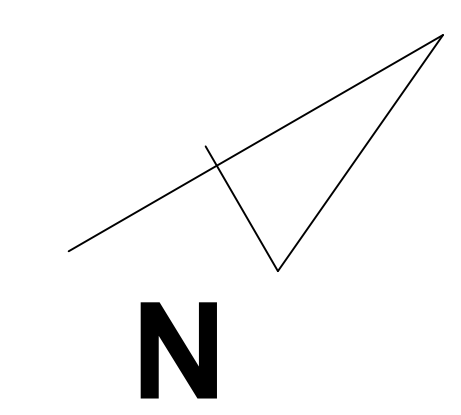
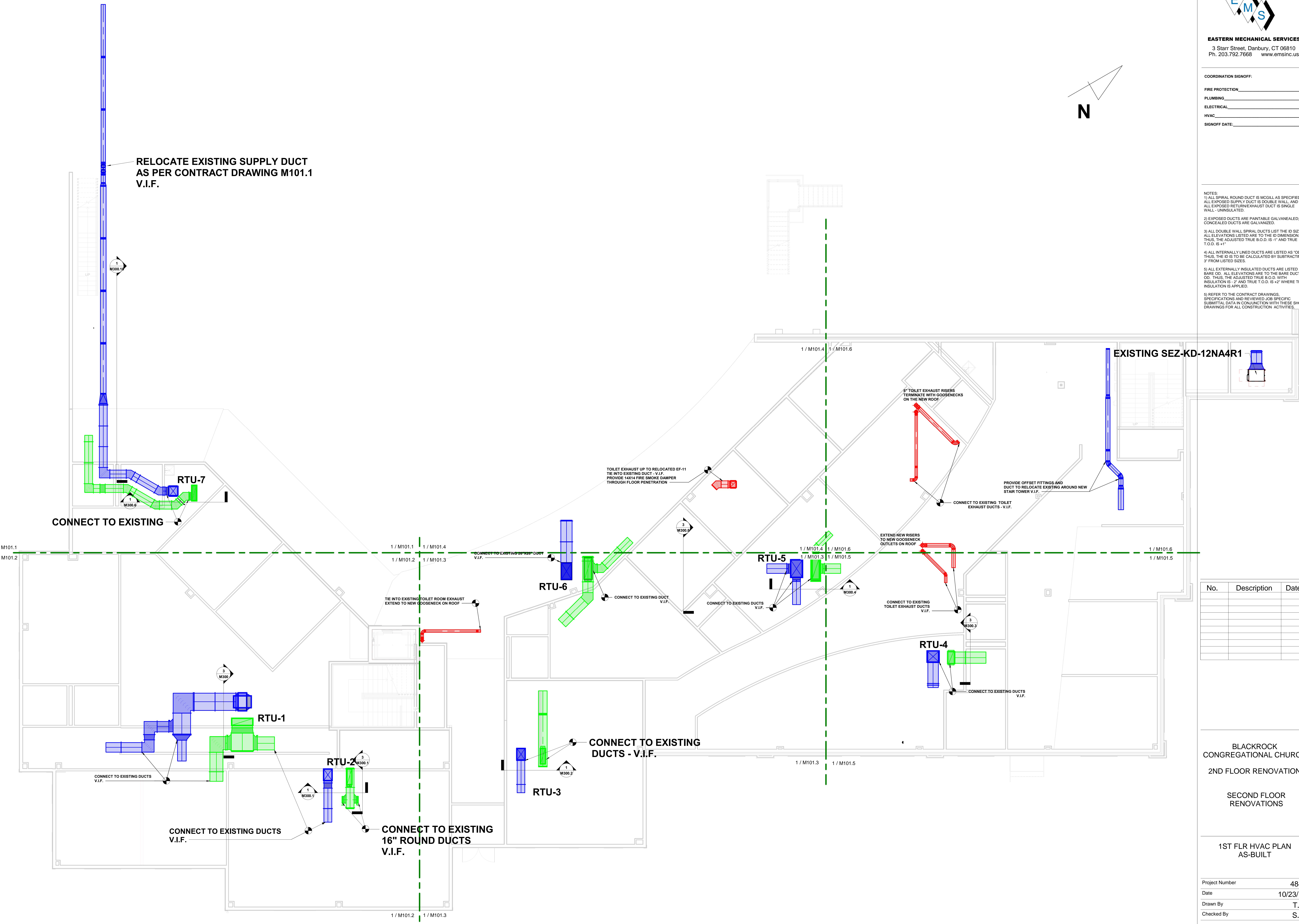


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COORDINATION SIGNOFF:
 FIRE PROTECTION _____
 PLUMBING _____
 ELECTRICAL _____
 HVAC _____
 SIGNOFF DATE: _____

NOTES:
 1) ALL SPIRAL ROUND DUCT IS MCGLILL AS SPECIFIED. ALL EXPOSED SUPPLY DUCT IS DOUBLE WALL AND ALL EXPOSED RETURN/EXHAUST DUCT IS SINGLE WALL - UNINSULATED.
 2) EXPOSED DUCTS ARE PAINTABLE GALVANEALIZED. CONCEALED DUCTS ARE GALVANIZED.
 3) ALL DOUBLE WALL SPIRAL DUCTS LIST THE ID SIZE. ALL ELEVATIONS LISTED ARE TO THE ID DIMENSION. THUS, THE ADJUSTED TRUE B.O.D. IS -1" AND TRUE T.O.D. IS +1".
 4) ALL INTERNALLY LINED DUCTS ARE LISTED AS "OD". THUS, THE ID IS TO BE CALCULATED BY SUBTRACTING 3" FROM LISTED SIZES.
 5) ALL EXTERNALLY INSULATED DUCTS ARE LISTED AS BARE OD. ALL ELEVATIONS ARE TO THE BARE DUCT OD. THUS, THE ADJUSTED TRUE B.O.D. WITH INSULATION IS -2" AND TRUE T.O.D. IS +2" WHERE THE INSULATION IS APPLIED.
 6) REFER TO THE CONTRACT DRAWINGS, SPECIFICATIONS AND REVISIONS FOR SPECIFIC SUBMITTAL DATA IN CONJUNCTION WITH THESE SHOP DRAWINGS FOR ALL CONSTRUCTION ACTIVITIES.

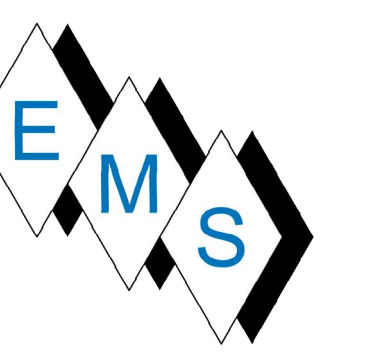


No.	Description	Date

BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR
 RENOVATIONS

1ST FLR HVAC PLAN
 AS-BUILT

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

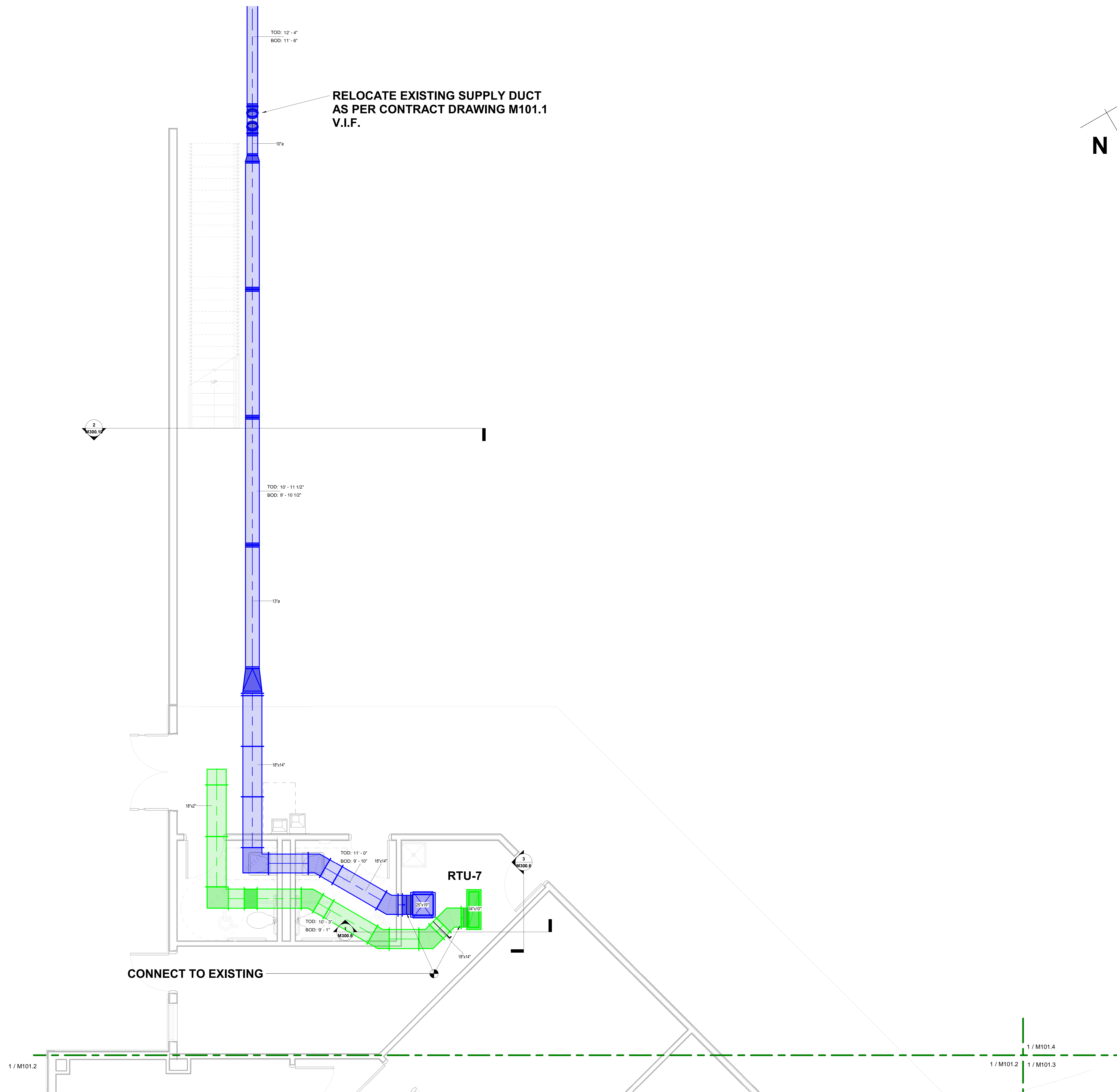
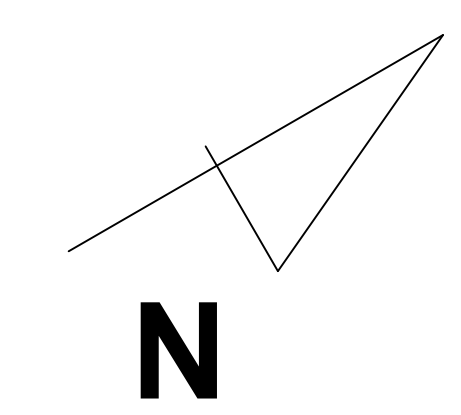


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COORDINATION SIGNOFF:

FIRE PROTECTION _____
 PLUMBING _____
 ELECTRICAL _____
 HVAC _____
 SIGNOFF DATE: _____

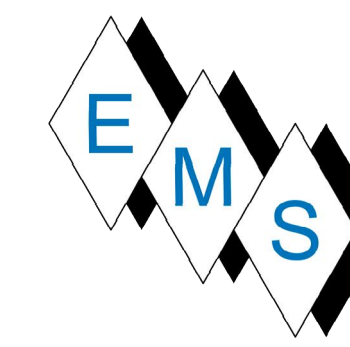
NOTES:
 1) ALL SPIRAL ROUND DUCT IS MCGILL AS SPECIFIED. ALL EXPOSED SUPPLY DUCT IS DOUBLE WALL, AND ALL EXPOSED RETURN/EXHAUST DUCT IS SINGLE WALL - UNINSULATED.
 2) EXPOSED DUCTS ARE PAINTABLE GALVANEAL; CONCEALED DUCTS ARE GALVANIZED.
 3) ALL DOUBLE WALL SPIRAL DUCTS LIST THE ID SIZE. ALL ELEVATIONS LISTED ARE TO THE ID DIMENSION. THUS, THE ADJUSTED TRUE B.O.D. IS -1" AND TRUE T.O.D. IS +1"
 4) ALL INTERNALLY LINED DUCTS ARE LISTED AS "OD"; THUS, THE ID IS TO BE CALCULATED BY SUBTRACTING 3" FROM LISTED SIZES.
 5) ALL EXTERNALLY INSULATED DUCTS ARE LISTED AS BARE OD. ALL ELEVATIONS ARE TO THE BARE DUCT OD. THUS, THE ADJUSTED TRUE B.O.D. WITH INSULATION IS +2" AND TRUE T.O.D. IS +2" WHERE THE INSULATION IS APPLIED.
 6) REFER TO THE CONTRACT DRAWINGS, SPECIFICATIONS AND REVIEWED JOB SPECIFIC SUBMITTAL DATA IN CONJUNCTION WITH THESE SHOP DRAWINGS FOR ALL CONSTRUCTION ACTIVITIES.



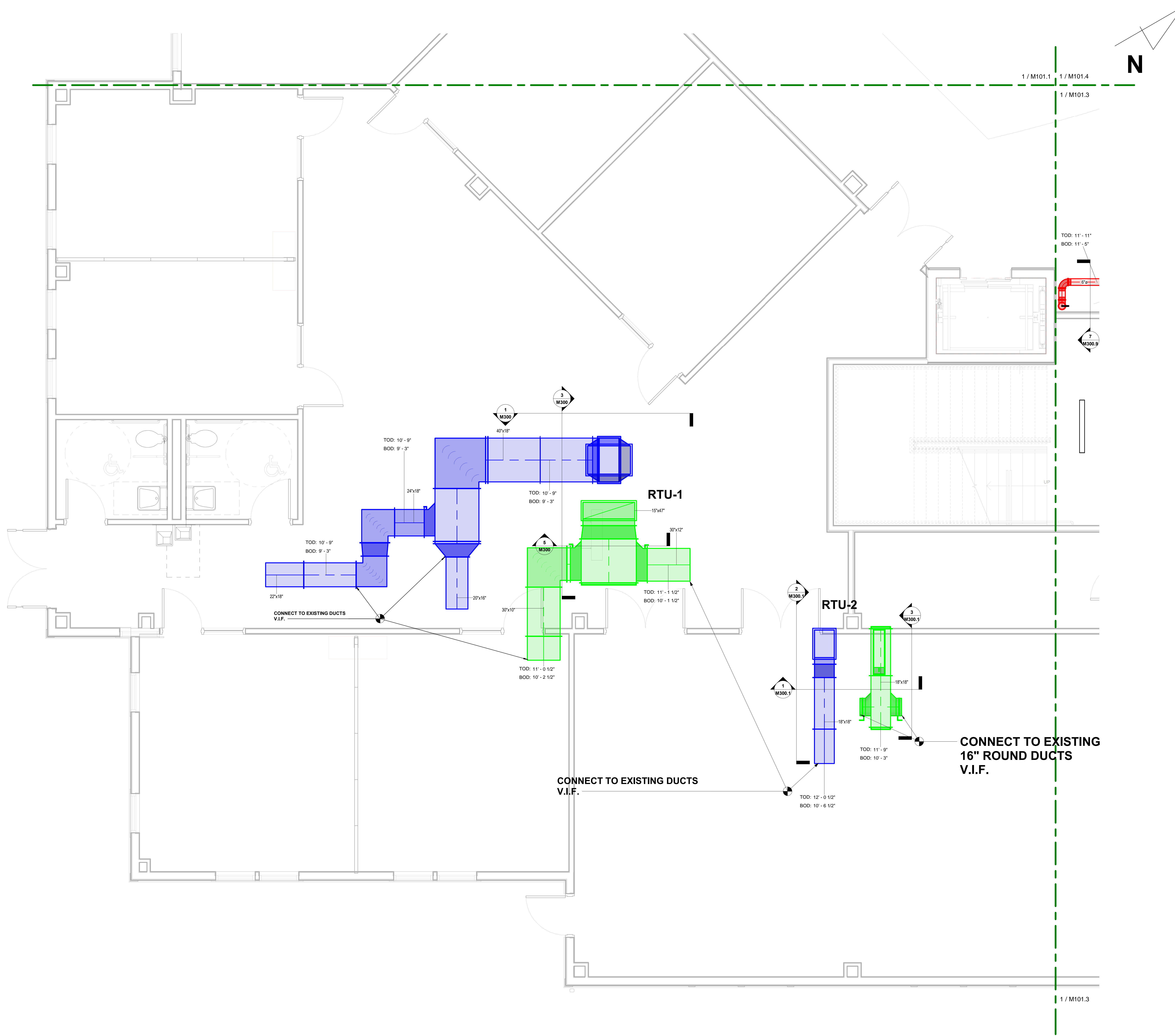
No.	Description	Date

BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR
 RENOVATIONS
 1ST FLR SW HVAC PARTIAL
 AS-BUILT PLAN

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.



COORDINATION SIGNOFF:
 FIRE PROTECTION _____
 PLUMBING _____
 ELECTRICAL _____
 HVAC _____
 SIGNOFF DATE: _____



No.	Description	Date

BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR
 RENOVATIONS

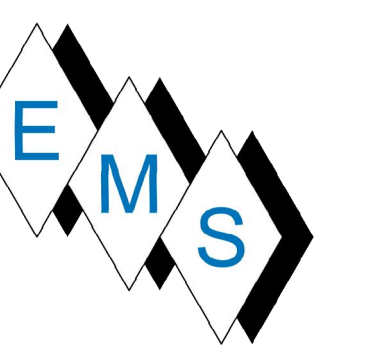
1ST FLR SE HVAC PARTIAL
 AS-BUILT PLAN

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

1 1ST FLOOR SE HVAC PARTIAL AS-BUILT
 M101.2 SCALE: 3/8" = 1'-0"

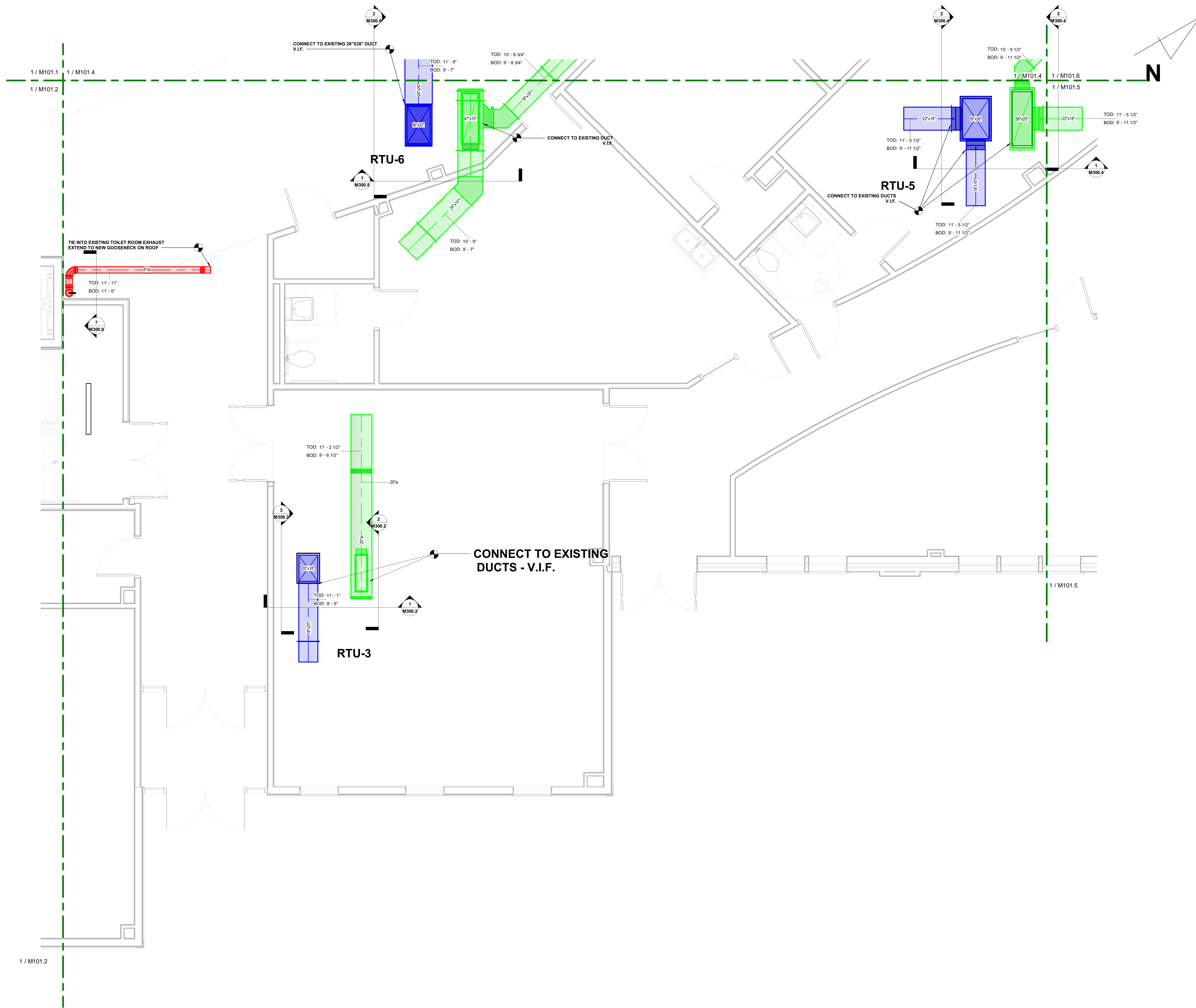
M101.2

10/23/2019 5:11:07 PM



COORDINATION SIGNOFF:

FIRE PROTECTION _____
 PLUMBING _____
 ELECTRICAL _____
 HVAC _____
 SIGNOFF DATE: _____



No.	Description	Date

**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION**

**SECOND FLOOR
 RENOVATIONS**

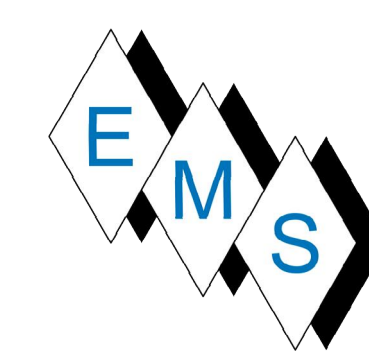
**1ST FLR MID EAST HVAC
 PARTIAL AS-BUILT PLAN**

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

M101.3

1 1ST FLOOR MID EAST HVAC PARTIAL AS-BUILT
 M101.3 SCALE: 3/8" = 1'-0"

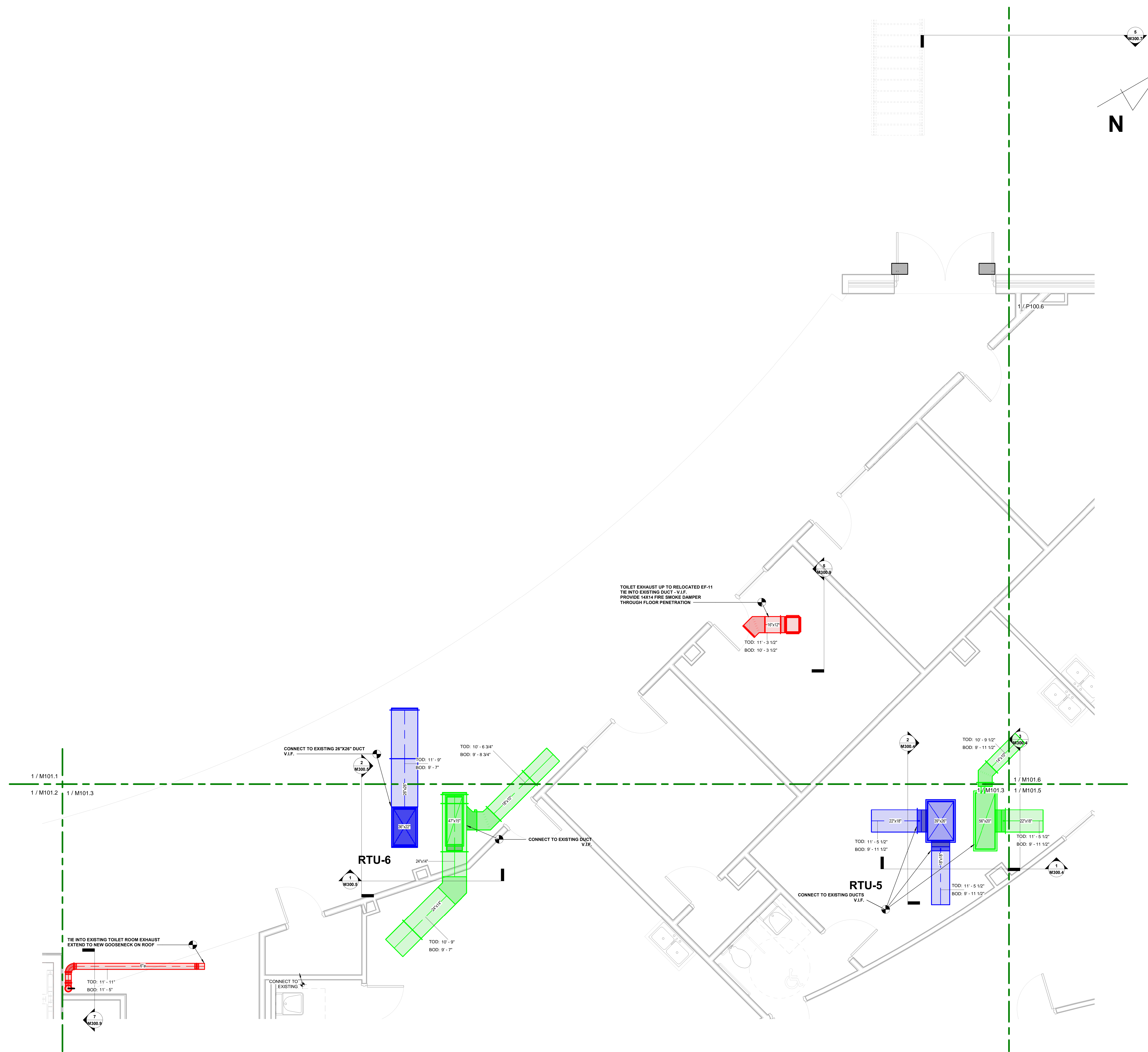
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COORDINATION SIGNOFF:

FIRE PROTECTION _____
 PLUMBING _____
 ELECTRICAL _____
 HVAC _____
 SIGNOFF DATE: _____



No.	Description	Date

BLACKROCK CONGREGATIONAL CHURCH
2ND FLOOR RENOVATION
SECOND FLOOR RENOVATIONS

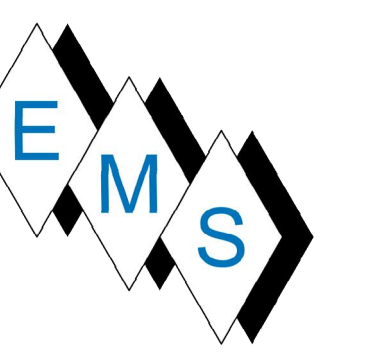
1ST FLR MID WEST HVAC PARTIAL AS-BUILT PLAN

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

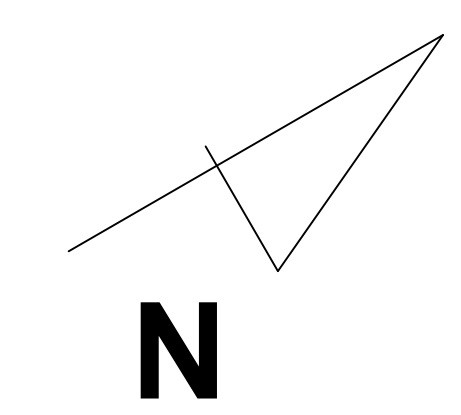
M101.4

1 1ST FLOOR MID WEST HVAC PARTIAL AS-BUILT
 M101.4 SCALE: 3/8" = 1'-0"

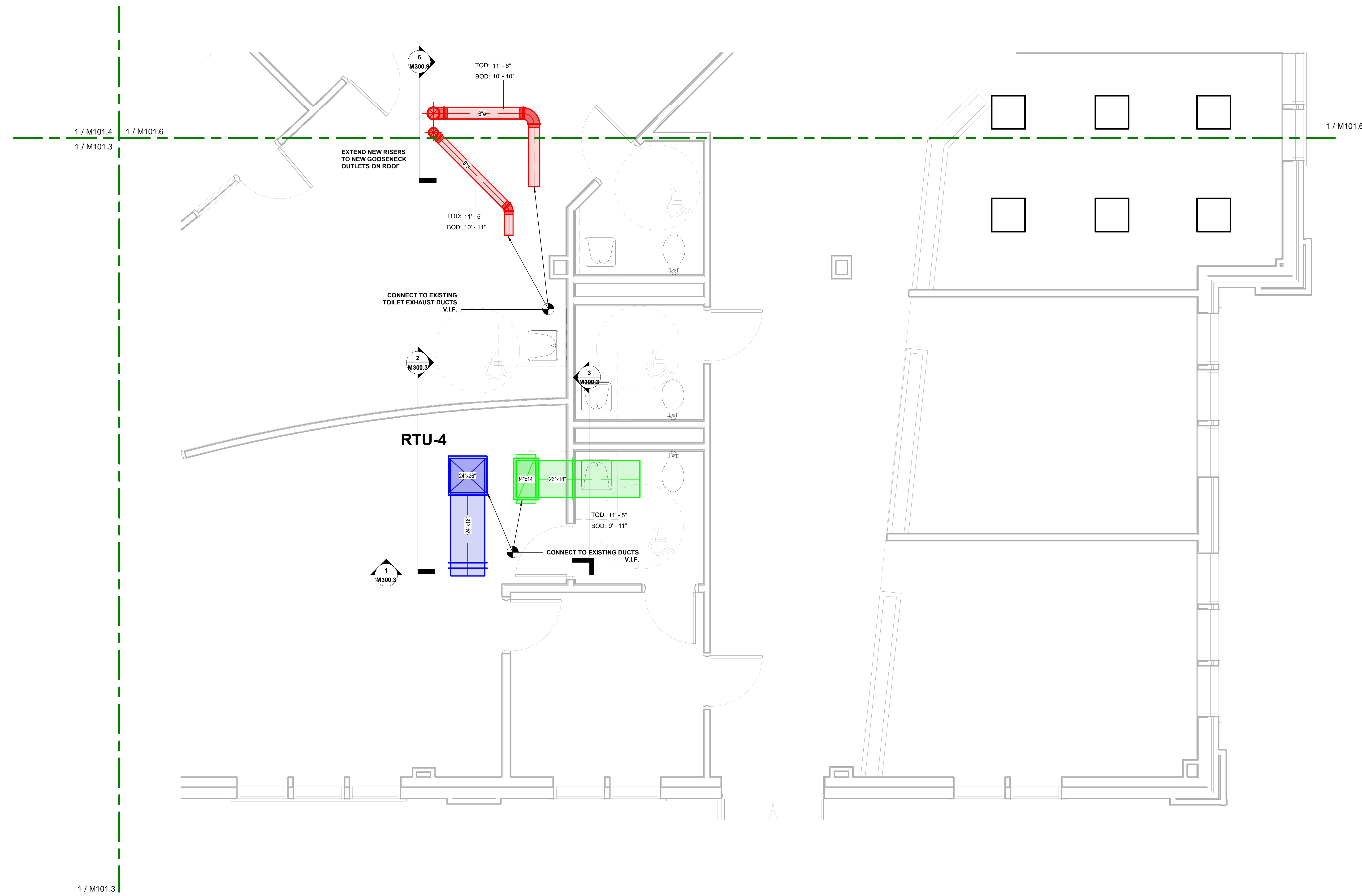
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COORDINATION SIGNOFF:
 FIRE PROTECTION _____
 PLUMBING _____
 ELECTRICAL _____
 HVAC _____
 SIGNOFF DATE: _____



1 1ST FLOOR NE HVAC PARTIAL AS-BUILT
 M101.5 SCALE 3/8" = 1'-0"

No.	Description	Date

**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION**

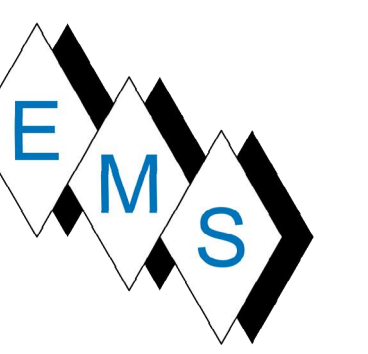
**SECOND FLOOR
 RENOVATIONS**

**1ST FLR NE HVAC PARTIAL
 AS-BUILT PLAN**

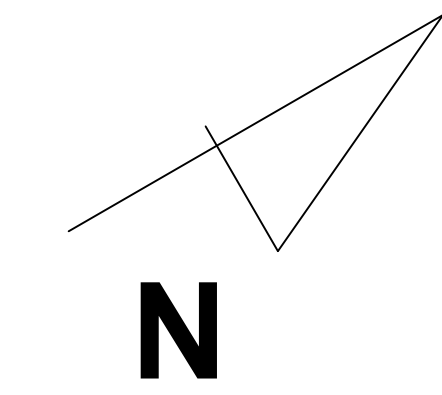
Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

M101.5

10/23/2019 5:11:36 PM

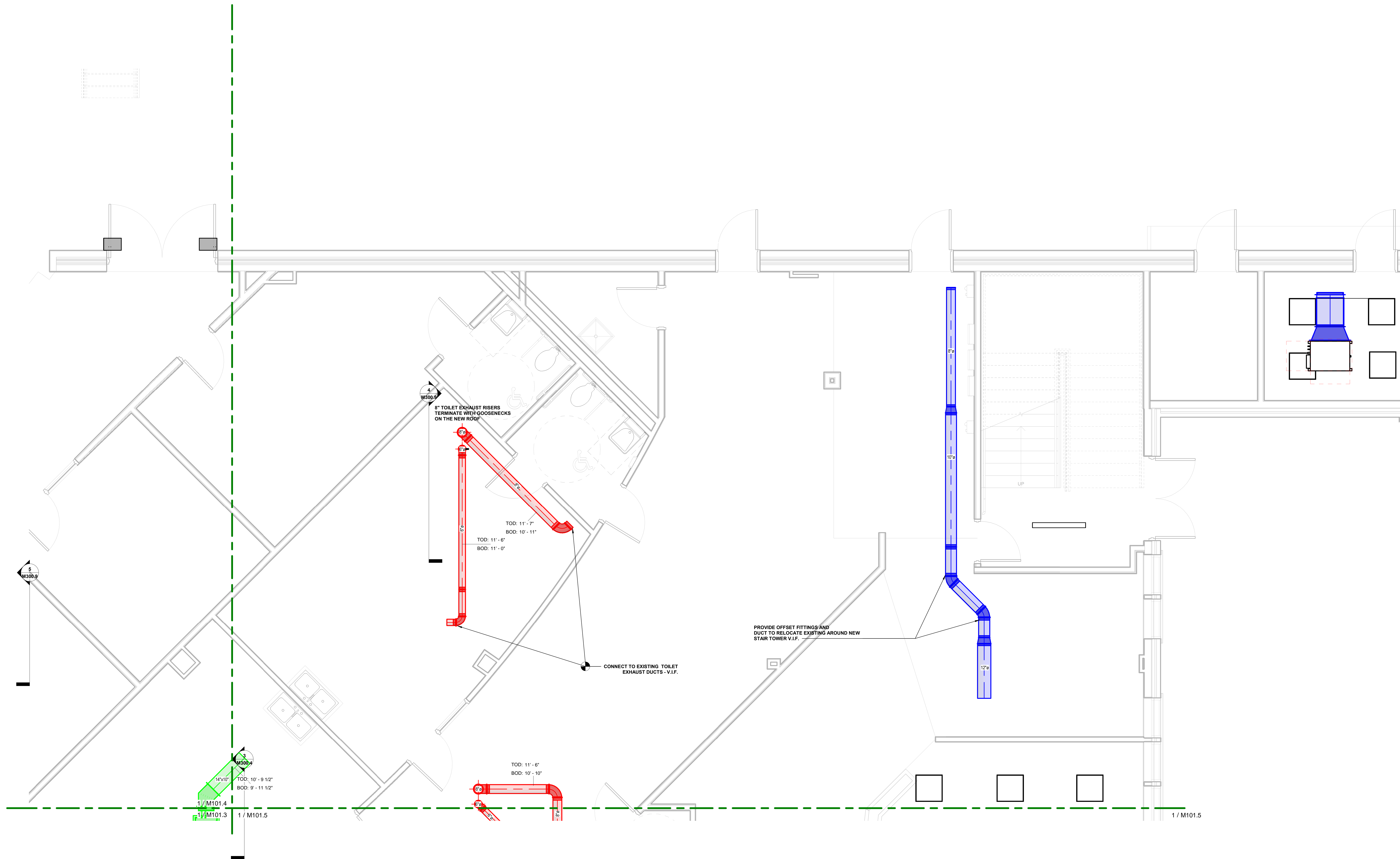


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COORDINATION SIGNOFF:

FIRE PROTECTION _____
 PLUMBING _____
 ELECTRICAL _____
 HVAC _____
 SIGNOFF DATE: _____



No.	Description	Date

**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION**

**SECOND FLOOR
 RENOVATIONS**

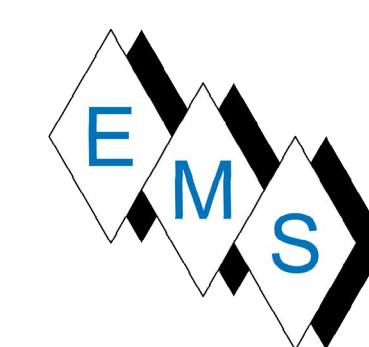
**1ST FLR NW HVAC PARTIAL
 AS-BUILT PLAN**

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

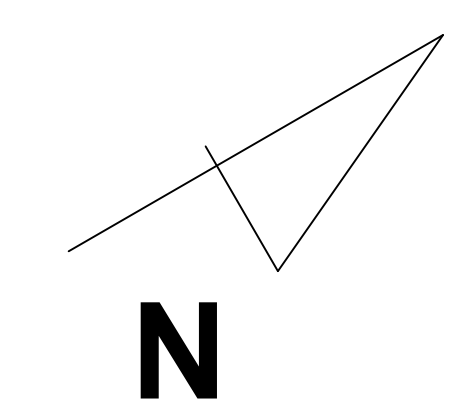
M101.6

1 1ST FLOOR NW HVAC PARTIAL AS-BUILT
 M101.6 SCALE: 3/8" = 1'-0"

10/23/2019 5:11:46 PM

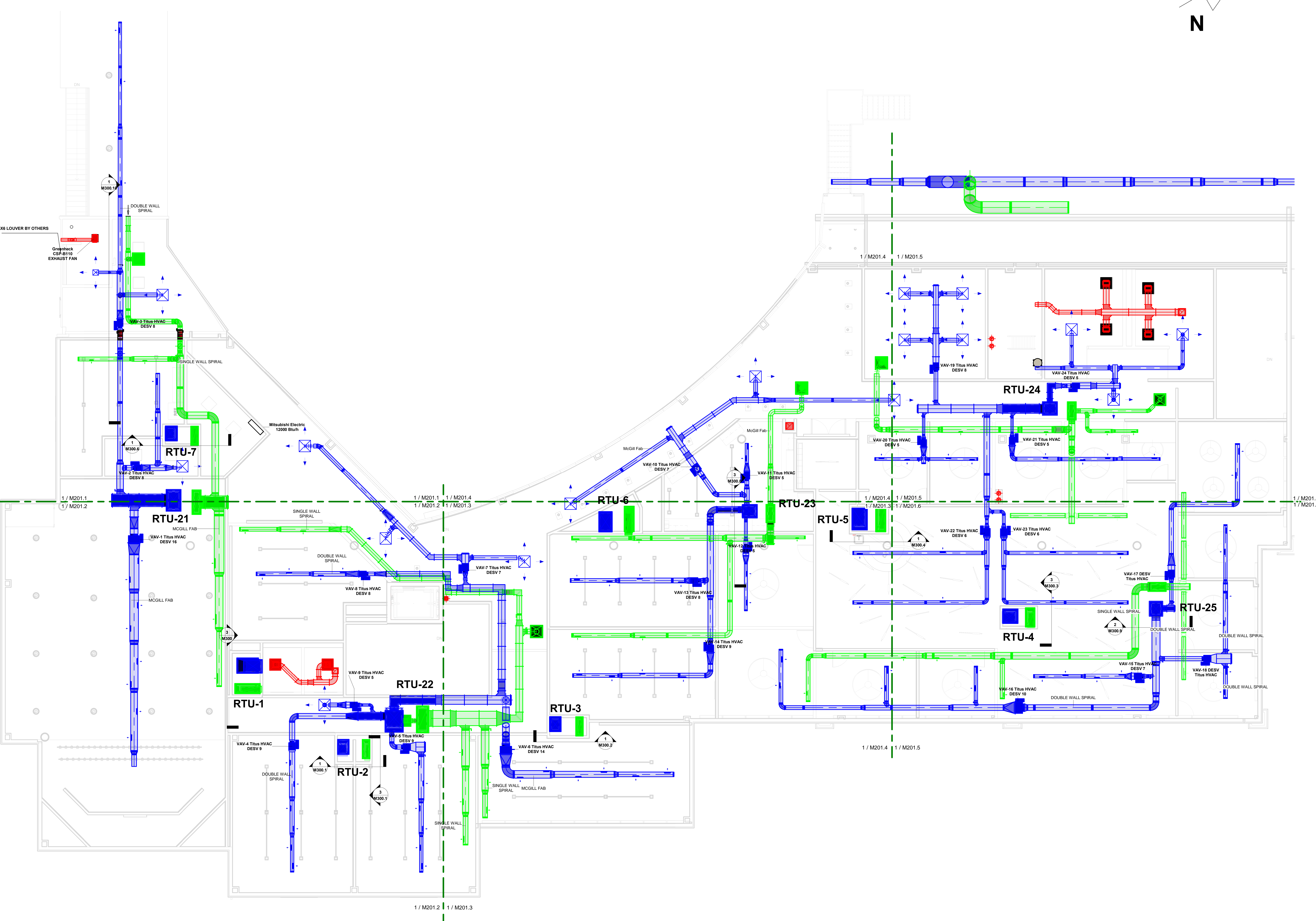


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COORDINATION SIGNOFF:
 FIRE PROTECTION _____
 PLUMBING _____
 ELECTRICAL _____
 HVAC _____
 SIGNOFF DATE: _____

NOTES:
 1) ALL SPIRAL ROUND DUCT IS MCGILL AS SPECIFIED. ALL EXPOSED SUPPLY DUCT IS DOUBLE WALL AND ALL EXPOSED RETURN/EXHAUST DUCT IS SINGLE WALL - UNINSULATED.
 2) EXPOSED DUCTS ARE PAINTABLE GALVANEAL; CONCEALED DUCTS ARE GALVANIZED.
 3) ALL DOUBLE WALL SPIRAL DUCTS LIST THE ID SIZE. ALL ELEVATIONS LISTED ARE TO THE ID DIMENSION. THUS, THE ADJUSTED TRUE B.O.D. IS -1" AND TRUE T.O.D. IS +1"
 4) ALL INTERNALLY LINED DUCTS ARE SIZED TO THE FREE AREA DIMENSIONS DEPICTED ON THE CONTRACT PLANS.
 5) ALL EXTERNALLY INSULATED DUCTS ARE LISTED AS BARE OD. ALL ELEVATIONS ARE TO THE BARE DUCT OD. THUS, THE ADJUSTED TRUE B.O.D. WITH INSULATION IS -7" AND TRUE T.O.D. IS +2" WHERE THE INSULATION IS APPLIED.
 6) REFER TO THE CONTRACT DRAWINGS, SPECIFICATIONS AND REVIEWED JOB SPECIFIC SUBMITTAL DATA IN CONJUNCTION WITH THESE SHOP DRAWINGS FOR ALL CONSTRUCTION ACTIVITIES.

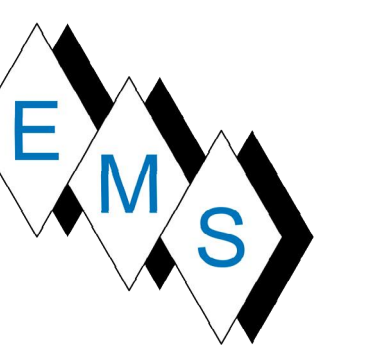


No.	Description	Date

BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR
 RENOVATIONS

2ND FLR COORDINATION
 HVAC AS-BUILT PLAN

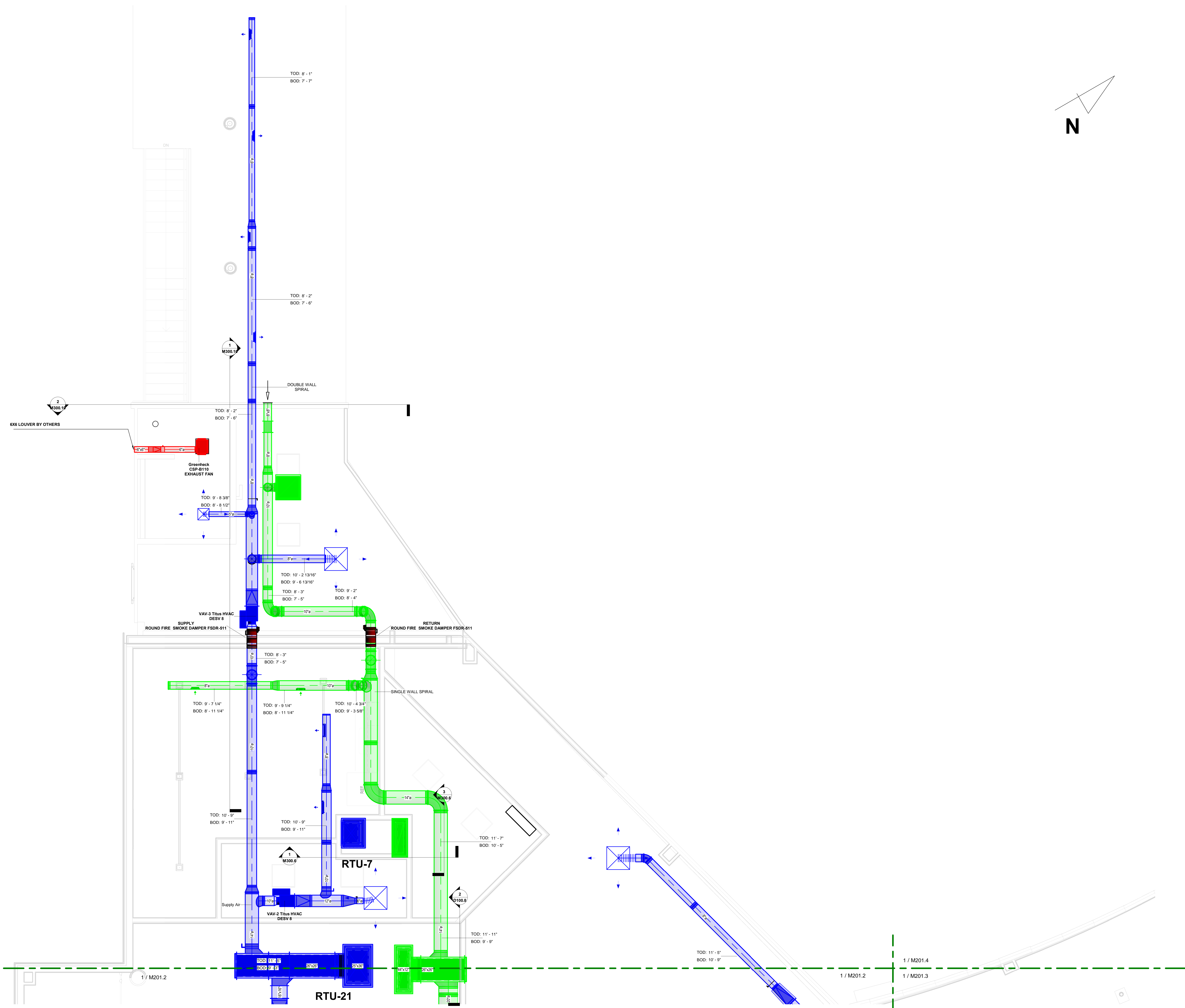
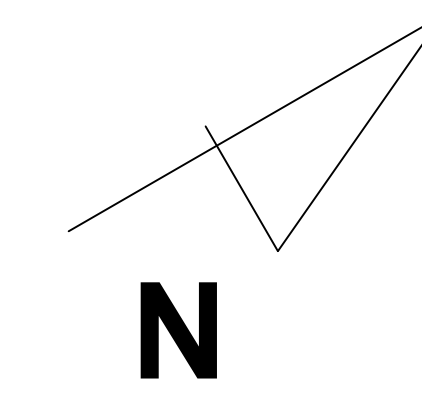
Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.



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COORDINATION SIGNOFF:

FIRE PROTECTION _____
 PLUMBING _____
 ELECTRICAL _____
 HVAC _____
 SIGNOFF DATE: _____



No.	Description	Date

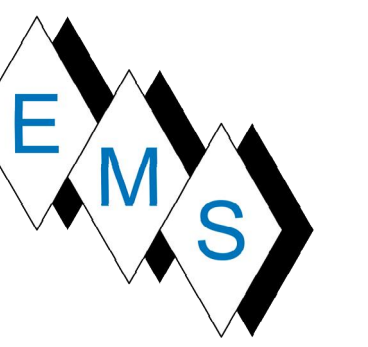
**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION**

**SECOND FLOOR
 RENOVATIONS**

**2ND FLR SW HVAC
 PARTIAL AS-BUILT PLAN**

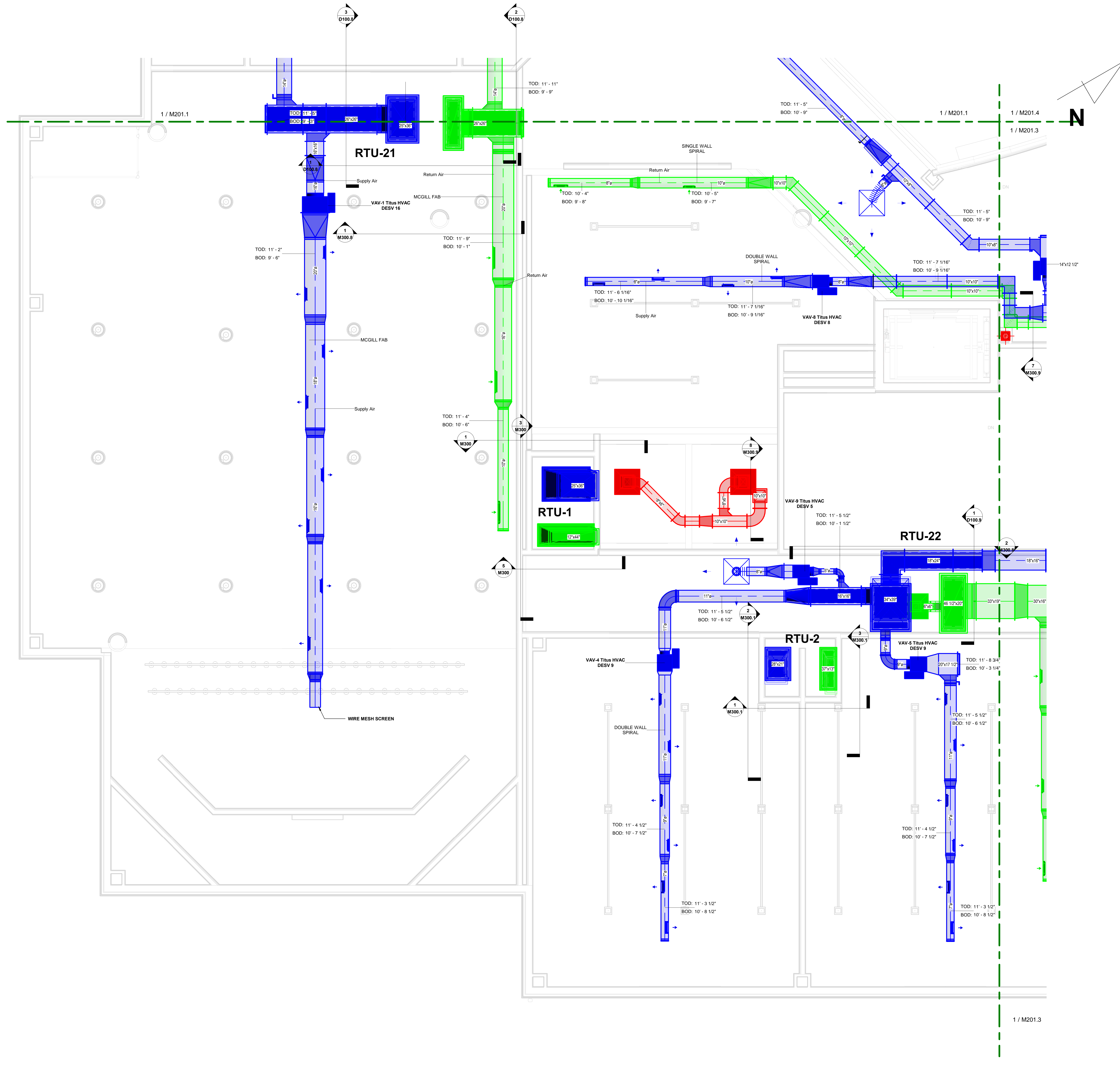
Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

M201.1



COORDINATION SIGNOFF:

FIRE PROTECTION _____
 PLUMBING _____
 ELECTRICAL _____
 HVAC _____
 SIGNOFF DATE: _____



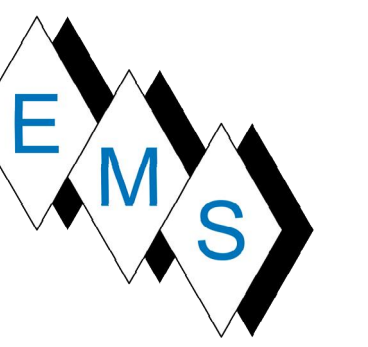
No.	Description	Date

**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR
 RENOVATIONS**

**2ND FLR SE HVAC PARTIAL
 AS-BUILT PLAN**

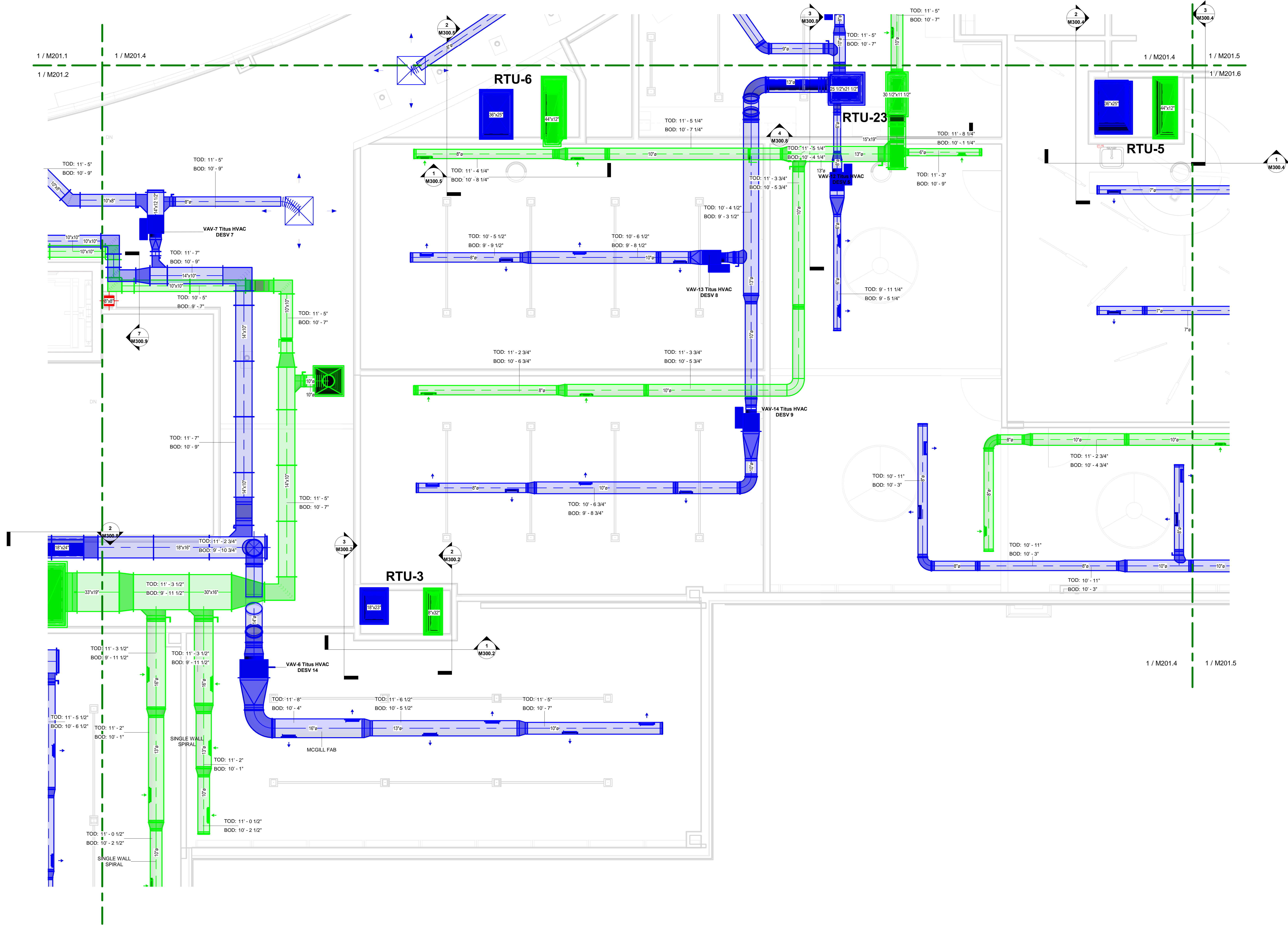
Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

M201.2



COORDINATION SIGNOFF:

FIRE PROTECTION _____
 PLUMBING _____
 ELECTRICAL _____
 HVAC _____
 SIGNOFF DATE: _____



1 2ND FLOOR MID EAST SECTION
 M201.3 SCALE: 3/8" = 1'-0"

No.	Description	Date

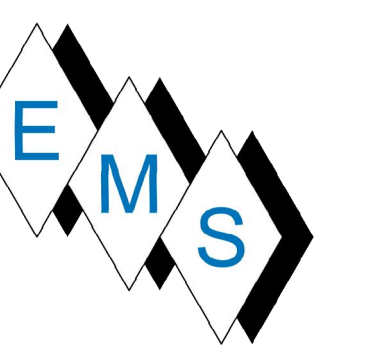
**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION**

**SECOND FLOOR
 RENOVATIONS**

**2ND FLR MID EAST HVAC
 PARTIAL AS-BUILT PLAN**

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

M201.3



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COORDINATION SIGNOFF:

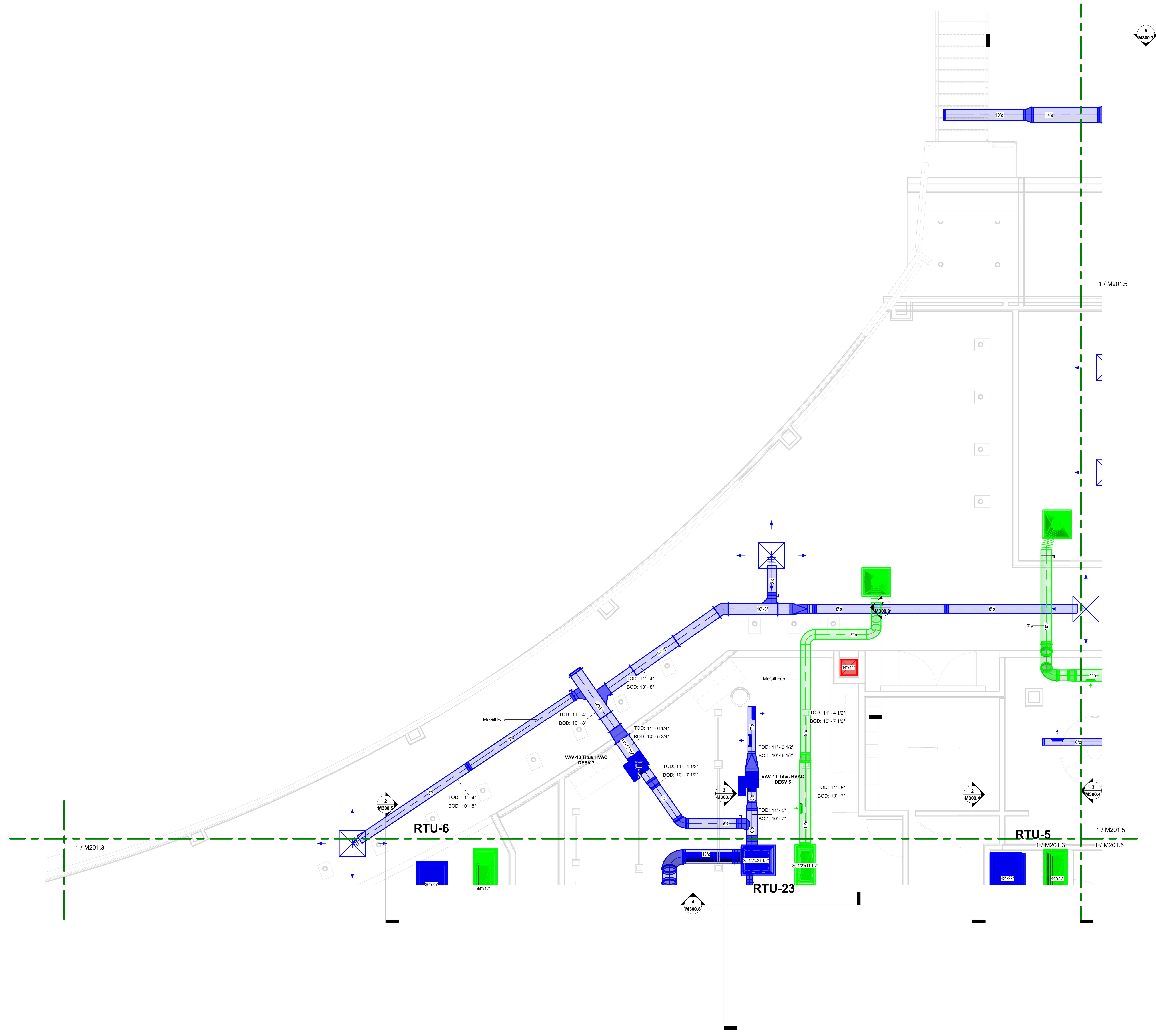
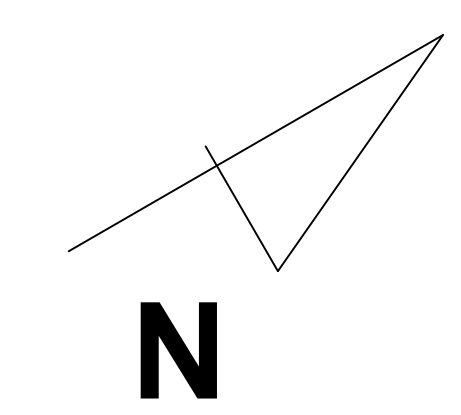
FIRE PROTECTION _____

PLUMBING _____

ELECTRICAL _____

HVAC _____

SIGNOFF DATE: _____



No.	Description	Date

BLACKROCK CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR RENOVATIONS

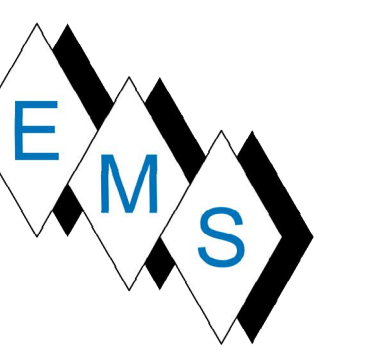
2ND FLR MID WEST HVAC
 PARTIAL AS-BUILT PLAN

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

1 2ND FLOOR MID WEST SECTION
 M201.4 SCALE: 3/8" = 1'-0"

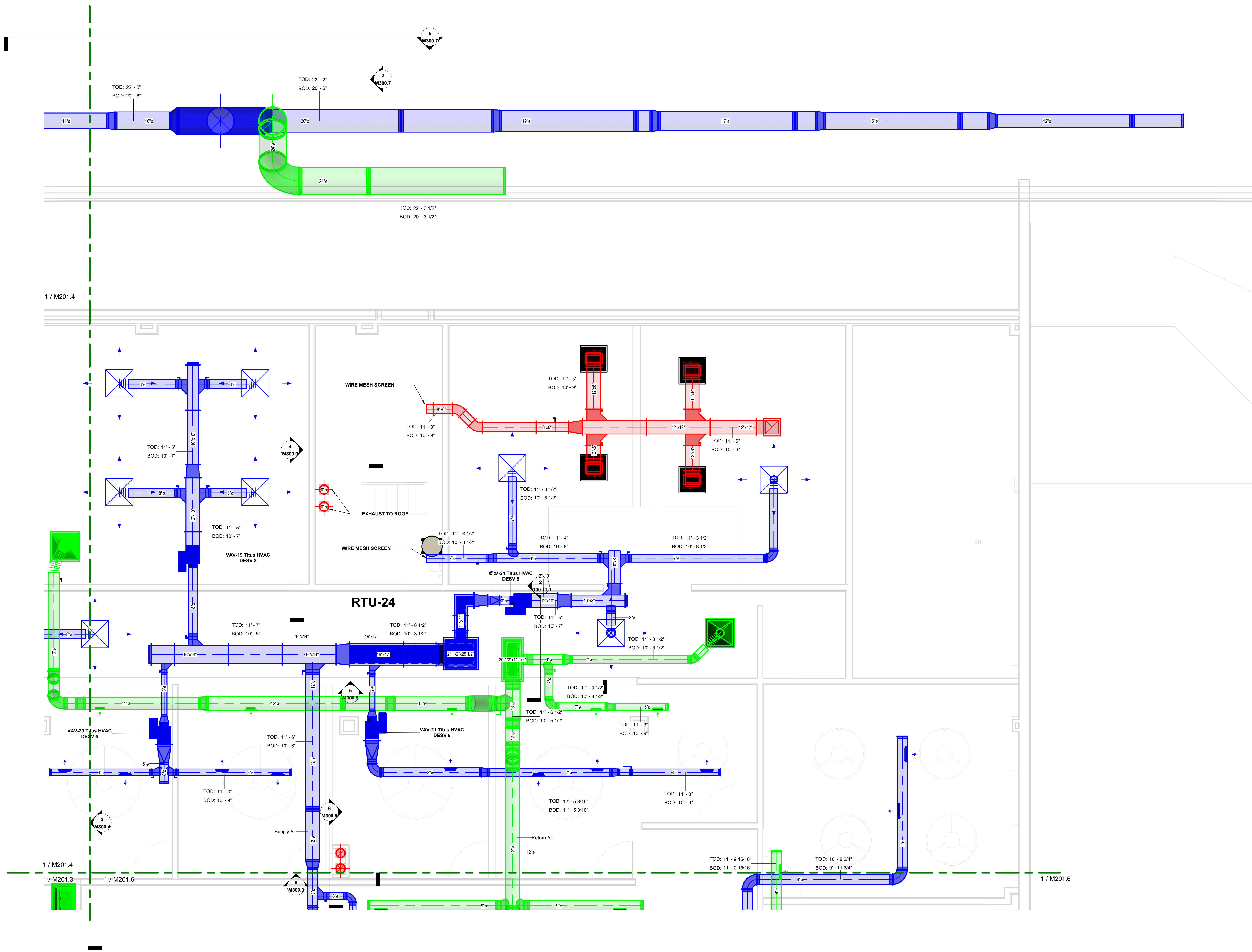
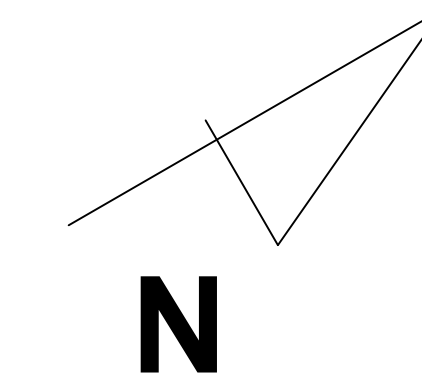
M201.4

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COORDINATION SIGNOFF:

FIRE PROTECTION _____
 PLUMBING _____
 ELECTRICAL _____
 HVAC _____
 SIGNOFF DATE: _____

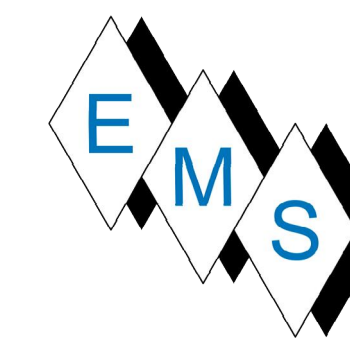


No.	Description	Date

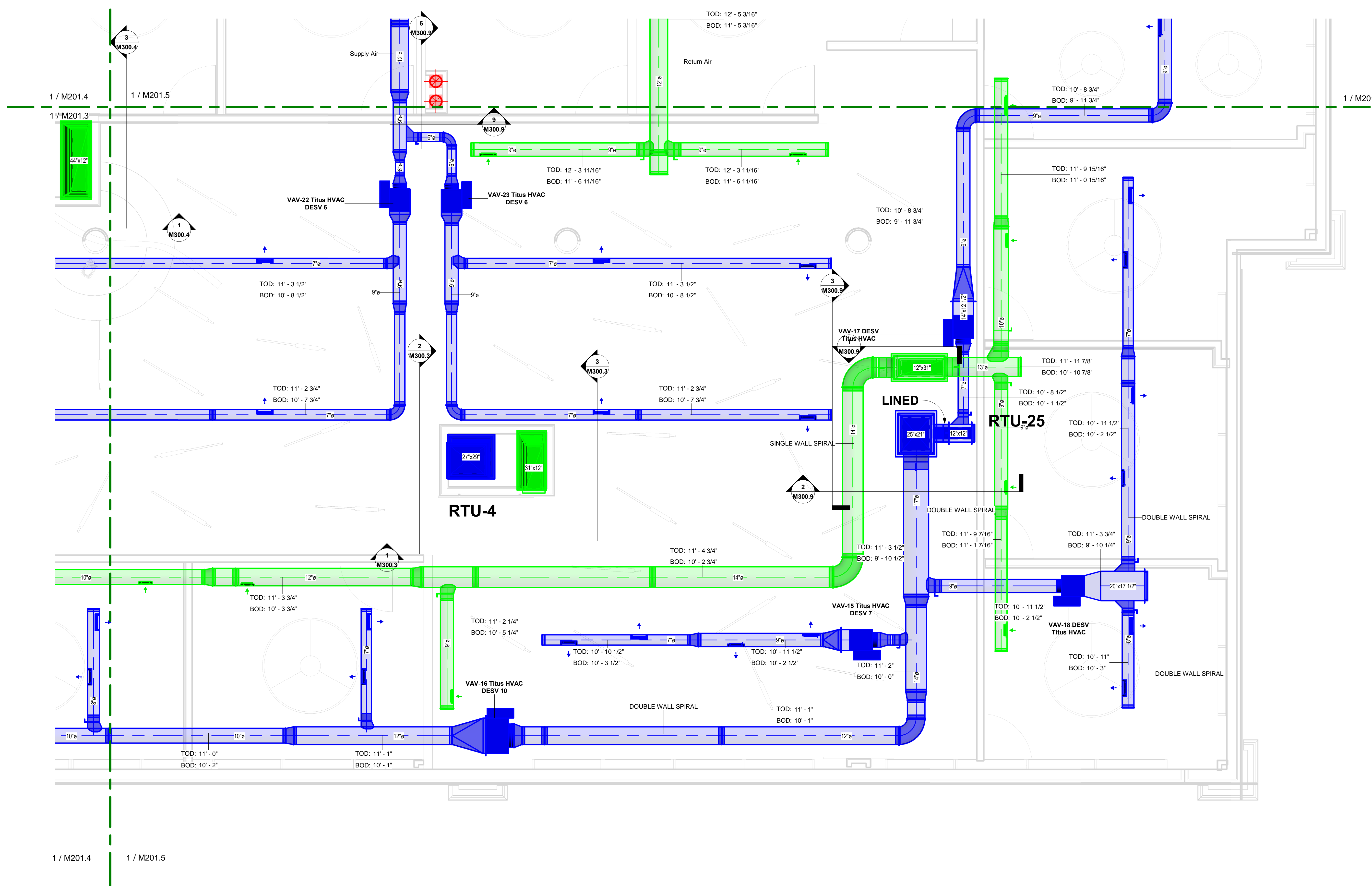
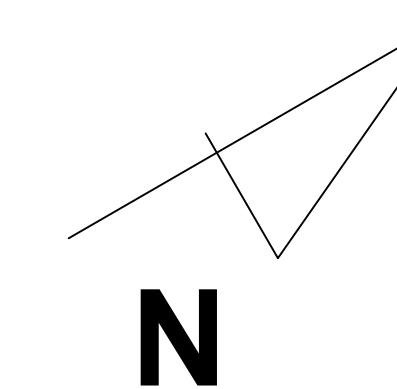
**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR
 RENOVATIONS**

**2ND FLR NW HVAC
 PARTIAL AS-BUILT PLAN**

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.



COORDINATION SIGNOFF:
 FIRE PROTECTION _____
 PLUMBING _____
 ELECTRICAL _____
 HVAC _____
 SIGNOFF DATE: _____



1 2ND FLOOR NE END
 M201.6 SCALE 3/8" = 1'-0"

No.	Description	Date

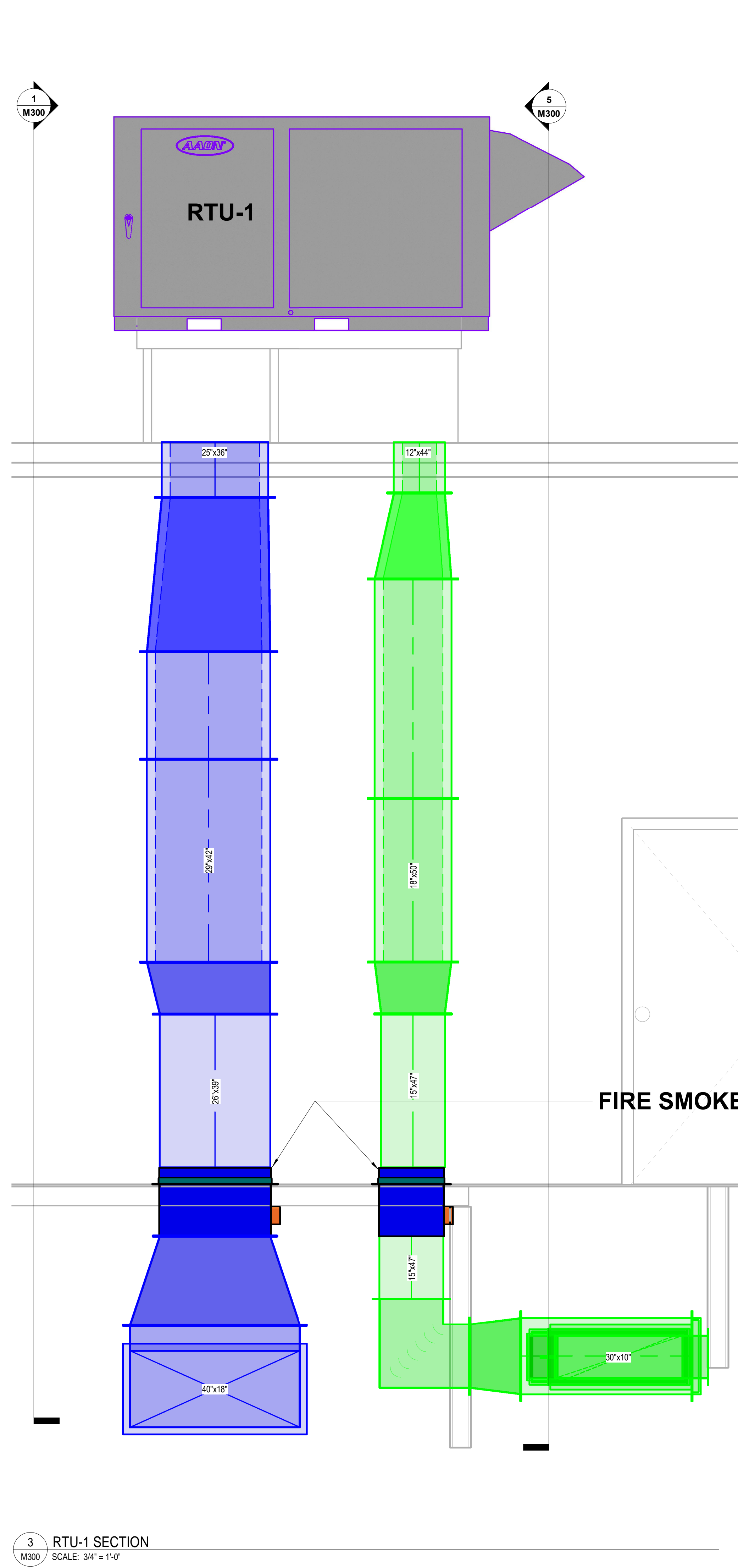
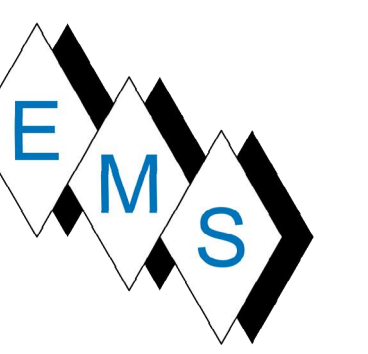
BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR
 RENOVATIONS

2ND FLR NE HVAC PARTIAL
 AS-BUILT PLAN

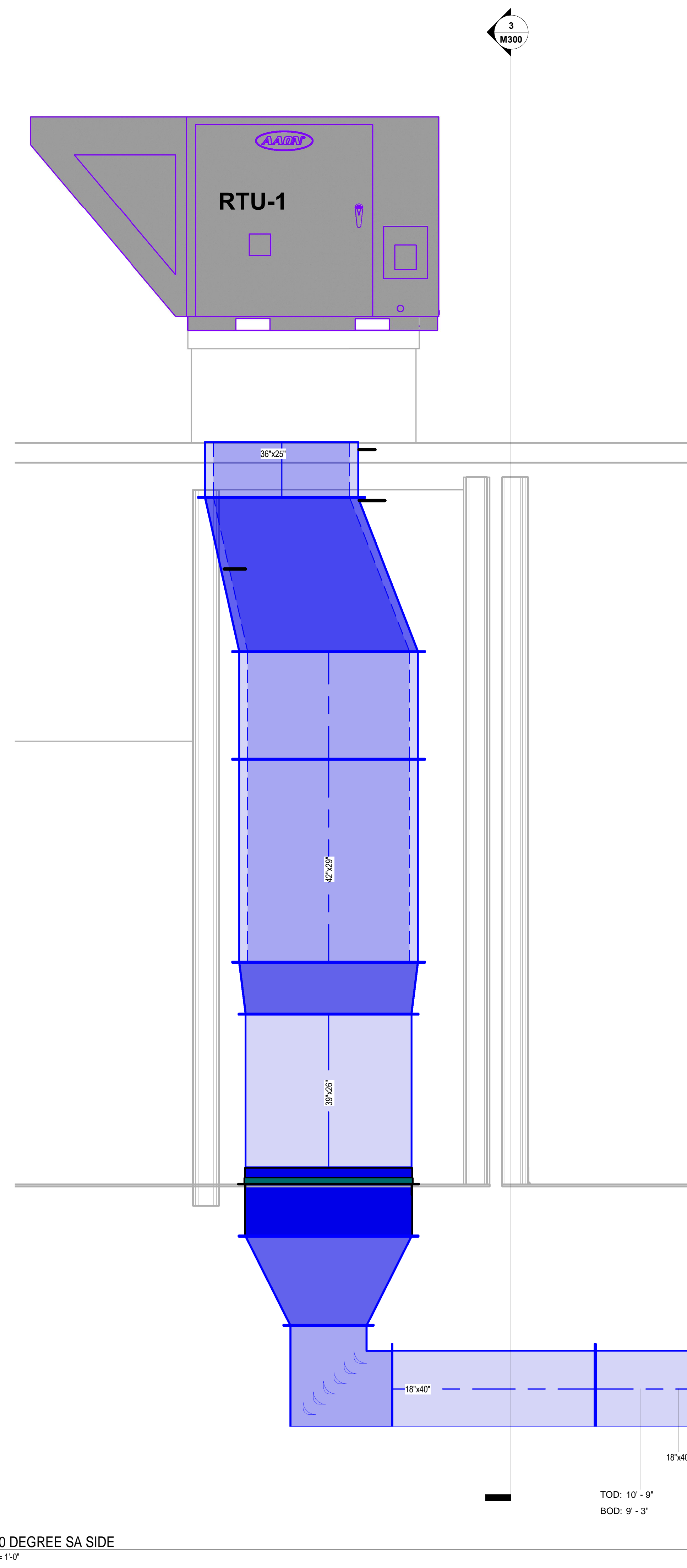
Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

M201.6

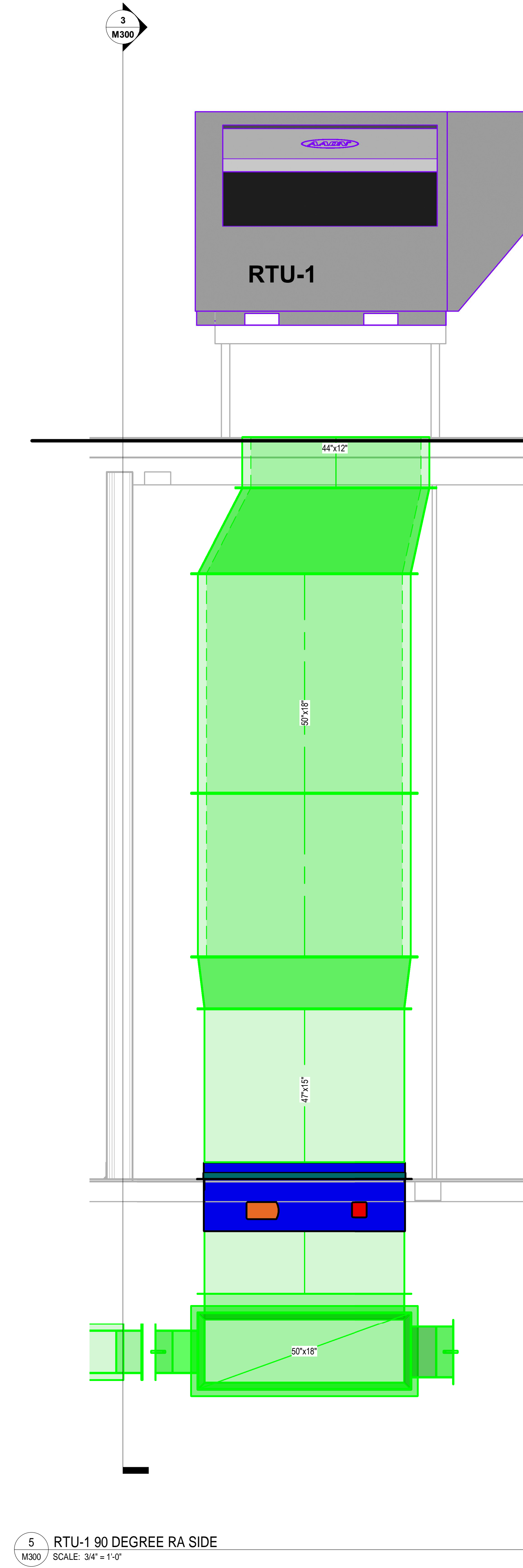
10/23/2019 5:13:12 PM



3 RTU-1 SECTION
 M300 SCALE: 3/4" = 1'-0"



1 RTU-1 90 DEGREE SA SIDE
 M300 SCALE: 3/4" = 1'-0"



5 RTU-1 90 DEGREE RA SIDE
 M300 SCALE: 3/4" = 1'-0"

- NOTES:
- 1) ALL SPIRAL ROUND DUCT IS MCQUILL AS SPECIFIED. ALL EXPOSED SUPPLY DUCT IS DOUBLE WALL, AND ALL EXPOSED RETURN/EXHAUST DUCT IS SINGLE WALL - UNINSULATED.
 - 2) EXPOSED DUCTS ARE PAINTABLE GALVANEALIZED; CONCEALED DUCTS ARE GALVANIZED.
 - 3) ALL DOUBLE WALL SPIRAL DUCTS LIST THE ID SIZE. ALL ELEVATIONS LISTED ARE TO THE ID DIMENSION. THUS, THE ADJUSTED TRUE B.O.D. IS -1" AND TRUE T.O.D. IS +1"
 - 4) ALL INTERNALLY LINED DUCTS ARE LISTED AS "OD". THUS, THE ID IS TO BE CALCULATED BY SUBTRACTING 3" FROM LISTED SIZES.
 - 5) ALL EXTERNALLY INSULATED DUCTS ARE LISTED AS BARE OD. ALL ELEVATIONS ARE TO THE BARE DUCT OD. THUS, THE ADJUSTED TRUE B.O.D. WITH INSULATION IS - 2" AND TRUE T.O.D. IS +2" WHERE THE INSULATION IS APPLIED.
 - 6) REFER TO THE CONTRACT DRAWINGS, SPECIFICATIONS AND REVIEWED JOB SPECIFIC SUBMITTAL DATA IN CONJUNCTION WITH THESE SHOP DRAWINGS FOR ALL CONSTRUCTION ACTIVITIES.

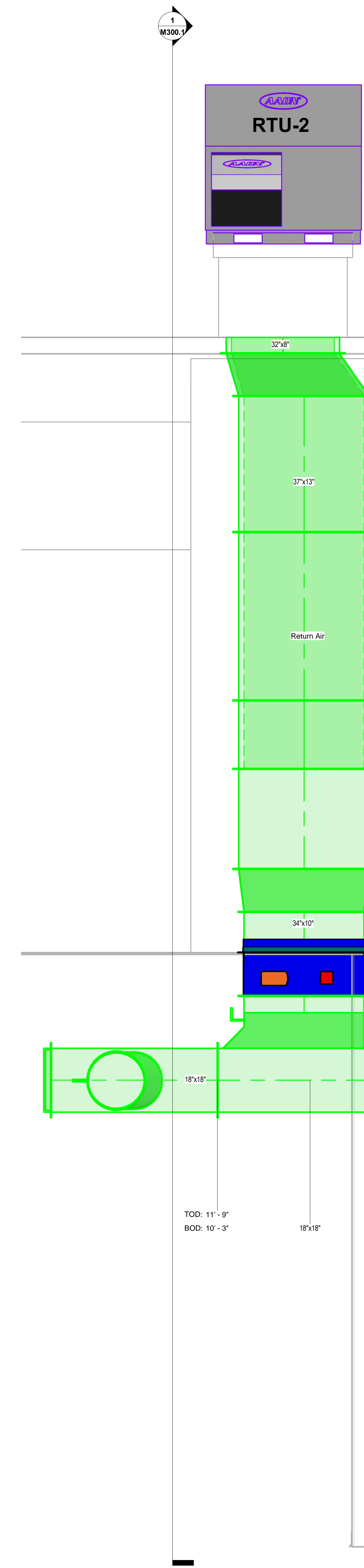
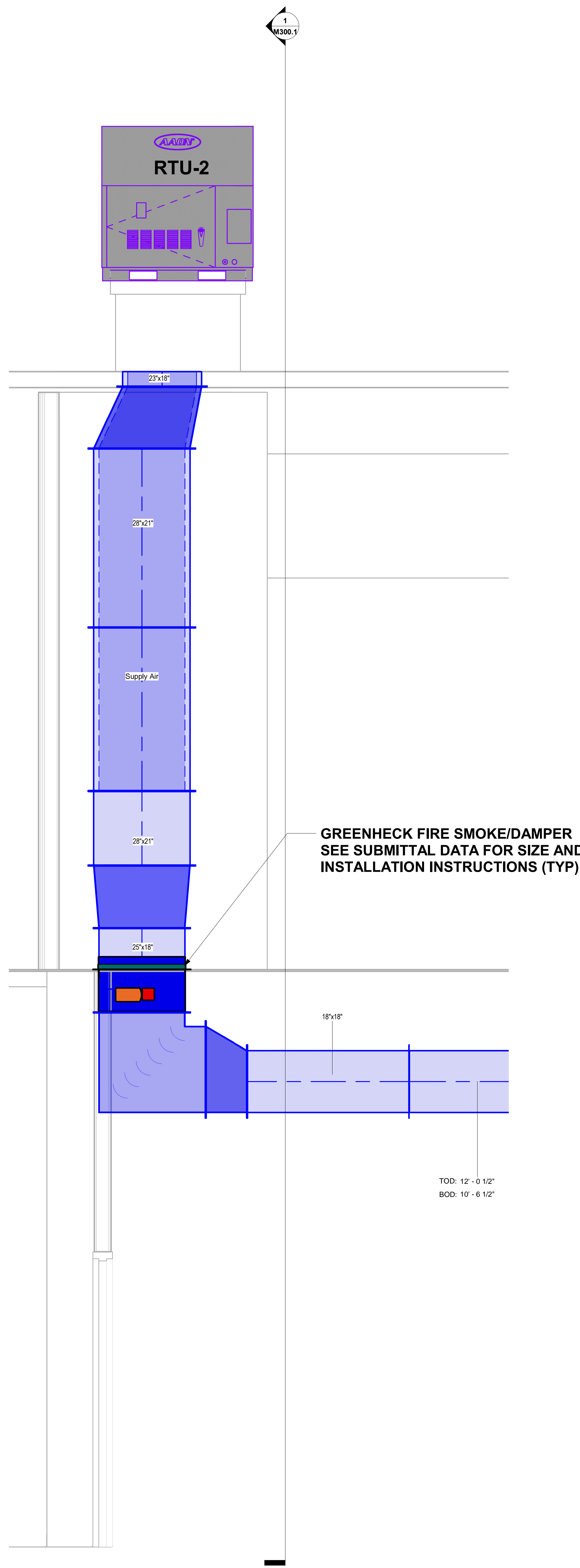
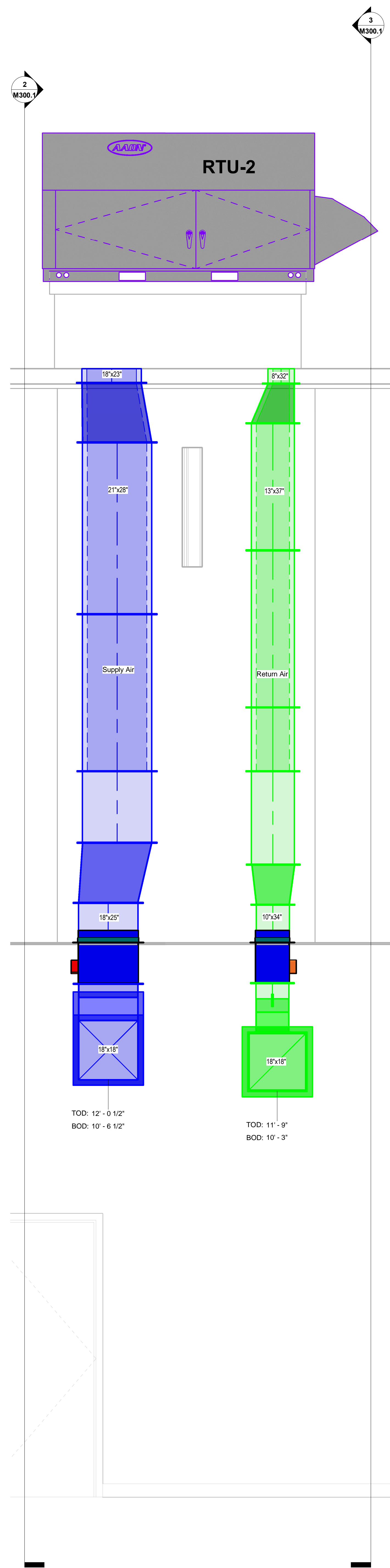
No.	Description	Date

**BLACKROCK CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR RENOVATIONS**

RTU-1 SECTION AS-BUILT

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

M300

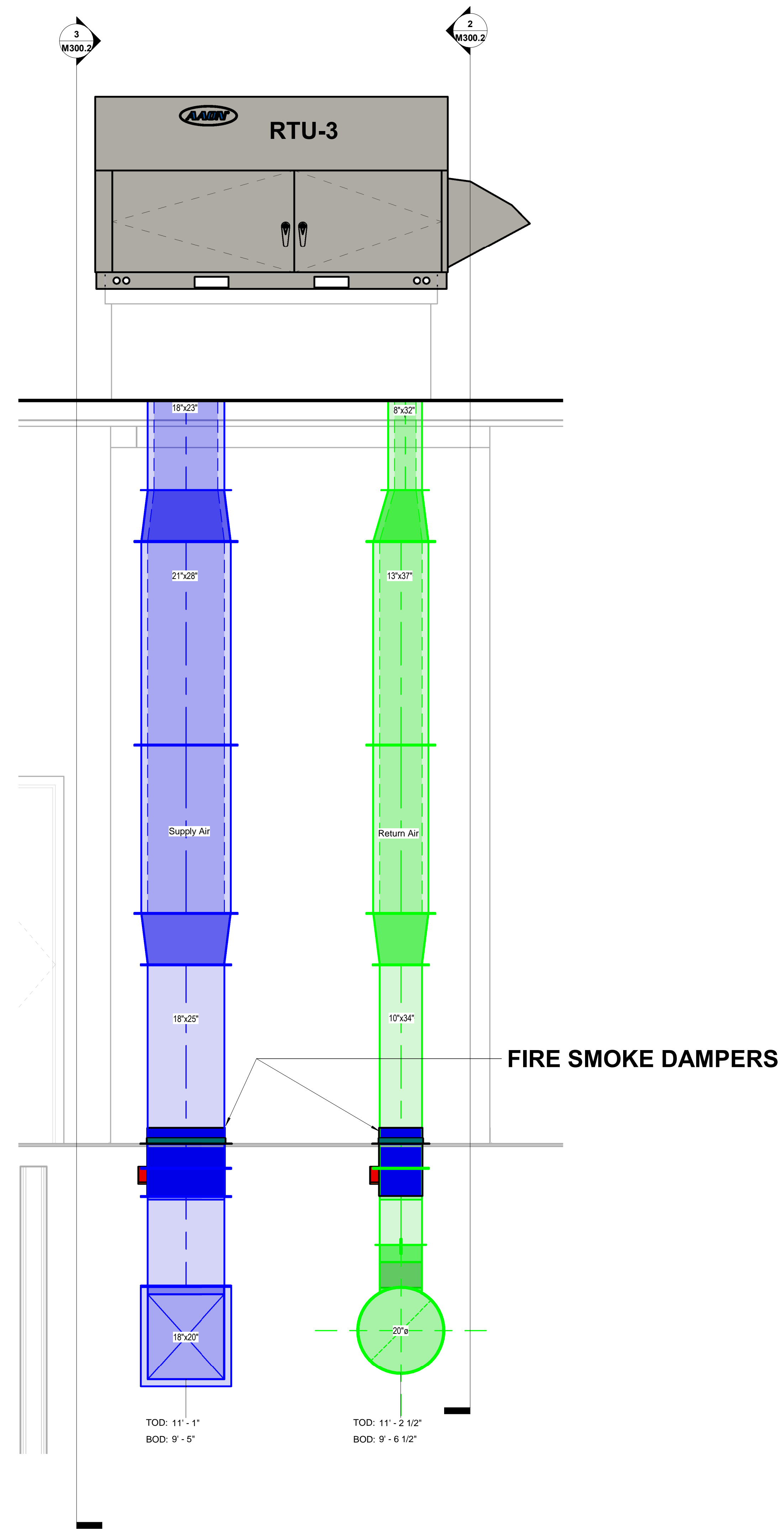
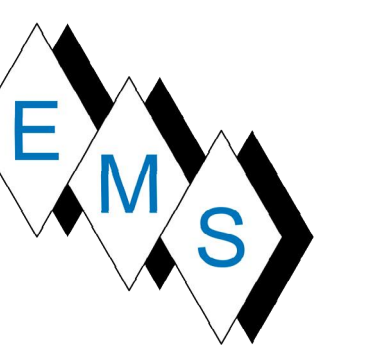


No.	Description	Date

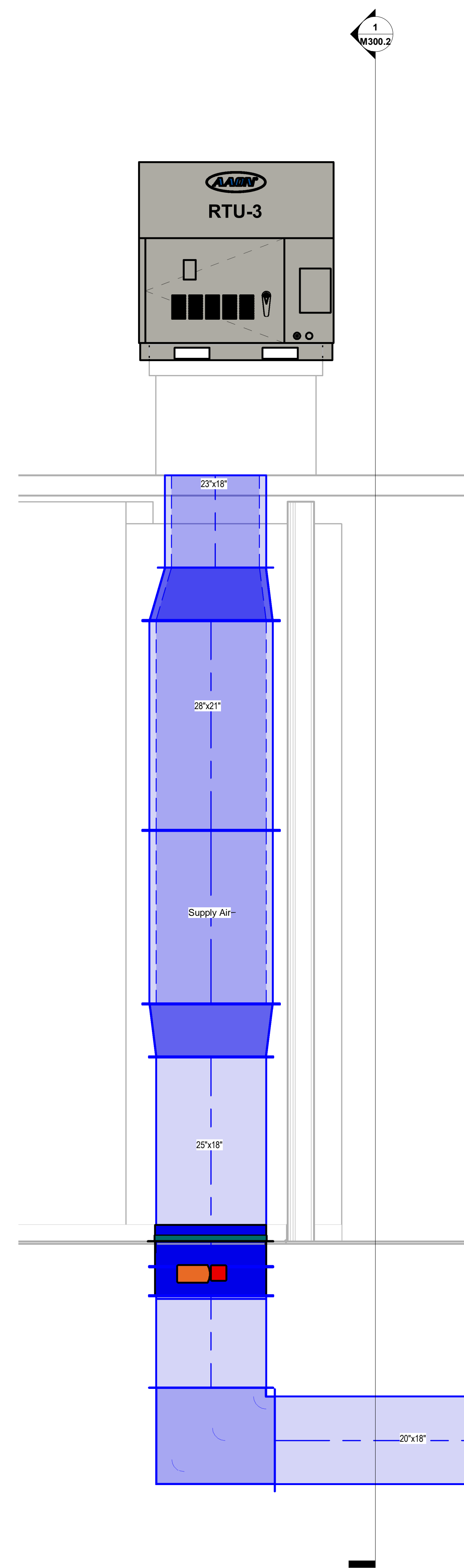
**BLACKROCK CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR RENOVATIONS**

RTU-2 SECTION AS-BUILT

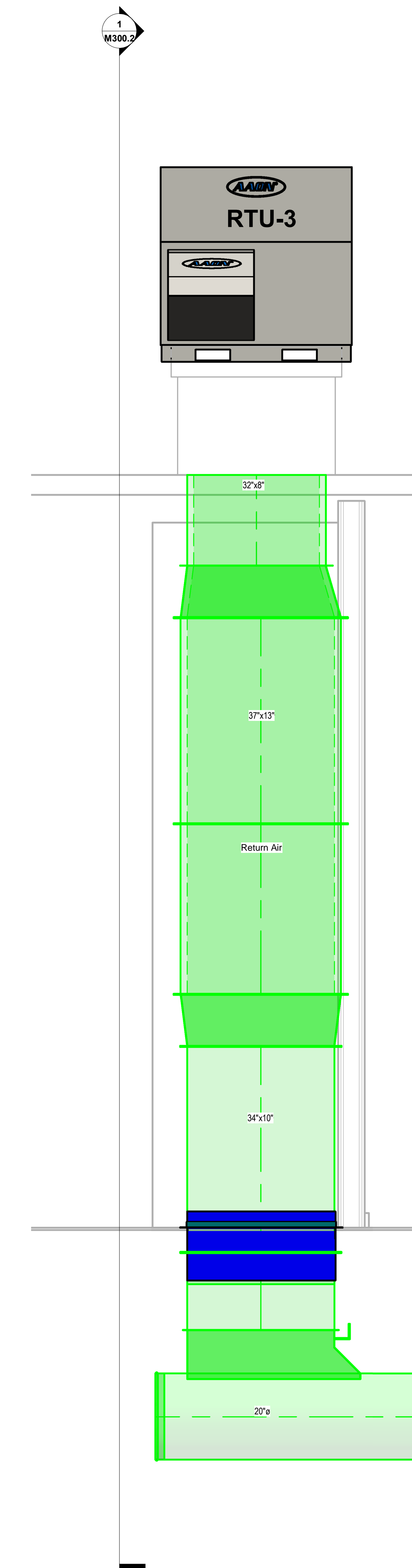
Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.



1 RTU-3 SECTION
 M300.2 SCALE: 3/4" = 1'-0"



3 RTU-3 90 DEGREE SA SIDE
 M300.2 SCALE: 3/4" = 1'-0"



2 RTU-3 90 DEGREE RA SIDE
 M300.2 SCALE: 3/4" = 1'-0"

No.	Description	Date

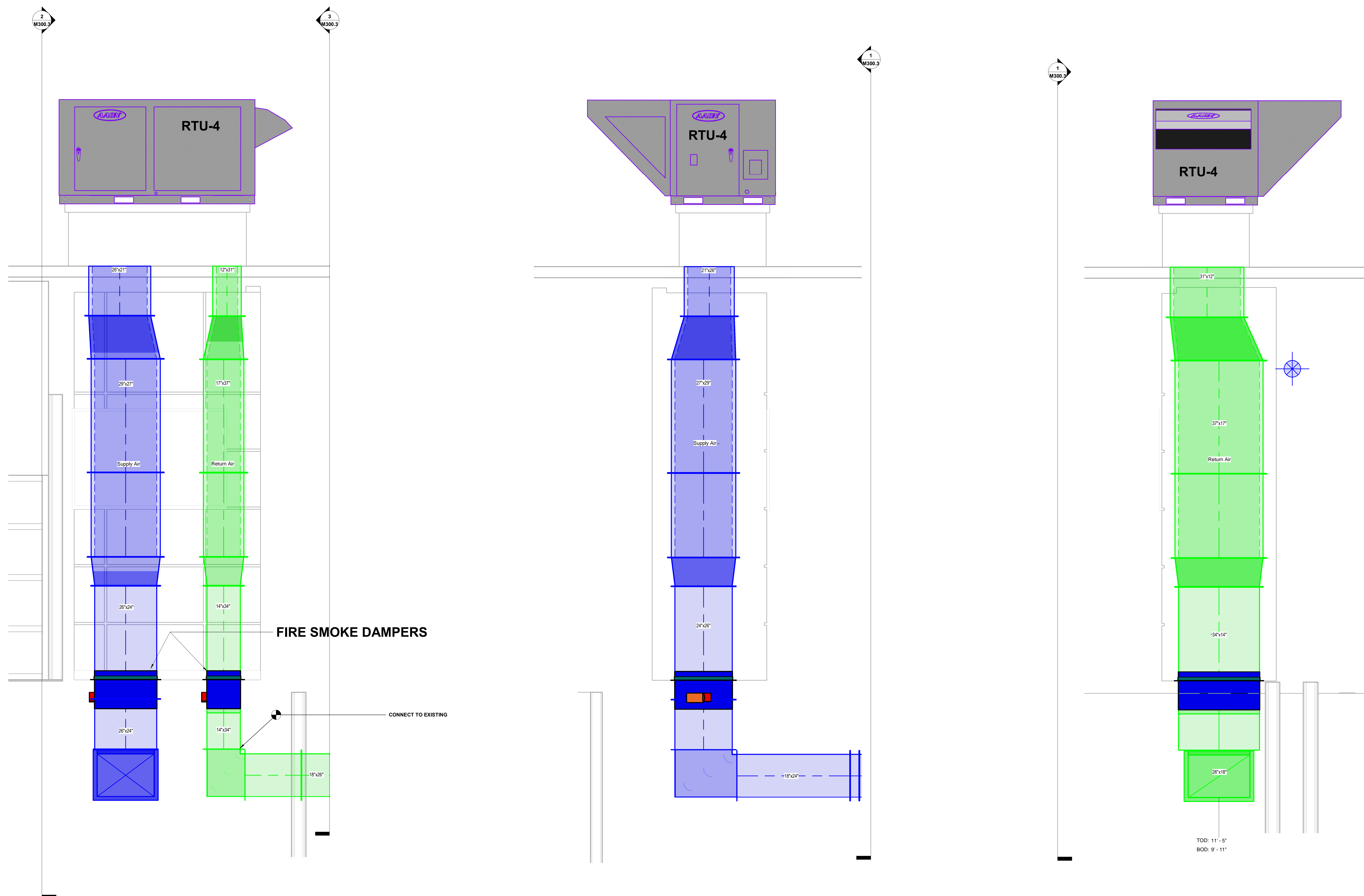
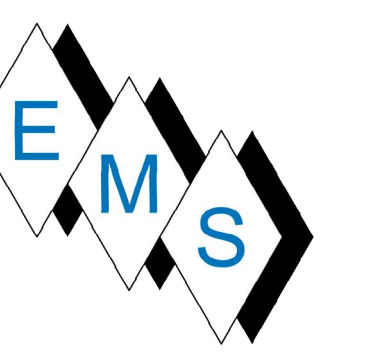
BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION

SECOND FLOOR
 RENOVATIONS

RTU-3 SECTION AS-BUILT

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

M300.2



1 RTU-4 SECTION
 M300.3 SCALE: 3/4"=1'-0"

2 RTU-4 90 DEGREE SA SIDE
 M300.3 SCALE: 3/4"=1'-0"

3 RTU-4 90 DEGREE RA SIDE
 M300.3 SCALE: 3/4"=1'-0"

No.	Description	Date

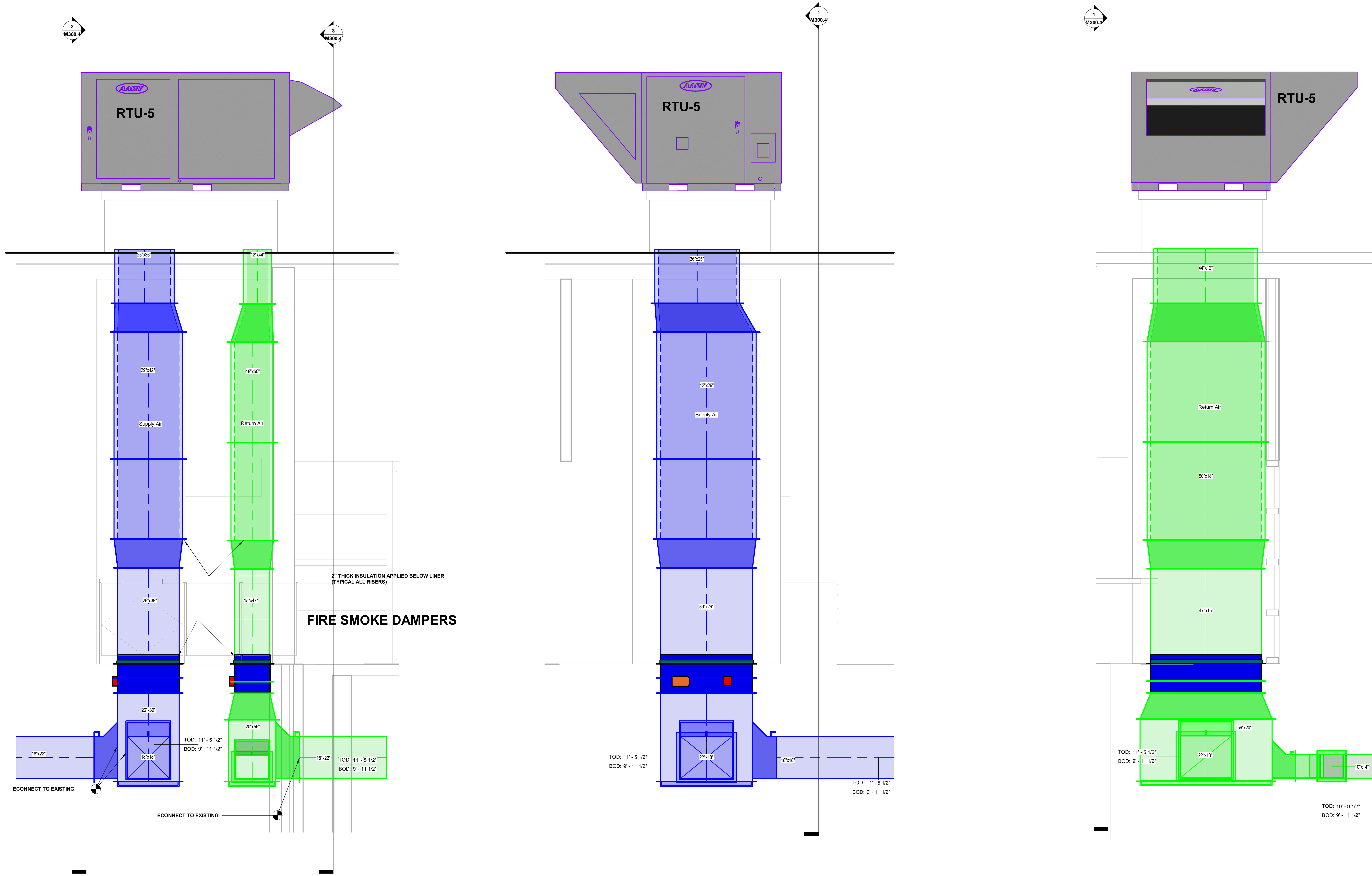
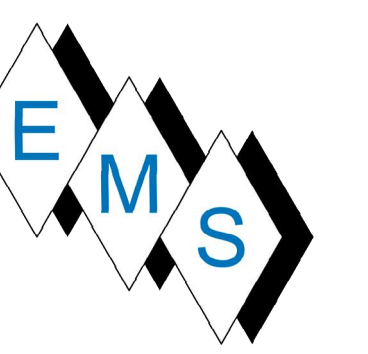
BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION

SECOND FLOOR
 RENOVATIONS

RTU-4 SECTION AS-BUILT

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

M300.3



1 RTU-5 SECTION
 M300.4 SCALE: 3/4" = 1'-0"

2 RTU-5 90 DEGREE SA SIDE
 M300.4 SCALE: 3/4" = 1'-0"

3 RTU-5 90 DEGREE RA SIDE
 M300.4 SCALE: 3/4" = 1'-0"

No.	Description	Date

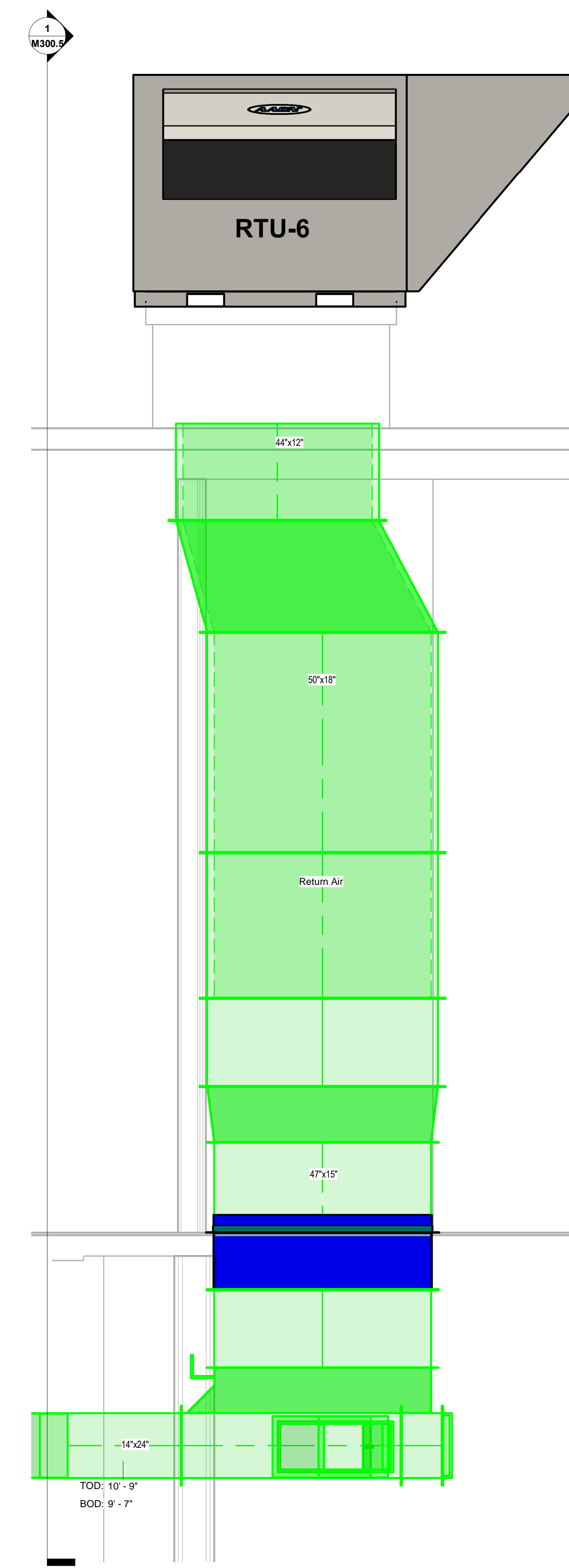
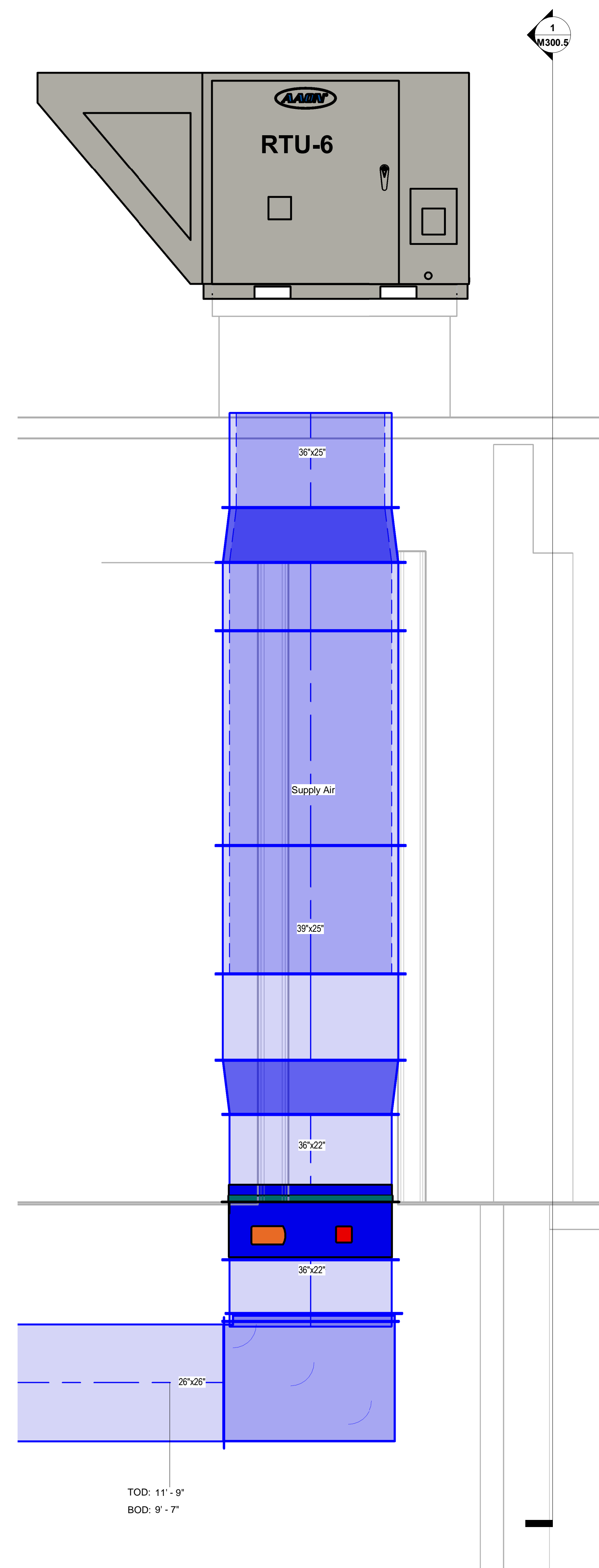
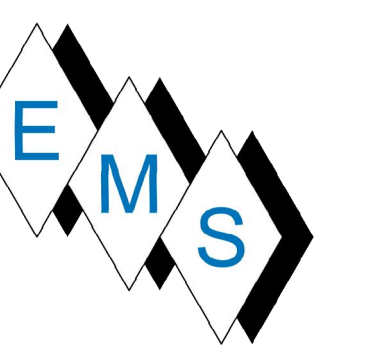
**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION**

**SECOND FLOOR
 RENOVATIONS**

RTU-5 SECTION AS-BUILT

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

M300.4



No.	Description	Date

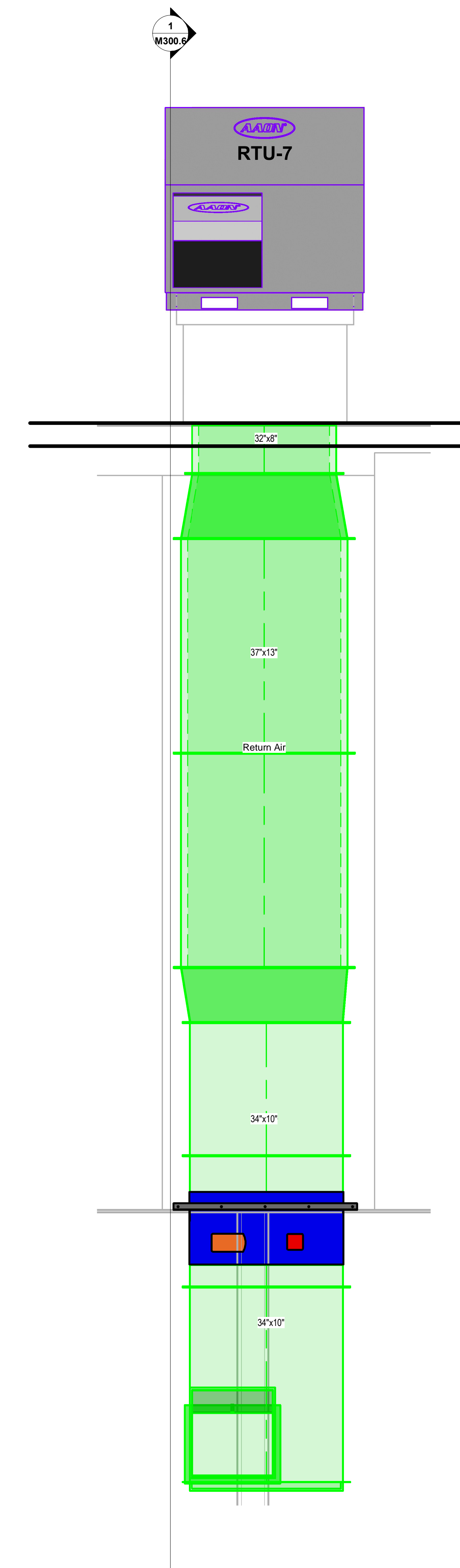
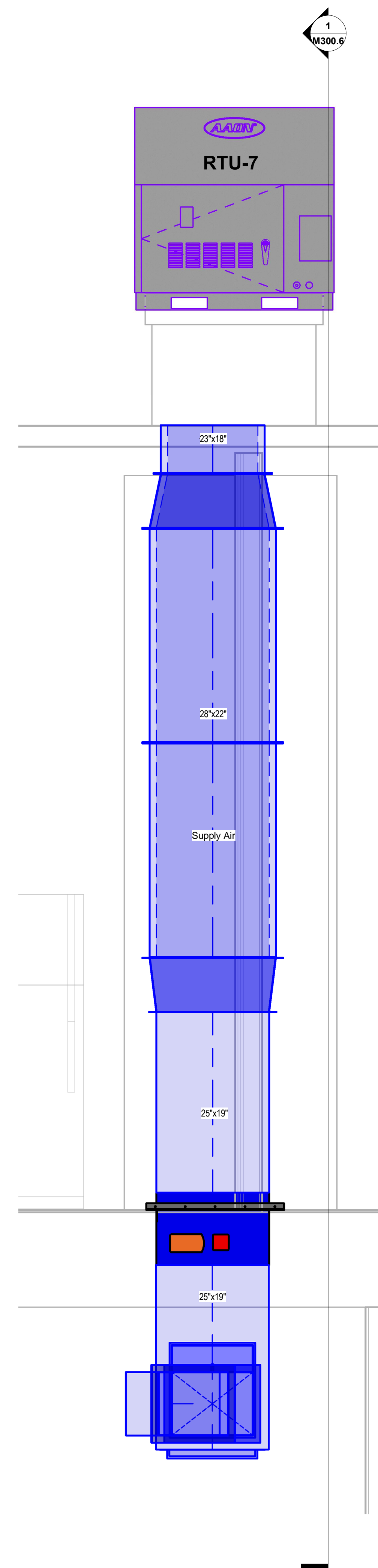
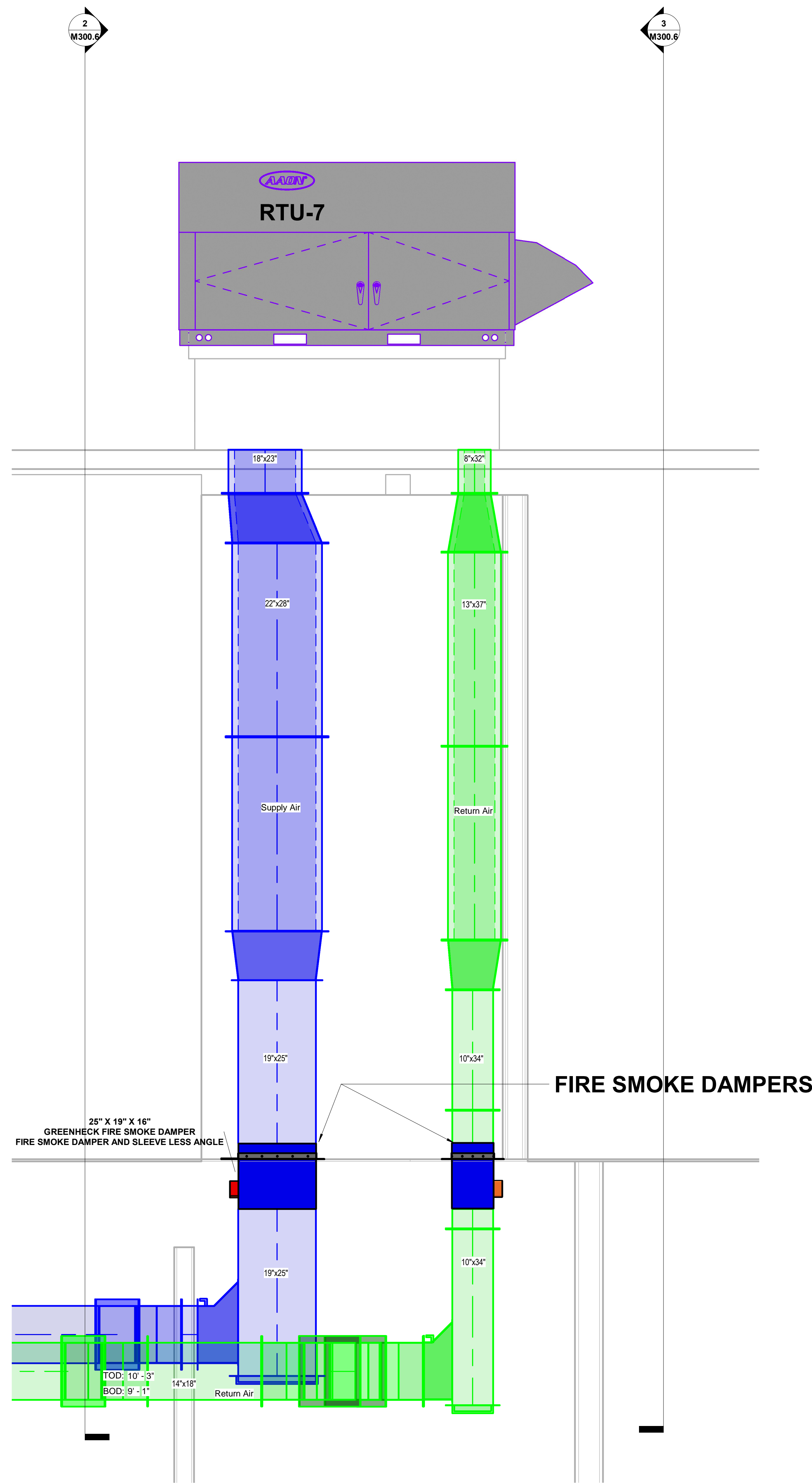
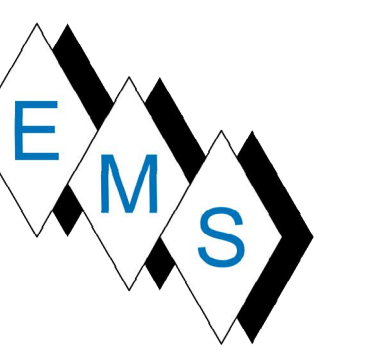
BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION

SECOND FLOOR
 RENOVATIONS

RTU-6 SECTION AS-BUILT

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

M300.5



1 RTU-7 SECTION
 M300.6 SCALE: 3/4"=1'-0"

2 RTU-7 90 DEGREE SA SIDE
 M300.6 SCALE: 3/4"=1'-0"

3 RTU-7 90 DEGREE RA SIDE
 M300.6 SCALE: 3/4"=1'-0"

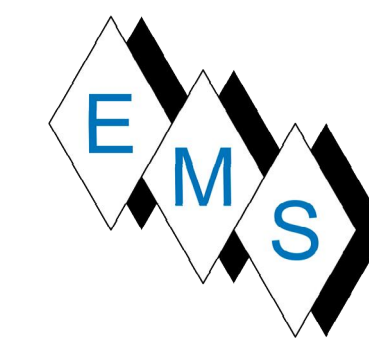
No.	Description	Date

BLACKROCK CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR RENOVATIONS

RTU-7 SECTION AS-BUILT

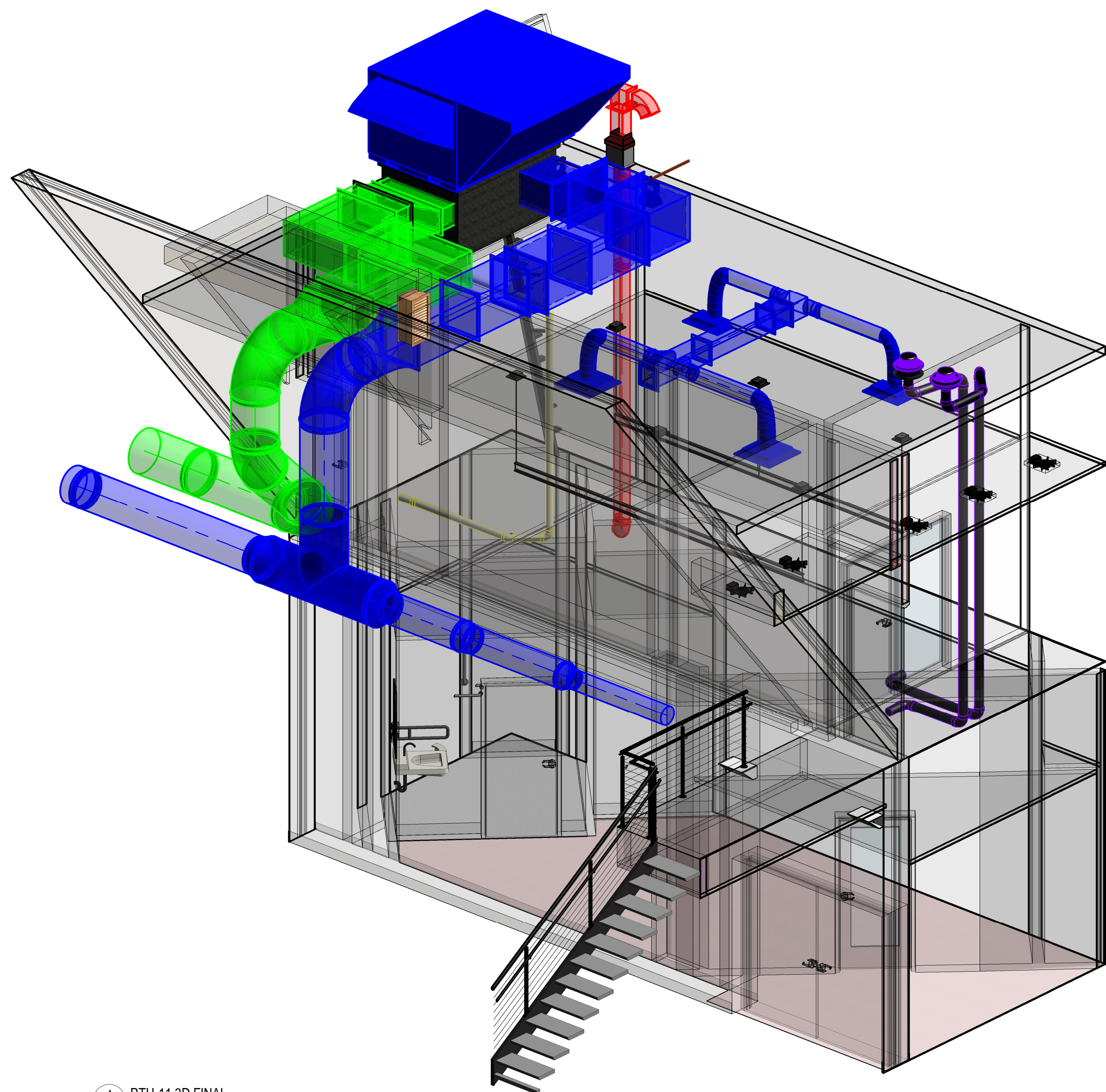
Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

M300.6

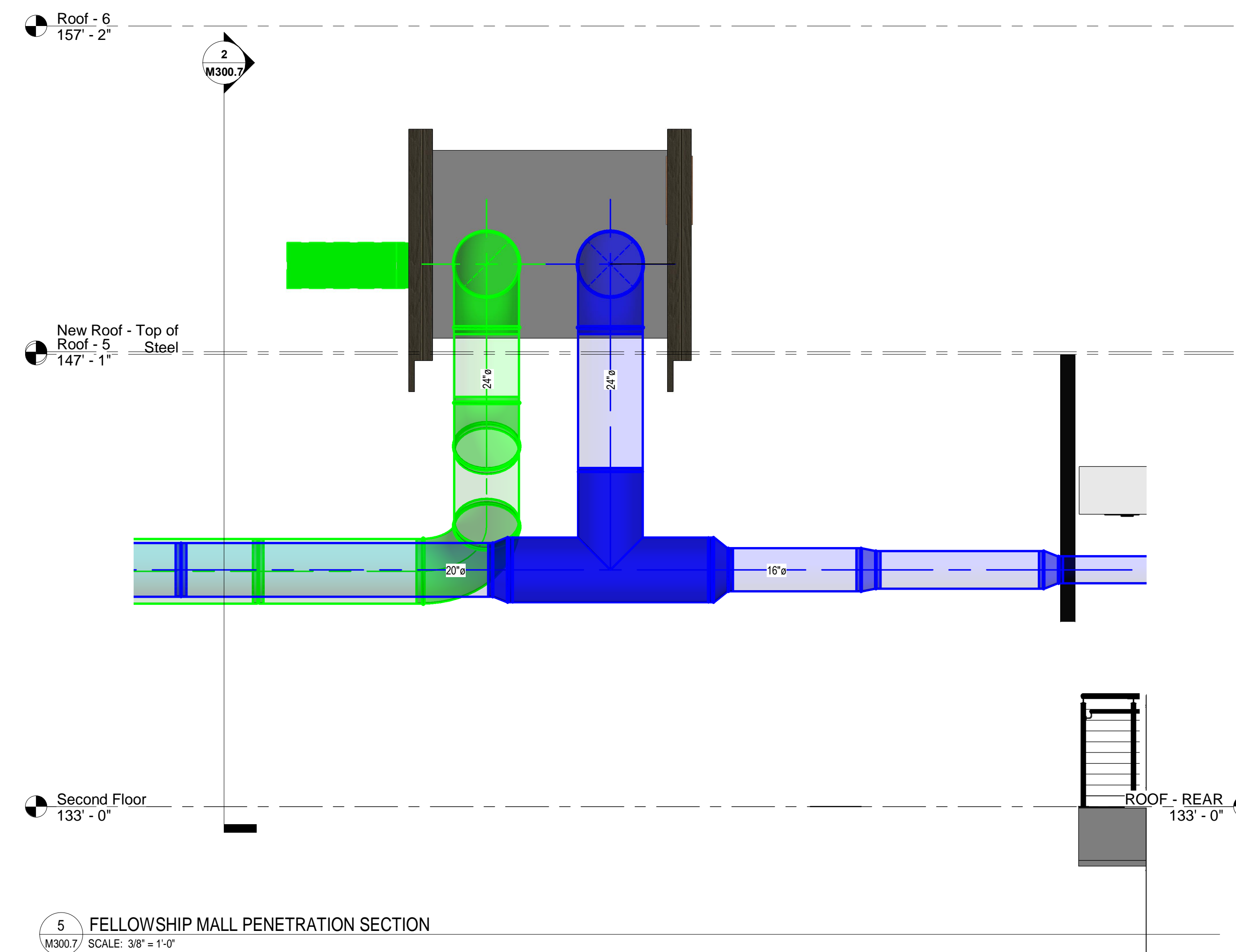


EASTERN MECHANICAL SERVICES
 3 Starr Street, Danbury, CT 06810
 Ph. 203.792.7668 www.emsinc.us

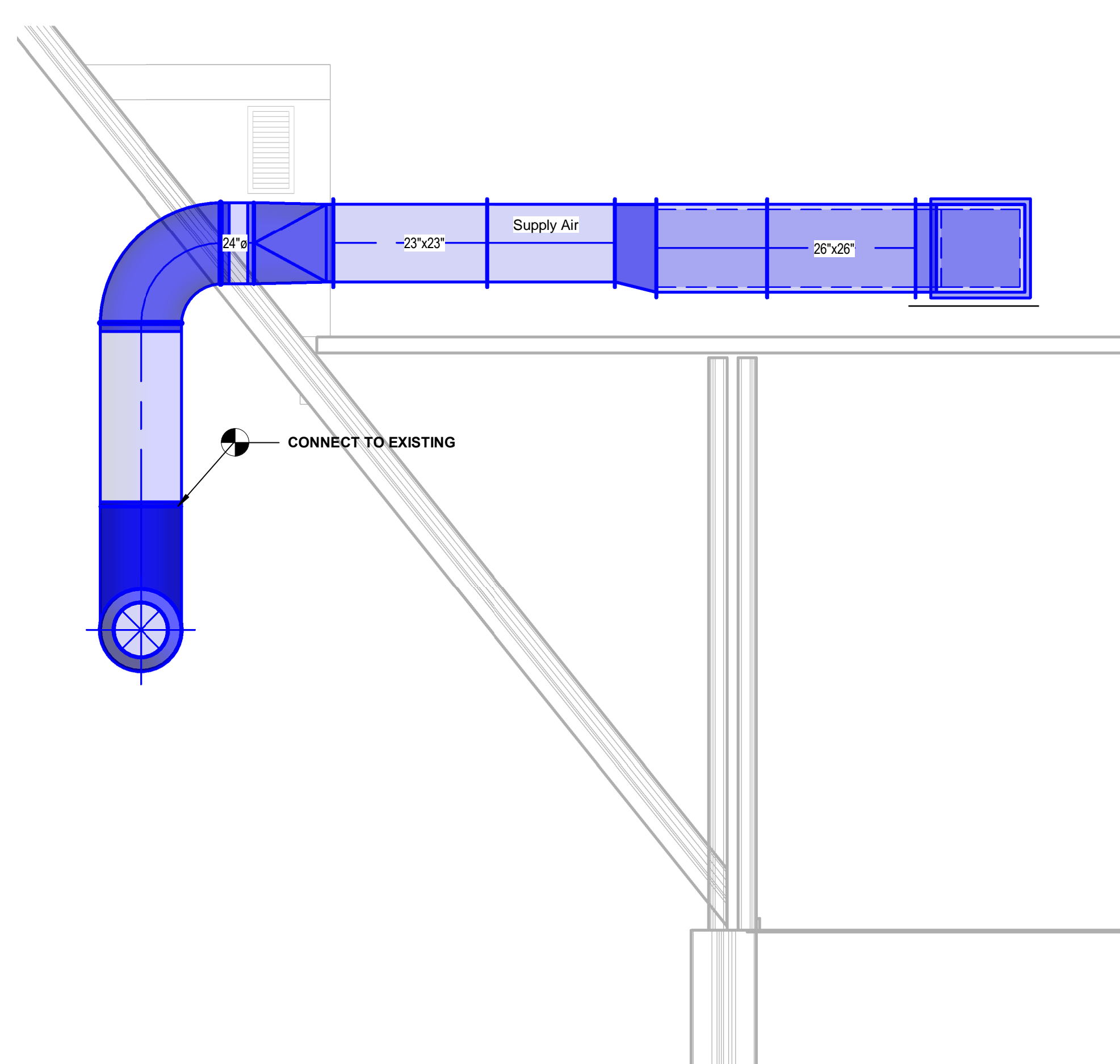
COORDINATION SIGNOFF:
 FIRE PROTECTION _____
 PLUMBING _____
 ELECTRICAL _____
 HVAC _____
 SIGNOFF DATE: _____



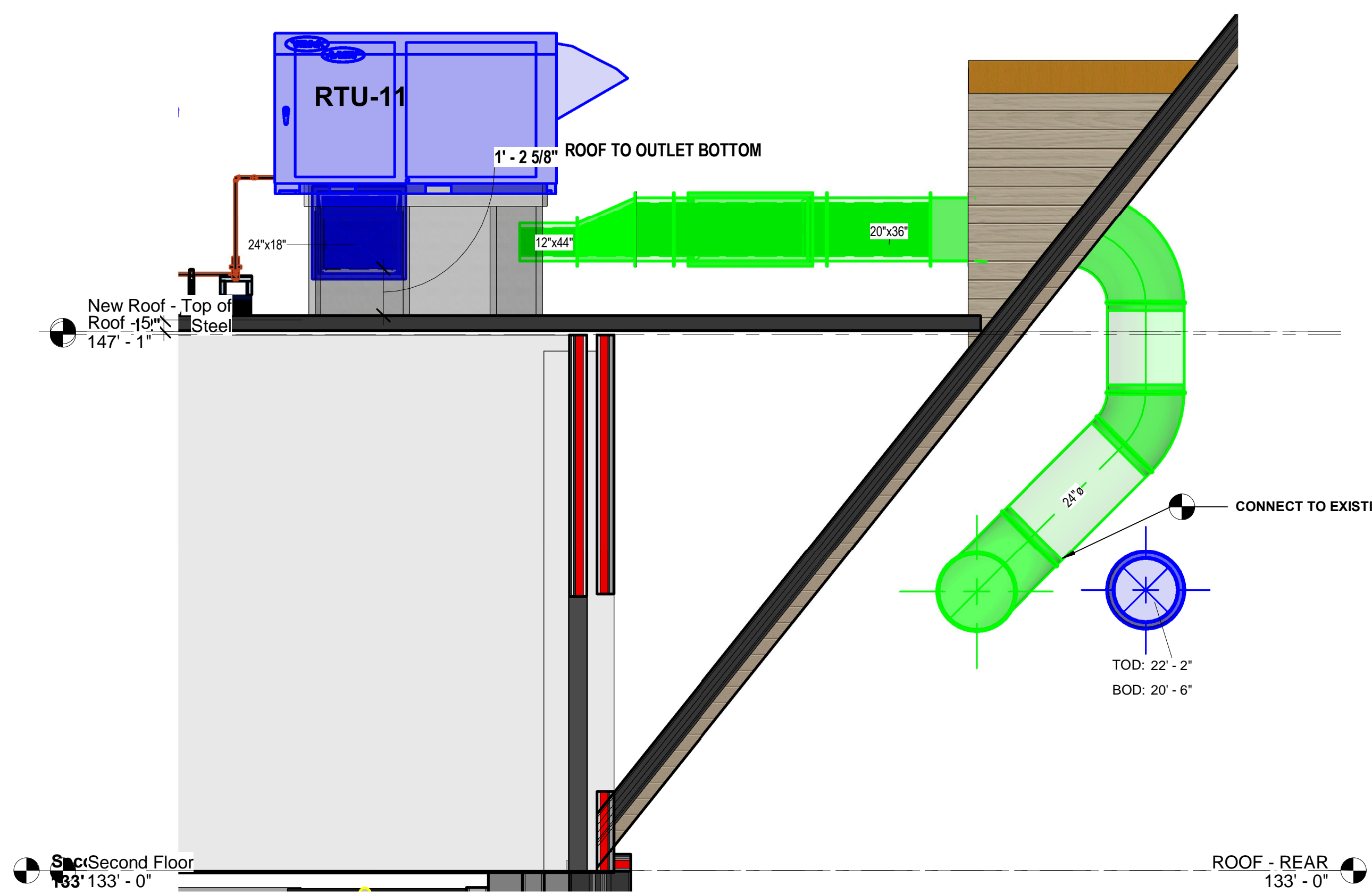
4 RTU-11 3D FINAL
 M300.7 SCALE:



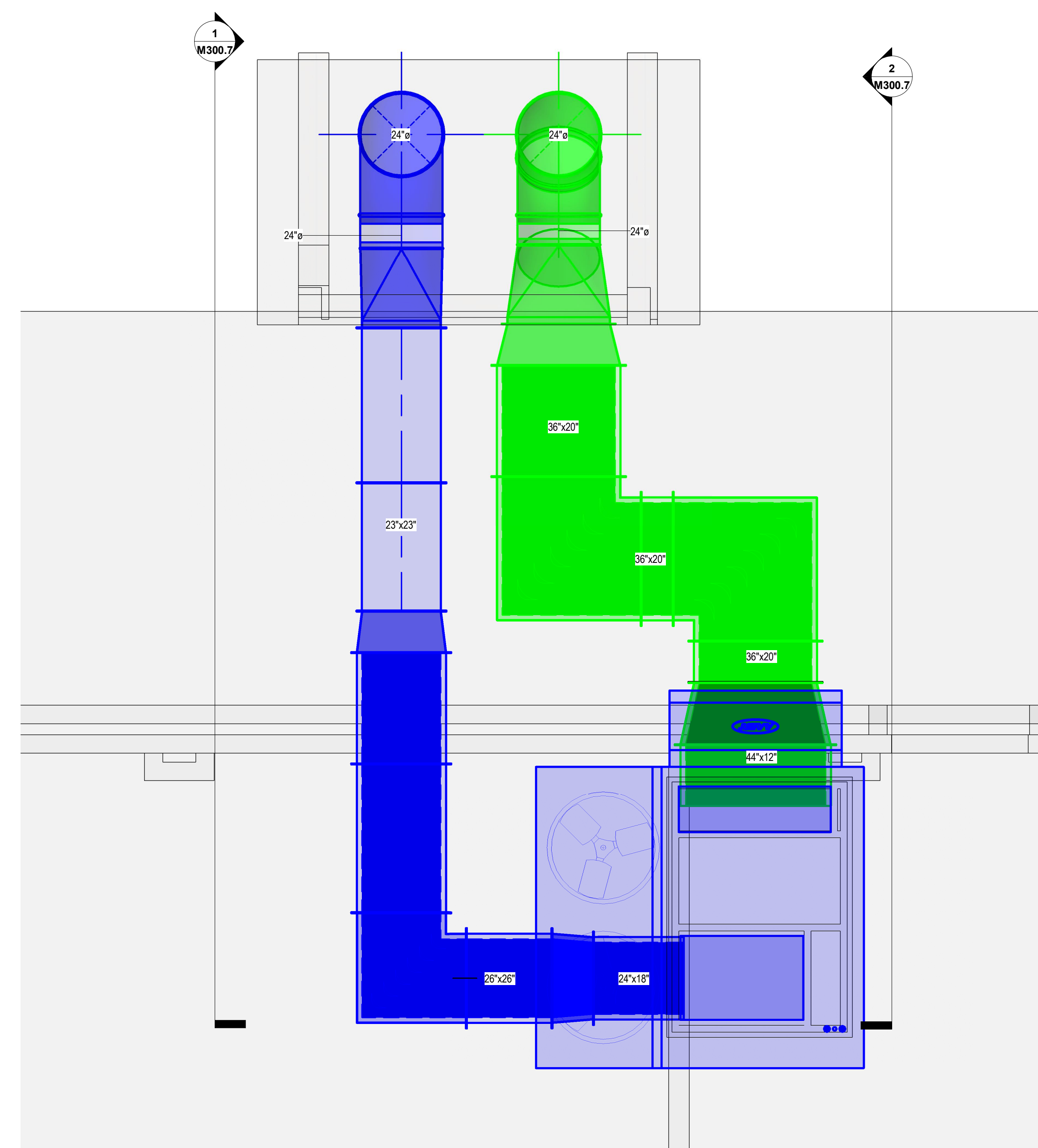
5 FELLOWSHIP MALL PENETRATION SECTION
 M300.7 SCALE: 3/8" = 1'-0"



1 RTU-11 SUPPLY AIR SECTION
 M300.7 SCALE: 3/8" = 1'-0"



2 RTU-11 SECTION
 M300.7 SCALE: 3/8" = 1'-0"



3 RTU-11 PARTIAL PLAN A/B
 M300.7 SCALE: 1/2" = 1'-0"

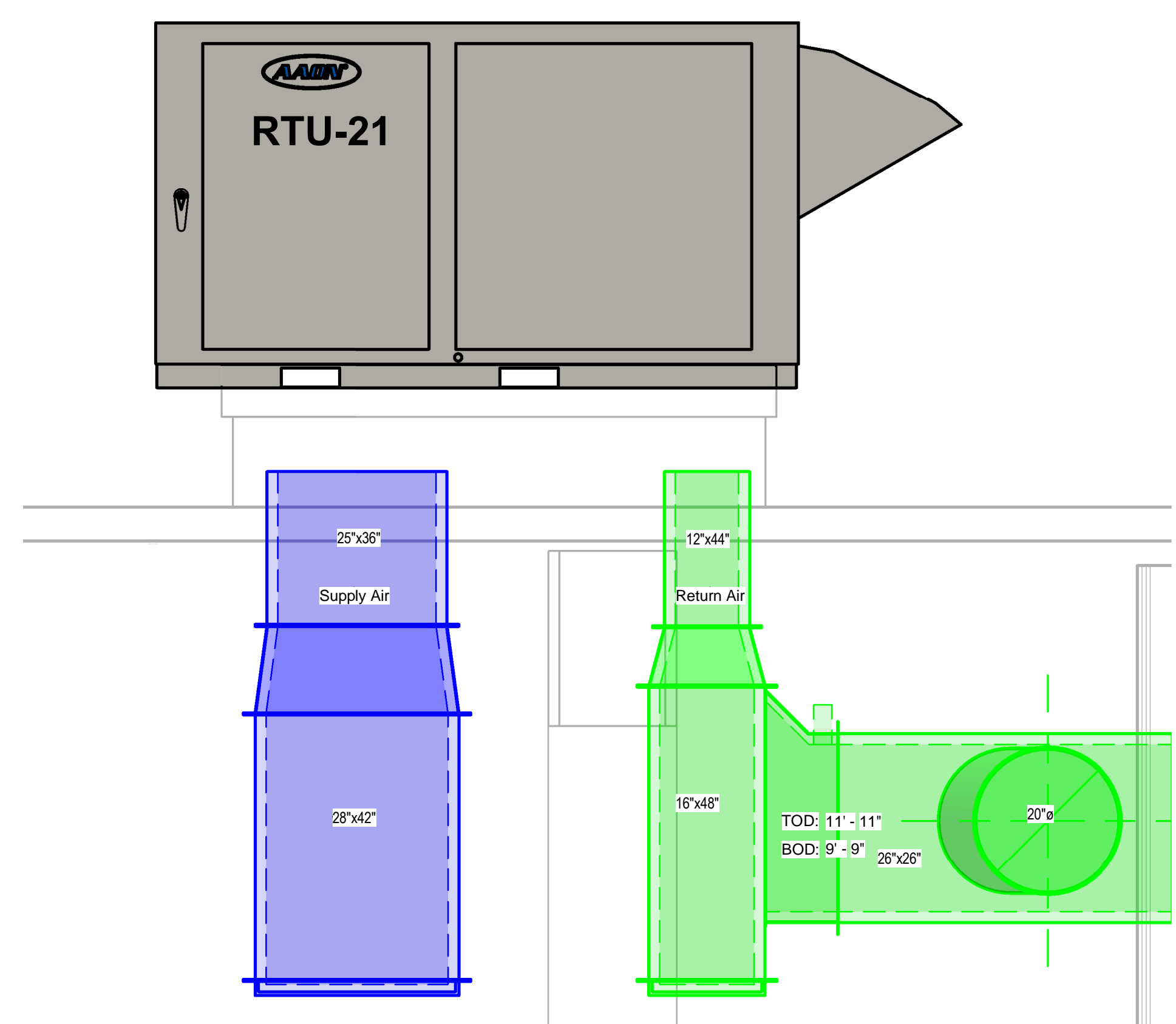
No.	Description	Date

BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR
 RENOVATIONS

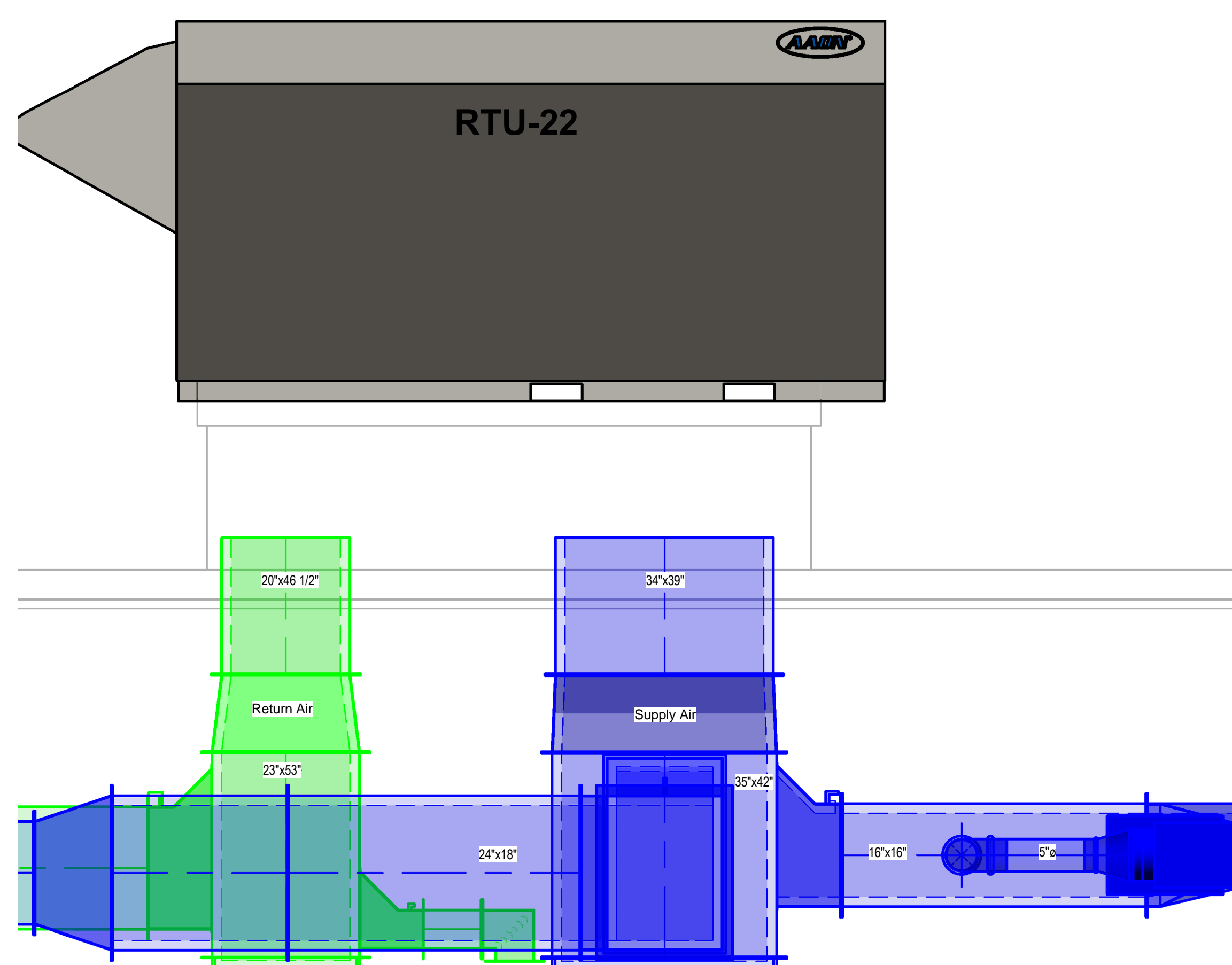
RTU-11 PARTIAL PLN &
 SECTIONS AS-BUILT

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

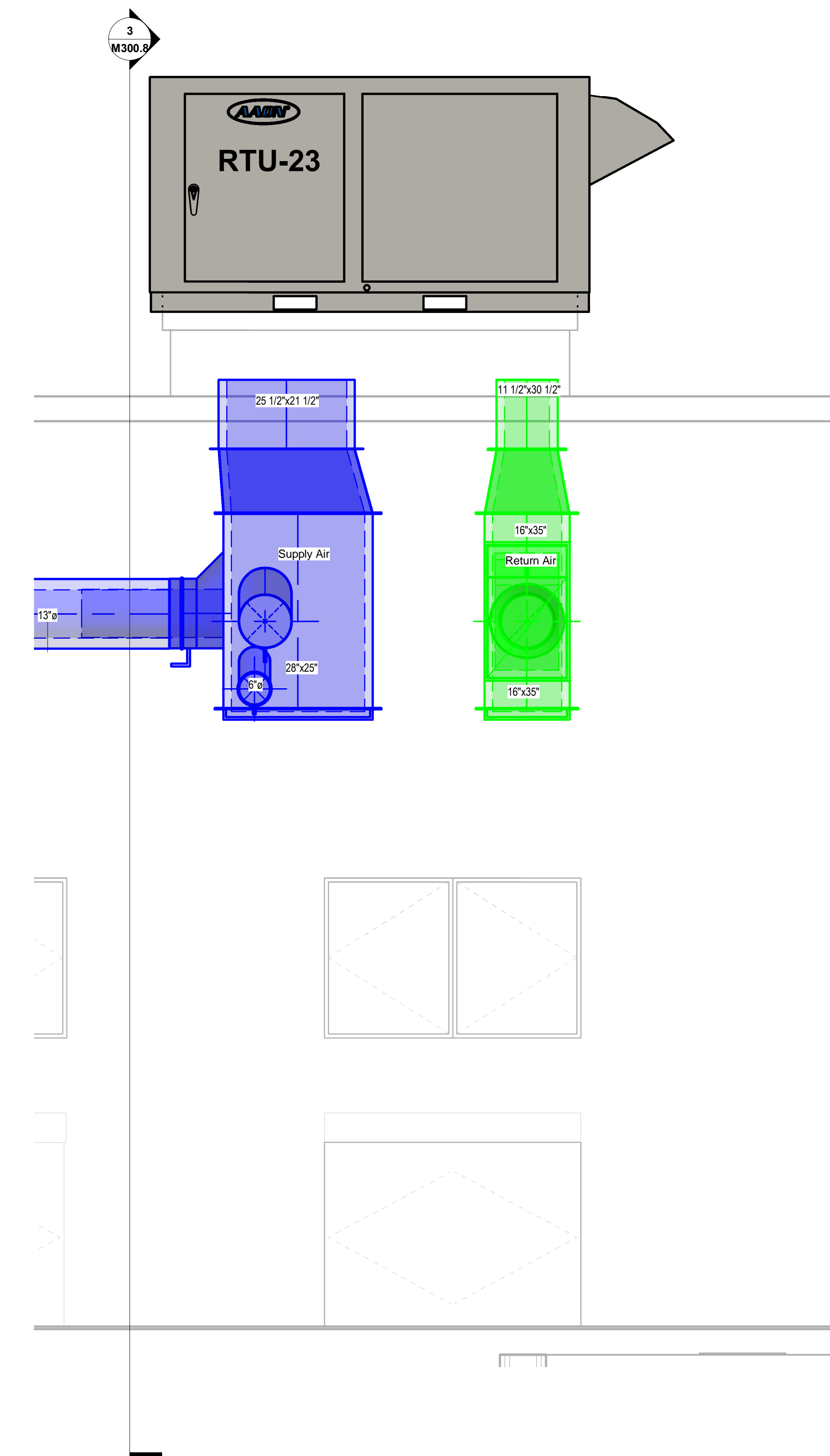
M300.7



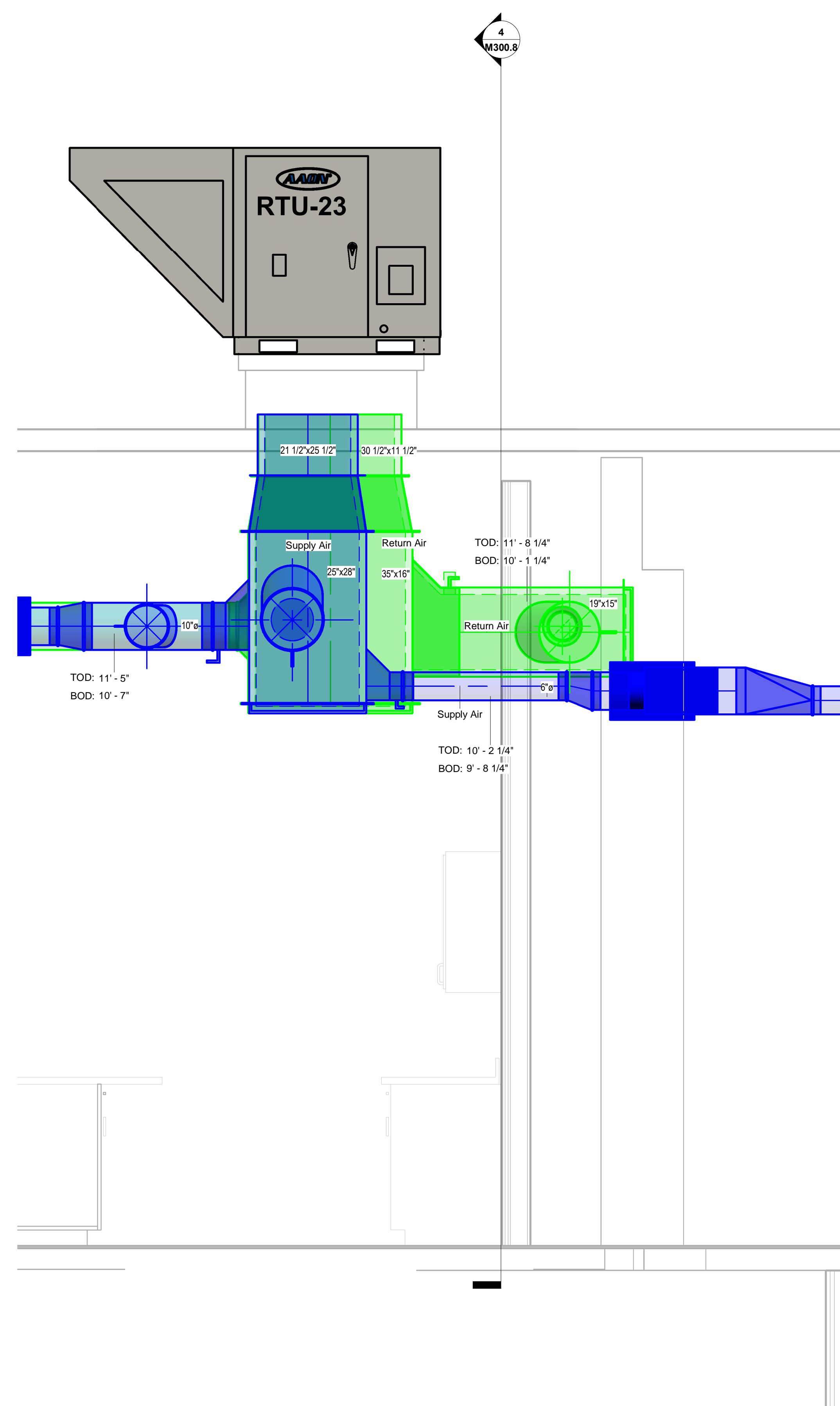
1 RTU-21 SECTION
 M300.8 SCALE: 3/4" = 1'-0"



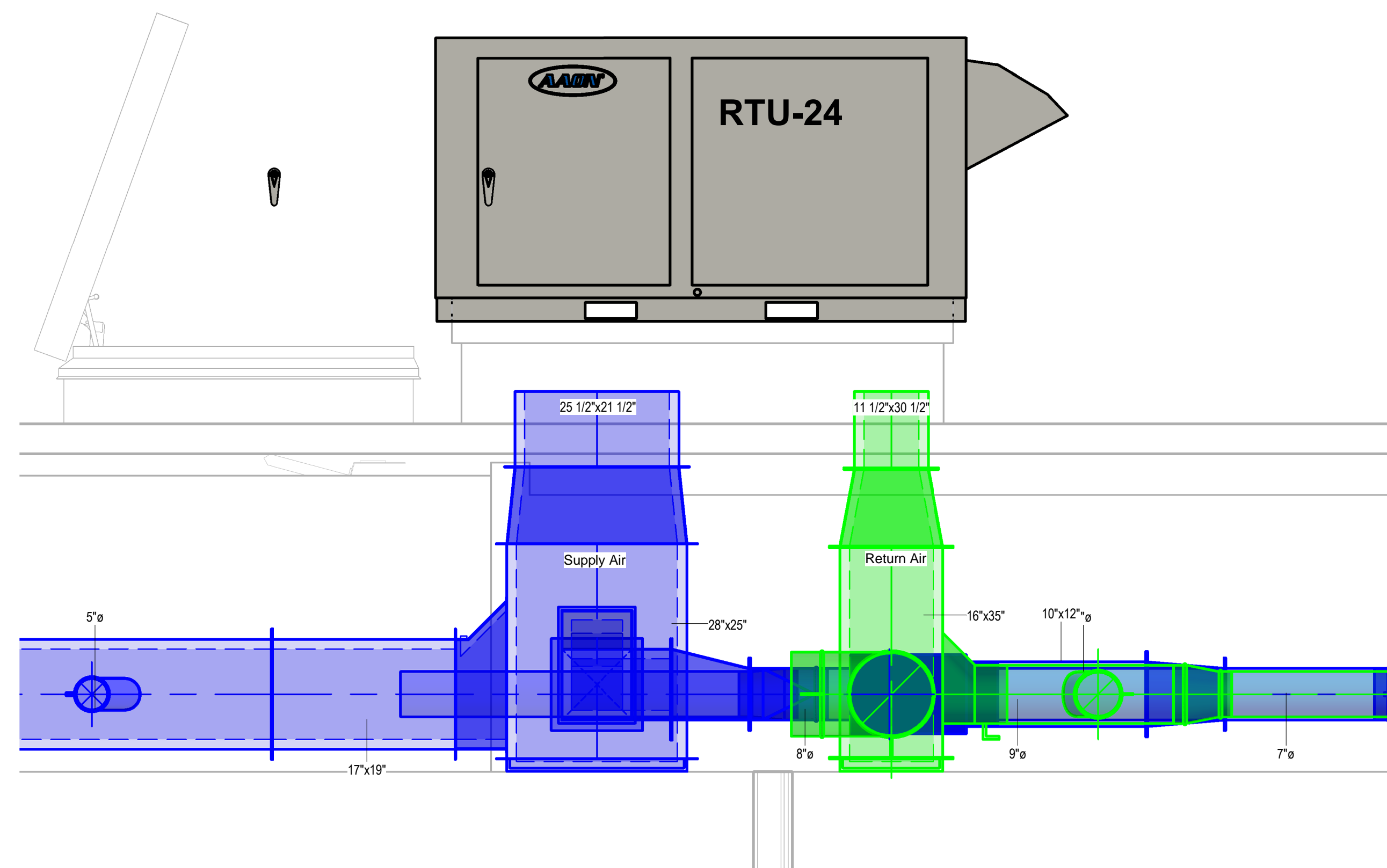
2 RTU-22 SECTION
 M300.8 SCALE: 3/4" = 1'-0"



4 RTU-23 SECTION
 M300.8 SCALE: 3/4" = 1'-0"



3 RTU-23 SECTION A/B
 M300.8 SCALE: 3/4" = 1'-0"



5 RTU-24 SECTION
 M300.8 SCALE: 3/4" = 1'-0"

No.	Description	Date

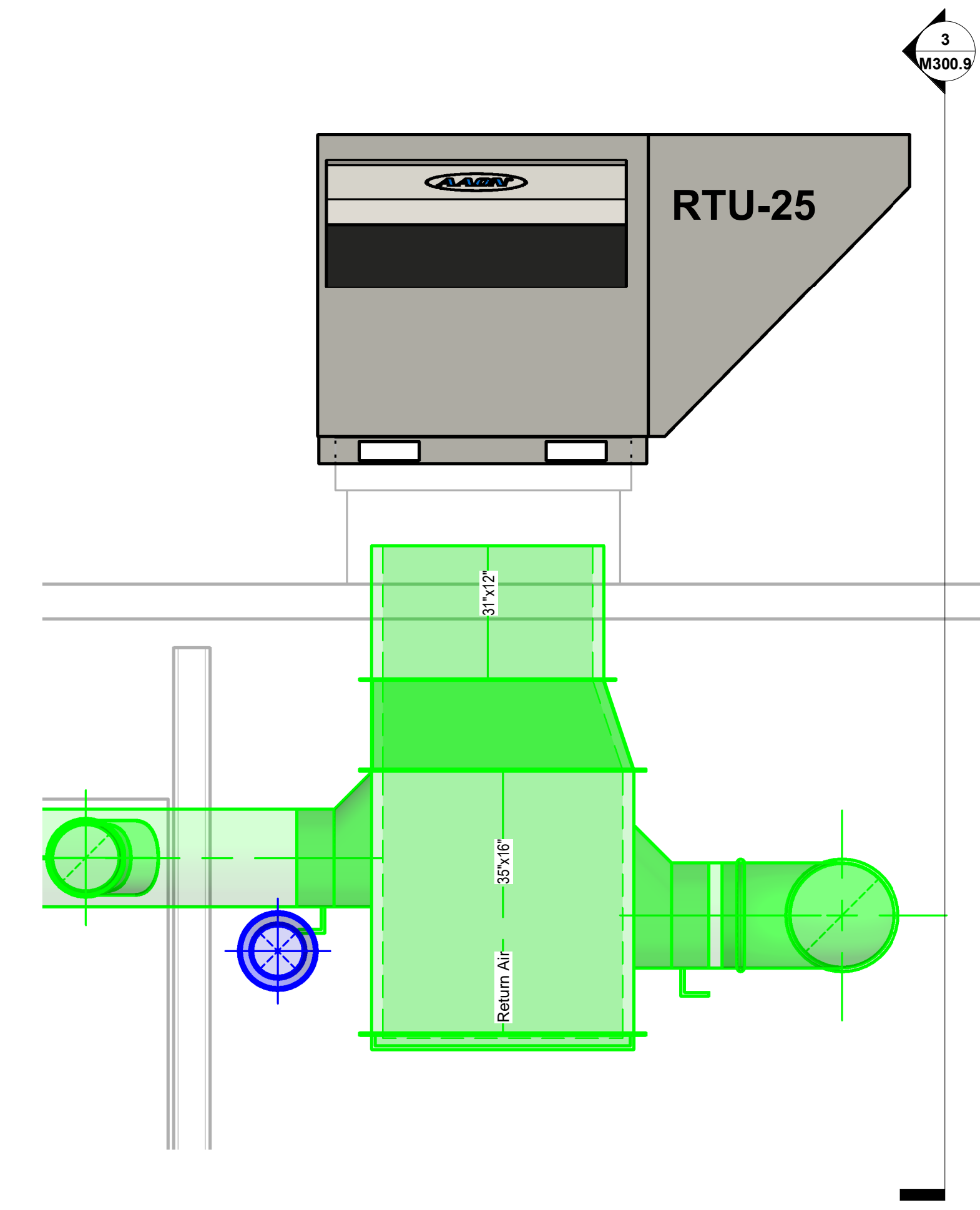
**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION**

**SECOND FLOOR
 RENOVATIONS**

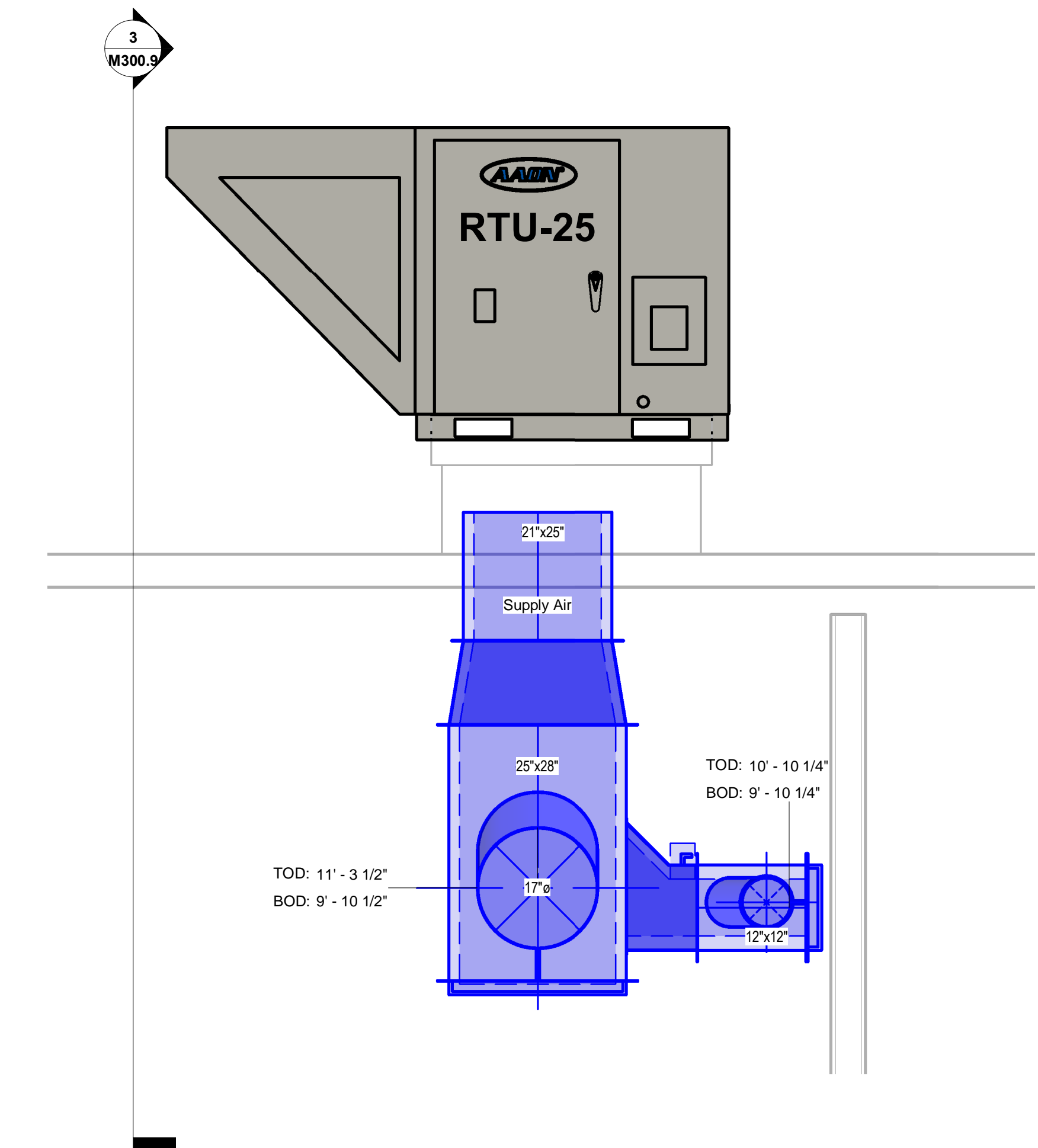
RTU-21, 22, 23 & 24
 SECTIONS AS-BUILT

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

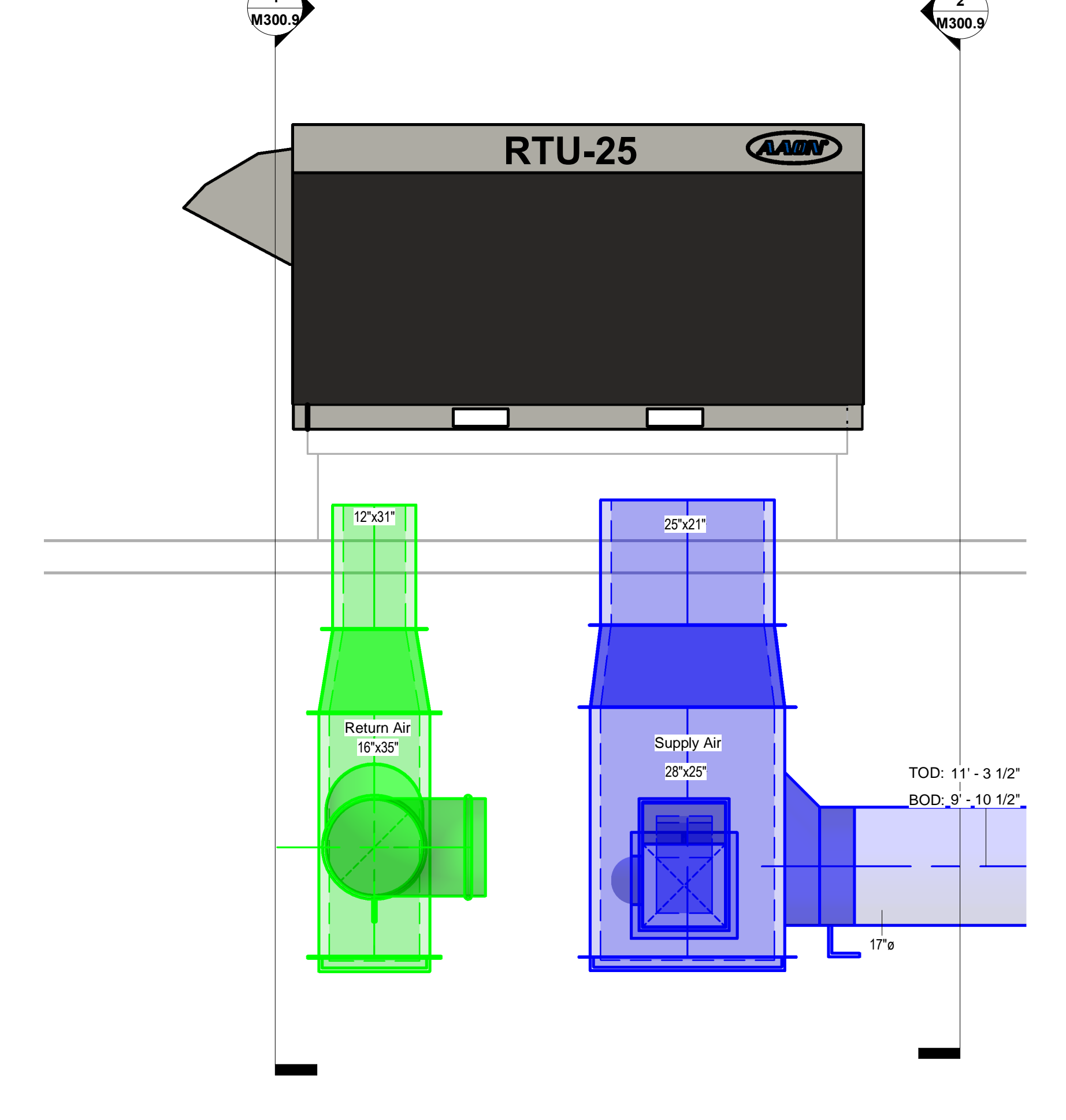
M300.8



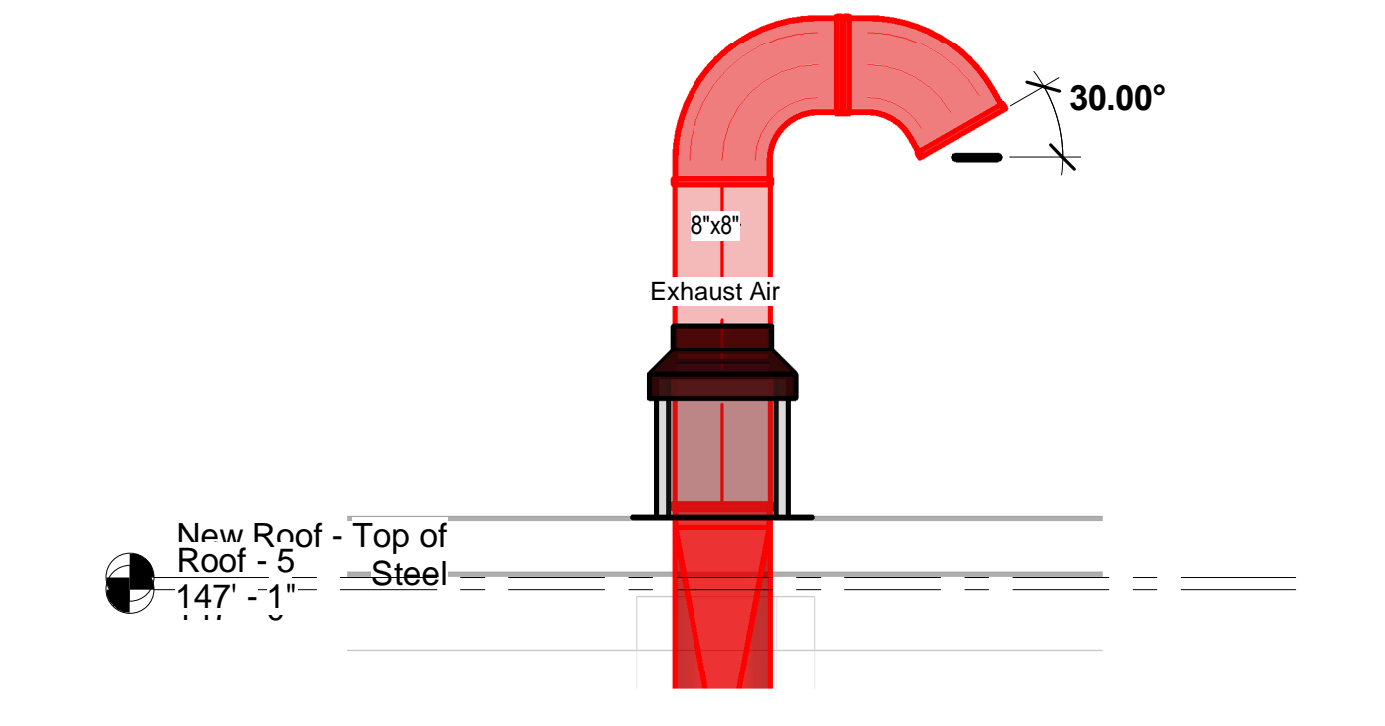
1 RTU-25 90 DEGREE RA SIDE
 M300.9 SCALE: 3/4" = 1'-0"



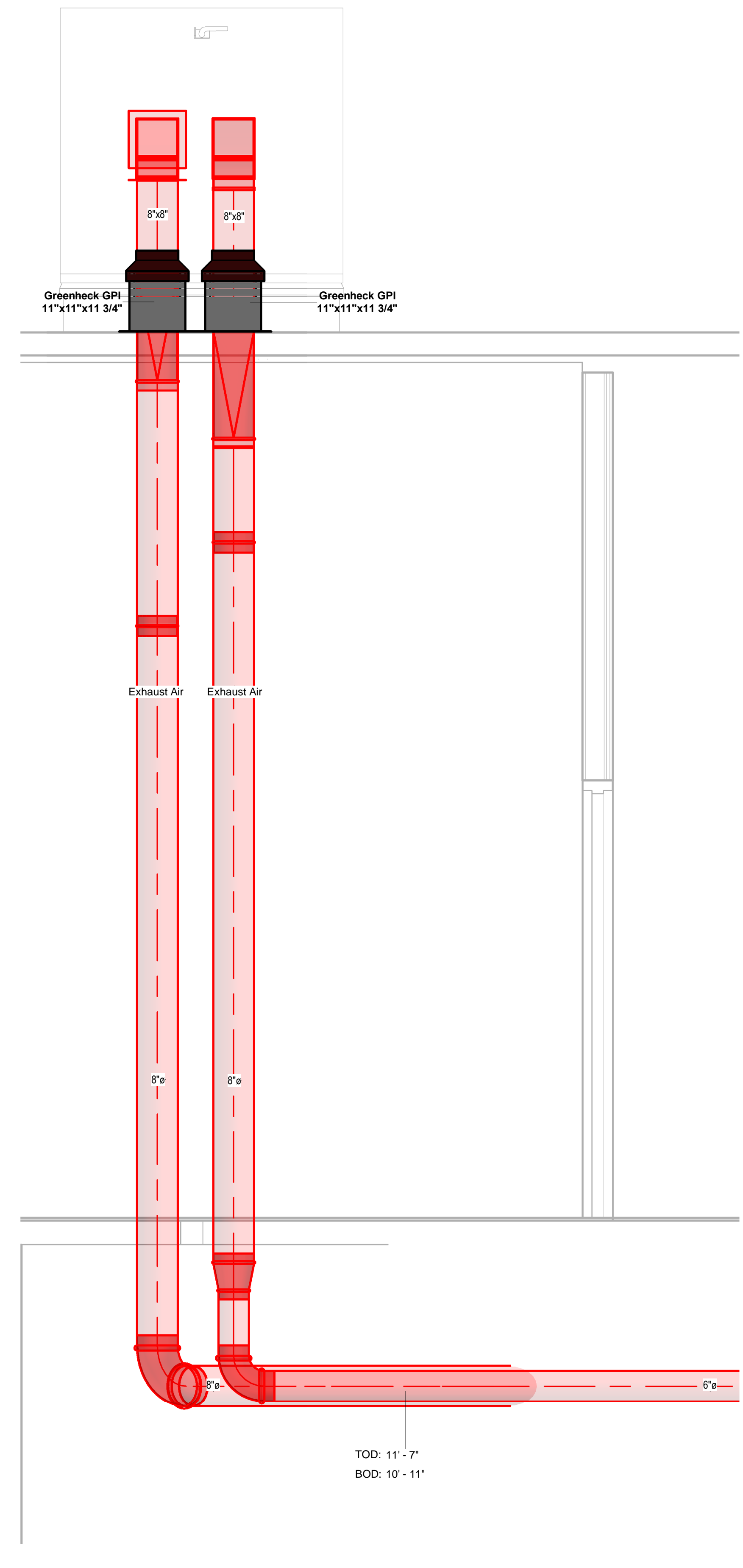
2 RTU-25 90 DEGREE SA SIDE
 M300.9 SCALE: 3/4" = 1'-0"



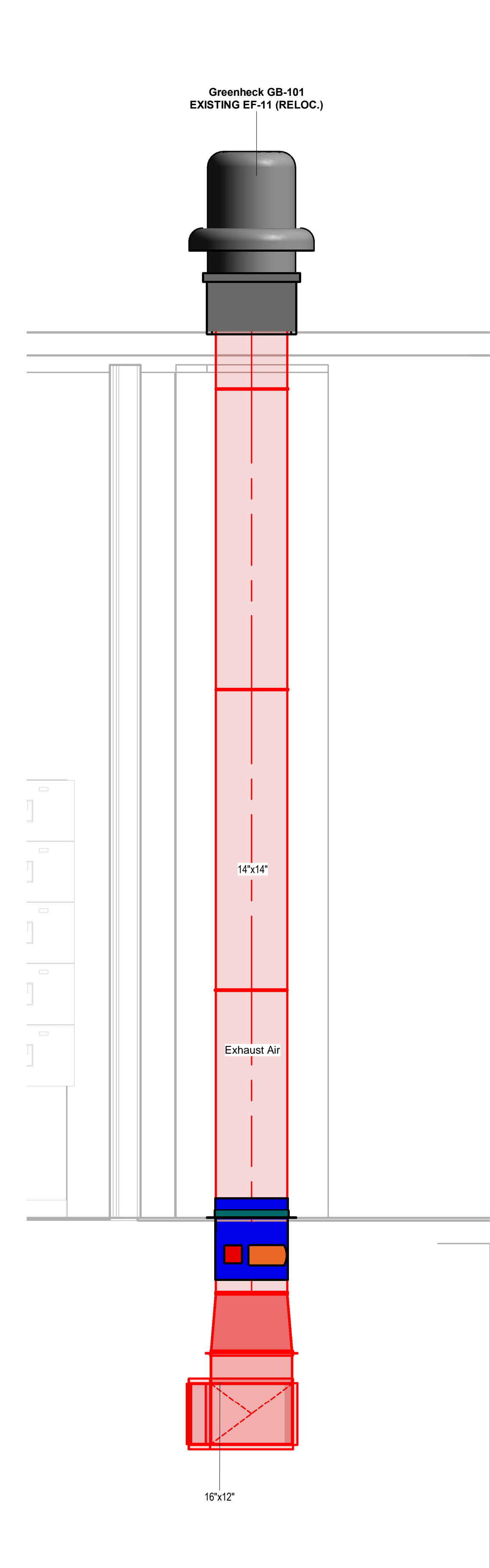
3 RTU-25 SECTION A/B
 M300.9 SCALE: 3/4" = 1'-0"



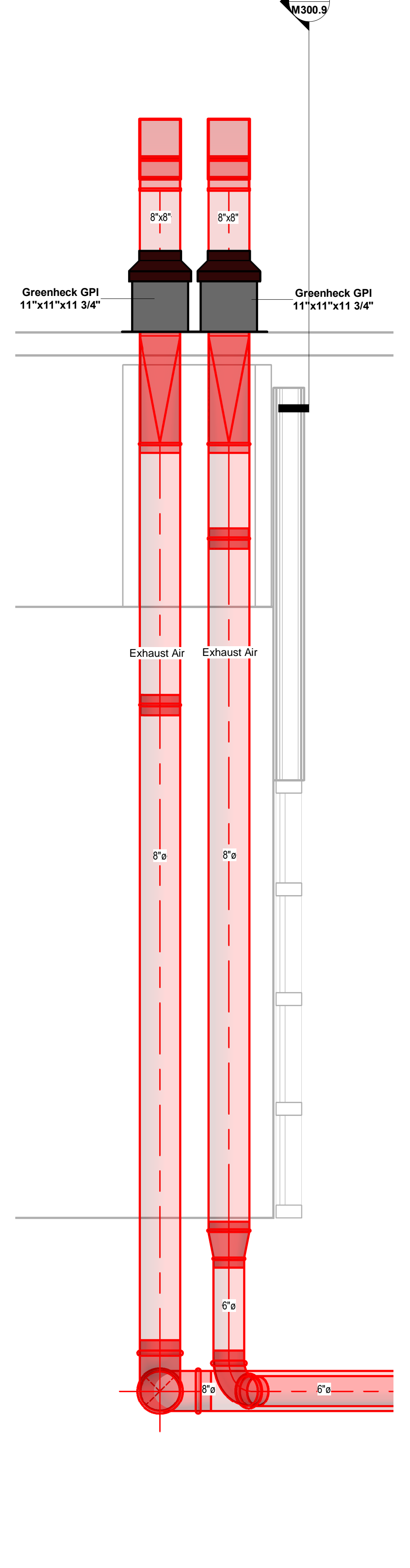
9 EXHAUST GOOSENECK TYPICAL
 M300.9 SCALE: 3/4" = 1'-0"



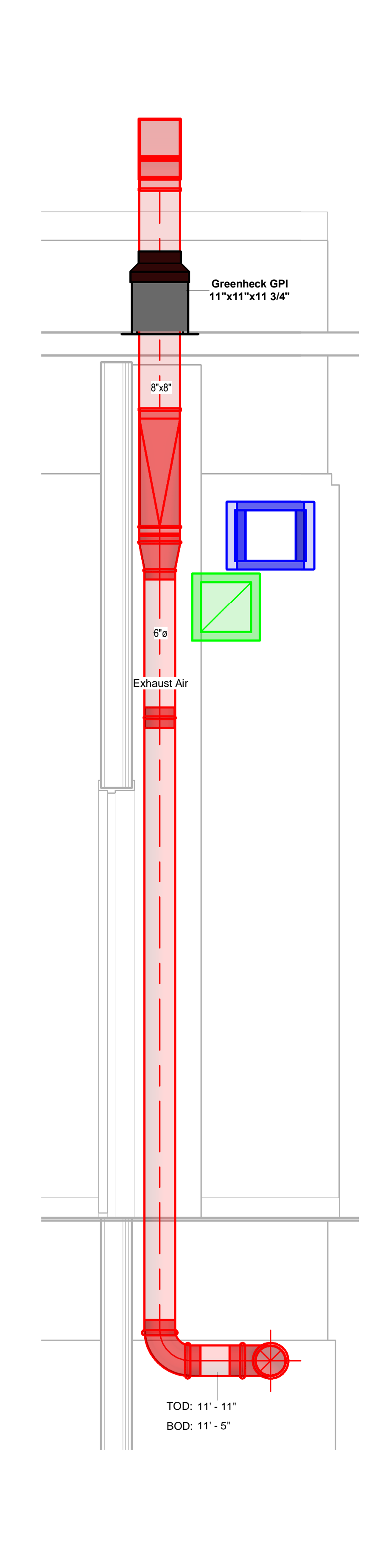
4 PRE-K 187 EXHAUST RISER SECTION
 M300.9 SCALE: 3/4" = 1'-0"



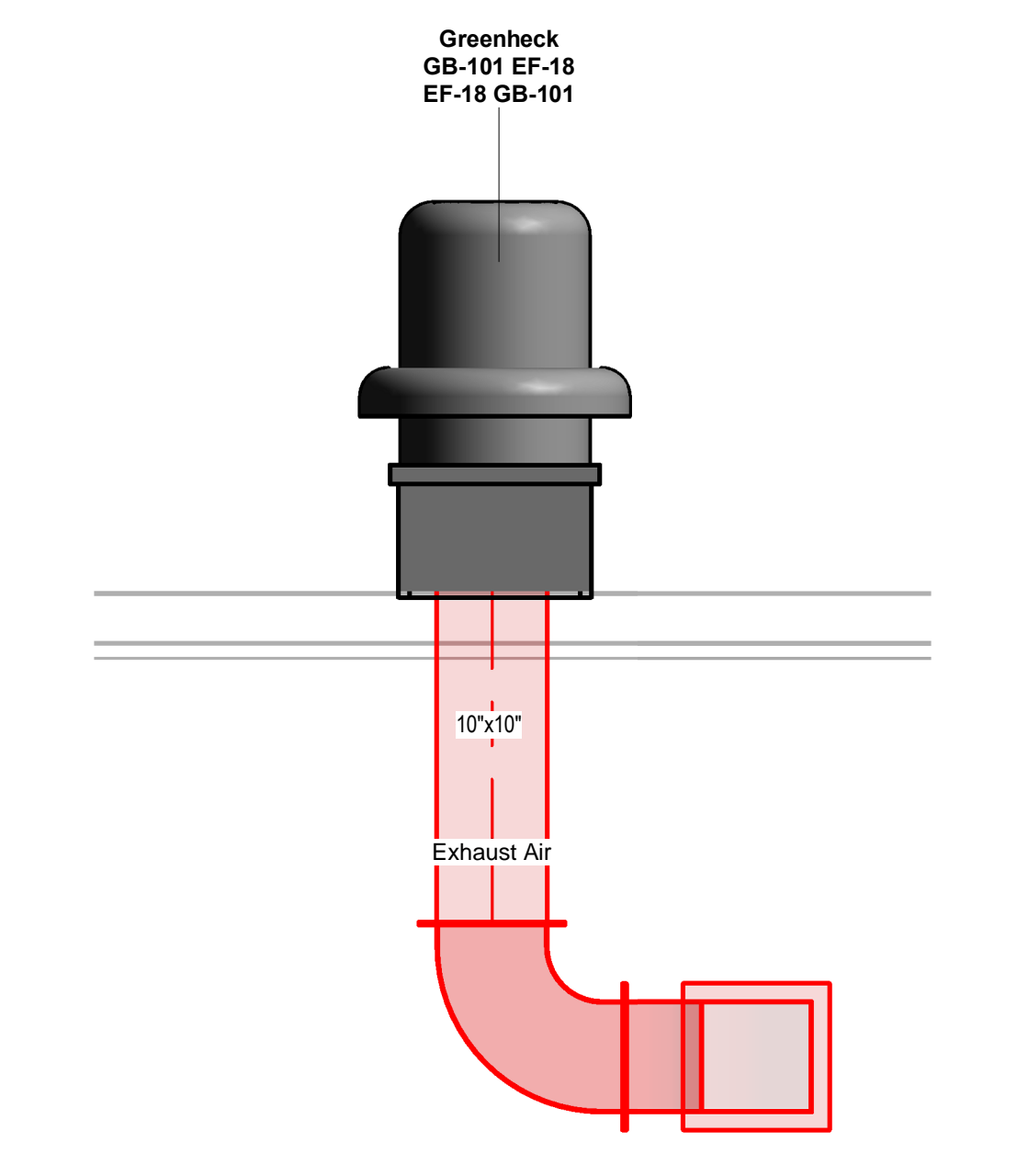
5 EF-11 SECTION
 M300.9 SCALE: 3/4" = 1'-0"



6 THEME CORRIDOR 180 EXHAUST SECTION
 M300.9 SCALE: 3/4" = 1'-0"



7 PRE-K 176 EXHAUST RISER SECTION
 M300.9 SCALE: 3/4" = 1'-0"



8 SECOND FLOOR BATH EXHAUST
 M300.9 SCALE: 3/4" = 1'-0"

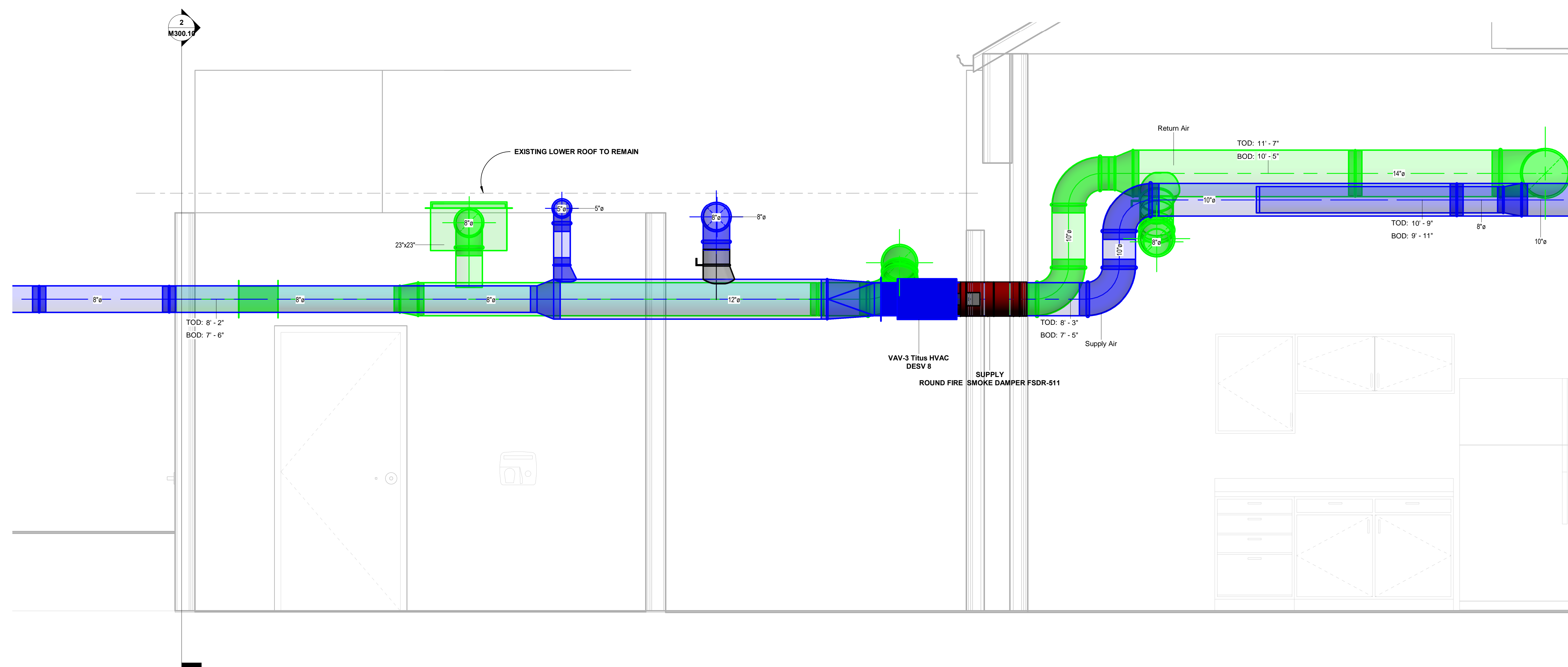
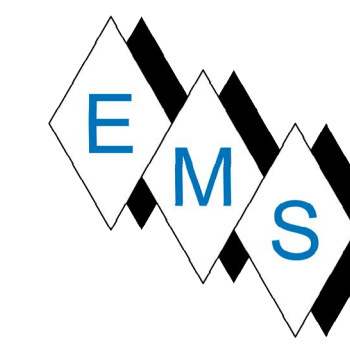
No.	Description	Date

BLACKROCK CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION

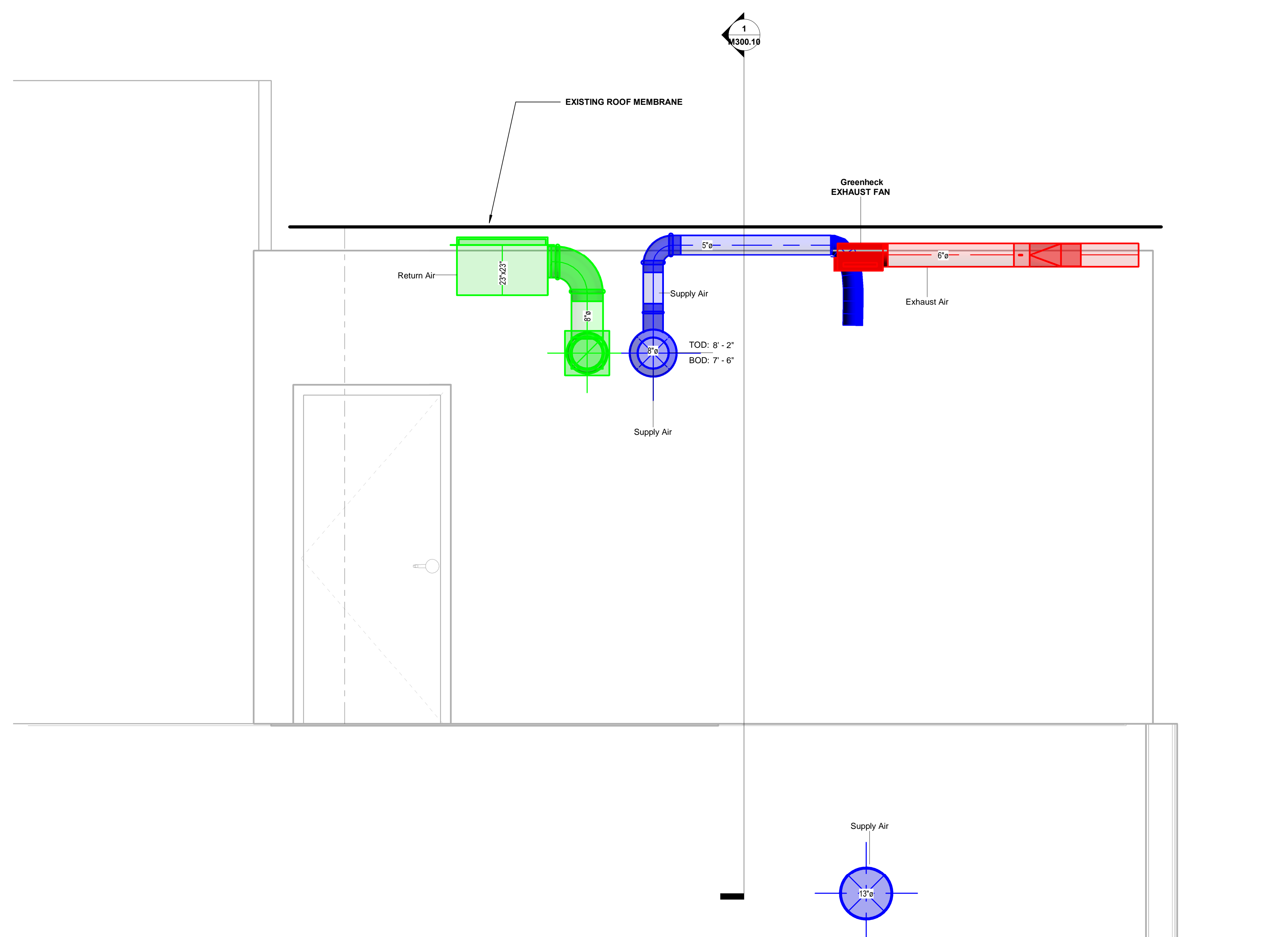
SECOND FLOOR RENOVATIONS

RTU-25 AND ALL EXHAUST RISERS AS-BUILT

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.



1 GREEN ROOM AREA SECTION 1
 M300.10 SCALE: 3/4" = 1'-0"



2 GREEN ROOM AREA CROSS SECTION
 M300.10 SCALE: 3/4" = 1'-0"

- NOTES:
- 1) ALL SPIRAL ROUND DUCT IS MCGILL AS SPECIFIED. ALL EXPOSED SUPPLY DUCT IS DOUBLE WALL, AND ALL EXPOSED RETURN/EXHAUST DUCT IS SINGLE WALL - UNINSULATED.
 - 2) EXPOSED DUCTS ARE PAINTABLE GALVANALED; CONCEALED DUCTS ARE GALVANIZED.
 - 3) ALL DOUBLE WALL SPIRAL DUCTS LIST THE ID SIZE. ALL ELEVATIONS LISTED ARE TO THE ID DIMENSION. THUS, THE ADJUSTED TRUE B.O.D. IS -1" AND TRUE T.O.D. IS +1"
 - 4) ALL INTERNALLY LINED DUCTS ARE LISTED AS "OD". THUS, THE ID IS TO BE CALCULATED BY SUBTRACTING 3" FROM LISTED SIZES.
 - 5) ALL EXTERNALLY INSULATED DUCTS ARE LISTED AS BARE OD. ALL ELEVATIONS ARE TO THE BARE DUCT OD. THUS, THE ADJUSTED TRUE B.O.D. WITH INSULATION IS -2" AND TRUE T.O.D. IS +2" WHERE THE INSULATION IS APPLIED.
 - 6) REFER TO THE CONTRACT DRAWINGS, SPECIFICATIONS AND REVIEWED JOB SPECIFIC SUBMITTAL DATA IN CONJUNCTION WITH THESE SHOP DRAWINGS FOR ALL CONSTRUCTION ACTIVITIES.
 - 7) GAS PIPING TO BE SCH 40 GALVANIZED WITH GALVANIZED MALLEABLE FITTINGS. ALL RAW STEEL THREADS WILL BE PAINTED TO MATCH GALVANIZED COATING FOR CORROSION PROTECTION. PIPING WILL BE LABELED IN ACCORDANCE WITH GOVERNING STANDARDS / SPECIFICATIONS.
 - 8) EMS WILL REUSE EXISTING GAS REGULATORS, BUT THE EXISTING SYSTEM IS MEGA PRESS AND THE NEW SYSTEM IS SCH 40 THREADED. PIPE SUPPORTS WILL BE BL LINE C-10 BLOCKS OR EQUAL WITH GALVANIZED PLATED STRUT AS SHOWN ON THE SHOP DRAWINGS. THIS WILL ALLOW THE GAS LINE TO BE INSTALLED IN ONE HORIZONTAL PLANE WITH SUPPORT MEMBERS VARYING BASED ON ROOF TAPER.

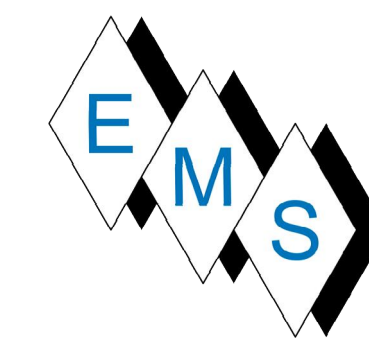
No.	Description	Date

**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION**

**SECOND FLOOR
 RENOVATIONS**

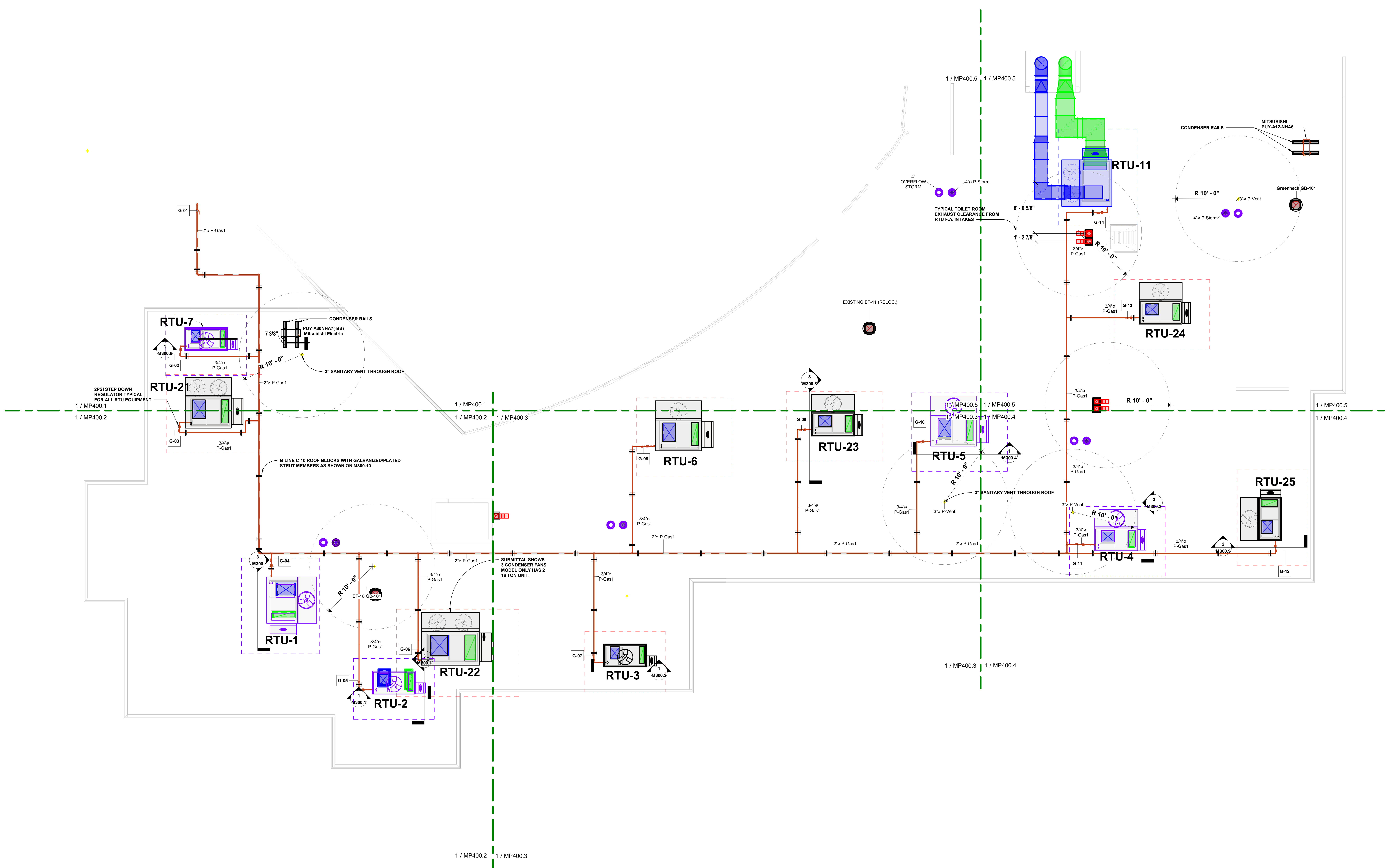
**GREEN ROOM AREA
 SECTIONS AS-BUILT**

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.



NOTE:
 P-XXX DENOTES VALVE TAG NUMBER
 P = PLUMBING
 G = GAS

- NOTES:
- 1) ALL SPIRAL ROUND DUCT IS MCGLL AS SPECIFIED. ALL EXPOSED SUPPLY DUCT IS DOUBLE WALL, AND ALL EXPOSED RETURN/EXHAUST DUCT IS SINGLE WALL - UNINSULATED.
 - 2) EXPOSED DUCTS ARE PAINTABLE GALVANEALIZED. CONCEALED DUCTS ARE GALVANIZED.
 - 3) ALL DOUBLE WALL SPIRAL DUCTS LIST THE ID SIZE. ALL ELEVATIONS LISTED ARE TO THE ID DIMENSION. THUS, THE ADJUSTED TRUE B.O.D. IS -1" AND TRUE T.O.D. IS +1".
 - 4) ALL INTERNALLY LINED DUCTS ARE LISTED AS "OD". THUS, THE ID IS TO BE CALCULATED BY SUBTRACTING 3" FROM LISTED SIZES.
 - 5) ALL EXTERNALLY INSULATED DUCTS ARE LISTED AS BARE OD. ALL ELEVATIONS ARE TO THE BARE DUCT OD. THUS, THE ADJUSTED TRUE B.O.D. WITH INSULATION IS -2" AND TRUE T.O.D. IS +2" WHERE THE INSULATION IS APPLIED.
 - 6) REFER TO THE CONTRACT DRAWINGS, SPECIFICATIONS AND REVIEWED JOB SPECIFIC SUBMITTAL DATA IN CONJUNCTION WITH THESE SHOP DRAWINGS FOR ALL CONSTRUCTION ACTIVITIES.
 - 7) GAS PIPING TO BE SCH 40 GALVANIZED WITH GALVANIZED MALEABLE FITTINGS. ALL RAW STEEL THREADS WILL BE PAINTED TO MATCH GALVANIZED COATINGS FOR CORROSION PROTECTION. PIPING WILL BE LABELED IN ACCORDANCE WITH GOVERNING STANDARDS / SPECIFICATIONS.
 - 8) EMS WILL REUSE EXISTING GAS REGULATORS, BUT THE EXISTING SYSTEM IS MEGA PRESS AND THE NEW SYSTEM IS SCH 40 THREADED. PIPE SUPPORTS WILL BE B-LINE C-10 BLOCKS OR EQUAL WITH GALVANIZED PLATED STRUT AS SHOWN ON THE SHOP DRAWINGS. THIS WILL ALLOW THE GAS LINE TO BE INSTALLED IN ONE HORIZONTAL PLANE WITH SUPPORT MEMBERS VARYING BASED ON ROOF TAPER.



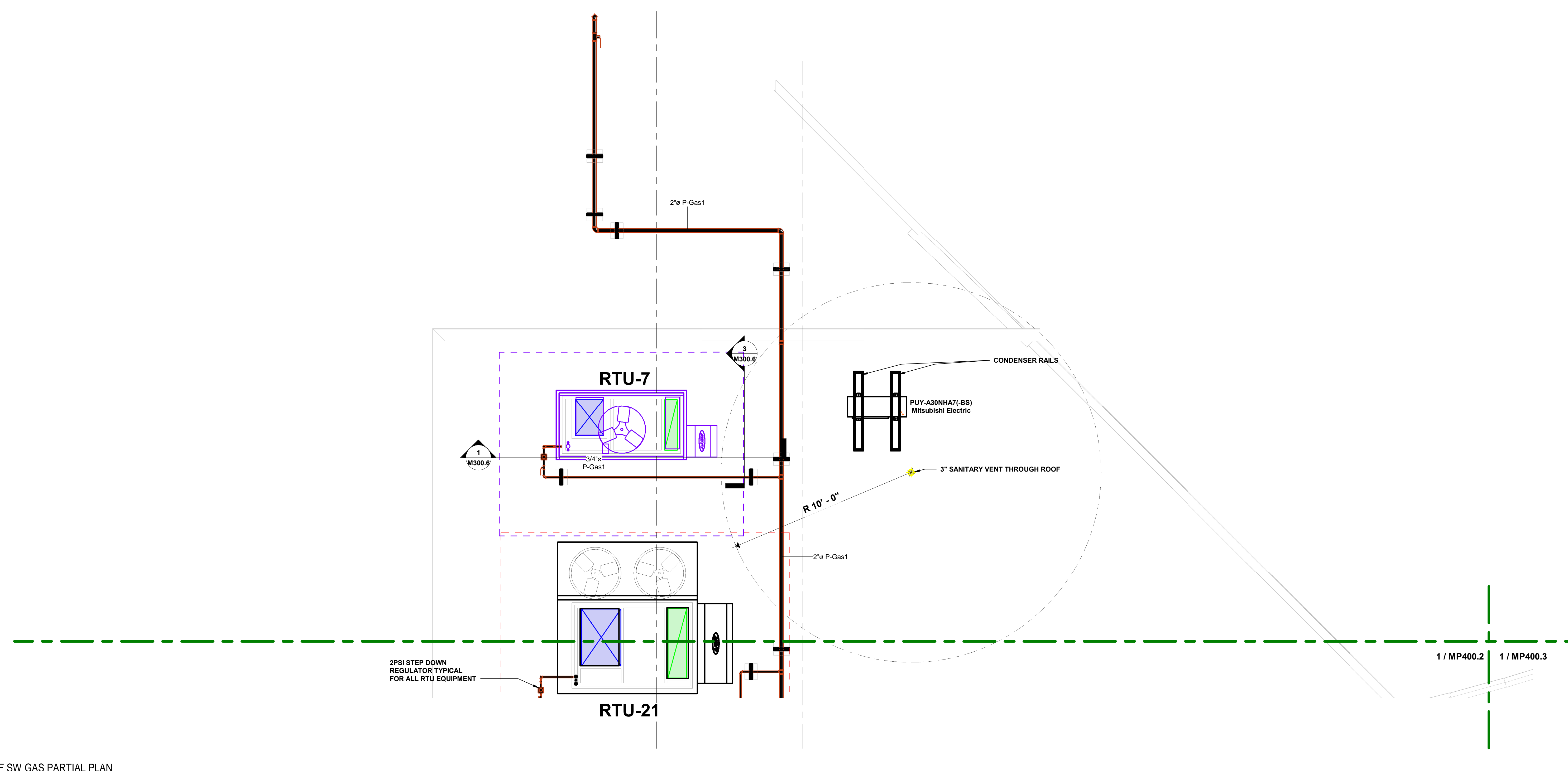
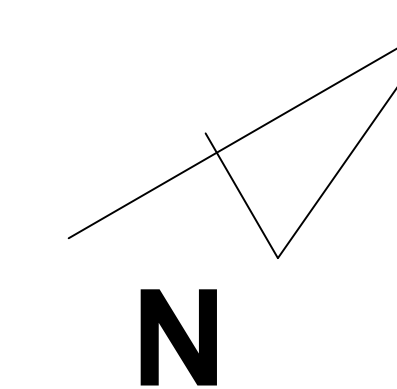
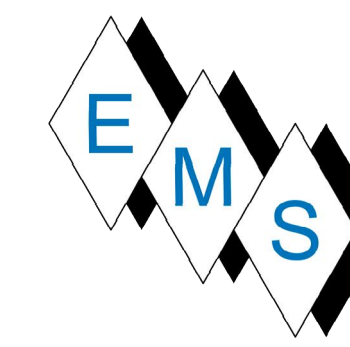
No.	Description	Date

BLACKROCK CONGREGATIONAL CHURCH
2ND FLOOR RENOVATION

SECOND FLOOR RENOVATIONS

MASTER ROOF PLAN AS-BUILT

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.



1 ROOF SW GAS PARTIAL PLAN
 MP400.1 SCALE: 3/8" = 1'-0"

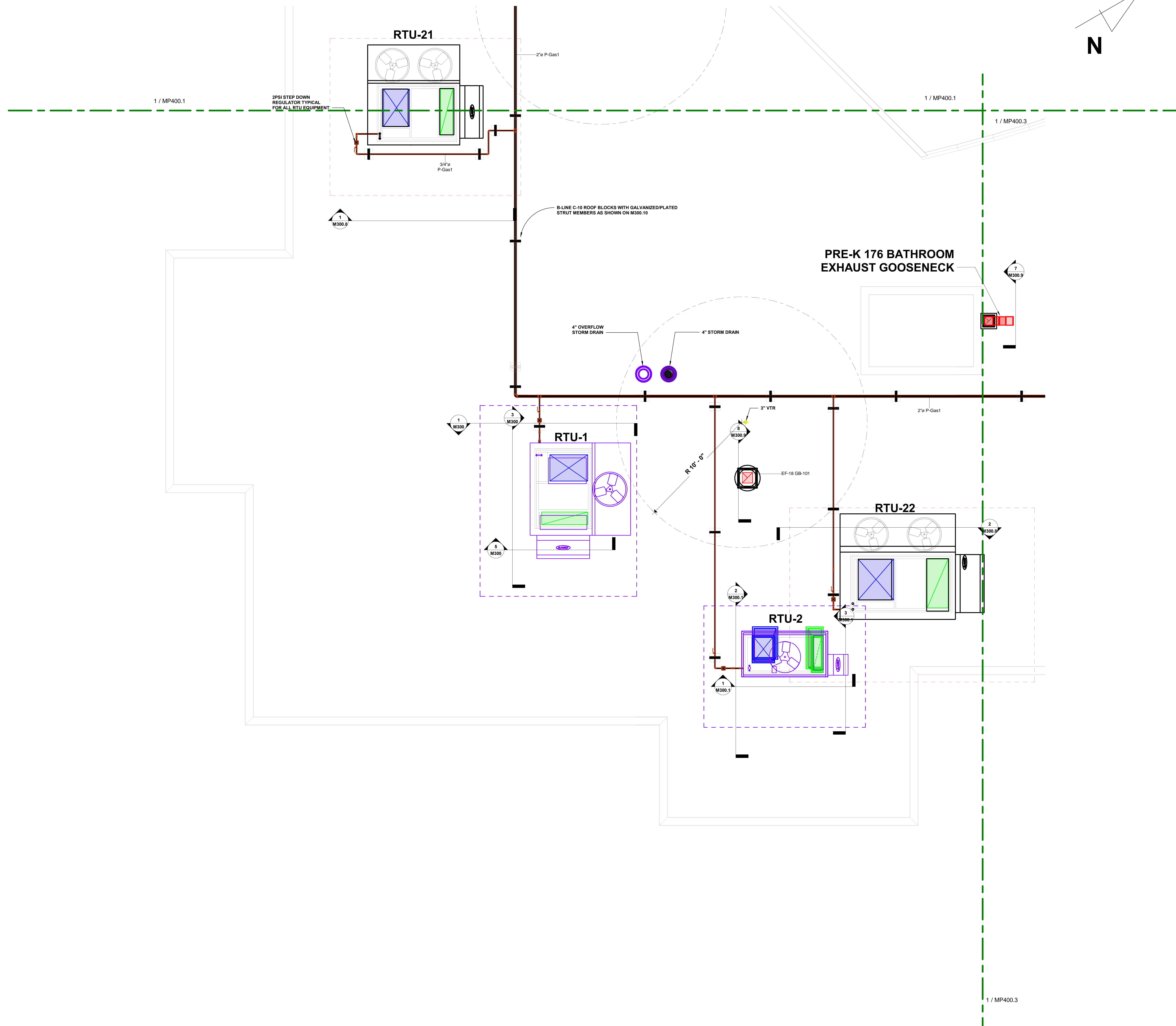
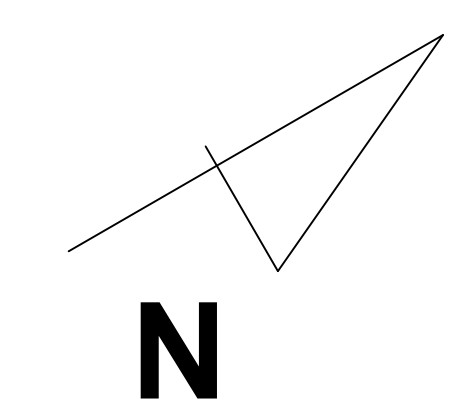
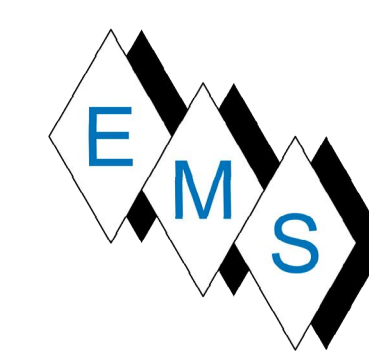
No.	Description	Date

BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR
 RENOVATIONS

ROOF SW PLB HVAC
 PARTIAL AS-BUILT

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

MP400.1



No.	Description	Date

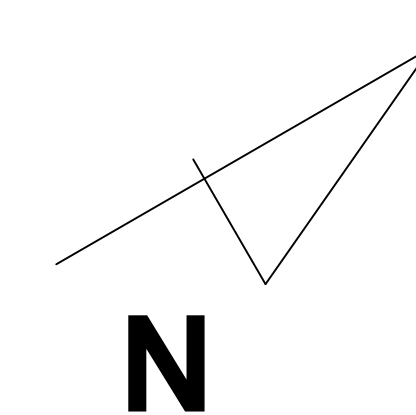
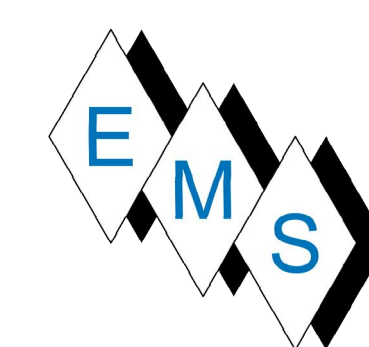
BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION

 SECOND FLOOR
 RENOVATIONS

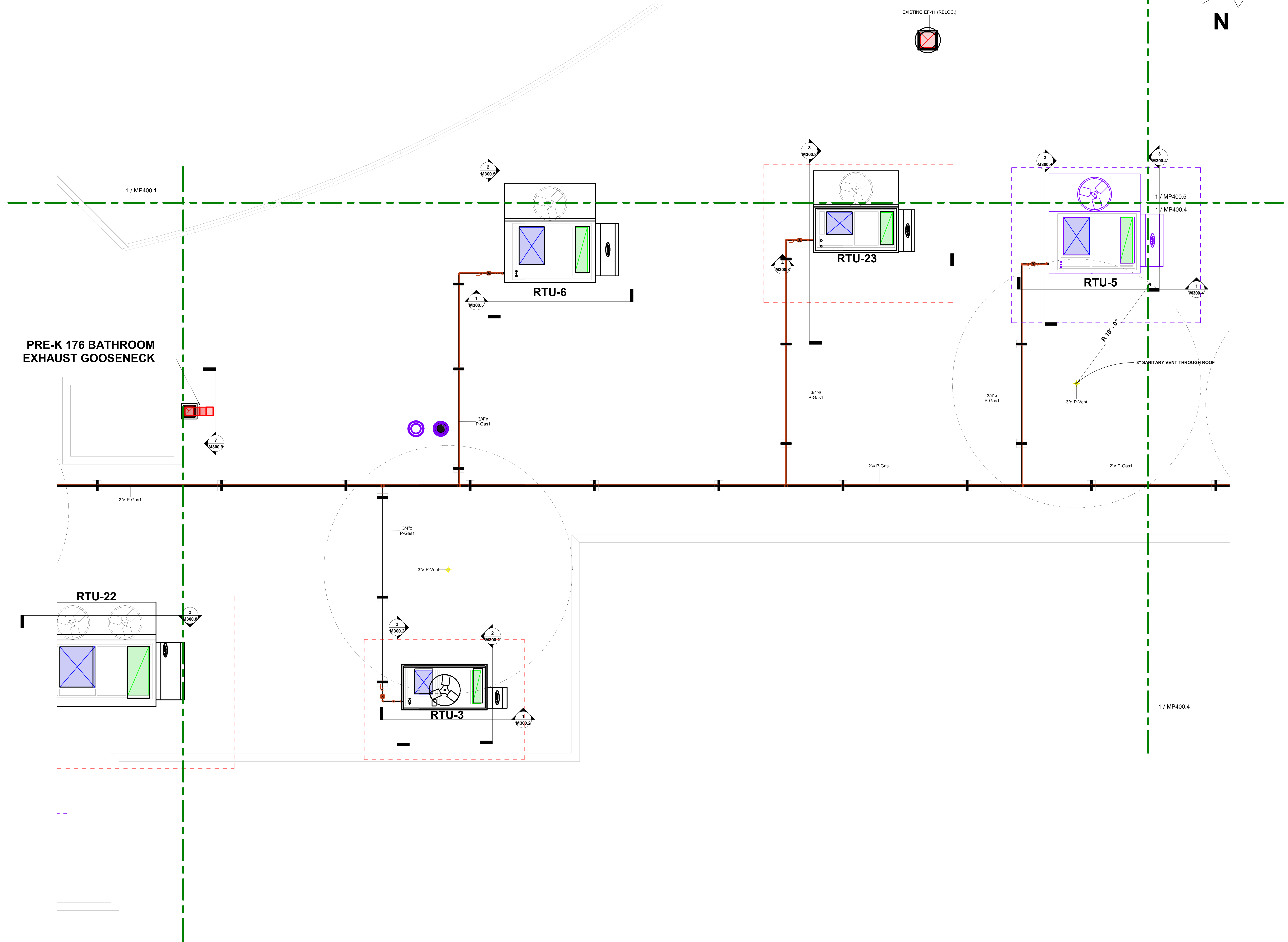
ROOF SE PLB HVAC
 PARTIAL AS-BUILT

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

MP400.2



EXISTING EF-11 (RELOC.)



PRE-K 176 BATHROOM
EXHAUST GOOSENECK

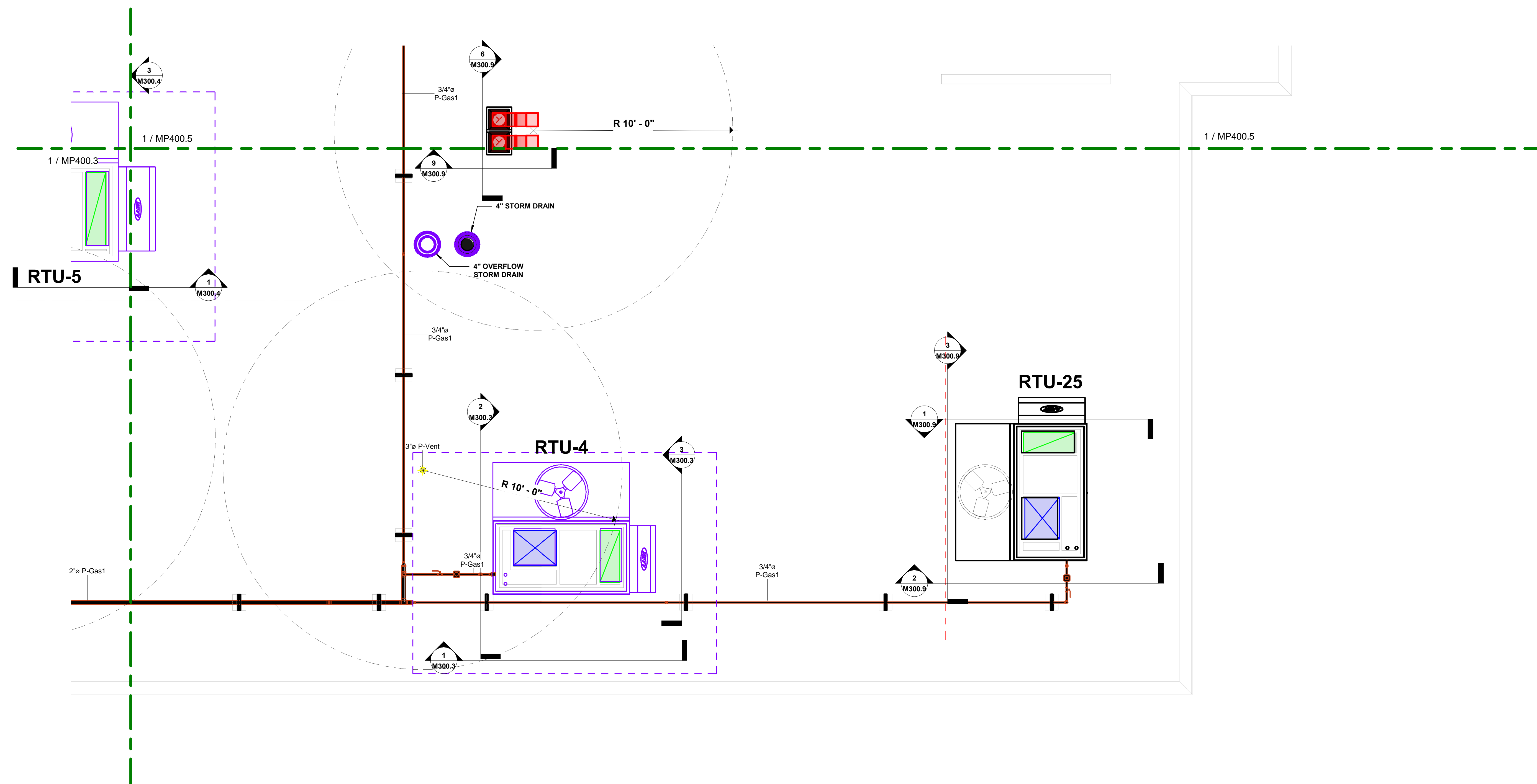
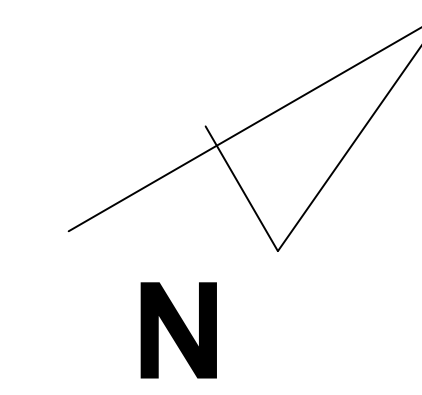
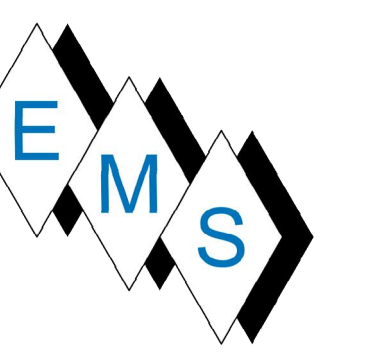
No.	Description	Date

BLACKROCK
CONGREGATIONAL CHURCH
2ND FLOOR RENOVATION

SECOND FLOOR
RENOVATIONS

ROOF MID-SECTION PLB
HVAC AS-BUILT

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.



1 ROOF NE GAS PARTIAL PLAN
 MP400.4 SCALE: 3/8" = 1'-0"

No.	Description	Date

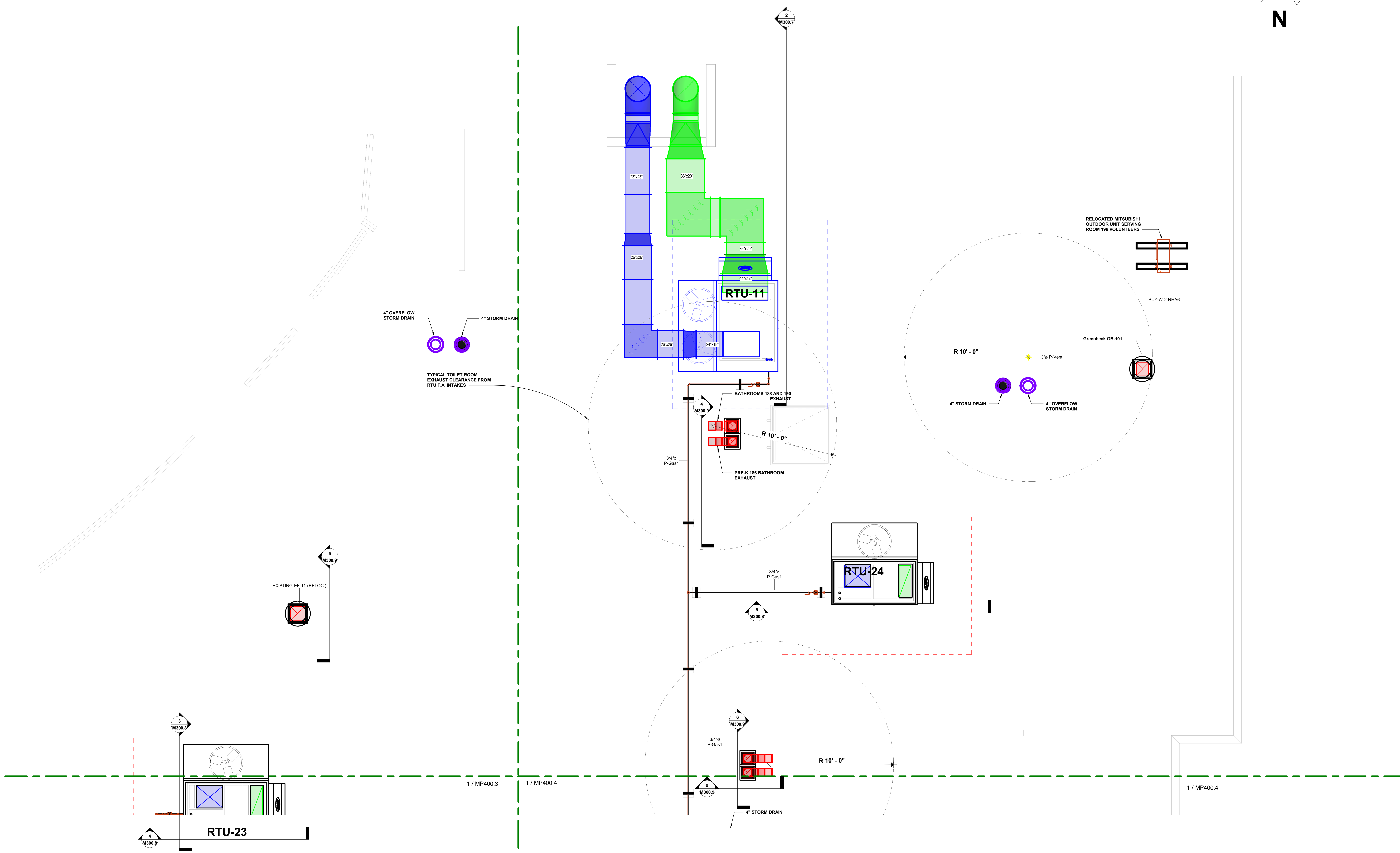
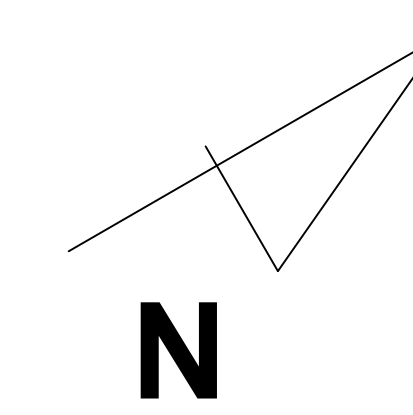
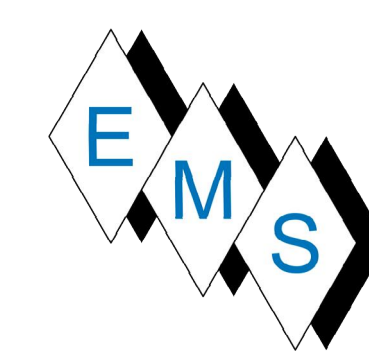
BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION

SECOND FLOOR
 RENOVATIONS

ROOF NE PLB HVAC
 PARTIAL AS-BUILT

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

MP400.4



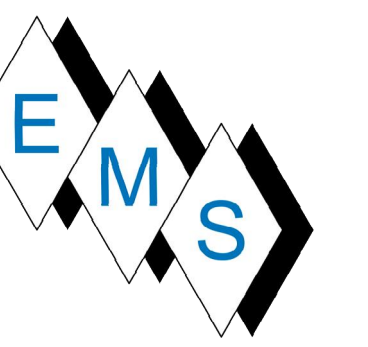
No.	Description	Date

BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION

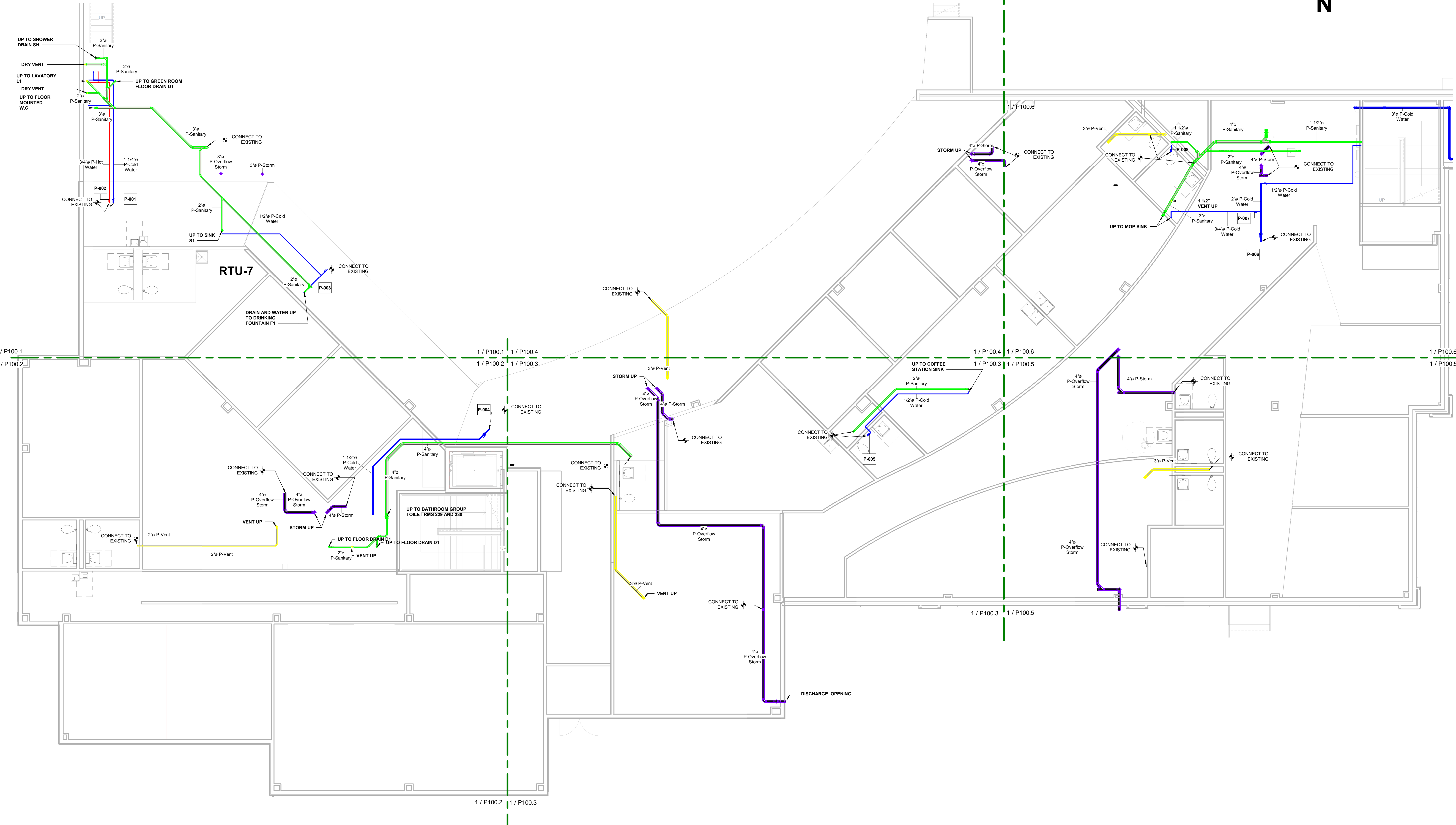
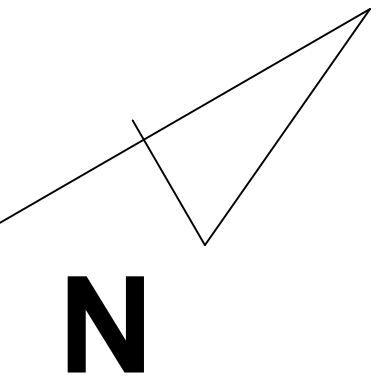
SECOND FLOOR
 RENOVATIONS

ROOF NW PLB HVAC
 PARTIAL AS-BUILT

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.



NOTE:
 P-XXX DENOTES VALVE TAG NUMBER
 P = PLUMBING
 G = GAS



No.	Description	Date

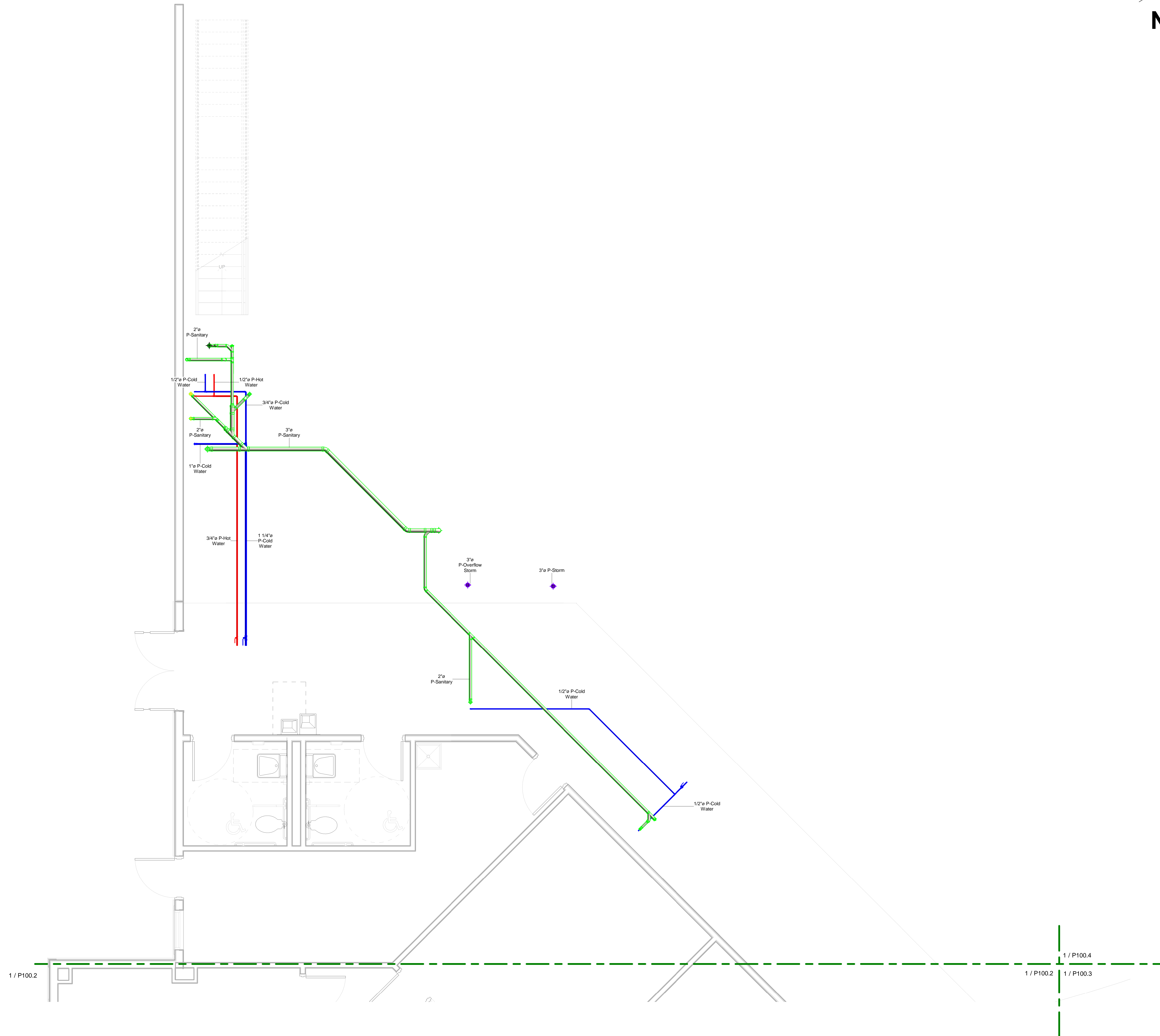
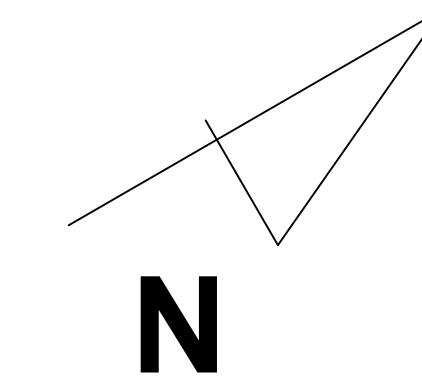
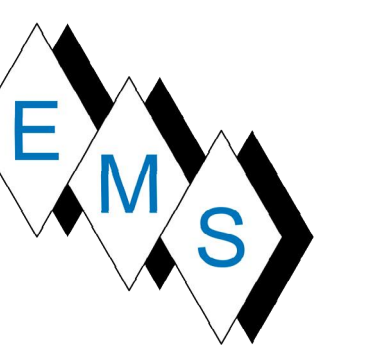
**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION**

**SECOND FLOOR
 RENOVATIONS**

**1ST FLR PLB PLAN
 AS-BUILT**

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

P100.0



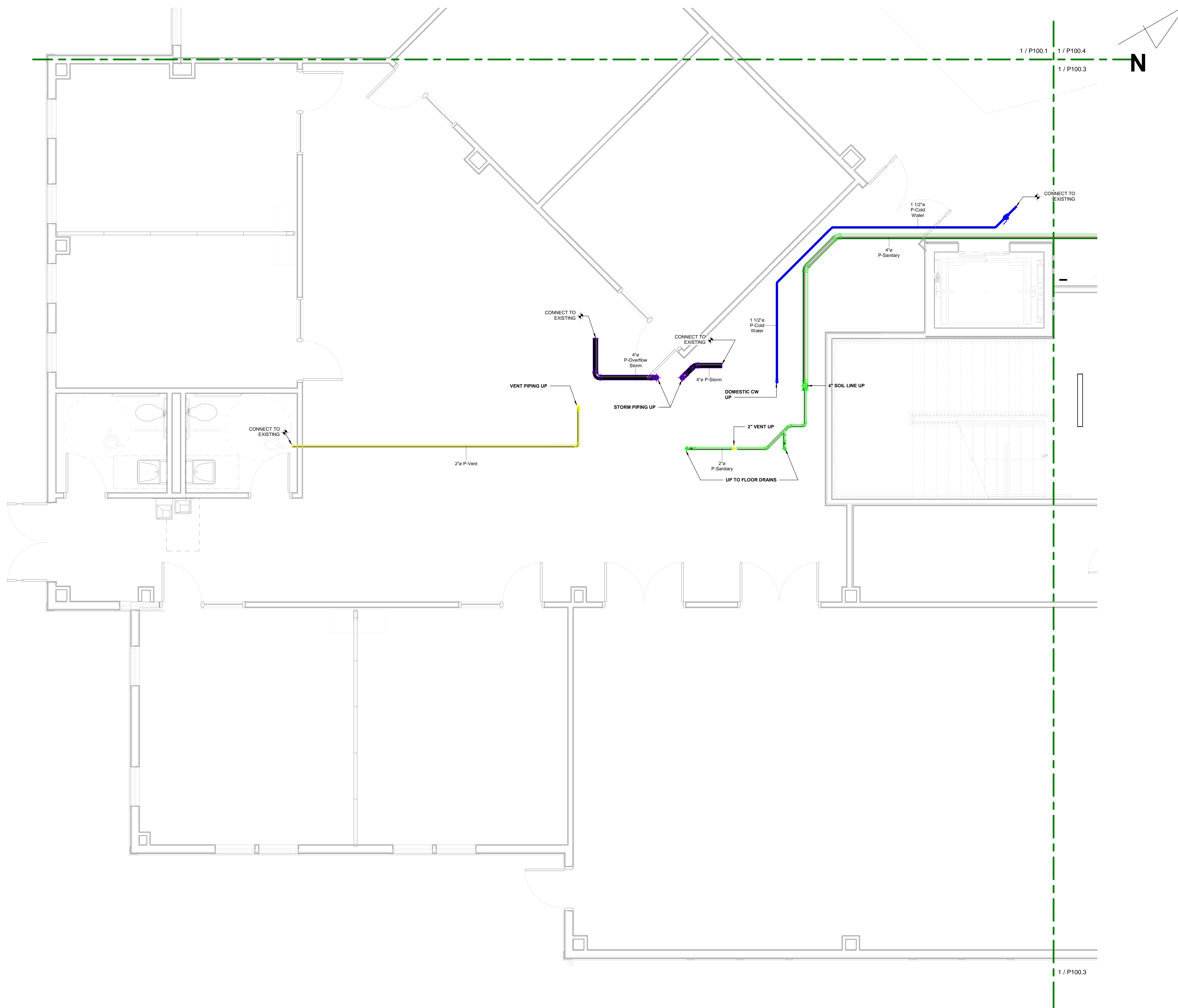
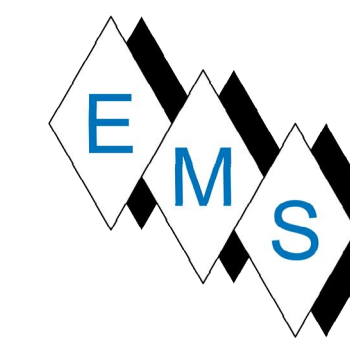
No.	Description	Date

**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR
 RENOVATIONS**

1S FLR SW PLB PARTIAL
 AS-BUILT PLAN

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

P100.1



1 1ST FLOOR SE PLB PARTIAL AS-BUILT
 P100.2 SCALE: 3/8" = 1'-0"

No.	Description	Date

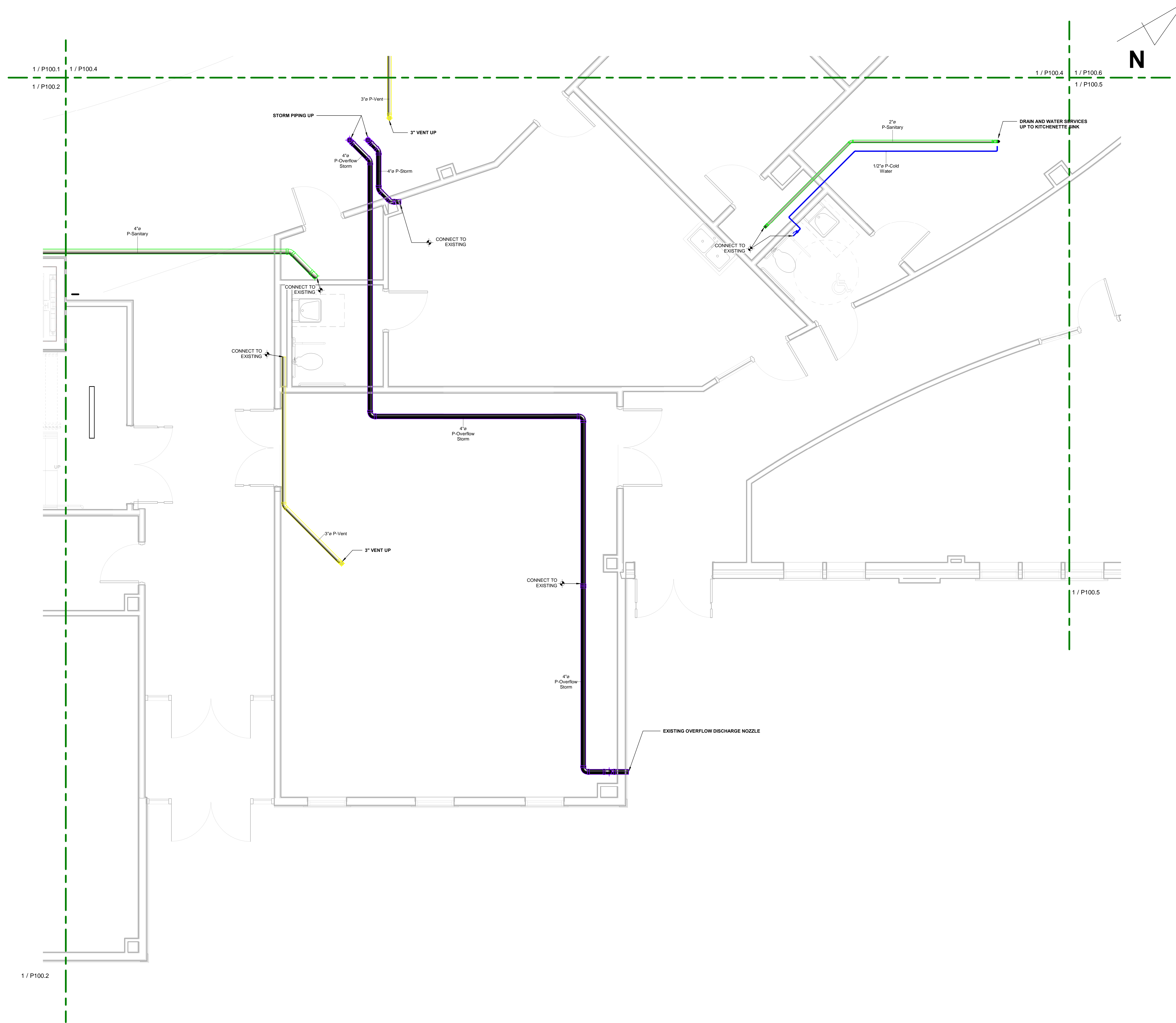
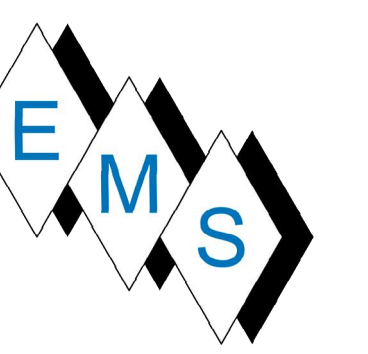
**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION**

**SECOND FLOOR
 RENOVATIONS**

1ST FLR SE PLB PARTIAL
 AS-BUILT PLAN

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

P100.2



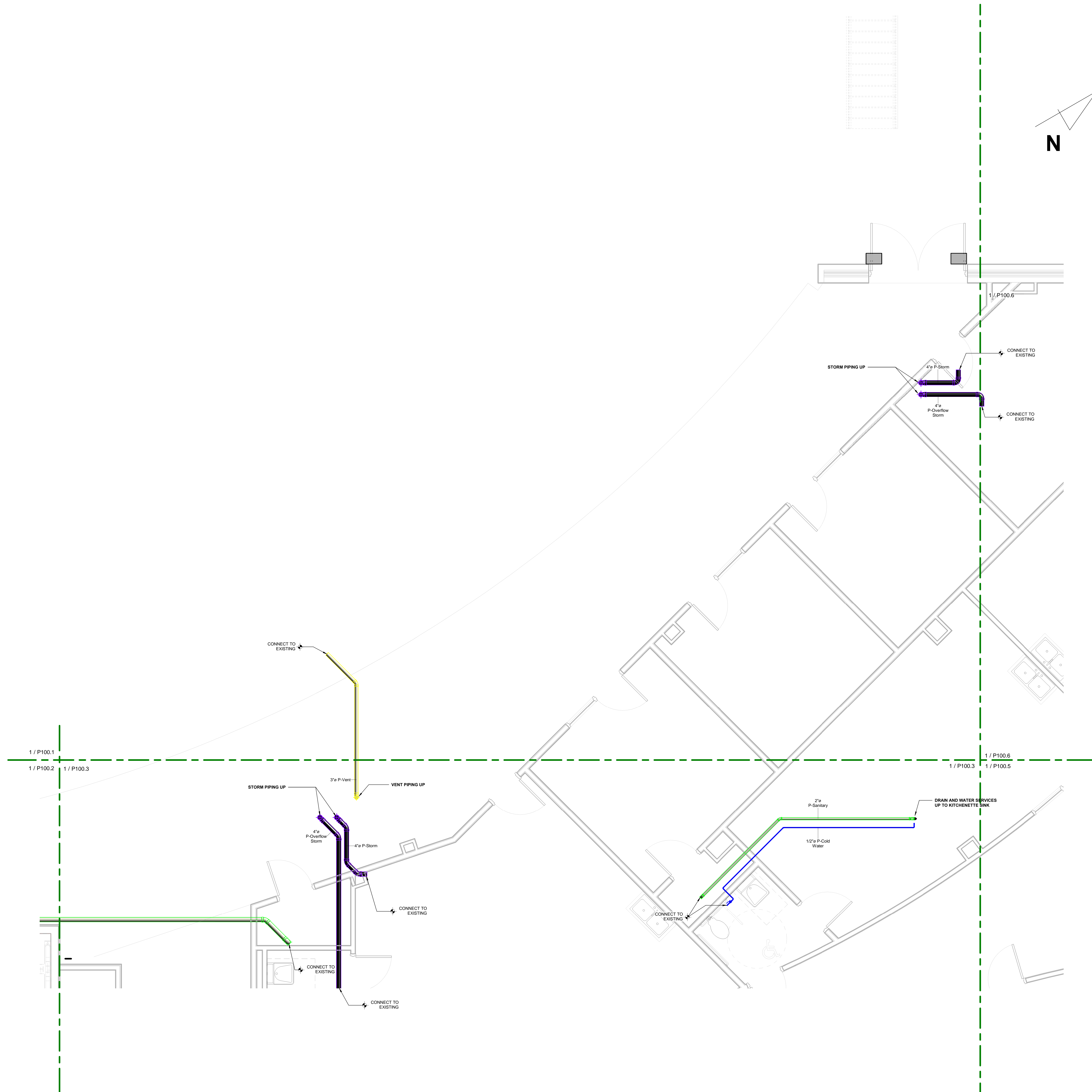
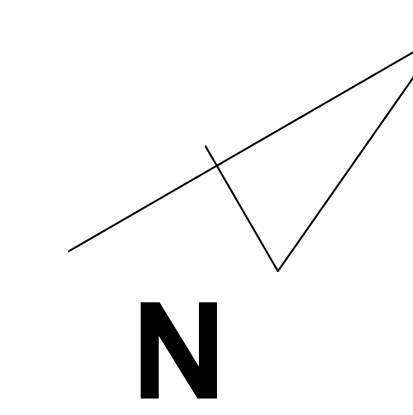
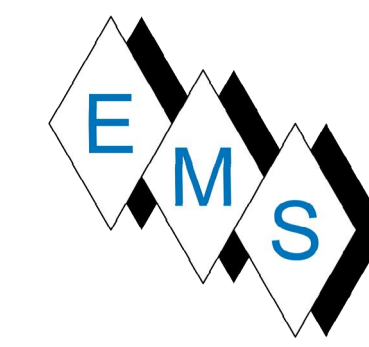
No.	Description	Date

**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR
 RENOVATIONS**

1ST FLR MID EAST PLB
 PARTIAL AS-BUILT PLAN

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

P100.3



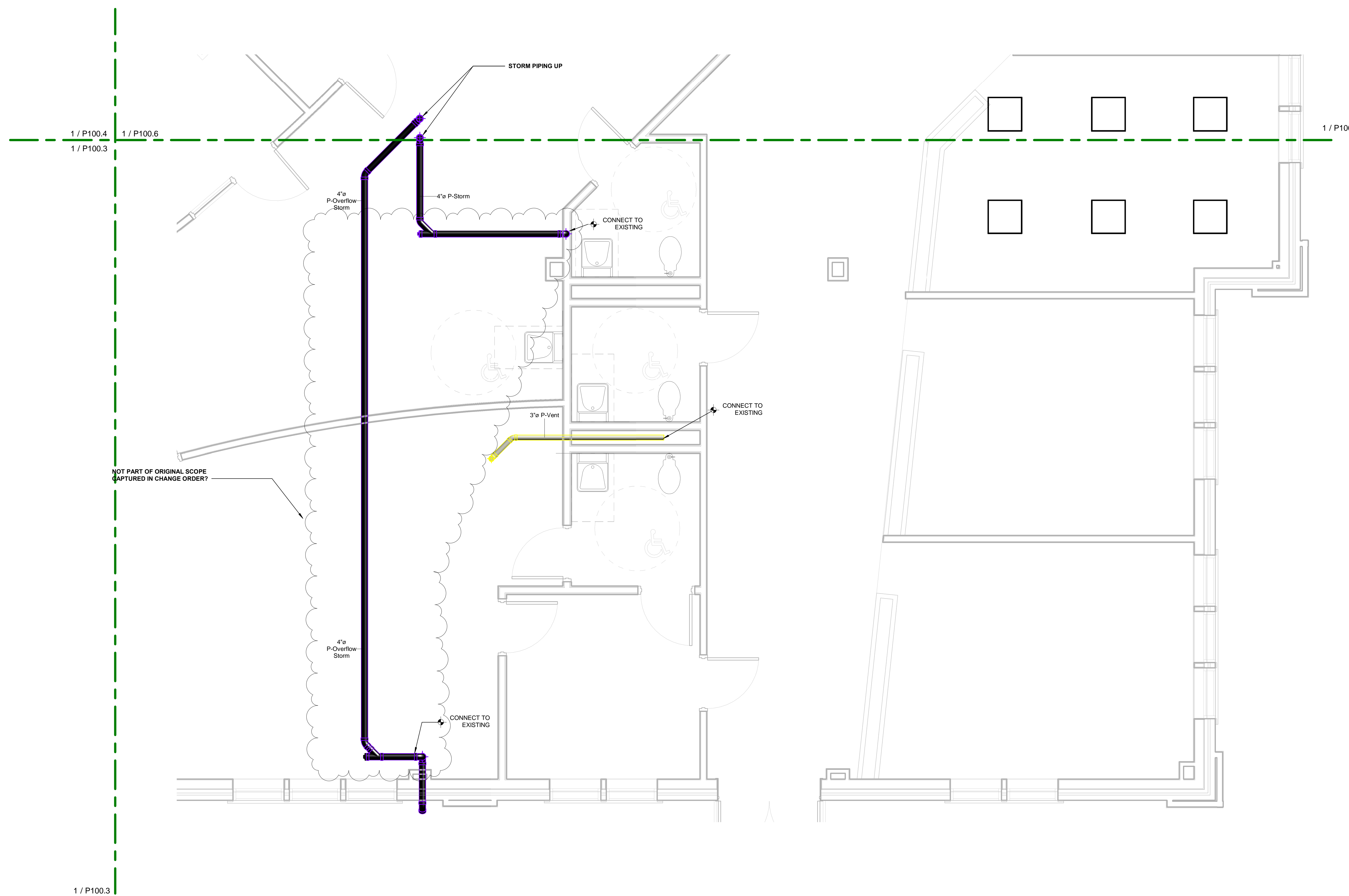
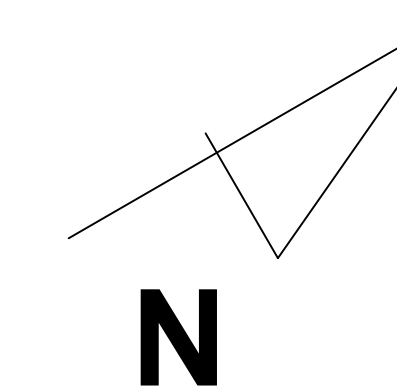
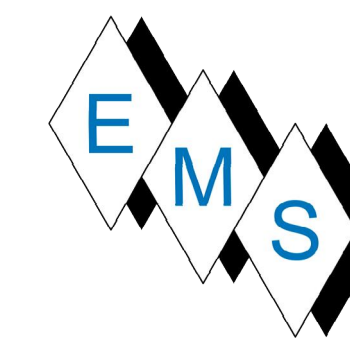
No.	Description	Date

**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR
 RENOVATIONS**

**1ST FLR MID WEST PLB
 PARTIAL AS-BUILT PLAN**

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

P100.4



1 1ST FLOOR NE PLB PARTIAL AS-BUILT
 P100.5 SCALE: 3/8" = 1'-0"

No.	Description	Date
1	MOVED RTU-3 AWAY FROM D LINE CLARIFIED CURB ID	11/19/18

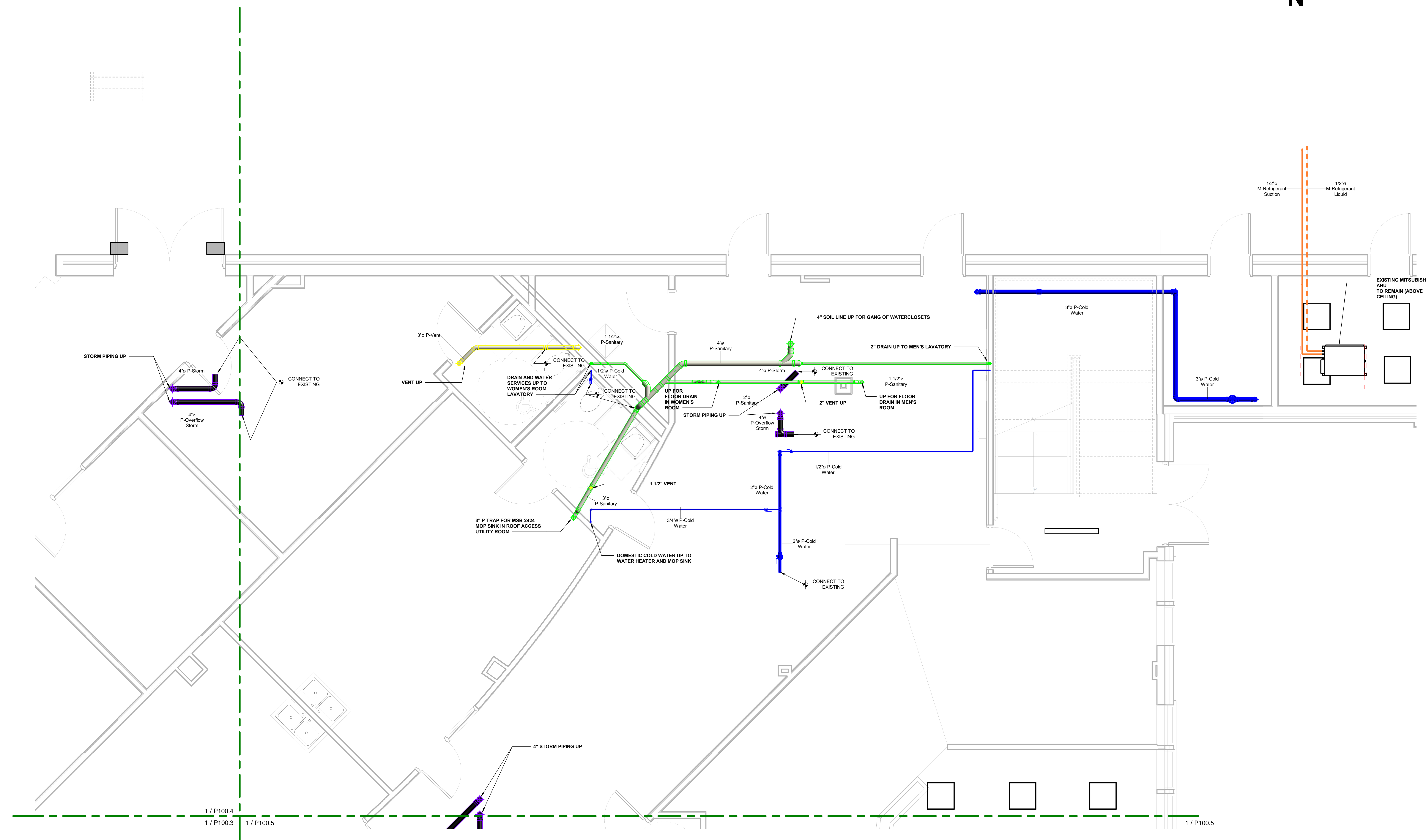
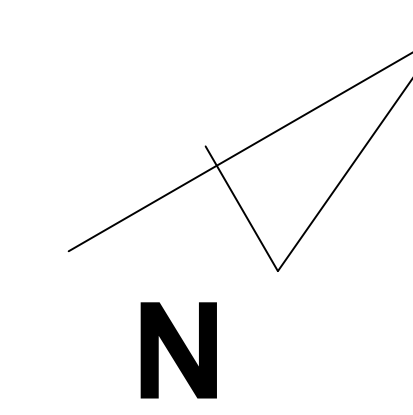
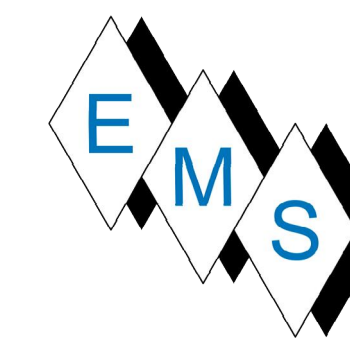
BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION

SECOND FLOOR
 RENOVATIONS

1ST FLR NE PLB PARTIAL
 AS-BUILT PLAN

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

P100.5



No.	Description	Date

1 1ST FLOOR NW PLB PARTIAL AS-BUILT
 P100.6 SCALE: 3/8" = 1'-0"

**BLACKROCK CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION**

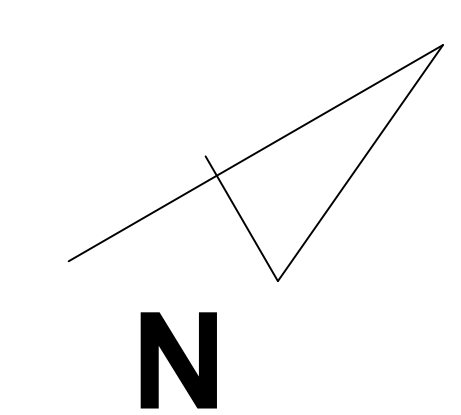
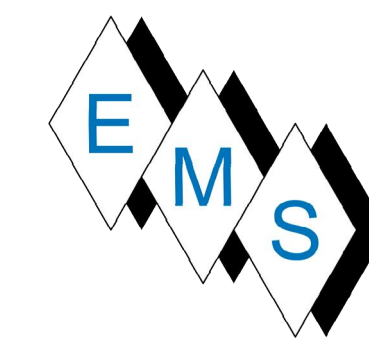
SECOND FLOOR RENOVATIONS

1ST FLR NW PLB PARTIAL AS-BUILT PLAN

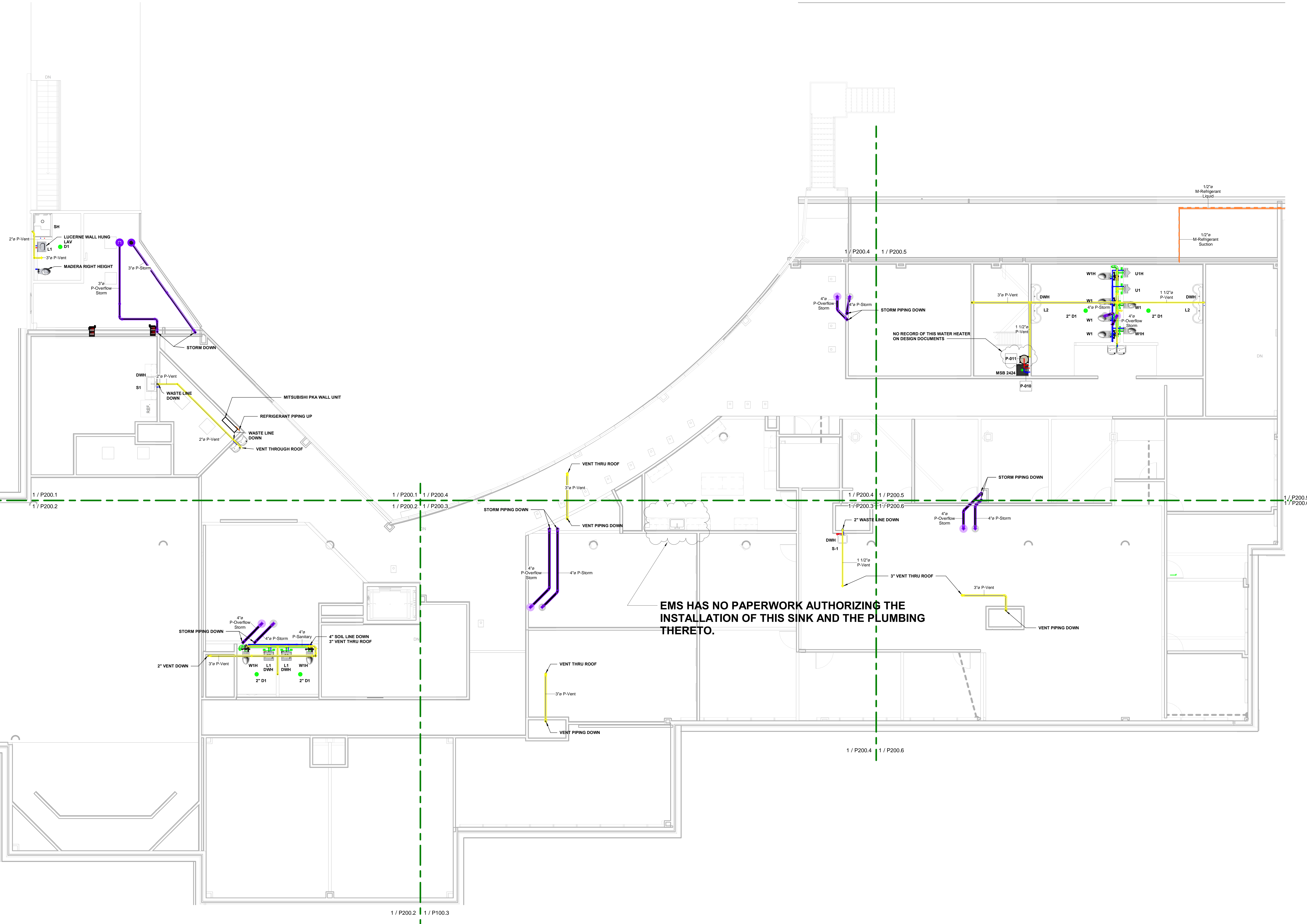
Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

P100.6

10/23/2019 5:19:39 PM



NOTE:
 P-XXX DENOTES VALVE TAG NUMBER
 P = PLUMBING
 G = GAS



No.	Description	Date
1	MOVED RTU-3 AWAY FROM D LINE - CLARIFIED CURB ID	11/19/18

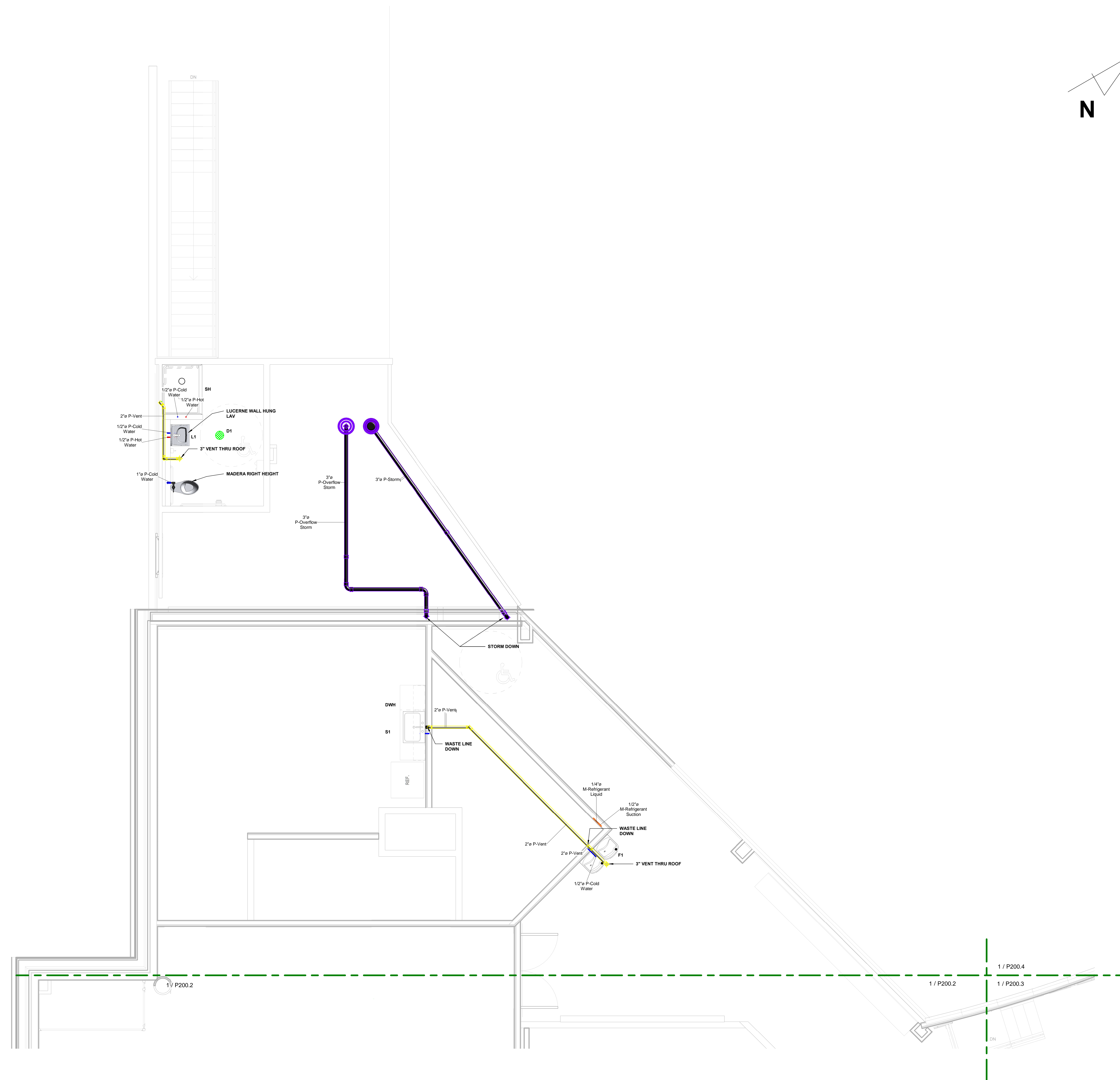
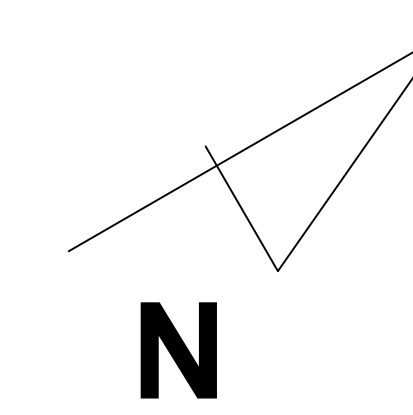
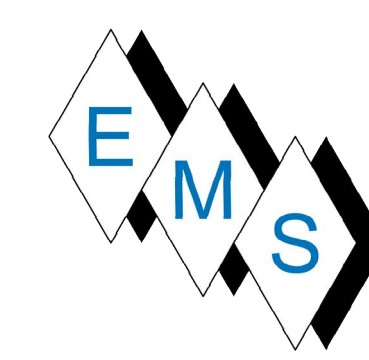
BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION

 SECOND FLOOR
 RENOVATIONS

2ND FLR COORINATION
 PLB AS-BUILT

Project Number 4845
 Date 10/23/19
 Drawn By T.H.
 Checked By S.C.

P200.0



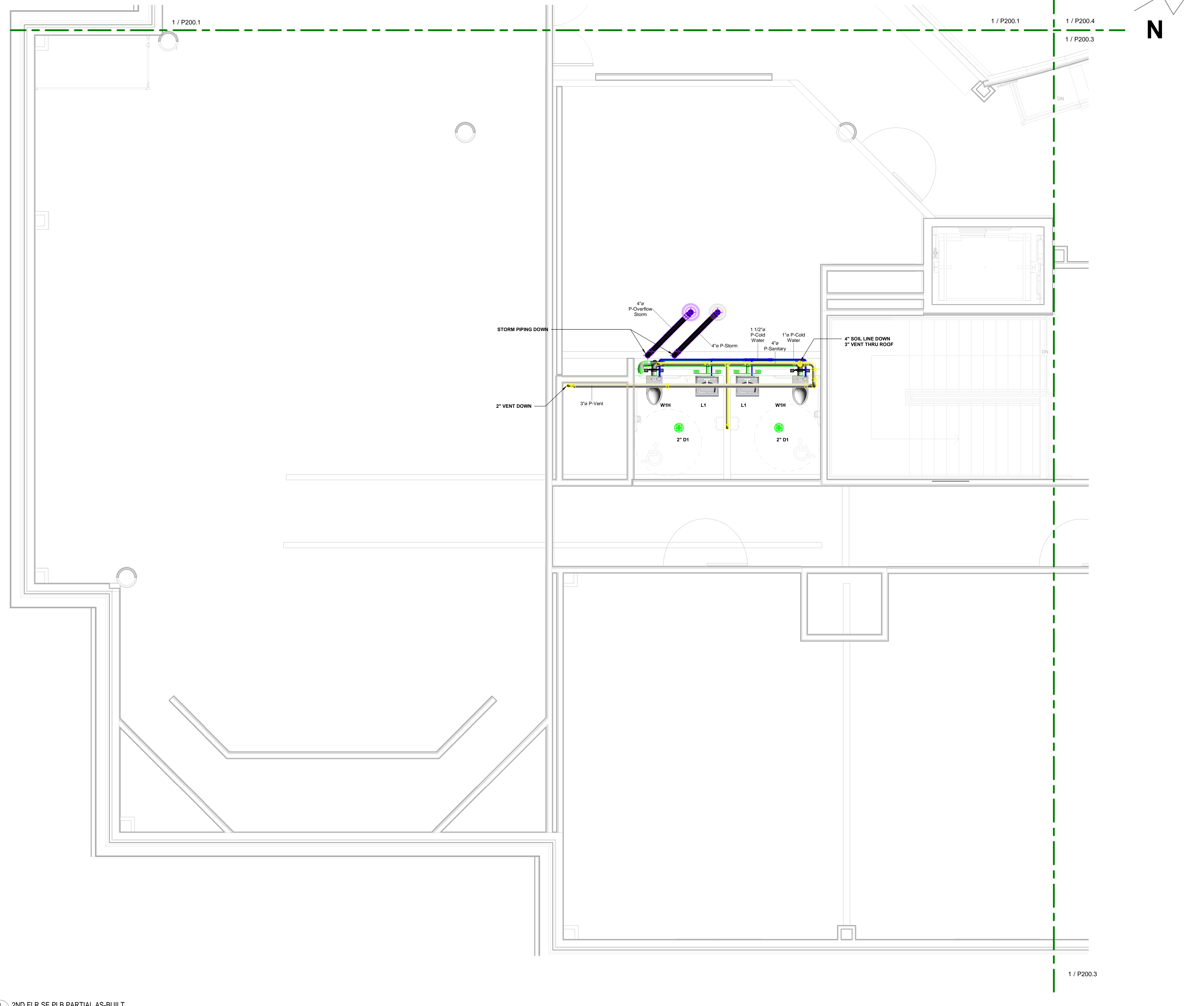
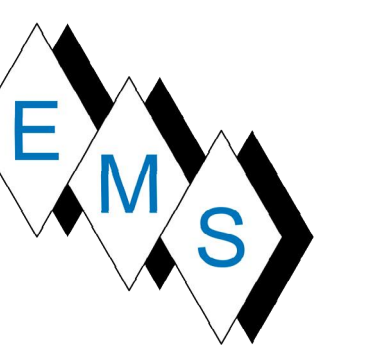
No.	Description	Date

**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR
 RENOVATIONS**

**2ND FLR SW PLB PARTIAL
 AS-BUILT PLAN**

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

P200.1



1 2ND FLR SE PLB PARTIAL AS-BUILT
 P200.2 SCALE: 3/8" = 1'-0"

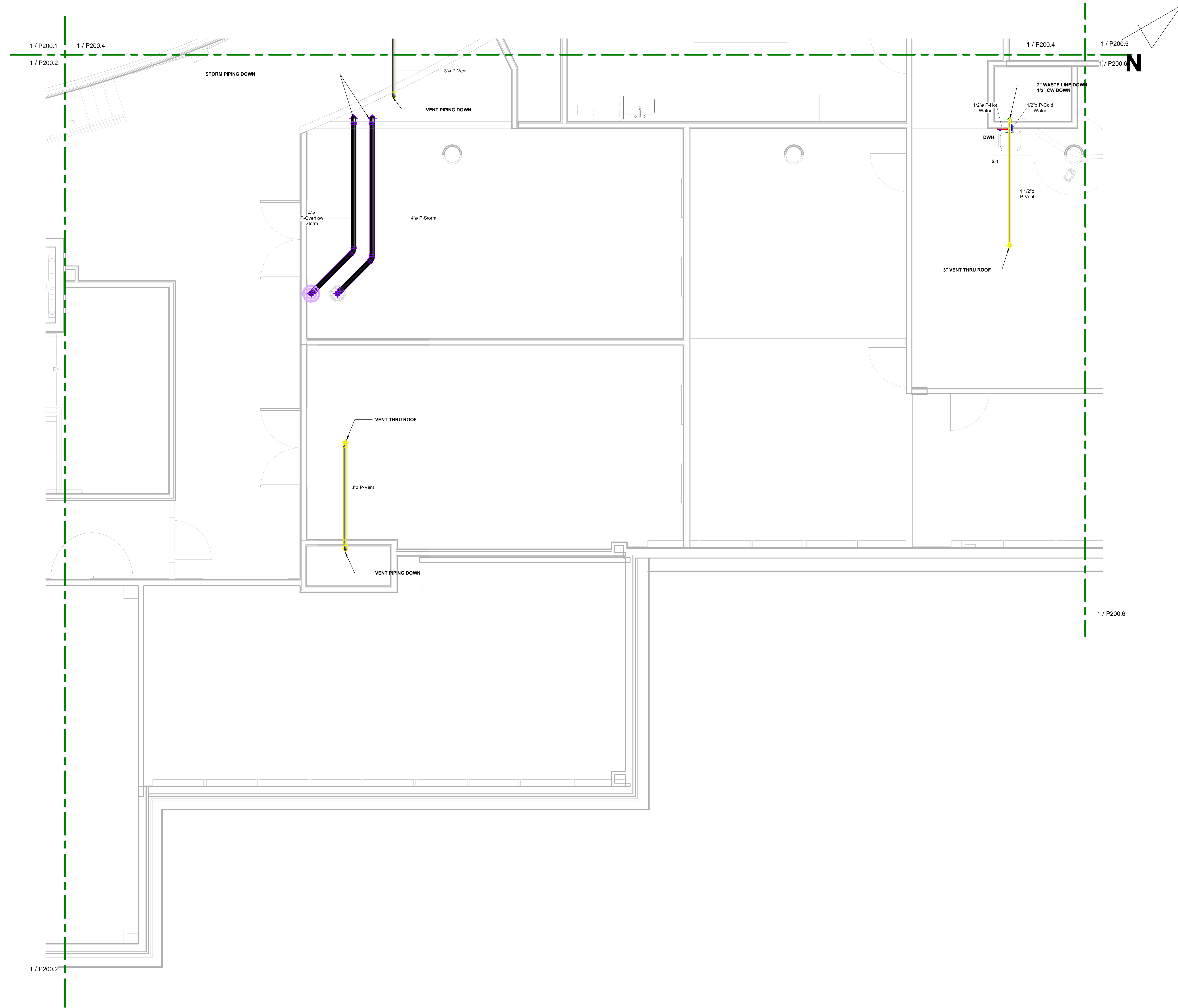
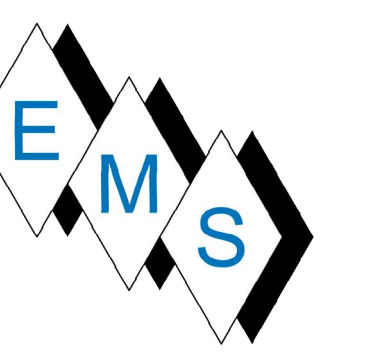
No.	Description	Date

**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR
 RENOVATIONS**

2ND FLR SE PLB PARTIAL
 AS-BUILT PLAN

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

P200.2



1 2ND FLR MID EAST PLB PARTIAL AS-BUILT
 P200.3 / SCALE: 3/8" = 1'-0"

No.	Description	Date

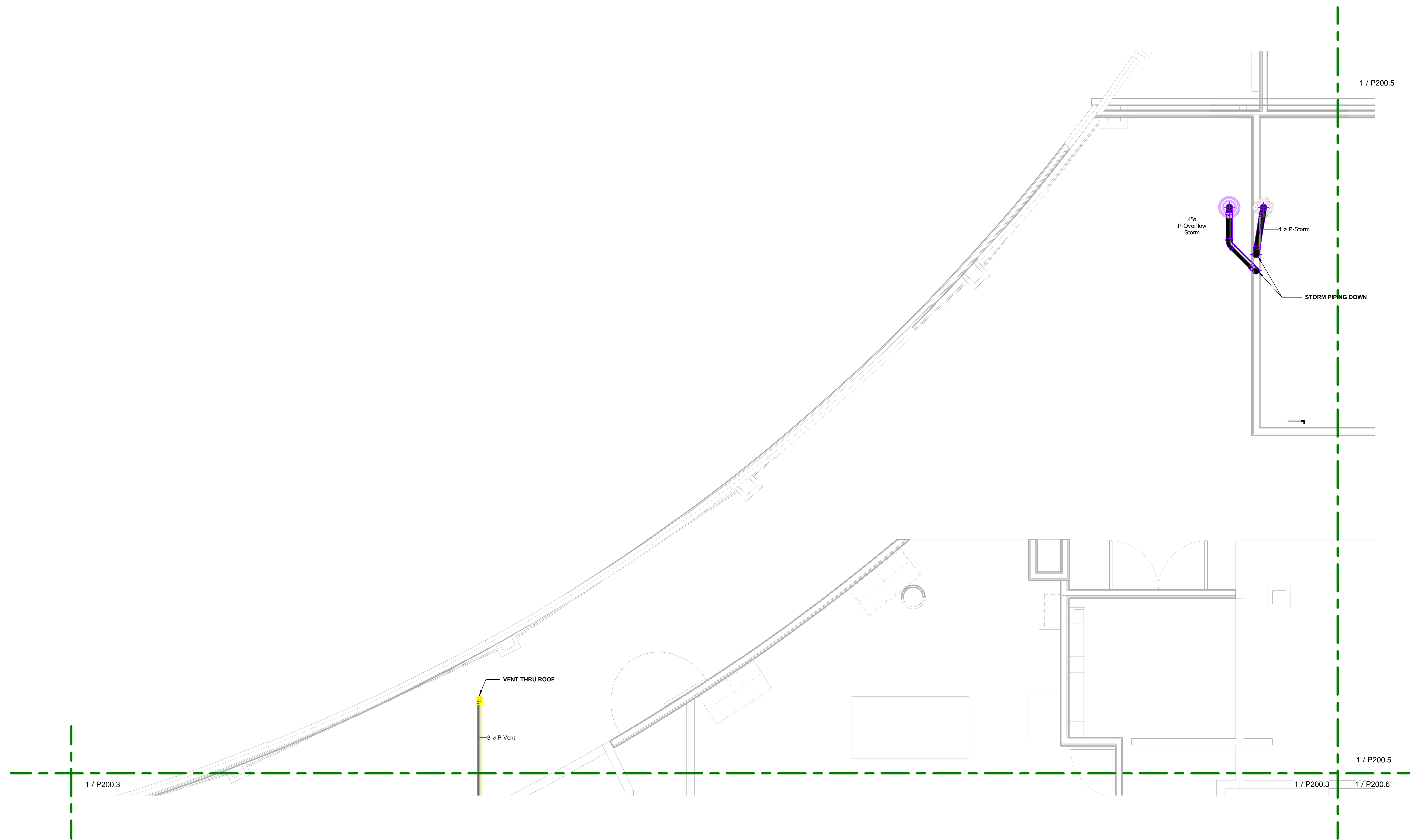
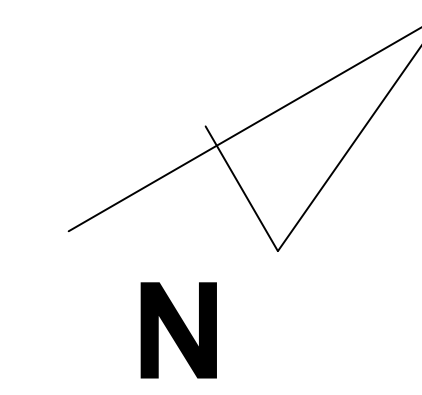
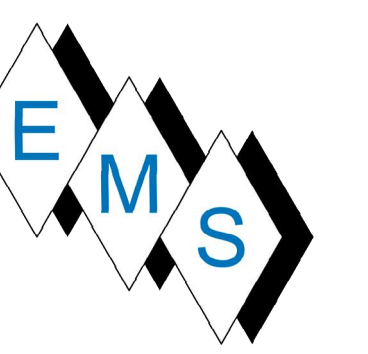
**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION**

**SECOND FLOOR
 RENOVATIONS**

**2ND FLR MID EAST PLB
 PARTIAL AS-BUILT PLAN**

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

P200.3



1 2ND FLR MID WEST PLB PARTIAL AS-BUILT
 P200.4 SCALE: 3/8"=1'-0"

No.	Description	Date

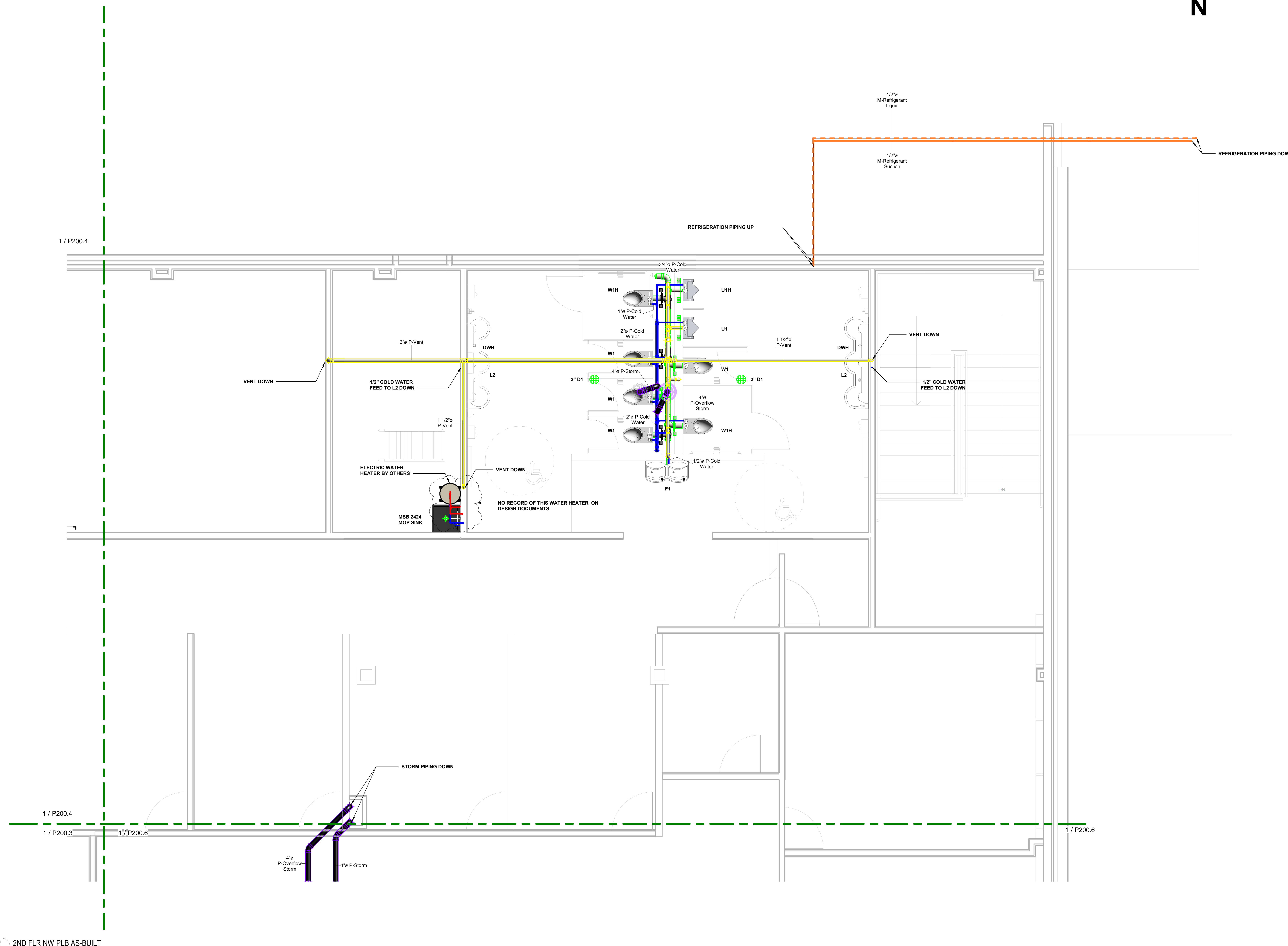
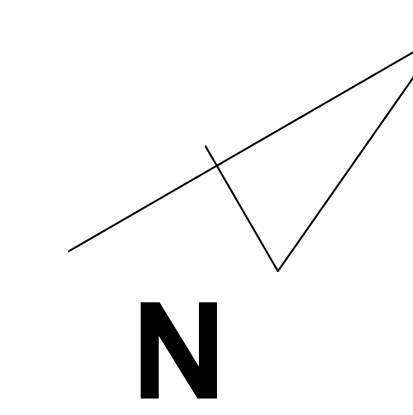
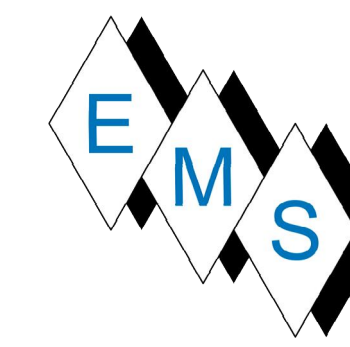
**BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION**

**SECOND FLOOR
 RENOVATIONS**

2ND FLR MID WEST PLB
 PARTIAL AS-BUILT PLAN

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	S.C.

P200.4



1 2ND FLR NW PLB AS-BUILT
 P200.5 SCALE: 3/8"=1'-0"

No.	Description	Date
1	MOVED RTU-3 AWAY FROM D LINE CLARIFIED CURB ID	11/19/18

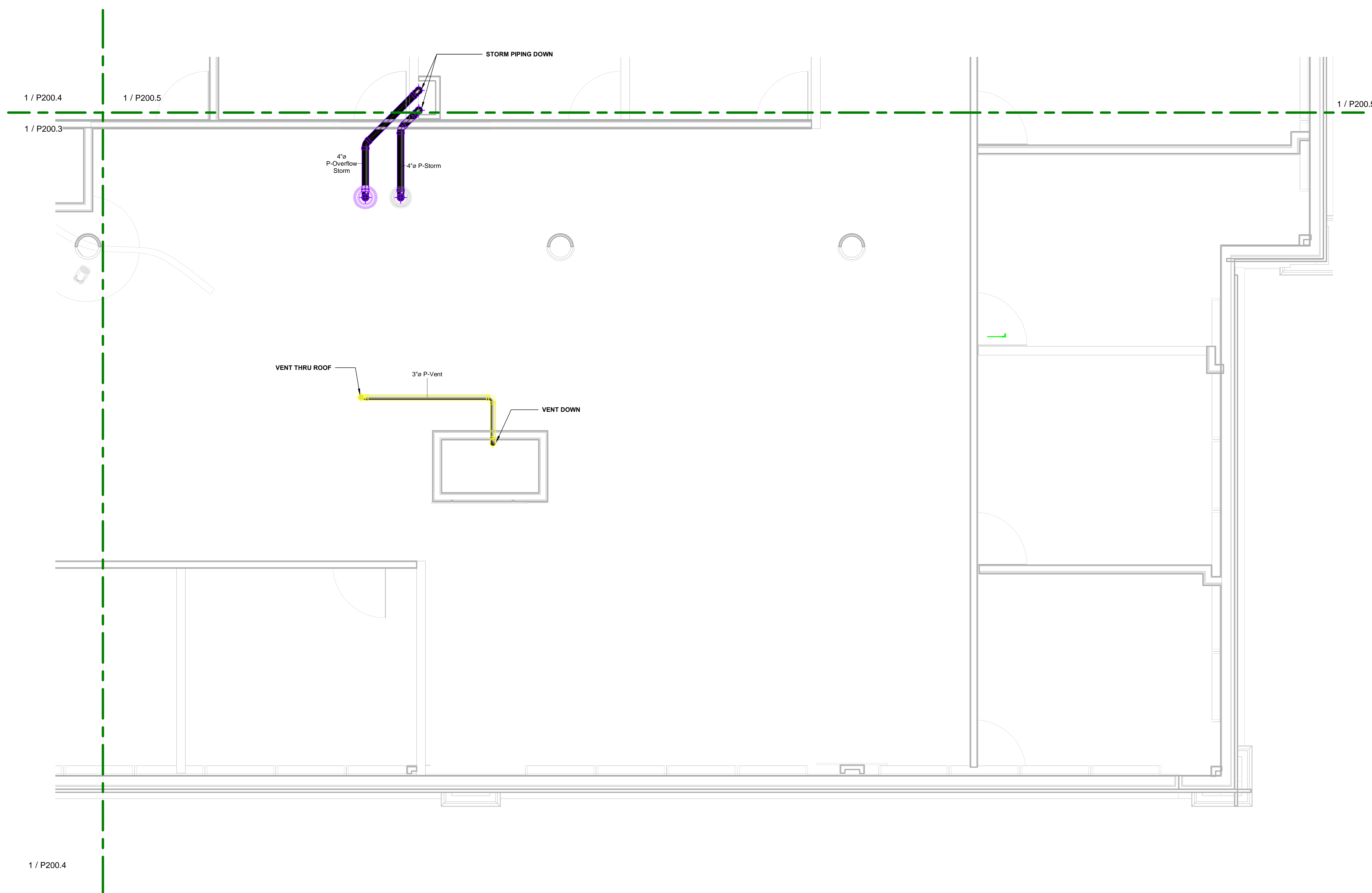
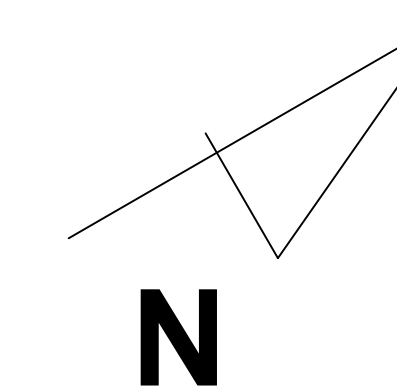
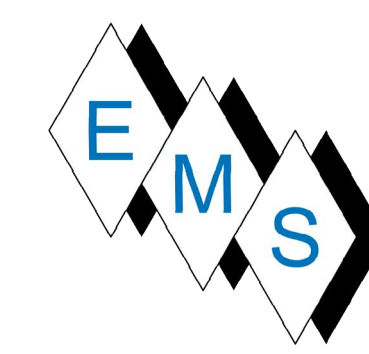
BLACKROCK CONGREGATIONAL CHURCH
2ND FLOOR RENOVATION
SECOND FLOOR RENOVATIONS

2ND FLR NW PLB PARTIAL AS-BUILT PLAN

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	J.M.

P200.5

10/23/2019 5:20:35 PM



1 2ND FLR NE PLB PARTIAL AS-BUILT
 P200.6 SCALE: 3/8" = 1'-0"

No.	Description	Date

BLACKROCK
 CONGREGATIONAL CHURCH
 2ND FLOOR RENOVATION
 SECOND FLOOR
 RENOVATIONS

2ND FLR NE PLB PARTIAL
 AS-BUILT PLAN

Project Number	4845
Date	10/23/19
Drawn By	T.H.
Checked By	J.M.

P200.6