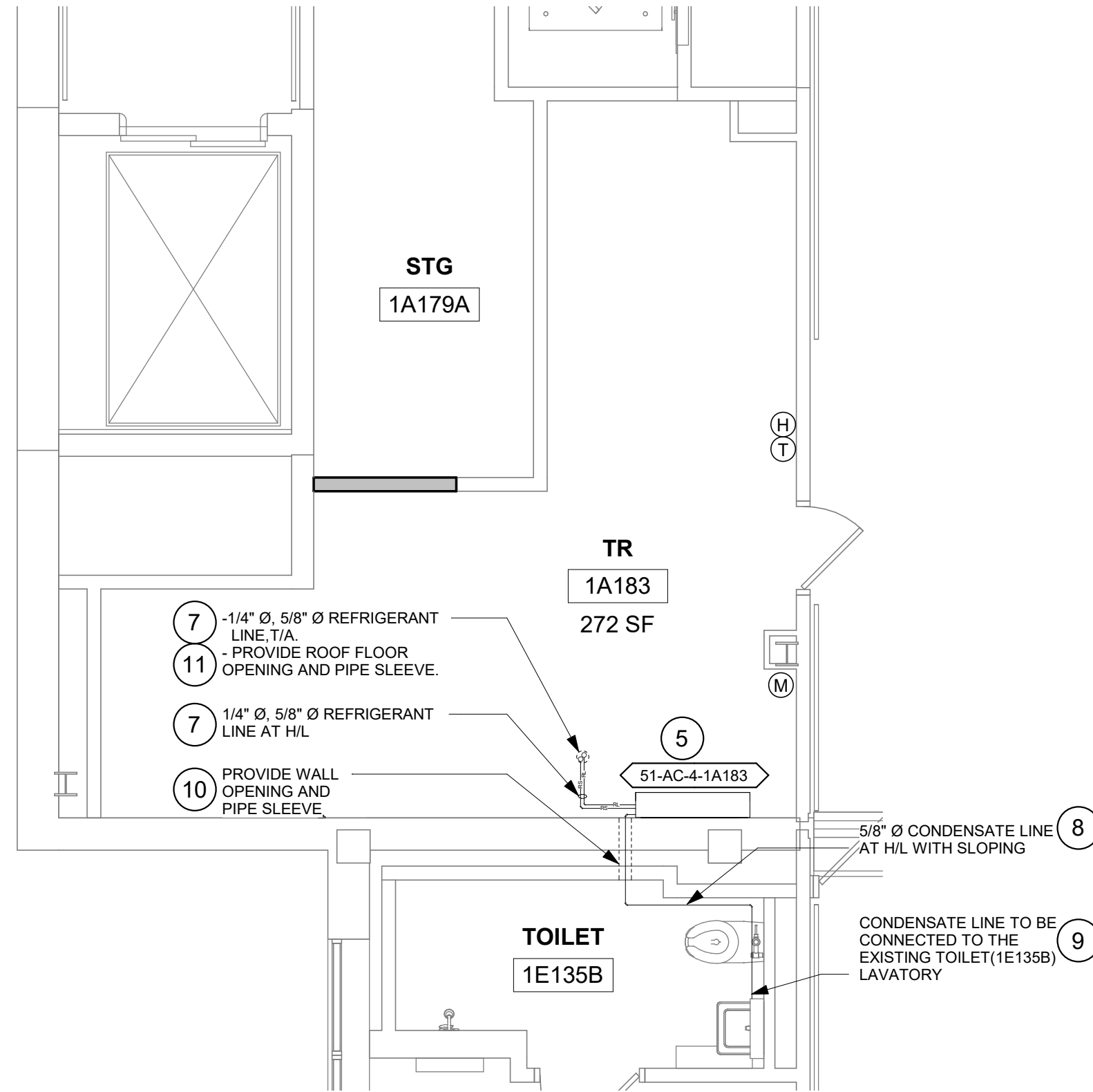
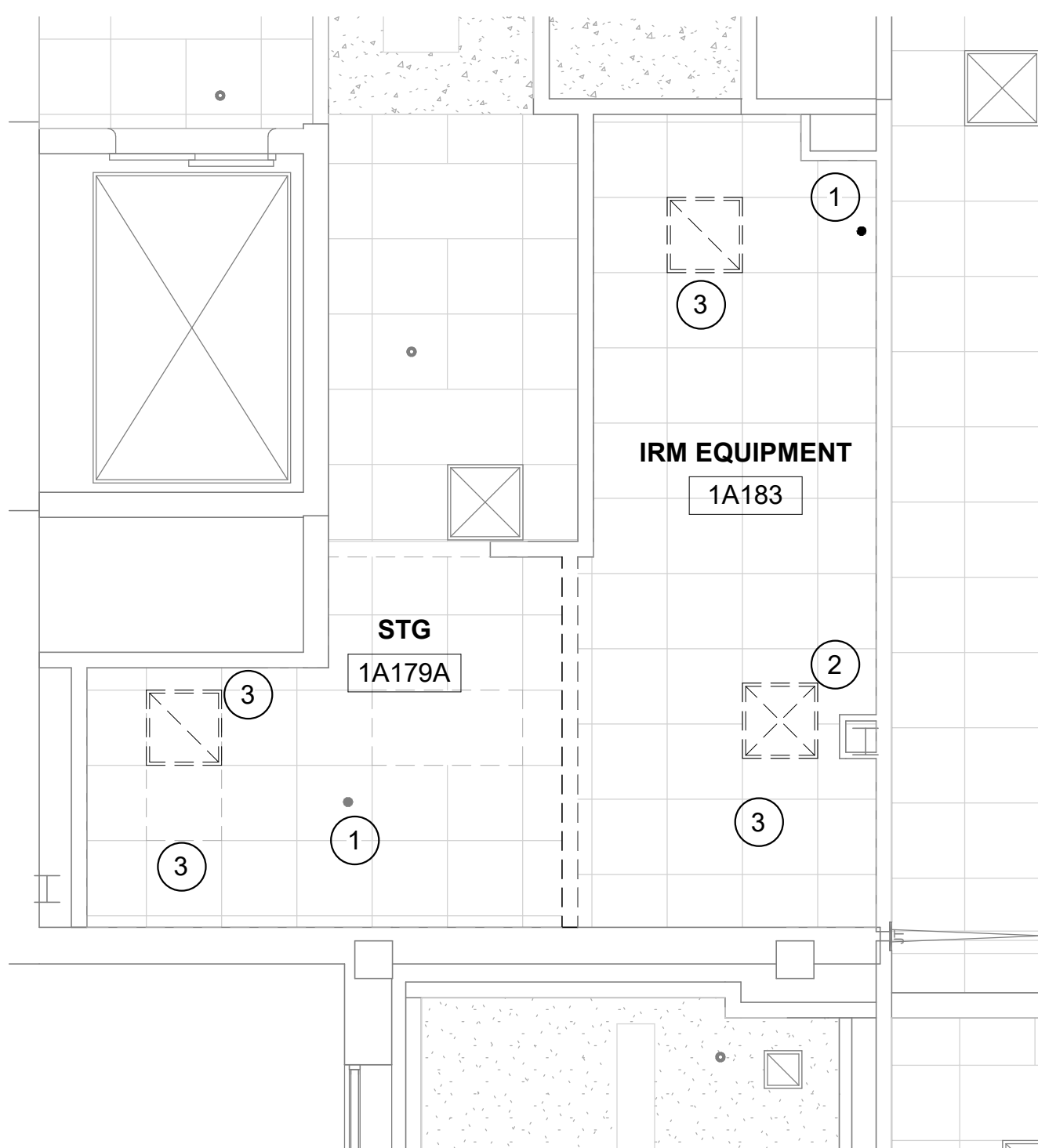
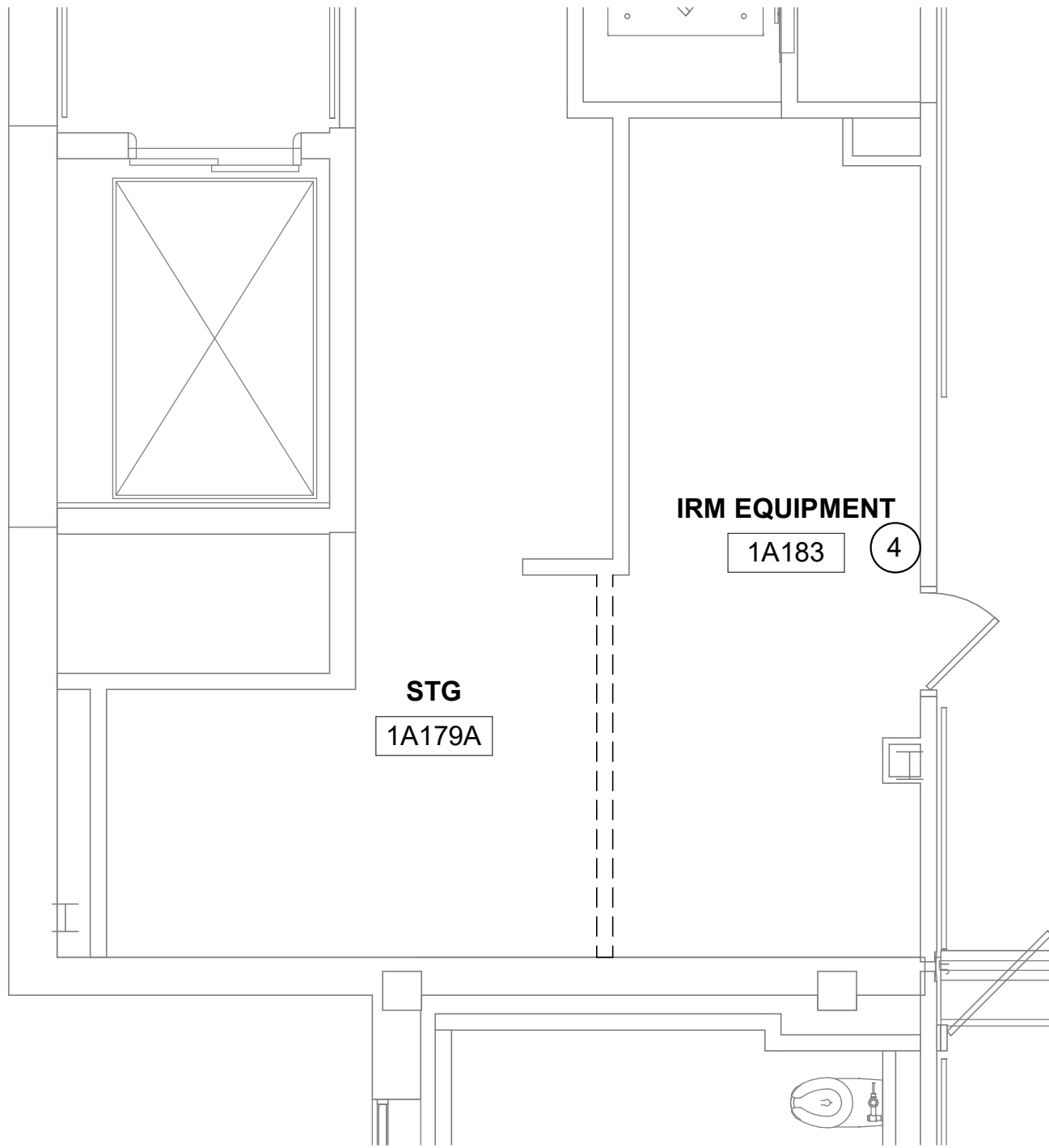


1 RM 1A102 - DEMO FLOOR PLAN
1/4" = 1'-0"

2 RM 1A102 - DEMO RCP
1/4" = 1'-0"

3 RM 1A102 - FLOOR PLAN
1/4" = 1'-0"

4 RM 1A102 - RCP
1/4" = 1'-0"



5 RM 1A183 - DEMO FLOOR PLAN
1/4" = 1'-0"

6 RM 1A183 - DEMO RCP
1/4" = 1'-0"

7 RM 1A183 - FLOOR PLAN
1/4" = 1'-0"

8 RM 1A183 - RCP
1/4" = 1'-0"

GENERAL NOTES

1. CONTRACTOR MUST VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE BEGINNING ANY FABRICATION OR CONSTRUCTION.
2. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES, VA STANDARDS AND SPECIFICATIONS.
3. CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
4. COORDINATE INSTALLATION OF EQUIPMENT AND MATERIALS WITH OTHER TRADES. DO NOT ROUTE CONDENSATE PIPING OVER ELECTRICAL PANELS OR ELECTRONIC EQUIPMENT.
5. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND OWNER PRIOR TO ANY CUTTING OF WALLS AND ROOF.
6. IF FLOOR OR RATED WALL PENETRATIONS CANNOT BE FIRE STOPPED AT THE END OF THE WORK SHIFT, TEMPORARY FIRESTOPPING COMPOSED OF MINERAL WOOL SHALL BE INSTALLED IN THE PENETRATION TO PROVIDE PROTECTION AGAINST FIRE/SMOKE SPREAD THROUGH THE UNSEALED PENETRATION.

DEMOLITION GENERAL NOTES

1. REFER TO ALL DRAWINGS FOR COORDINATION BETWEEN DEMOLITION AND NEW WORK. COORDINATE DEMOLITION WORK WITH THAT OF OTHER TRADES.
2. COORDINATE SALVAGE AND REUSE OF EXISTING EQUIPMENT WITH OWNER. ITEMS OF VALUE WHICH ARE NOT DIRECTED TO BE RETURNED TO THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR. STORAGE OR SALE OF ITEMS ON THE PROJECT SITE IS PROHIBITED.
3. PROTECTION: CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, COVERING, AND SEALING EXISTING EQUIPMENT AND SURROUNDINGS DURING DEMOLITION FROM DIRT, DUST AND DEBRIS. ENSURE THE SAFE PASSAGE OF PERSONS IN AND AROUND BUILDING DURING DEMOLITION. PREVENT INJURY TO PERSONS AND DAMAGE TO PROPERTY. PROVIDE ADEQUATE SHORING AND BRACING TO PREVENT COLLAPSE. IMMEDIATELY REPAIR DAMAGED PROPERTY TO THE CONDITION BEFORE BEING DAMAGED. TAKE EFFECTIVE MEASURES TO PREVENT DUST MIGRATION.
4. UTILITIES: MAINTAIN ALL UTILITIES EXCEPT THOSE REQUIRING REMOVAL OR RELOCATION. KEEP UTILITIES IN SERVICE AND PROTECT FROM DAMAGE. DO NOT INTERRUPT UTILITIES SERVING AREAS OUTSIDE OF PRESENT SCOPE WITHOUT FIRST OBTAINING PERMISSION FROM OWNER. PROVIDE TEMPORARY SERVICES AS REQUIRED.
5. REMOVE AND DISPOSE OF EXISTING MECHANICAL EQUIPMENT AS SHOWN, UNLESS NOTED OTHERWISE. COORDINATE WITH ARCHITECTURAL PLANS, AREAS OF DEMOLITION AROUND, ADJACENT, OR CONNECTED TO EXISTING MECHANICAL EQUIPMENT THAT IS TO REMAIN.

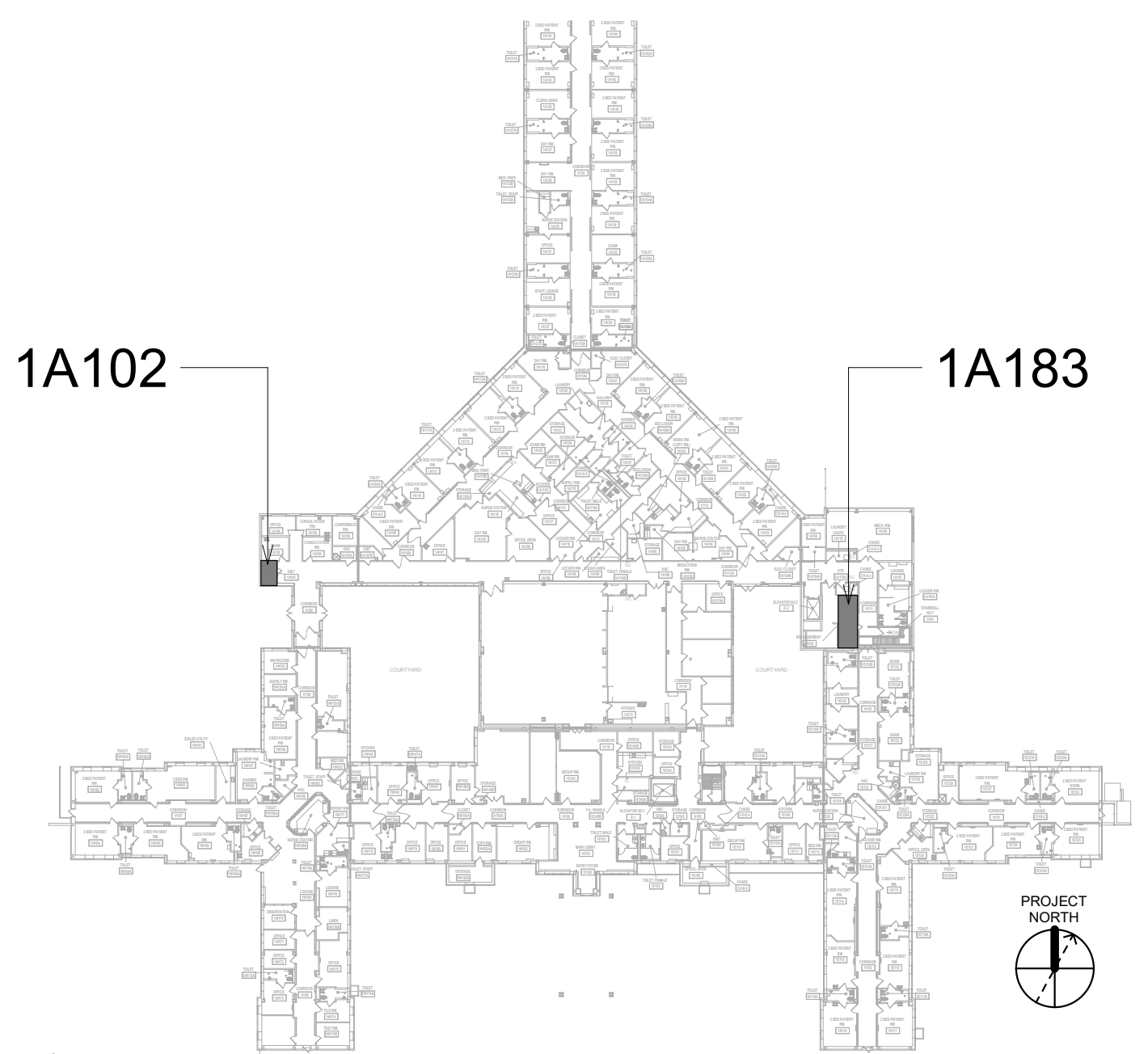
FIRE PROTECTION NOTES

1. ALL TELECOM ROOMS TO HAVE EXISTING QUICK RESPONSE SPRINKLERS REPLACED WITH STANDARD RESPONSE SPRINKLERS.
2. ROOMS THAT DON'T HAVE CEILINGS (EXPOSED TO STRUCTURE) SHALL HAVE THE BRANCH PIPING MODIFIED TO TURN THE SPRINKLER UPRIGHT. PROVIDE SPRINKLER PROTECTION CAGE.
3. ROOMS WITH FINISHED CEILINGS SHALL HAVE SPRINKLER LOCATIONS ADJUSTED AS NEEDED FOR APPROPRIATE COVERAGE PER LATEST EDITION OF NFPA 13.
4. TELECOM ROOMS CONSIDERED LIGHT HAZARD FOR SPRINKLER HEAD DENSITY.
5. SPRINKLER HEADS MUST BE REPLACED AT THE SAME TIME AS THE CEILING IS DEMOLISHED.

KEYNOTES

1. DEMO SPRINKLER.
2. DEMO SPRINKLER AND BRANCH LINE. CAP AT MAIN.
3. DEMO CEILING SUPPLY AND RETURN GRILLE. DEMO DUCT TO MAIN. CAP/SEAL MAIN DUCT.
4. RELOCATE TEMPTRAK SENSOR.
5. INSTALL NEW DUCTLESS SPLIT COOLING UNIT.
6. EXTEND SPRINKLER LINE TO NEW LOCATION. INSTALL NEW STANDARD RESPONSE SPRINKLER IN UPRIGHT POSITION. PROVIDE CAGE GUARD.
7. INSTALL NEW REFRIGERANT LINES (INDOOR UNIT TO OUTDOOR UNIT). PROVIDE PIPE INSULATION PROVIDE PIPE SUPPORT.
8. INSTALL NEW CONDENSATE LINE. PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT. PITCH THE CONDENSATE DRAIN LINE IN THE DIRECTION OF FLOW. PROVIDE CLEANOUTS AT EACH TURN IN THE DIRECTION OF FLOW.
9. REFER TO M-501 FOR INDIRECT DRAIN FOR SINK DETAIL.
10. REFER TO M-502 FOR PIPE THRU WALL DETAIL.
11. REFER TO M-502 FOR PIPE THRU FLOOR DETAIL.

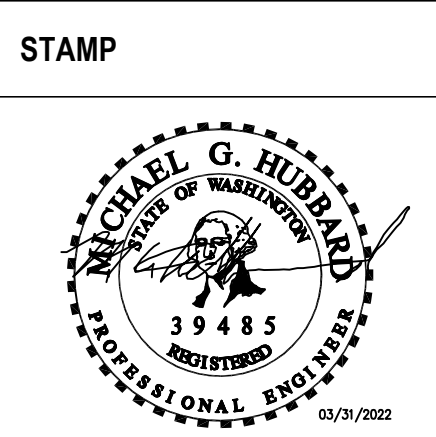
KEY PLAN



Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
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625 1ST AVE, STE 301
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RAY SPEES



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

Drawing Title
BLDG 51 - FLOOR 01 - DEMO,
FLOOR PLANS & RCPS

Approved:

Phase
CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

Checked
MGH

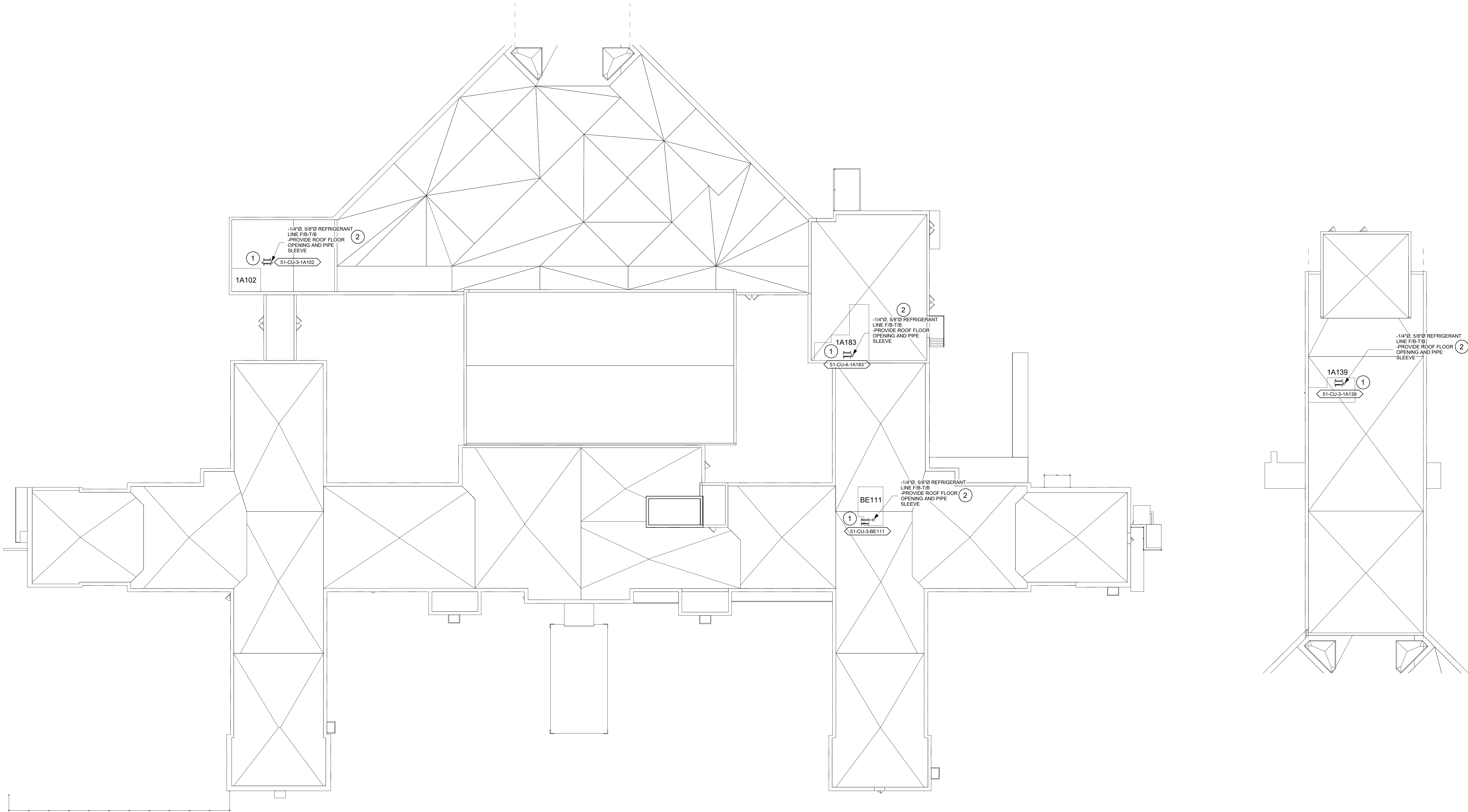
Drawn
MM/OBJJCY

Project Number
657-21-701JB
Building Number
51

Drawing Number
51M-101b
101 OF 435

KEYNOTES #

1. REFER TO M-501 FOR CONDENSING UNIT ROOF MOUNT SUPPORT DETAIL.
2. REFER TO M-501 FOR LINESET FLASHING DETAIL.



1 BLDG. 51 - ROOF PLAN - SOUTH
1/16" = 1'-0"

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VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE
UNIFICATION OR CONSTRUCTION.

1. ACCORDANCE WITH APPLICABLE CODES, VA STANDARDS
AND:

1.1. INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH
RECOMMENDATIONS.

1.2. INSTALLATION OF EQUIPMENT AND MATERIALS WITH OTHER TRADES.
1.2.1. CONDENSE PIPING OVER ELECTRICAL PANELS OR ELECTRONIC
EQUIPMENT.

1.3. COORDINATE WITH GENERAL CONTRACTOR AND OWNER
TRACING OF WALLS AND ROOF.

1.4. WALL PENETRATIONS CANNOT BE FIRE STOPPED AT THE END
OF THE TENDON. THE PENETRATING COMPOSED OF MINERAL WOOL
AND IN THE PENETRATION TO PROVIDE PROTECTION AGAINST
FIRE THROUGH THE UNSEALED PENETRATION.

ER. ALL DRAWINGS FOR COORDINATION BETWEEN DEMOLITION AND NEW
RK. COORDINATE DEMOLITION WORK WITH THAT OF OTHER TRADES.
ORDINATE SALVAGE AND REUSE OF EXISTING EQUIPMENT WITH OWNER. ITEMS
VALUE WHICH ARE NOT DIRECTED TO BE RETURNED TO THE OWNER, SHALL
BE THE PROPERTY OF THE CONTRACTOR. STORAGE OR SALE OF ITEMS ON
PROJECT SITE IS PROHIBITED.
SECTION: CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, COVERING,
SEALING EXISTING EQUIPMENT AND SURROUNDINGS DURING DEMOLITION FROM
DUST AND DEBRIS. ENSURE THE SAFE PASSAGE OF PERSONS IN AND AROUND
DURING DEMOLITION. PREVENT INJURY TO PERSONS AND DAMAGE TO
PERTY. PROVIDE ADEQUATE SHORING AND BRACING TO PREVENT COLLAPSE.
IMMEDIATELY REPAIR DAMAGED PROPERTY TO THE CONDITION BEFORE BEING
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REQUIRED.
REMOVE AND DISPOSE OF EXISTING MECHANICAL EQUIPMENT AS SHOWN, UNLESS
ORDERED OTHERWISE. COORDINATE WITH ARCHITECTURAL PLANS. AREAS OF
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TELECOM ROOMS TO HAVE EXISTING QUICK RESPONSE SPRINKLERS REPLACED A STANDARD RESPONSE SPRINKLERS.

ROOMS THAT DO NOT HAVE CEILING(S) EXPOSED TO STRUCTURE) SHALL HAVE THE CEILING(S) REMOVED OR MODIFIED TO TURN THE SPRINKLER UPRIGHT. PROVIDE SPRINKLER PROTECTION CAGE.

ROOMS WITH FINISHED CEILINGS SHALL HAVE SPRINKLER LOCATIONS ADJUSTED AS NEEDED FOR APPROPRIATE COVERAGE PER LATEST EDITION OF NFPA 13.

ALL ROOMS SHOULD BE CONSIDERED LIGHT HAZARD FOR SPRINKLER HEAD DENSITY. INKLER HEADS MUST BE REPLACED AT THE SAME TIME AS THE CEILING IS OULISHED.

O SPRINKLER.
 O CEILING SUPPLY GRILLE. DEMO DUCT TO MAIN. CAP/SEAL MAIN DUCT.
 O WALL STANDARD RESPONSE SPRINKLER.
 O ALL NEW IN-LINE TRANSFER FAN. PROVIDE TEMPERATURE AND HUMIDITY
 SENSOR BY CONTROLS CONTRACTOR. REFER TO M-501 FOR IN-LINE CEILING
 TRANSFER FAN AND DETAIL.
 O IN-TAKE CEILING GRILLES. REFER TO M-502 FOR SUPPLY GRILLE AND INTAKE
 LE SIZE.
 O REFER TO M-501 FOR FLEXIBLE DUCT CONNECTIONS DETAIL.
 O REFER TO M-501 FOR DIFFUSER BOX DETAIL.
 O REFER TO M-501 FOR ROUND DUCT THRU WALL DETAIL.

109

UP

REC

OFFICE 114

OFFICE 115

OFFICE 116

BREAK RM 108

EXAM / TREATMENT 116

OFFICE 104

CORRIDOR C101

OFFICE 113

OFFICE 112

OFFICE 111

CORRIDOR C102

OFFICE 109

OFFICE 108

CORRIDOR C103

CORRIDOR C104

OFFICE 103

REC

OFFICE / EXAM 119

WORK RM 107

WAITING RM 110

VESTIBULE C105

CORRIDOR C106

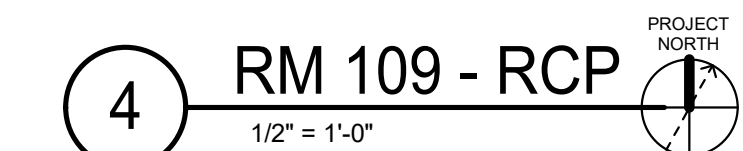
TOILET / FEMALE 105

TOILET / MALE 104

MC 102

DN

PROJECT NORTH



VA FORM 08 - 6231									
1	2	3	4	5	6	7	8	9	10

A

B

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GENERAL NOTES

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2. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES, VA STANDARDS AND SPECIFICATIONS.
3. CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
4. COORDINATE INSTALLATION OF EQUIPMENT AND MATERIALS WITH OTHER TRADES. DO NOT ROUTE CONDENSATE PIPING OVER ELECTRICAL PANELS OR ELECTRONIC EQUIPMENT.
5. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND OWNER PRIOR TO ANY CUTTING OF WALLS AND ROOF.
6. IF FLOOR OR RATED WALL PENETRATIONS CANNOT BE FIRE STOPPED AT THE END OF THE WORK SHIFT, TEMPORARY FIRESTOPPING COMPOSED OF MINERAL WOOL SHALL BE INSTALLED IN THE PENETRATION TO PROVIDE PROTECTION AGAINST FIRE/SMOKE SPREAD THROUGH THE UNSEALED PENETRATION.

DEMOLITION GENERAL NOTES

1. REFER TO ALL DRAWINGS FOR COORDINATION BETWEEN DEMOLITION AND NEW WORK. COORDINATE DEMOLITION WORK WITH THAT OF OTHER TRADES.
2. COORDINATE SALVAGE AND REUSE OF EXISTING EQUIPMENT WITH OWNER. ITEMS OF VALUE WHICH ARE NOT DIRECTED TO BE RETURNED TO THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR. STORAGE OR SALE OF ITEMS ON THE PROJECT SITE IS PROHIBITED.
3. PROTECTION: CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, COVERING, AND SEALING EXISTING EQUIPMENT AND SURROUNDINGS DURING DEMOLITION FROM DIRT, DUST AND DEBRIS. ENSURE THE SAFE PASSAGE OF PERSONS IN AND AROUND BUILDING DURING DEMOLITION. PREVENT INJURY TO PERSONS AND DAMAGE TO PROPERTY. PROVIDE ADEQUATE SHORING AND BRACING TO PREVENT COLLAPSE. IMMEDIATELY REPAIR DAMAGED PROPERTY TO THE CONDITION BEFORE BEING DAMAGED. TAKE EFFECTIVE MEASURES TO PREVENT DUST MIGRATION.
4. UTILITIES: MAINTAIN ALL UTILITIES EXCEPT THOSE REQUIRING REMOVAL OR RELOCATION. KEEP UTILITIES IN SERVICE AND PROTECT FROM DAMAGE. DO NOT INTERRUPT UTILITIES SERVING AREAS OUTSIDE OF PRESENT SCOPE WITHOUT FIRST OBTAINING PERMISSION FROM OWNER. PROVIDE TEMPORARY SERVICES AS REQUIRED.
5. REMOVE AND DISPOSE OF EXISTING MECHANICAL EQUIPMENT AS SHOWN, UNLESS NOTED OTHERWISE. COORDINATE WITH ARCHITECTURAL PLANS, AREAS OF DEMOLITION AROUND, ADJACENT, OR CONNECTED TO EXISTING MECHANICAL EQUIPMENT THAT IS TO REMAIN.

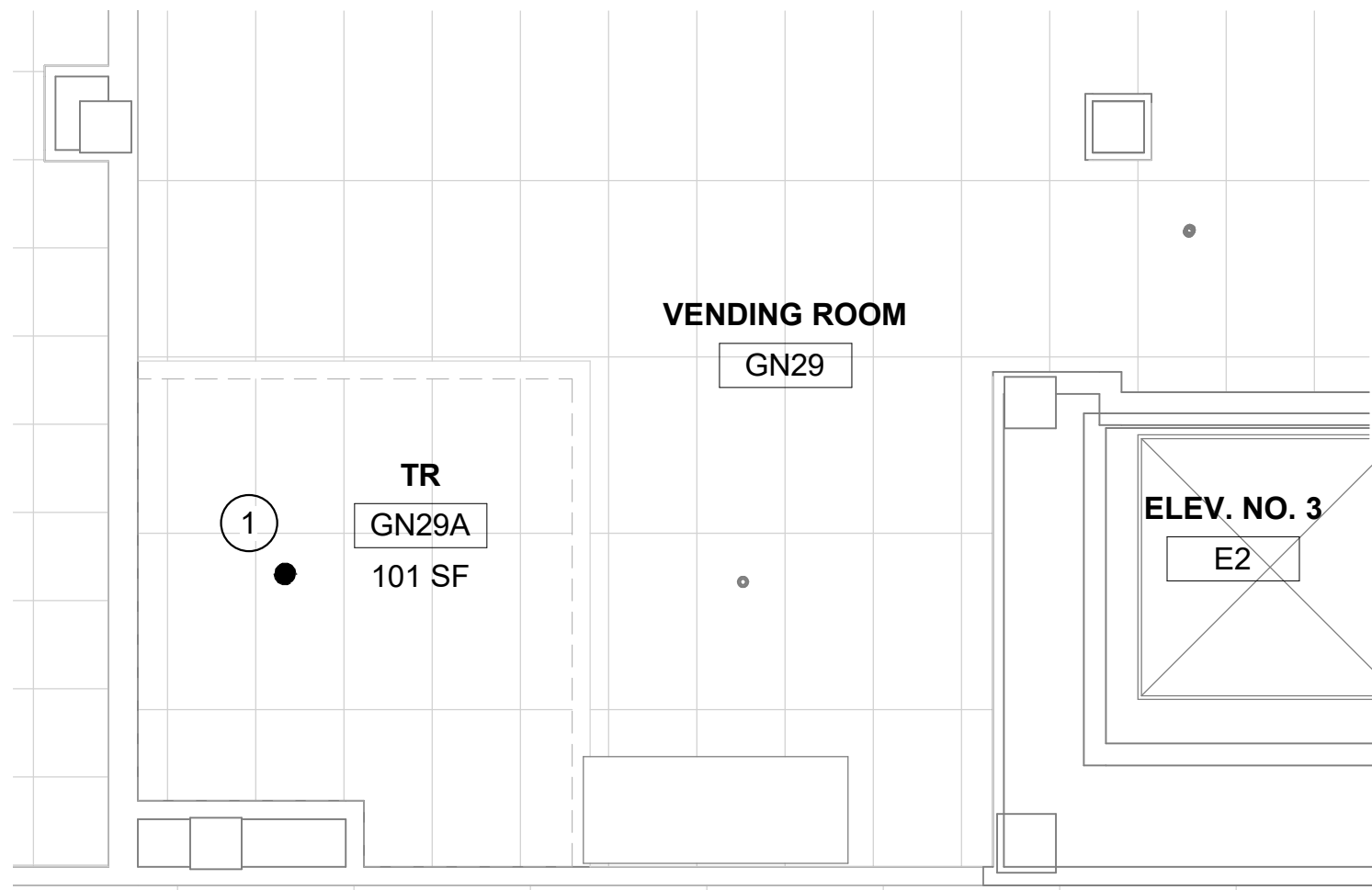
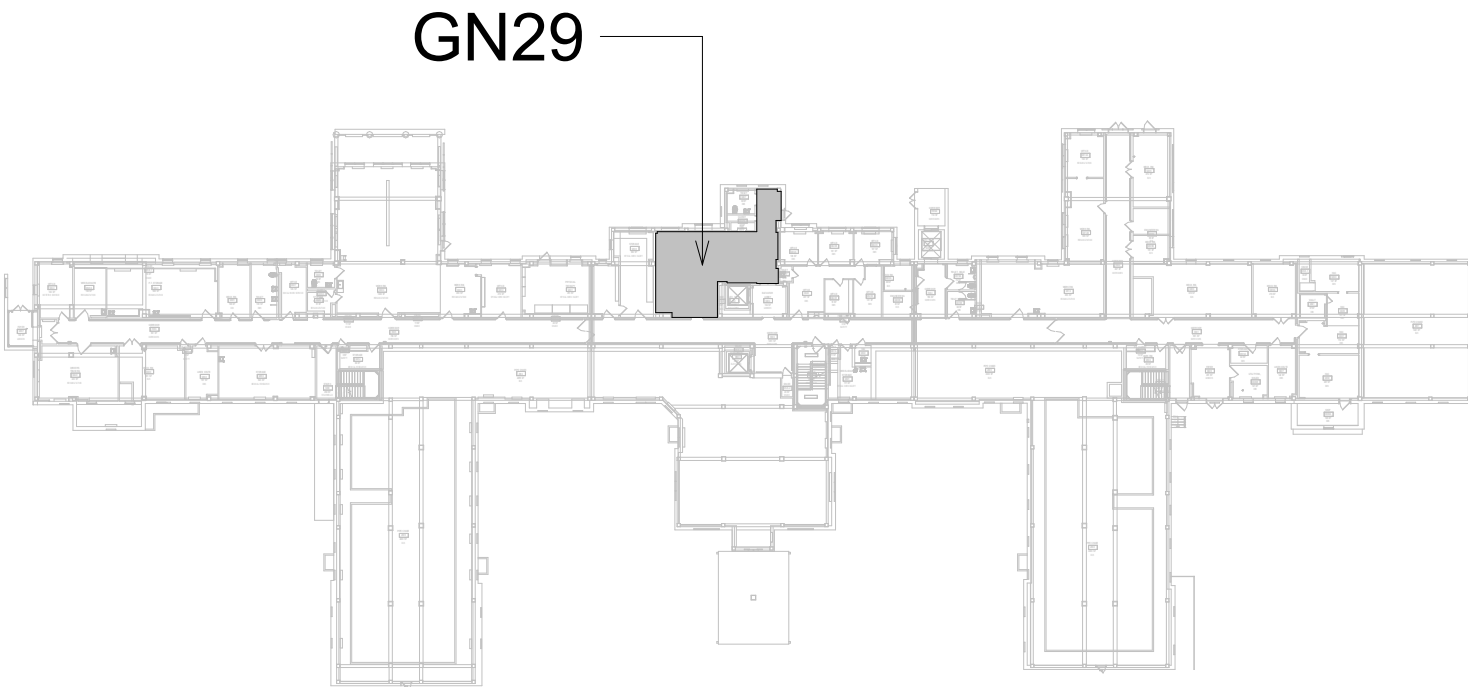
FIRE PROTECTION NOTES

1. ALL TELECOM ROOMS TO HAVE EXISTING QUICK RESPONSE SPRINKLERS REPLACED WITH STANDARD RESPONSE SPRINKLERS.
2. ROOMS THAT DONT HAVE CEILINGS (EXPOSED TO STRUCTURE) SHALL HAVE THE BRANCH PIPING MODIFIED TO TURN THE SPRINKLER UPRIGHT. PROVIDE SPRINKLER PROTECTION CAGE.
3. ROOMS WITH FINISHED CEILINGS SHALL HAVE SPRINKLER LOCATIONS ADJUSTED AS NEEDED FOR APPROPRIATE COVERAGE PER LATEST EDITION OF NFPA 13.
4. TELECOM ROOMS CONSIDERED LIGHT HAZARD FOR SPRINKLER HEAD DENSITY.
5. SPRINKLER HEADS MUST BE REPLACED AT THE SAME TIME AS THE CEILING IS DEMOLISHED.

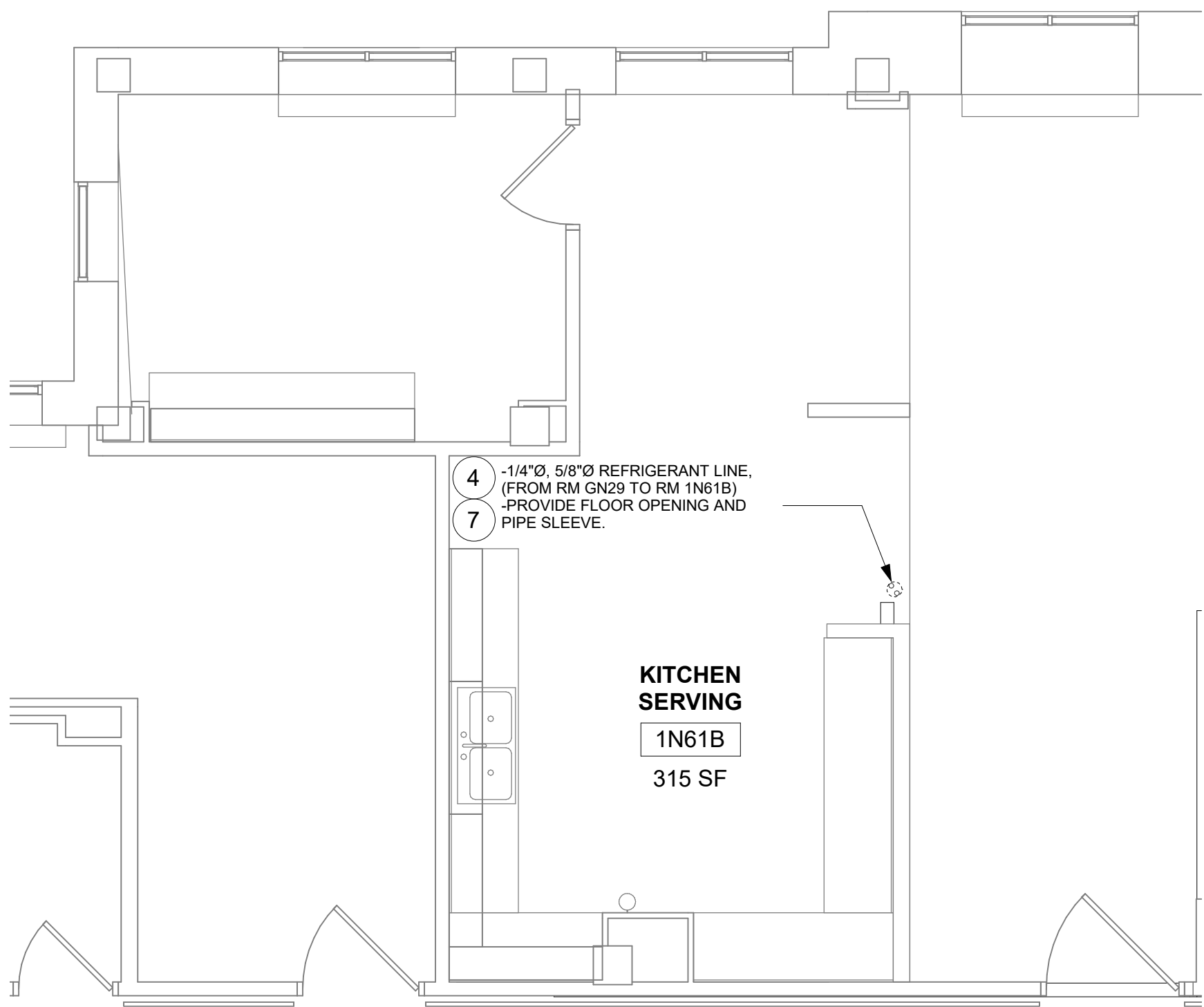
KEYNOTES #

1. DEMO SPRINKLER.
2. INSTALL NEW DUCTLESS SPLIT COOLING UNIT.
3. INSTALL NEW STANDARD RESPONSE SPRINKLER IN UPRIGHT POSITION. PROVIDE CAGE GUARD.
4. INSTALL NEW REFRIGERANT LINES (INDOOR UNIT TO OUTDOOR UNIT). PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT.
5. INSTALL NEW CONDENSATE LINE. PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT. PITCH THE CONDENSATE DRAIN LINE IN THE DIRECTION OF FLOW. PROVIDE CLEANOUTS AT EACH TURN IN THE DIRECTION OF FLOW.
6. CONTRACTOR TO ROUTE CONDENSATE PIPING TO THE NEAREST EXTERIOR WALL, PENETRATING THE EXTERIOR WALL AND ROUTING TO TERMINATED AT GRADE.. SECURE PIPE TO EXTERIOR WALL. PAINT CONDENSATE PIPE TO MATCH THE COLOR OF THE EXTERIOR WALL. COORDINATE ROUTING AND DISCHARGE LOCATION WITH COR.
7. REFER TO M-502 FOR PIPE THRU FLOOR DETAIL.
8. REFER TO M-502 FOR PIPE THRU WALL DETAIL.

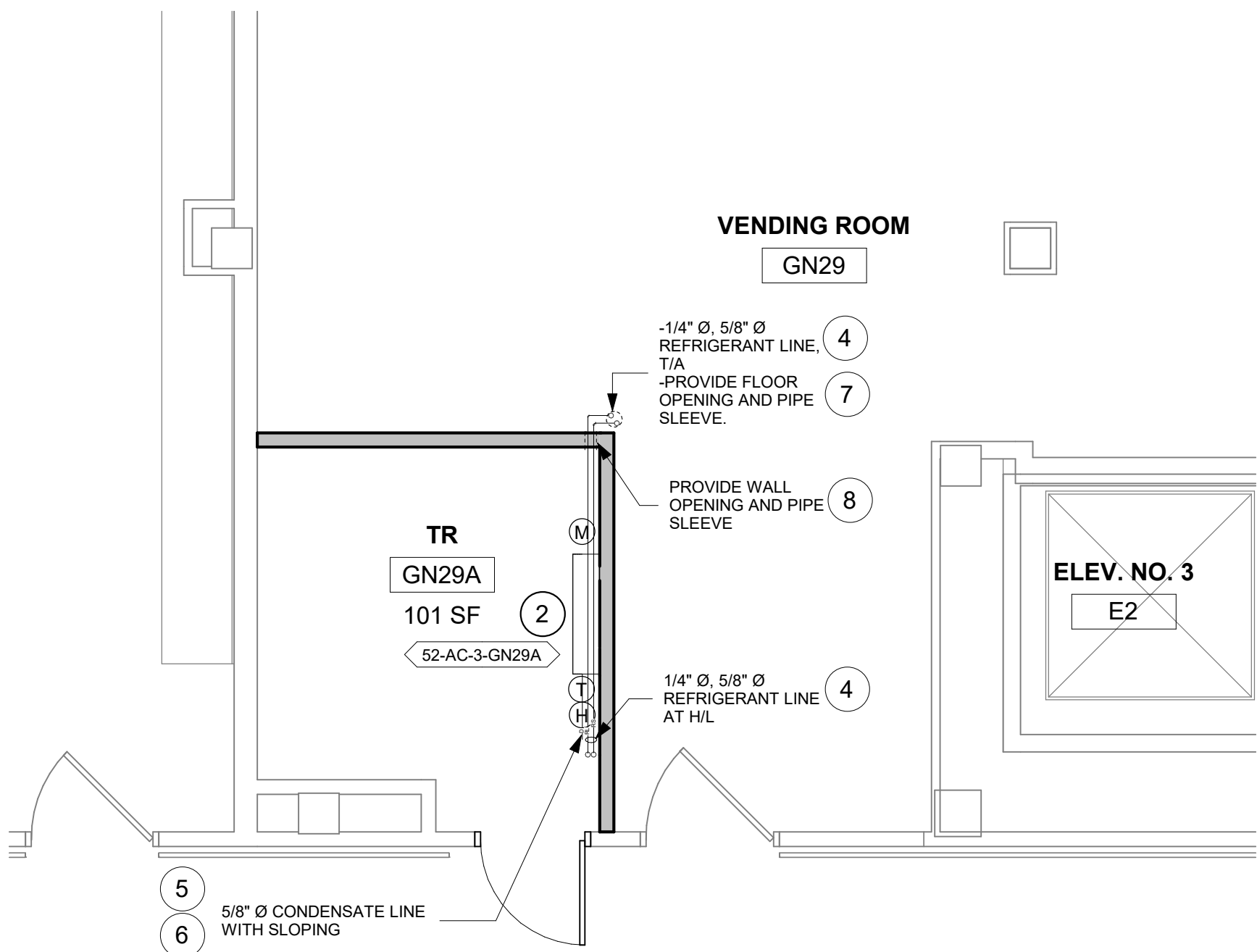
KEY PLAN



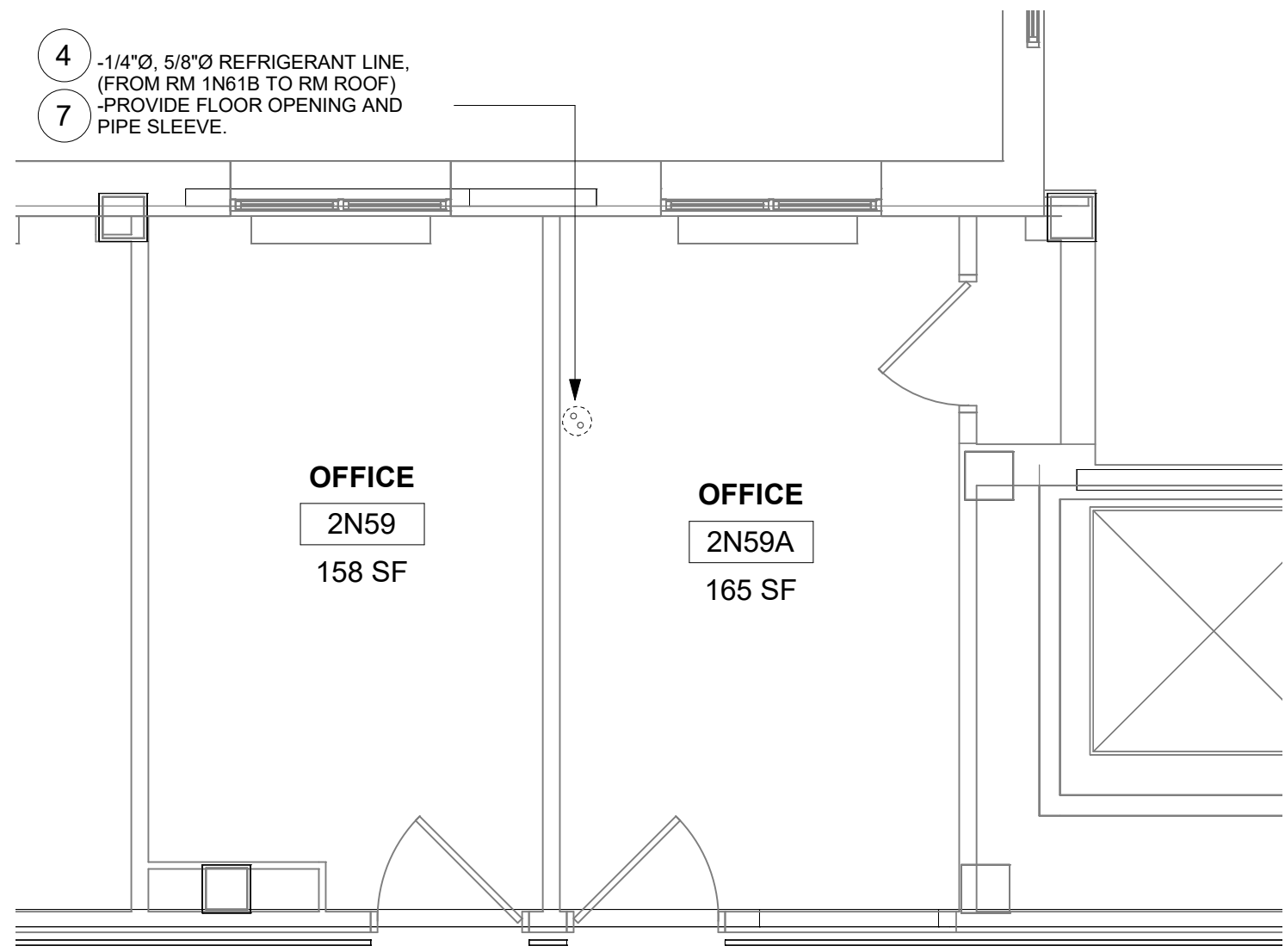
1 RM GN29 - DEMO RCP
1/4" = 1'-0"



2B RM 1N61B - FLOOR PLAN
1/4" = 1'-0"



2A RM GN29 - FLOOR PLAN
1/4" = 1'-0"



2C RM 2N59A - FLOOR PLAN
1/4" = 1'-0"

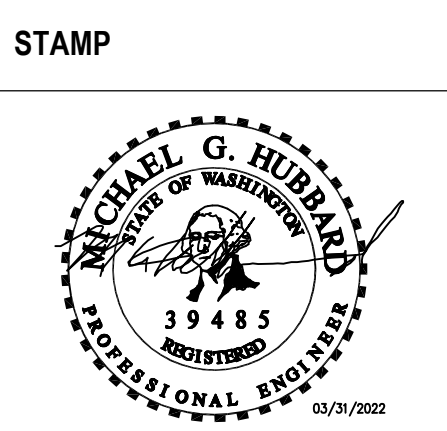


3 RM GN29 - RCP
1/4" = 1'-0"

Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
SPEES DESIGN BUILD
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Office of
Construction
and Facilities
Management
VA U.S. Department
of Veterans Affairs

Drawing Title
BLDG 52 - FLOOR 0 - DEMO,
FLOOR PLANS & RCPS

Approved:

Phase
CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

Checked
MGH

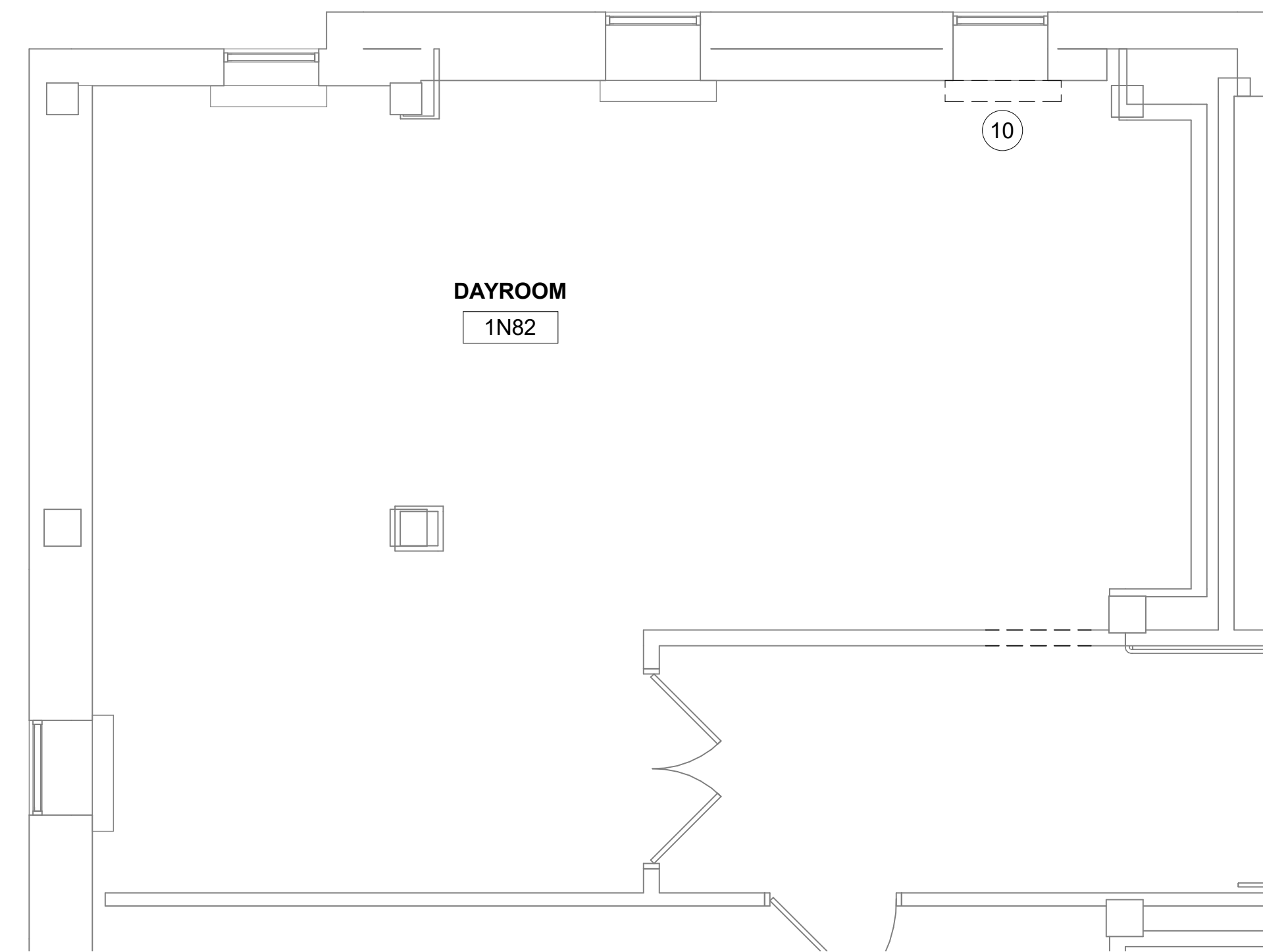
Drawn
MM/OBJ/JCY

Project Number
657-21-701JB

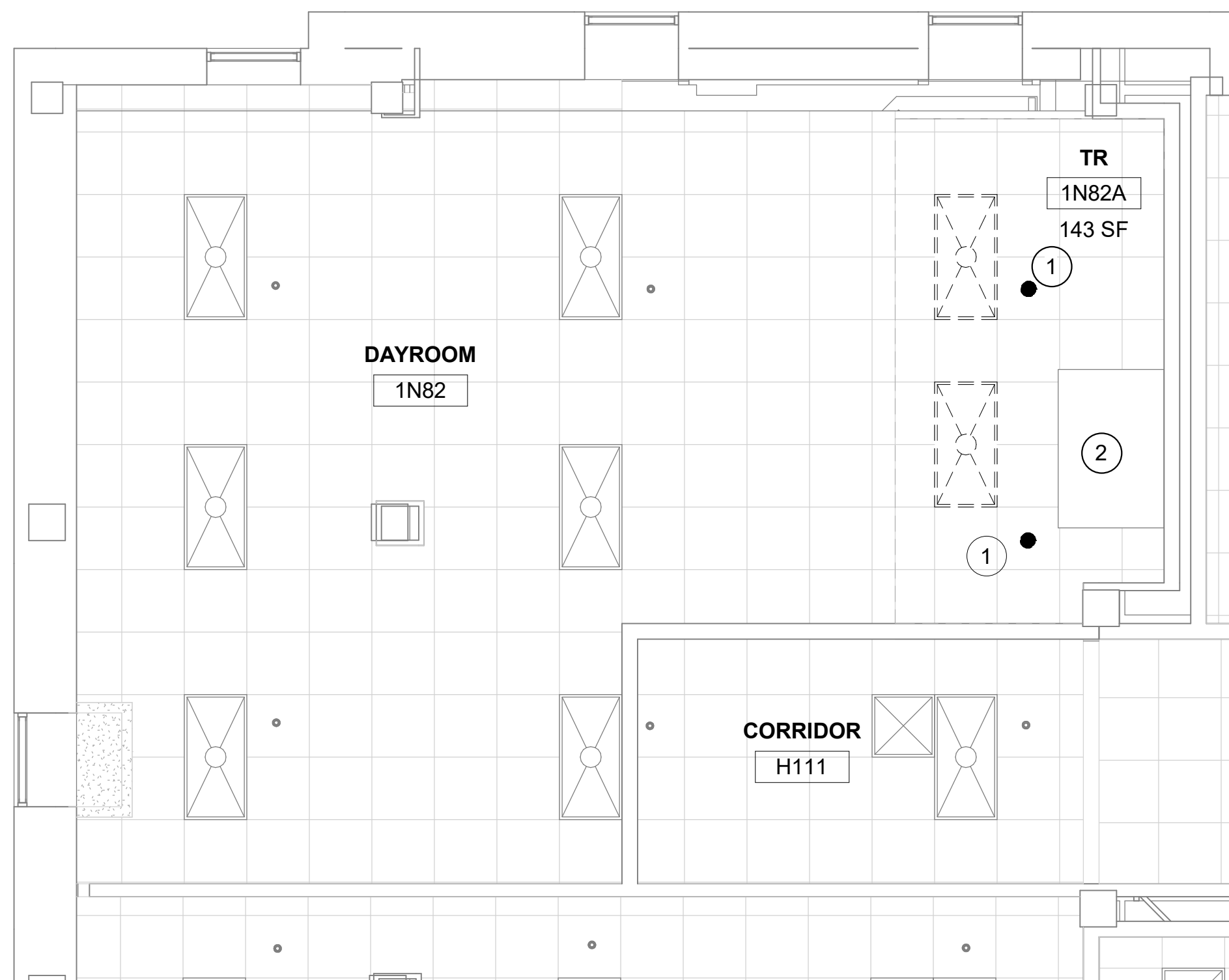
Building Number
52

Drawing Number
52M-100

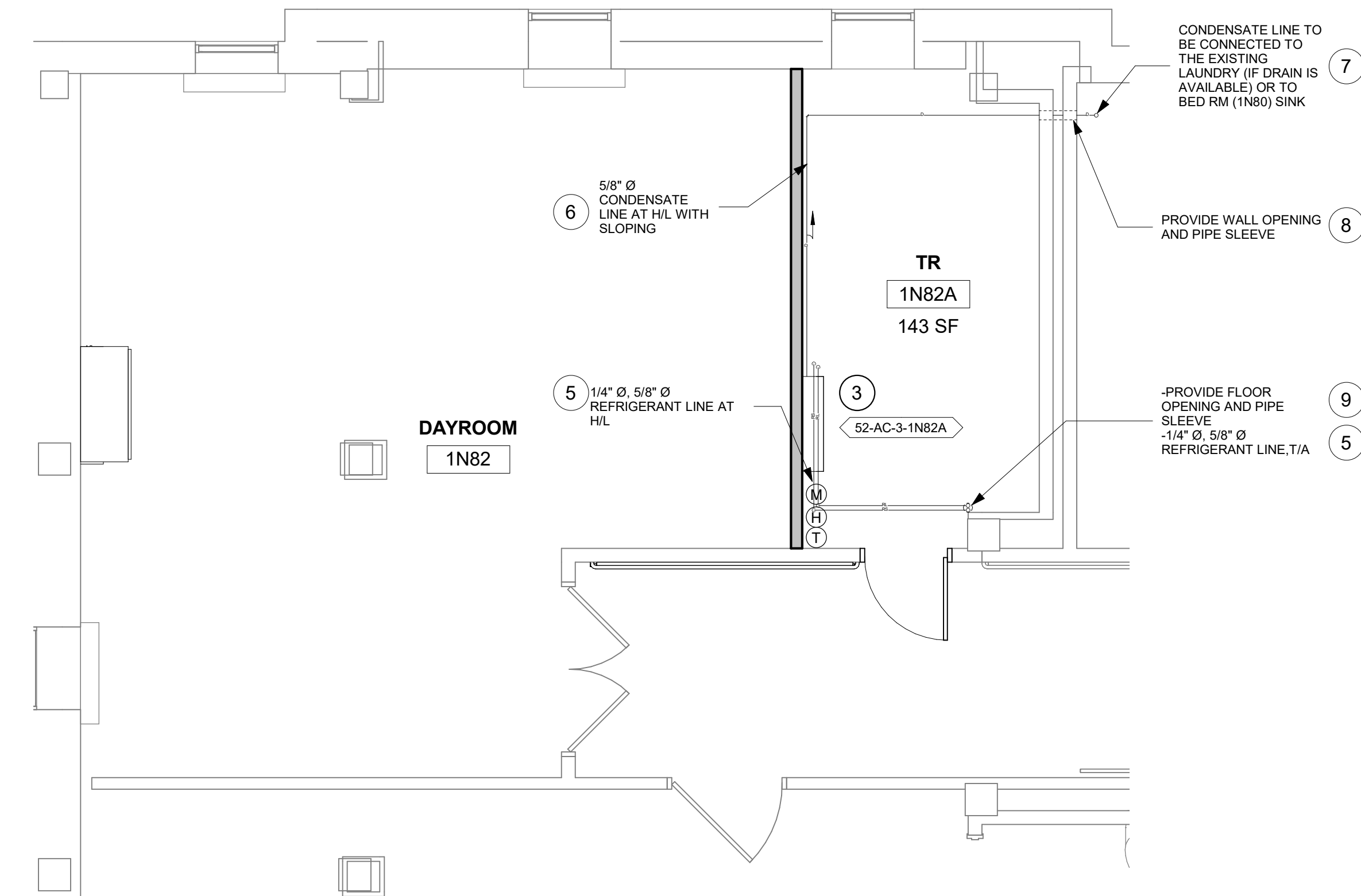
104 OF 435



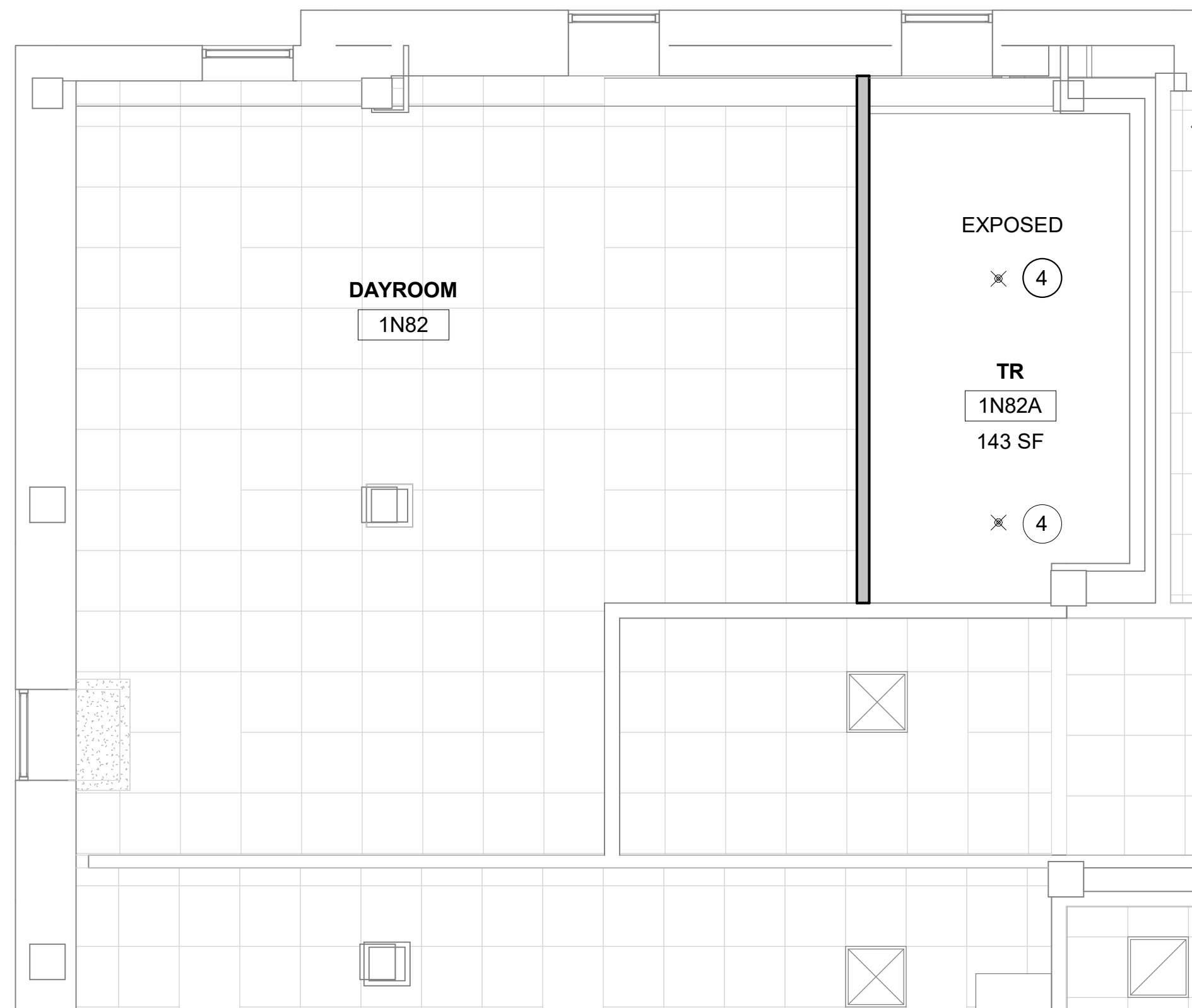
1 RM 1N82 - DEMO FLOOR PLAN
1/4" = 1'-0"



2 RM 1N82 - DEMO RCP
1/4" = 1'-0"



3 RM 1N82A - FLOOR PLAN
1/4" = 1'-0"



4 RM 1N82A- RCP
1/4" = 1'-0"

GENERAL NOTES

- CONTRACTOR MUST VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE BEGINNING ANY FABRICATION OR CONSTRUCTION.
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- COORDINATE INSTALLATION OF EQUIPMENT AND MATERIALS WITH OTHER TRADES. DO NOT ROUTE CONDENSATE PIPING OVER ELECTRICAL PANELS OR ELECTRONIC EQUIPMENT.
- CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND OWNER PRIOR TO ANY CUTTING OF WALLS AND ROOF.
- IF FLOOR OR RATED WALL PENETRATIONS CANNOT BE FIRE STOPPED AT THE END OF THE WORK SHIFT, TEMPORARY FIRESTOPPING COMPOSED OF MINERAL WOOL SHALL BE INSTALLED IN THE PENETRATION TO PROVIDE PROTECTION AGAINST FIRE/SMOKE SPREAD THROUGH THE UNSEALED PENETRATION.

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- REMOVE AND DISPOSE OF EXISTING MECHANICAL EQUIPMENT AS SHOWN, UNLESS NOTED OTHERWISE. COORDINATE WITH ARCHITECTURAL PLANS, AREAS OF DEMOLITION AROUND, ADJACENT, OR CONNECTED TO EXISTING MECHANICAL EQUIPMENT THAT IS TO REMAIN.

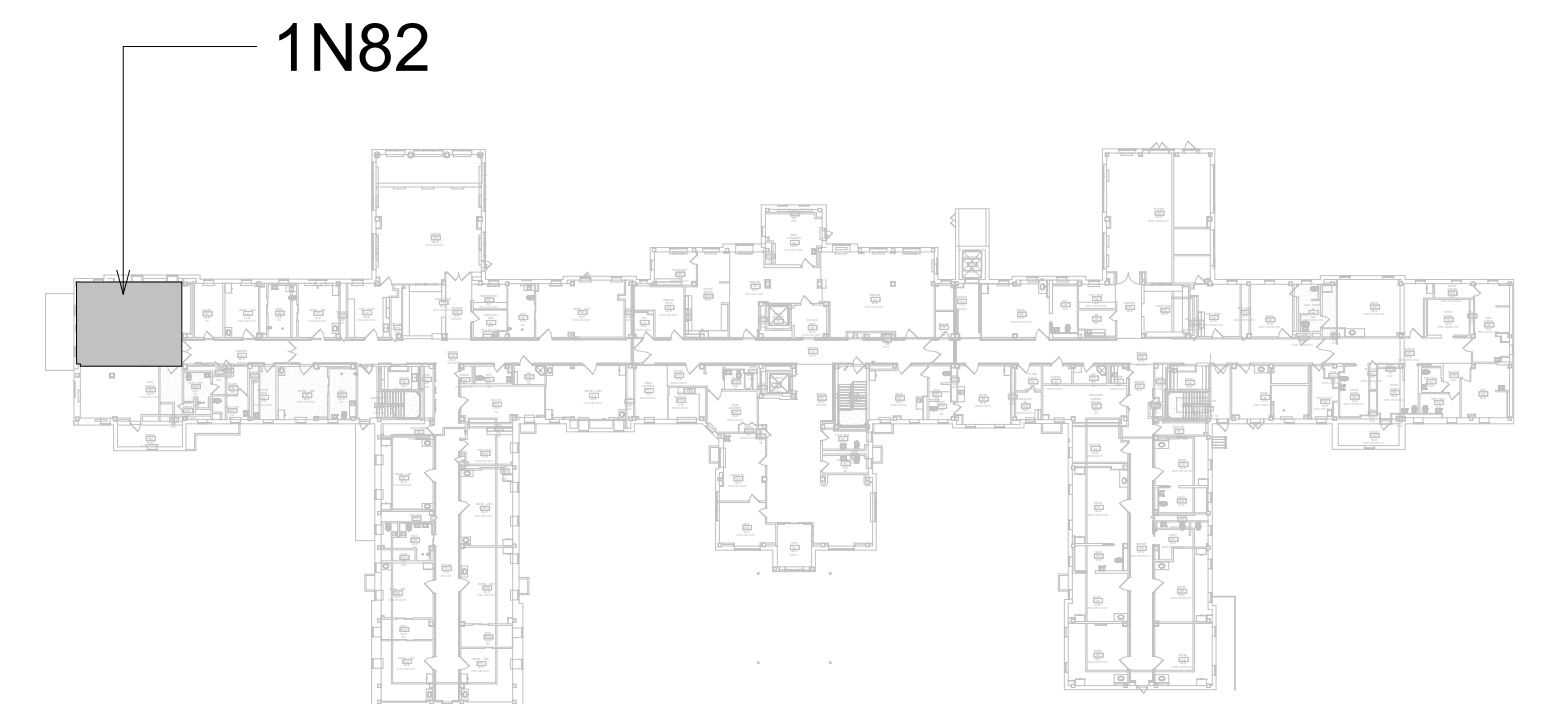
FIRE PROTECTION NOTES

- ALL TELECOM ROOMS TO HAVE EXISTING QUICK RESPONSE SPRINKLERS REPLACED WITH STANDARD RESPONSE SPRINKLERS.
- ROOMS THAT DON'T HAVE CEILINGS (EXPOSED TO STRUCTURE) SHALL HAVE THE BRANCH PIPING MODIFIED TO TURN THE SPRINKLER UPRIGHT. PROVIDE SPRINKLER PROTECTION CAGE.
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KEYNOTES

- DEMO SPRINKLER.
- RELOCATE FAN COIL UNIT & THERMOSTAT FROM WALL. EXTEND & INSULATE HYDRONIC HEATING, CHILLED WATER & CONDENSATE PIPING TO THE NEW FAN COIL LOCATION.
- INSTALL NEW DUCTLESS SPLIT COOLING UNIT.
- INSTALL NEW STANDARD RESPONSE SPRINKLER IN UPRIGHT POSITION. PROVIDE CAGE GUARD.
- INSTALL NEW REFRIGERANT LINES (INDOOR UNIT TO OUTDOOR UNIT). PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT.
- INSTALL NEW CONDENSATE LINE. PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT. PITCH THE CONDENSATE DRAIN LINE IN THE DIRECTION OF FLOW. PROVIDE CLEANOUTS AT EACH TURN IN THE DIRECTION OF FLOW.
- REFER TO M-501 FOR INDIRECT DRAIN FOR SINK DETAIL.
- REFER TO M-502 FOR PIPE THRU WALL DETAIL.
- REFER TO M-502 FOR PIPE THRU FLOOR DETAIL.
- DEMO WALL SURFACE MOUNTED RADIATOR.

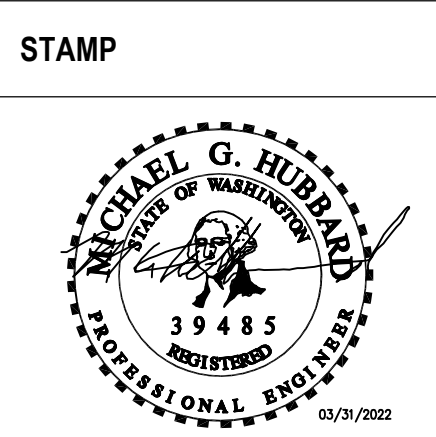
KEY PLAN



Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
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(206) 590-2118
RAY SPEES



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

Drawing Title
BLDG 52 - FLOOR 1 - DEMO,
FLOOR PLANS & RCPS

Approved:

Phase
CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

Checked
MGH

Drawn
MM/OBJJCY

Project Number
657-21-701JB

Building Number
52

Drawing Number
52M-101a

105 OF 435

VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE
ERECTING OR CONSTRUCTION.
IN ACCORDANCE WITH APPLICABLE CODES, VA STANDARDS
AND
11. INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH
RECOMMENDATIONS.
12. INSTALLATION OF EQUIPMENT AND MATERIALS WITH OTHER TRADES.
CONDENSATE PIPING OVER ELECTRICAL PANELS OR ELECTRONIC
EQUIPMENT.
13. COORDINATE WITH GENERAL CONTRACTOR AND OWNER
THE LOCATION OF WALLS AND ROOF.
14. WALL PENETRATIONS CANNOT BE FIRE STOPPED AT THE END
OF THE ROOF OR AT THE TOP OF THE COMPOSED OF MINERAL WOOL
INSULATION. THE PENETRATION TO PROVIDE PROTECTION AGAINST
WATER INfiltration THROUGH THE UNSEALED PENETRATION.

ER TO ALL DRAWINGS FOR COORDINATION BETWEEN DEMOLITION AND NEW
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TECTION: CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, COVERING,
SEALING EXISTING EQUIPMENT AND SURROUNDINGS DURING DEMOLITION FROM
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REMOVE AND DISPOSE OF EXISTING MECHANICAL EQUIPMENT AS SHOWN, UNLESS
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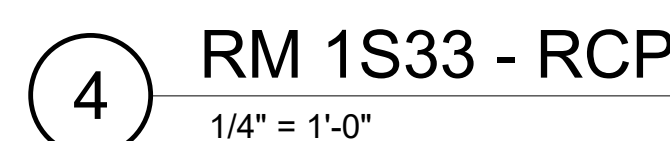
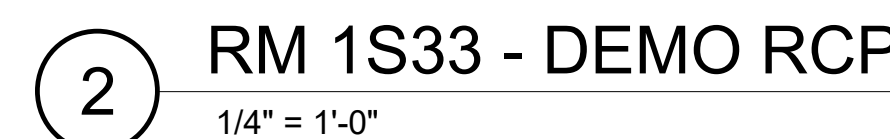
TELECOM ROOMS TO HAVE EXISTING QUICK RESPONSE SPRINKLERS REPLACED H STANDARD RESPONSE SPRINKLERS.

REPAIR OR PATCH HAVE CEILINGS (EXPOSED TO STRUCTURE) SHALL HAVE THE EXISTING PIPING MATCH PIPING MODIFIED TO TURN THE SPRINKLER UPRIGHT. PROVIDE SPRINKLER PROTECTION CEILING.

REPAIR OR PATCH HAVE CEILINGS SHALL HAVE SPRINKLER LOCATIONS ADJUSTED AS NEEDED FOR APPROPRIATE COVERAGE PER LATEST EDITION OF NFPA 13.

REPAIR OR PATCH HAVE CEILINGS SHALL HAVE SPRINKLER HEADS REPLACED WITH PULPHEAD SPRINKLER HEADS MUST BE REPLACED AT THE SAME TIME AS THE CEILING IS MOULDED.

NO SPRINKLER.
 TO SINK, INCLUDING WATER SUPPLIES. DEMO HOT AND COLD WATER SUPPLIES
 TO KITCHEN, CAP WITH TWO PIPE DIAMETERS. USE SINK SANITARY AND VENT
 TO CONDENSATE DRAIN.
 INSTALL NEW DUCTLESS SPLIT COOLING UNIT.
 REMOVE OLD SPRINKLER LINE OFF EXISTING BRANCH LINE. INSTALL NEW
 STANDARD RESPONSE SPRINKLER IN UPRIGHT POSITION. PROVIDE CAGE GUARD.
 INSTALL NEW REFRIGERANT LINES (INDOOR UNIT TO OUTDOOR UNIT). PROVIDE
 INSULATION. PROVIDE PIPE SUPPORT.
 INSTALL NEW CONDENSATE LINE. PROVIDE PIPE INSULATION. PROVIDE PIPE
 SUPPORT. PITCH THE CONDENSATE DRAIN LINE IN THE DIRECTION OF FLOW.
 FLOW CLEANOUTS AT EACH TURN IN THE DIRECTION OF FLOW.
 REPAIR TO M-501 FOR INDIRECT DRAIN FOR SINK DETAIL.
 REPAIR TO M-502 FOR PIPE THRU FLOOR DETAIL.
 REPLACE FAN COIL UNIT & THERMOSTAT FROM WALL. EXTEND & INSULATE
 CHRONIC HEATING. CHILLED WATER & CONDENSATE PIPING TO THE NEW FAN COIL
 UNIT. PATCH/PAINT TO MATCH ADJACENT SURFACES FOR ALL SURFACES
 AFFECTED BY RELOCATION OF FAN COIL.



VA FORM 08 - 6231									
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A

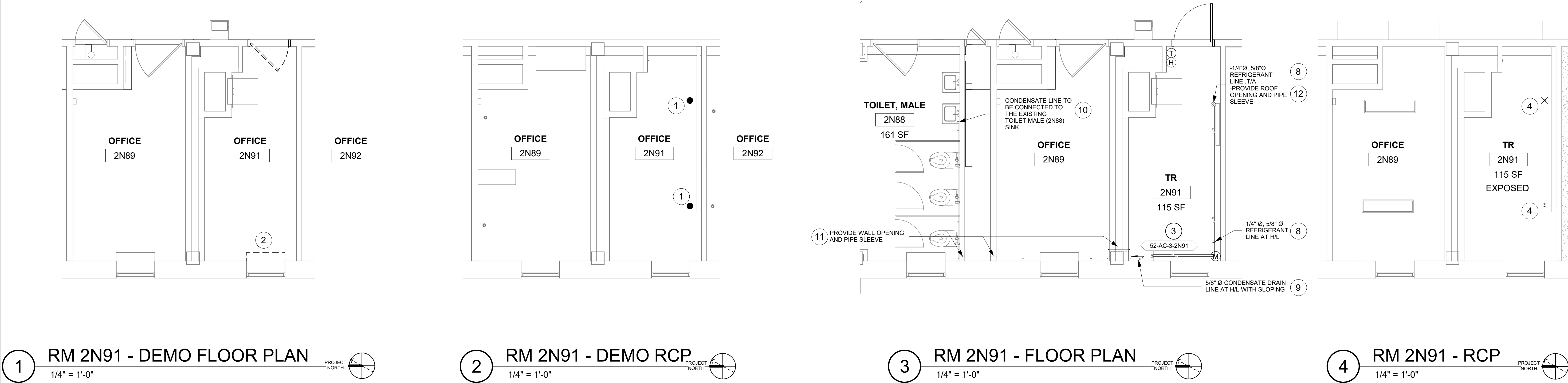
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D

E

F



- GENERAL NOTES
1.

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3.

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4.

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5.

CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND OWNER PRIOR TO ANY CUTTING OF WALLS AND ROOF.
6.

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- DEMOLITION GENERAL NOTES
1.

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5.

REMOVE AND DISPOSE OF EXISTING MECHANICAL EQUIPMENT AS SHOWN, UNLESS NOTED OTHERWISE. COORDINATE WITH ARCHITECTURAL PLANS, AREAS OF DEMOLITION AROUND, ADJACENT, OR CONNECTED TO EXISTING MECHANICAL EQUIPMENT THAT IS TO REMAIN.

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3.

ROOMS WITH FINISHED CEILINGS SHALL HAVE SPRINKLER LOCATIONS ADJUSTED AS NEEDED FOR APPROPRIATE COVERAGE PER LATEST EDITION OF NFPA 13.
4.

TELECOM ROOMS CONSIDERED LIGHT HAZARD FOR SPRINKLER HEAD DENSITY. SPRINKLER HEADS MUST BE REPLACED AT THE SAME TIME AS THE CEILING IS DEMOLISHED.

- KEYNOTES #
1.

REMOVE EXISTING SPRINKLER.
2.

DEMO WALL SURFACE MOUNTED RADIATOR.
3.

INSTALL NEW DUCTLESS SPLIT COOLING UNIT.
4.

INSTALL NEW STANDARD RESPONSE SPRINKLER IN UPRIGHT POSITION. PROVIDE CAGE GUARD.
5.

REMOVE EXISTING DUCTLESS SPLIT, ASSOCIATED OUTDOOR UNIT AND WALL MOUNTED THERMOSTAT. SALVAGE INDOOR/OUTDOOR UNITS AND THERMOSTAT TO COR. DEMO AND CONDENSATE PIPING.
6.

EXISTING JOHNSON CONTROLS TEMPERATURE SENSOR TO REMAIN.
7.

INSTALL NEW DUCTLESS SPLIT COOLING SYSTEM IN SAME LOCATION AS EXISTING.
8.

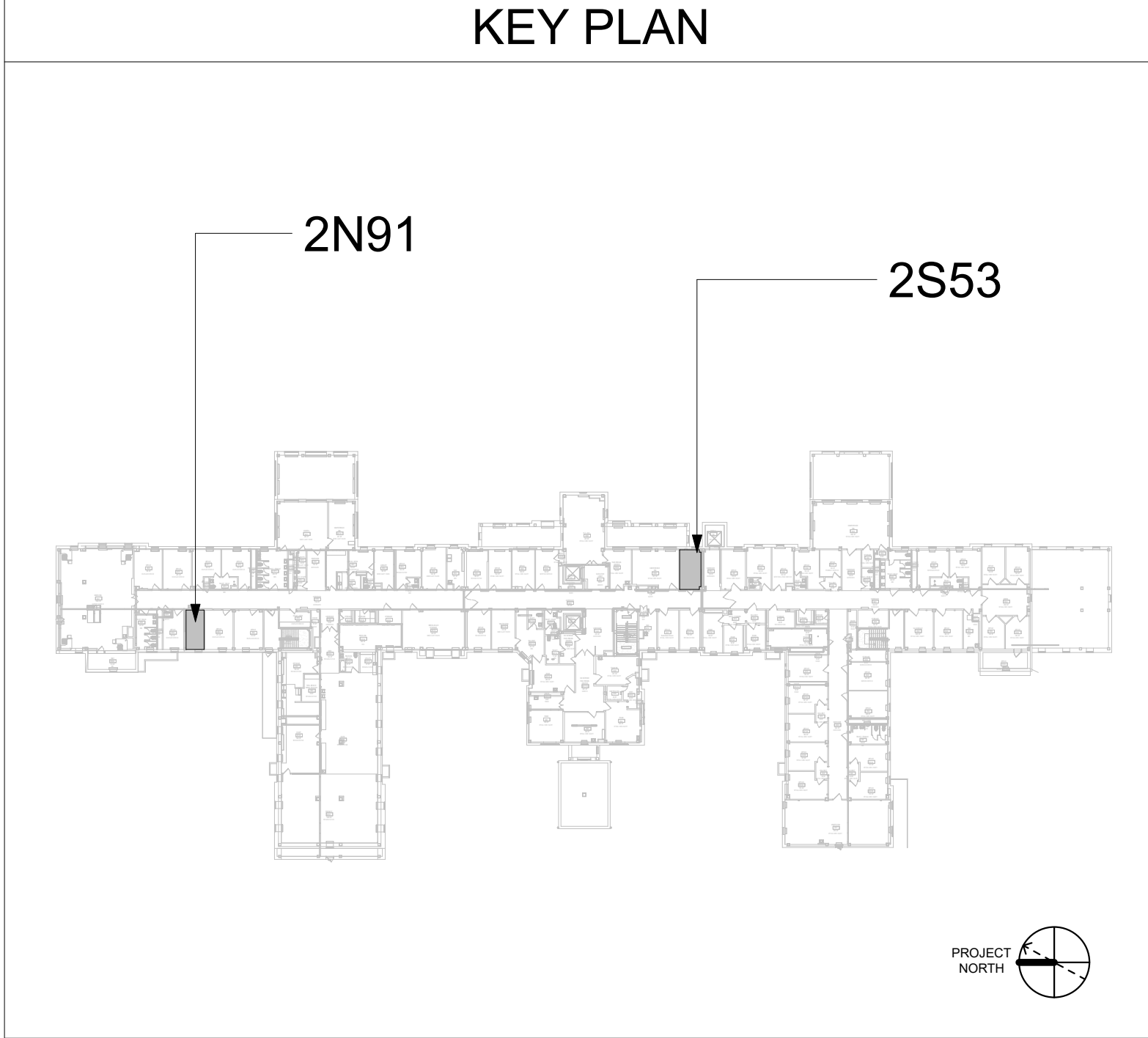
INSTALL NEW REFRIGERANT LINES (INDOOR UNIT TO OUTDOOR UNIT), PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT.
9.

INSTALL NEW CONDENSATE LINE. PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT. PITCH THE CONDENSATE DRAIN LINE IN THE DIRECTION OF FLOW. PROVIDE CLEANOUTS AT EACH TURN IN THE DIRECTION OF FLOW.
10.

REFER TO M-501 FOR INDIRECT DRAIN FOR SINK DETAIL.
11.

REFER TO M-502 FOR PIPE THRU WALL DETAIL.
12.

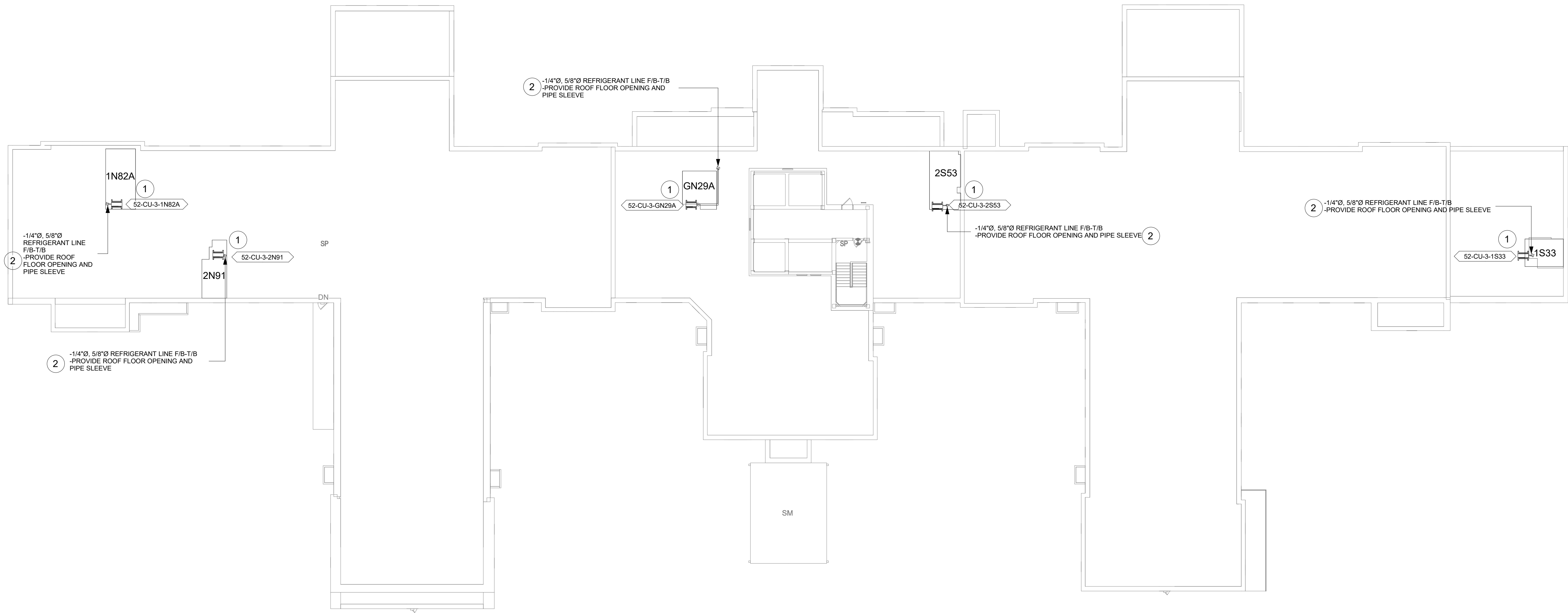
REFER TO M-502 FOR PIPE THRU FLOOR DETAIL.



		CONSULTANT	ARCHITECT/ENGINEER OF RECORD		STAMP	Office of Construction and Facilities Management		Drawing Title	Phase	Project Title	Project Number
		ENGINEERING DISCIPLINE:	A/E:			U.S. Department of Veterans Affairs		BLDG 52 - FLOOR 2 - DEMO, FLOOR PLANS & RCPS	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
			SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES					Approved:	FULLY SPRINKLERED	Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	Building Number 52
										Issue Date 03/31/2022	Drawing Number 52M-102
										Checked MGH	107 OF 435
										Drawn MM/OBJ/JCY	
		Revisions:									
		Date:									

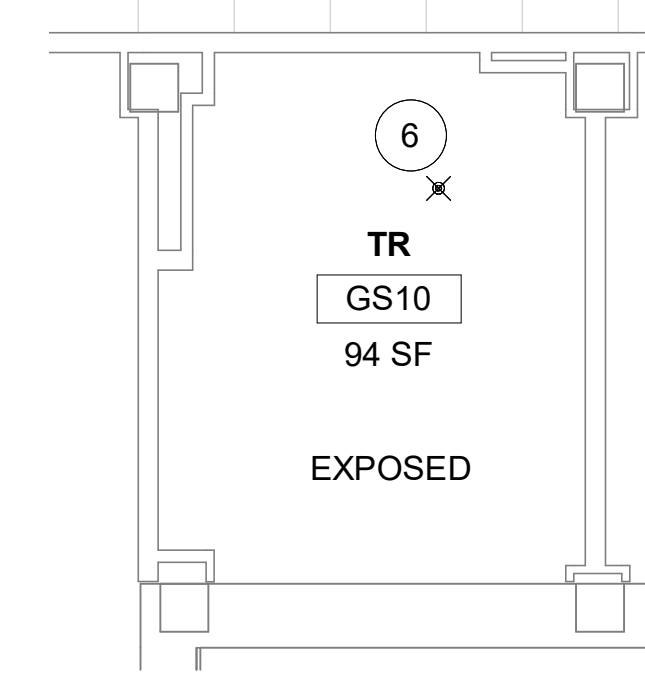
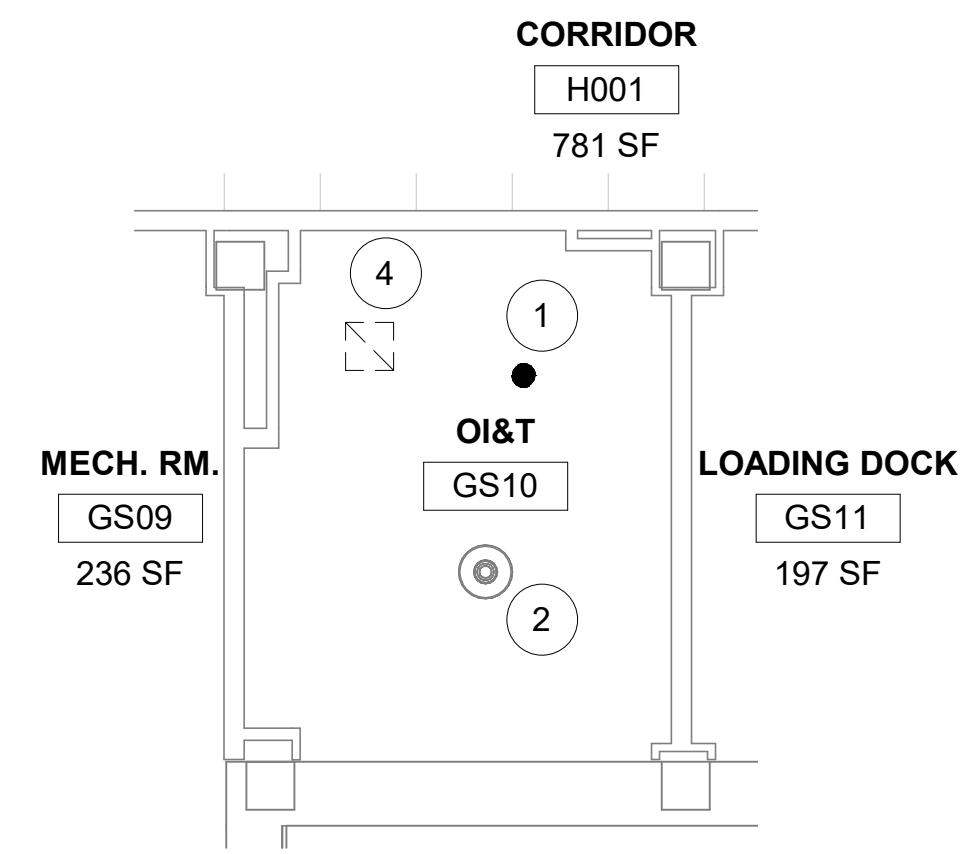
KEYNOTES

1. REFER TO M-501 FOR CONDENSING UNIT ROOF MOUNT SUPPORT DETAIL.
2. REFER TO M-501 FOR LINESET FLASHING DETAIL.

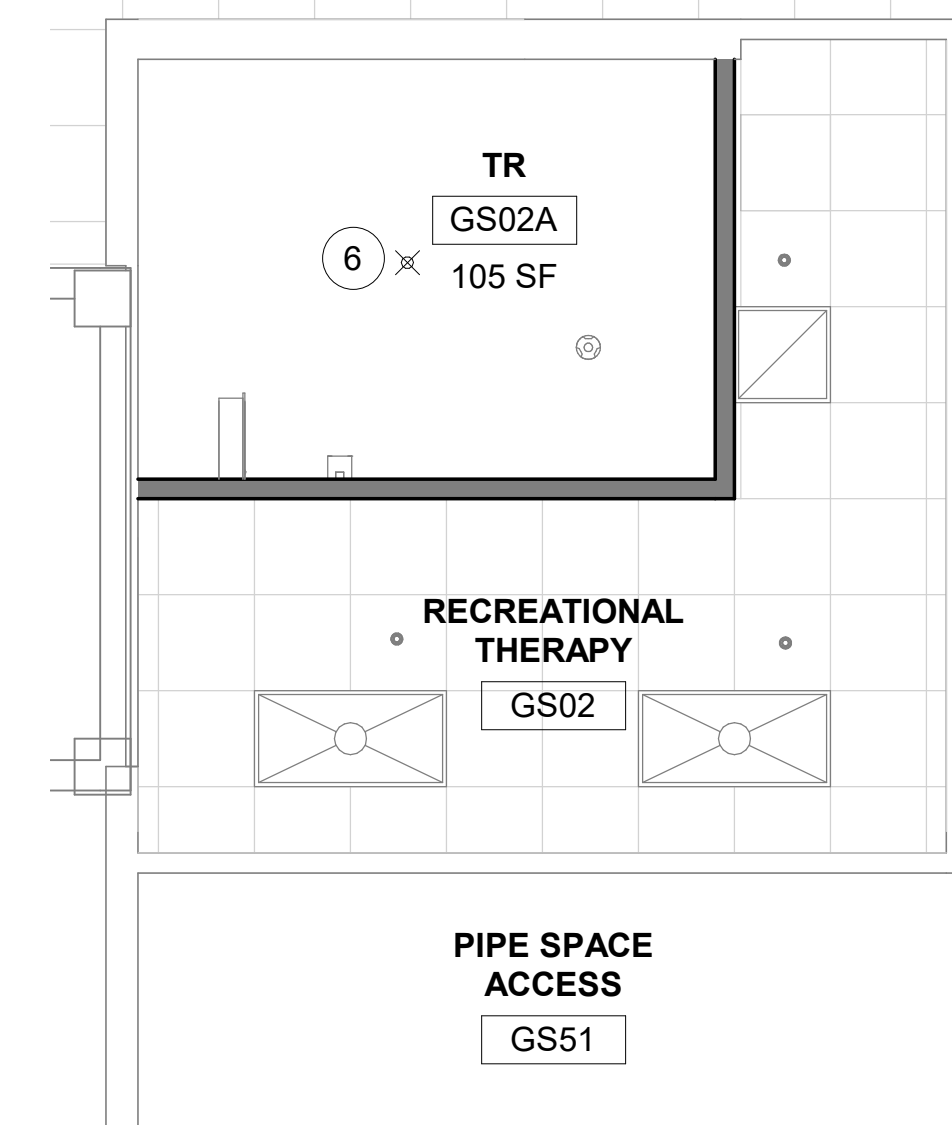
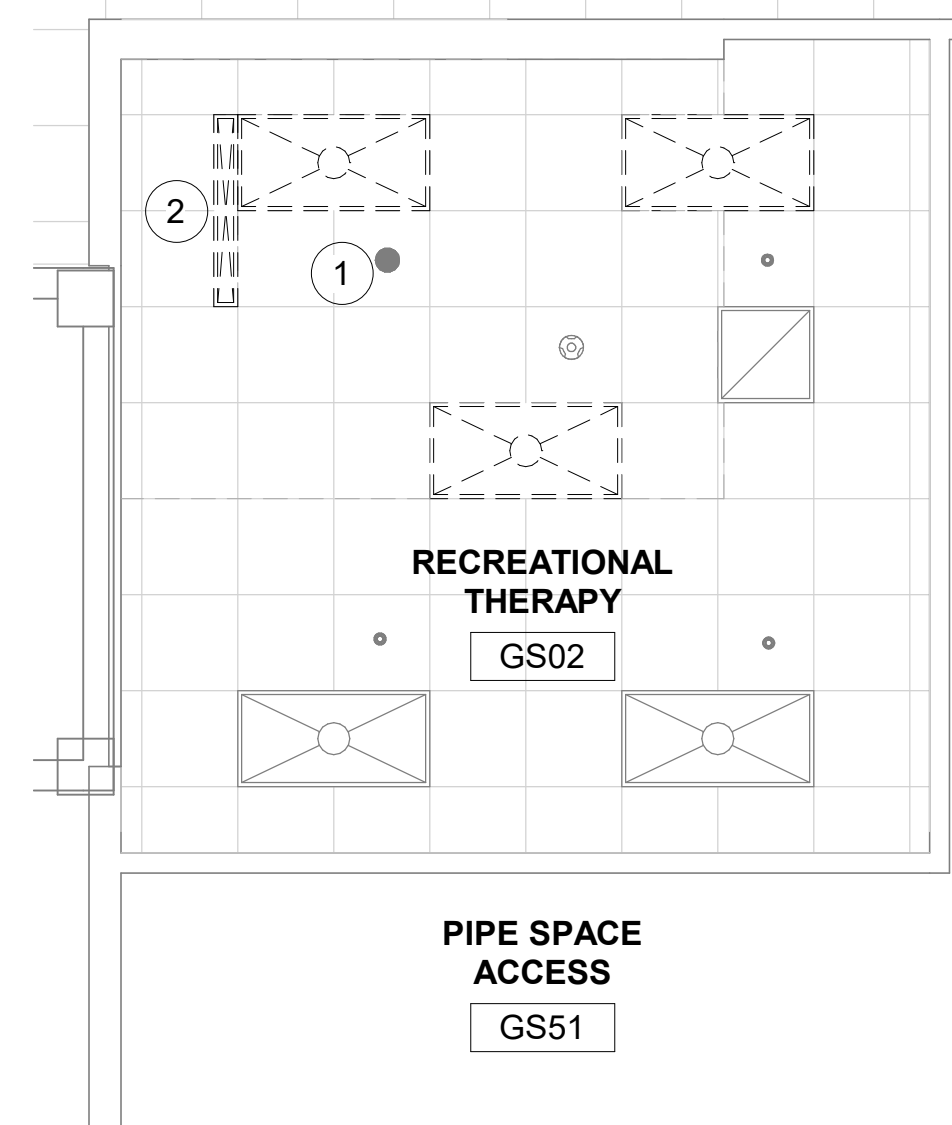


1 BLDG. 52 - ROOF PLAN
1/16" = 1'-0"

[illegible]



4 RM GS10 - RCP
1/4" = 1'-0"



8 RM GS02A - RCP
1/4" = 1'-0"

1. CONTRACTOR MUST VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE BEGINNING ANY FABRICATION OR CONSTRUCTION.
2. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES, VA STANDARDS AND SPECIFICATIONS.
3. CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4. COORDINATE INSTALLATION OF EQUIPMENT AND MATERIALS WITH OTHER TRADES.
5. DO NOT ROUTE CONDENSATE PIPING OVER ELECTRICAL PANELS OR ELECTRONIC EQUIPMENT.
6. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND OWNER PRIOR TO ANY CUTTING OF WALLS AND ROOF.
7. IF FLOOR OR RATED WALL PENETRATIONS CANNOT BE FIRE STOPPED AT THE END OF THE WORK SHIFT, TEMPORARY FIRESTOPPING COMPOSED OF MINERAL WOOL SHALL BE INSTALLED IN THE PENETRATION TO PROVIDE PROTECTION AGAINST FIRE/SMOKE SPREAD THROUGH THE UNSEALED PENETRATION.

1. REFER TO ALL DRAWINGS FOR COORDINATION BETWEEN DEMOLITION AND NEW WORK. COORDINATE DEMOLITION WORK WITH THAT OF OTHER TRADES.
2. COORDINATE SALVAGE AND REUSE OF EXISTING EQUIPMENT WITH OWNER. ITEMS OF VALUE WHICH ARE NOT DIRECTED TO BE RETURNED TO THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR. STORAGE OR SALE OF ITEMS ON THE PROJECT SITE.
3. PROTECTION: CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, COVERING, AND SEALING EXISTING EQUIPMENT AND SURROUNDINGS DURING DEMOLITION FROM DIRT, DUST AND DEBRIS. ENSURE THE SAFE PASSAGE OF PERSONS IN AND AROUND BUILDING DURING DEMOLITION. PREVENT INJURY TO PERSONS AND DAMAGE TO PROPERTY. PROVIDE ADEQUATE SHORING AND BRACING TO PREVENT COLLAPSE. IMMEDIATELY REPAIR DAMAGED PROPERTY TO THE CONDITION BEFORE BEING DAMAGED. TAKE EFFECTIVE MEASURES TO PREVENT DUST MIGRATION.
4. UTILITIES: MAINTAIN ALL UTILITIES EXCEPT THOSE REQUIRING REMOVAL OR RELOCATION. KEEP UTILITIES IN SERVICE AND PROTECT FROM DAMAGE. DO NOT INTERRUPT UTILITIES SERVING AREAS OUTSIDE OF PRESENT SCOPE WITHOUT FIRST OBTAINING PERMISSION FROM OWNER. PROVIDE TEMPORARY SERVICES AS REQUIRED.
5. REMOVE AND DISPOSE OF EXISTING MECHANICAL EQUIPMENT AS SHOWN, UNLESS NOTED OTHERWISE. COORDINATE WITH ARCHITECTURAL PLANS, AREAS OF DEMOLITION AROUND, ADJACENT, OR CONNECTED TO EXISTING MECHANICAL EQUIPMENT THAT IS TO REMAIN.

1. ALL TELECOM ROOMS TO HAVE EXISTING QUICK RESPONSE SPRINKLERS REPLACED WITH STANDARD RESPONSE SPRINKLERS.
2. ROOMS THAT DON'T HAVE CEILINGS (EXPOSED TO STRUCTURE) SHALL HAVE THE SPRINKLER HEADS MODIFIED TO TURN THE SPRINKLER UPRIGHT. PROVIDE SPRINKLER PROTECTION CASE.
3. ROOMS WITH FINISHED CEILINGS SHALL HAVE SPRINKLER LOCATIONS ADJUSTED AS NEEDED FOR APPROPRIATE COVERAGE PER LATEST EDITION OF NFPA 13.
4. TELECOM ROOMS CONSIDERED LIGHT HAZARD FOR SPRINKLER HEAD DENSITY.
5. SPRINKLER HEADS MUST BE REPLACED AT THE SAME TIME AS THE CEILING IS DEMOLISHED.

1. REMOVE EXISTING SPRINKLER.
2. DEMO CEILING SUPPLY GRILLE AND TERMINAL BOX. DEMO DUCTWORK BACK TO MAIN. CAP/SEAL DUCT AT MAIN.
3. DEMO THERMOSTAT FROM WALL.
4. DEMO RETURN GRILLE IN CEILING. DEMO DUCT BACK TO MAIN, CAP AND SEAL DUCT. INSTALL NEW CEILING SUPPLY COOLING UNIT.
6. INSTALL NEW STANDARD RESPONSE SPRINKLER IN UPRIGHT POSITION. PROVIDE CAGE GUARD.
7. DEMO SINK, INCLUDING WATER SUPPLIES. DEMO HOT AND COLD WATER SUPPLIES BACK TO MAIN. CAP WITHIN TWO PIPE DIAMETERS. SANITARY DRAIN TO BE USED FOR CONDENSATE DRAIN DISCHARGE POINT CONNECTION
8. INSTALL NEW REFRIGERANT LINES (INDOOR UNIT TO OUTDOOR UNIT. PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORTS.
9. INSTALL NEW CONDENSATE LINE. PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT. PITCH THE CONDENSATE DRAIN LINE IN THE DIRECTION OF FLOW. PROVIDE CLEANOUTS AT EACH TURN IN THE DIRECTION OF FLOW.
10. REFER TO M-501 FOR INDIRECT DRAIN FOR SINK DETAIL.
11. REFER TO M-502 FOR PIPE THRU FLOOR DETAIL.
12. CONTRACTOR TO ROUTE CONDENSATE PIPING TO THE NEAREST EXTERIOR WALL, PIPING ALONG THE EXTERIOR WALL AND ROUTING TO TERMINATED AT GRADE. SECURE PIPE TO EXTERIOR WALL. PAINT CONDENSATE PIPE TO MATCH THE COLOR OF THE EXTERIOR WALL. COORDINATE ROUTING AND DISCHARGE LOCATION WITH COR.

The floor plan shows a complex building layout with various rooms and corridors. Two specific locations are highlighted with black squares and labeled: GS02 is located in the central part of the building, and GS10 is located in the eastern part. A north arrow is present in the bottom right corner, indicating the orientation of the plan.

VA FORM 08 - 6231									
1	2	3	4	5	6	7	8	9	10

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GENERAL NOTES

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5. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND OWNER PRIOR TO ANY CUTTING OF WALLS AND ROOF.
6. IF FLOOR OR RATED WALL PENETRATIONS CANNOT BE FIRE STOPPED AT THE END OF THE WORK SHIFT, TEMPORARY FIRESTOPPING COMPOSED OF MINERAL WOOL SHALL BE INSTALLED IN THE PENETRATION TO PROVIDE PROTECTION AGAINST FIRE/SMOKE SPREAD THROUGH THE UNSEALED PENETRATION.

DEMOLITION GENERAL NOTES

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3. PROTECTION: CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, COVERING, AND SEALING EXISTING EQUIPMENT AND SURROUNDINGS DURING DEMOLITION FROM DIRT, DUST AND DEBRIS. ENSURE THE SAFE PASSAGE OF PERSONS IN AND AROUND BUILDING DURING DEMOLITION. PREVENT INJURY TO PERSONS AND DAMAGE TO PROPERTY. PROVIDE ADEQUATE SHORING AND BRACING TO PREVENT COLLAPSE. IMMEDIATELY REPAIR DAMAGED PROPERTY TO THE CONDITION BEFORE BEING DAMAGED. TAKE EFFECTIVE MEASURES TO PREVENT DUST MIGRATION.
4. UTILITIES: MAINTAIN ALL UTILITIES EXCEPT THOSE REQUIRING REMOVAL OR RELOCATION. KEEP UTILITIES IN SERVICE AND PROTECT FROM DAMAGE. DO NOT INTERRUPT UTILITIES SERVING AREAS OUTSIDE OF PRESENT SCOPE WITHOUT FIRST OBTAINING PERMISSION FROM OWNER. PROVIDE TEMPORARY SERVICES AS REQUIRED.
5. REMOVE AND DISPOSE OF EXISTING MECHANICAL EQUIPMENT AS SHOWN, UNLESS NOTED OTHERWISE. COORDINATE WITH ARCHITECTURAL PLANS, AREAS OF DEMOLITION AROUND, ADJACENT, OR CONNECTED TO EXISTING MECHANICAL EQUIPMENT THAT IS TO REMAIN.

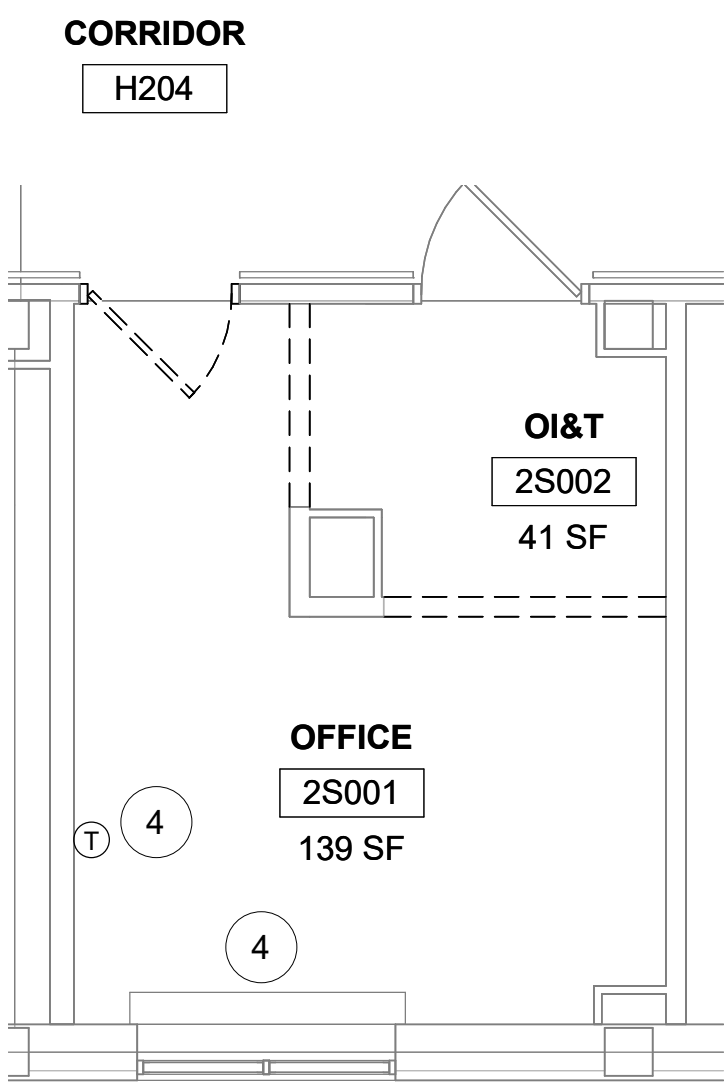
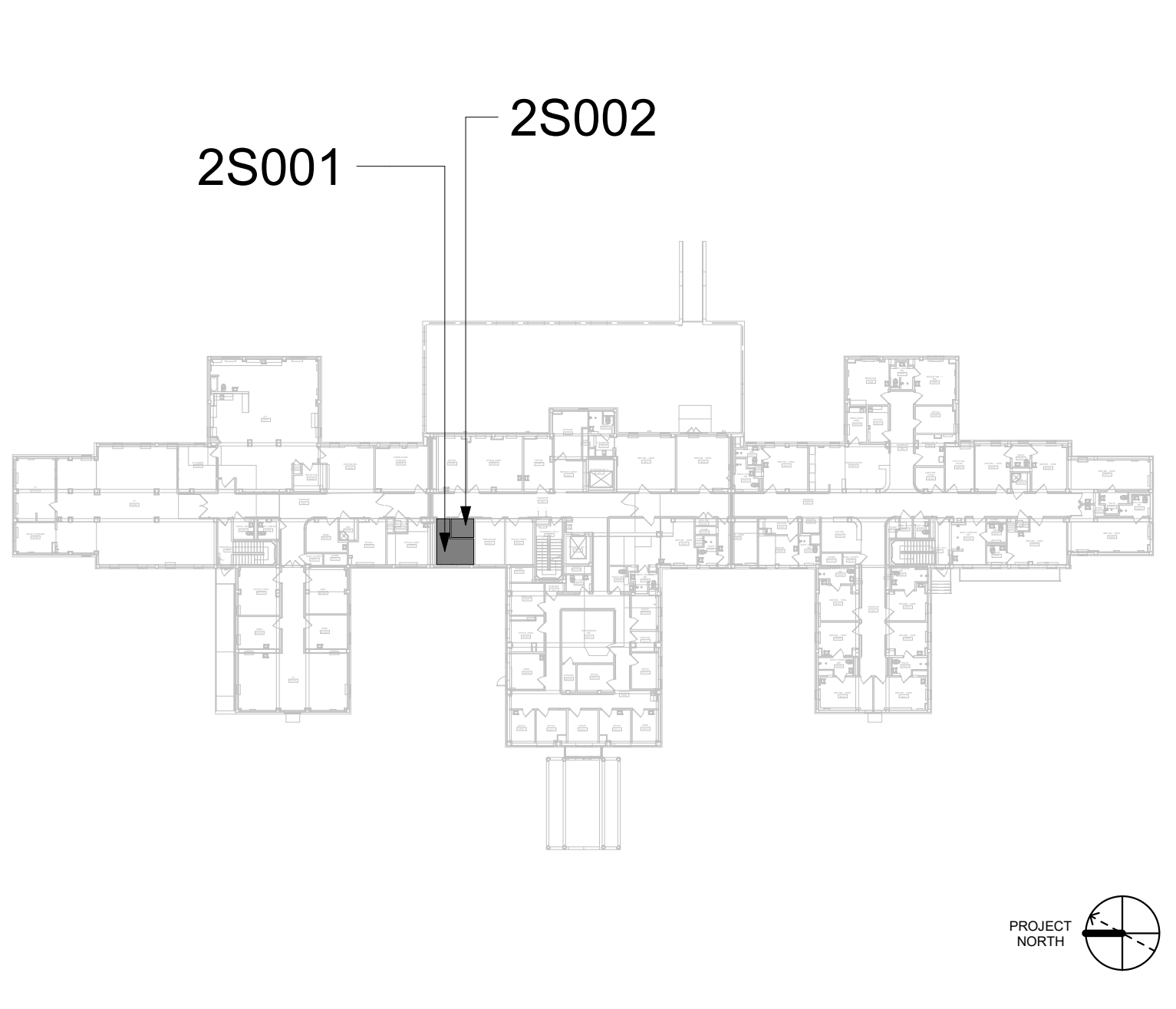
FIRE PROTECTION NOTES

1. ALL TELECOM ROOMS TO HAVE EXISTING QUICK RESPONSE SPRINKLERS REPLACED WITH STANDARD RESPONSE SPRINKLERS.
2. ROOMS THAT DON'T HAVE CEILINGS (EXPOSED TO STRUCTURE) SHALL HAVE THE BRANCH PIPING MODIFIED TO TURN THE SPRINKLER UPRIGHT. PROVIDE SPRINKLER PROTECTION CAGE.
3. ROOMS WITH FINISHED CEILINGS SHALL HAVE SPRINKLER LOCATIONS ADJUSTED AS NEEDED FOR APPROPRIATE COVERAGE PER LATEST EDITION OF NFPA 13.
4. TELECOM ROOMS CONSIDERED LIGHT HAZARD FOR SPRINKLER HEAD DENSITY. SPRINKLER HEADS MUST BE REPLACED AT THE SAME TIME AS THE CEILING IS DEMOLISHED.

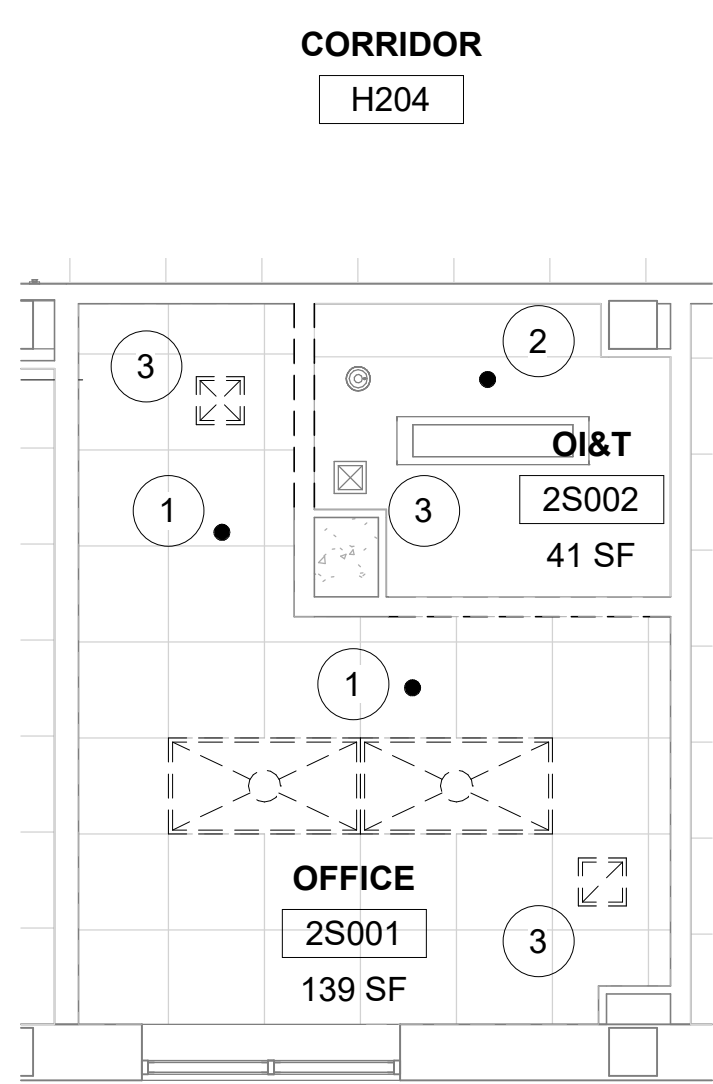
KEYNOTES #

1. REMOVE EXISTING SPRINKLER.
2. REMOVE SPRINKLER AND BRANCH LINE. CAP SPRINKLER BRANCH TAKEOFF AT MAIN. DEMO SUPPLY/EXHAUST GRILLE IN CEILING. DEMO DUCT BACK TO MAIN, CAP AND SEAL DUCT.
3. DEMO WALL HEATING CONVECTOR. DEMO PIPING BACK TO MAIN. DEMO WALL THERMOSTAT.
4. INSTALL NEW DUCTLESS SPLIT COOLING UNIT.
5. INSTALL NEW STANDARD RESPONSE SPRINKLER IN UPRIGHT POSITION. PROVIDE CAGE GUARD.
6. INSTALL NEW REFRIGERANT LINES (INDOOR UNIT TO OUTDOOR UNIT. PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT.
7. INSTALL NEW CONDENSATE LINE. PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT. PITCH THE CONDENSATE DRAIN LINE IN THE DIRECTION OF FLOW. PROVIDE CLEANOUTS AT EACH TURN IN THE DIRECTION OF FLOW.
8. REFER TO M-501 FOR INDIRECT DRAIN FOR SINK DETAIL.
9. REFER TO M-502 FOR PIPE THRU WALL DETAIL.
10. REFER TO M-501 FOR LINESET FLASHING DETAIL.

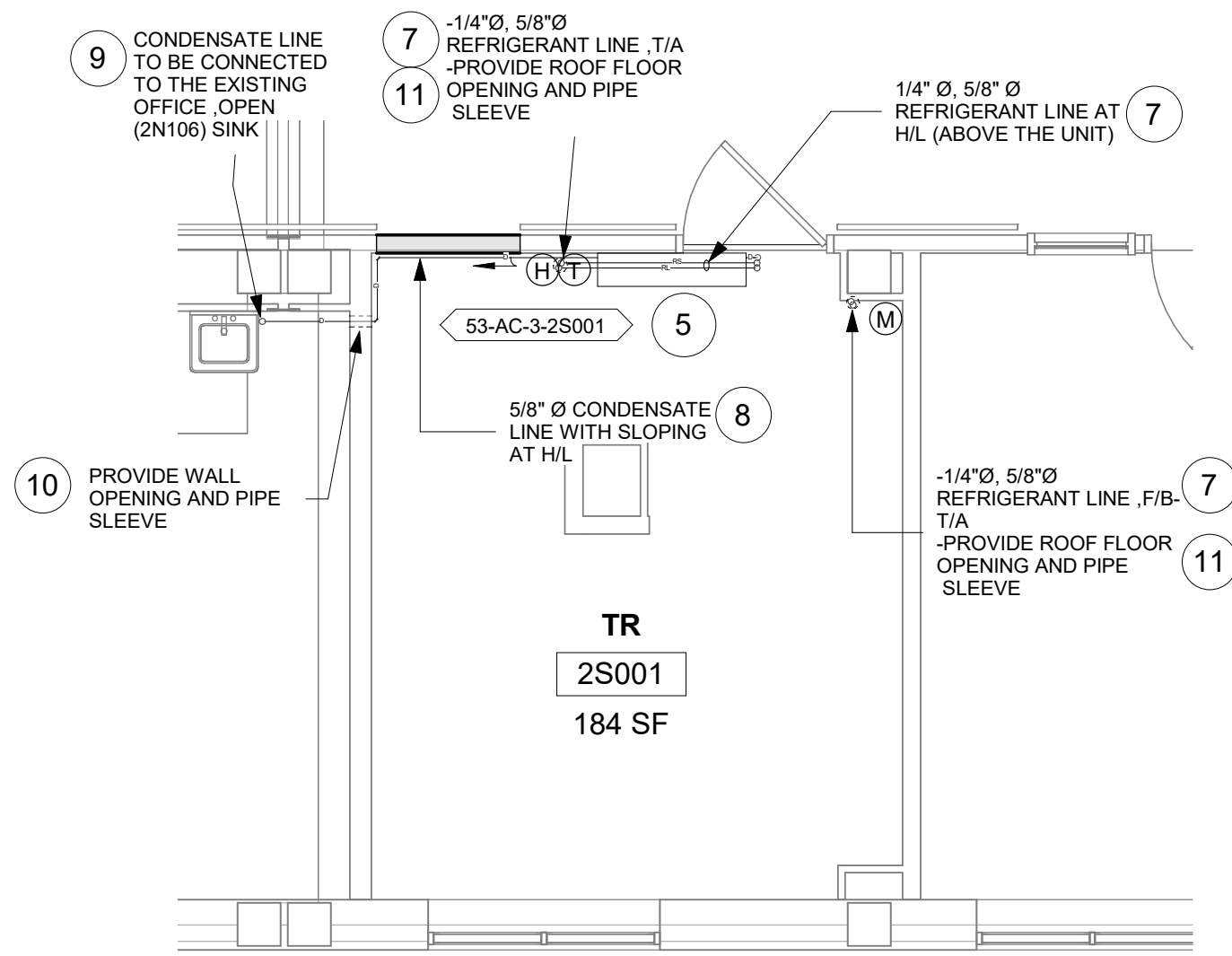
KEY PLAN



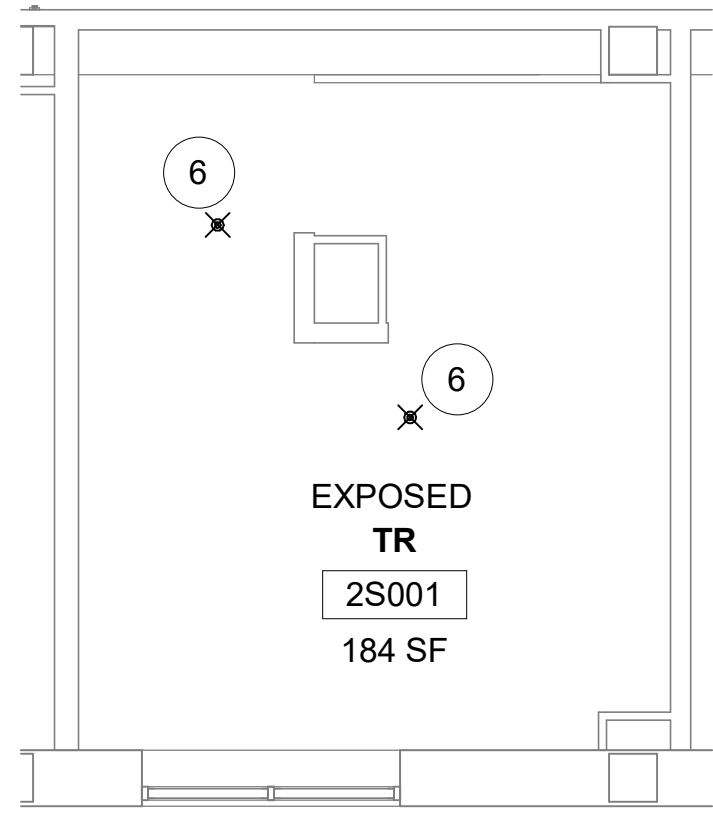
1 RM 2S002 & 2S001- DEMO FLOOR PLAN
1/4" = 1'-0"





3 RM 2S002 & 2S001 - DEMO RCP
1/4" = 1'-0"



2 RM 2S002 & 2S001 - FLOOR PLAN
1/4" = 1'-0"

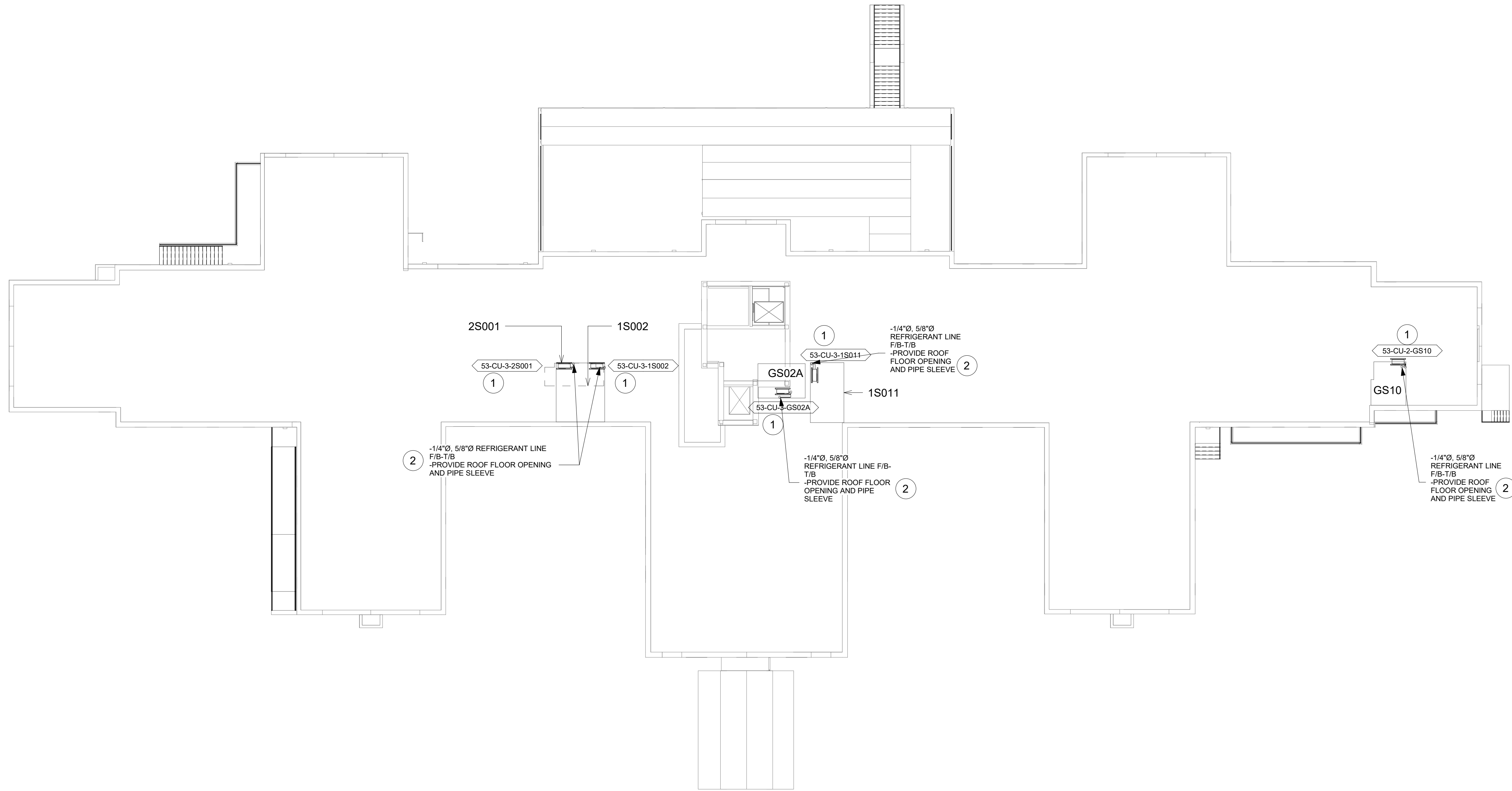


4 RM 2S002 & 2S001- RCP
1/4" = 1'-0"

Revisions:	Date:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
		ENGINEERING DISCIPLINE:	A/E:			BLDG 53 - FLOOR 2 - DEMO, FLOOR PLANS & RCPS	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
			SPEES DESIGN BUILD					Building Number	
			625 1ST AVE, STE 301					53	
			SEATTLE, WA 98104					Drawing Number	
			(206) 590-2118					53M-102	
		RAY SPEES				ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	111 OF 435		

KEYNOTES #

1. REFER TO M-501 FOR CONDENSING UNIT ROOF MOUNT SUPPORT DETAIL.
2. REFER TO M-501 FOR LINESET FLASHING DETAIL.



1 BLDG 53 - ROOF PLAN
1/16" = 1'-0"



Revisions:	Date:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Drawing Title	Phase	Project Title	Project Number
		ENGINEERING DISCIPLINE:	A/E:	Office of Construction and Facilities Management	BLDG 53 - ROOF PLAN	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
			SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES	VA U.S. Department of Veterans Affairs	Approved:		Location	Building Number
							ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	53
							Issue Date	Drawing Number
					03/31/2022	53M-110		
						Checked	Drawn	112 OF 435
						MGH	MM/OB/JJ/CY	

A

B

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D

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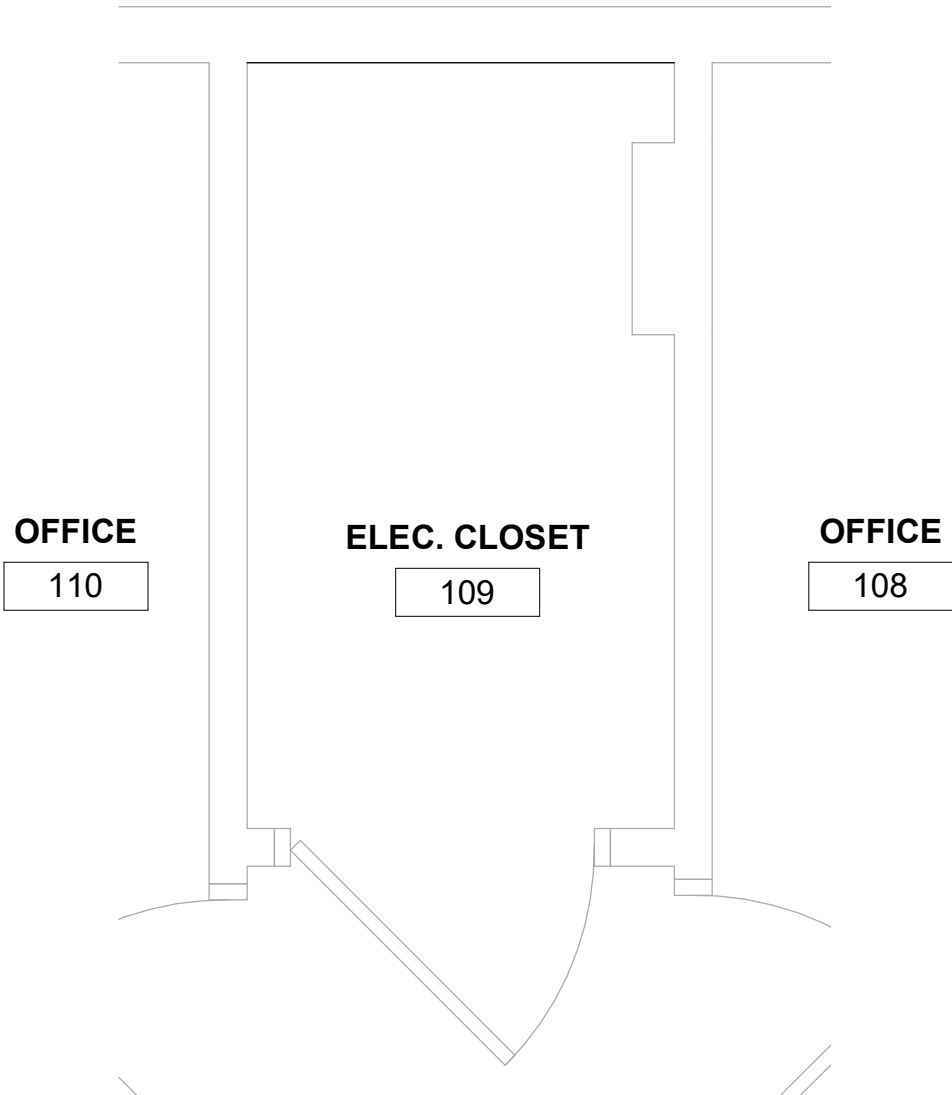
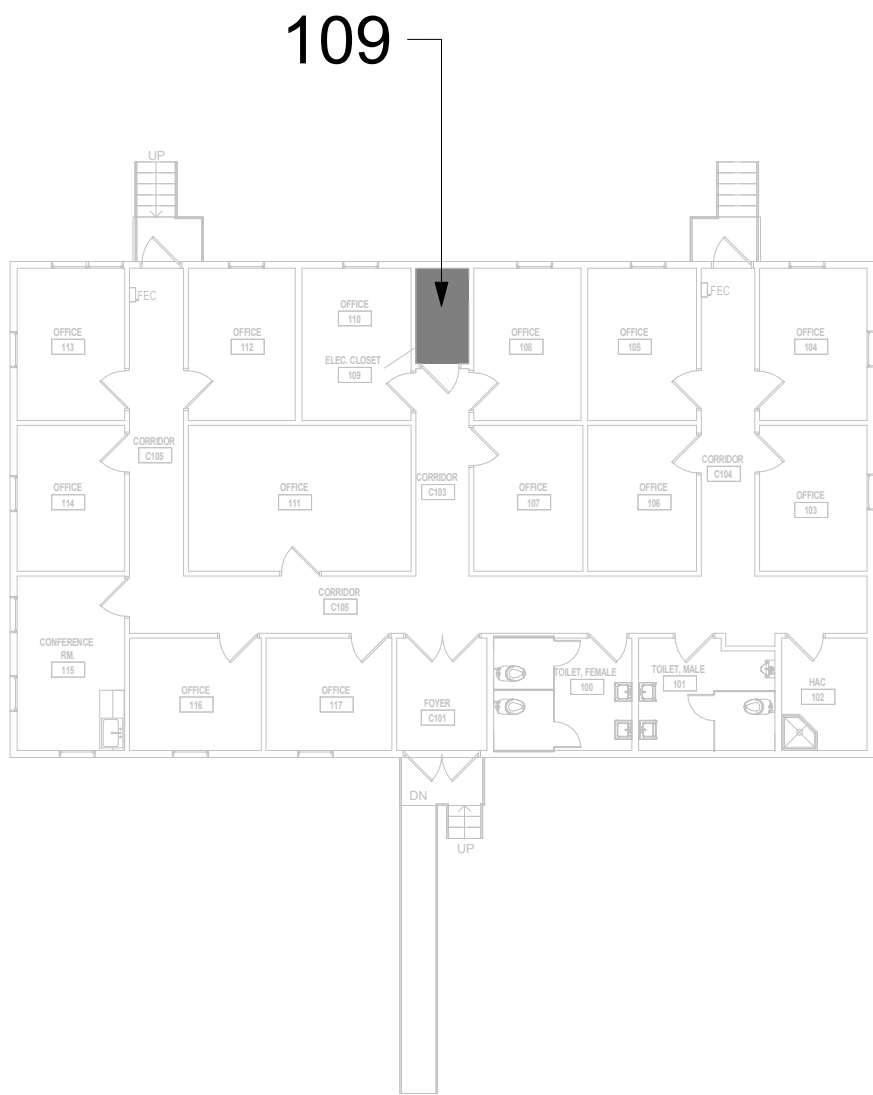
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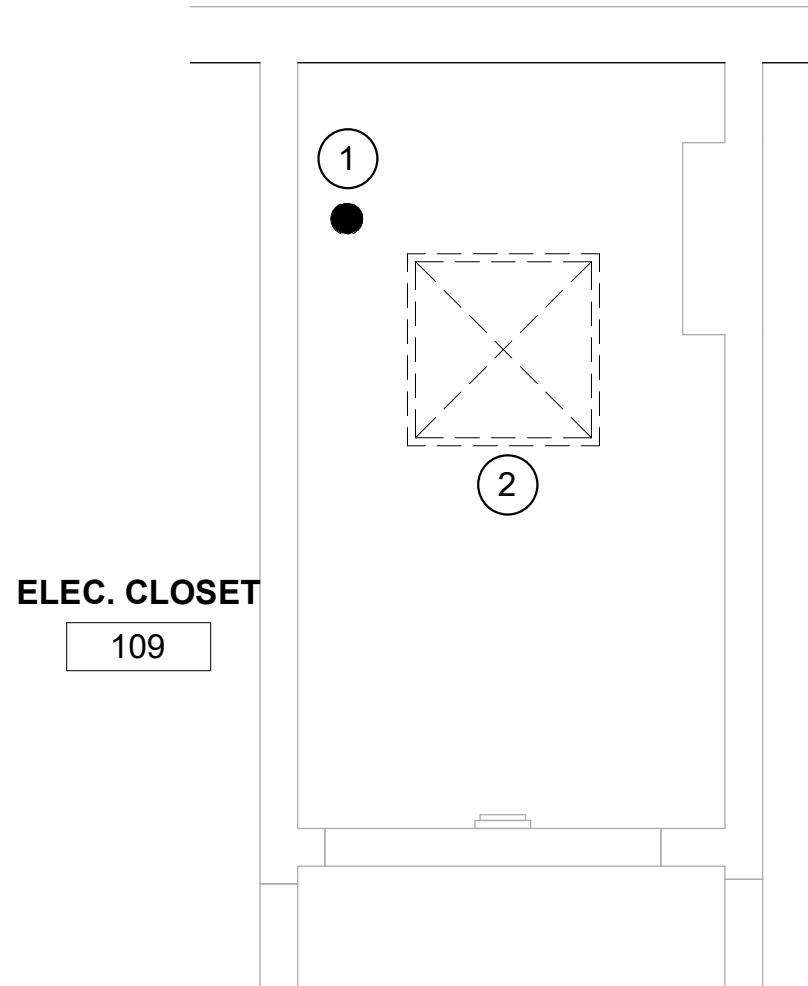
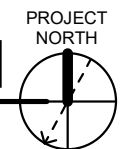
KEYNOTES #

1. DEMO SPRINKLER.
2. DEMO CEILING SUPPLY GRILLE. DEMO DUCT TO MAIN. CAP/SEAL MAIN DUCT.
3. INSTALL NEW STANDARD RESPONSE SPRINKLER.
4. INSTALL NEW IN-LINE TRANSFER FAN. PROVIDE TEMPERATURE AND HUMIDITY SENSOR BY CONTROLS CONTRACTOR. REFER TO M-501 FOR IN-LINE CEILING TRANSFER FAN DETAIL.
5. PROVIDE CEILING GRILLES. REFER TO M-502 FOR SUPPLY GRILLE AND INTAKE GRILLE SIZE.
6. REFER TO M-501 FOR FLEXIBLE DUCT CONNECTIONS DETAIL.
7. REFER TO M-501 FOR DIFFUSER BOX DETAIL.
8. REFER TO M-501 FOR ROUND DUCT THRU WALL DETAIL.

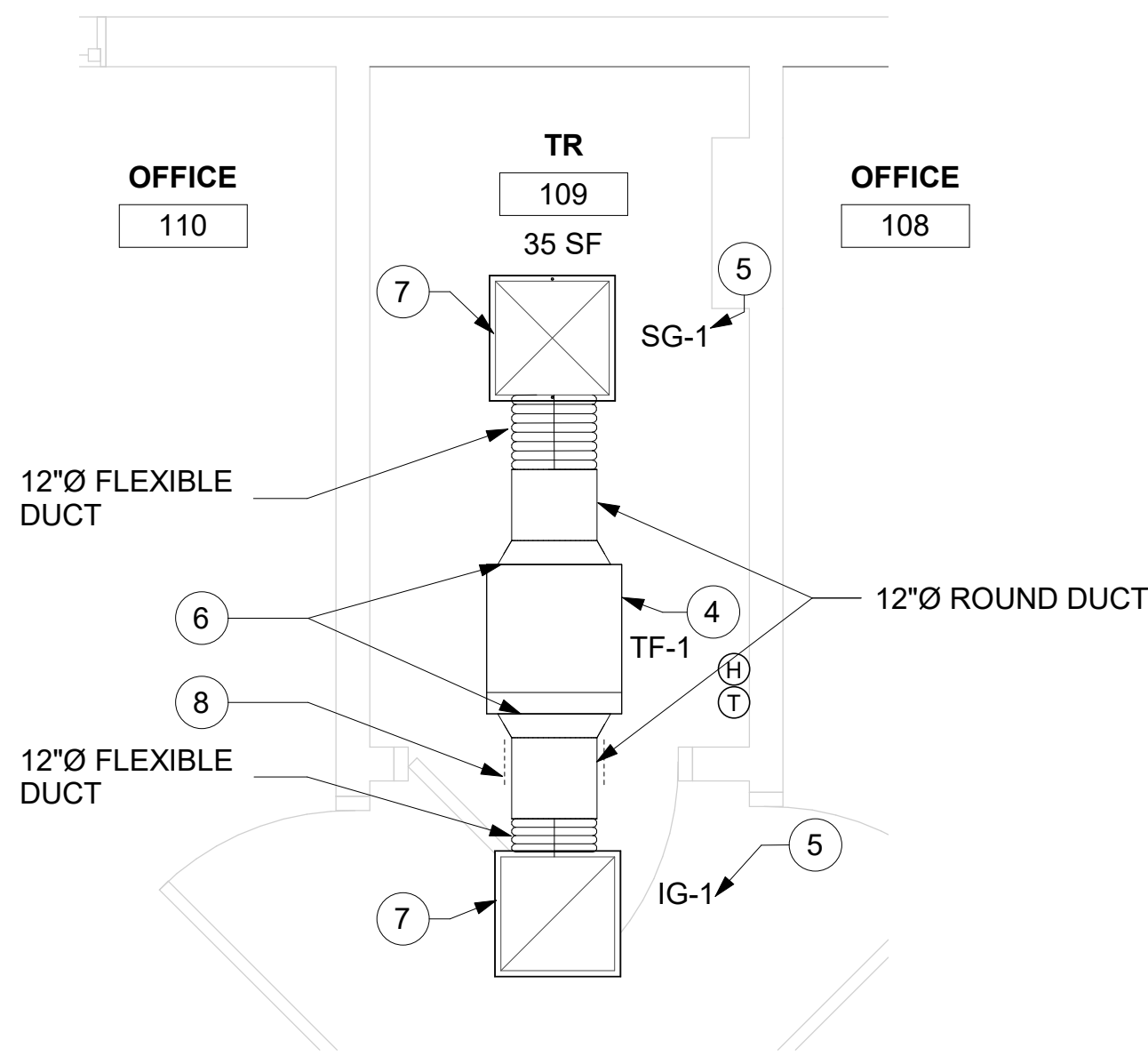
KEY PLAN



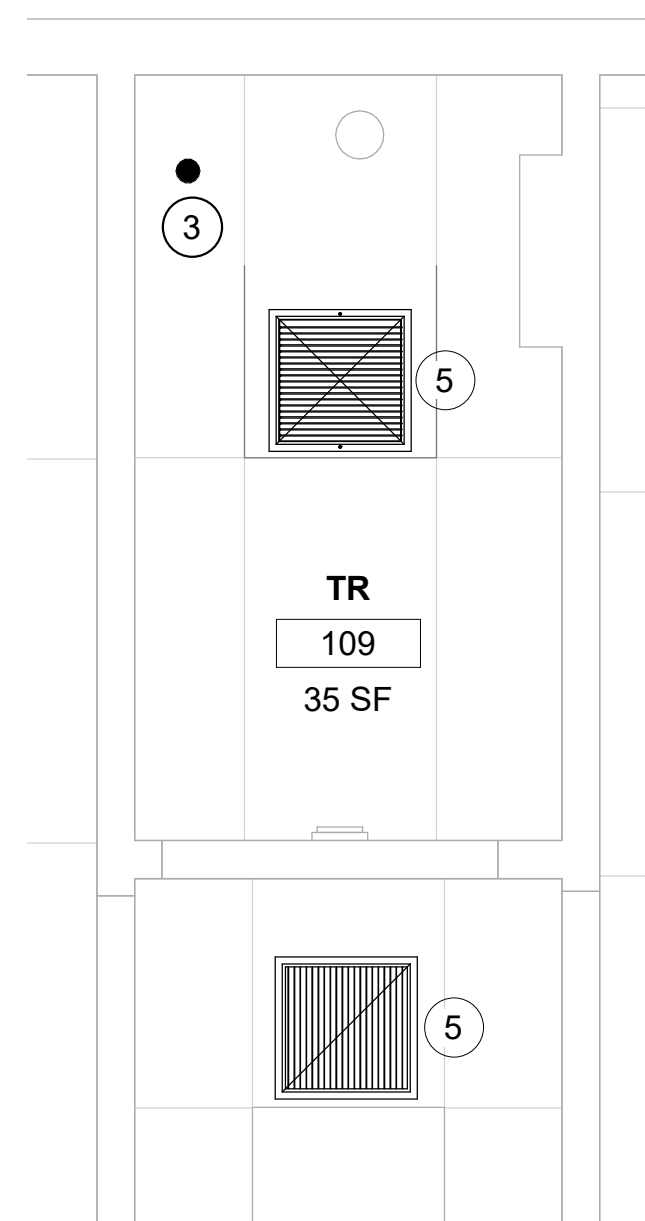
1 RM 109 - DEMO FLOOR PLAN
1/2" = 1'-0"



2 RM 109 - DEMO RCP
1/2" = 1'-0"



3 RM 109 - FLOOR PLAN
1/2" = 1'-0"



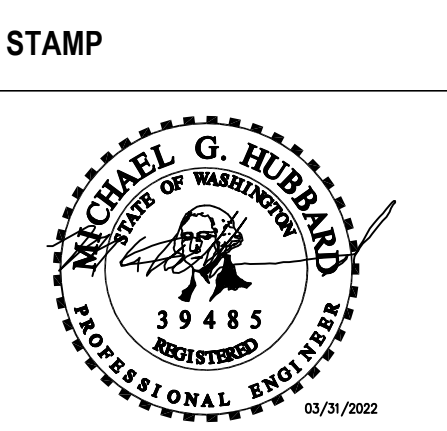
4 RM 109 - RCP
1/2" = 1'-0"



Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
SPEES DESIGN BUILD
625 1ST AVE, STE 301
SEATTLE, WA 98104
(206) 590-2118
RAY SPEES



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

Drawing Title
BLDG 53T - FLOOR 01 - DEMO,
FLOOR PLANS & RCPS

Approved:

Phase
CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO
Issue Date
03/31/2022
Checked
MGH
Drawn
MM/OBJJCY

Project Number
657-21-701JB
Building Number
53T
Drawing Number
53TM-101
113 OF 435

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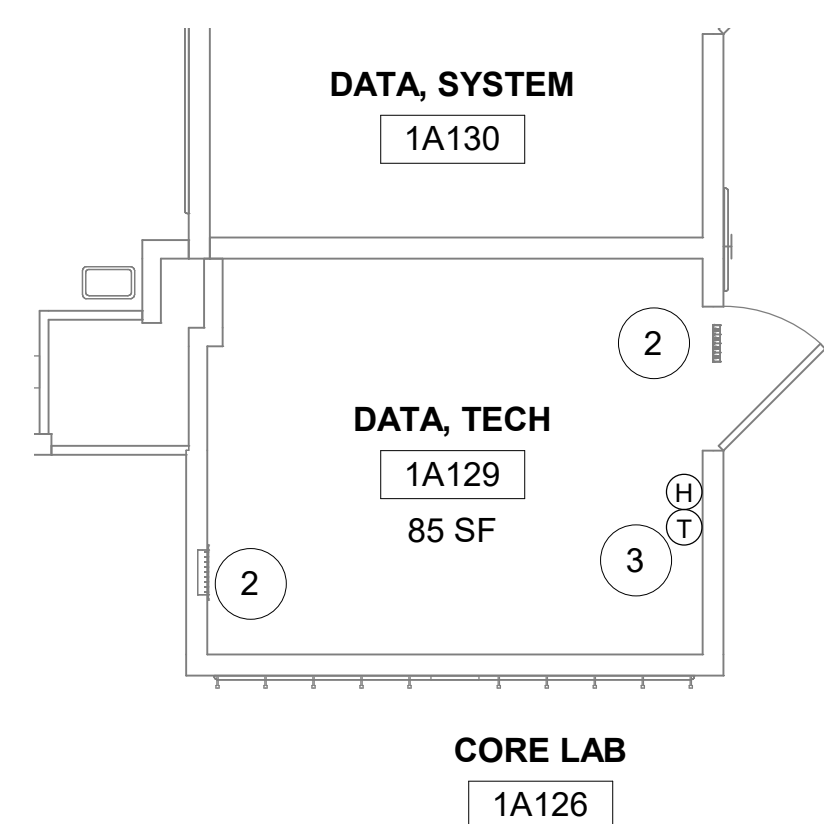
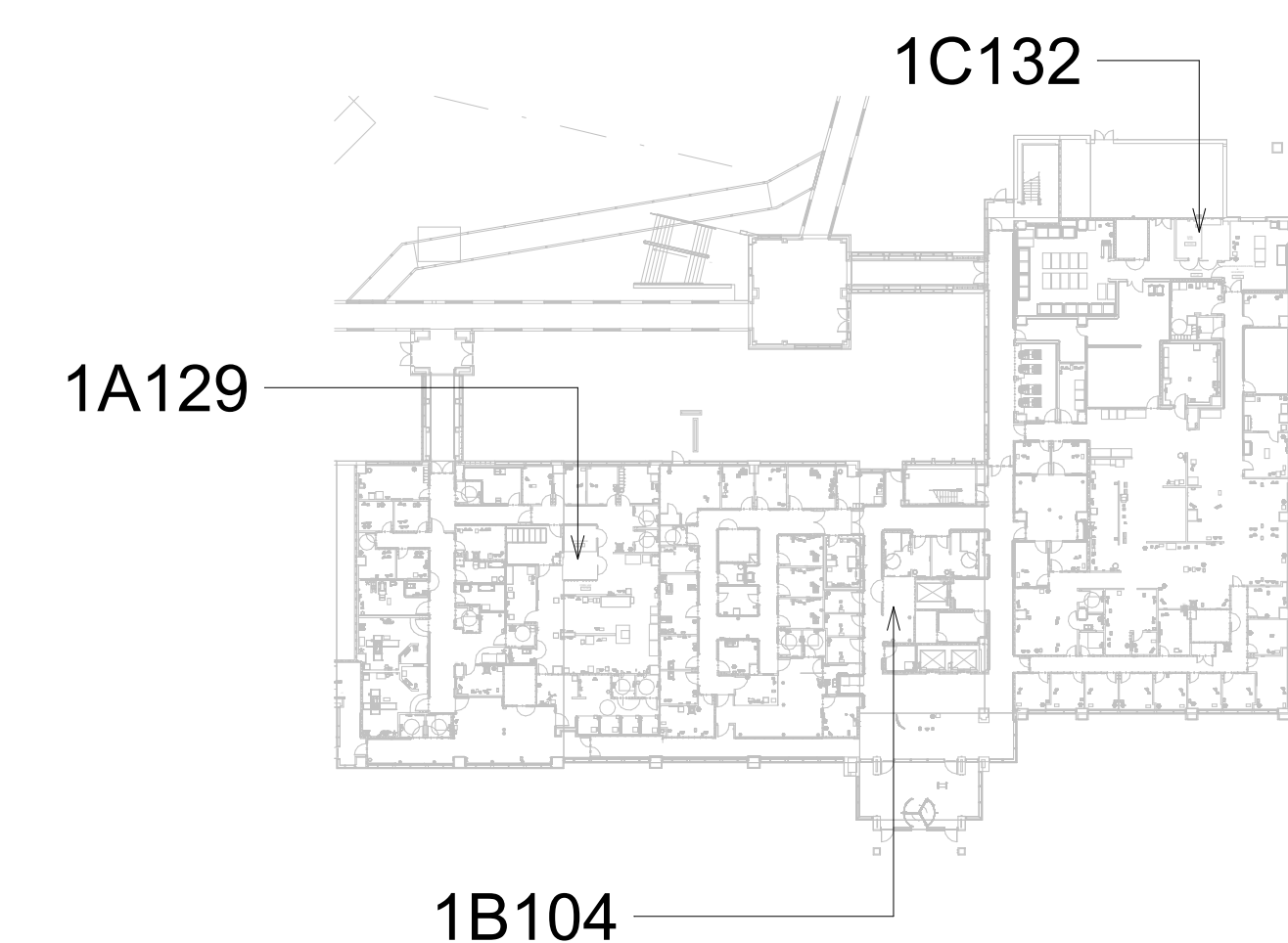
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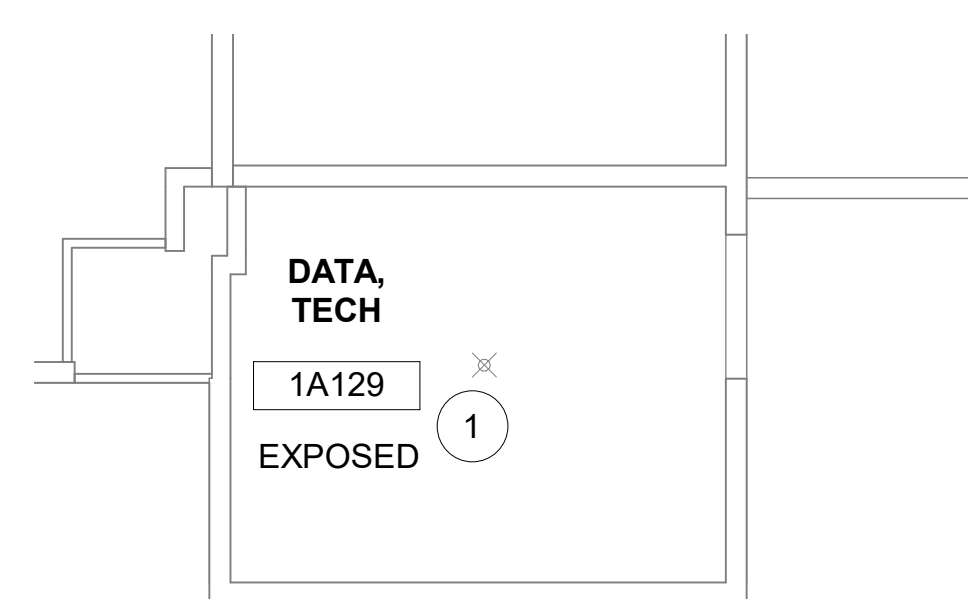
KEYNOTES

1. DEMO SPRINKLER.
2. DEMO SUPPLY AND RETURN WALLS GRILLE. CAP/SEAL DUCT AT WALL.
3. TEMPTRAK SENSOR TO REMAIN.
4. INSTALL NEW DUCTLESS SPLIT COOLING UNIT.
5. INSTALL NEW STANDARD RESPONSE SPRINKLER IN UPRIGHT POSITION. PROVIDE CAGE GUARD.
6. DECOMMISSION CONTROLS FOR EXISTING FAN COIL 55-FCU-42. DEMO WALL TEMPERATURE SENSOR.
7. INSTALL NEW REFRIGERANT LINES (INDOOR UNIT TO OUTDOOR UNIT). PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT.
8. REFER TO M-502 FOR PIPE THRU WALL DETAIL.
9. REFER TO M-502 FOR PIPE THRU FLOOR DETAIL.
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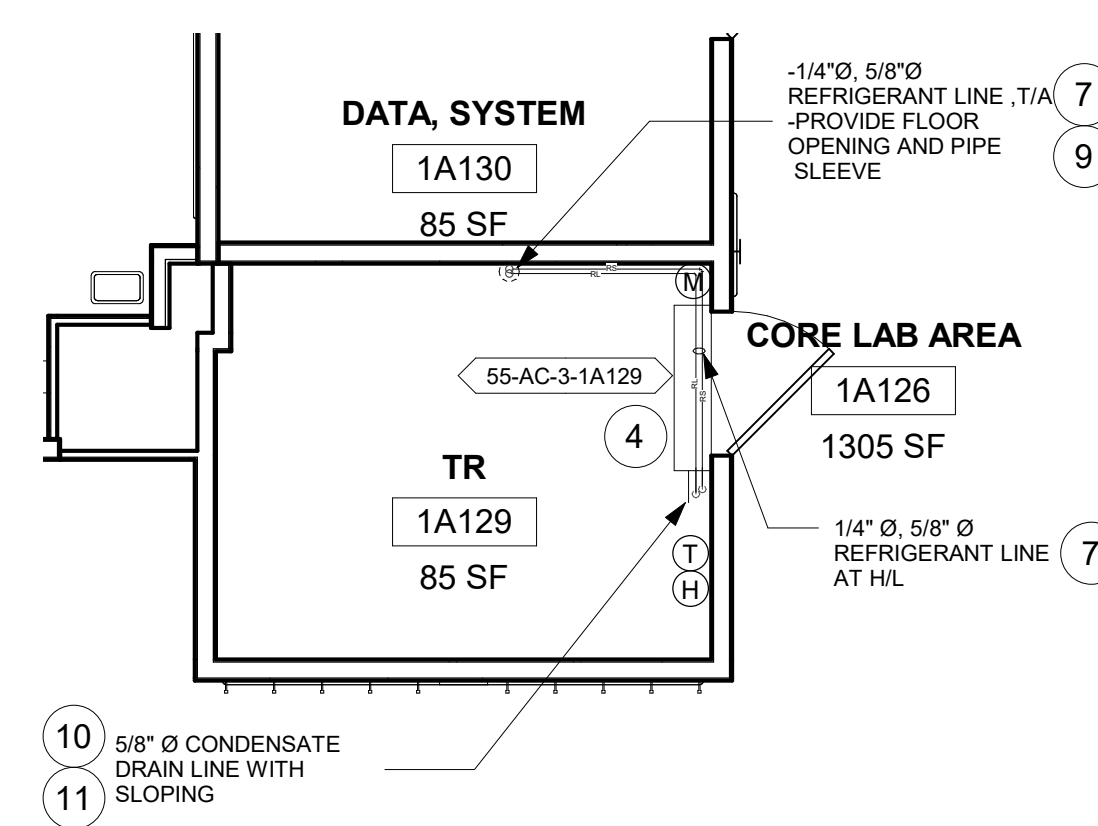
KEY PLAN



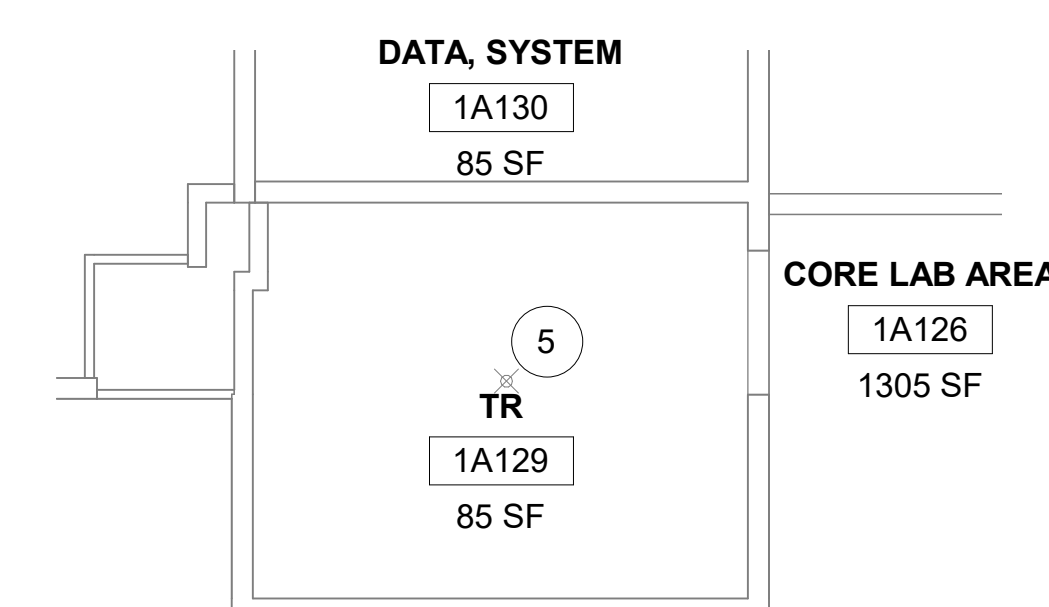
1 RM 1A129 - DEMO FP
1/4" = 1'-0" PROJECT NORTH



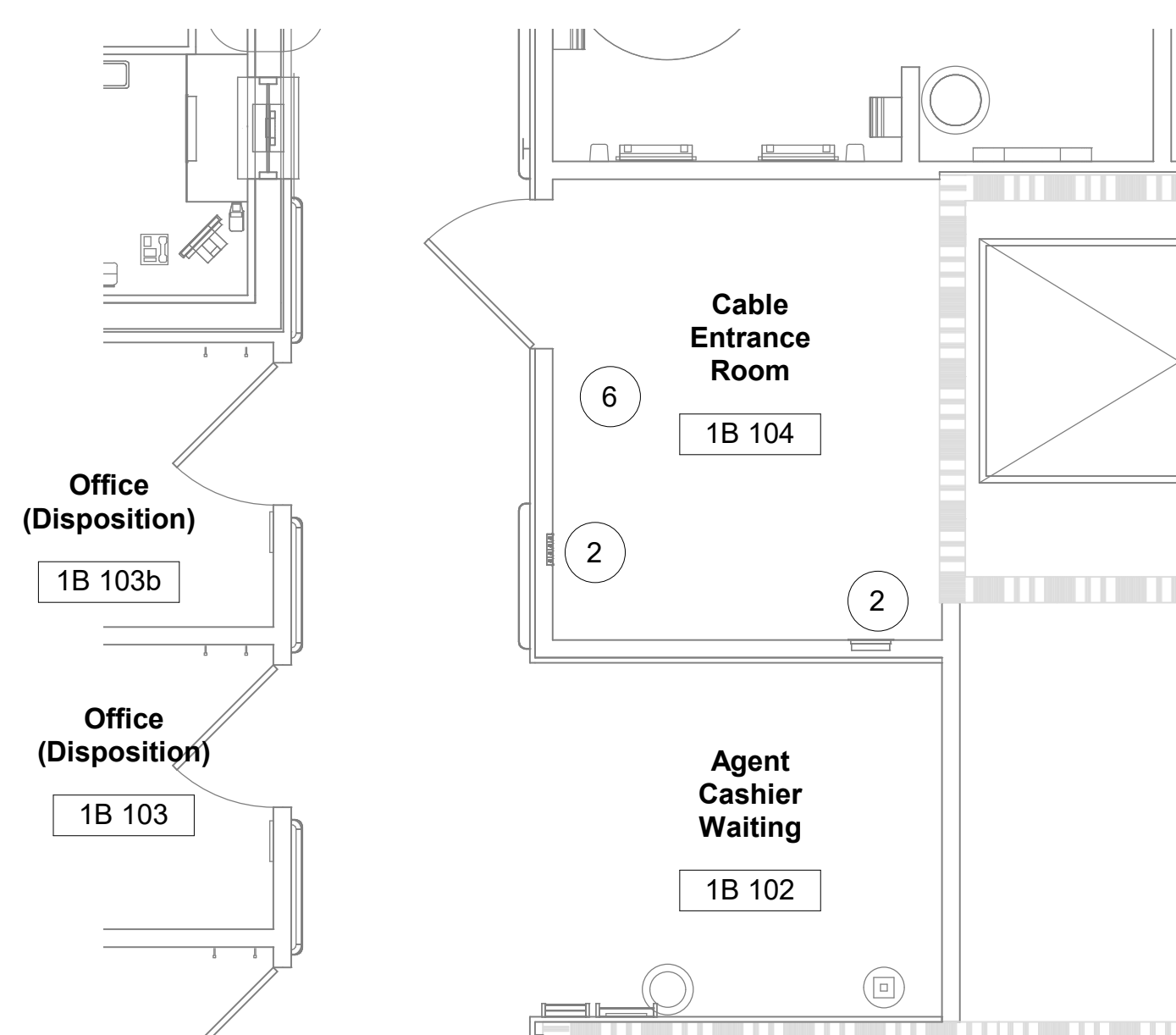
2 RM 1A129 - DEMO RCP
1/4" = 1'-0"



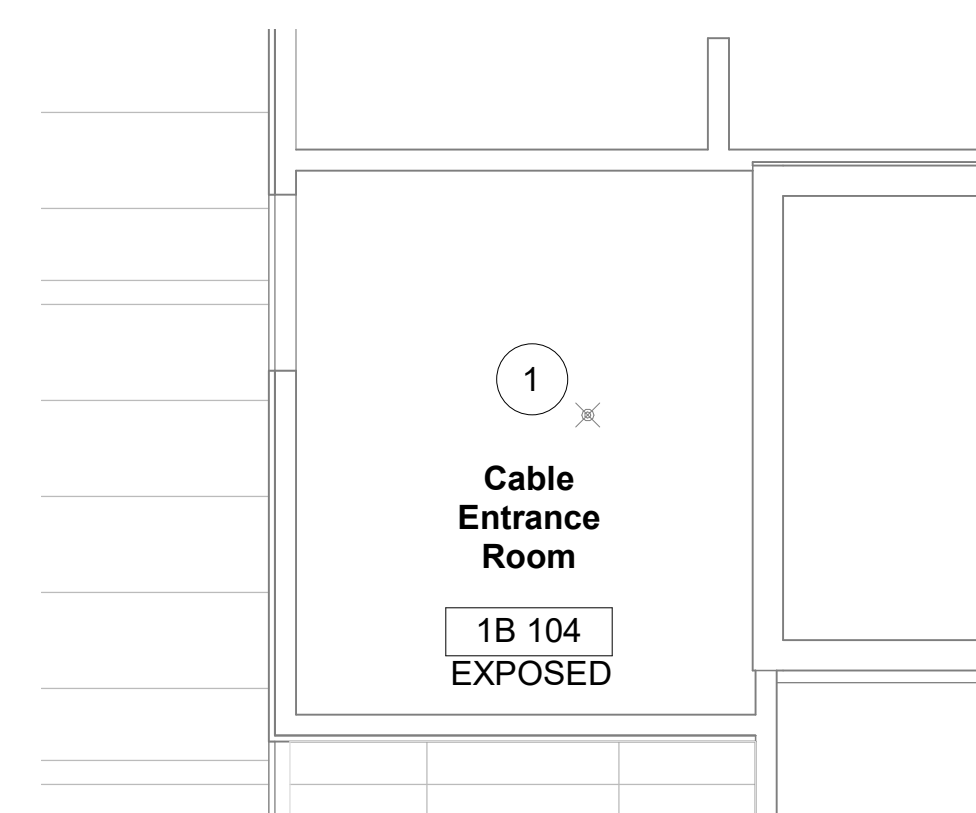
3 RM 1A129 - FLOOR PLAN
1/4" = 1'-0"



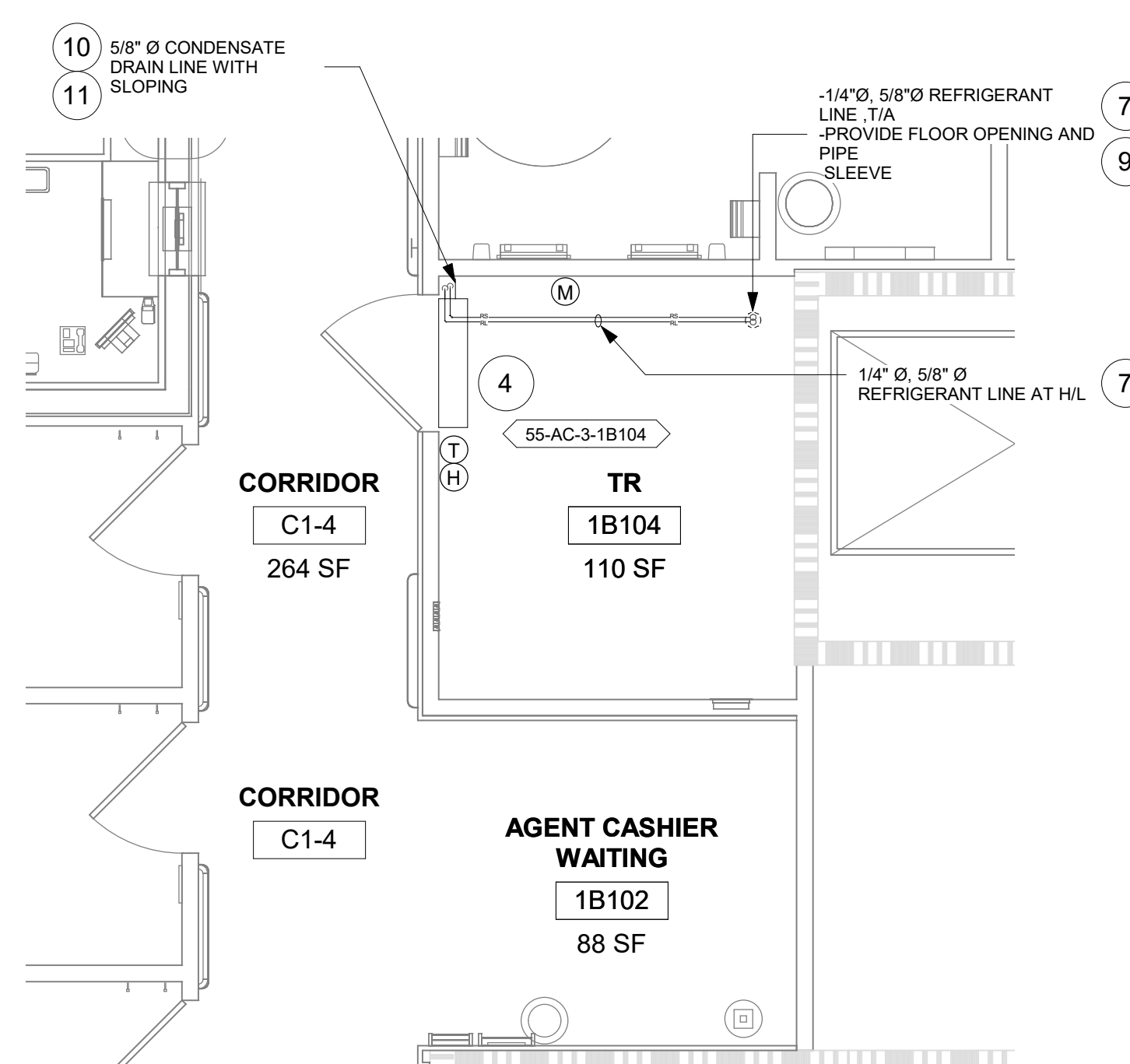
4 RM 1A129 - RCP
1/4" = 1'-0"



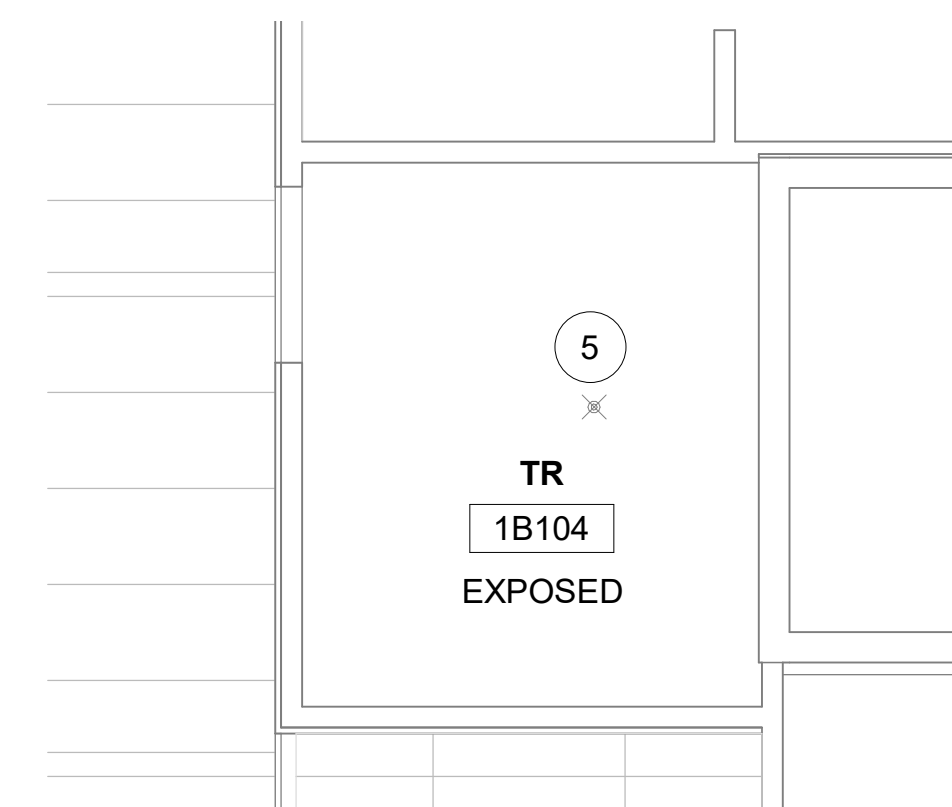
5 RM 1B104 - DEMO FLOOR PLAN
1/4" = 1'-0"



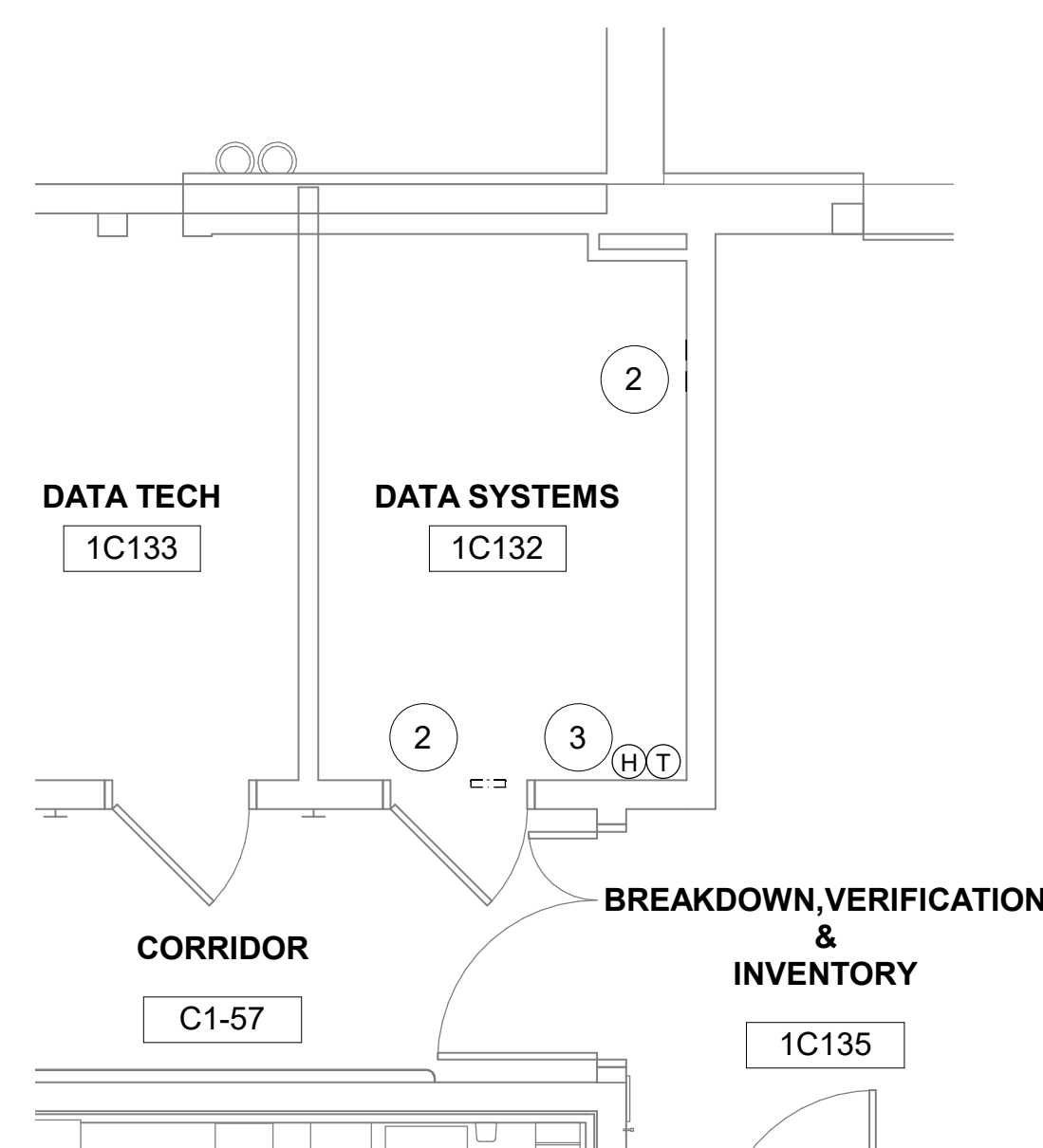
6 RM 1B104 - DEMO RCP
1/4" = 1'-0" PROJECT NORTH



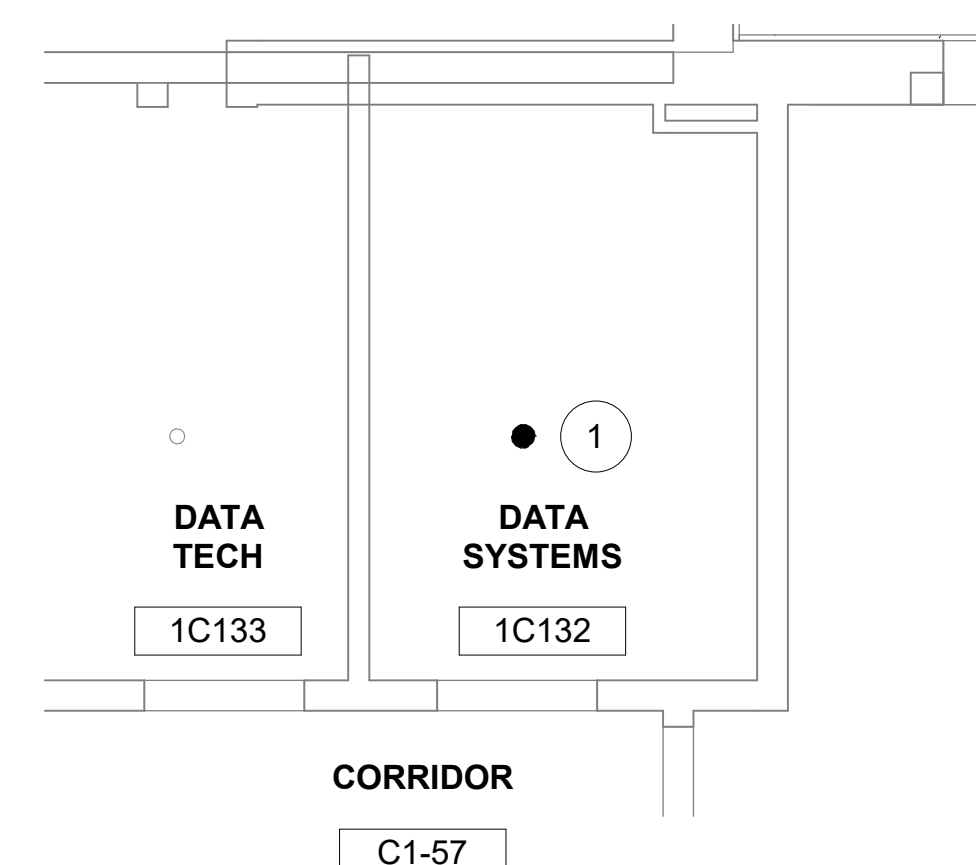
7 RM 1B104 - FLOOR PLAN
1/4" = 1'-0" PROJECT NORTH



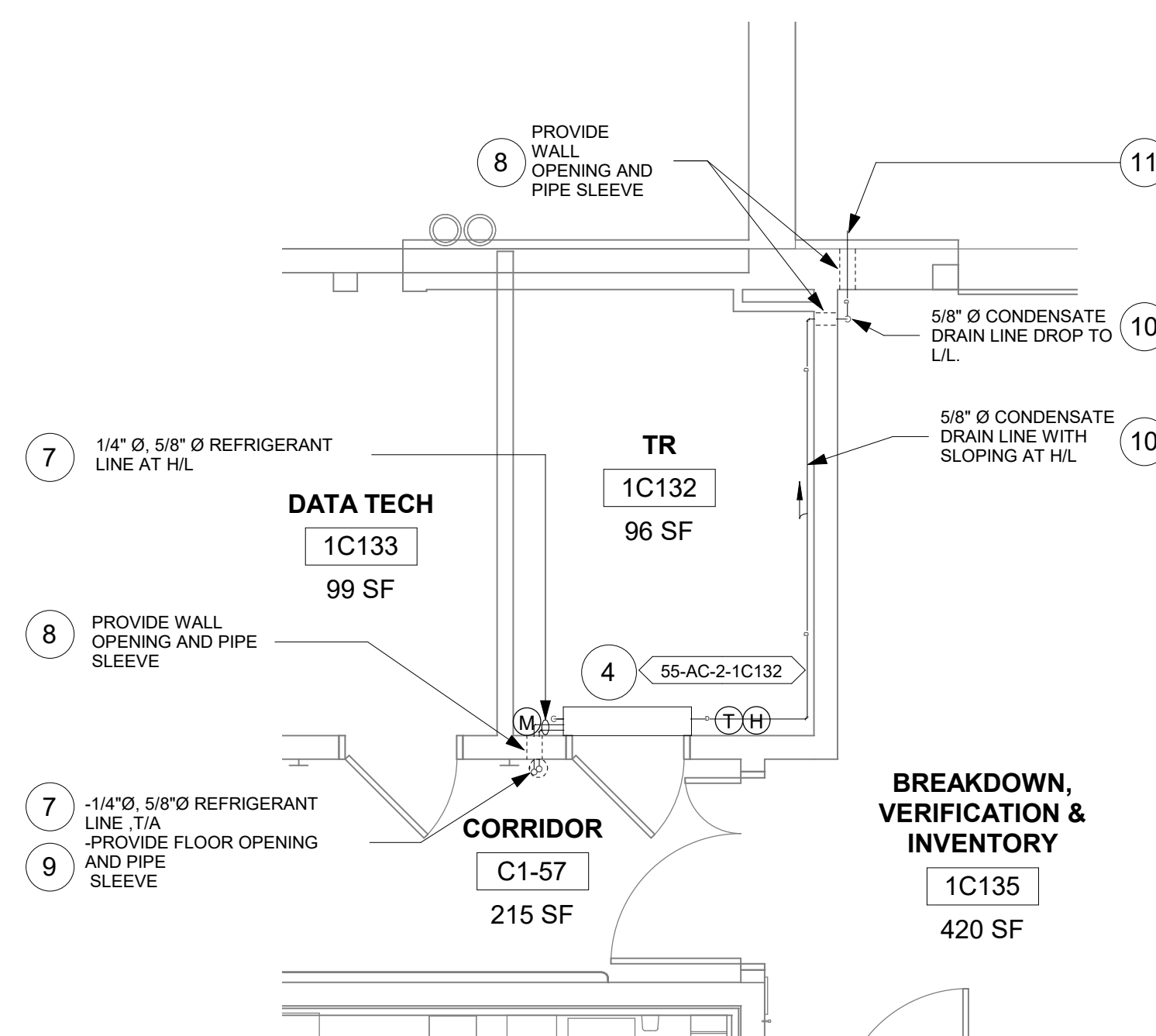
8 RM 1B104 - RCP
1/4" = 1'-0"



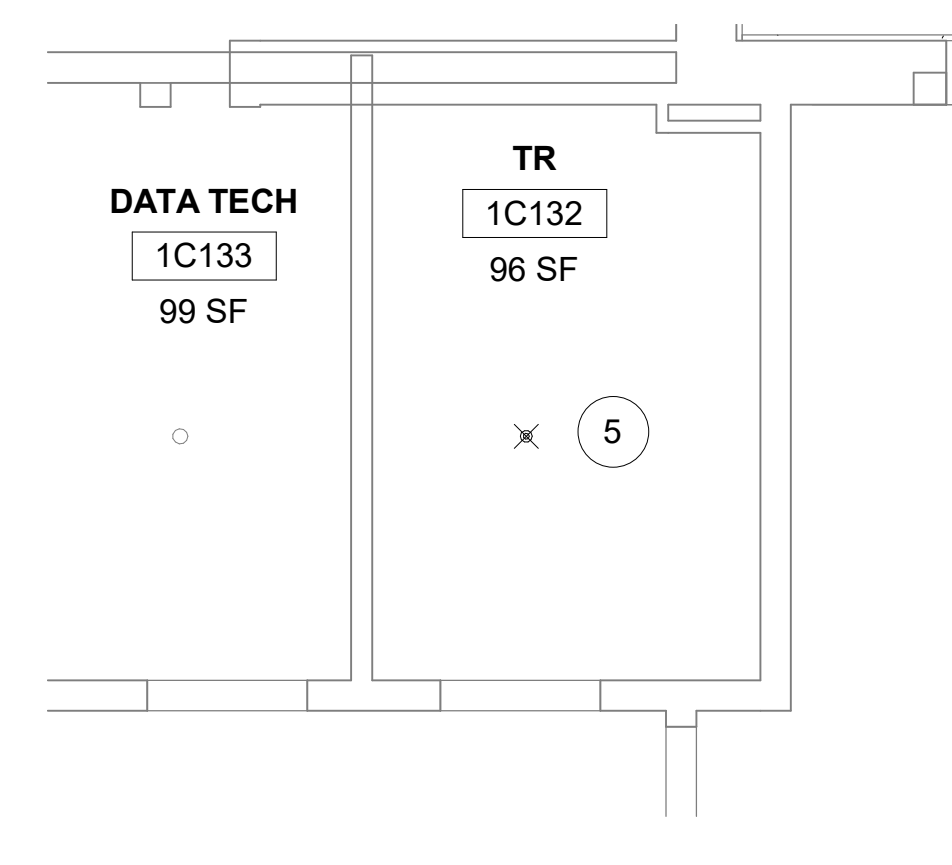
9 RM 1C132 - DEMO FLOOR PLAN
1/4" = 1'-0" PROJECT NORTH



10 RM 1C132 - DEMO RCP
1/4" = 1'-0" PROJECT NORTH



11 RM 1C132 - FLOOR PLAN
1/4" = 1'-0" PROJECT NORTH




12 RM 1C132 - RCP
1/4" = 1'-0" PROJECT NORTH

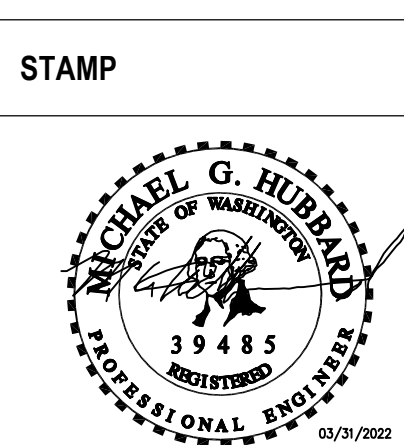
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CONSULTANT
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625 1ST AVE, STE 301
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 **SPEESDESIGNBUILD**



Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title
BLDG 55 - FLOOR 1 - DEMO,
FLOOR PLANS & RCPS

Approved: _____

Phase
CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title	Project Number
EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
	Building Number

Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO			Drawing Number 55M-101 114 OF 435
Issue Date 03/31/2022	Checked MGH	Drawn MM/OB/JJ/CY	

GENERAL NOTES

1. CONTRACTOR MUST VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE BEGINNING ANY FABRICATION OR CONSTRUCTION.
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4. COORDINATE INSTALLATION OF EQUIPMENT AND MATERIALS WITH OTHER TRADES. DO NOT ROUTE CONDENSATE PIPING OVER ELECTRICAL PANELS OR ELECTRONIC EQUIPMENT.
5. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND OWNER PRIOR TO ANY CUTTING OF WALLS AND ROOF.
7. IF FLOOR OR RATED WALL PENETRATIONS CANNOT BE FIRE STOPPED AT THE END OF THE WORK SHIFT, TEMPORARY FIRESTOPPING COMPOSED OF MINERAL WOOL SHALL BE INSTALLED IN THE PENETRATION TO PROVIDE PROTECTION AGAINST FIRE/SMOKE SPREAD THROUGH THE UNSEALED PENETRATION.

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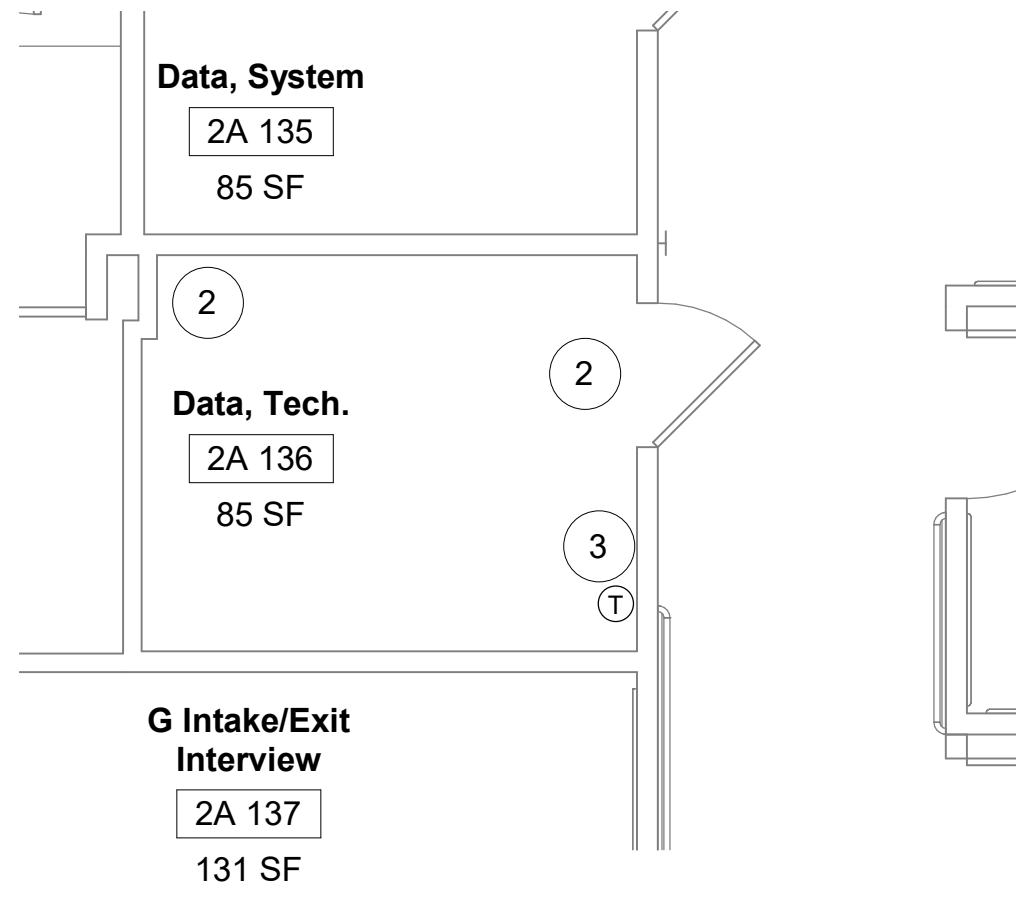
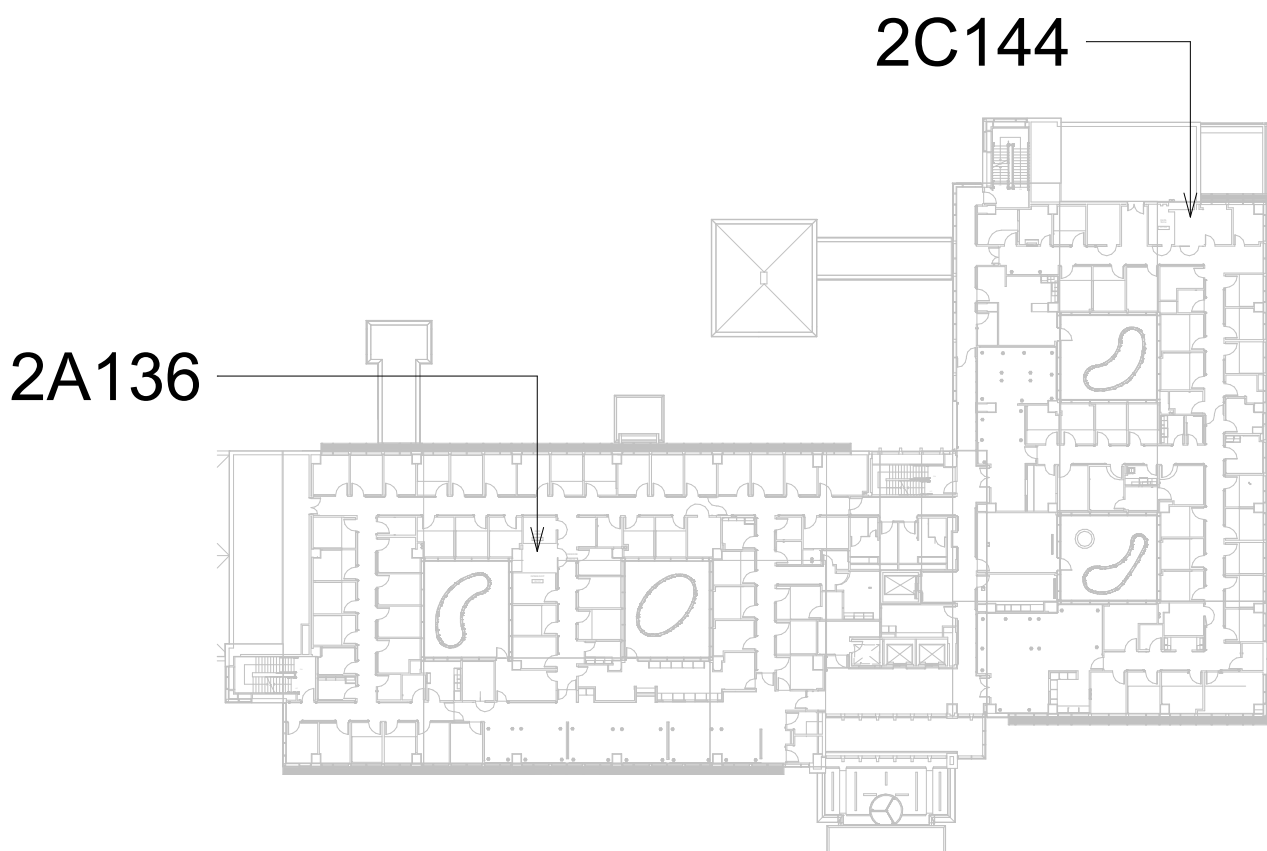
FIRE PROTECTION NOTES

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2. ROOMS THAT DONT HAVE CEILINGS (EXPOSED TO STRUCTURE) SHALL HAVE THE BRANCH PIPING MODIFIED TO TURN THE SPRINKLER UPRIGHT. PROVIDE SPRINKLER PROTECTION CAGE.
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5. SPRINKLER HEADS MUST BE REPLACED AT THE SAME TIME AS THE CEILING IS DEMOLISHED.

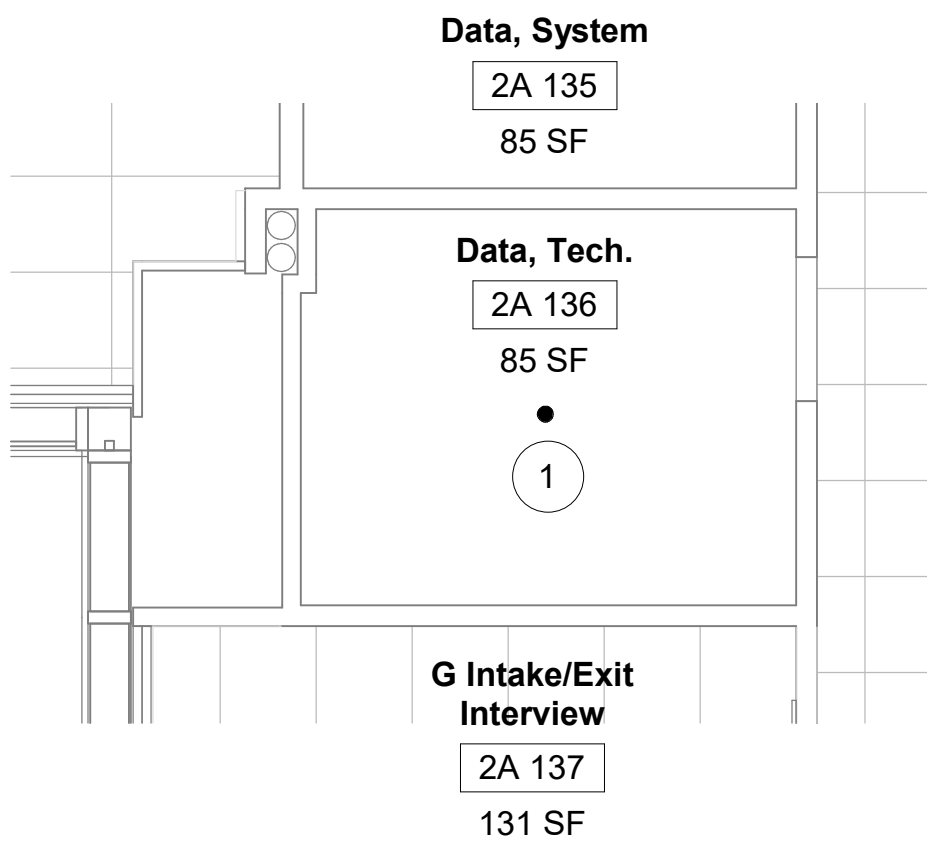
KEYNOTES #

1. DEMO SPRINKLER.
2. DEMO SUPPLY AND RETURN WALLS GRILLE. CAP/SEAL DUCT AT WALL.
3. TEMPRAK SENSOR TO REMAIN.
4. INSTALL NEW DUCTLESS SPLIT COOLING UNIT.
5. INSTALL NEW STANDARD RESPONSE SPRINKLER IN UPRIGHT POSITION. PROVIDE CAGE GUARD.
6. REMOVE JOHNSON CONTROLS TEMPERATURE SENSOR. SAVE FOR RELOCATION.
7. RELOCATE JOHNSON CONTROLS TEMPERATURE SENSOR. EXTEND WIRING TO NEW LOCATION.
8. INSTALL NEW REFRIGERANT LINES (INDOOR UNIT TO OUTDOOR UNIT). PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT
9. REFER TO M-502 FOR PIPE THRU FLOOR DETAIL.
10. REFER TO M-502 FOR PIPE THRU WALL DETAIL.
11. INSTALL NEW CONDENSATE LINE. PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT. PITCH THE CONDENSATE DRAIN LINE IN THE DIRECTION OF FLOW. PROVIDE CLEANOUTS AT EACH TURN IN THE DIRECTION OF FLOW.
12. CONTRACTOR TO ROUTE CONDENSATE PIPING TO THE NEAREST EXTERIOR WALL, PENETRATING THE EXTERIOR WALL AND ROUTING TO TERMINATED AT GRADE. SECURE PIPE TO EXTERIOR WALL. PAINT CONDENSATE PIPE TO MATCH THE COLOR OF THE EXTERIOR WALL. COORDINATE ROUTING AND DISCHARGE LOCATION WITH COR.

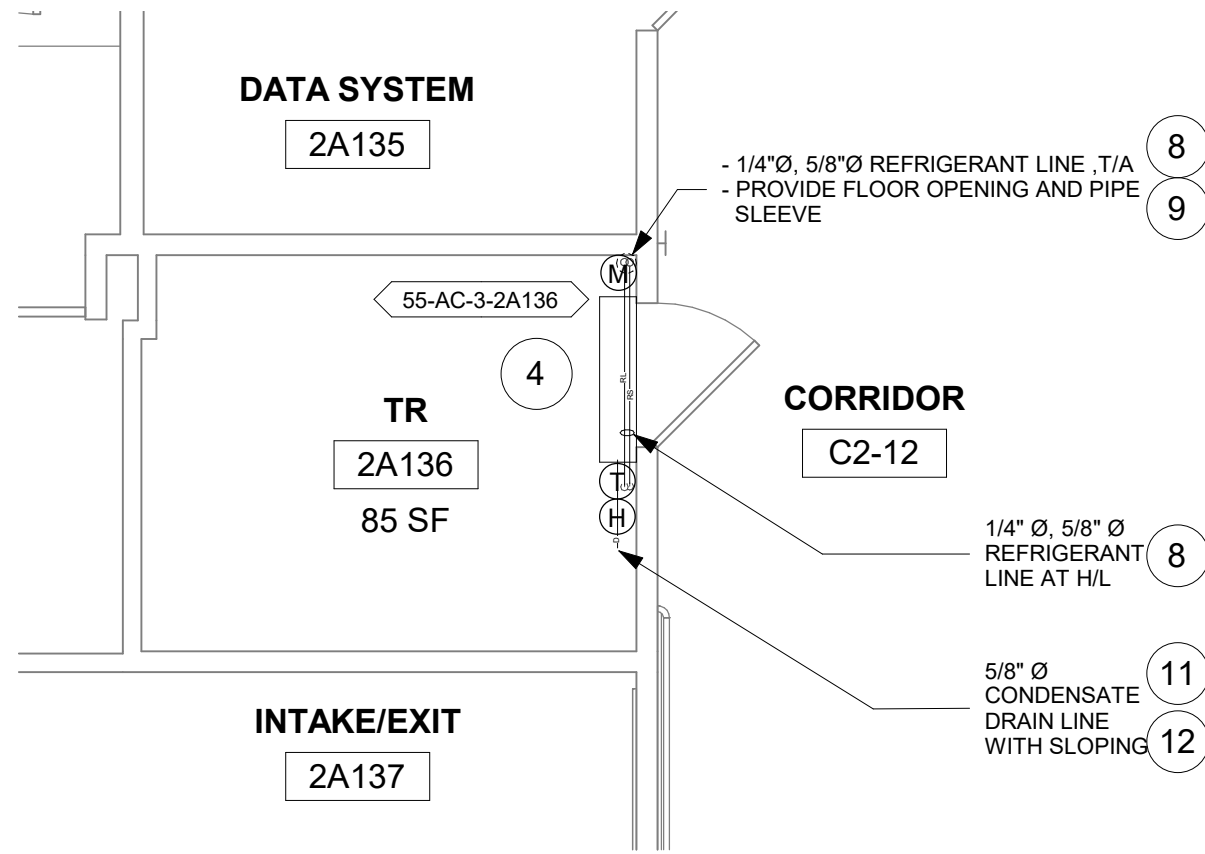
KEY PLAN



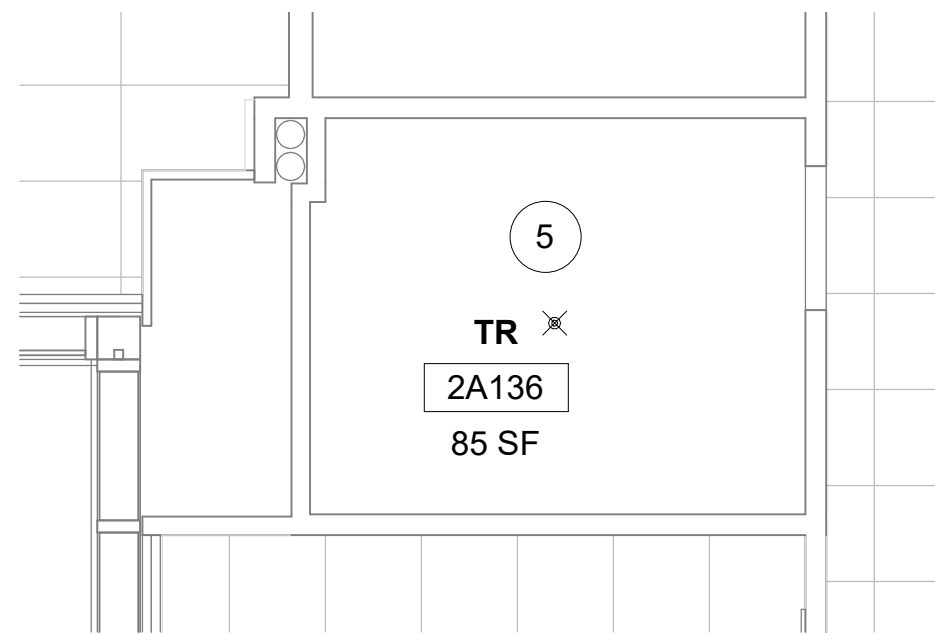
1 RM 2A136 - DEMO FP
1/4" = 1'-0"



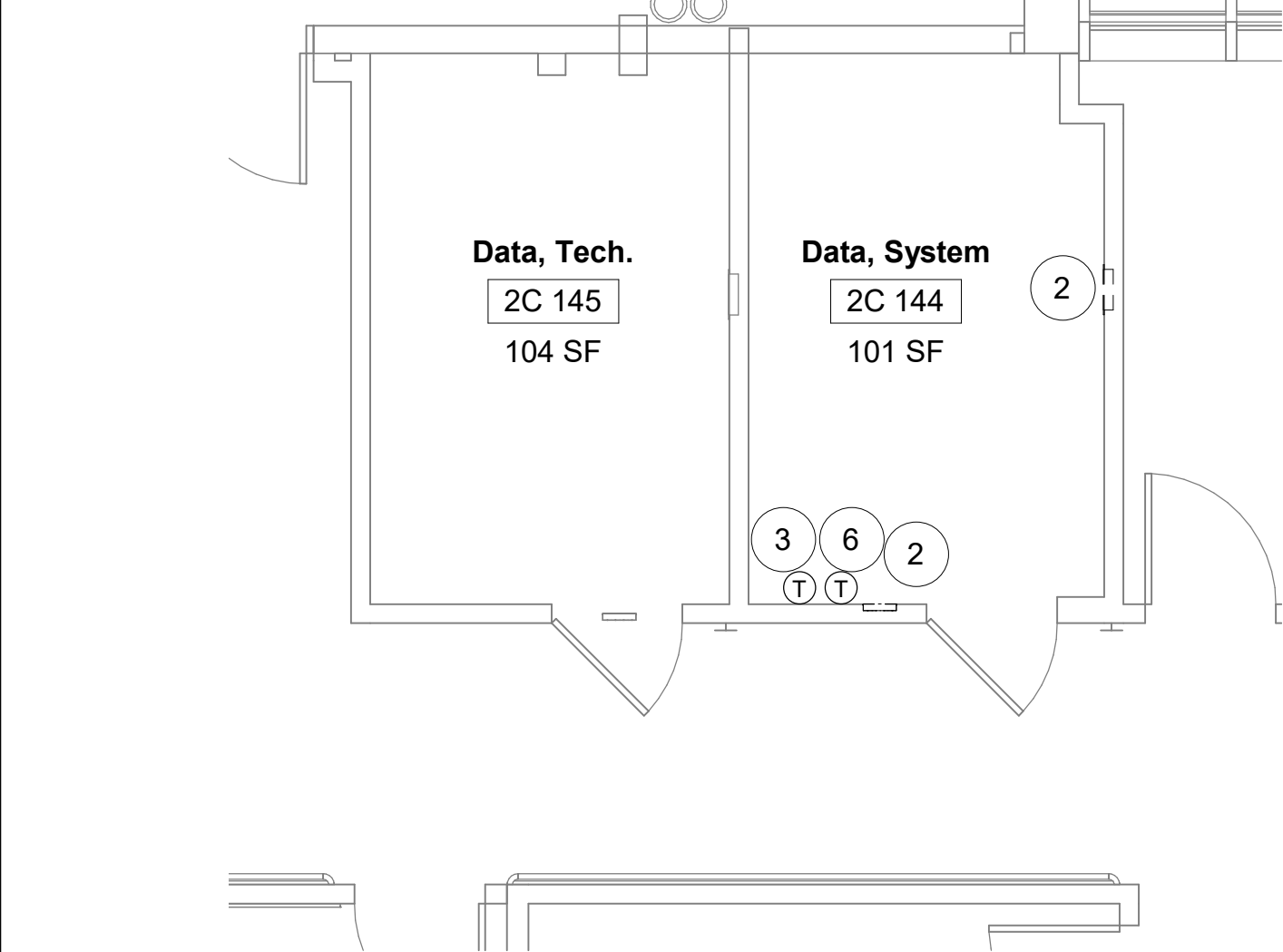
2 RM 2A136 - DEMO RCP
1/4" = 1'-0"



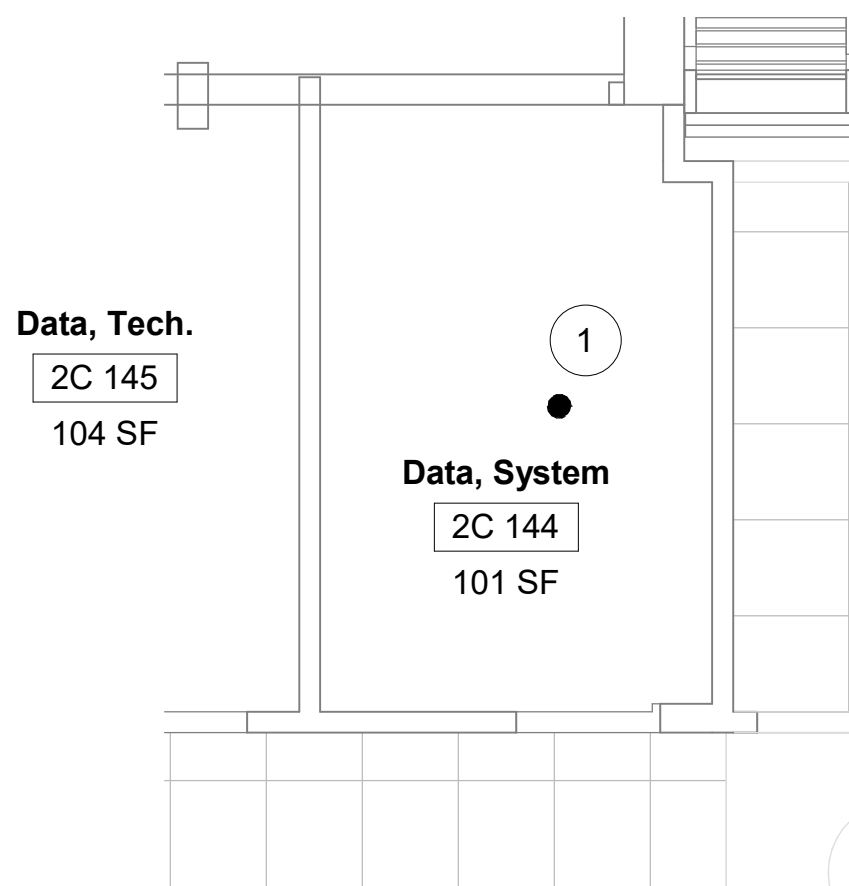
3 RM 2A136 - FLOOR PLAN
1/4" = 1'-0"



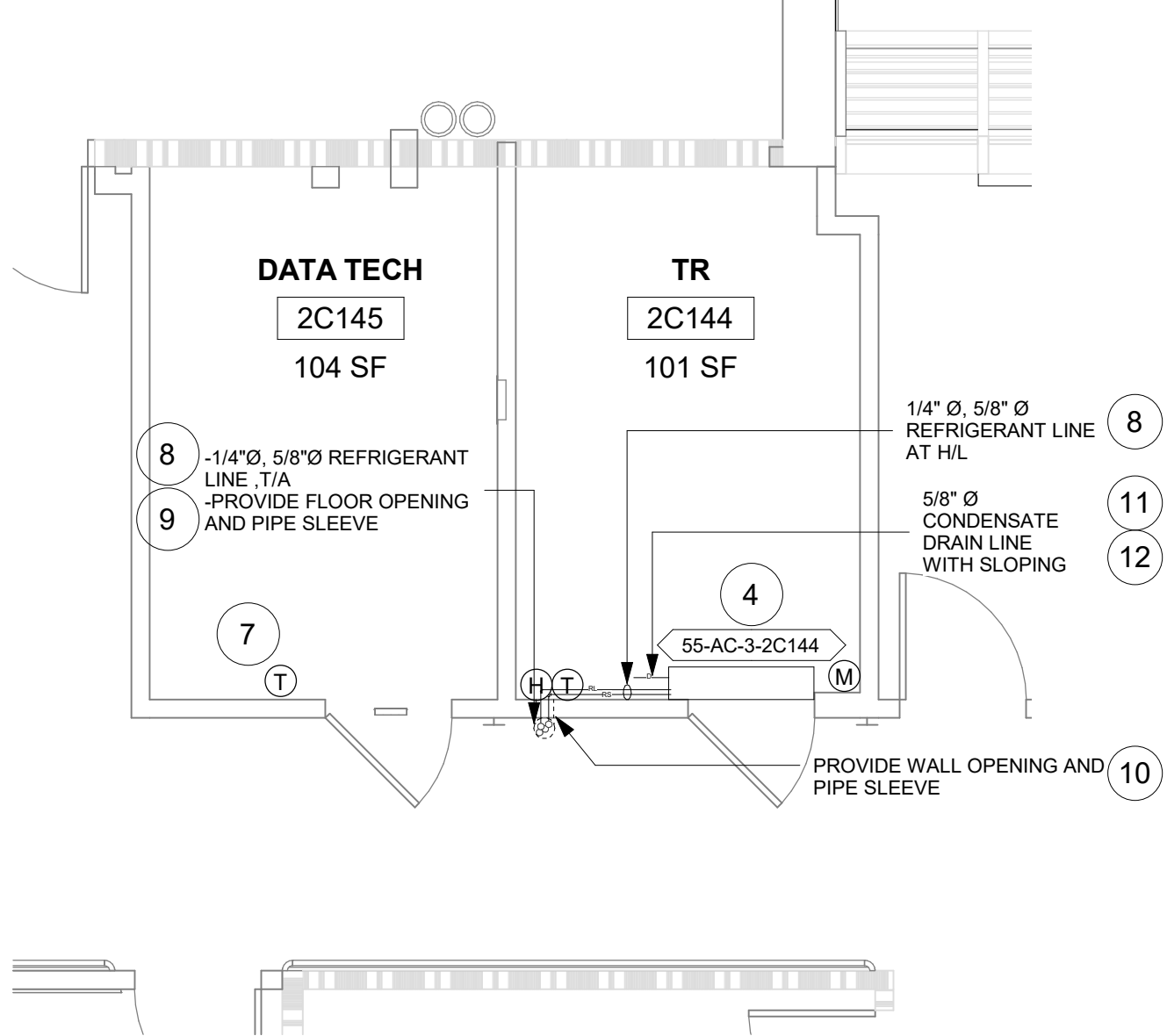
4 RM 2A136 - RCP
1/4" = 1'-0"



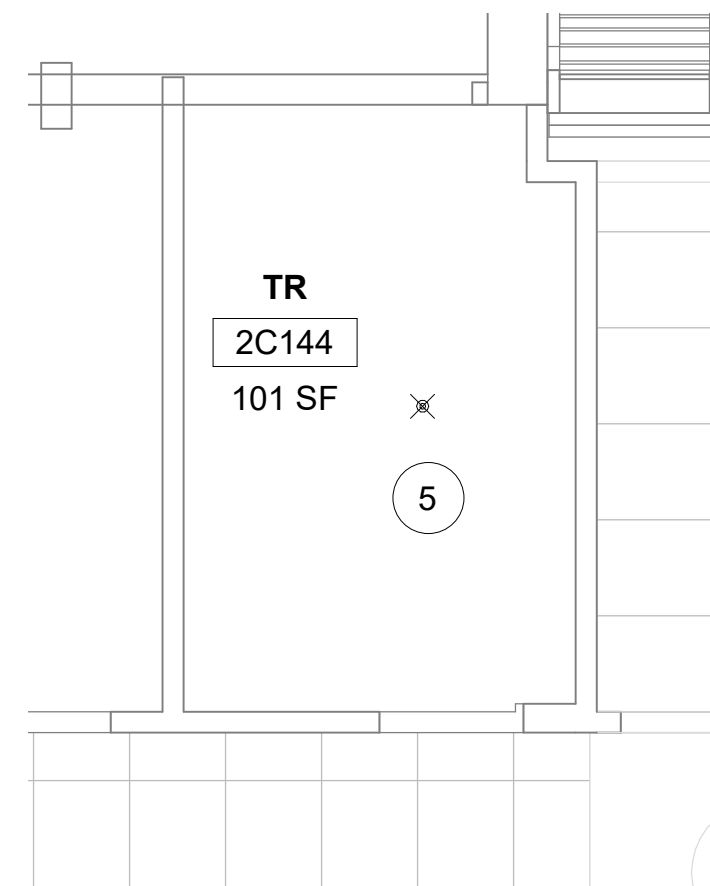
5 RM 2C144 - DEMO FLOOR PLAN
1/4" = 1'-0"



6 RM 2C144 - DEMO RCP
1/4" = 1'-0"



7 RM 2C144 - FLOOR PLAN
1/4" = 1'-0"

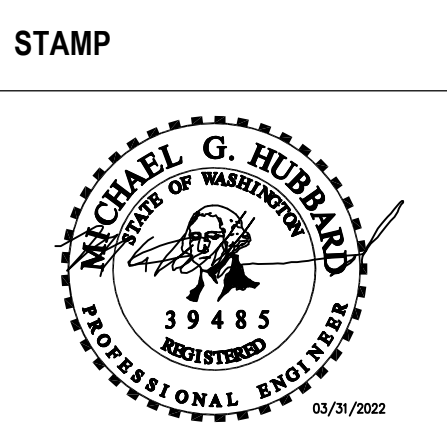


8 RM 2C144 - RCP
1/4" = 1'-0"

Revisions:	Date:

CONSULTANT
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Office of
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and Facilities
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VA U.S. Department
of Veterans Affairs

Drawing Title
BLDG 55 - FLOOR 2 - DEMO,
FLOOR PLANS & RCPS

Approved:

Phase
CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

Checked
MGH

Drawn
MM/OBJ/JCY

Project Number
657-21-701JB
Building Number
55
Drawing Number
55M-102
115 OF 435

A

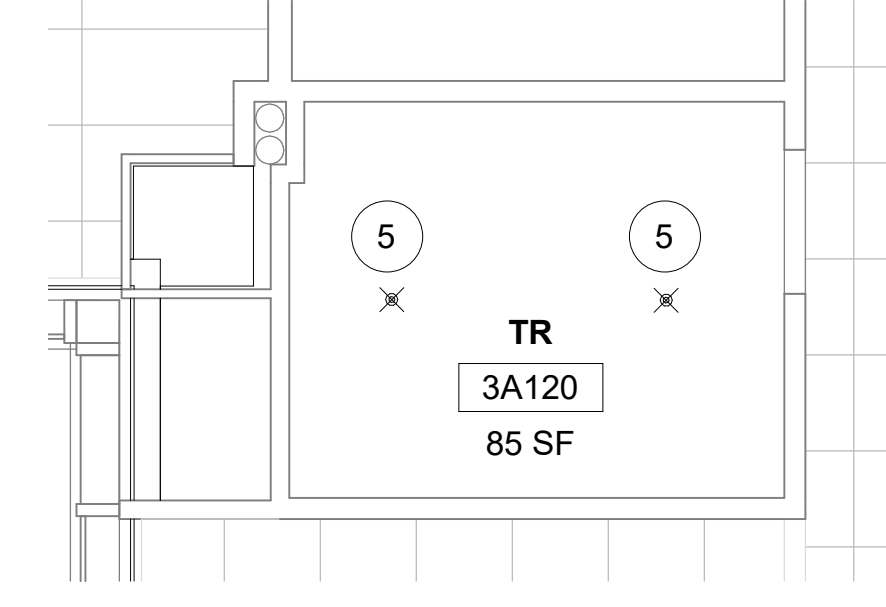
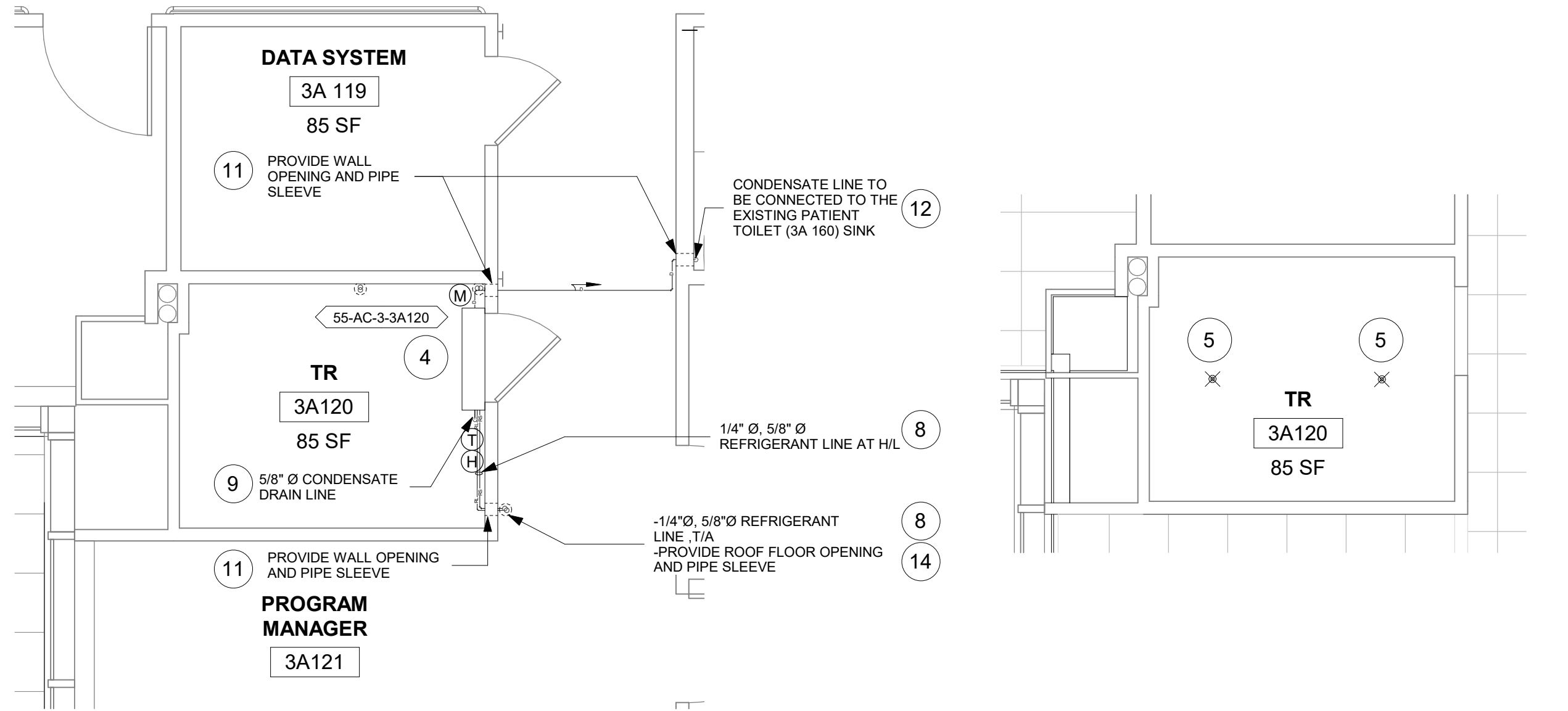
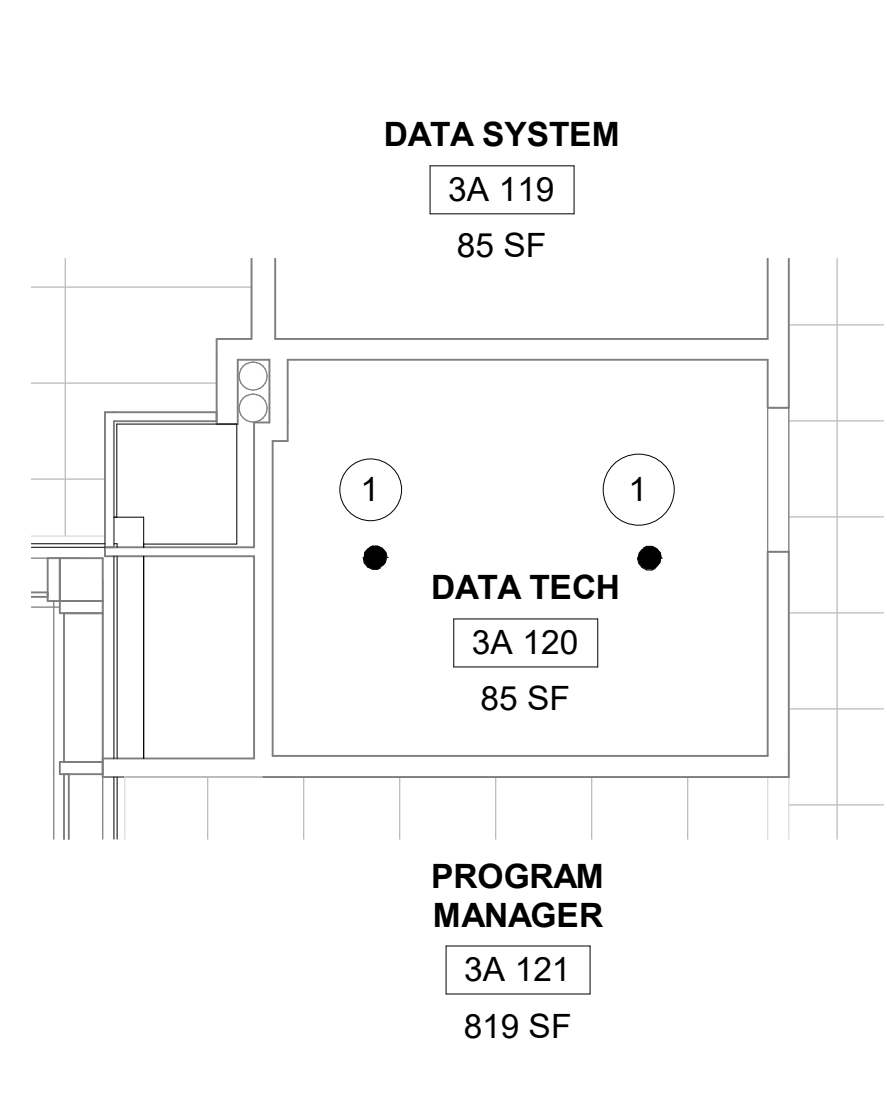
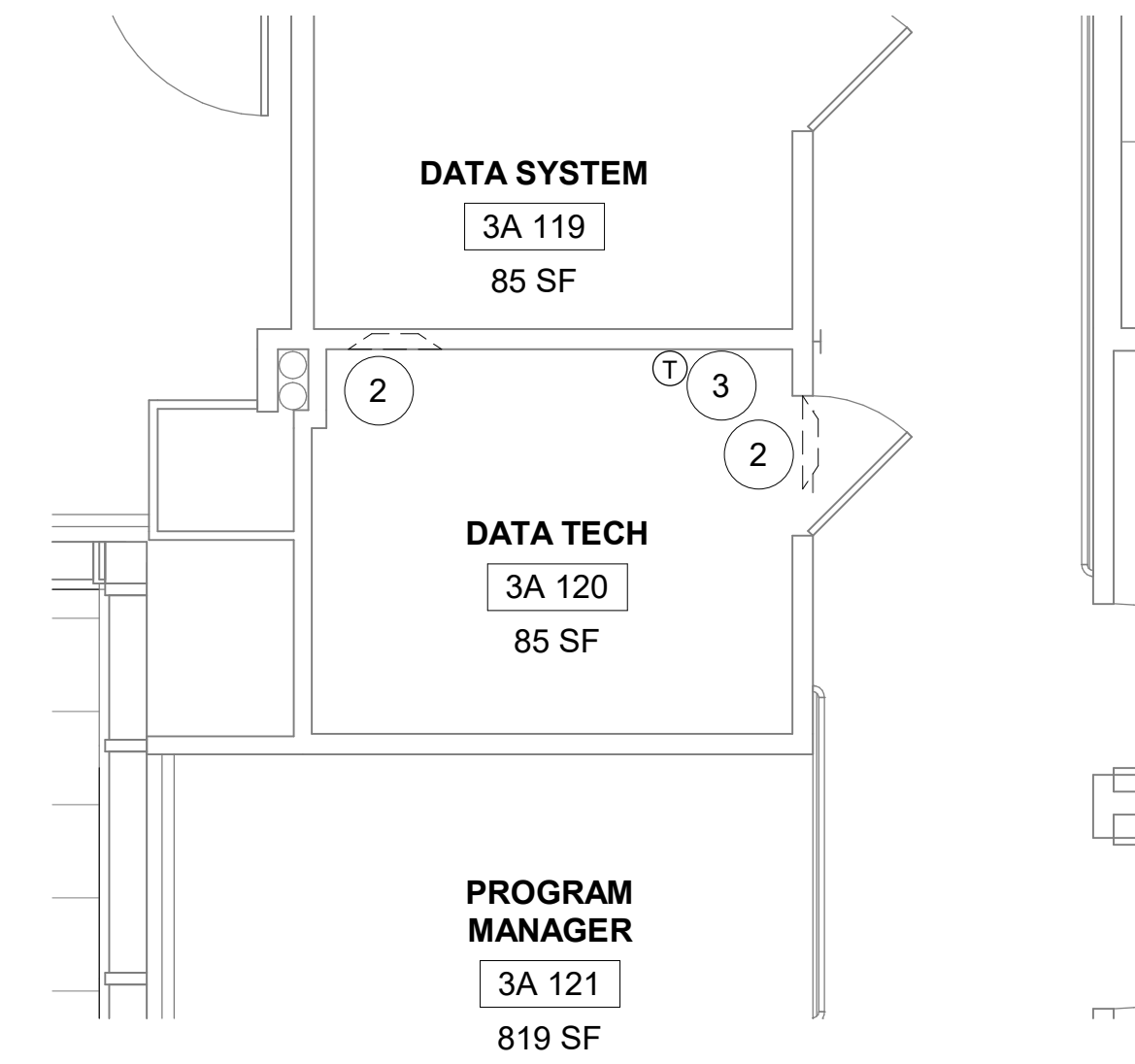
B

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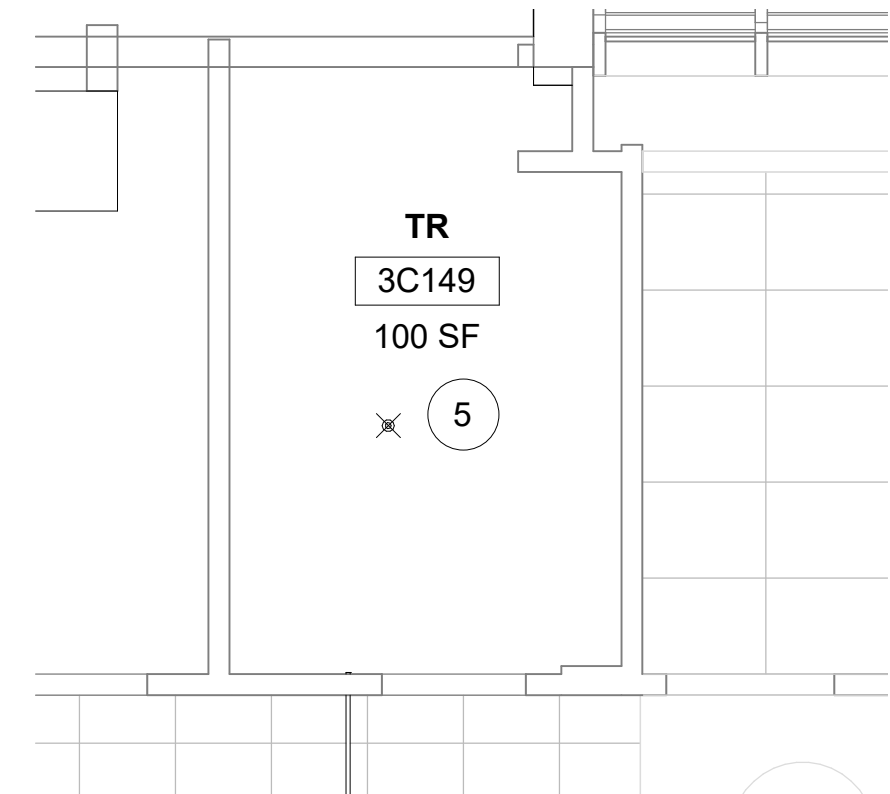
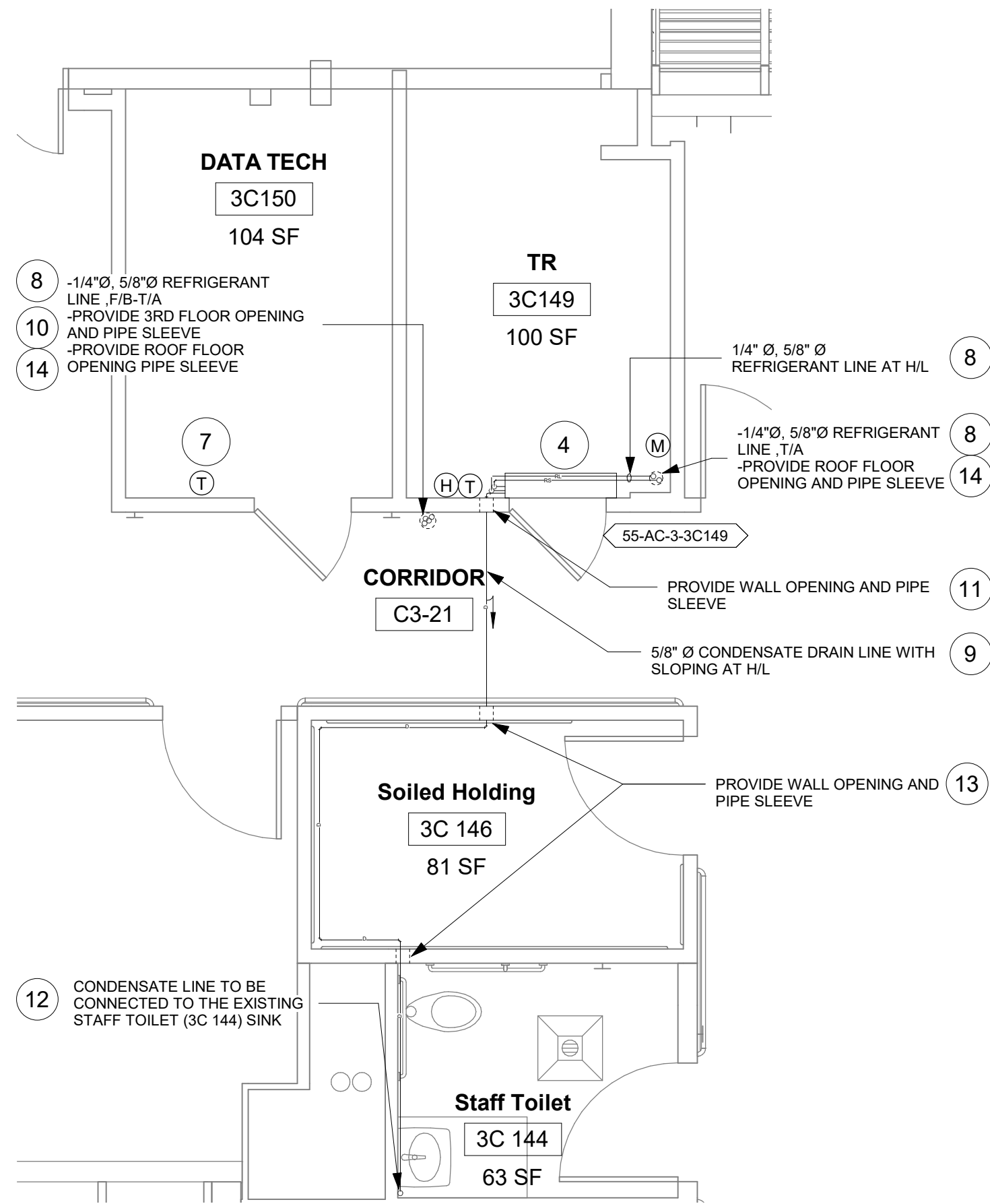
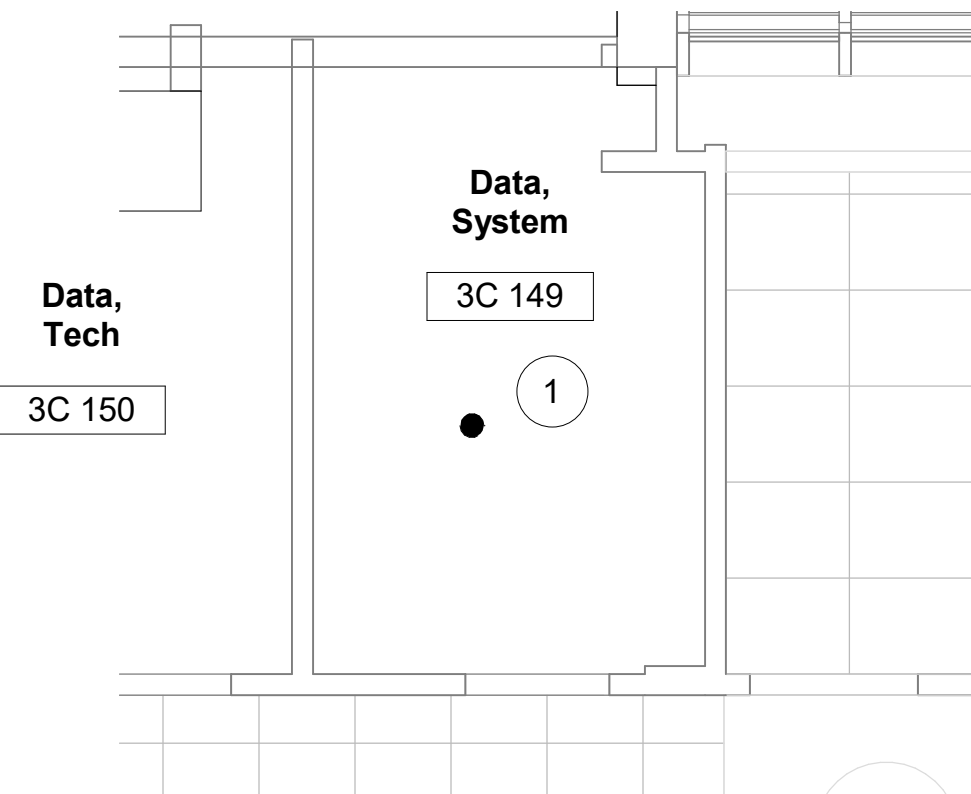
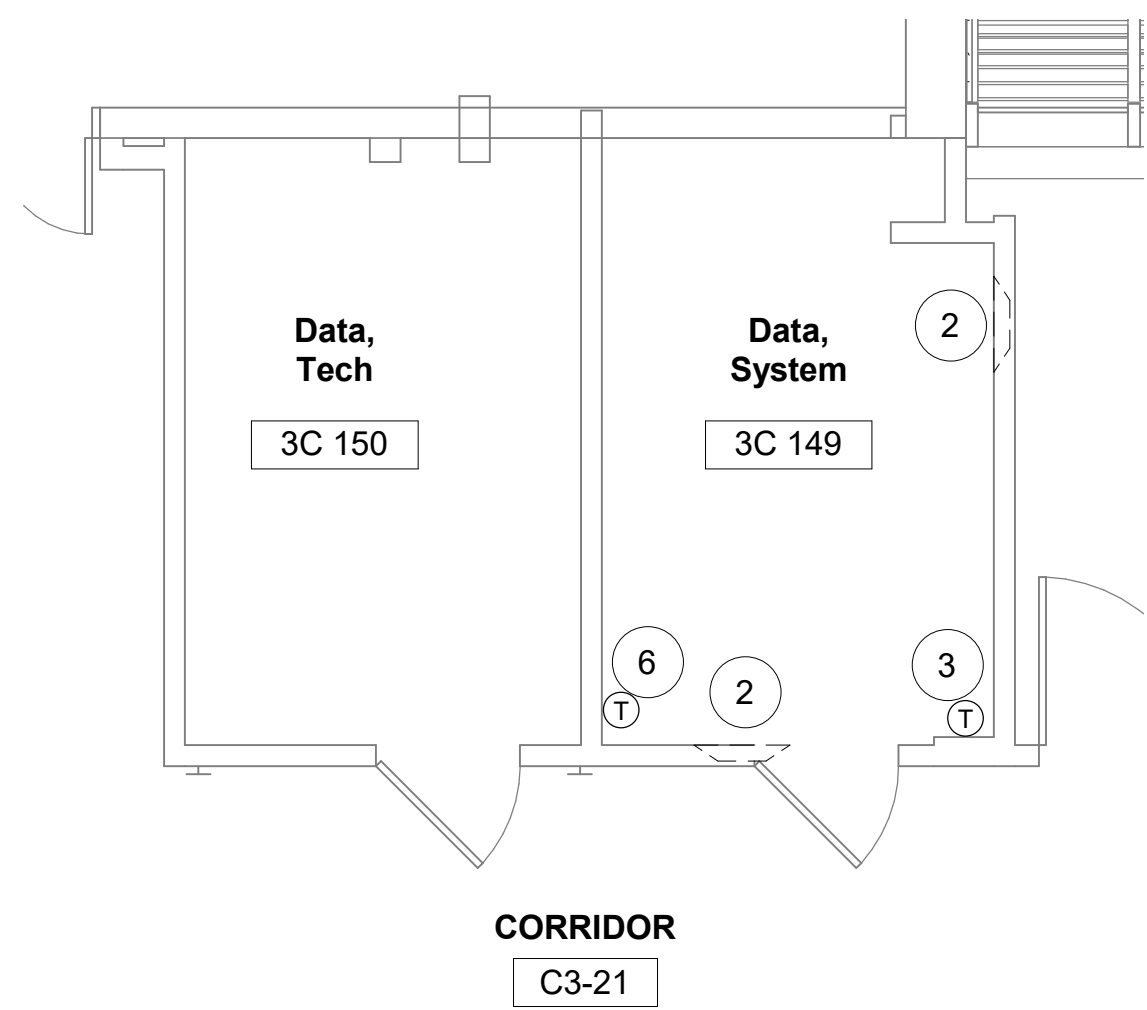


1 RM 3A120 - DEMO FP
1/4" = 1'-0"

2 RM 3A120 - DEMO RCP
1/4" = 1'-0"

3 RM 3A120 - FLOOR PLAN
1/4" = 1'-0"

4 RM 3A120 - RCP
1/4" = 1'-0"



5 RM 3C149 - DEMO FLOOR PLAN
1/4" = 1'-0"

6 RM 3C149 - DEMO RCP
1/4" = 1'-0"

7 RM 3C149 - FLOOR PLAN
1/4" = 1'-0"

8 RM 3C149 - RCP
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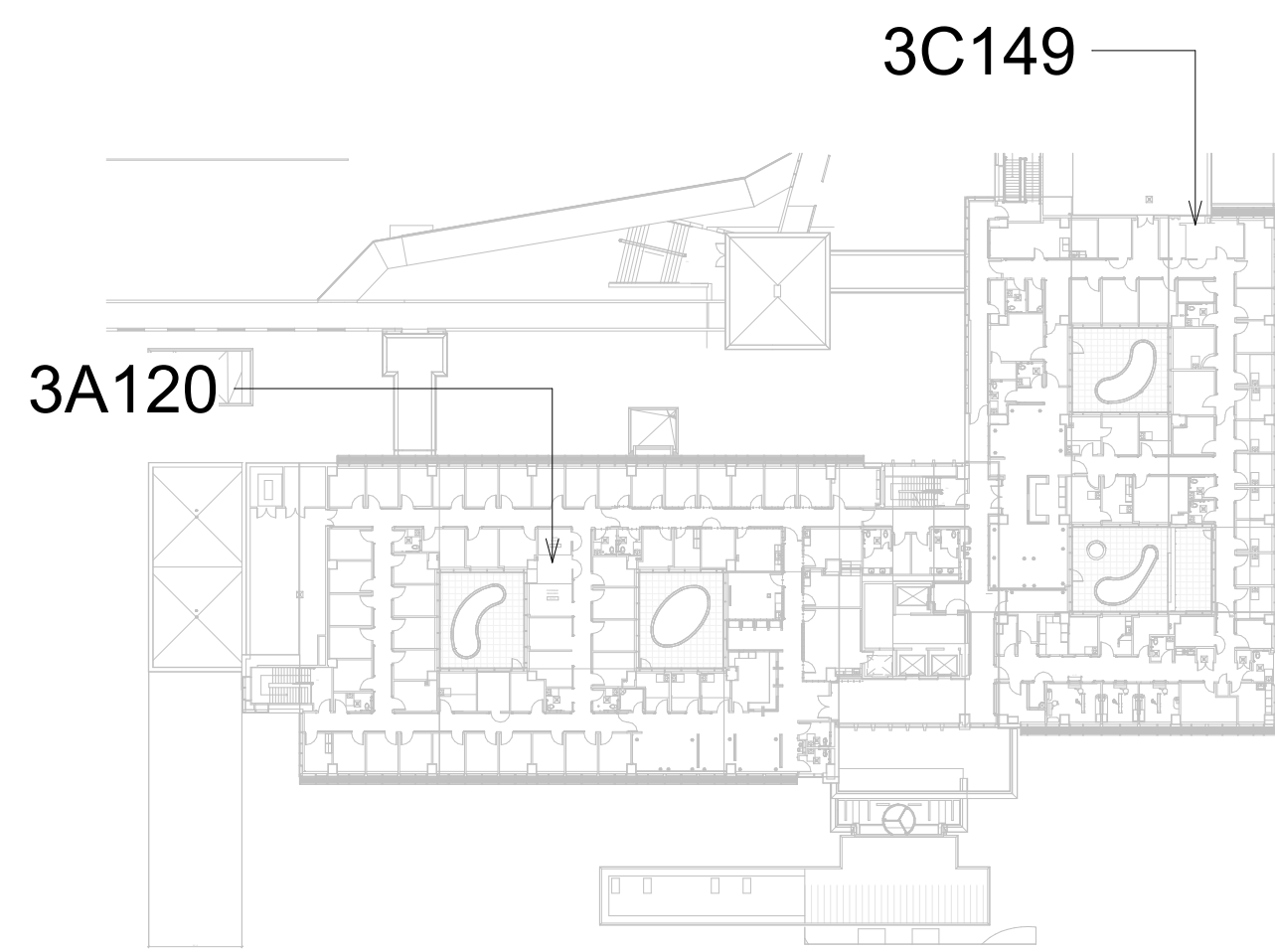
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- REFER TO M-502 FOR PIPE THRU FLOOR DETAIL.
- REFER TO M-502 FOR PIPE THRU WALL DETAIL.
- REFER TO M-501 FOR INDIRECT DRAIN FOR SINK DETAIL.
- REFER TO M-502 FOR PIPE THRU FIRE RATED WALL DETAIL.
- REFER TO M-501 FOR LINESET FLASHING DETAIL.

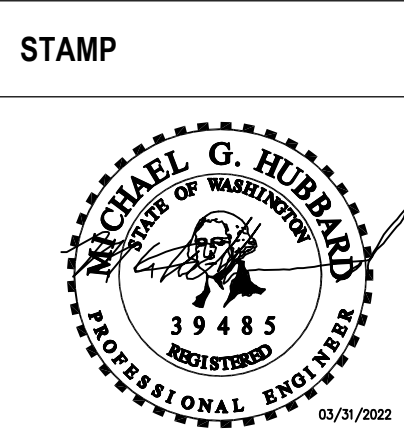
KEY PLAN



Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
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RAY SPEES



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

Drawing Title
BLDG 55 - FLOOR 3 - DEMO,
FLOOR PLANS & RCPS

Approved:

Phase
CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

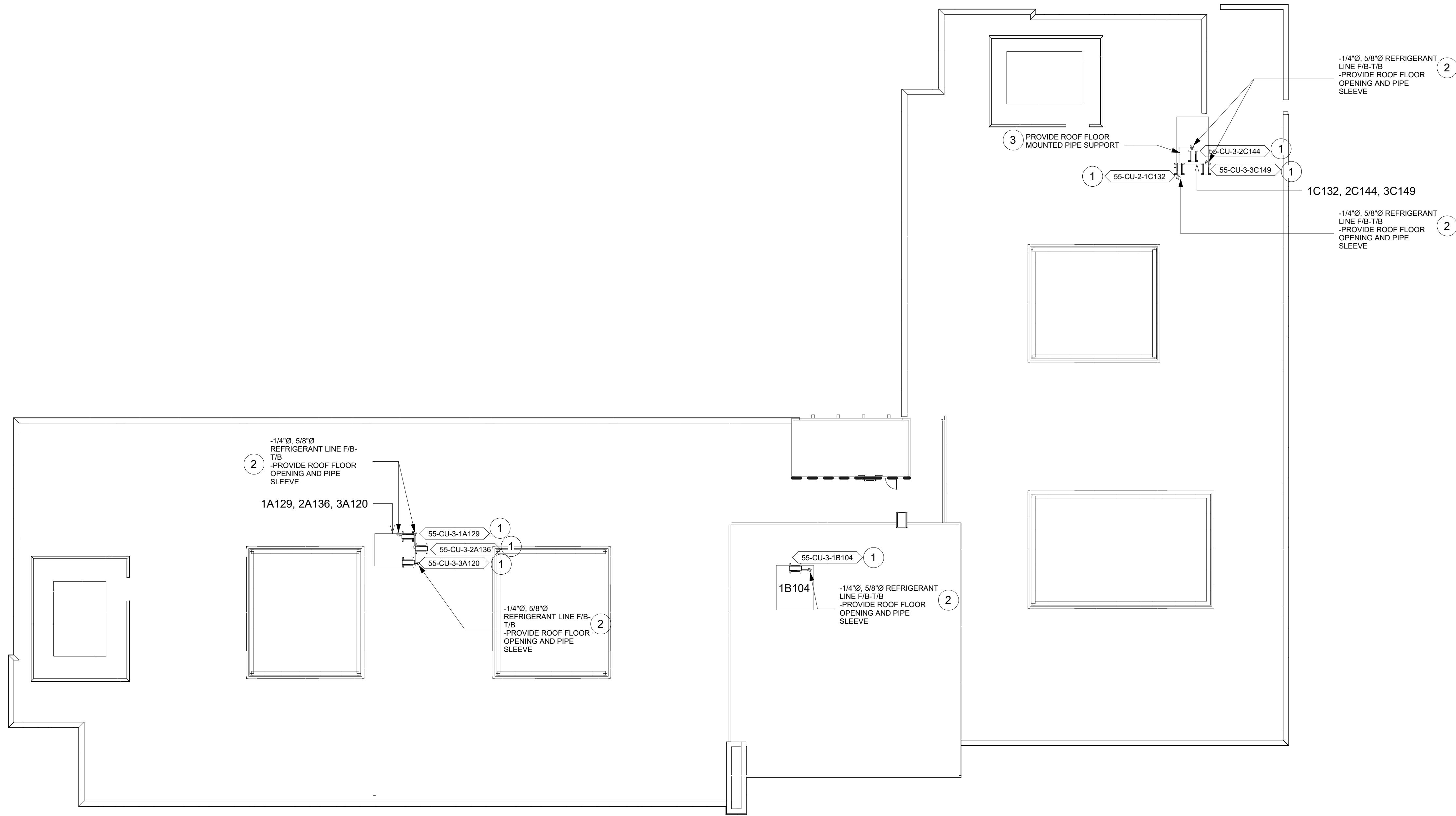
Checked
MGH

Drawn
MM/OBJ/JCY

Project Number
657-21-701JB
Building Number
55
Drawing Number
55M-103
116 OF 435

KEYNOTES #

1. REFER TO M-501 FOR CONDENSING UNIT ROOF MOUNT SUPPORT DETAIL.
2. REFER TO M-501 FOR LINESET FLASHING DETAIL.
3. REFER TO 5-502 FOR PIPE ROOF MOUNTING DETAIL.



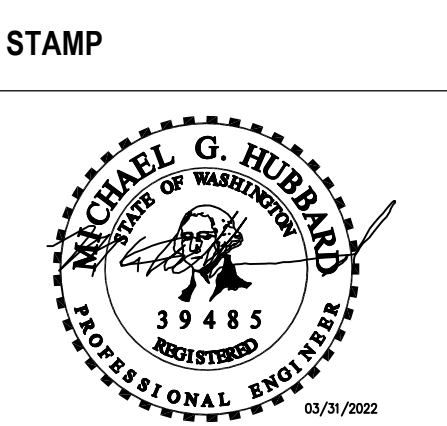
1 BLDG 55 - ROOF PLAN
1/16" = 1'-0"



Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
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(206) 590-2118
RAY SPEES
SDE SPEESDESIGNBUILD



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

Drawing Title
BLDG 55 - ROOF PLAN

Approved:

Phase
CONSTRUCTION
DOCUMENTS

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date 03/31/2022	Checked MGH	Drawn MM/OBJ/JCY
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Project Number
657-21-701JB
Building Number
55
Drawing Number
55M-110
117 OF 435

A

B

C

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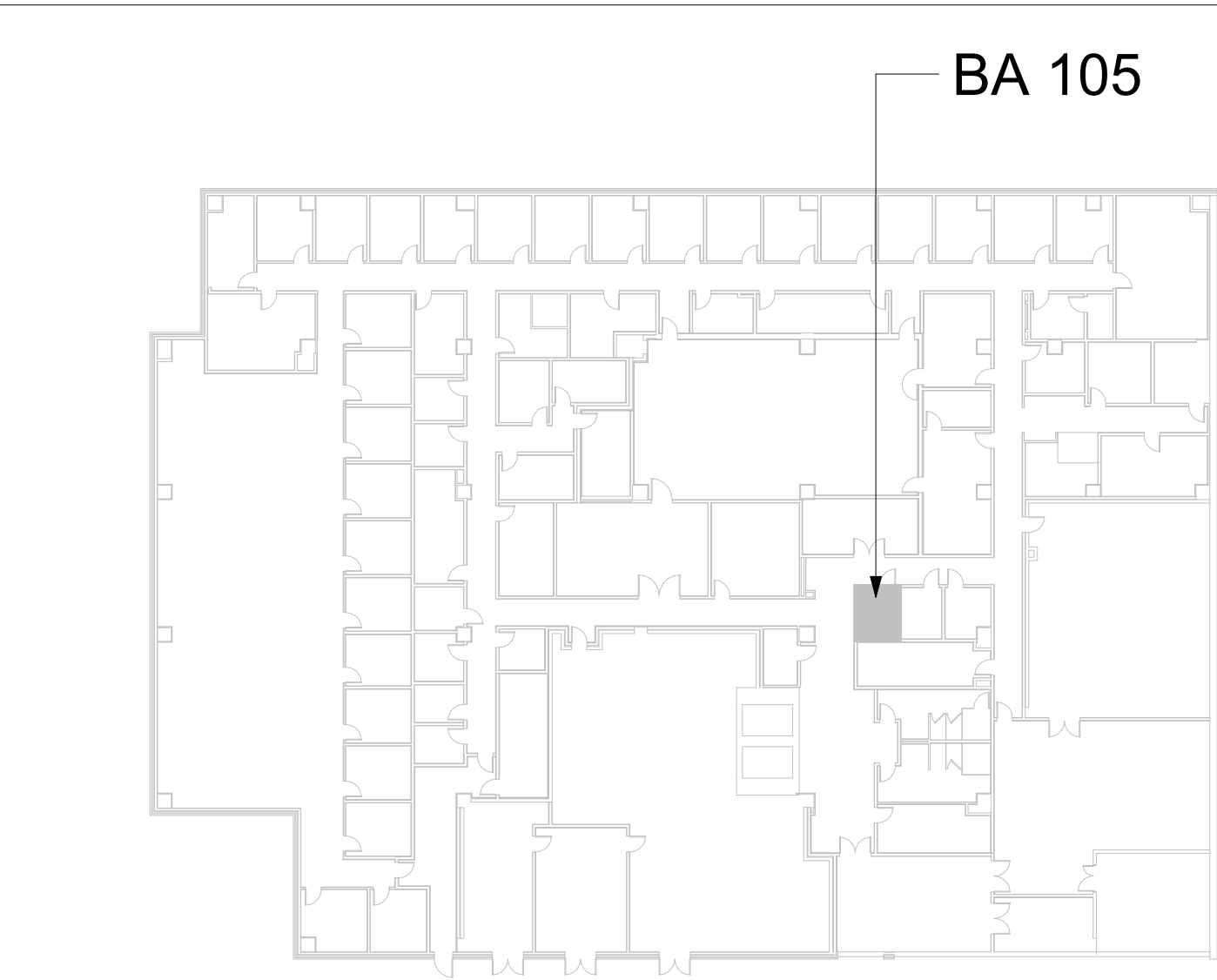
FIRE PROTECTION NOTES

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2. ROOMS THAT DON'T HAVE CEILINGS (EXPOSED TO STRUCTURE) SHALL HAVE THE BRANCH PIPING MODIFIED TO TURN THE SPRINKLER UPRIGHT. PROVIDE SPRINKLER PROTECTION CAGE.
3. ROOMS WITH FINISHED CEILINGS SHALL HAVE SPRINKLER LOCATIONS ADJUSTED AS NEEDED FOR APPROPRIATE COVERAGE PER LATEST EDITION OF NFPA 13.
4. TELECOM ROOMS CONSIDERED LIGHT HAZARD FOR SPRINKLER HEAD DENSITY.
5. SPRINKLER HEADS MUST BE REPLACED AT THE SAME TIME AS THE CEILING IS DEMOLISHED.

KEYNOTES #

1. DEMO SPRINKLER.
2. DEMO SUPPLY WALL GRILLE. CAP/SEAL DUCT AT WALL.
3. REMOVE WALL THERMOSTAT/SENSOR. PRESERVE FOR RELOCATION ON NEW WALL.
4. TEMPTRAK SENSOR TO REMAIN.
5. INSTALL NEW DUCTLESS SPLIT COOLING UNIT.
6. EXTEND NEW SPRINKLER LINE OFF EXISTING BRANCH LINE. INSTALL NEW STANDARD RESPONSE SPRINKLER IN UPRIGHT POSITION. PROVIDE CAGE GUARD.
7. INSTALL EXISTING THERMOSTAT/SENSOR. EXTEND WIRES FROM EXISTING LOCATION.
8. INSTALL NEW REFRIGERANT LINES (INDOOR UNIT TO OUTDOOR UNIT). PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT.
9. INSTALL NEW CONDENSATE LINE. PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT. PITCH THE CONDENSATE DRAIN LINE IN THE DIRECTION OF FLOW. PROVIDE CLEANOUTS AT EACH TURN IN THE DIRECTION OF FLOW.
10. REFER TO M-501 FOR INDIRECT DRAIN FOR SINK DETAIL.
11. REFER TO M-502 FOR PIPE THRU WALL DETAIL.
12. REFER TO M-502 FOR PIPE THRU FLOOR DETAIL.

KEY PLAN



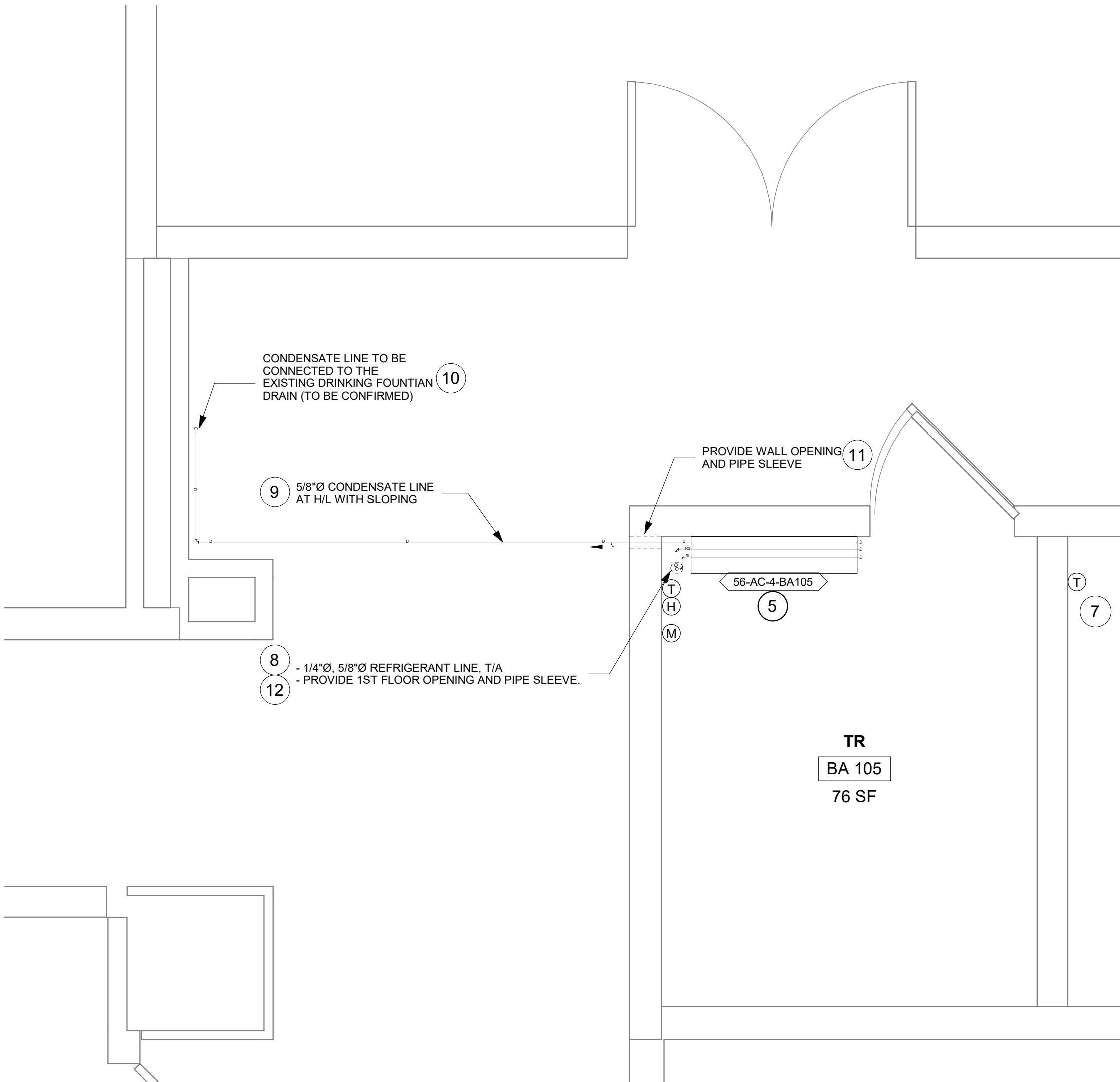
1 RM BA105 - DEMO FLOOR PLAN

1/2" = 1'-0"



2 RM BA105 - DEMO RCP

1/2" = 1'-0"



3 RM BA105 - FLOOR PLAN

1/2" = 1'-0"



4 RM BA105 - RCP

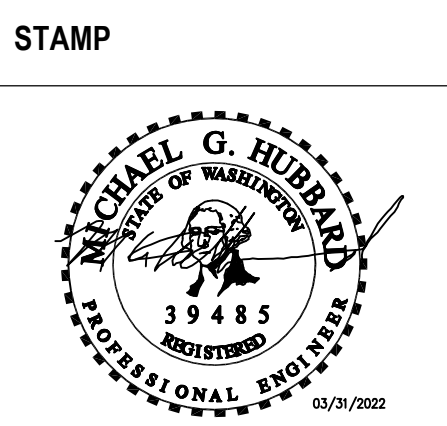
1/2" = 1'-0"



Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
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RAY SPEES



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

Drawing Title
BLDG 56 - FLOOR 0 - DEMO,
FLOOR PLANS & RCPS

Approved:

Phase
CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

Checked
MGH

Drawn
MM/OBJ/JCY

Project Number
657-21-701JB

Building Number
56

Drawing Number
56M-100

118 OF 435

1. VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE
 2. ABRICTION OR CONSTRUCTION.
 3. BE IN ACCORDANCE WITH APPLICABLE CODES, VA STANDARDS
 4. ONE.
 5. INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH
 6. RECOMMENDATIONS.
 7. INSTALLATION OF EQUIPMENT AND MATERIALS WITH OTHER TRADES.
 8. CONDENSATE PIPING OVER ELECTRICAL PANELS OR ELECTRONIC
 9. EQUIPMENT.
 10. ALL COORDINATE WITH GENERAL CONTRACTOR AND OWNER
 11. FINISHING OF WALLS AND ROOF.
 12. ALL WALL PENETRATIONS CANNOT BE FIRE STOPPED AT THE END
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VA FORM 08 - 6231									
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A

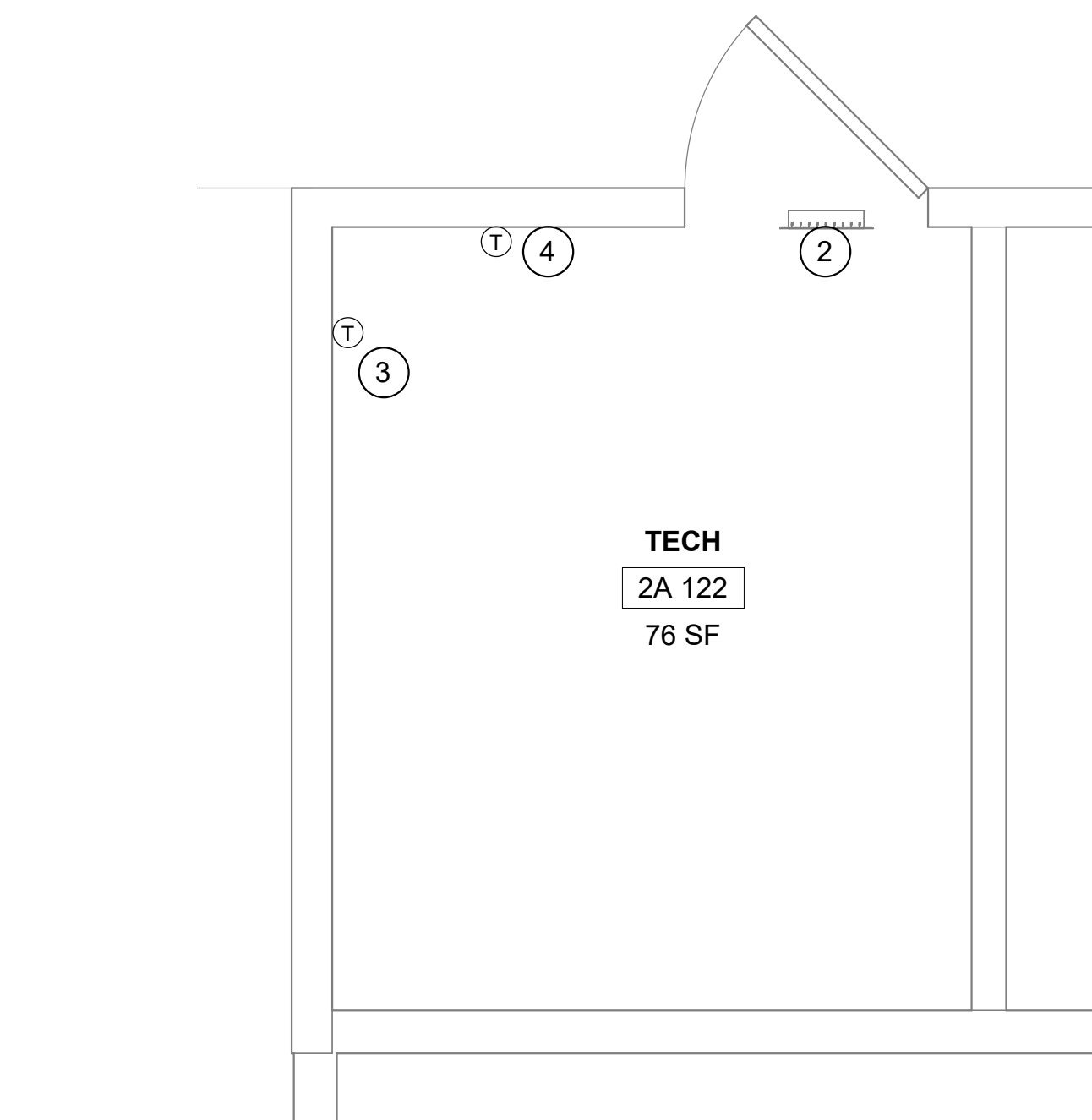
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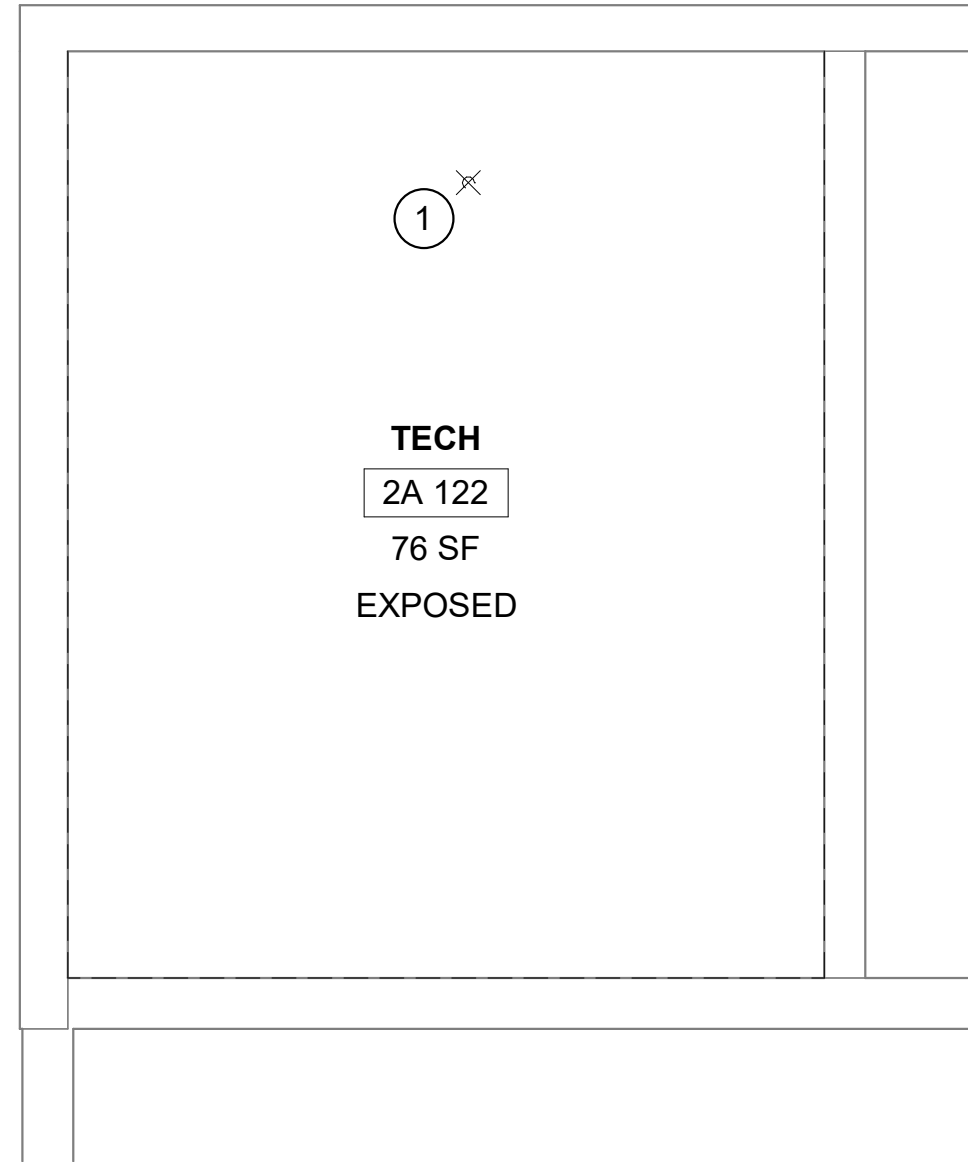
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1

RM 2A122 - DEMO FLOOR PLAN

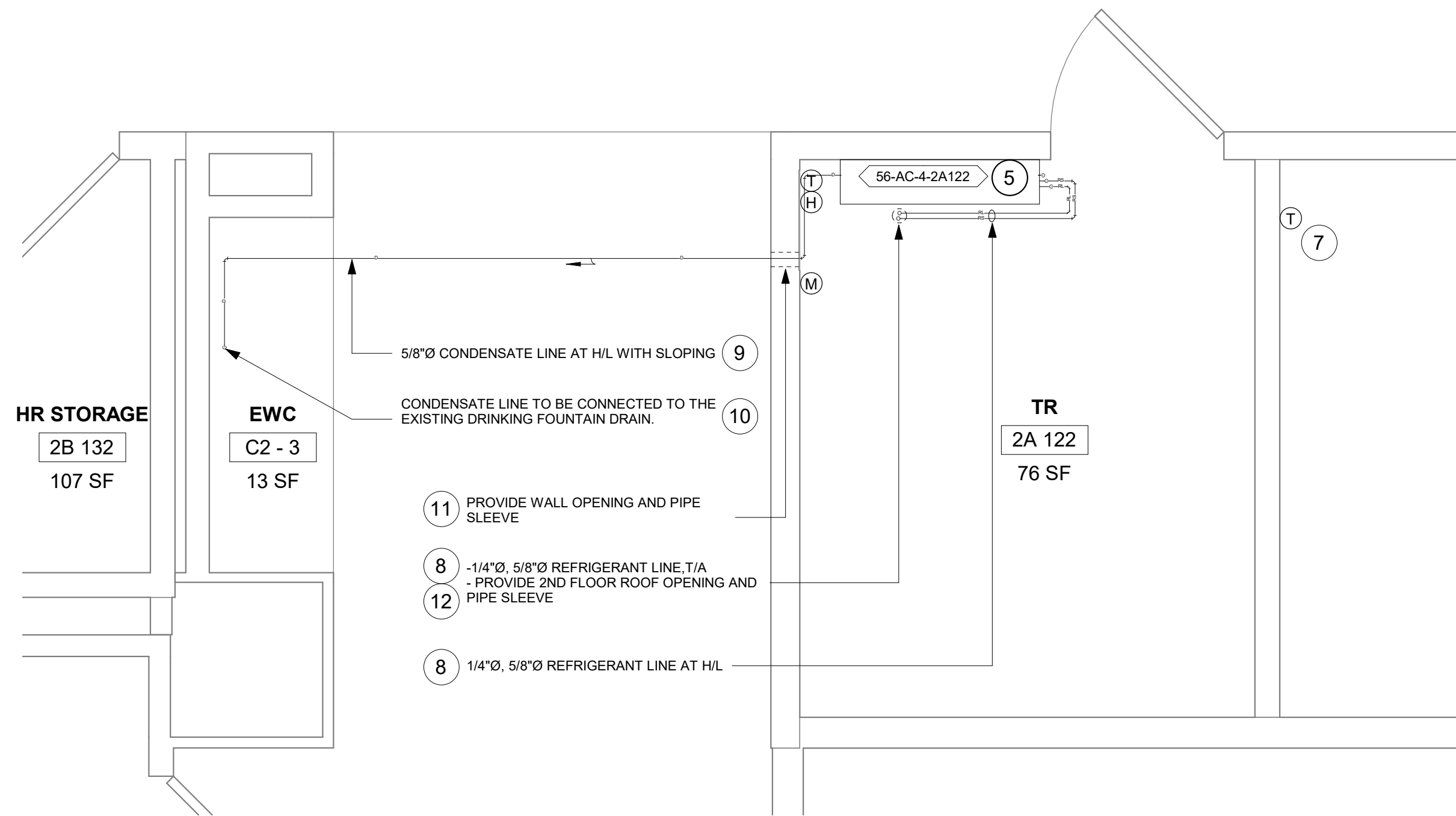
1/2" = 1'-0"



2

RM 2A122 - DEMO RCP

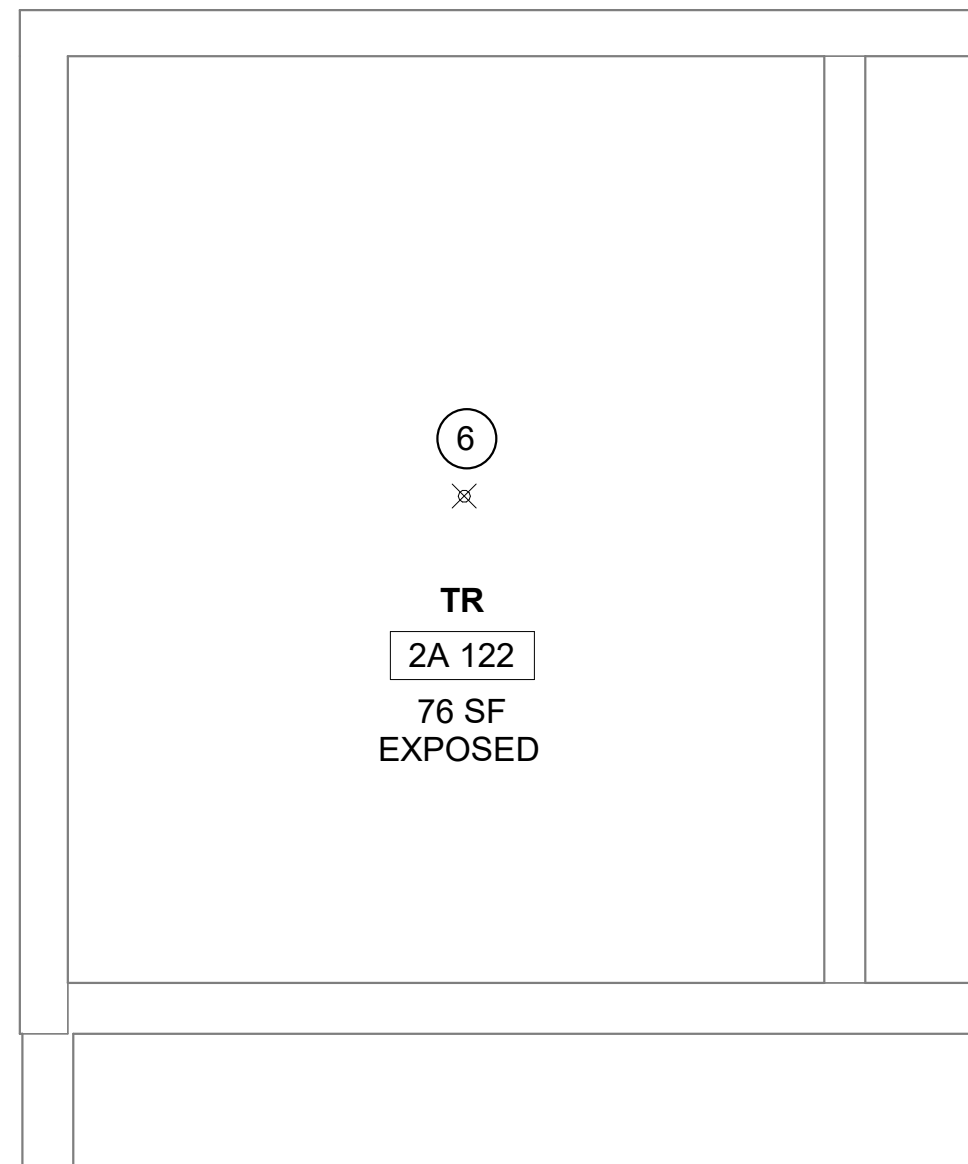
1/2" = 1'-0"



3

RM 2A122 - FLOOR PLAN

1/2" = 1'-0"



4

RM 2A122 - RCP

1/2" = 1'-0"

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- IF FLOOR OR RATED WALL PENETRATIONS CANNOT BE FIRE STOPPED AT THE END OF THE WORK SHIFT, TEMPORARY FIRESTOPPING COMPOSED OF MINERAL WOOL SHALL BE INSTALLED IN THE PENETRATION TO PROVIDE PROTECTION AGAINST FIRE/SMOKE SPREAD THROUGH THE UNSEALED PENETRATION.

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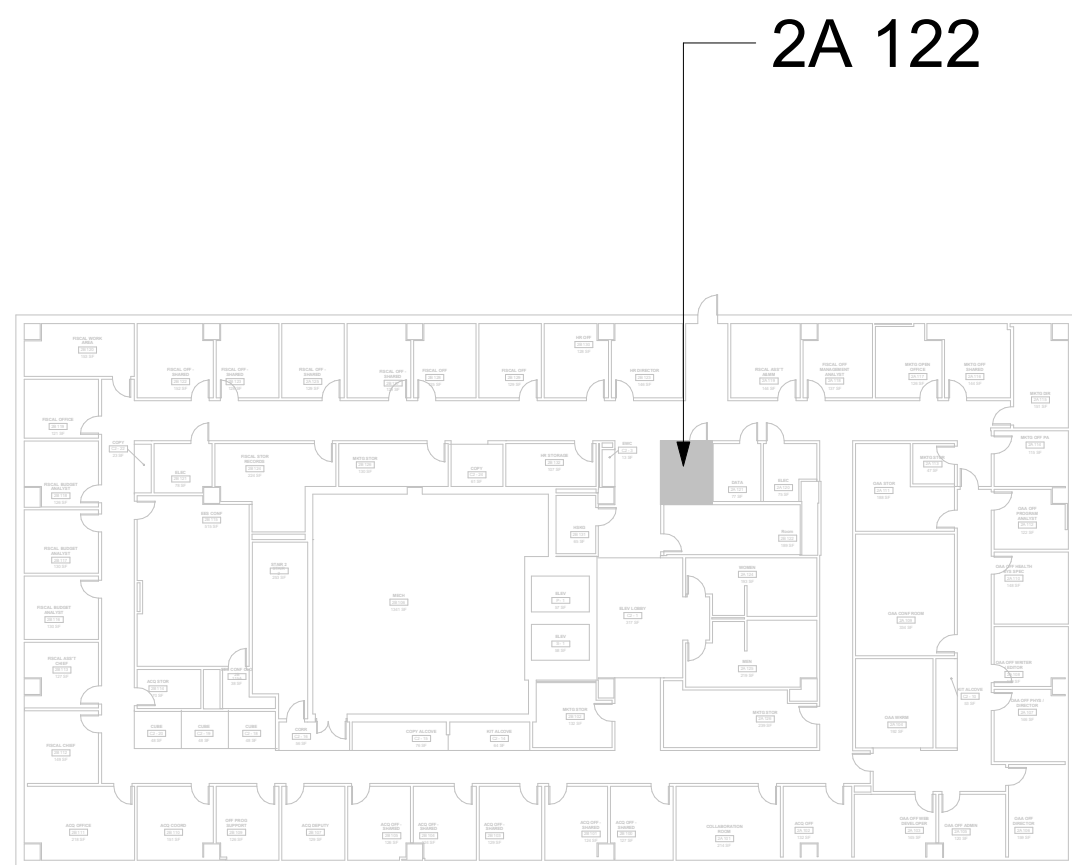
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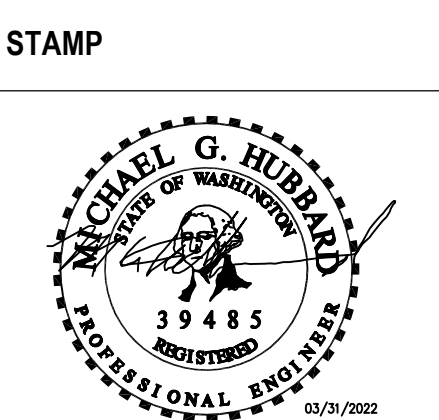
KEY PLAN



Revisions:	Date:

CONSULTANT
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ARCHITECT/ENGINEER OF RECORD
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RAY SPEES



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

Drawing Title
BLDG 56 - FLOOR 02 - DEMO,
FLOOR PLANS & RCPS

Approved:

Phase
CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

Checked
MGH

Drawn
MM/OBJ/JJC

Project Number
657-21-701JB
Building Number
56
Drawing Number
56M-102
120 OF 435

VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE
BRICKLAYER OR CONSTRUCTION.

IN ACCORDANCE WITH APPLICABLE CODES, VA STANDARDS
AND:

INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH
RECOMMENDATIONS.

INSTALLATION OF EQUIPMENT AND MATERIALS WITH OTHER TRADES.
CONDENSE PIPING OVER ELECTRICAL PANELS OR ELECTRONIC
EQUIPMENT.

COORDINATE WITH GENERAL CONTRACTOR AND OWNER
FOR WALLS AND ROOF.

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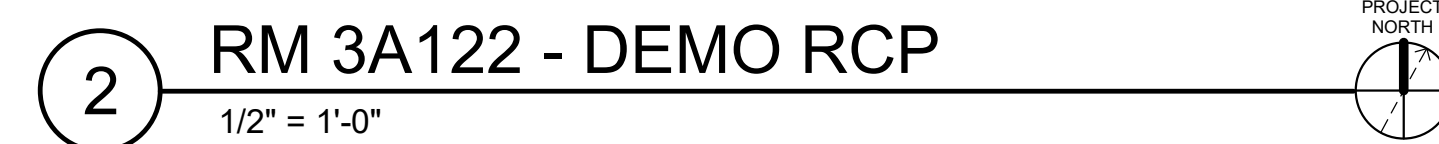
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13. REFER TO M-501 FOR LINESET FLASHING DETAIL.

3A122

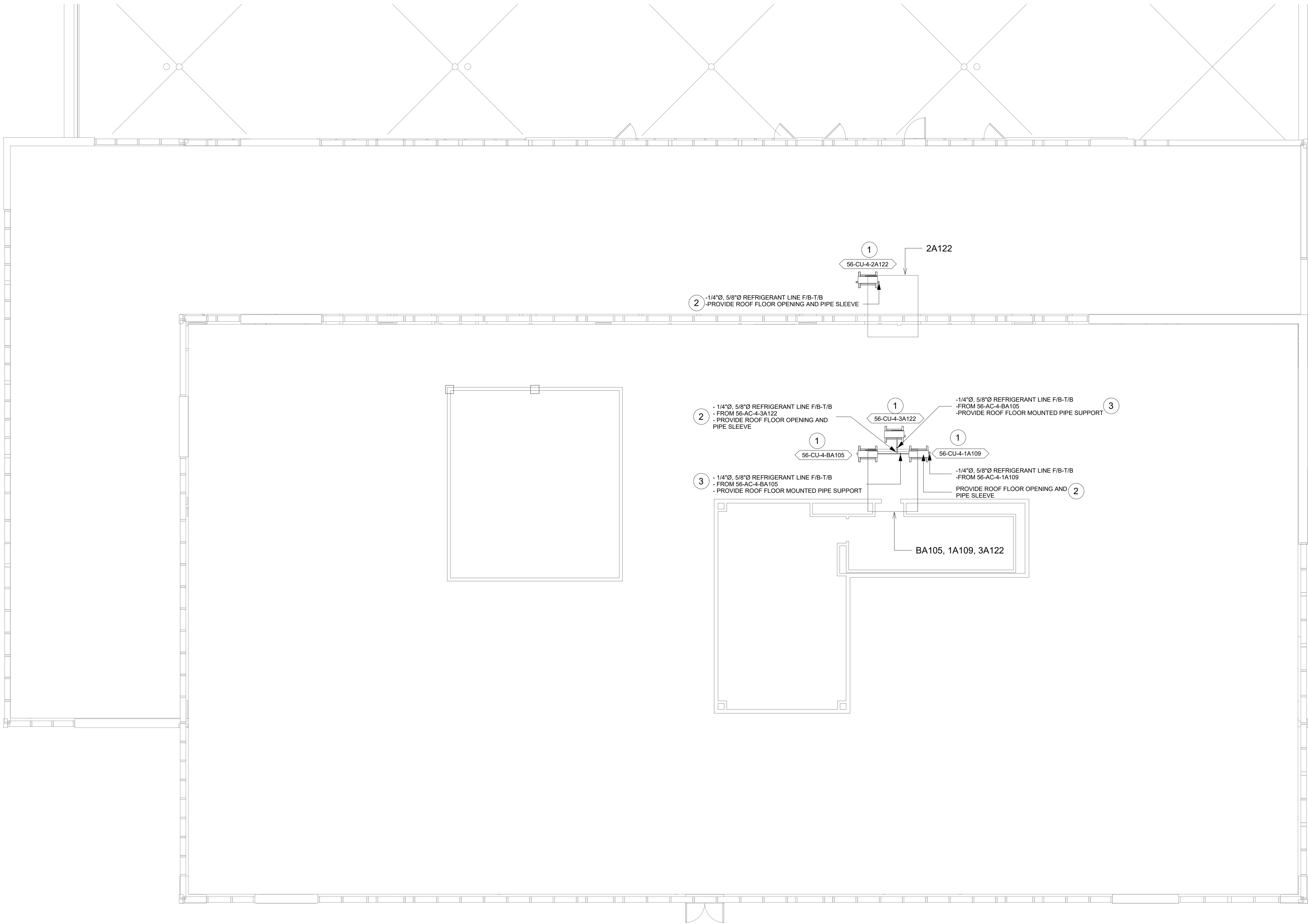
The floor plan shows a large rectangular area with a central open space and several smaller rooms. A callout line points from the label '3A122' to a specific room in the upper right section of the plan.



VA FORM 08 - 6231									
1	2	3	4	5	6	7	8	9	10

KEYNOTES #

1. REFER TO M-501 FOR CONDENSING UNIT ROOF MOUNT SUPPORT DETAIL.
2. REFER TO M-501 FOR LINESET FLASHING DETAIL.
3. REFER TO M-502 FOR PIPE ROOF MOUNTING DETAIL.



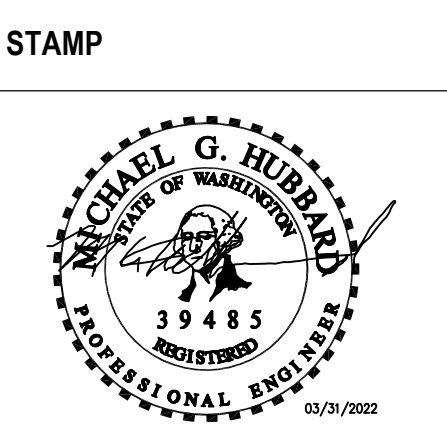
1 ROOF PLAN
1/8" = 1'-0"



Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
SPEES DESIGN BUILD
625 1ST AVE, STE 301
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SDE SPEESDESIGNBUILD



Office of
Construction
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Management
VA U.S. Department
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Drawing Title
BLDG 56 - ROOF PLAN

Approved:

Phase
CONSTRUCTION
DOCUMENTS

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

Checked
MGH

Drawn
MM/OBJ/JCY

Project Number
657-21-701JB
Building Number
56
Drawing Number
56M-110
122 OF 435

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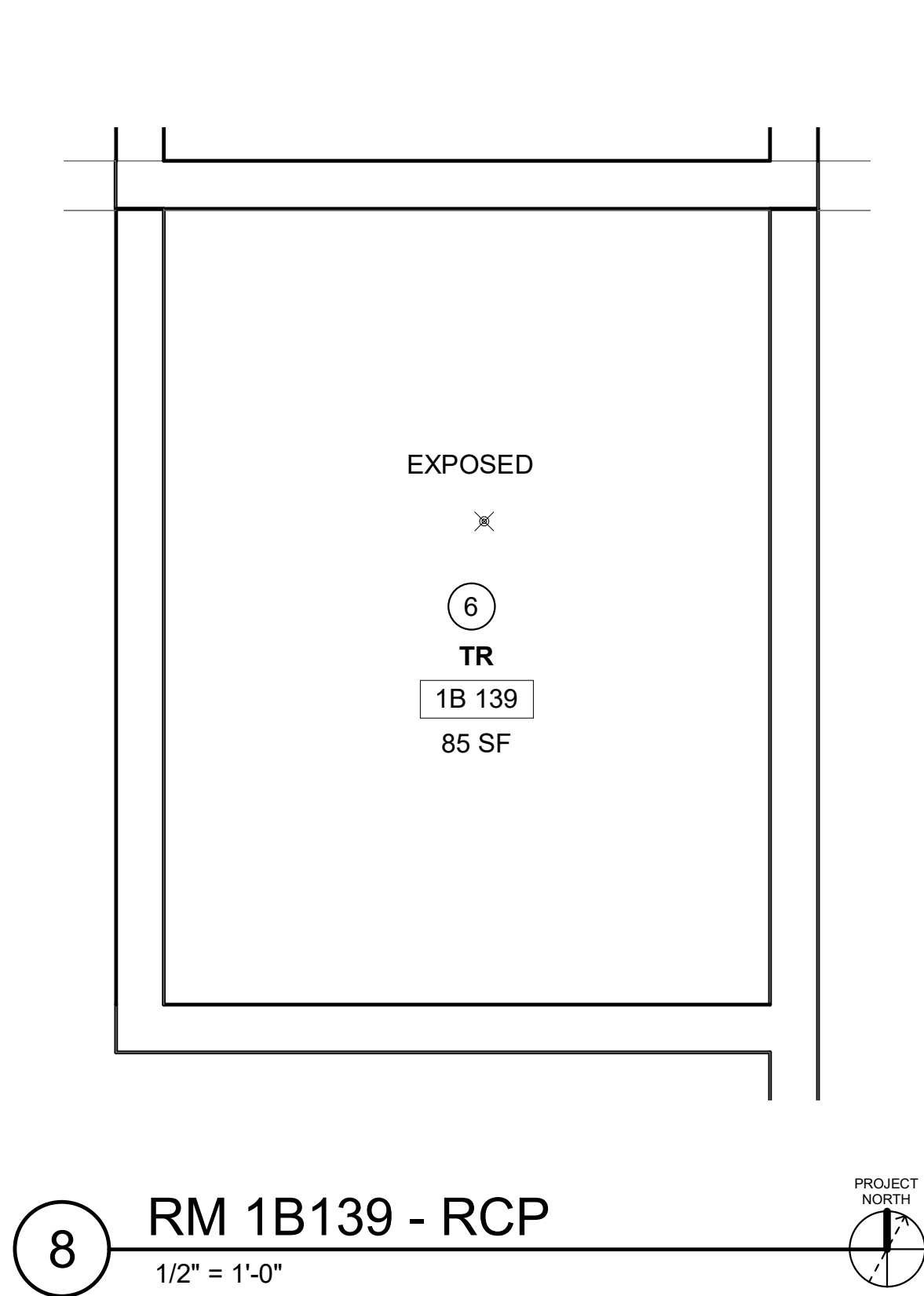
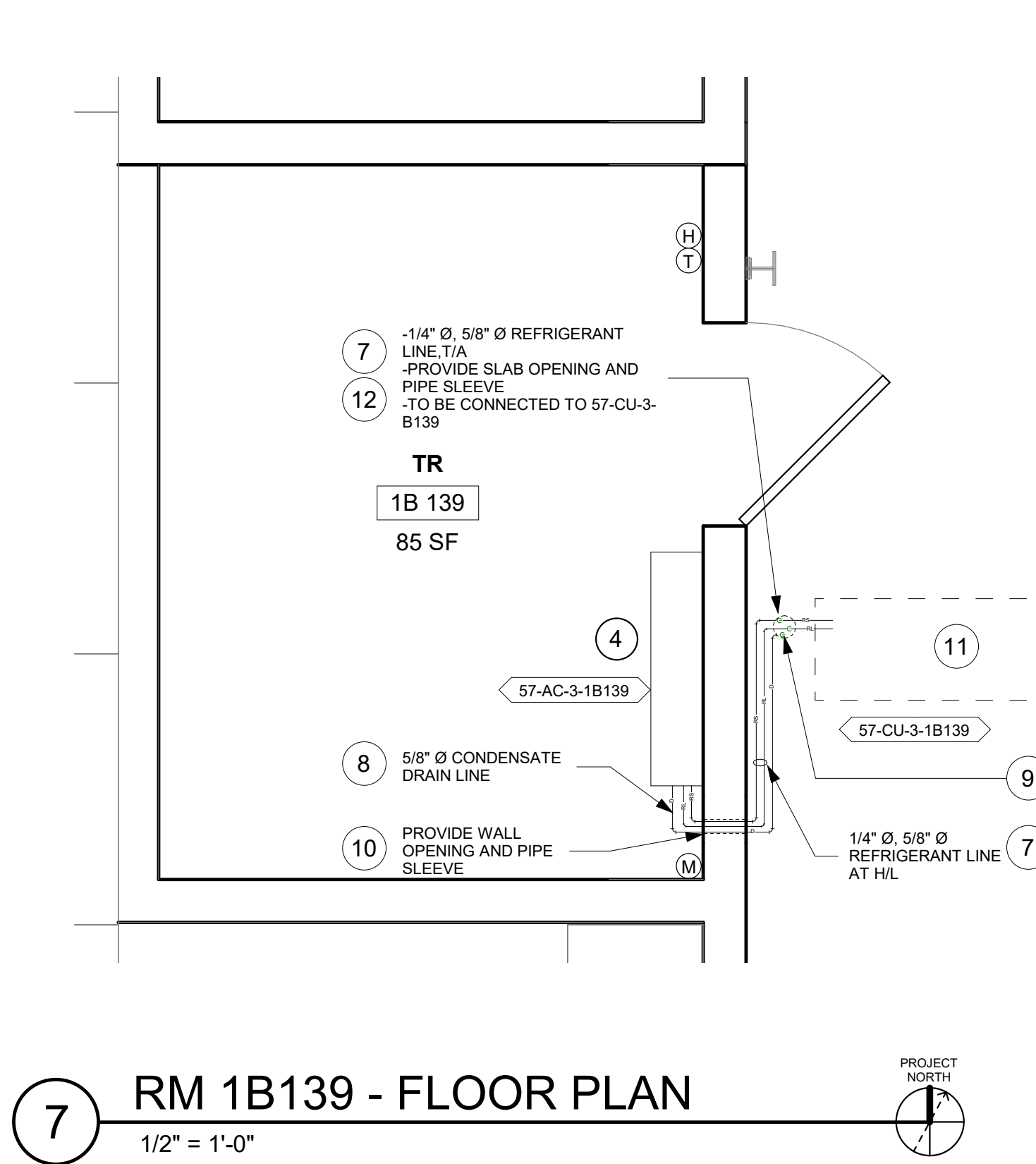
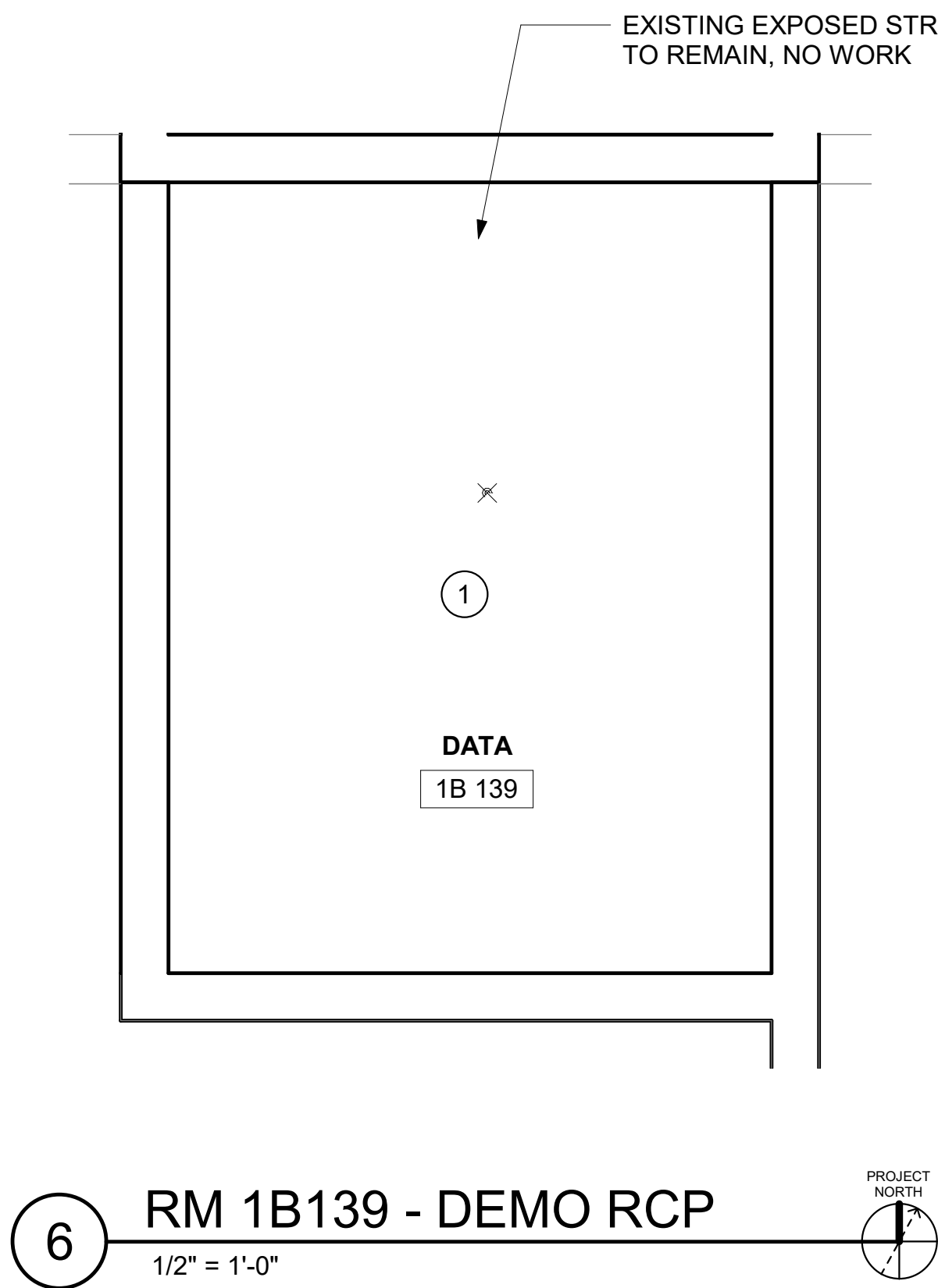
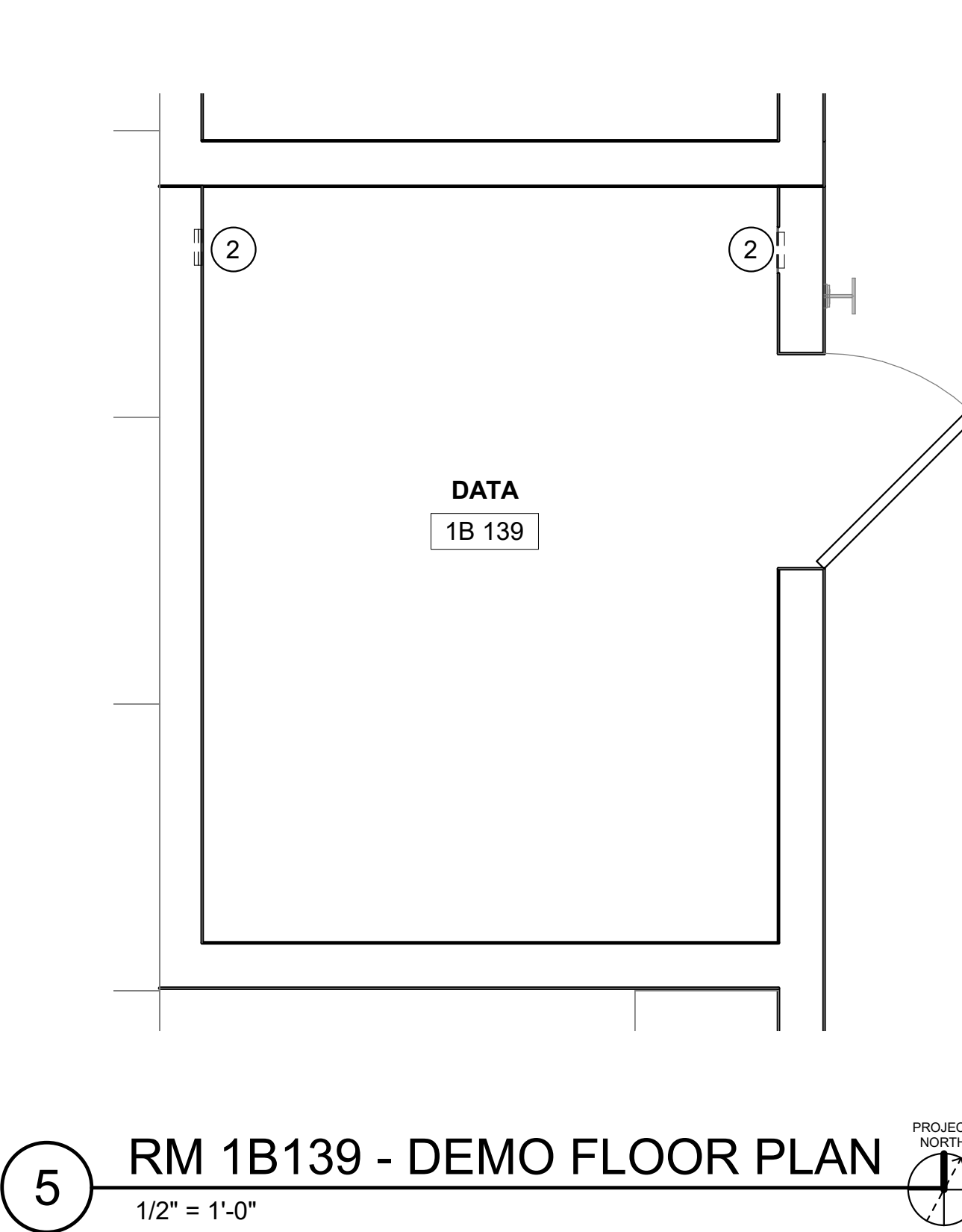
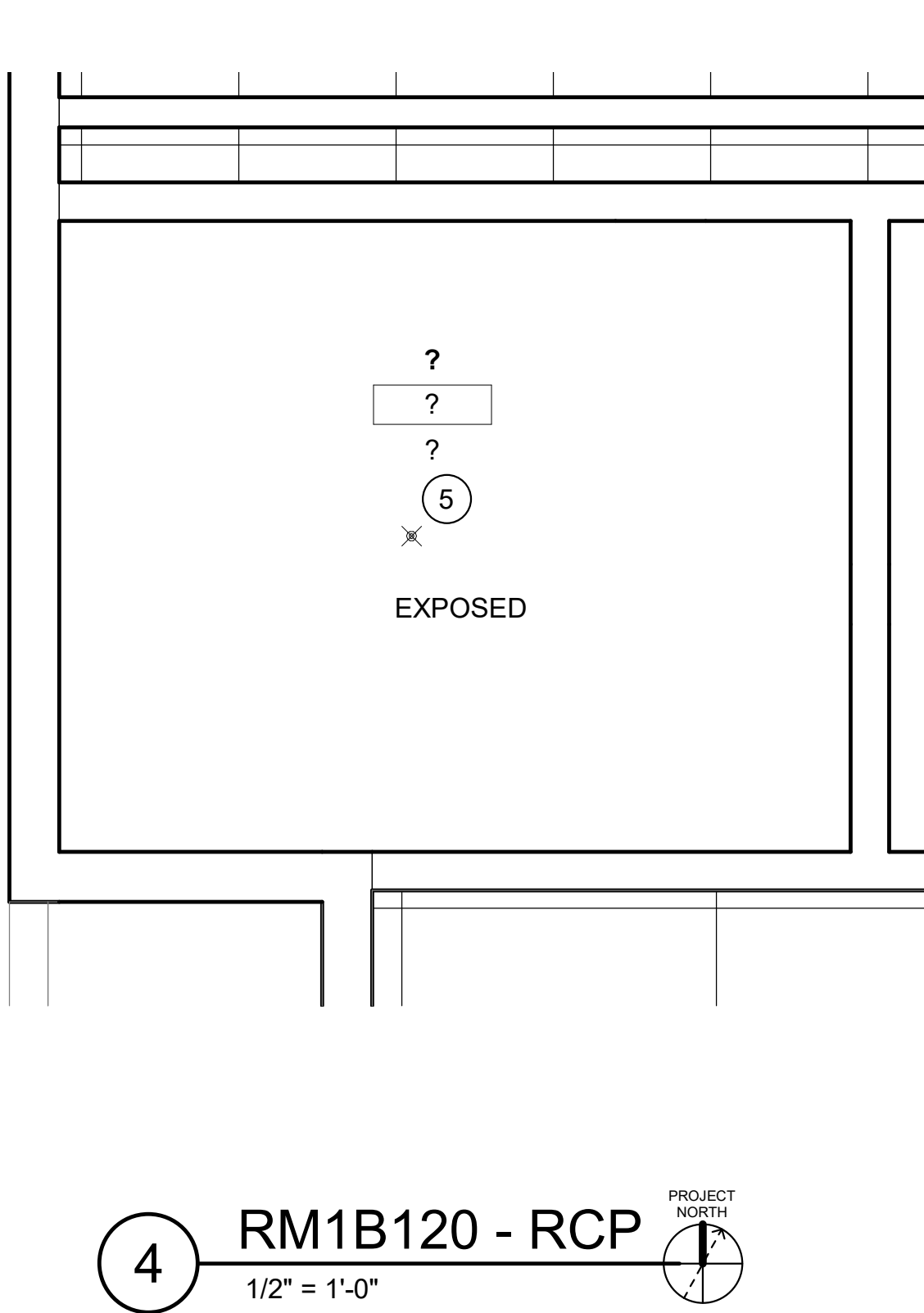
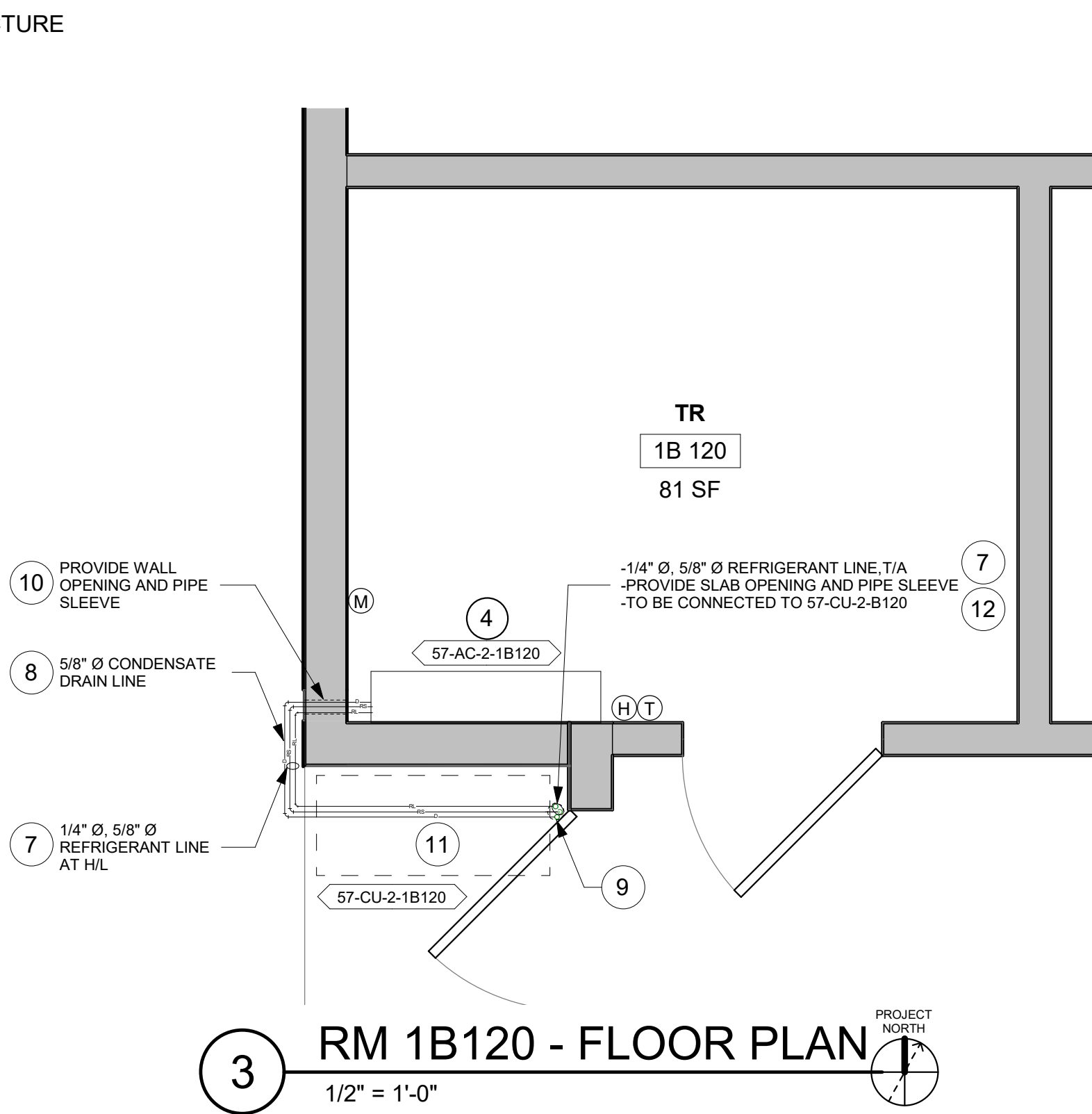
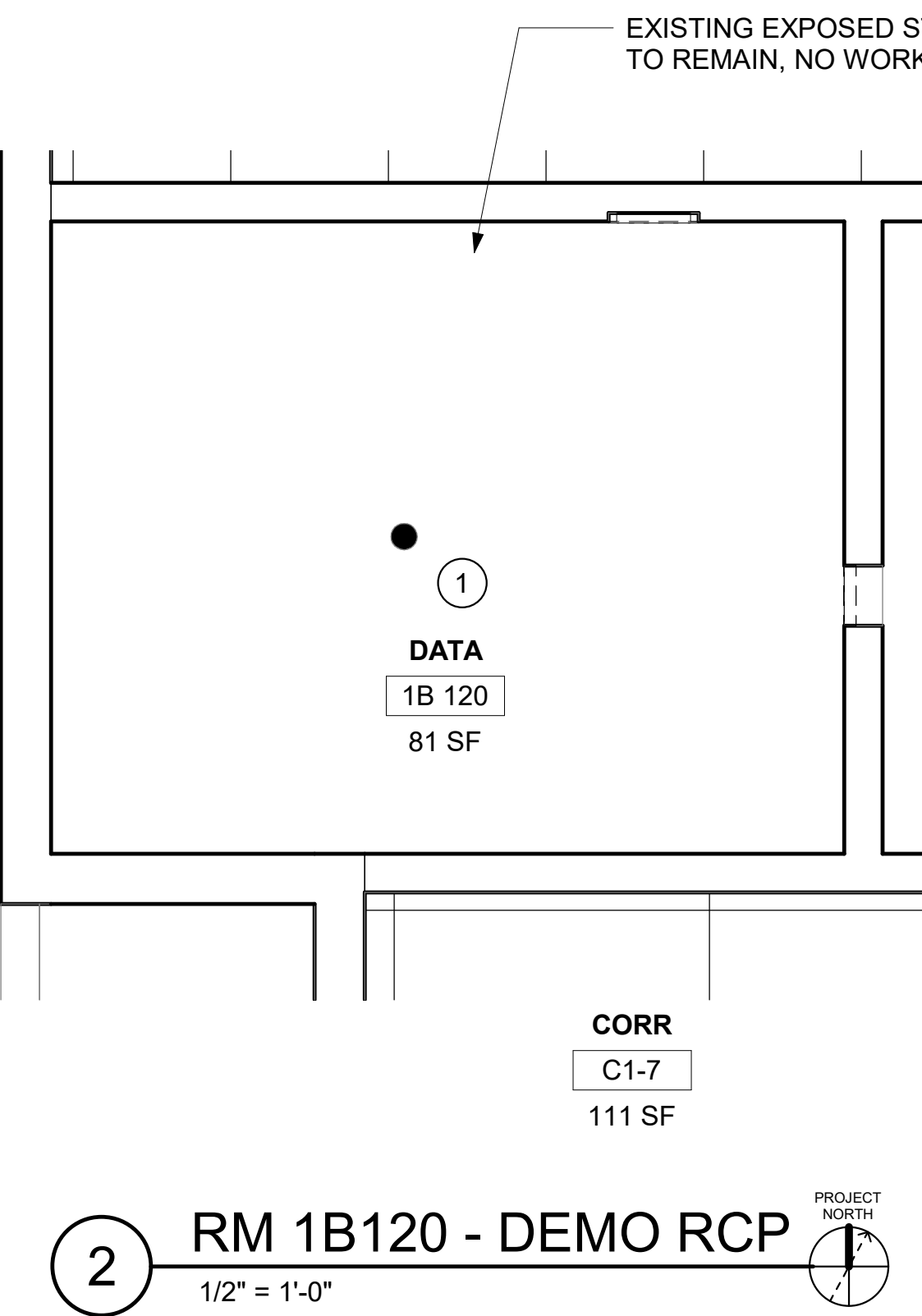
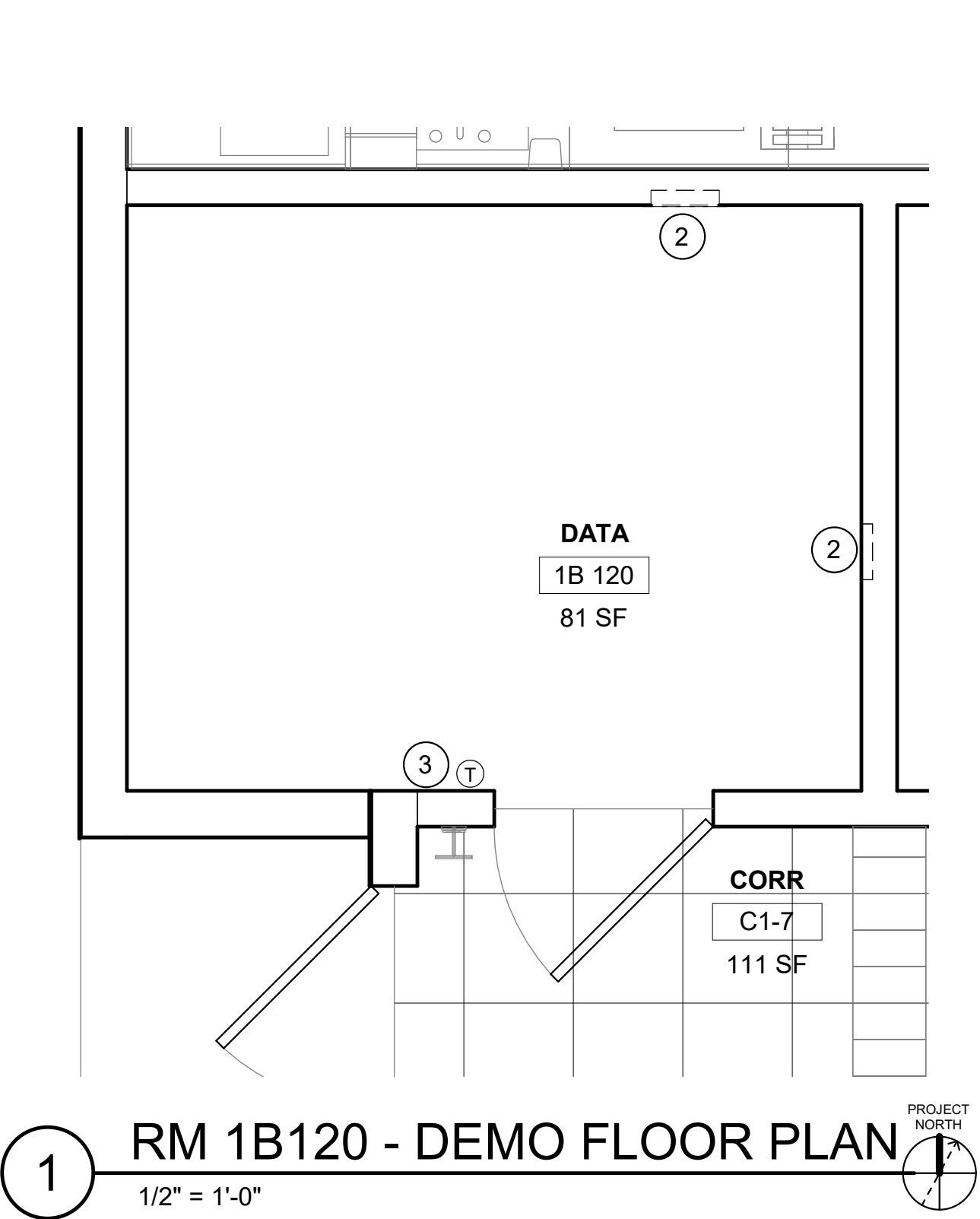
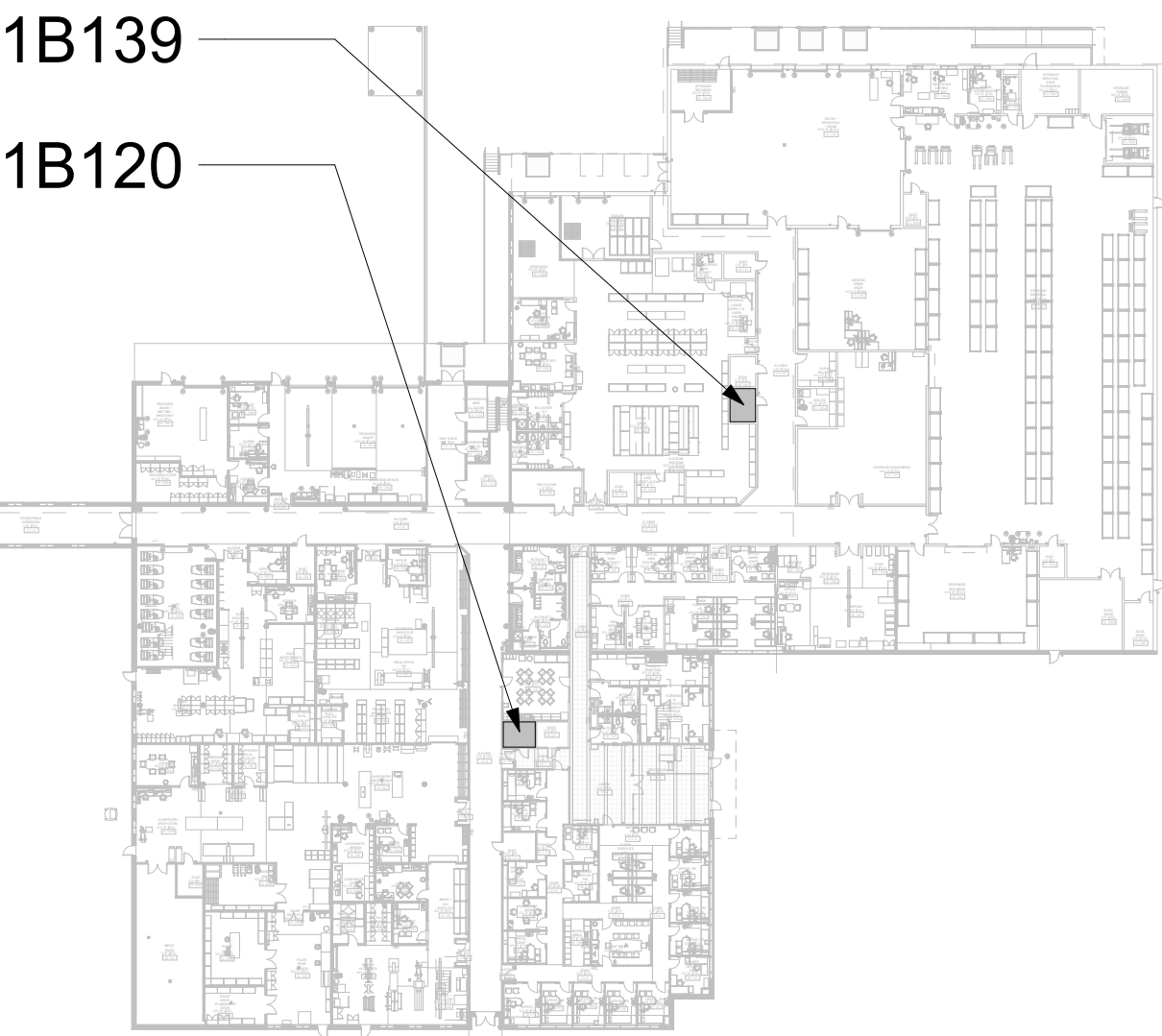
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2. ROOMS THAT DON'T HAVE CEILINGS (EXPOSED TO STRUCTURE) SHALL HAVE THE BRANCH PIPING MODIFIED TO TURN THE SPRINKLER UPRIGHT. PROVIDE SPRINKLER PROTECTION CAGE.
3. ROOMS WITH FINISHED CEILINGS SHALL HAVE SPRINKLER LOCATIONS ADJUSTED AS NEEDED FOR APPROPRIATE COVERAGE PER LATEST EDITION OF NFPA 13.
4. TELECOM ROOMS CONSIDERED LIGHT HAZARD FOR SPRINKLER HEAD DENSITY. SPRINKLER HEADS MUST BE REPLACED AT THE SAME TIME AS THE CEILING IS DEMOLISHED.

KEYNOTES #

1. DEMO SPRINKLER.
2. DEMO SUPPLY AND RETURN WALL GRILLES. CAP/SEAL DUCT AT WALL.
3. TEMPTRAK SENSOR TO REMAIN.
4. INSTALL NEW DUCTLESS SPLIT COOLING UNIT.
5. INSTALL NEW STANDARD RESPONSE SPRINKLER IN SAME LOCATION.
6. INSTALL NEW STANDARD RESPONSE SPRINKLER IN UPRIGHT POSITION. PROVIDE CAGE GUARD.
7. INSTALL NEW REFRIGERANT LINES (INDOOR UNIT TO OUTDOOR UNIT). PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT.
8. INSTALL NEW CONDENSATE LINE. PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT. PROVIDE CLEANOUTS AT EACH TURN IN THE DIRECTION OF FLOW.
9. ROUTE CONDENSATE PIPING WITH REFRIGERANT PIPING TO ROOF. TERMINATE CONDENSATE TO DISCHARGE ON THE ROOF.
10. REFER TO M-502 FOR PIPE THRU WALL DETAIL.
11. REFER TO M-501 FOR CONDENSING UNIT ROOF MOUNT SUPPORT DETAIL.
12. REFER TO M-501 FOR LINESET FLASHING DETAIL.

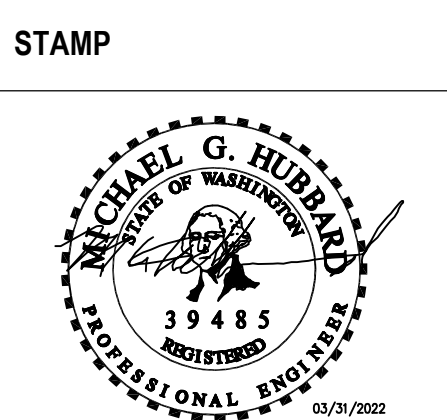
KEY PLAN



Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
SPEES DESIGN BUILD
625 1ST AVE, STE 301
SEATTLE, WA 98104
(206) 590-2118
RAY SPEES



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

Drawing Title
BLDG 57 - FLOOR 01 - DEMO,
FLOOR PLANS & RCPS

Approved:

Phase
CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

Checked
MGH

Drawn
MM/OBJ/JCY

Project Number
657-21-701JB
Building Number
57
Drawing Number
57M-101
123 OF 435

GENERAL NOTES

1. CONTRACTOR MUST VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE BEGINNING ANY FABRICATION OR CONSTRUCTION.
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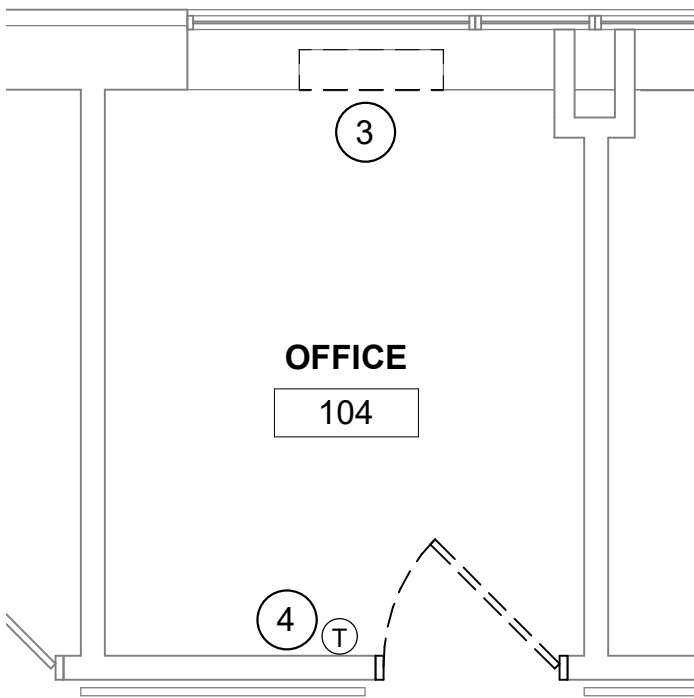
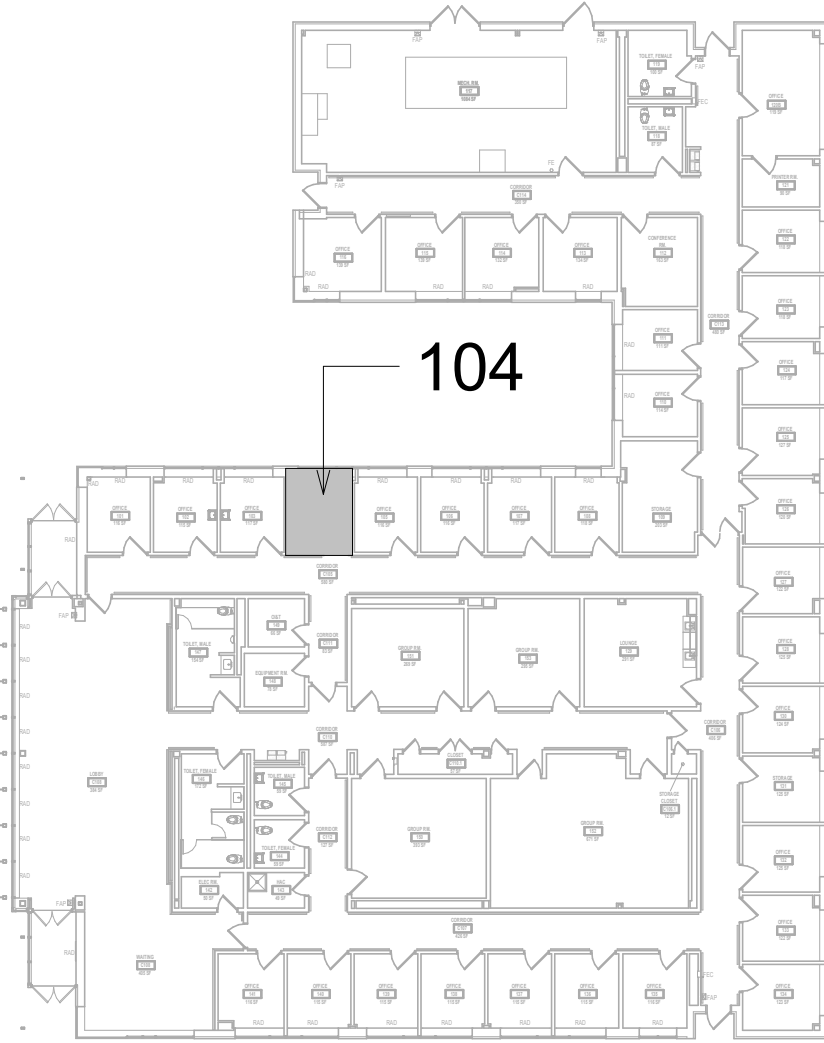
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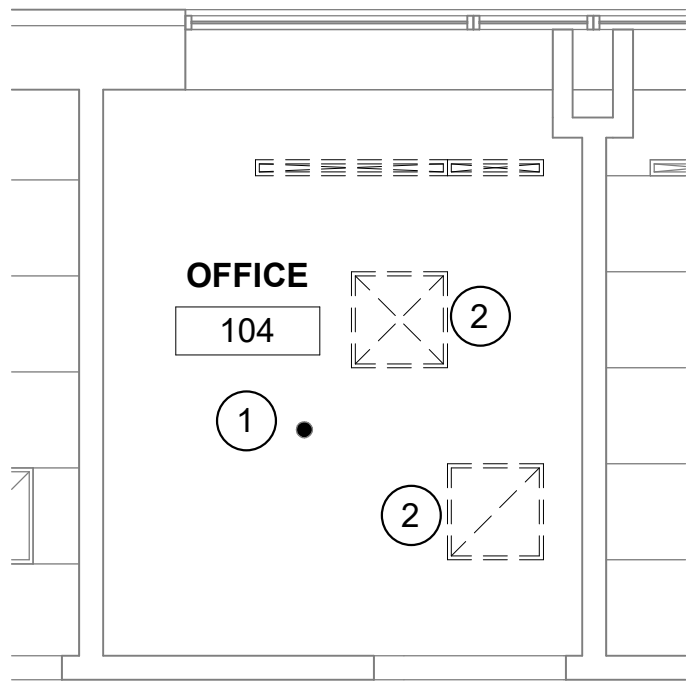
KEYNOTES #

1. REMOVE EXISTING SPRINKLER.
2. DEMO CEILING SUPPLY AND RETURN GRILLES AND DUCTWORK BACK TO TERMINAL UNIT.
3. DEMO HEATING CONVECTOR UNDER WINDOW. DEMO PIPING AND CAP BACK TO MAIN.
4. DEMO WALL TEMPERATURE SENSOR.
5. INSTALL NEW DUCTLESS SPLIT COOLING UNIT.
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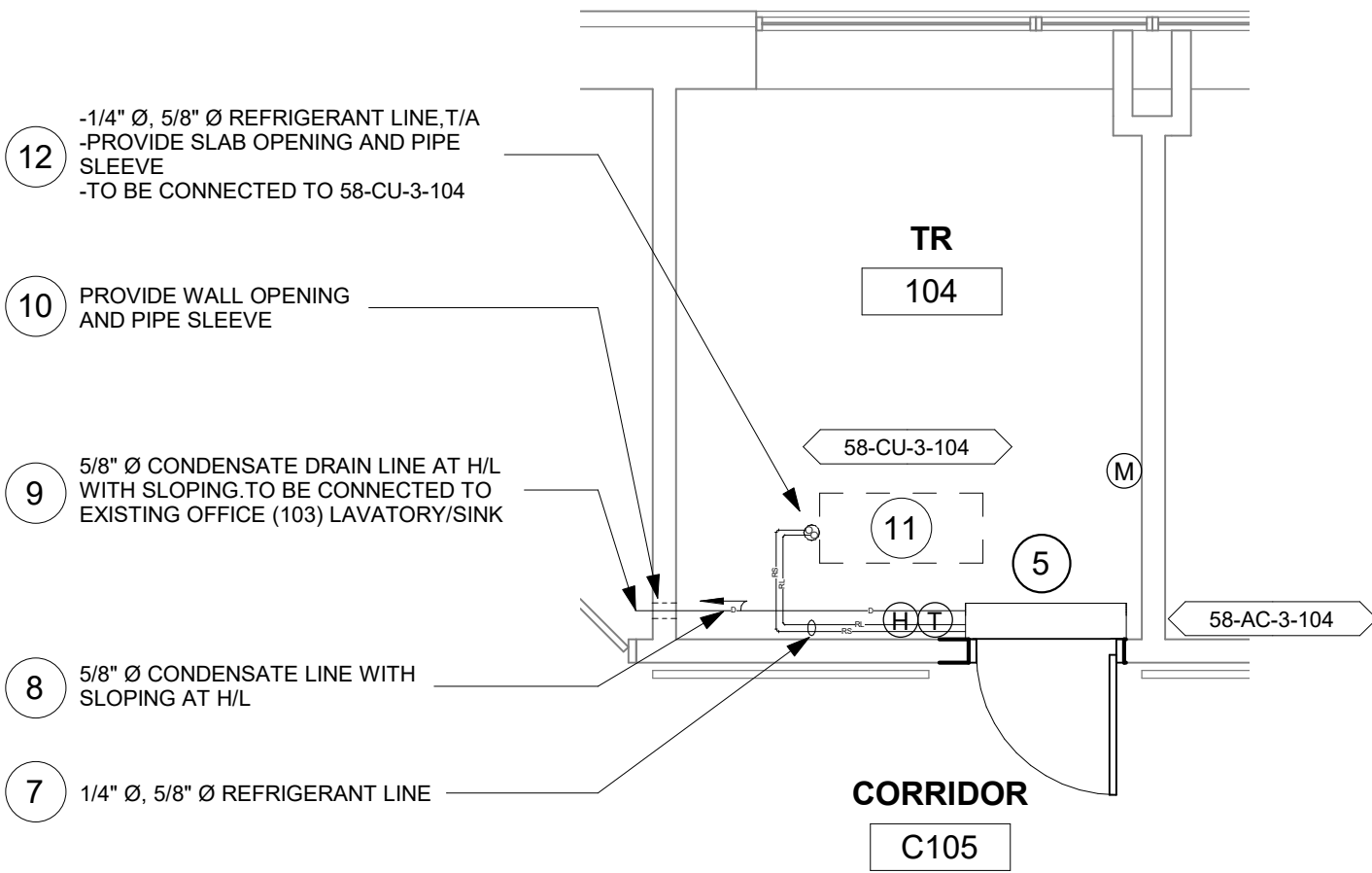
KEY PLAN



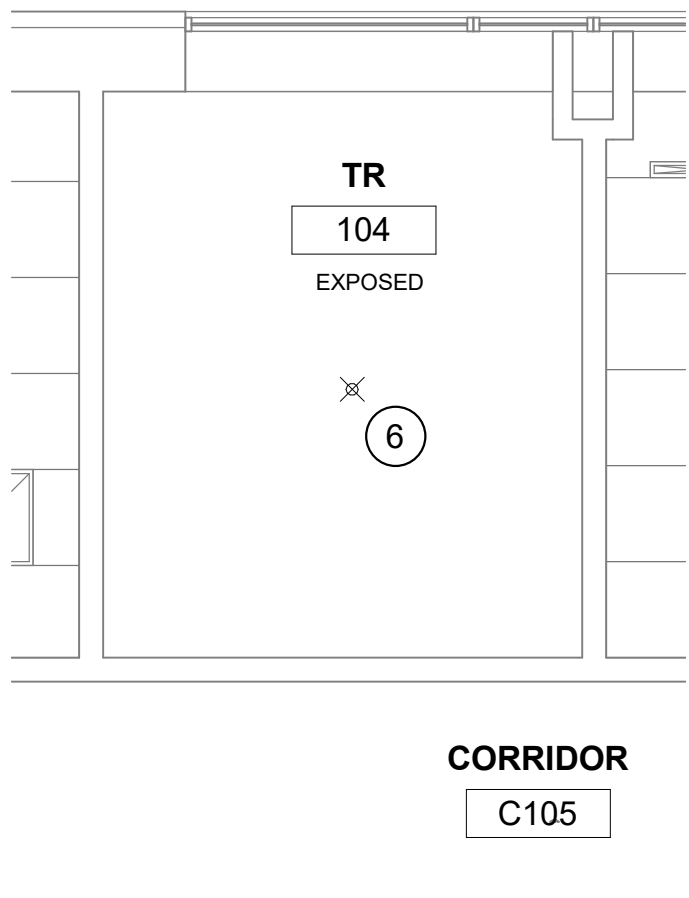
1 RM 104 - DEMO FLOOR PLAN
1/4" = 1'-0"



2 RM 104 - DEMO RCP
1/4" = 1'-0"



3 RM 104 - FLOOR PLAN
1/4" = 1'-0"



4 RM 104 - RCP
1/4" = 1'-0"

		CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
		ENGINEERING DISCIPLINE:	A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES		VA	BLDG 58 - FLOOR 01 - DEMO, FLOOR PLANS & RCPS	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
						Approved:	FULLY SPRINKLERED	Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	Building Number 58
								Issue Date 03/31/2022	Drawing Number 58M-101
								Checked MGH	124 OF 435
								Drawn MM/OBJ/JCY	
		Revisions:	Date:						

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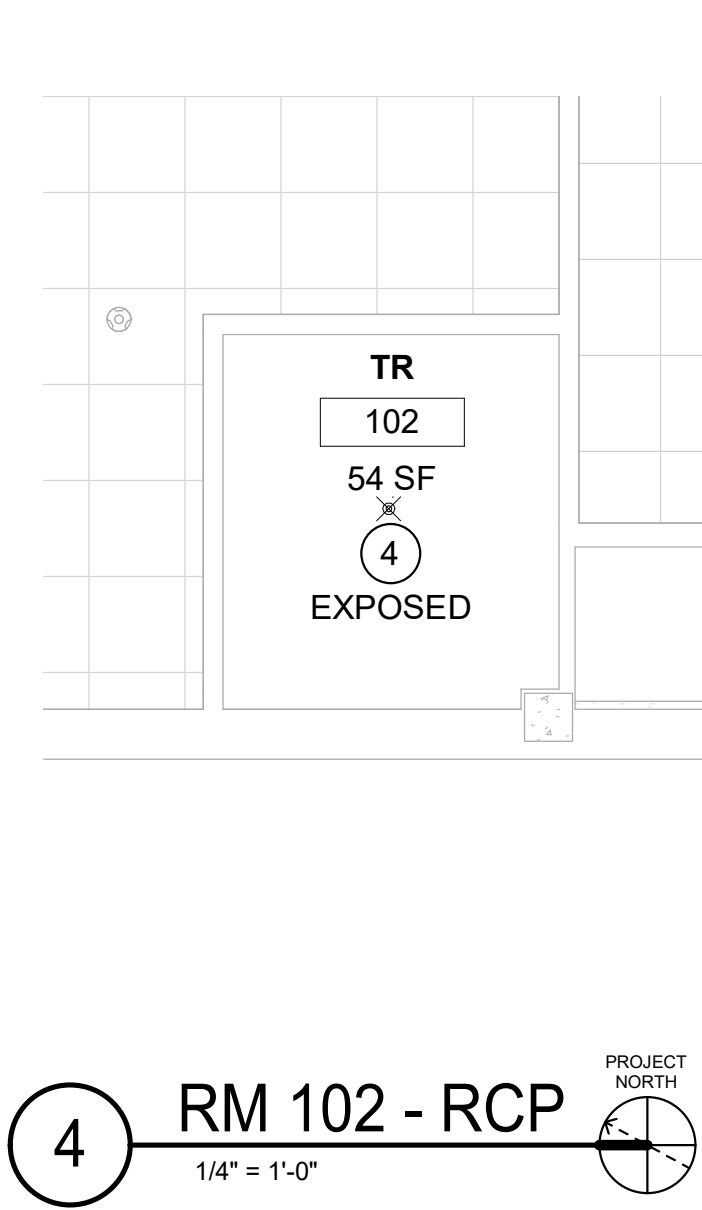
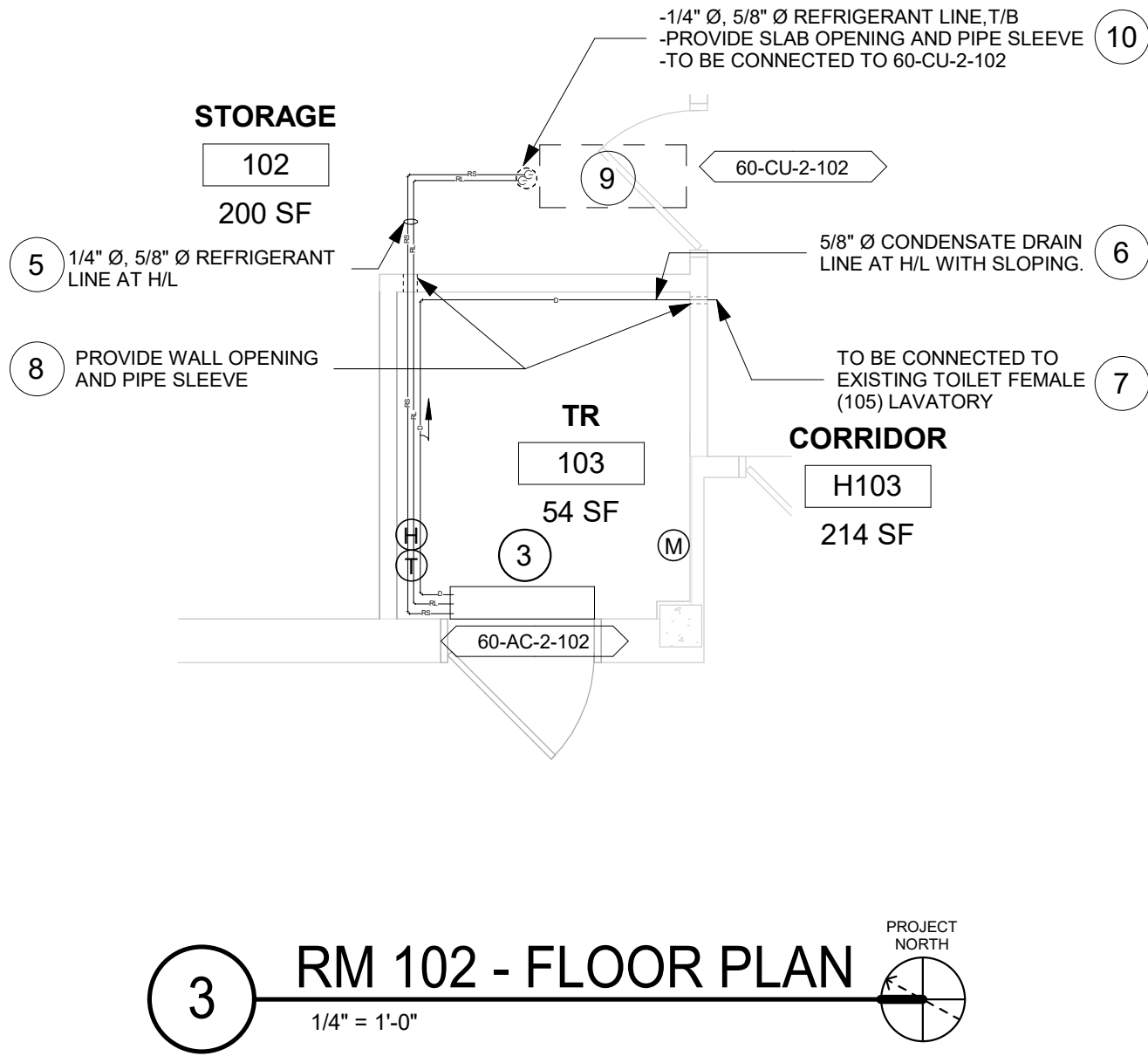
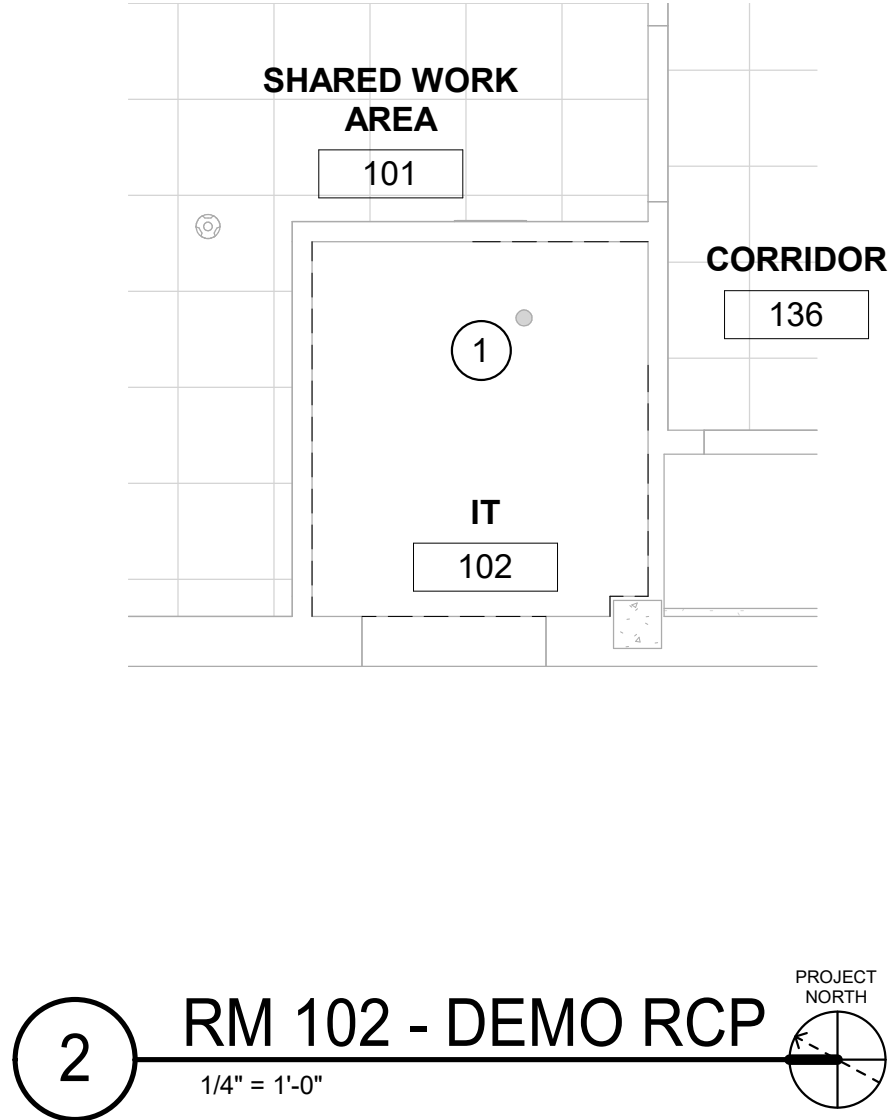
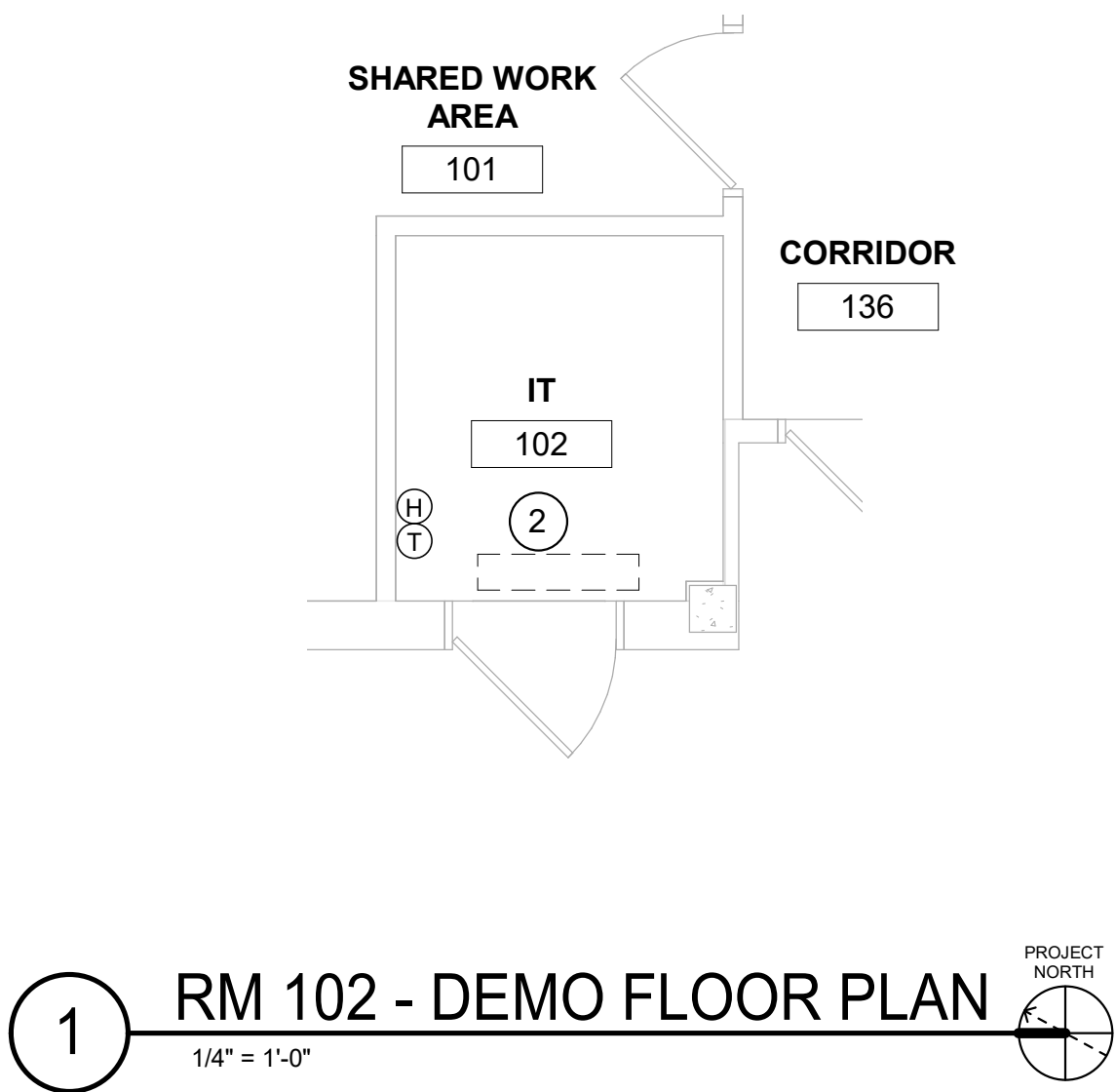
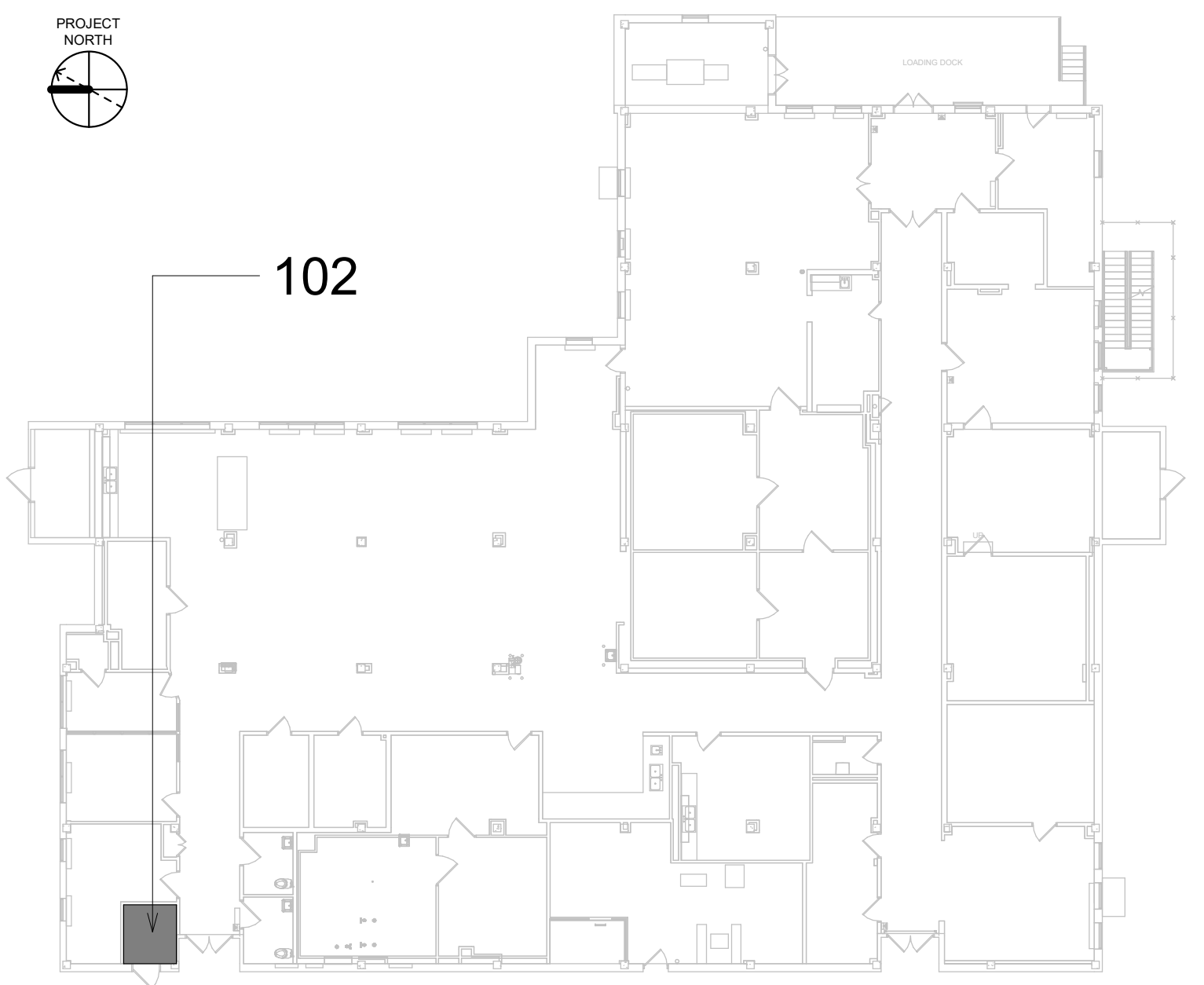
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5. SPRINKLER HEADS MUST BE REPLACED AT THE SAME TIME AS THE CEILING IS DEMOLISHED.

KEYNOTES #

1. REMOVE EXISTING SPRINKLER.
2. DEMO EXISTING DUCTLESS SPLIT SYSTEM, TURN OVER TO COR. DEMO REFRIGERANT AND CONDENSATE LINES.
3. INSTALL NEW DUCTLESS SPLIT SYSTEM IN SAME LOCATION.
4. EXTEND NEW SPRINKLER LINE OFF EXISTING BRANCH LINE. INSTALL NEW STANDARD RESPONSE SPRINKLER IN UPRIGHT POSITION. PROVIDE CAGE GUARD.
5. INSTALL NEW REFRIGERANT LINES (INDOOR UNIT TO OUTDOOR UNIT. PROVIDE PIPE INSULATION. PROVIDE PIPE SUPPORT. PIPE ROUTING TO COORDINATE WITH CIVIL/STRUCTURAL AND OTHER SERVICES.
6. INSTALL NEW CONDENSATE DRAIN LINE. PROVIDE PIPE INSULATION AND PIPE SUPPORT. PIPE ROUTING TO COORDINATE WITH CIVIL/STRUCTURAL AND OTHER SERVICES. PITCH THE CONDENSATE DRAIN LINE IN THE DIRECTION OF FLOW. PROVIDE CLEANOUTS AT EACH TURN IN THE DIRECTION OF FLOW.
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KEY PLAN



		CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
		ENGINEERING DISCIPLINE:	A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES		U.S. Department of Veterans Affairs	BLDG 60 - FLOOR 01 - DEMO, FLOOR PLANS & RCPS	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
						Approved:	FULLY SPRINKLERED	Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	Building Number 60
								Issue Date 03/31/2022	Drawing Number 60M-101
								Checked MGH	125 OF 435
								Drawn MM/OBJ/JCY	
		Revisions:	Date:						

VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE
INSTALLATION OR CONSTRUCTION.

IN ACCORDANCE WITH APPLICABLE CODES, VA STANDARDS
INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH
RECOMMENDATIONS.

INSTALLATION OF EQUIPMENT AND MATERIALS WITH OTHER TRADES
COORDINATE PIPING OVER ELECTRICAL PANELS OR ELECTRONIC
EQUIPMENT.

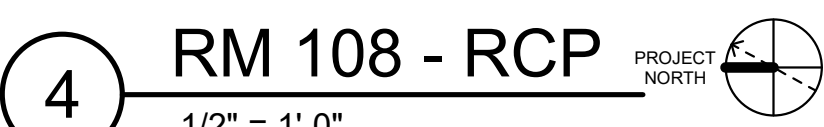
COORDINATE WITH GENERAL CONTRACTOR AND OWNER
GIVE UP WALLS AND ROOF.

ALL WALL PENETRATIONS CANNOT BE FIELD STOPPED AT THE END
OF THE PENETRATING PIPE. STOPPING COMPOSED OF MINERAL WOOL
AND GROUT. THE PENETRATION TO PROVIDE PROTECTION AGAINST
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3. INSTALL NEW STANDARD RESPONSE SPRINKLER.
4. INSTALL NEW IN-LINE TRANSFER FAN. PROVIDE TEMPERATURE AND HUMIDITY SENSOR BY CONTROLS CONTRACTOR. REFER TO M-501 FOR IN-LINE CEILING TRANSFER FAN DETAIL.
5. PROVIDE CEILING GRILLES. REFER TO M-502 FOR SUPPLY GRILLE AND INTAKE GRILLE SIZE.
6. REFER TO M-501 FOR FLEXIBLE DUCT CONNECTION DETAIL.
7. REFER TO M-501 FOR DIFFUSER BOX DETAIL.
8. REFER TO M-501 FOR ROUND DUCT THRU WALL DETAIL.

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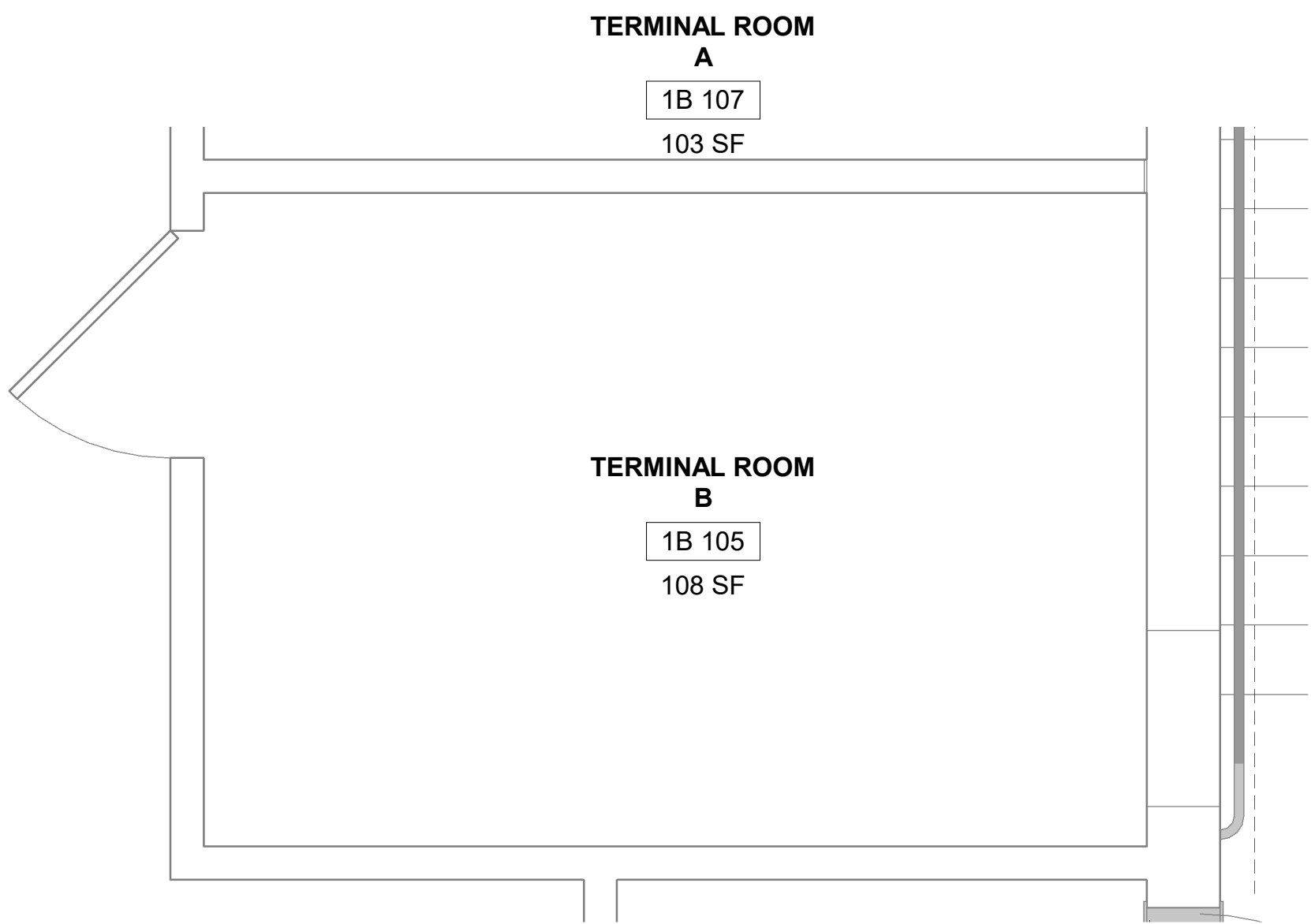
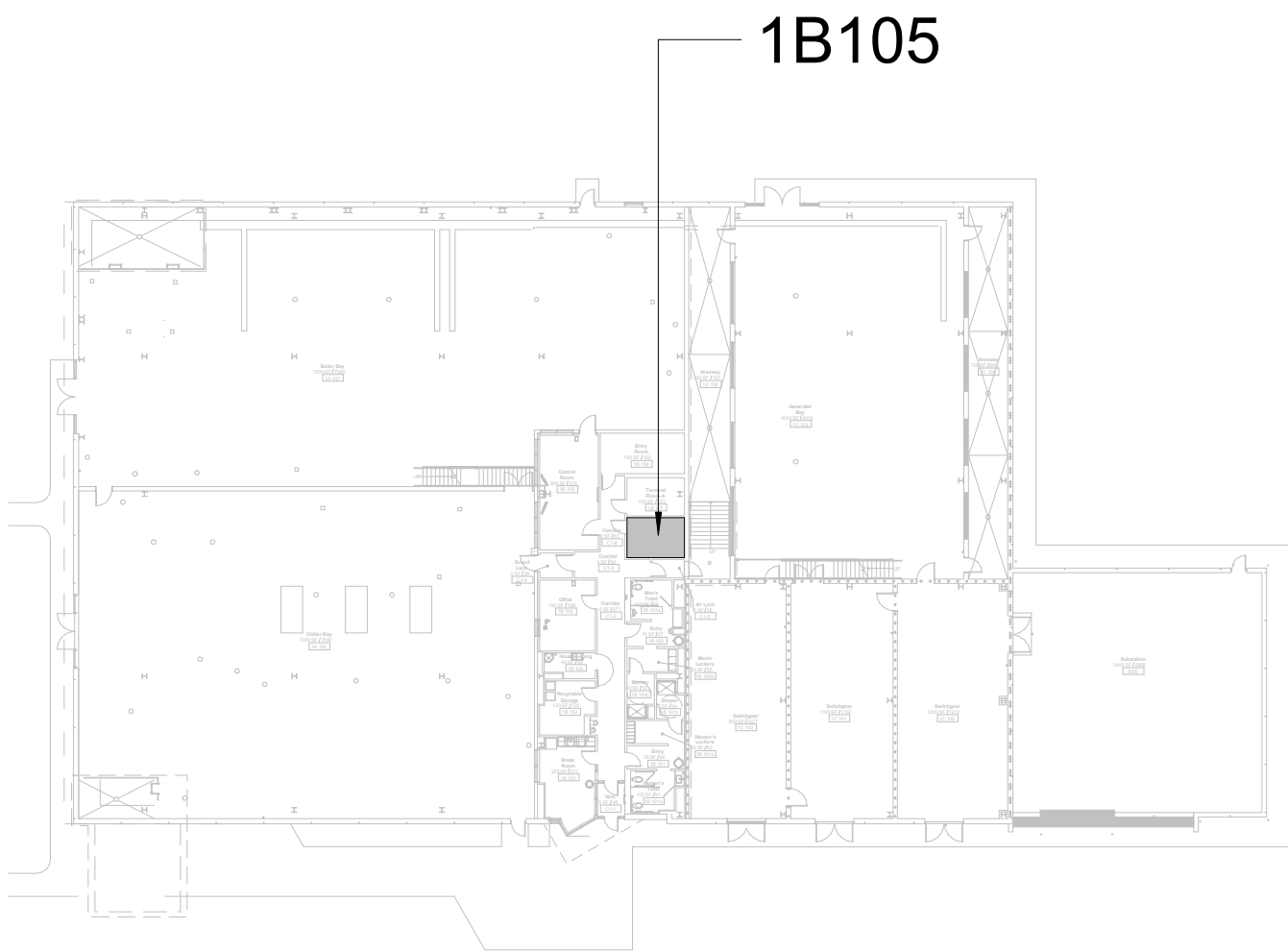
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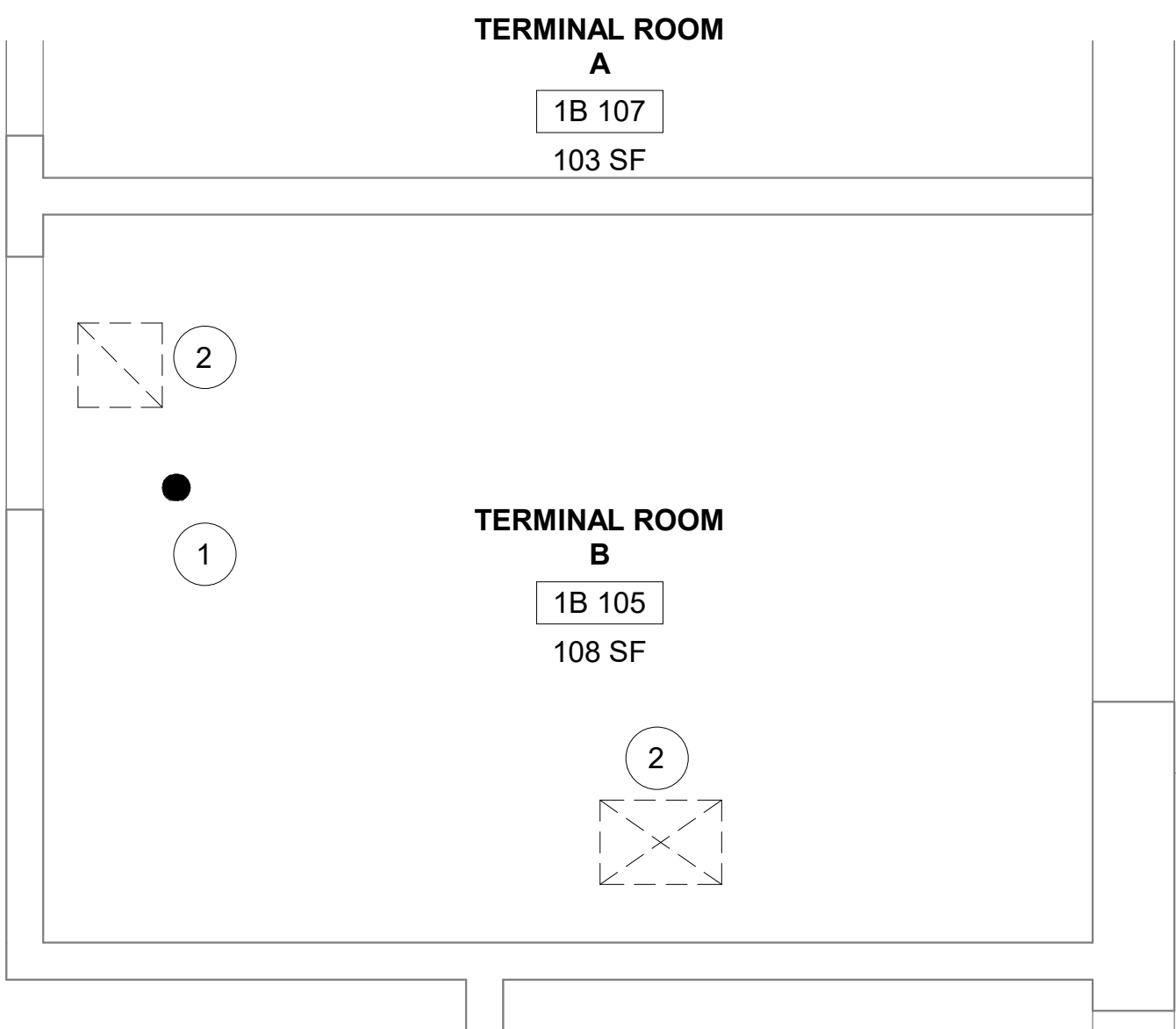
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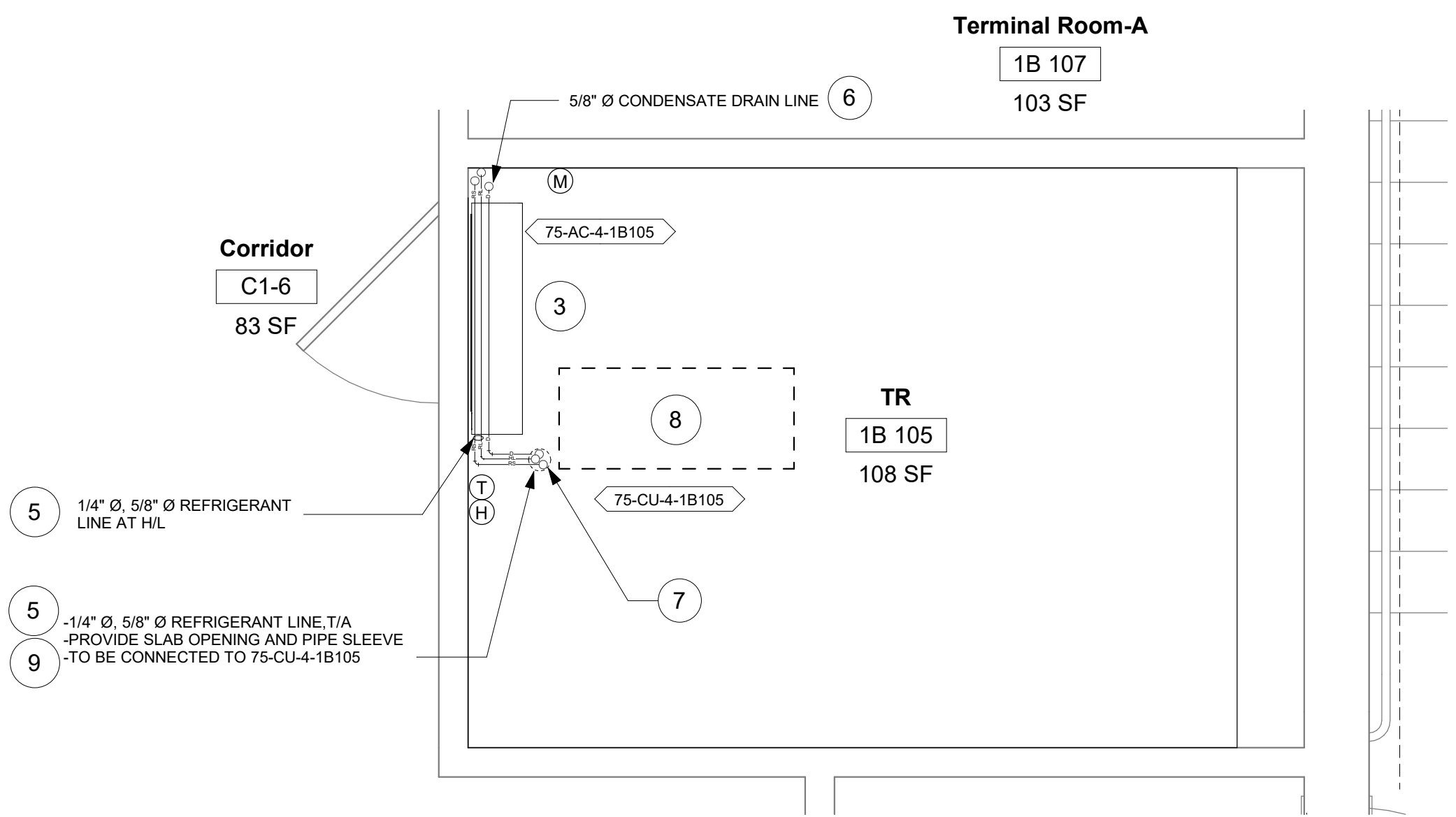
KEY PLAN



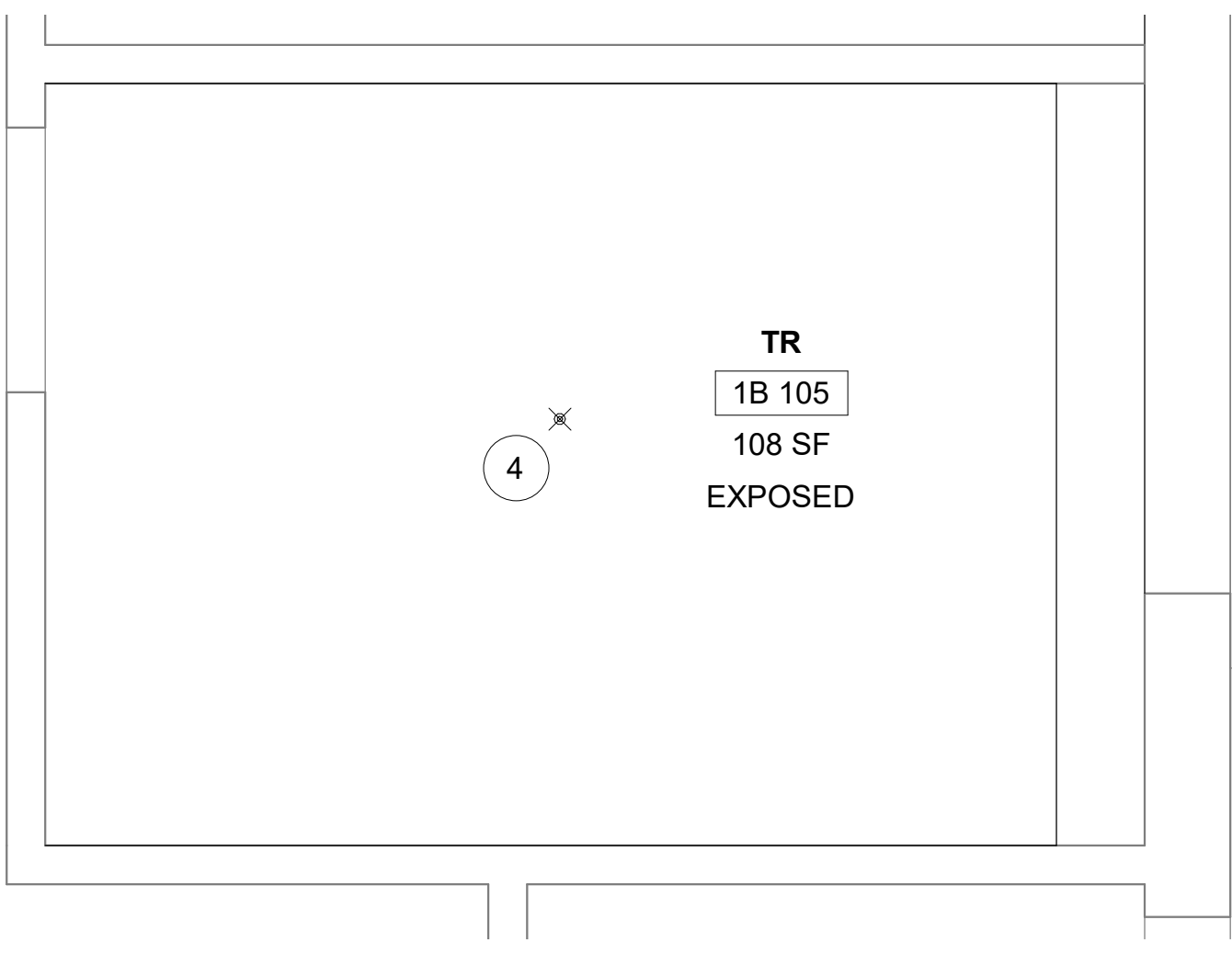
1 RM 1B105 - DEMO FLOOR PLAN
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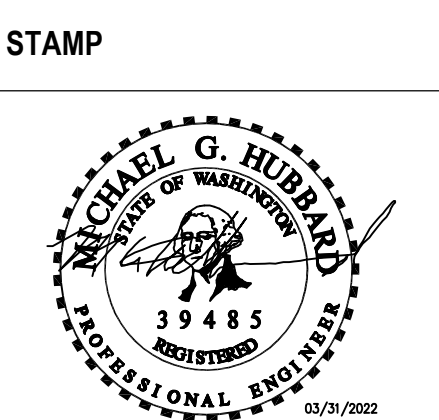


4 RM 1B105 - RCP
1/2" = 1'-0"

Revisions:	Date:

CONSULTANT
ENGINEERING DISCIPLINE:

ARCHITECT/ENGINEER OF RECORD
A/E:
SPEES DESIGN BUILD
625 1ST AVE, STE 301
SEATTLE, WA 98104
(206) 590-2118
RAY SPEES



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

Drawing Title
BLDG 75 - FLOOR 01 - DEMO,
FLOOR PLANS & RCPS

Approved:

Phase
CONSTRUCTION
DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

Checked
MGH

Drawn
MM/OBJ/JCY

Project Number
657-21-701JB
Building Number
75
Drawing Number
75M-101
127 OF 435

A

B

B

C

D

E

F

A

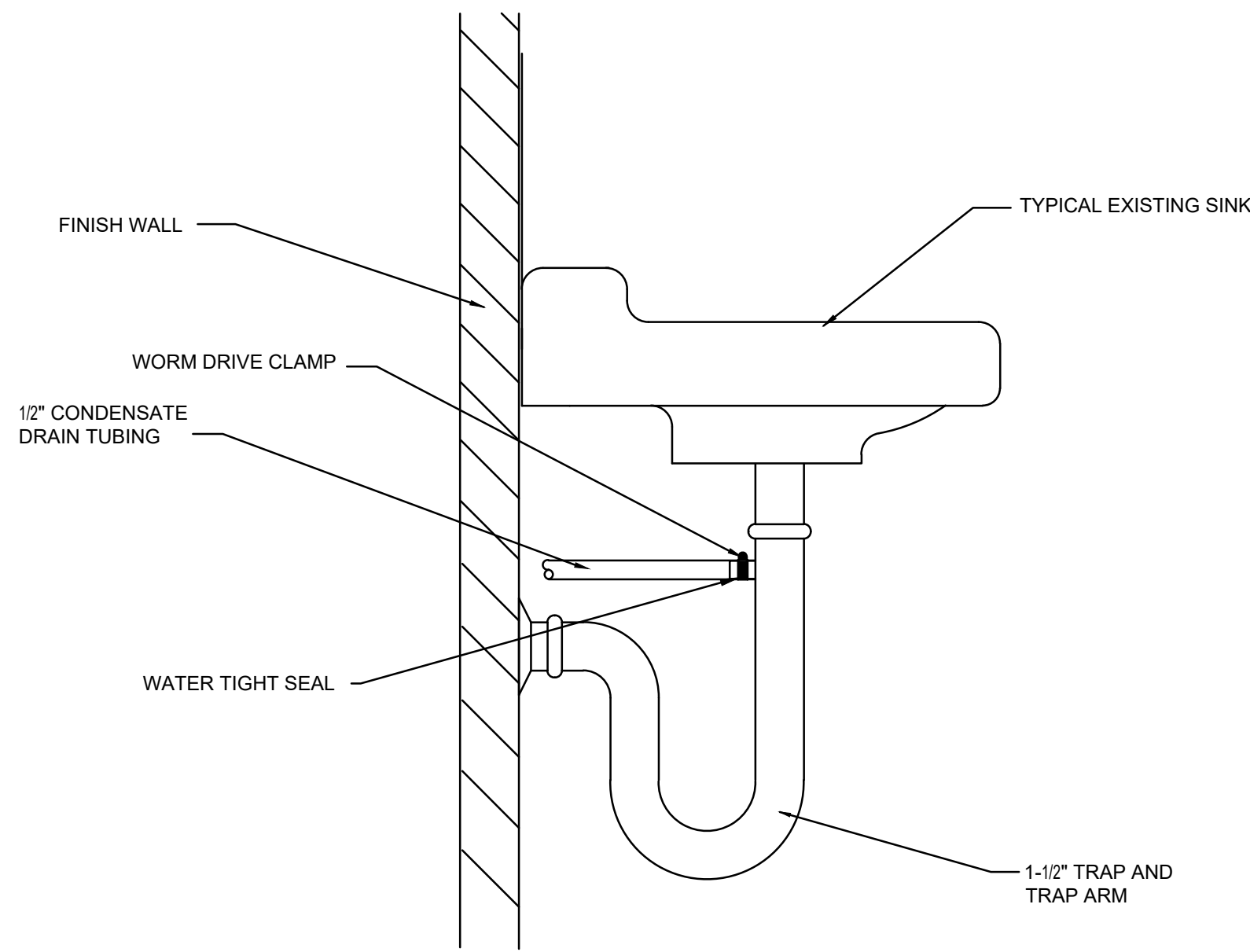
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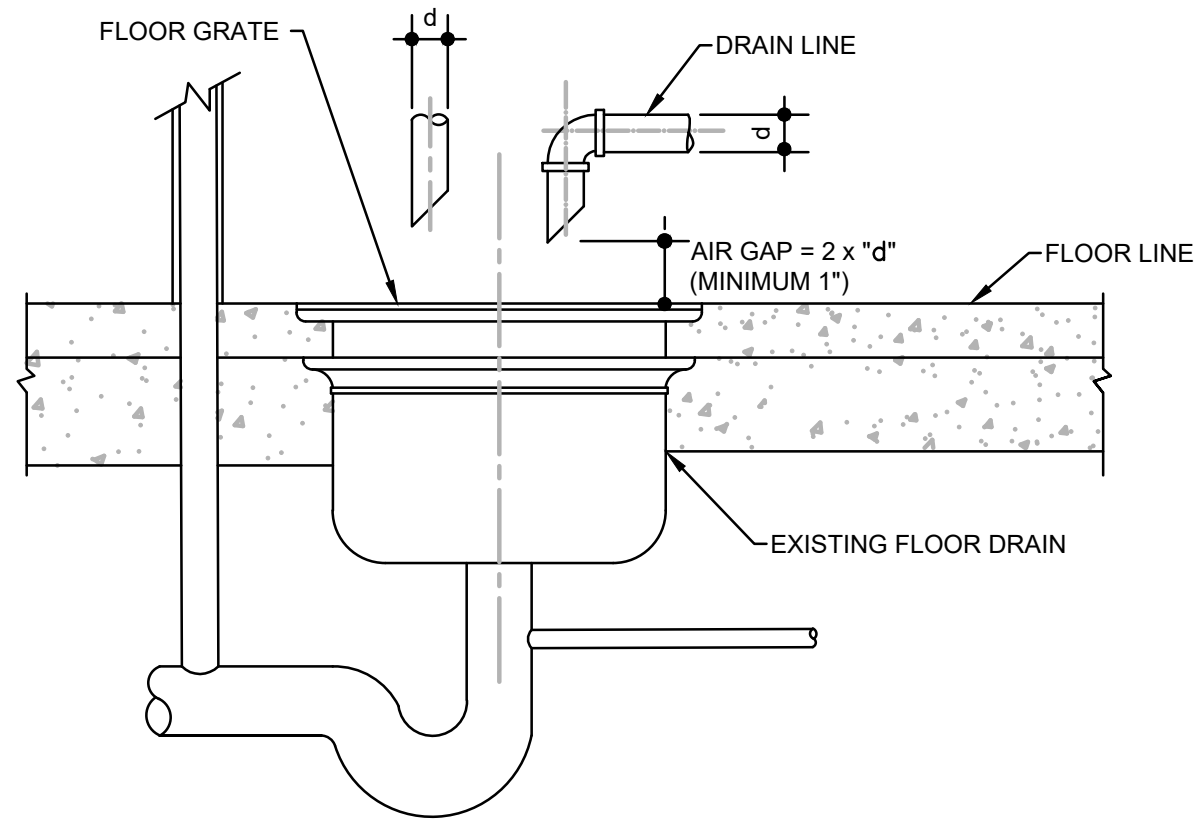
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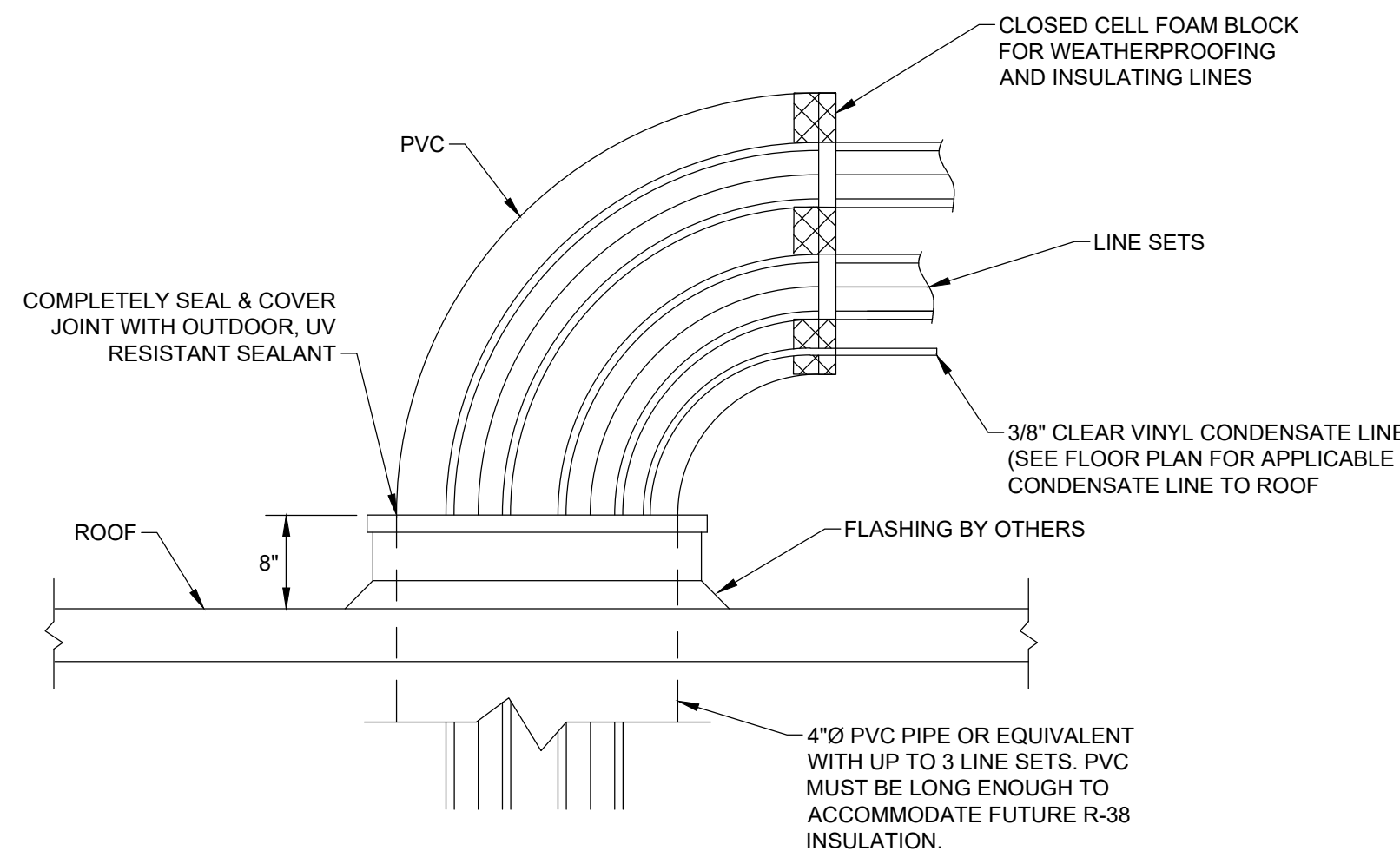
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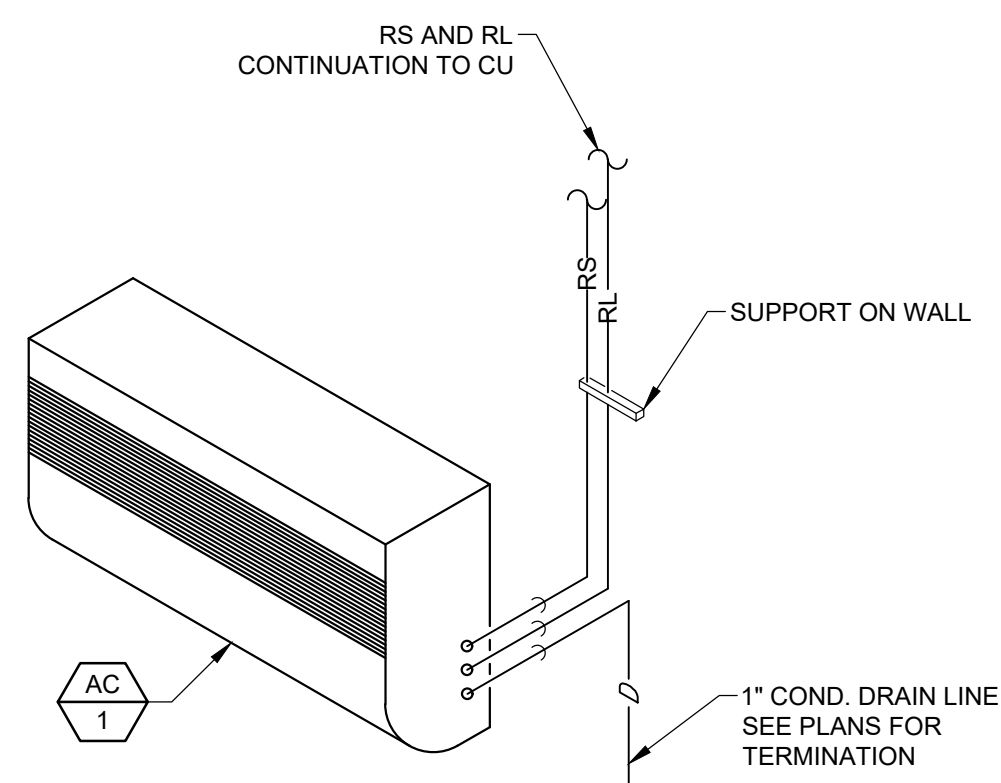
1 | INDIRECT DRAIN FOR SINK
SCALE: NOT TO SCALE



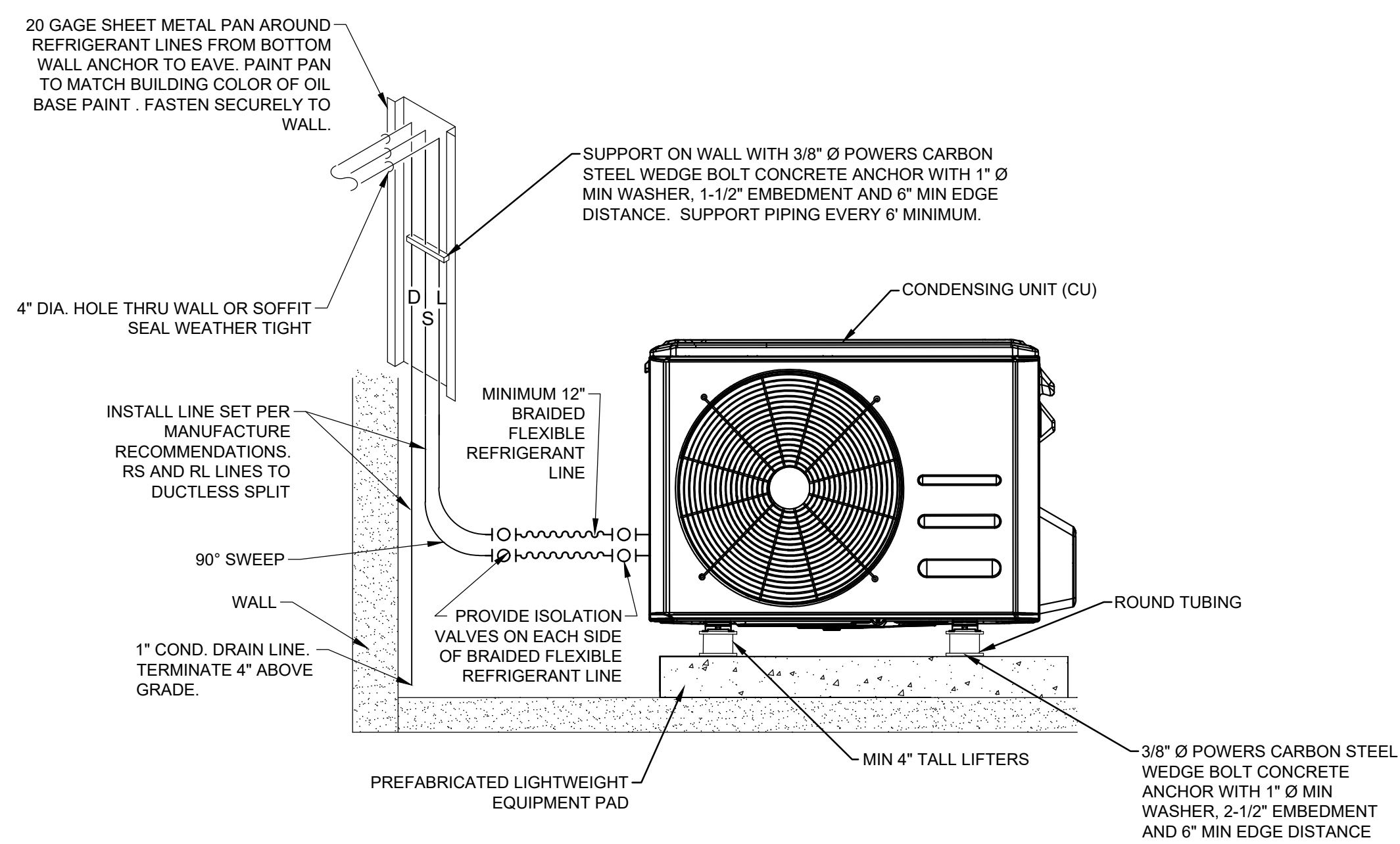
2 | INDIRECT DRAIN FLOOR SINK
SCALE: NOT TO SCALE



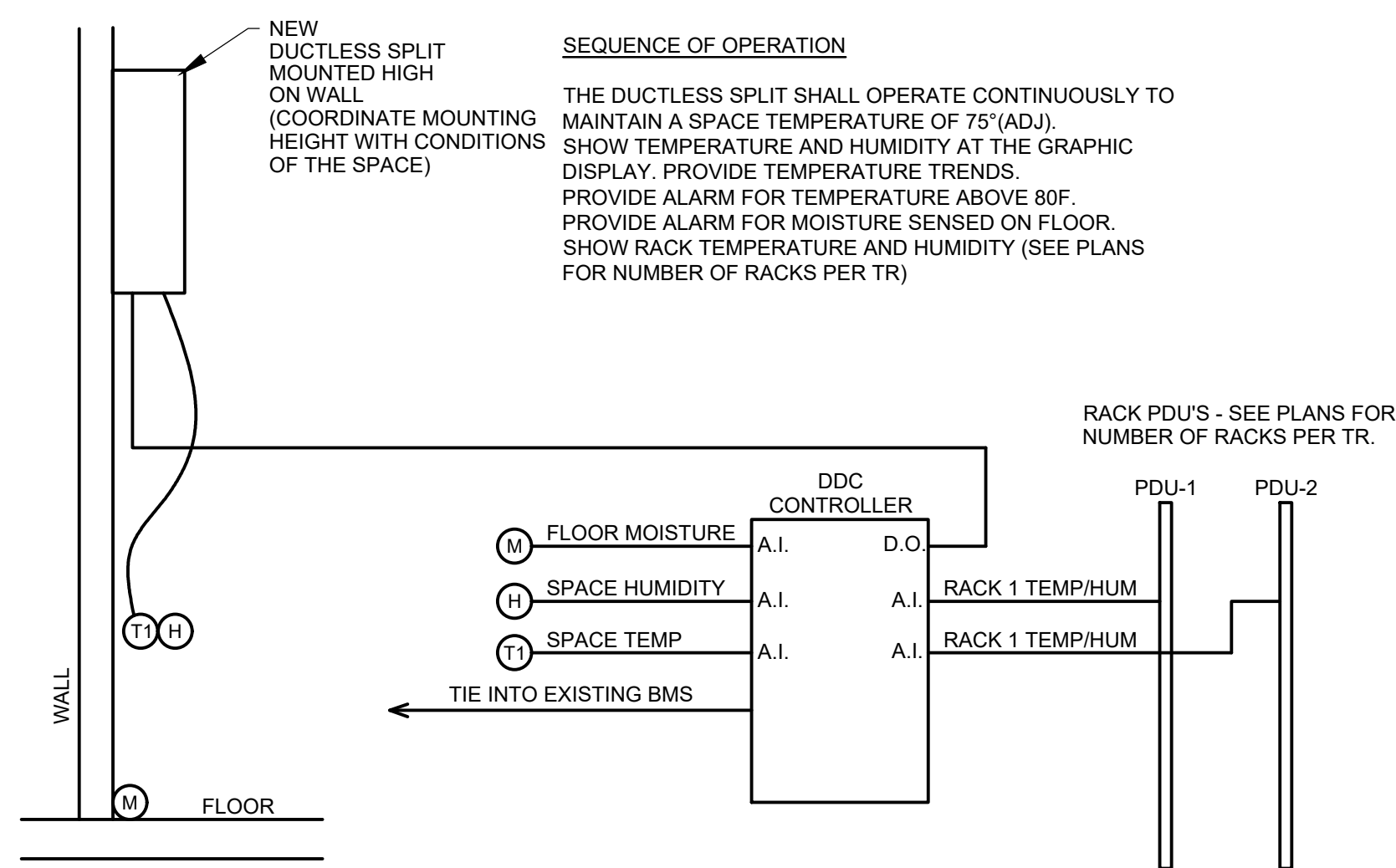
3 | LINESET FLASHING DETAIL
SCALE: NOT TO SCALE



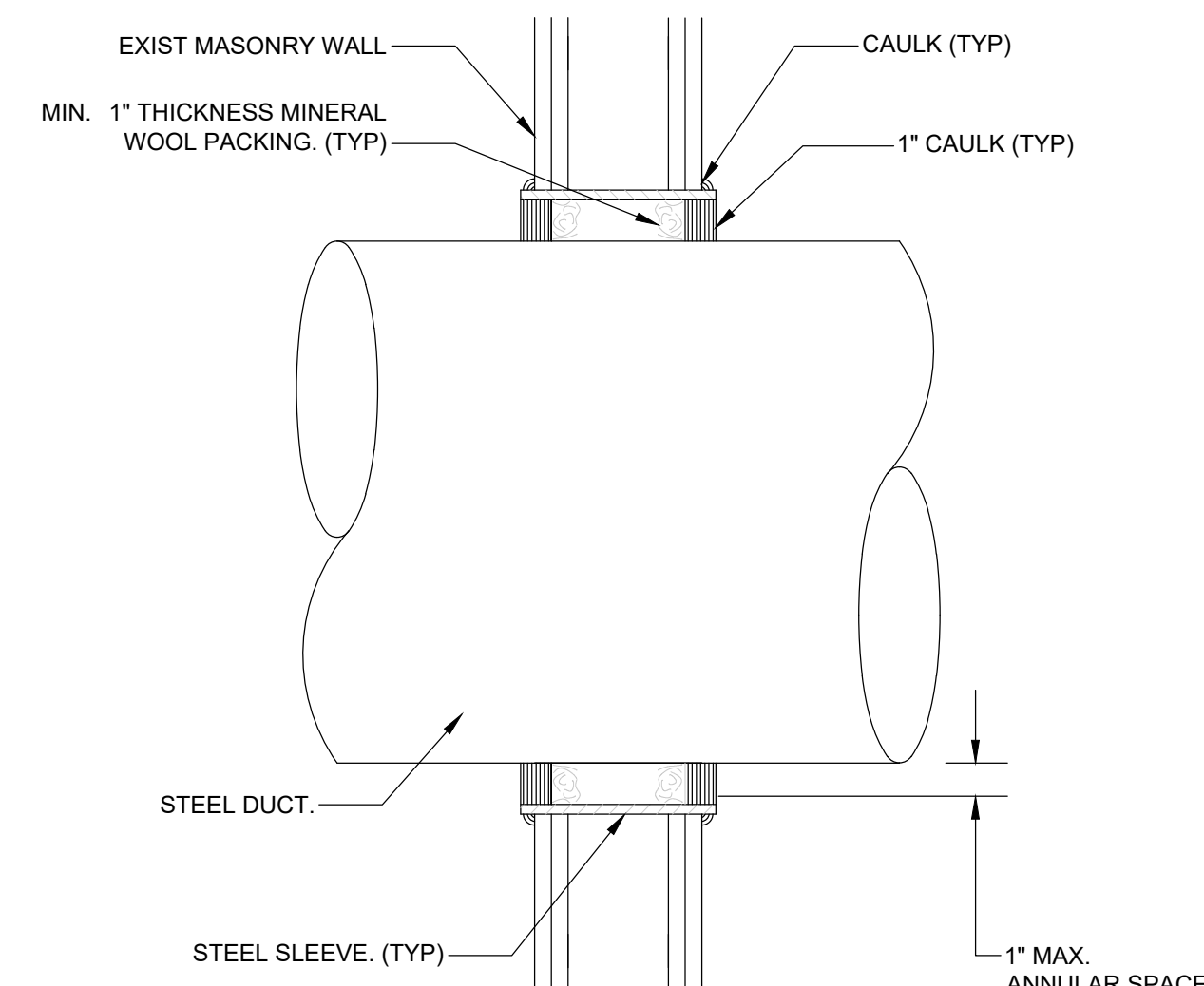
4 | DUCTLESS SPLIT SYSTEM DETAIL
SCALE: NOT TO SCALE



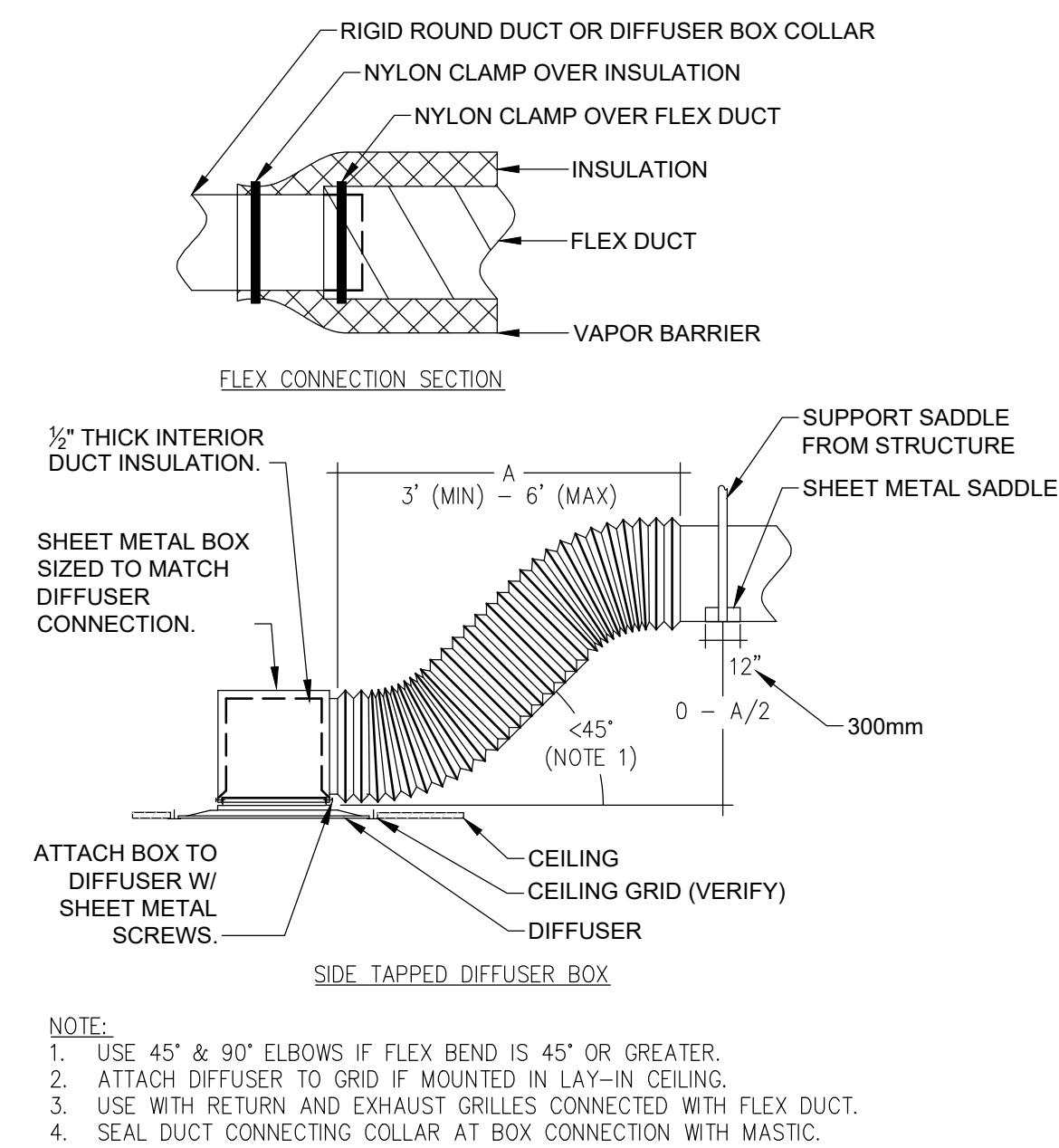
5 | CONDENSING UNIT GROUND MOUNT SUPPORT DETAIL
SCALE: NOT TO SCALE



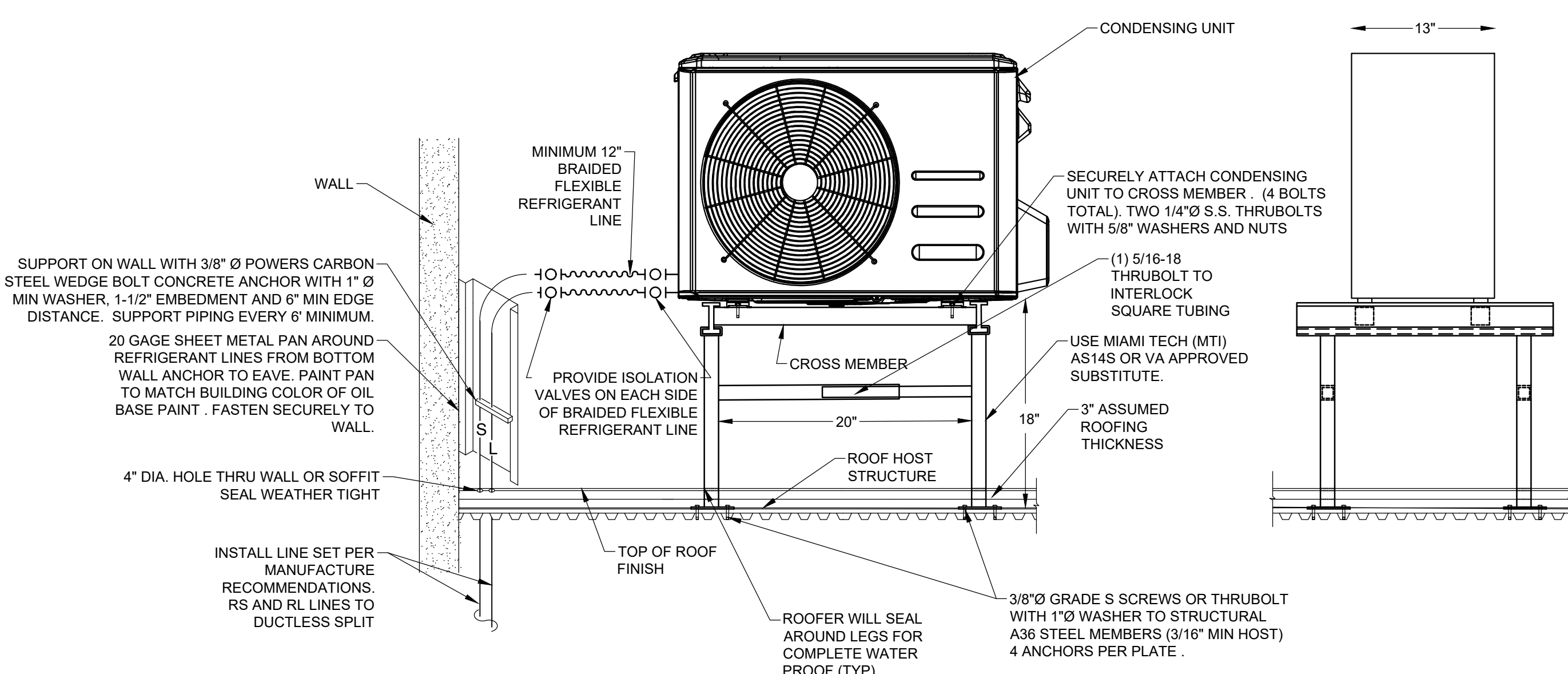
6 | TELECOMMUNICATION ROOM CONTROL DIAGRAM
SCALE: NOT TO SCALE



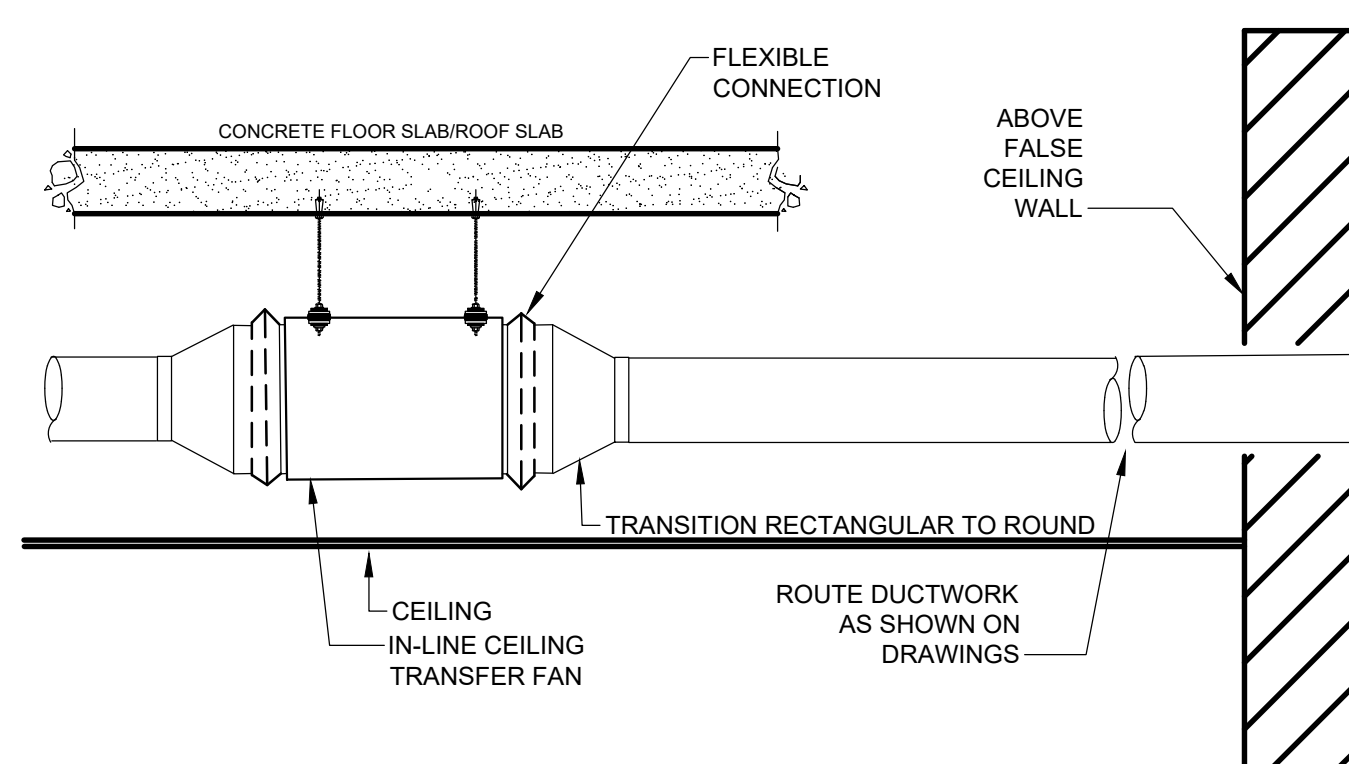
7 | ROUND DUCT THRU WALL DETAIL
SCALE: NOT TO SCALE



8 | DIFFUSER BOX DETAIL
SCALE: NOT TO SCALE

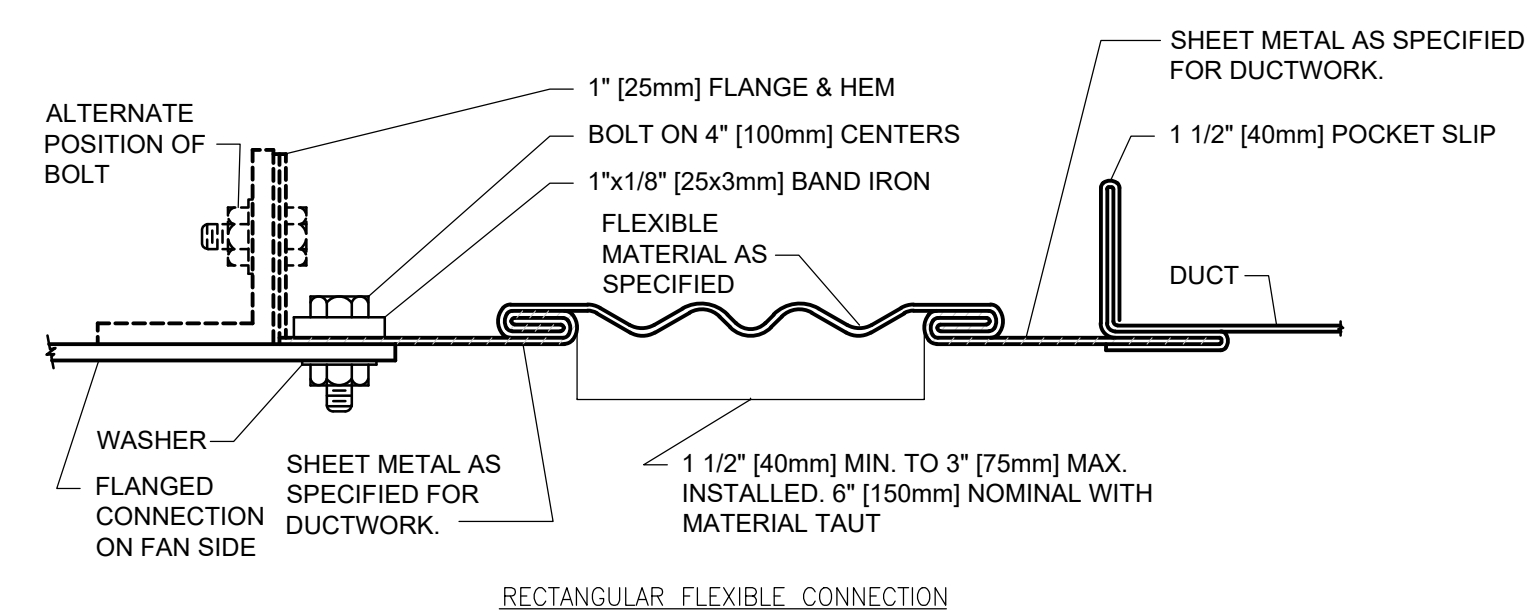


9 | CONDENSING UNIT ROOF MOUNT SUPPORT DETAIL
SCALE: NOT TO SCALE

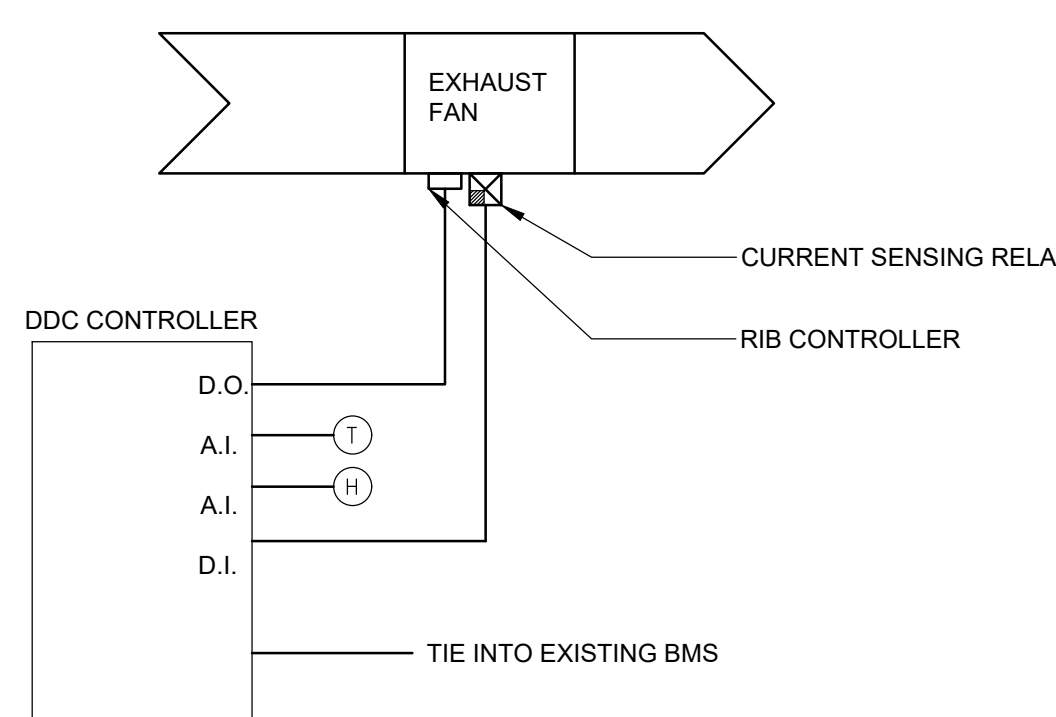


NOTES:
• PROVIDE FAN SPEED CONTROLLER MOUNTED AT THE SIDE OF THE FAN.
• INSTALLATION SHALL COMPLY WITH THE MANUFACTURER'S PRINTED RECOMMENDATIONS.

10 | IN-LINE CEILING TRANSFER FAN
SCALE: NOT TO SCALE



11 | FLEXIBLE DUCT CONNECTIONS
SCALE: NOT TO SCALE



SEQUENCE OF OPERATION
THE EXHAUST FAN SHALL BE AVAILABLE TO RUN AT ALL TIMES. START EXHAUST FAN WHEN SPACE TEMPERATURE AND/OR HUMIDITY RISE ABOVE 78°F / 50% RH. (ADJ.)

12 | TELECOMMUNICATION ENCLOSURE EXHAUST CONTROL DIAGRAM
SCALE: NOT TO SCALE

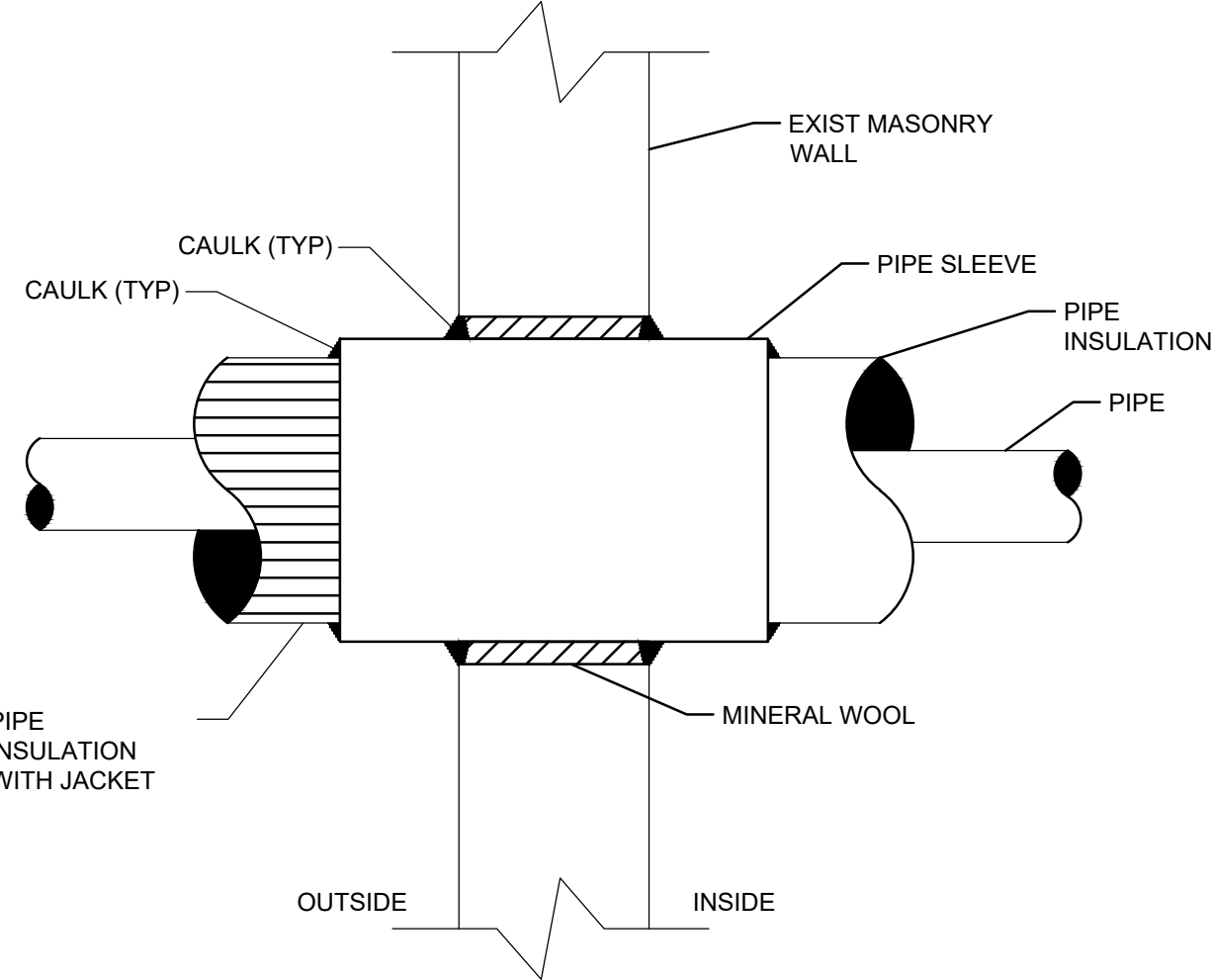
		CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
		ENGINEERING DISCIPLINE:	A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES			MECHANICAL DETAILS AND CONTROLS	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
						Approved:		Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	Building Number
								Issue Date 03/31/2022	Drawing Number M-501
								Checked MGH	128 OF 435
								Drawn MM/OB/JUCY	
		Revisions:	Date:						

SCHEDULE OF GRILLES					
TAG	BASIS OF DESIGN MFG	MODEL	NOMINAL DUCT SIZE (IN)	AIR FLOW (CFM)	FACE SIZE (IN)
SG-1	TITUS	300RS-DOUBLE DEFLECTION MODEL	16 X 16 - SUPPLY GRILLE	810	17 3/4" X 17 3/4"
IG-1	TITUS	350ZRS-0" DEFLECTION MODEL	16 X 16- INTAKE GRILLE	810	17 3/4" X 17 3/4"

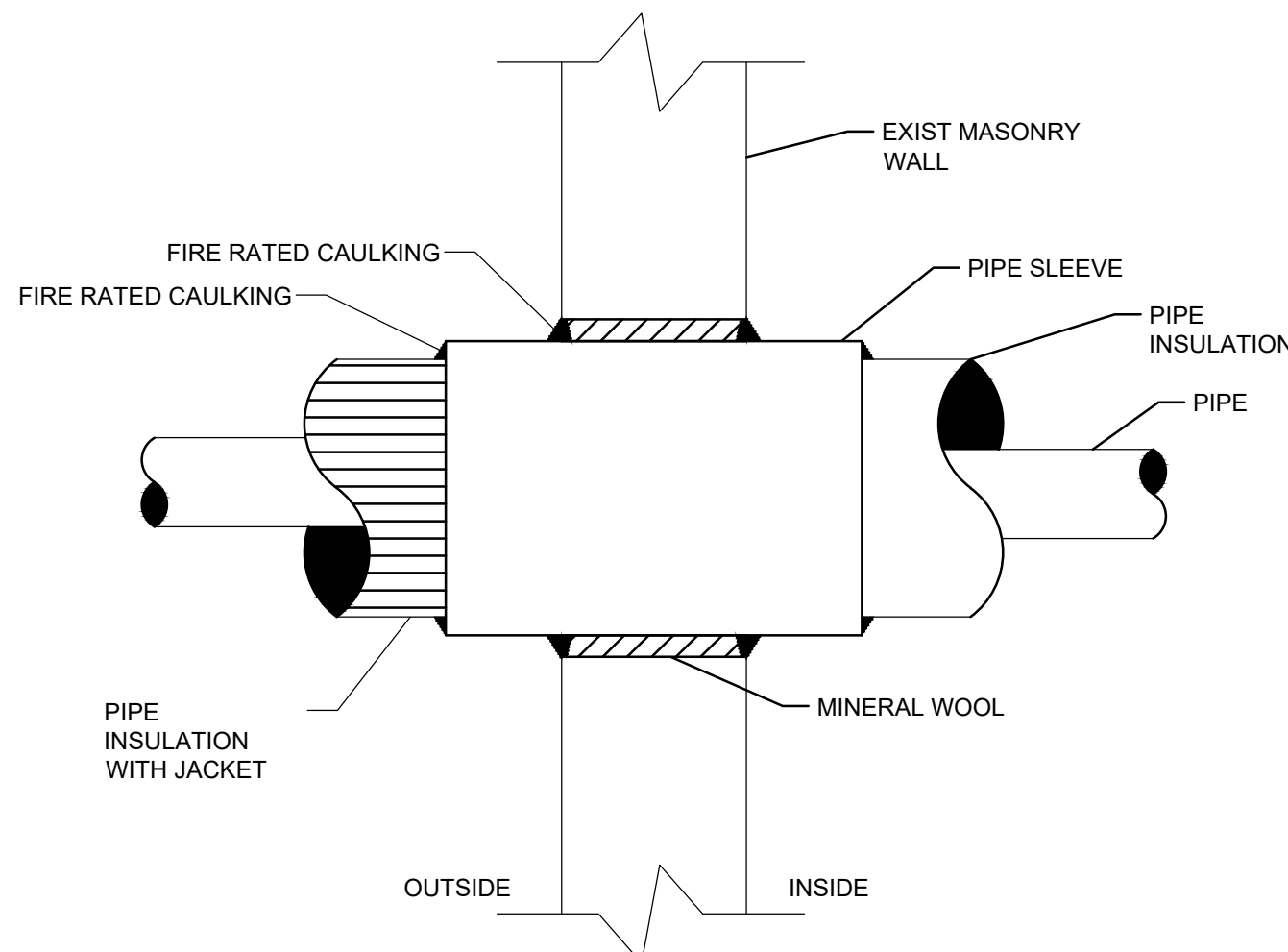
SCHEDULE OF FAN						
TAG	BASIS OF DESIGN MFG	DESCRIPTION	MODEL	CFM RANGE	FAN STATIC PRESSURE RANGE (IN WG.)	ELECTRICAL
TF-1	GREENHECK	IN-LINE CENTRIFUGAL FAN	SQ-120-Direct Drive	1128-1948	0-1.375	115V/1PH/60HZ
1. PROVIDE FAN SPEED CONTROLLER MOUNTED AT THE SIDE OF THE FAN.						

DUCTLESS SPLIT COOLING UNIT SCHEDULE																	
INDOOR UNIT (WALL MOUNTED)								OUTDOOR UNIT								NOTES	
TAG	BASIS OF DESIGN MFG	MODEL #	OPERATING WEIGHT (LBS)	CFM RANGE	RATED COOLING (BTU/H)	ELECTRICAL		TAG	BASIS OF DESIGN MFG	MODEL #	OPERATING WEIGHT (LBS)	SEER	AMBIENT AIR OPERATING RANGE (°F)	ELECTRICAL			
						VOLT-PH	FLA							VOLT-PH	MCA		MOCP
AC-1	NOT USED							CU-1	NOT USED								
AC-2	Daikin	FTX24NMVJU	27	403-713	21,200	208V-1PH	0.30	CU-2	Daikin	RX24NMVJU	108	18	-4°F - 115°F	208V-1PH	18.3	20	1,2,3,4,5,6,7,8,9
AC-3	Daikin	FTX30NVJU	38	512-890	31,400	208V-1PH	0.37	CU-3	Daikin	RK30NMVJUA	133	17.5	-22°F - 115°F	208V-1PH	17	20	1,2,3,4,5,6,7,8,9
AC-4	Daikin	FTX36NVJU	38	512-915	34,400	208V-1PH	0.37	CU-4	Daikin	RK36NMVJUA	133	15.9	-22°F - 115°F	208V-1PH	17	20	1,2,3,4,5,6,7,8,9

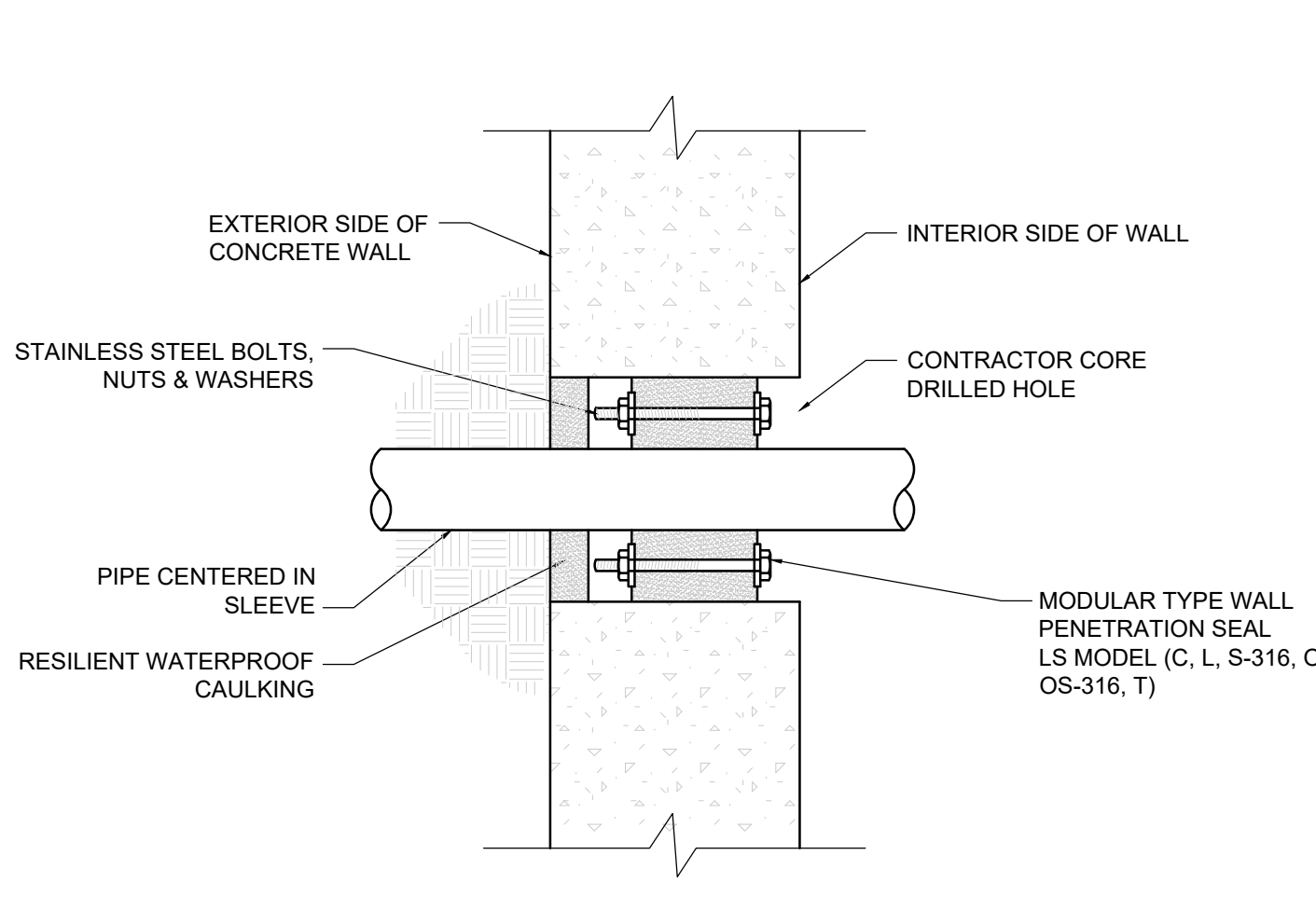
1. BASES OF DESIGN -OTHER EQUIVALENT UNITS THAT MEET SPECIFICATIONS AND MADE IN THE U.S.A. REQUIREMENTS MAY BE SUBMITTED FOR REVIEW.
2. PROVIDE WITH BACNET CONTROL INTERFACE. SEE SPECIFICATIONS AND CONTROL DIAGRAM FOR ADDITIONAL INFORMATION. PROVIDE WITH TEMPERATURE AND HUMIDITY SENSOR.
3. PROVIDE LOW AMBIENT CONTROLS & CRANK CASE HEATER.
4. PROVIDE SEISMIC EQUIPMENT STAND FOR ROOF MOUNTED CONDENSING UNIT.
5. PROVIDE LIGHTWEIGHT PRECAST EQUIPMENT PAD FOR GROUND MOUNTED CONDENSING UNIT.
6. PROVIDE FACTORY WALL MOUNTING HARDWARE.
7. PROVIDE SLIDE-IN AIR FILTER.
8. PROVIDE CONDENSATE DRAIN PUMP.
9. INDOOR UNIT POWERED BY OUTDOOR UNIT.



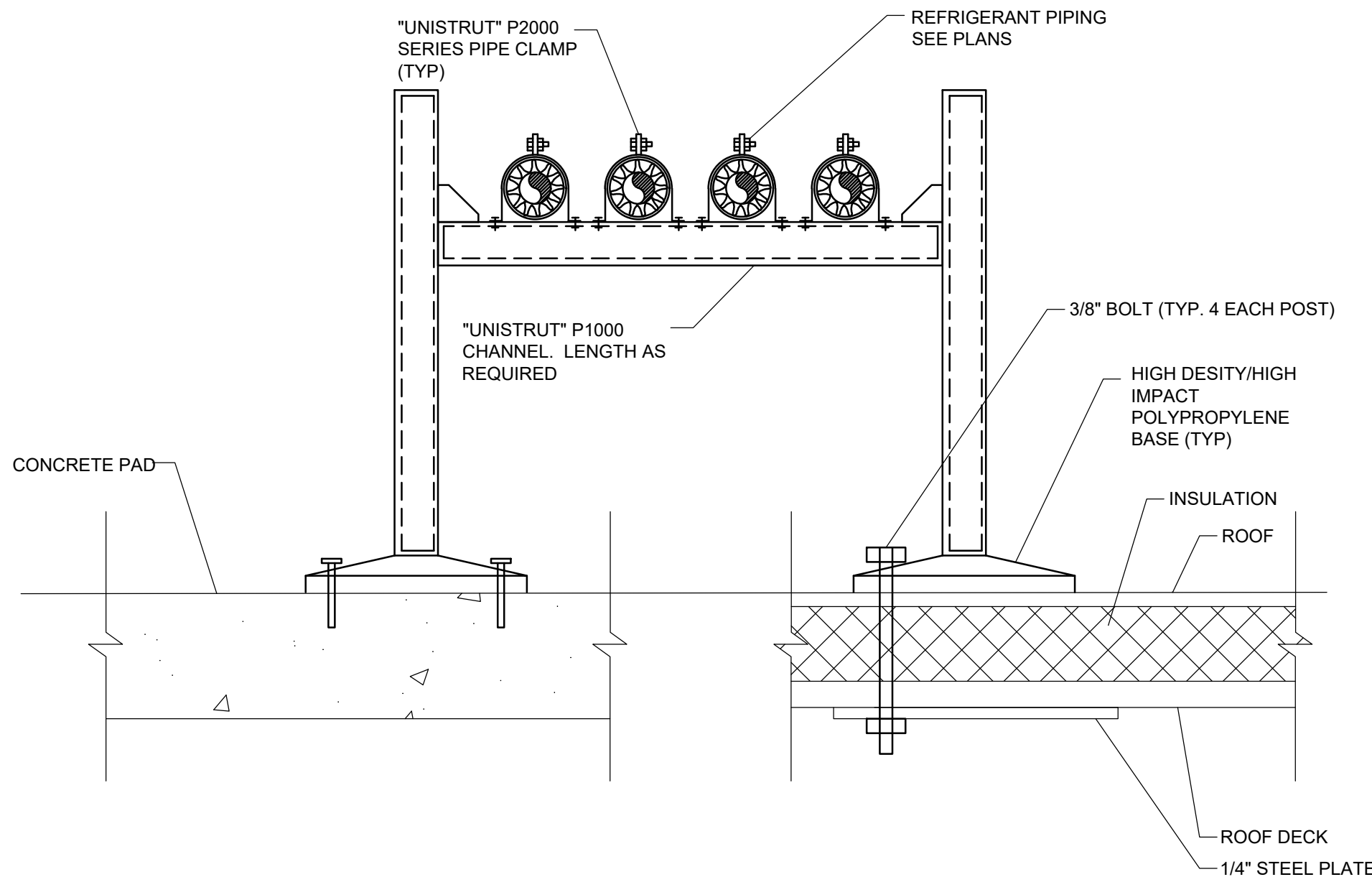
1 PIPE THRU WALL
SCALE: NOT TO SCALE



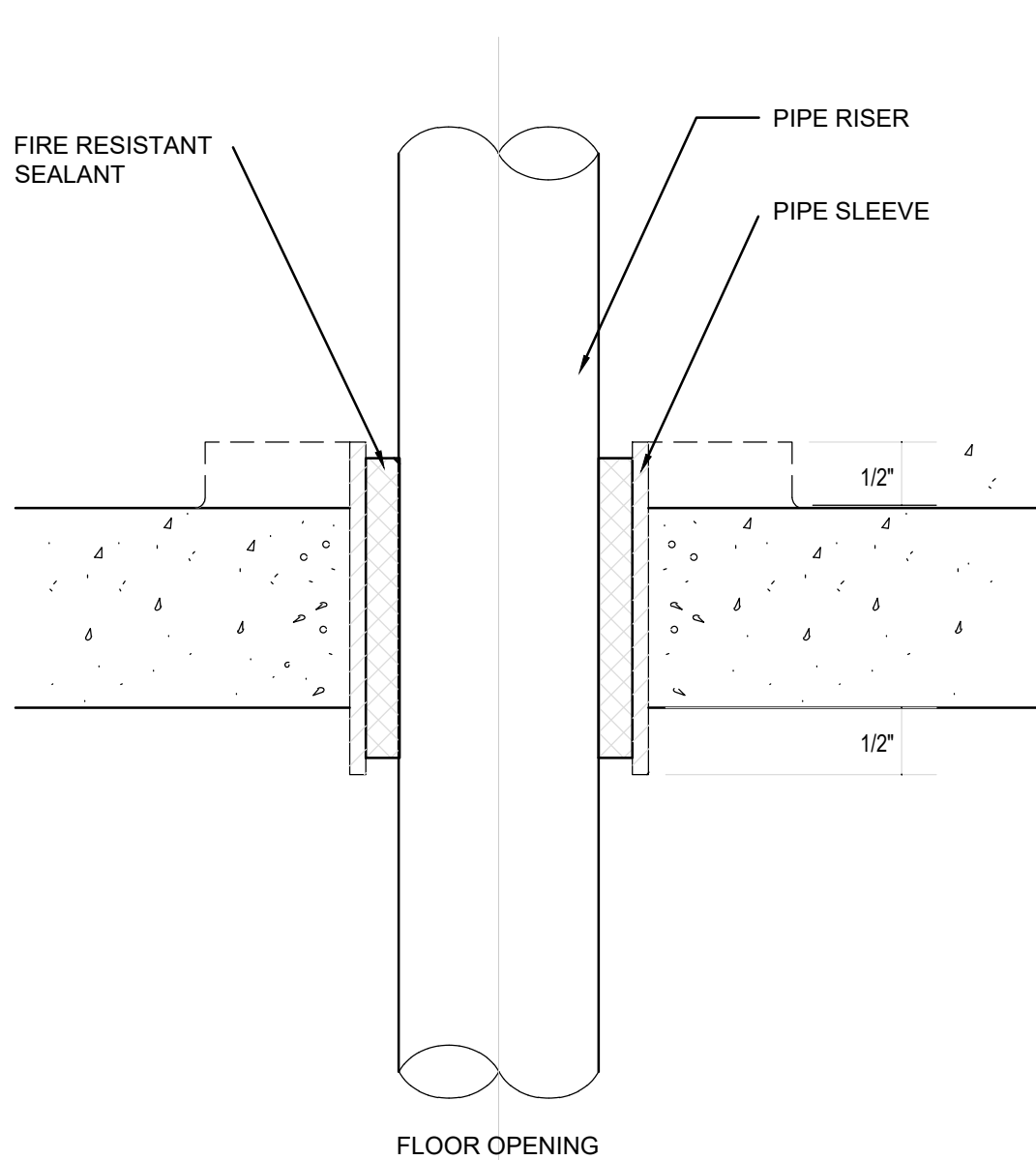
2 PIPE THRU FIRE RATED WALL DETAIL
SCALE: NOT TO SCALE



3 PIPE PENETRATION THROUGH WALLS BELOW GRADE
SCALE: NOT TO SCALE



4 PIPE ROOF MOUNTING DETAIL
SCALE: NOT TO SCALE



5 PIPE THRU FLOOR DETAIL
SCALE: NOT TO SCALE

DUCTLESS SPLIT SYSTEM REFERENCE TABLE							
Building No.	Floor	ROOM NUMBER	INDOOR UNIT TAG	CONDENSING UNIT TAG	CONDENSING UNIT LOCATION	ROOF TYPE	REFERENCED DETAIL
1	0	GC12	Existing cooling to remain in service			NA	NA
	1	C102D	AC-3	CU-3	Roof	Asphalt	1/A-603
		1E 15	AC-3	CU-3	Ground	NA	NA
	2	2C10A	AC-3	CU-3	Roof	Asphalt	1/A-603
2	3	E303	Existing cooling to remain in service			NA	NA
		3C13	AC-3	CU-3	Roof	Asphalt	1/A-603
	0	G04	Existing cooling to remain in service			NA	NA
	1	111	AC-3	CU-3	Ground	NA	NA
3	2	209	AC-2	CU-2	Ground	NA	NA
	3	308	AC-3	CU-3	Ground	NA	NA
	0	B025	AC-3	CU-3	Ground	NA	NA
	1	117	AC-3	CU-3	Ground	NA	NA
18	2	224A	AC-3	CU-3	Ground	NA	NA
	0	011A	AC-3	CU-3	Ground	NA	NA
	1	119	AC-3	CU-3	Ground	NA	NA
	2	213	AC-3	CU-3	Ground	NA	NA
23	3	312	AC-2	CU-2	Ground	NA	NA
	0	G09B	AC-3	CU-3	Roof	TPO	TBD
	1	121A	AC-3	CU-3	Roof	TPO	TBD
	0	G02A	AC-3	CU-3	Ground	NA	NA
24	1	114B	AC-3	CU-3	Ground	NA	NA
	2	205A	AC-3	CU-3	Ground	NA	NA
	1	117A	AC-3	CU-3	Ground	NA	NA
	2	204B	AC-3	CU-3	Ground	NA	NA
25	3	313A	AC-2	CU-2	Ground	NA	NA
	0	BE111	AC-3	CU-3	Roof	Asphalt	1/A-603
	1FA				Roof	Asphalt	1/A-603
	1FB	1A139	AC-3	CU-3	Roof	Asphalt	1/A-603
51	1FC				Roof	Asphalt	1/A-603
	1FE	1A183	AC-4	CU-4	Roof	Asphalt	1/A-603
	1FD	1A102	AC-3	CU-3	Roof	Asphalt	1/A-603
	0	GN29A	AC-3	CU-3	Roof	Asphalt	1/A-603
52	1	1N82A	AC-3	CU-3	Roof	Asphalt	1/A-603
		1S33	AC-3	CU-3	Roof	Asphalt	1/A-603
	2	2S53	AC-3	CU-3	Roof	Asphalt	1/A-603
		2N91	AC-3	CU-3	Roof	Asphalt	1/A-603
53	0	GS10	AC-2	CU-2	Roof	TPO	TBD
		GS02A	AC-3	CU-3	Roof	TPO	TBD
	1	1S002	AC-3	CU-3	Roof	TPO	TBD
		1S011	AC-3	CU-3	Roof	TPO	TBD
55	2	2S001	AC-3	CU-3	Roof	TPO	TBD
	1FA	1A129	AC-3	CU-3	Roof	TPO	TBD
	1FB	1B104	AC-3	CU-3	Roof	TPO	TBD
		1C132	AC-2	CU-2	Roof	TPO	TBD
56	2FA	2A136	AC-3	CU-3	Roof	TPO	TBD
	2FB	2C144	AC-3	CU-3	Roof	TPO	TBD
	3FA	3A120	AC-3	CU-3	Roof	TPO	TBD
		3C149	AC-3	CU-3	Roof	TPO	TDB
57	0	BA105	AC-4	CU-4	Roof	TPO	TBD
	1	1A109	AC-4	CU-4	Roof	TPO	TBD
	2	2A122	AC-4	CU-4	Roof	TPO	TBD
	3	3A122	AC-4	CU-4	Roof	TPO	TBD
58	1F	1B139	AC-3	CU-3	Roof	TPO	TBD
	1F	1B120	AC-2	CU-2	Roof	TPO	TBD
	1F	104	AC-3	CU-3	Roof	TPO	TBD
	1F	102	AC-2	CU-2	Roof	Asphalt	1/A-603
75	1F	1B105	AC-4	CU-4	Roof	TPO	TBD

		CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
		ENGINEERING DISCIPLINE:	A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES			MECHANICAL DETAILS AND SCHEDULES	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
						Approved:		Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	Building Number
								Issue Date 03/31/2022	Drawing Number M-502
								Checked MGH	129 OF 435
								Drawn MM/OB/JJUCY	
Revisions:		Date:							

ELECTRICAL LEGEND

ELECTRICAL SHEET INDEX

GENERAL SYMBOLS

POWER

SWITCH
2 = DOUBLE POLE SWITCH
3 = THREE WAY SWITCH
4 = FOUR WAY SWITCH
K = KEY OPERATED SWITCH
T = SWITCH WITH TIMER

VARIABLE FREQUENCY DRIVE

DRAW OUT SWITCH/PLUG-RECEPTACLE CONNECTION

NORMALLY OPEN CONTACT (WHEN DE-ENERGIZED)

NORMALLY CLOSED CONTACT (WHEN DE-ENERGIZED)

HARDWIRED CONNECTION

JUNCTION BOX

SHUNT TRIP PUSHBUTTON OR KEY-SWITCH

THERMOSTAT

PANELBOARD, SWITCHBOARD, OR SWITCHGEAR.

CONDUIT OR EQUIPMENT TO BE REMOVED

CONDUIT ROUTED UNDERGROUND OR UNDER FLOOR

CONDUIT CONCEALED IN WALL, CEILING, OR UNDER FLOOR WHERE POSSIBLE, OTHERWISE EXPOSED

EXISTING CONDUIT EXPOSED, EXISTING TO REMAIN UNLESS OTHERWISE NOTED

EXISTING CONDUIT ROUTED UNDERGROUND, EXISTING TO REMAIN UNLESS OTHERWISE NOTED

EXTRA-HARD USAGE FLEXIBLE CORD

FLEXIBLE CONDUIT

CONDUIT TURNED UP OR TOWARD

CONDUIT TURNED DOWN OR AWAY

CONDUIT CAPPED

CONDUIT HOME RUN 3/4", 2#12 & 1#12 GND. UNLESS SHOWN OTHERWISE. (EXAMPLE SHOWN: TO PANEL L1, CIRCUIT 2)

CONDUIT HOMERUN - SEE FEEDER SCHEDULE

HANDHOLE

PULL BOX

MANUAL OR AUTOMATIC TRANSFER SWITCH

CIRCUIT BREAKER, RATING/NO. OF POLES WITH THERMAL MAGNETIC CIRCUIT BREAKER TRIP, UNLESS OTHERWISE NOTED

CIRCUIT BREAKER, MEDIUM VOLTAGE
a = CIRCUIT BREAKER NUMBER
b = FRAME SIZE

GROUND ROD IN GROUND ROD BOX

BATTERY

TRANSFORMER

TRAPPED KEY INTERLOCK
NO = NORMALLY OPEN
NC = NORMALLY CLOSED

MAIN LUGS ONLY

DELTA CONNECTION

WYE CONNECTION

SWITCH, MULTIPPOSITION

SWITCH, SINGLE BREAK

CIRCUIT BREAKER

DRAWOUT AIR CIRCUIT BREAKER

CAPACITOR

RECEPTACLE, CLOCK HANGER

RECEPTACLE, SINGLE

RECEPTACLE, DUPLEX

DISTRIBUTION PANEL

DUCT, CELL FLOOR HEADER

DUCT, TROLLEY

DUCT, UNDERFLOOR JUNCTION BOX

LADDER CABLE TRAY

WIREWAY

SUBSTATION

HI VOLTAGE SWITCH ON CONCRETE PAD

LUMINAIRE SCHEDULE 	LUMINAIRE, DOWNLIGHT - SEE LUMINAIRE SCHEDULE FOR MOUNTING LIGHT FIXTURE, RECESSED, 610X1220mm (2'X4') LETTER INDICATES TYPE. LIGHT FIXTURE, RECESSED, 305X1220mm (1'X4') LETTER INDICATES TYPE. LIGHT FIXTURE, RECESSED, 305X2439mm (1'X8') LETTER INDICATES TYPE. LIGHT FIXTURE, SURFACE MOUNTED, 610X1220mm (2'X4') LETTER INDICATES TYPE. LIGHT FIXTURE, SURFACE MOUNTED, 305X1220mm (1'X4') LETTER INDICATES TYPE. LIGHT FIXTURE, SURFACE MOUNTED, 305X2439mm (1'X8') LETTER INDICATES TYPE. LIGHT FIXTURE, EMERGENCY; LETTER INDICATES TYPE. LIGHT FIXTURE, RECESSED, 610X610mm (2'X2') LETTER INDICATES TYPE. LIGHT FIXTURE, SURFACE MOUNTED,
-------------------------------	--

AFG	ABOVE FINISHED COUNTERTOP	OC	ON CENTER
AFB	ABOVE FINISHED GRADE	OH	OVERHEAD
AFCI	ARC FLASH CIRCUIT INTERRUPTER	OS	OCCUPANCY SENSOR
AFF	AMP FRAME	PV	PAN/INDICATOR VALVE
AIC	AMPERE INTERRUPTING CAPACITY	PNL	PANEL
AJ	AUTHORITY HAVING JURISDICTION	PS	POWER SUPPLY
ATS	AUTOMATIC TRANSFER SWITCH	PVC	POLYVINYL CHLORIDE
CA	CONDUIT OR CEILING	R	EXISTING TO BE REMOVED
CATV	COMMUNITY ANTENNA TELEVISION	RECP	RECEPTACLE
CB	CIRCUIT BREAKER	RMC	RIGID METAL CONDUIT
CCTV	CLOSED CIRCUIT TELEVISION	SAC	SMALL APPLIANCE CIRCUIT
CL	CONNECTOR LIGHTING	SB, SWBDm	SWITCHBOARD
CO	CONDUIT ONLY	SG	SWITCHGEAR
DDC	DIRECT DIGITAL CONTROLS	SM	SMART METER
DL	DISTRIBUTION PANELBOARD	SPD	SURGE PROTECTIVE DEVICE
DP	EMPTY CONDUIT	TEL	TELEPHONE
EL	ELEVATION	TR	TAMPER RESISTANT
EMER	EMERGENCY	TYP	TYPICAL
EN	EXISTING IN NEW LOCATION	UON	UNLESS OTHERWISE NOTED
EMT	ELECTRICAL METALLIC TUBING	UL	UNDERWRITERS LABORATORIES
ER	EXISTING TO REMAIN	UG	UNDERGROUND
EX	EXISTING	VD	VOLTAGE DROP
FAAP	FIRE ALARM ANNUNCIATOR PANEL	VFD	VARIABLE FREQUENCY DRIVE
FACP	FIRE ALARM CONTROL PANEL	W	WATERPROOF (WHILE IN USE)
FOIC	FURNISHED BY CONTRACTOR, INSTALLED BY OWNER	WF	WEATHERPROOF
FOIC	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	WFM	WEATHERPROOF
GFCI	GROUND FAULT CIRCUIT INTERRUPTER		
GF	GROUND FAULT PROTECTION		
GND	GROUND		
HTR	HEATER		
IG	ISOLATED GROUND		
IMC	INTERMEDIATE METAL CONDUIT		
J-BOX	JUNCTION BOX		
LCP	LIGHTING CONTROL PANEL		
MCA	MINIMUM CIRCUIT AMPACITY		
MCB	MAIN CIRCUIT BREAKER		
MCC	MOTOR CONTROL CENTER		
MDP	MAIN DISTRIBUTION PANEL		
MLO	MAIN LUGS ONLY		
MS	MOTOR STARTER		
MTD	MOUNTED		
NAC	NOTIFICATION APPLIANCE CABINET		
NEC	NATIONAL ELECTRICAL CODE		
NFC	NOT FOR CONSTRUCTION		
NIC	NOT IN CONTRACT		
NL	NIGHT LIGHT		
NTS	NOT TO SCALE		

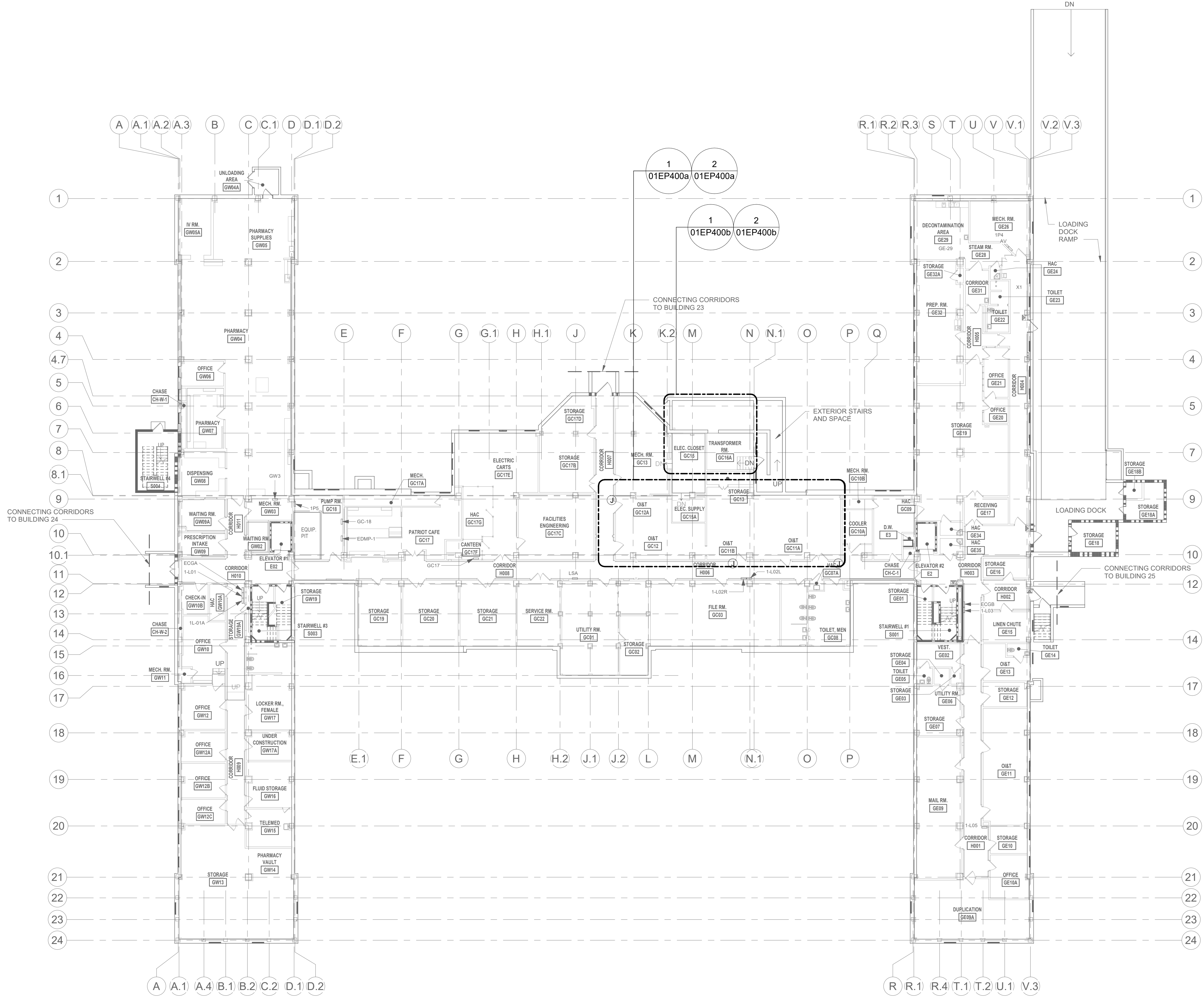
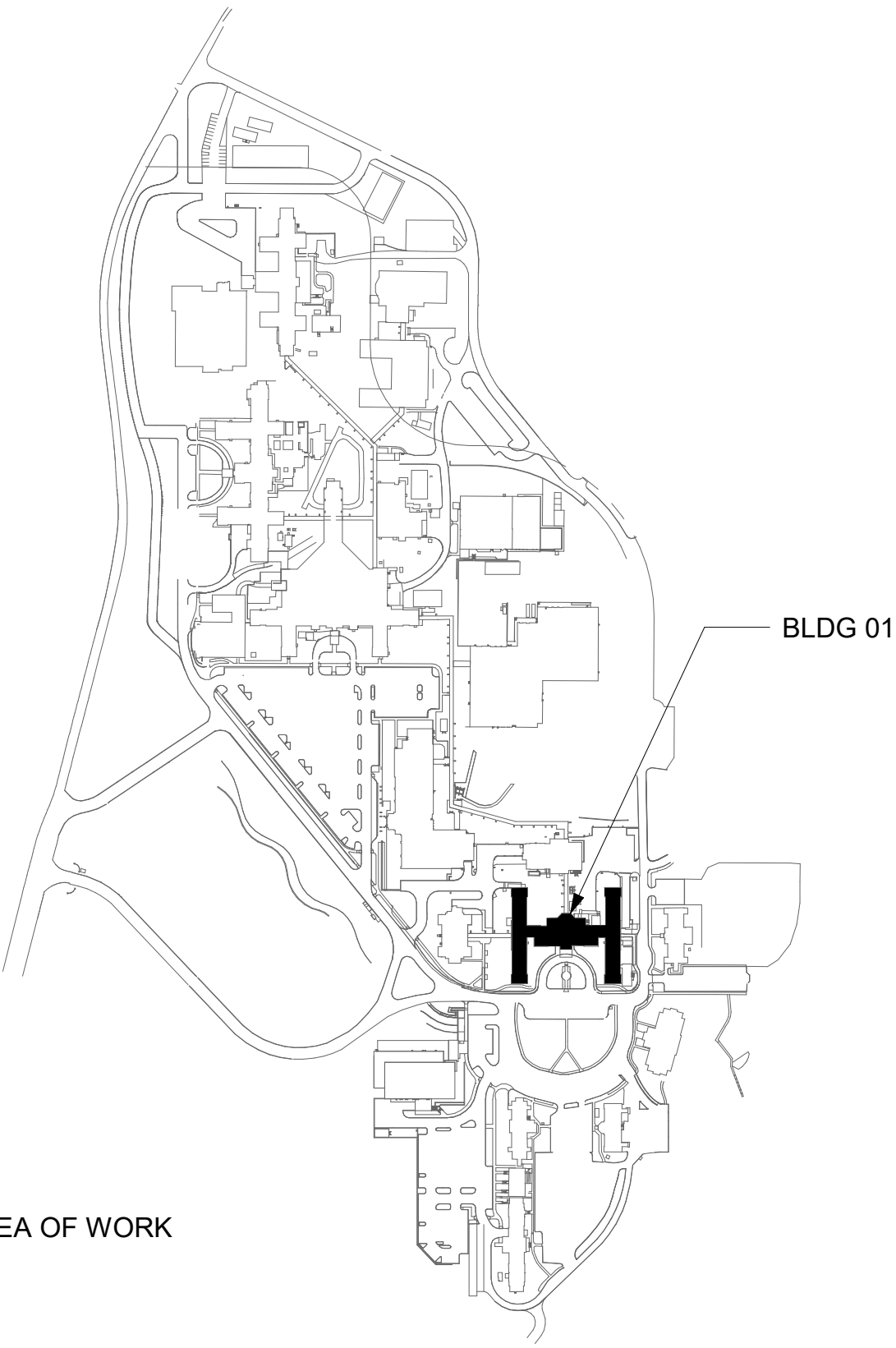
VA FORM 08-6231									
1	2	3	4	5	6	7	8	9	10

GENERAL NOTES

- ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER, LIGHTING AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL DEMOLISH ALL ELECTRICAL EQUIPMENT, CONDUCTORS, AND RACEWAYS ASSOCIATED WITH WALLS BEING REMOVED AND IN ALL LOCATIONS WHERE JUNCTION BOXES WILL NOT REMAIN ACCESSIBLE AFTER INSTALLATION OF MILLWORK, UNLESS OTHERWISE NOTED.
- PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES BE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
- CONTRACTOR SHALL COORDINATE NORMAL/ESSENTIAL ELECTRICAL SYSTEM SHUTDOWNS AND PHASING WITH THE VA PRIOR TO PERFORMING REQUIRED EQUIPMENT UPGRADES. CONTRACTOR TO PROVIDE BACKUP EMERGENCY POWER AND DETERMINE TIE-IN/CONNECTION PLAN WITH EXISTING EQUIPMENT. POWER TO ALL EXISTING ESSENTIAL EQUIPMENT CANNOT BE INTERRUPTED AND SHALL REMAIN ACTIVE DURING CONSTRUCTION. BACKUP POWER AND TIE-IN SHALL CONFORM WITH VA STANDARDS.
- SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
- REFERENCE CORRESPONDING ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL PROVIDE UPDATED CIRCUIT PANEL DIRECTORIES FOR ALL PANELS THAT CONTAIN CIRCUITS IMPACTED BY THIS PROJECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING FURNITURE, INCLUDING TRANSPORTATION, FOR ALL WORK TO DESIRED VA STORAGE LOCATION. COORDINATE WITH VA AS REQUIRED.

KEY NOTES

KEY PLAN



1 BLDG 01 - FLOOR 0 - ELECTRICAL PLAN
1/16" = 1'-0"

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

STAMP

Office of
Construction
and Facilities
Management

U.S. Department
of Veterans Affairs

Drawing Title
BLDG 01 - FLOOR 0 - ELECTRICAL PLAN

Phase
CONSTRUCTION
DOCUMENTS

Project Title
EHRM INFRASTRUCTURE
UPGRADES

Project Number
657-21-701JB
Building Number
01

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON
BARRACKS MO

Issue Date
03/31/2022

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LRL/WM

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LLT/JPS

Drawing Number
01EP100
131 OF 435