



**SOLICITATION RFQ-OCAT-2403**

**REQUEST FOR QUALIFICATIONS**

**ADDENDUM NO. 3**

**HANGAR 4**

**CONSTRUCTION MANAGEMENT AT RISK SERVICES**

**WILL ROGERS WORLD AIRPORT**



## **Addendum No. 3**

**Date Issued:** January 12, 2024

**To:** Prospective Proposers

**From:** John Storms, Manager of Planning and Development

**Through:** Jeff Mulder, Director of Airports

**Subject:** RFQ – OCAT – 2403

**Note:** Items in this Addendum take precedence over the original RFQ – OCAT – 2403 Solicitation Documents, dated December 21, 2023, and any previous Addendum(s). Items not specifically revised remain in effect.

On December 22, 2023, the Oklahoma City Airport Trust (“Trust”) issued Request for Qualifications RFQ – OCAT – 2403 Hangar 4 Construction Management At Risk Services. On January 5, 2024, the Trust issued the Addendum No. 1 and on January 11, 2024, the Trust issued the Addendum No. 2 for RFQ – OCAT – 2403 Hangar 4 Construction Management At Risk Services.

**Addendum No. 3 consists of the following:**

Attachment of AAR Hangar 4 – NOT FOR CONSTRUCTION drawings to the RFQ Packet.

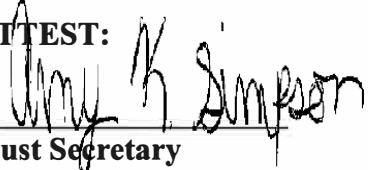
**End of Addendum No. 3**

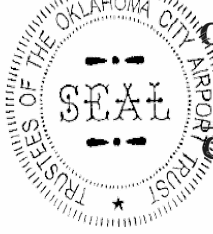



**Approval Recommended:**

  
**Director of Airports/General Manager**

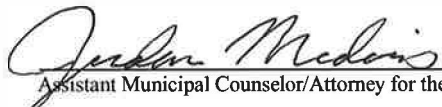
**APPROVED** by the Trustees of the Oklahoma City Airport Trust and signed by the Chairman this 28TH day of MARCH, 2024.

**ATTEST:**  **Trust Secretary**

  **Chairman**

**OKLAHOMA CITY AIRPORT TRUST**

**Reviewed for form and legality.**

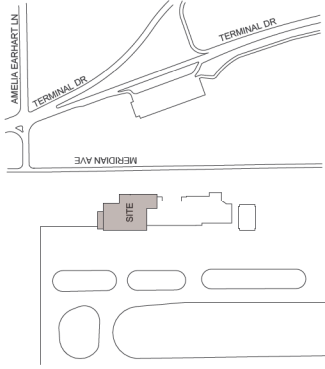
  
Assistant Municipal Counselor/Attorney for the Trust



# AAR Corporation

## New Hangar

Will Rogers World Airport, Oklahoma City, OK



1 1 Vicinity Plan  
SCALE: 1" = 100'



5801 Broadway Extension, Suite 500  
Oklahoma City, OK 73116-7436  
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1. GENERAL NOTES	1
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**PRELIMINARY**



**AAR Corporation**  
**New Hangar**  
**Will Rogers World Airport, Oklahoma City, OK**

[illegible]

PROJECT NUMBER  
FSB2023-086-00

SHEET TITLE

SHEET INDEX

ISSUE DATE  
11/7/2023

SHEET NUMBER  
G-002







1



SCALE 1/2" = 1'-0"







STRUCTURAL - COLD-FORMED METAL DECK - MECHANICAL FASTENERS	
TASK	INSPECTION DESCRIPTION
BEFORE MECHANICAL FASTENING, VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2018 IRC T105.2.2 AND SDI QAO-C-2017 APPENDIX 1 TABLE 1.6	
1	MANUFACTURER INSTALLATION INSTRUCTIONS FOR FASTENERS AVAILABLE
2	PROPER TOOLS FOR FASTENER INSTALLATION
3	PROPER STORAGE PROVIDED FOR FASTENERS
DURING MECHANICAL FASTENING, VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2018 IRC T105.2.2 AND SDI QAO-C-2017 APPENDIX 1 TABLE 1.7	
4	FASTENERS POSITIONED AS REQUIRED
5	FASTENERS INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS
AFTER MECHANICAL FASTENING, VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2018 IRC T105.2.2 AND SDI QAO-C-2017 APPENDIX 1 TABLE 1.8	
6	INSTALLATION OF SUPPORT FASTENERS
7	INSTALLATION OF SHEAR FASTENERS
8	INSTALLATION OF PERPENDICULAR FASTENERS
9	REPAIR ACTIVITIES
10	ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS

STRUCTURAL - STEEL - BOLTING	
TASK	INSPECTION DESCRIPTION
PRIOR TO BOLTING, VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2018 IRC T105.2.1 AND ASCE 360-10 SECTION 5.1	
1	MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS
2	FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS
3	PROPER FASTENERS SELECTED FOR JOINT
4	PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL
5	CONNECTING ELEMENTS, INCLUDING APPROPRIATE TYPING SURFACE CONDITION AND PROTECTIVE COATINGS, ARE SPECIFIED, MEET APPLICABLE REQUIREMENTS
6	PROTECTED STORAGE PROVIDED
7	PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED USING FASTENER ASSEMBLY METHODS (USE)
DURING BOLTING, VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2018 IRC T105.2.1 AND ASCE 360-10 TABLE 10.5.2	
8	FASTENER ASSEMBLIES PLACED IN ALL LOCES REQUIRED
9	JOINT BROUGHT TO SNUG-TIGHT CONDITION PRIOR TO PRETIGHTENING OPERATION
10	FASTENER COMPONENT NOT TURNED BY THE PRETIGHTENING OPERATION
11	FASTENERS PRESTRESSED IN ACCORDANCE WITH DESIGN REQUIREMENTS AND SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE ENDS
12	ACCEPTANCE OR REJECTION OF ALL BOLTED CONNECTIONS

STRUCTURAL - COLD-FORMED METAL DECK - PLACEMENT	
TASK	INSPECTION DESCRIPTION
PRIOR TO DECK PLACEMENT, VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2018 IRC T105.2.2 AND SDI QAO-C-2017 APPENDIX 1 TABLE 1.1	
1	VERIFY COMPLIANCE OF MATERIALS (DECK AND ACCESSORIES) WITH CONSTRUCTION REQUIREMENTS
2	VERIFY COMPLIANCE OF DECK AND ACCESSORIES WITH CONSTRUCTION REQUIREMENTS
DURING DECK PLACEMENT, VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2018 IRC T105.2.2 AND SDI QAO-C-2017 APPENDIX 1 TABLE 1.2	
3	VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS
4	VERIFY DECK MATERIALS ARE REPRESENTED BY CONSTRUCTION DOCUMENTS
5	ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES
6	WELDING PROCEDURE SPECIFICATION (WPS) AVAILABLE
7	MANUFACTURER'S CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE
8	MATERIAL IDENTIFICATION
9	CHECK WELDING EQUIPMENT

STRUCTURAL - MASONRY CONSTRUCTION - LEVEL 2 - RISK CATEGORY I (R OR II)	
TASK	INSPECTION DESCRIPTION
PRIOR TO CONSTRUCTION, VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2018 IRC T105.4 AND TMS 602.16 TABLE 1	
1	COMPLIANCE OF SUBMITTALS
2	NET AREA COMPRESSIVE STRENGTH OF MASONRY (F <sub>m</sub> )
DURING CONSTRUCTION, VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2018 IRC T105.4 AND TMS 602.16 TABLE 3	
3	SELF-CONSOLIDATING GROUT
AS CONSTRUCTION BEGINS, VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2018 IRC T105.4 AND TMS 602.16 TABLE 4	
4	SITE PREPARED MORTAR
5	REINFORCEMENT, CONNECTIONS, AND ANCHOR
6	SAMPLE PANEL CONSTRUCTION
7	GROUT SPACE
8	REINFORCEMENT, CONNECTIONS, AND ANCHOR
9	SITE PREPARED GROUT
DURING CONSTRUCTION, VERIFY THE FOLLOWING ARE IN COMPLIANCE WITH 2018 IRC T105.4 AND TMS 602.16 TABLE 4	
10	MATERIALS AND PROCEDURES
11	MASONRY UNITS AND MORTAR JOINTS
12	STRUCTURAL MEMBERS
13	ANCHORS AND OTHER ANCHORAGE
14	WELDING OF REINFORCEMENT
15	PROTECTION OF MASONRY
16	GROUT PLACEMENT
17	GROUT AND MORTAR SPECIMENS



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**PRELIMINARY**  
THIS DOCUMENT IS  
NATURE AND IS NOT A  
FINAL DOCUMENT  
SEALED DOCUMENT



**AAR Corporation**  
**New Hangar**  
**Will Rogers World Airport, Oklahoma City, OK**

PROJECT NUMBER	11770023
PROJECT NAME	NEW HANGAR
PROJECT LOCATION	OKLAHOMA CITY, OK
PROJECT OWNER	OKLAHOMA AIRPORT AUTHORITY
PROJECT MANAGER	TJAD
PROJECT ENGINEER	SHW
PROJECT ARCHITECT	SHW
PROJECT DATE	11/7/2023
SHEET NUMBER	G-202





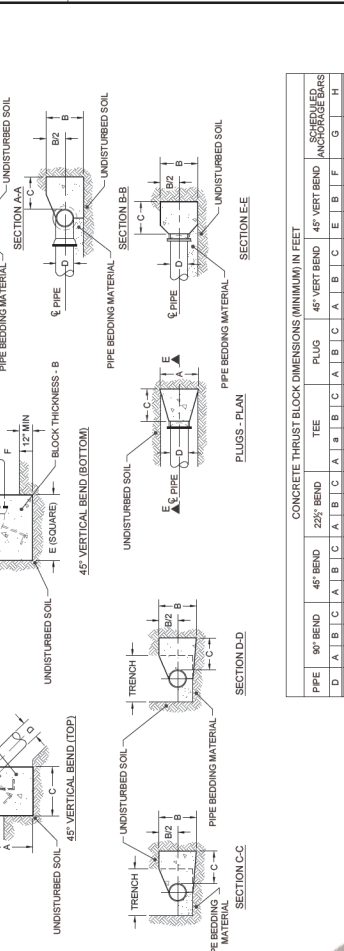
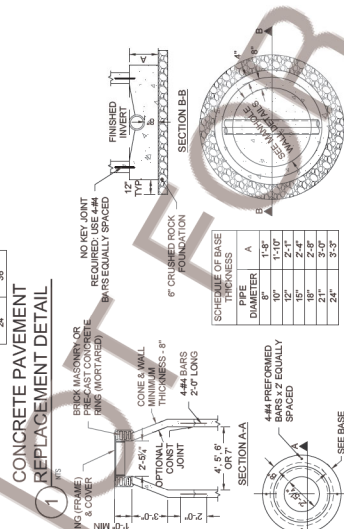
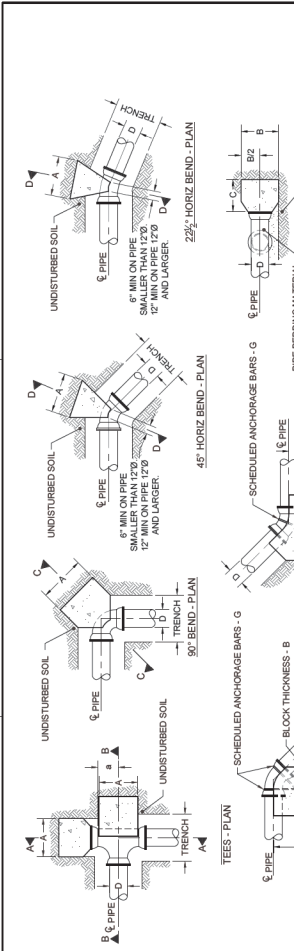












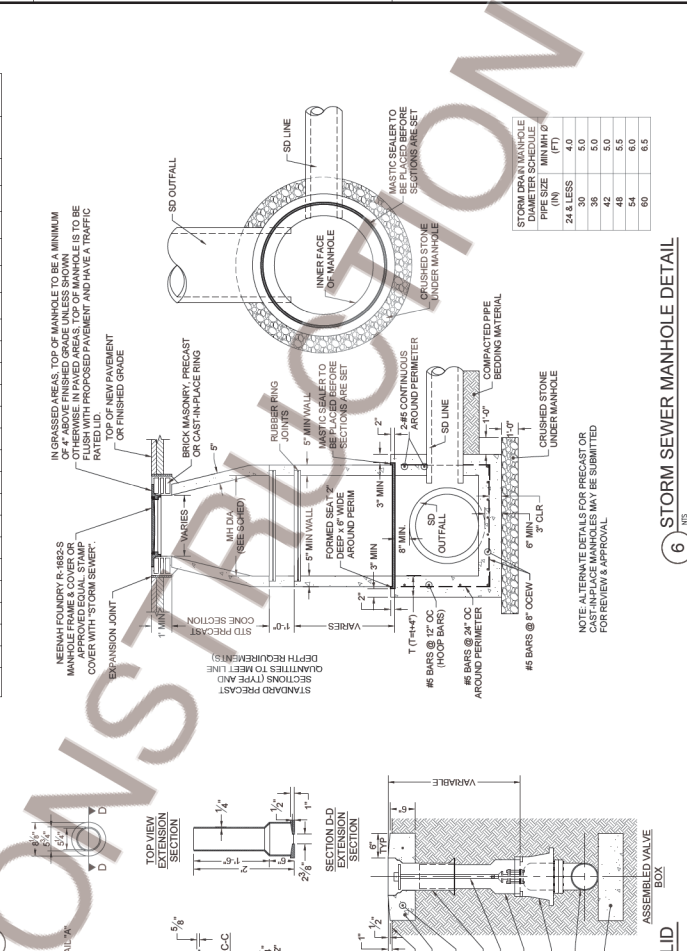
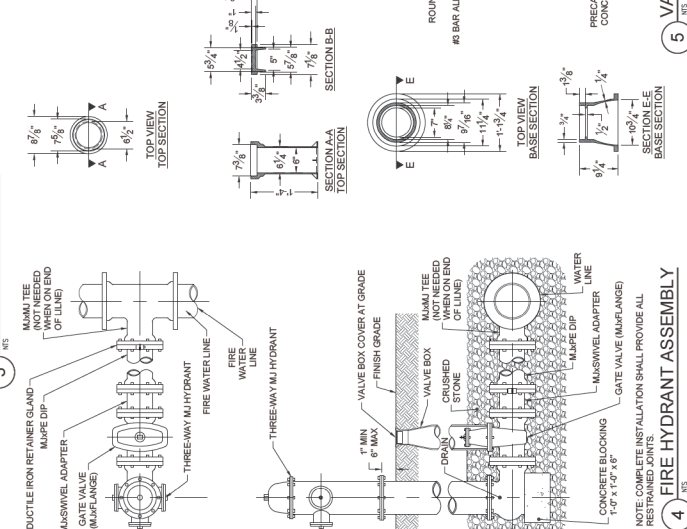
SECTION DETAILS

3

MANHOLE DETAILS

BASE DETAIL

## 2 THRUST BLOCK DETAILS





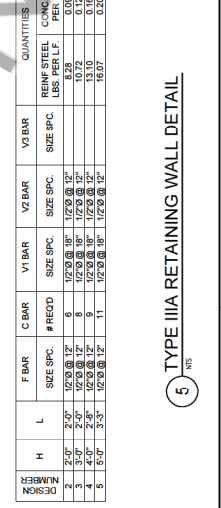
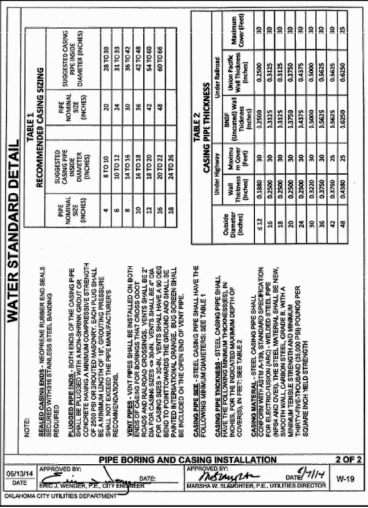
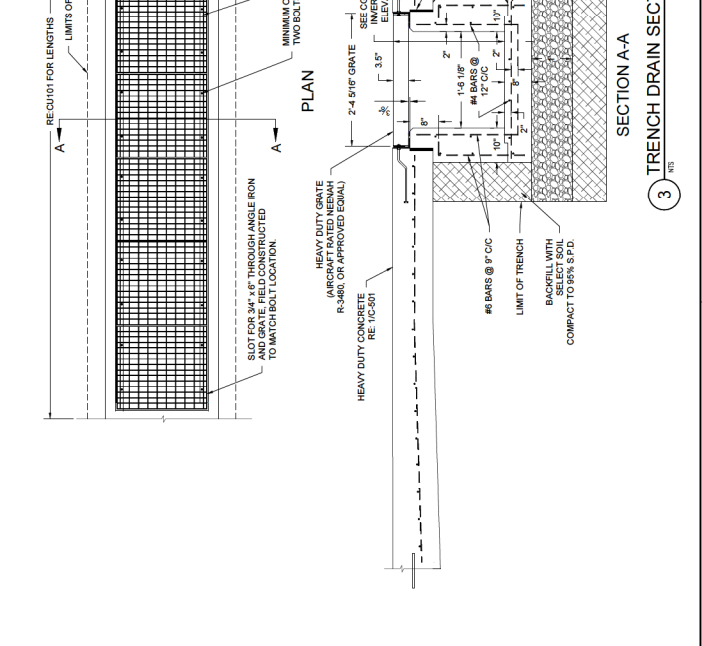
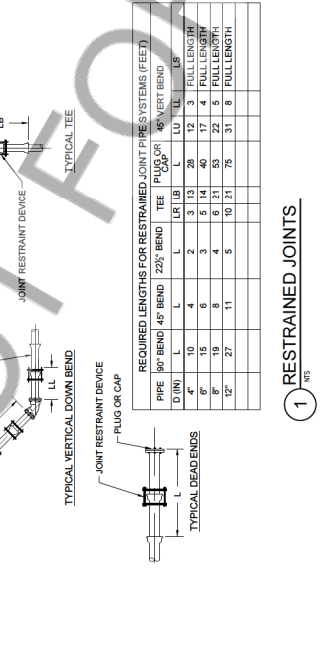
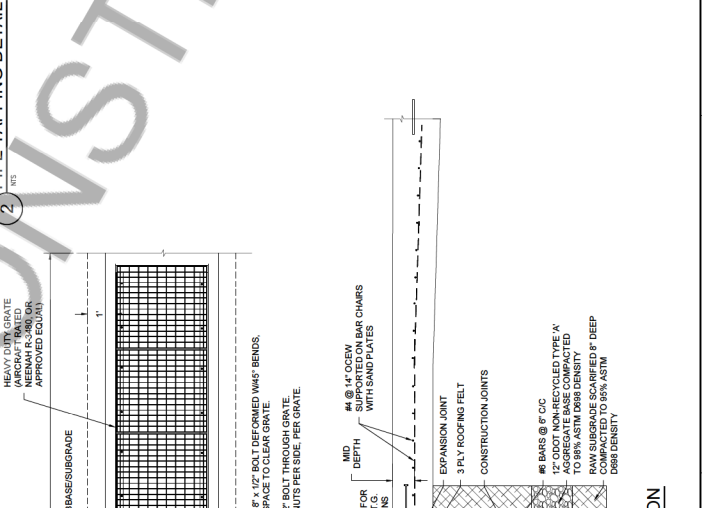


Diagram illustrating a pipe joint assembly. The assembly includes a valve box (adjustable), a tapping valve, a sleeve, and a concrete anchor. The diagram shows the pipe joint assembly with dimensions and labels:

- 8'-0" PIPE DIMENSION
- VALVE BOX (ADJUSTABLE)
- TAPPING VALVE
- SLEEVE
- VARIES
- 90° BEND (TYP)
- CONCRETE ANCHOR

REVERSE



















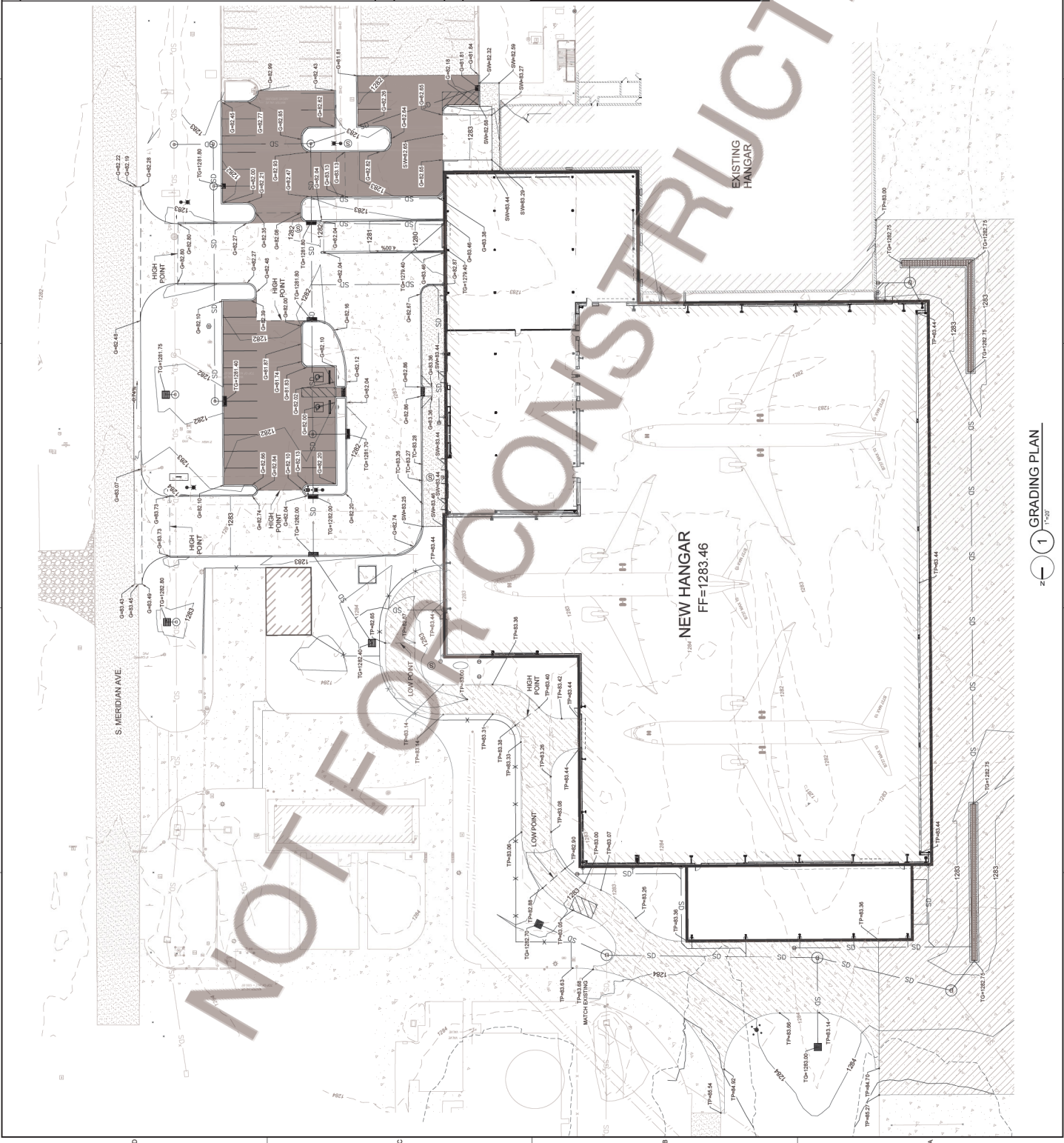














REFER TO SHEET V-101 FOR BASIS OF VERTICAL AND HORIZONTAL CONTROL.  
REFER TO SHEET C-101 FOR ADDITIONAL NOTES AND REQUIREMENTS.  
CONTOURS REPRESENT FINISH SURFACE.  
CONTRACTOR SHALL MAKE ALLOWANCES FOR TOPSOIL AND PAVEMENTS, SOD OR SEED TOPSOIL IN DISTURBED AREAS UPON COMPLETION OF GRADING OPERATIONS.  
SCALE CONTOURS IN ALL GRASS AREAS.

REMOVE AND STOCKPILE 6" OF TOPSOIL BEFORE DISTURBED AREAS PRIOR TO BEGINNING GRADING OPERATIONS. STORE TOPSOIL THIS REMOVED OUTSIDE DISTURBED AREAS IN STABLE, WELL-DRAINED STOCKPILES AND COVER AS NECESSARY TO PREVENT EROSION. STOCKPILES SHOULD BE PROTECTED BY APPROPRIATE EROSION CONTROL MEASURES TO PREVENT STOCKPILED TOPSOIL ENTERING STORM WATER RUNOFF. RESTORE STOCKPILED TOPSOIL TO UNPAVED AND DISTURBED AREAS BY GRADING OPERATIONS AND SOO OR SEED DISTURBED AREAS AS SPECIFIED.

FOR CLARITY, PAVEMENT JOINTS AND UTILITIES ARE NOT SHOWN ON THIS SHEET.

ON CURBS THAT HAVE A CURB AND GUTTER, TOP OF CURB IS 6" HIGHER THAN GUTTER.

CONTRACTOR MUST VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY EXCAVATION ACTIVITIES. CONTRACTOR MUST VERIFY UTILITIES HAVE BEEN TAKEN OUT OF SERVICE BEFORE REMOVAL OR LOCATION.

EGEND		
	NEW CONCRETE SIDEWALK RE 40'-50'	
	LIGHT-DUTY ASPHALT PAVING RE 30'-50'	
	HEAVY-DUTY CONCRETE PAVING (10 TO 15 PSI) RE 10'-20'	
	HEAVY-DUTY CONCRETE PAVING (15 TO 20 PSI) RE 20'-50'	
	EXISTING CONCRETE PAVING	
	EXISTING ASPHALT PAVING	

	RE: 2C-501 HEAVY-DUTY CONCRETE PAVING (TUGPERIMETER ROAD) RE: 2C-501
	EXISTING CONCRETE PAVING
	EXISTING ASPHALT PAVING

10



10

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0 10 20 40  
Scale: 1" = 100'

9

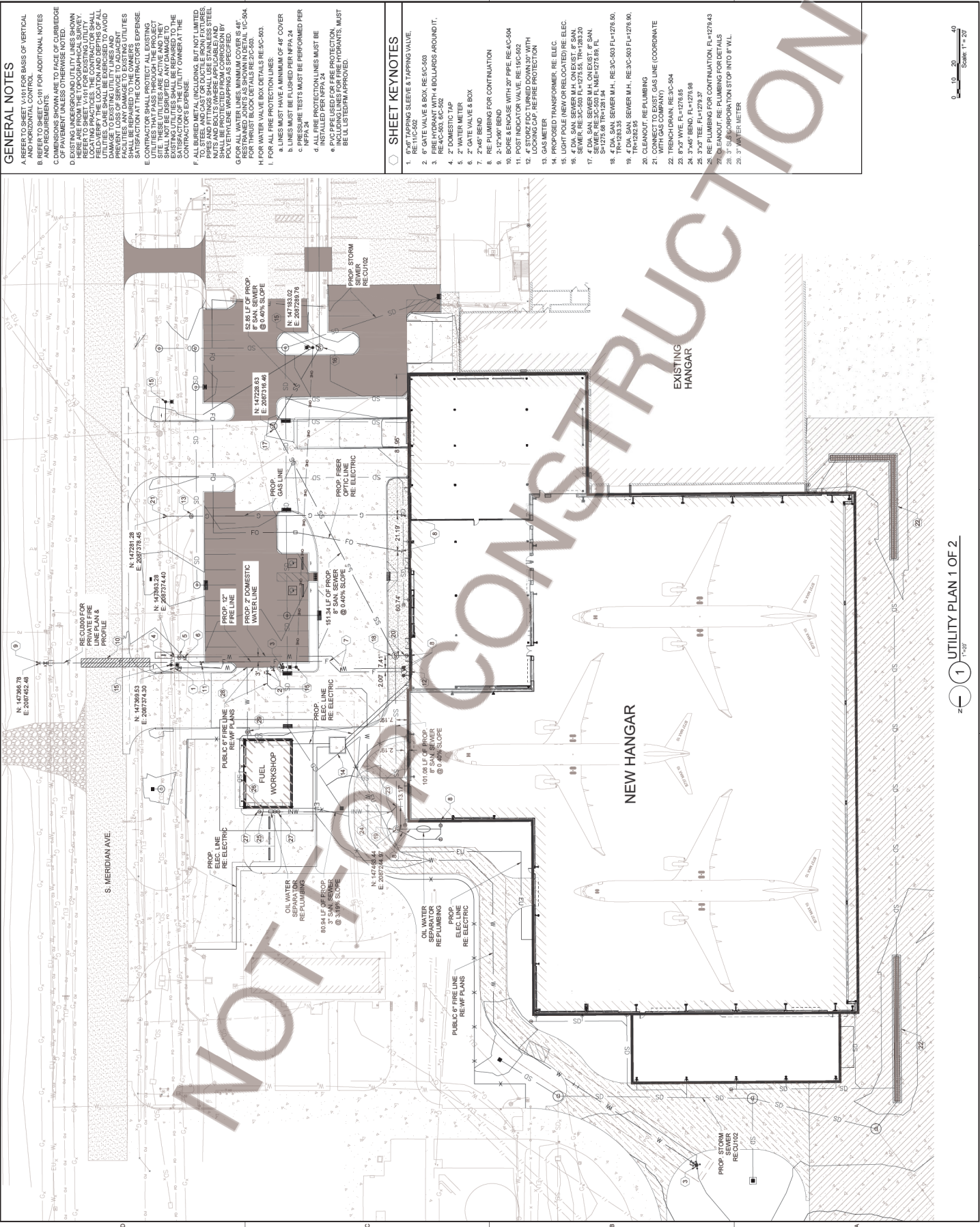












**GENERAL NOTES**

A. REFER TO SHEET V-01 FOR BASIS OF VERTICAL CURVES.

B. REFER TO SHEET C-01 FOR ADDITIONAL NOTES AND REQUIREMENTS.

C. DIMENSIONS SHOWN ARE TO FACE OF CURBEDGE UNLESS OTHERWISE NOTED.

D. EXISTING UNDERGROUND UTILITY LINES SHOWN HERE ARE FROM THE TOPOGRAPHICAL SURVEY. LOCATING PRACTICES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES. CARE SHALL BE EXERCISED TO AVOID DAMAGE TO EXISTING UTILITY LINES AND FACILITIES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

E. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES. IF ANY DAMAGE TO EXISTING UTILITIES IS OBSERVED, THE CONTRACTOR SHALL STOP WORK AND NOTIFY THE UTILITY OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE UTILITY OWNER'S PROPERTY.

F. TO STEEL AND CAST IRON FITTINGS, BUT NOT LIMITED TO, SHALL BE PROTECTED FROM CORROSION BY WRAPPING WITH AN APPROVED CORROSION RESISTANT JOINTS AS SHOWN IN DETAIL 1C-504 FOR TRUST JOINTS. DETAILS RE-2C-503.

G. FOR WATER VALVE BOX DETAILS RE-3C-503.

H. FOR WATER VALVE BOX DETAILS RE-3C-503.

I. LINES MUST HAVE A MINIMUM OF 4\"/>

**SHEET KEYNOTES**

1. 6\"/>

2. 6\"/>

3. FIRE HYDRANT WITH 4\"/>

4. 2\"/>

5. 2\"/>

6. 2\"/>

7. 2\"/>

8. 2\"/>

9. 2\"/>

10. BORE AND ENCASE WITH 30\"/>

11. POST INDICATOR VALVE RE-19C-504

12. 2\"/>

13. DOWNHILL REPAIR PROTECTION

14. PROPOSED TRANSFORMER RE- ELEC

15. LIGHT POLE (NEW OR RELOCATED) RE- ELEC

16. 2\"/>

17. 2\"/>

18. 2\"/>

19. 4\"/>

20. CLEANOUT REFLUMING

21. 2\"/>

22. TRENCH DRAIN RE-3C-504

23. 3\"/>

24. 3\"/>

25. 3\"/>

26. 3\"/>

27. 3\"/>

28. 3\"/>

29. 3\"/>

**NOT FOR CONSTRUCTION**

**NEW HANGAR**

**EXISTING HANGAR**

**FUEL WORKSHOP**

**OIL WATER SEPARATOR**

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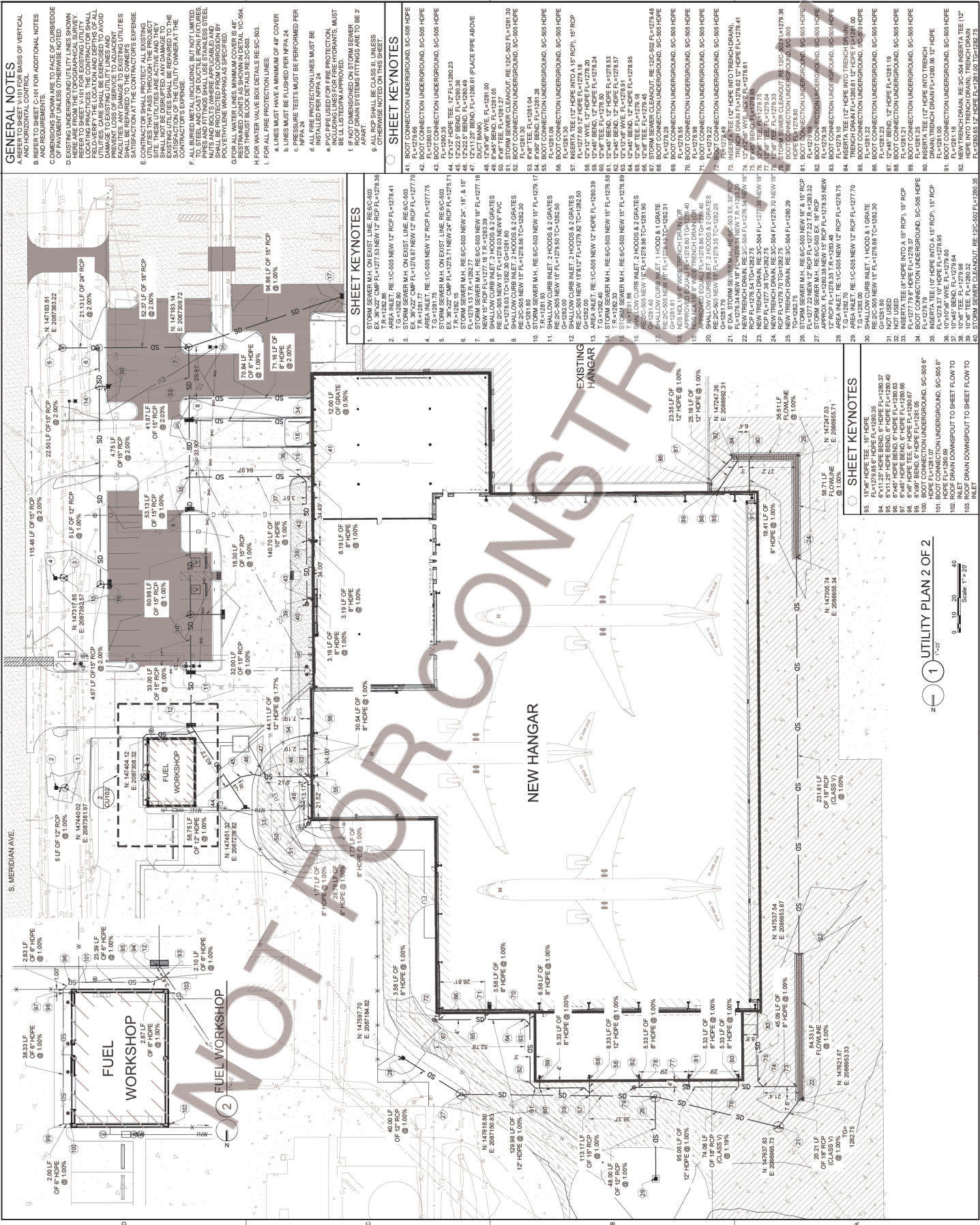
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**GENERAL NOTES**

A. REFER TO SHEET V-101 FOR BASIS OF VERTICAL AND HORIZONTAL CONTROL.

B. REFER TO SHEET C-101 FOR ADDITIONAL NOTES.

C. DIMENSIONS SHOWN ARE TO FACE OF CURB OR FACE OF PAVEMENT UNLESS OTHERWISE NOTED.

D. EXISTING UNDERGROUND UTILITY LINES SHOWN ON THIS SHEET ARE TO BE MAINTAINED AND REFER TO SHEET V-101 FOR EXISTING UTILITY LINES.

E. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

F. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

G. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

H. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

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K. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

L. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

M. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

N. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

O. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

P. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

Q. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

R. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

S. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

T. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

U. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

V. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

W. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

X. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

Y. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

Z. ALL UTILITIES SHALL BE DEEPENED TO AVOID EXISTING UTILITIES. THE LOCATION AND DEPTHS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

**SHEET KEYNOTES**

1. STORM SEWER M.H. ON EXIST LINE RE-403 EX. 39'x22" CMP FL=127.53 NEW 12" RCP FL=127.36

2. AREA 122.86 RE-1C-505 NEW 12" RCP FL=127.41

3. STORM SEWER M.H. ON EXIST LINE RE-403 TR=128.71 RE-1C-505 NEW 12" RCP FL=127.75

4. AREA INLET RE-1C-505 NEW 12" RCP FL=127.75

5. STORM SEWER M.H. ON EXIST LINE RE-403 TR=128.71 RE-1C-505 NEW 12" RCP FL=127.75

6. STORM SEWER M.H. ON EXIST LINE RE-403 TR=128.71 RE-1C-505 NEW 12" RCP FL=127.75

7. STORM SEWER M.H. ON EXIST LINE RE-403 TR=128.71 RE-1C-505 NEW 12" RCP FL=127.75

8. NEW 15" RCP FL=127.75 TR=128.39

9. FL=127.83 TC=128.30 G=128.80

10. RE-2C-505 NEW 15" FL=127.83 TC=128.30

11. RE-2C-505 NEW 15" FL=127.83 TC=128.30

12. RE-2C-505 NEW 15" FL=127.83 TC=128.30

13. RE-2C-505 NEW 15" FL=127.83 TC=128.30

14. RE-2C-505 NEW 15" FL=127.83 TC=128.30

15. RE-2C-505 NEW 15" FL=127.83 TC=128.30

16. RE-2C-505 NEW 15" FL=127.83 TC=128.30

17. RE-2C-505 NEW 15" FL=127.83 TC=128.30

18. RE-2C-505 NEW 15" FL=127.83 TC=128.30

19. RE-2C-505 NEW 15" FL=127.83 TC=128.30

20. RE-2C-505 NEW 15" FL=127.83 TC=128.30

21. RE-2C-505 NEW 15" FL=127.83 TC=128.30

22. RE-2C-505 NEW 15" FL=127.83 TC=128.30

23. RE-2C-505 NEW 15" FL=127.83 TC=128.30

24. RE-2C-505 NEW 15" FL=127.83 TC=128.30

25. RE-2C-505 NEW 15" FL=127.83 TC=128.30

26. RE-2C-505 NEW 15" FL=127.83 TC=128.30

27. RE-2C-505 NEW 15" FL=127.83 TC=128.30

28. RE-2C-505 NEW 15" FL=127.83 TC=128.30

29. RE-2C-505 NEW 15" FL=127.83 TC=128.30

30. RE-2C-505 NEW 15" FL=127.83 TC=128.30

31. RE-2C-505 NEW 15" FL=127.83 TC=128.30

32. RE-2C-505 NEW 15" FL=127.83 TC=128.30

33. RE-2C-505 NEW 15" FL=127.83 TC=128.30

34. RE-2C-505 NEW 15" FL=127.83 TC=128.30

35. RE-2C-505 NEW 15" FL=127.83 TC=128.30

36. RE-2C-505 NEW 15" FL=127.83 TC=128.30

37. RE-2C-505 NEW 15" FL=127.83 TC=128.30

38. RE-2C-505 NEW 15" FL=127.83 TC=128.30

39. RE-2C-505 NEW 15" FL=127.83 TC=128.30

40. RE-2C-505 NEW 15" FL=127.83 TC=128.30

**SHEET KEYNOTES**

93. 15" RCP HOPE TEE 15" HOPE

94. 15" RCP HOPE TEE 15" HOPE

95. 15" RCP HOPE TEE 15" HOPE

96. 15" RCP HOPE TEE 15" HOPE

97. 15" RCP HOPE TEE 15" HOPE

98. 15" RCP HOPE TEE 15" HOPE

99. 15" RCP HOPE TEE 15" HOPE

100. 15" RCP HOPE TEE 15" HOPE

101. 15" RCP HOPE TEE 15" HOPE

102. 15" RCP HOPE TEE 15" HOPE

103. 15" RCP HOPE TEE 15" HOPE

104. 15" RCP HOPE TEE 15" HOPE

105. 15" RCP HOPE TEE 15" HOPE

106. 15" RCP HOPE TEE 15" HOPE

107. 15" RCP HOPE TEE 15" HOPE

108. 15" RCP HOPE TEE 15" HOPE

109. 15" RCP HOPE TEE 15" HOPE

110. 15" RCP HOPE TEE 15" HOPE

111. 15" RCP HOPE TEE 15" HOPE

112. 15" RCP HOPE TEE 15" HOPE

113. 15" RCP HOPE TEE 15" HOPE

114. 15" RCP HOPE TEE 15" HOPE

115. 15" RCP HOPE TEE 15" HOPE

116. 15" RCP HOPE TEE 15" HOPE

117. 15" RCP HOPE TEE 15" HOPE

118. 15" RCP HOPE TEE 15" HOPE

119. 15" RCP HOPE TEE 15" HOPE

120. 15" RCP HOPE TEE 15" HOPE

121. 15" RCP HOPE TEE 15" HOPE

122. 15" RCP HOPE TEE 15" HOPE

123. 15" RCP HOPE TEE 15" HOPE

124. 15" RCP HOPE TEE 15" HOPE

125. 15" RCP HOPE TEE 15" HOPE

126. 15" RCP HOPE TEE 15" HOPE

127. 15" RCP HOPE TEE 15" HOPE

128. 15" RCP HOPE TEE 15" HOPE

129. 15" RCP HOPE TEE 15" HOPE

130. 15" RCP HOPE TEE 15" HOPE

131. 15" RCP HOPE TEE 15" HOPE

132. 15" RCP HOPE TEE 15" HOPE

133. 15" RCP HOPE TEE 15" HOPE

134. 15" RCP HOPE TEE 15" HOPE

135. 15" RCP HOPE TEE 15" HOPE

136. 15" RCP HOPE TEE 15" HOPE

137. 15" RCP HOPE TEE 15" HOPE

138. 15" RCP HOPE TEE 15" HOPE

139. 15" RCP HOPE TEE 15" HOPE

140. 15" RCP HOPE TEE 15" HOPE

**UTILITY PLAN 2 OF 2**

Scale 1"=20'

0 10 20 40

**UTILITY PLAN 2 OF 2**

Scale 1"=20'

0 10 20 40

**UTILITY PLAN 2 OF 2**

Scale 1"=20'

0 10 20 40

**UTILITY PLAN 2 OF 2**

Scale 1"=20'

0 10 20 40

**UTILITY PLAN 2 OF 2**

Scale 1"=20'

0 10 20 40















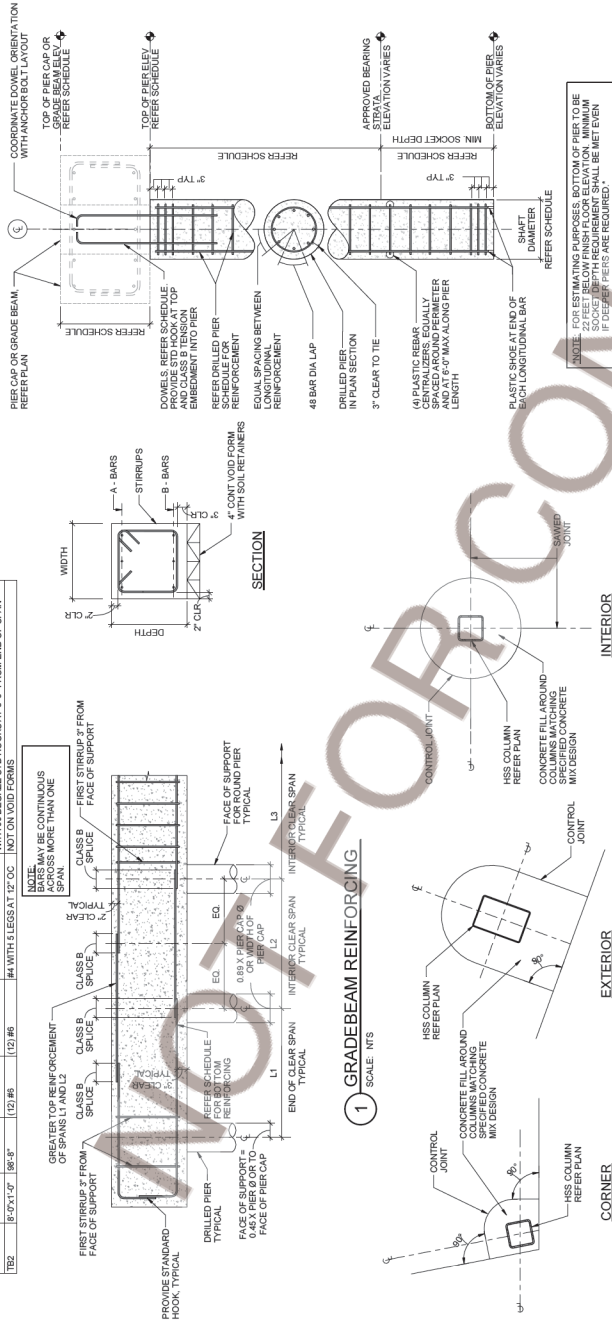
DRILLED PIER SCHEDULE									
MARK	SHAFT DIAMETER	REINFORCEMENT			TIES	TOP OF PIER ELEVATION	ESTIMATED BEARING CAPACITY (INCL. SOCKET DEPTH)	MINIMUM SOCKET EMBEDMENT DEPTH	
		QUANTITY	LONGITUDINAL	SIZE					
P1	1'-6"	6	#6	#6	12 OC	56'-3"	78.0'	2'-0"	
P2	3'-0"	11	#6	#6	14 OC	55'-3"	75.0'	2'-0"	
P3	3'-0"	11	#6	#6	14 OC	55'-3"	75.0'	2'-0"	
P4	1'-6"	6	#6	#6	12 OC	55'-3"	75.0'	2'-0"	

[illegible]

CLASS B CONCRETE REINFORCEMENT LAP LENGTH SCHEDULE		
BAR SIZE	TOP BARS*	BOTTOM BARS
#4	3'-10"	2'-11"
#5	4'-9"	3'-8"
#6	5'-9"	4'-5"
#7	8'-4"	6'-5"
#8	9'-5"	7'-4"
#9	10'-8"	8'-5"
#10	12'-0"	9'-3"
#11	13'-4"	10'-3"

NOTES: 1. VERIFY DEPTH OF BEARING STRATA IN FIELD

- \* GREATER THAN 12" OF CONCRETE BELOW REINF.
- 1. 4,000 PSI CONCRETE.
- 2. 60,000 PSI REINFORCEMENT STEEL.

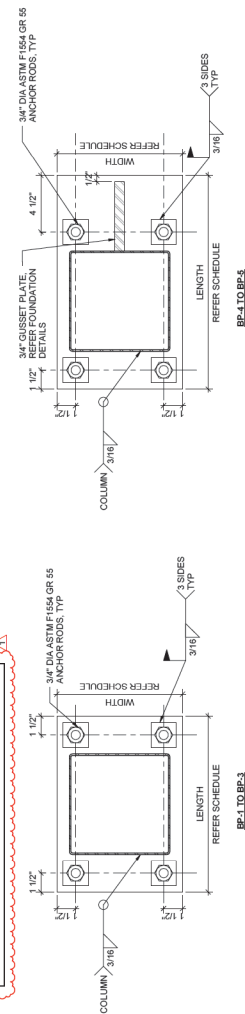


SLAB BLOCKOUT - CIRCULAR

MARK	BASE PLATE SCHEDULE			NUMBER AND DIA OF ANCHORS	COLUMN SIZE
	LENGTH (IN)	WIDTH (IN)	THICKNESS (IN)		
BP-1	10	7.5	1/2	12"	HSS-64
BP-2	11	7.5	5/8	12"	(4) 3/4" DIA
BP-3	12	8	7/8	12"	HSS-64
BP-4	15	8	3/4	12"	(4) 3/4" DIA
BP-5	14	14	1/2	12"	REFER PLAN

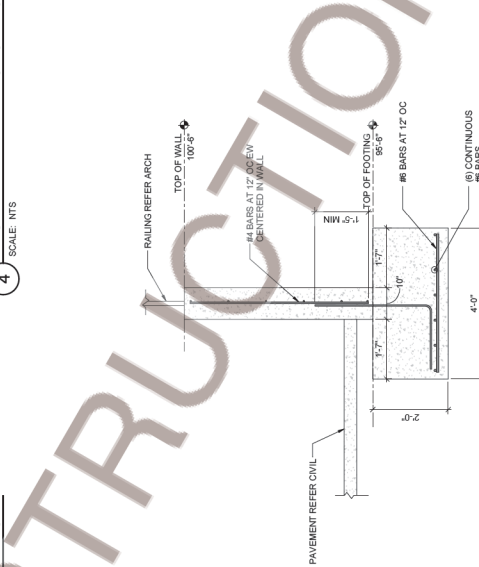
NOTE: USE 24" EMBEDMENT DEPTH FOR PEMB COLUMN ANCHOR RODS.

## ③ DRILLED PIER AND PIER CAP



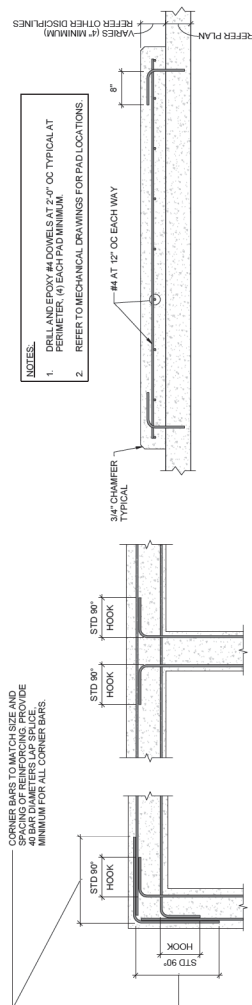
BASE PLATE DETAILS

BASE PLATE AND ANCHOR ROD

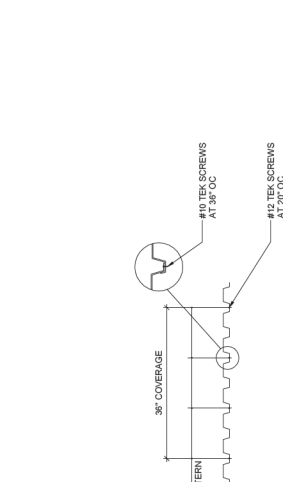


### ③ TYPICAL RETAINING WALL DETAIL

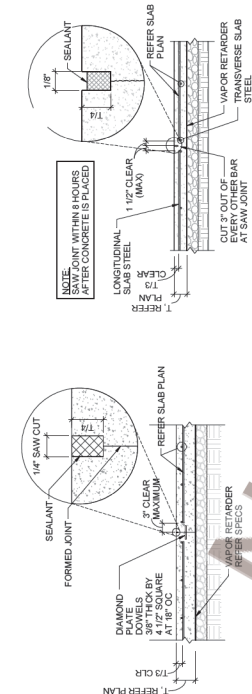




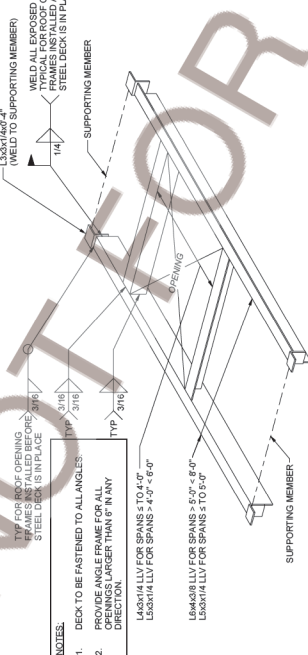
4 TYPICAL HOUSE KEEPING PAD DETAIL  
SCALE: NTS



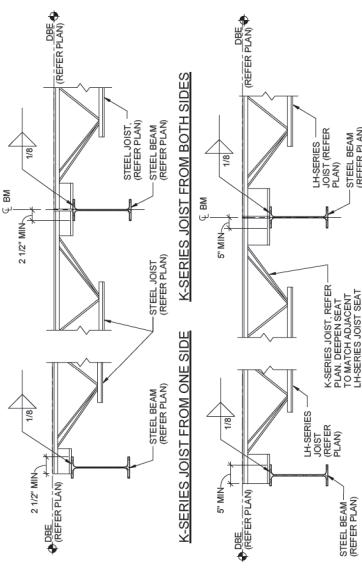
7 DECK DETAIL  
SCALE: NTS



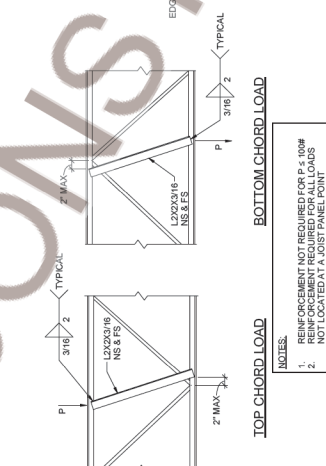
1 CONSTRUCTION JOINT (CJ)  
SCALE: NTS



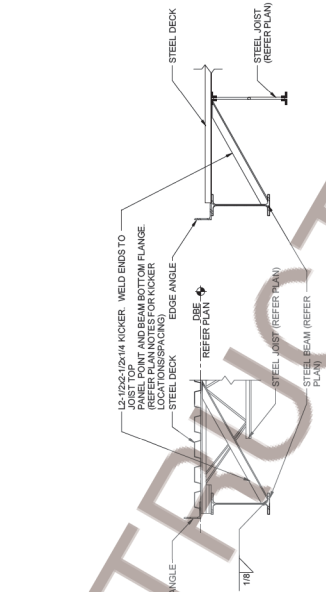
5 ROOF FRAMED OPENING  
SCALE: NTS



## LH-SERIES JOIST FROM ONE SIDE



9 TYPICAL JOIST REINFORCEMENT

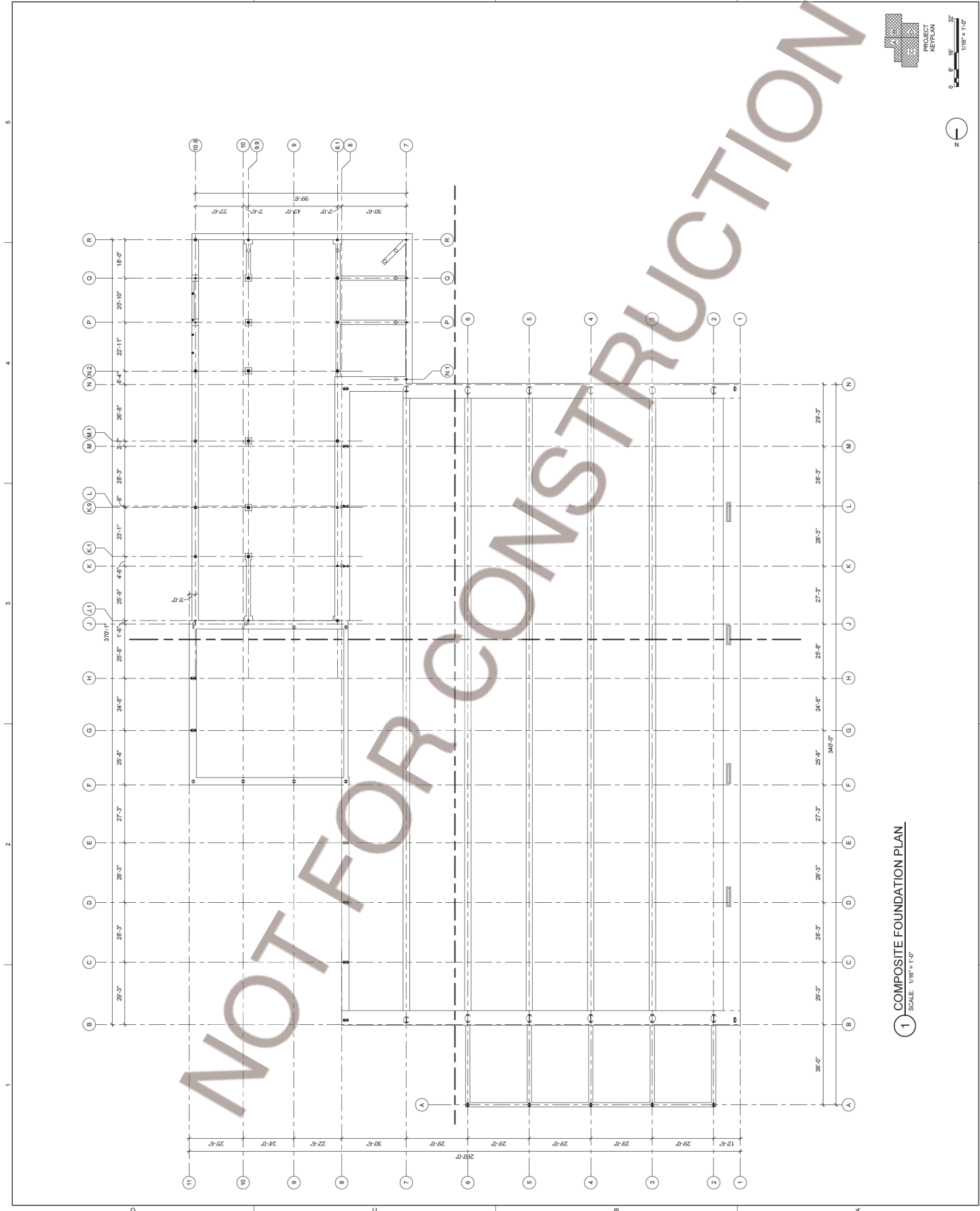


10 ROOF BEAMS BOT FLANGE KICKER DETAIL  
SCALE: NTS

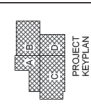








1 COMPOSITE FOUNDATION PLAN  
SCALE 1/16" = 1'-0"



PROJECT INFORMATION	
DESIGNED BY:	SHW
DRAWN BY:	SHW
REVIEWED BY:	TJD
PROJECT MANAGER:	TJD
PROJECT NUMBER:	1177003
DATE:	11/7/2023
COMPOSITE FOUNDATION PLAN	
SHEET NUMBER	
SB101	

AAR Corporation  
New Hangar  
Will Rogers World Airport, Oklahoma City, OK



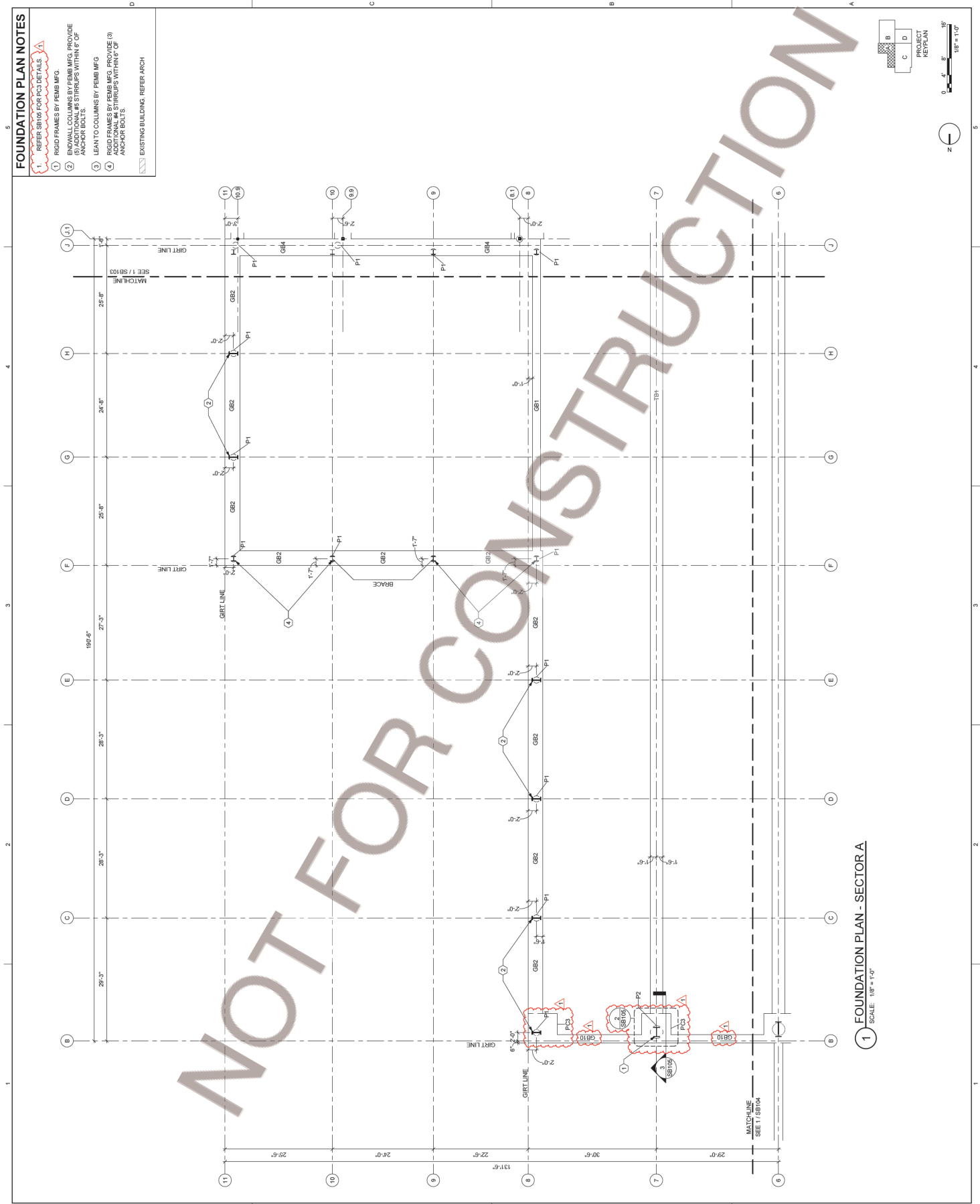
PRELIMINARY  
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FINAL DOCUMENT  
SEALED DOCUMENT

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Oklahoma City, OK 73116-7138  
405.842.2531 | bbs-a.com



## FOUNDATION PLAN NOTES

1. REFER S8106 FOR PC3 DETAILS.
2. RIGID FRAMES BY PEMB MFG.
3. ENDWALL COLUMNS BY PEMB MFG. PROVIDE 4" TIE BARS WITHIN 6" OF ANCHOR BOLTS.
4. ADDITIONAL #5 TIE BARS WITHIN 6" OF ANCHOR BOLTS.
5. LEAN TO COLUMNS BY PEMB MFG.
6. RIGID FRAMES BY PEMB MFG. PROVIDE 4" TIE BARS WITHIN 6" OF ANCHOR BOLTS.
7. EXISTING BUILDING. REFER ARCH.





1. REFER SB106 FOR PC3 DETAILS.
2. RIGID FRAMES BY PEMB MFG.
3. LEAN TO COLUMNS BY PEMB MFG
4. RIGID FRAMES BY PEMB MFG. PROVIDE (3) ADDITIONAL #4 STIRRUPS WITHIN 6" OF ANCHOR BOLTS.

EXISTING BUILDING, REFER ARCH

**PRELIMINARY**  
THIS DOCUMENT IS  
PRELIMINARY IN  
NATURE AND IS NOT A  
FINAL, SIGNED AND  
SEALED DOCUMENT

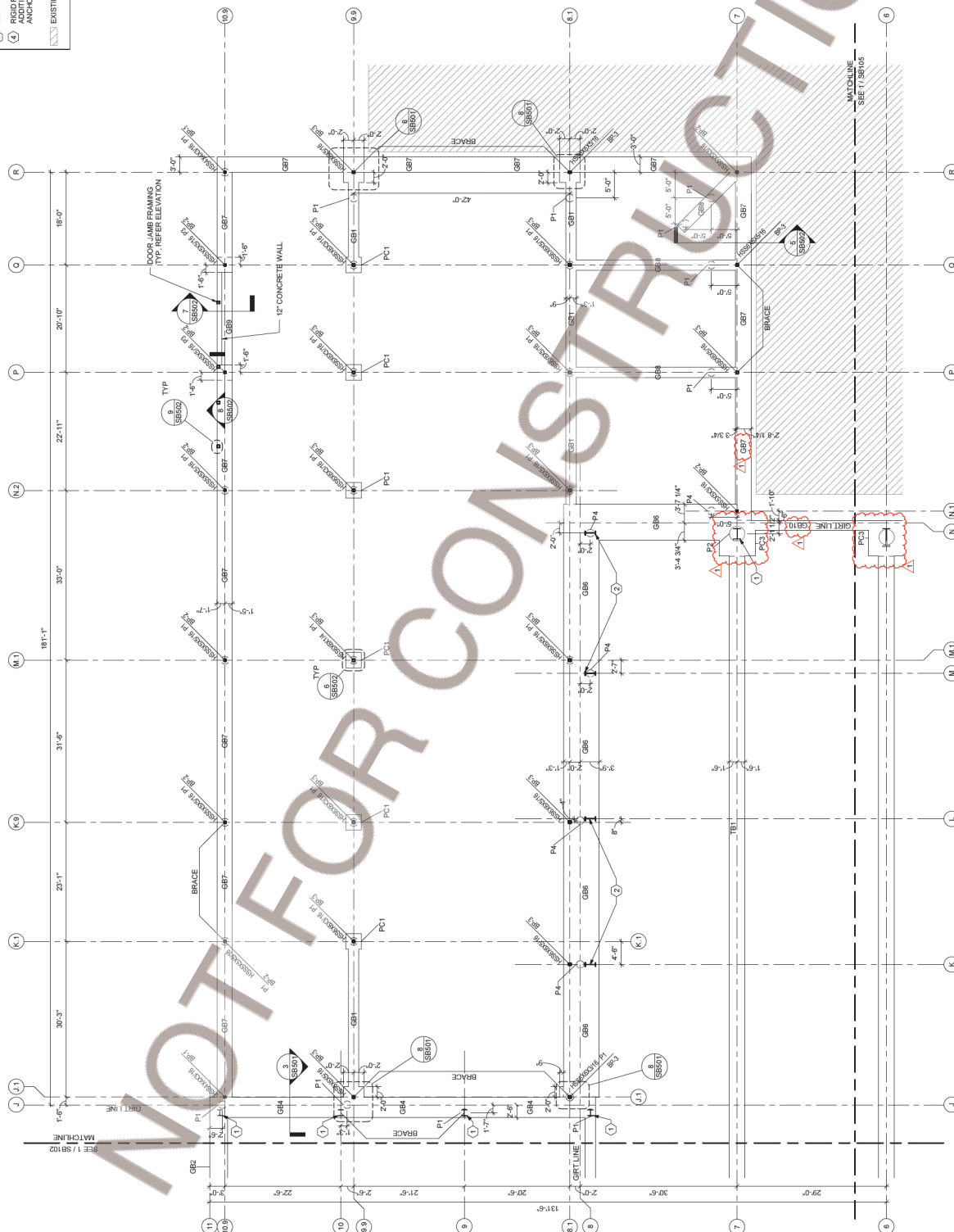


**AAR Corporation**  
**New Hangar**  
**Will Rogers World Airport, Oklahoma City, OK**

[illegible]

## FOUNDATION PLAN - SECTOR B

SCALE: 1/8" = 1'-0"





1. REFER 38105 FOR PC3 DETAILS.
2. RIGID FRAMES BY PEMB MFG.
3. ENDWALL COLUMNS BY PEMB MFG. PROVIDE 6" ADDITIONAL #5 STIRRUPS WITHIN 6" OF ANCHOR BOLTS.
4. LEAN TO COLUMNS BY PEMB MFG.
5. RIGID FRAMES BY PEMB MFG. PROVIDE 6" ADDITIONAL #5 STIRRUPS WITHIN 6" OF ANCHOR BOLTS.
6. EXISTING BUILDING, REFER ARCH

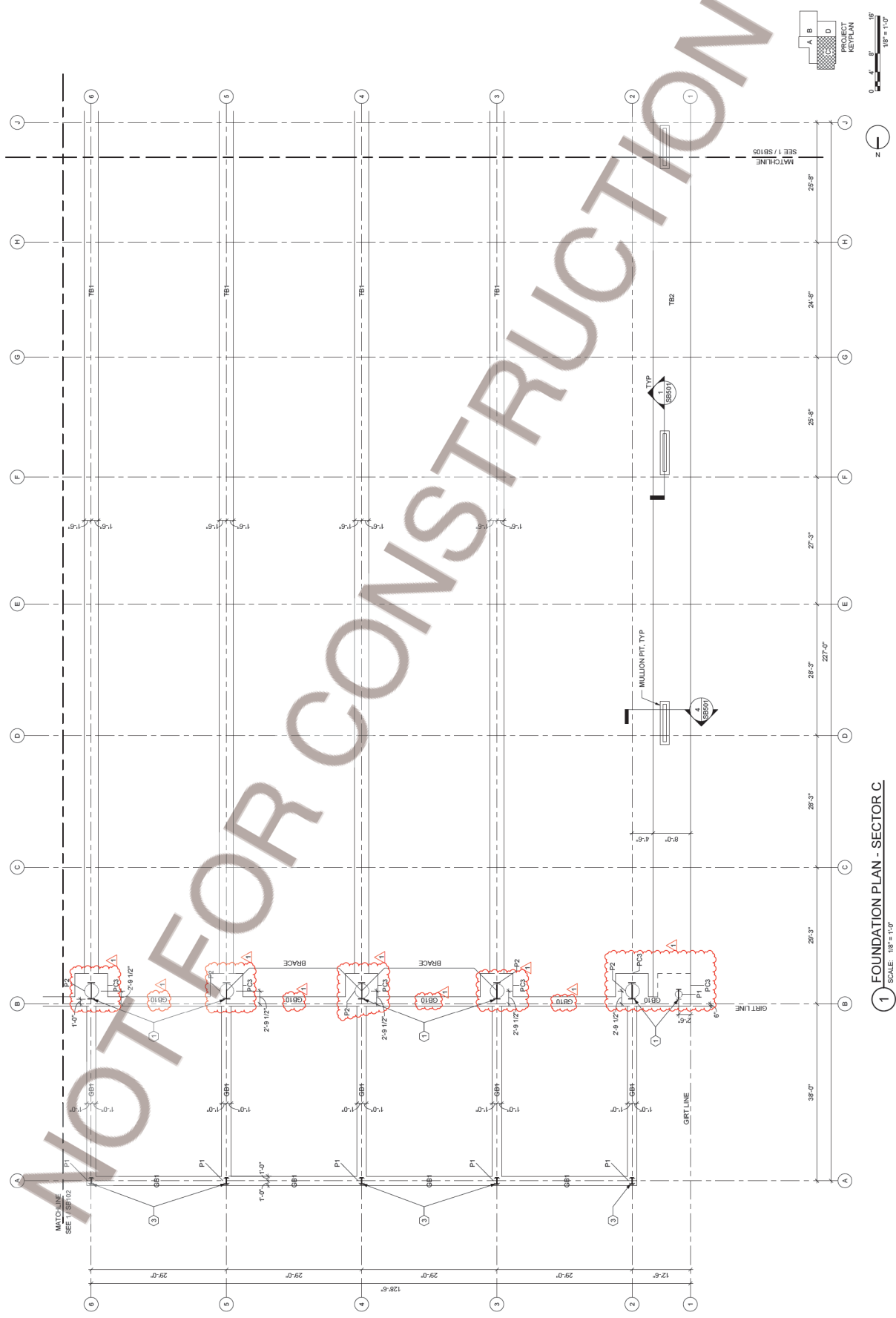
**PRELIMINARY**



**AAR Corporation**  
**New Hangar**  
**Will Rogers World Airport, Oklahoma City, OK**

REVISION HISTORY		ASB01 FOUNDATION PROJECT INFORMATION		1/17/2023 DATE
		DESIGNED BY EXAMINER		SHW SHW
		REVIEWED BY PROJECT MANAGER		TJD TJD
		PROJECT NUMBER SHEET NUMBER		1000-00 1000-00
FOUNDATION PLAN - SECTOR C				
ISSUE DATE		1/17/2023		SB104 SHEET NUMBER

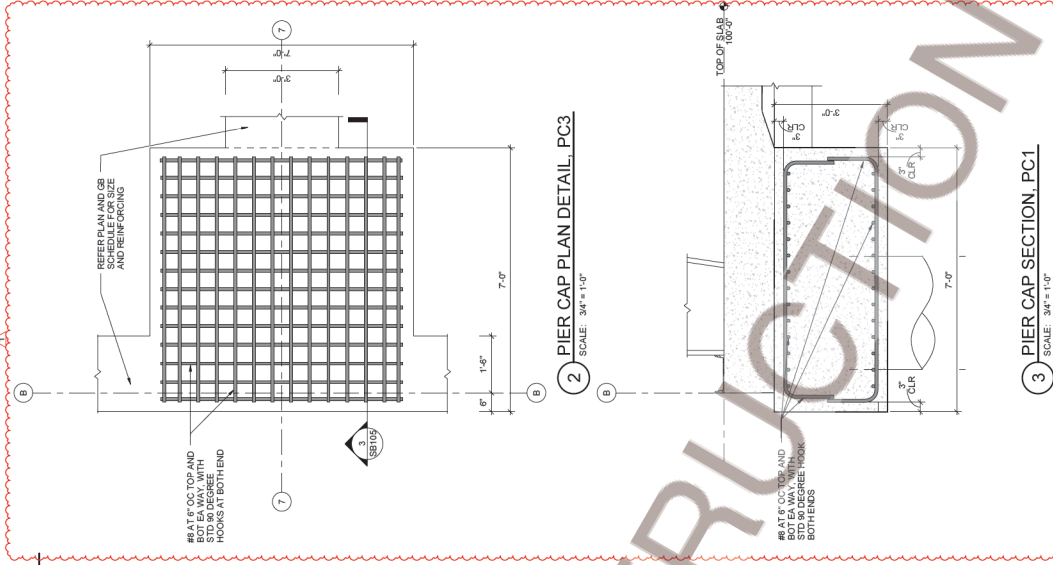
SB104



1 FOUNDATION PLAN - SECTOR C  
SCALE: 1/8" = 1'-0"



- FOUNDATION PLAN NOTES**
1. REFER SB105 FOR PC3 DETAILS
  2. RIGID FRAMES BY PEMB MFG
  3. RIGID FRAMES BY PEMB MFG. PROVIDE ANCHOR BOLTS WITHIN F OF ANCHOR BOLTS
  4. LEAN TO COLUMNS BY PEMB MFG
  5. RIGID FRAMES BY PEMB MFG. PROVIDE (B) ANCHOR BOLTS WITHIN F OF ANCHOR BOLTS
- EXISTING BUILDING, REFER ARCH

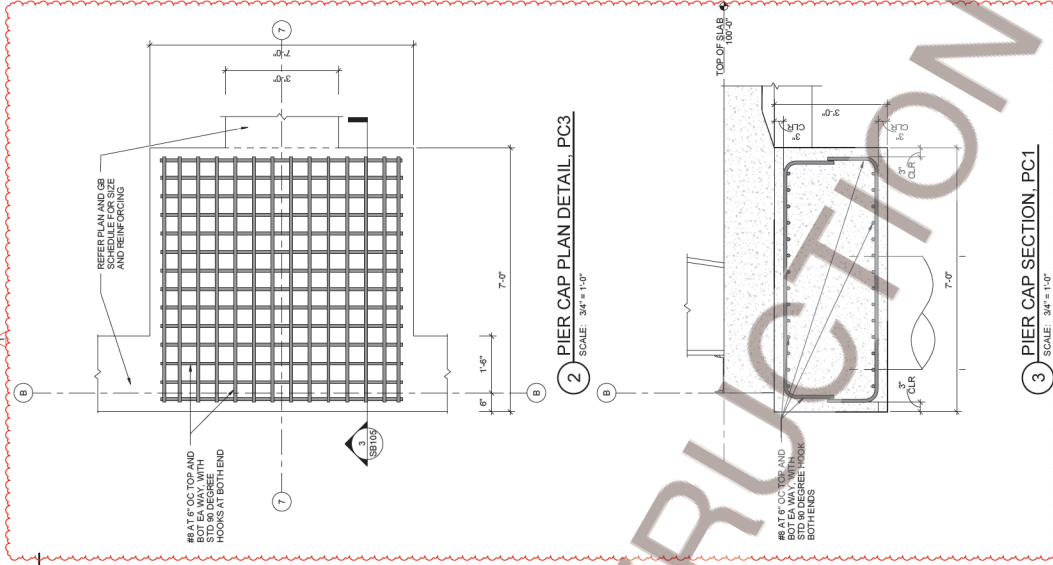


1 FOUNDATION PLAN - SECTOR D  
SCALE: 1/8" = 1'-0"

2 PIER CAP PLAN DETAIL, PC3  
SCALE: 3/4" = 1'-0"

3 PIER CAP SECTION, PC1  
SCALE: 3/4" = 1'-0"

- FOUNDATION PLAN NOTES**
1. REFER SB105 FOR PC3 DETAILS
  2. RIGID FRAMES BY PEMB MFG
  3. RIGID FRAMES BY PEMB MFG. PROVIDE ANCHOR BOLTS WITHIN F OF ANCHOR BOLTS
  4. LEAN TO COLUMNS BY PEMB MFG
  5. RIGID FRAMES BY PEMB MFG. PROVIDE (B) ANCHOR BOLTS WITHIN F OF ANCHOR BOLTS
- EXISTING BUILDING, REFER ARCH

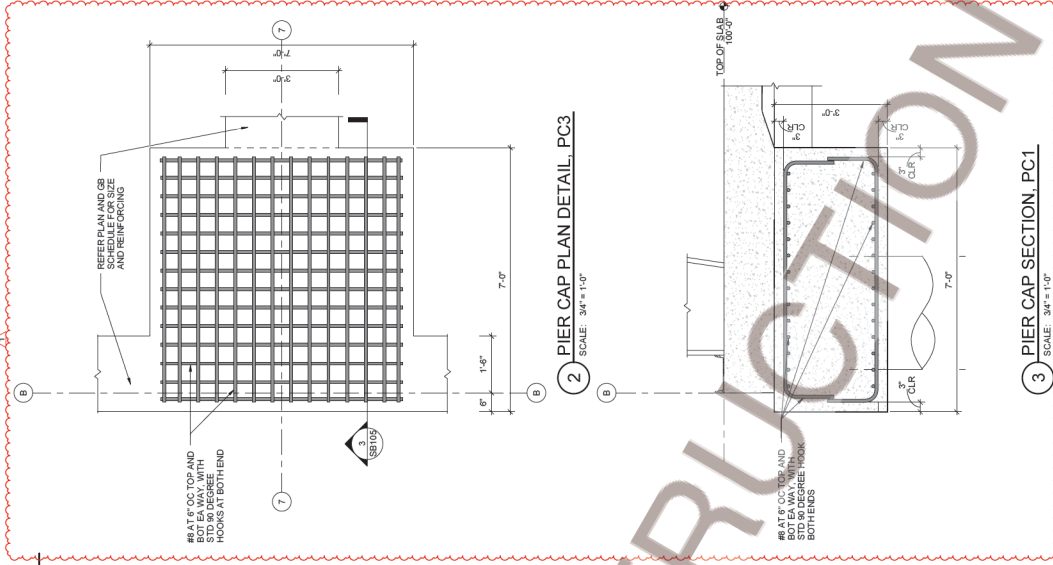


1 FOUNDATION PLAN - SECTOR D  
SCALE: 1/8" = 1'-0"

2 PIER CAP PLAN DETAIL, PC3  
SCALE: 3/4" = 1'-0"

3 PIER CAP SECTION, PC1  
SCALE: 3/4" = 1'-0"

- FOUNDATION PLAN NOTES**
1. REFER SB105 FOR PC3 DETAILS
  2. RIGID FRAMES BY PEMB MFG
  3. RIGID FRAMES BY PEMB MFG. PROVIDE ANCHOR BOLTS WITHIN F OF ANCHOR BOLTS
  4. LEAN TO COLUMNS BY PEMB MFG
  5. RIGID FRAMES BY PEMB MFG. PROVIDE (B) ANCHOR BOLTS WITHIN F OF ANCHOR BOLTS
- EXISTING BUILDING, REFER ARCH



1 FOUNDATION PLAN - SECTOR D  
SCALE: 1/8" = 1'-0"

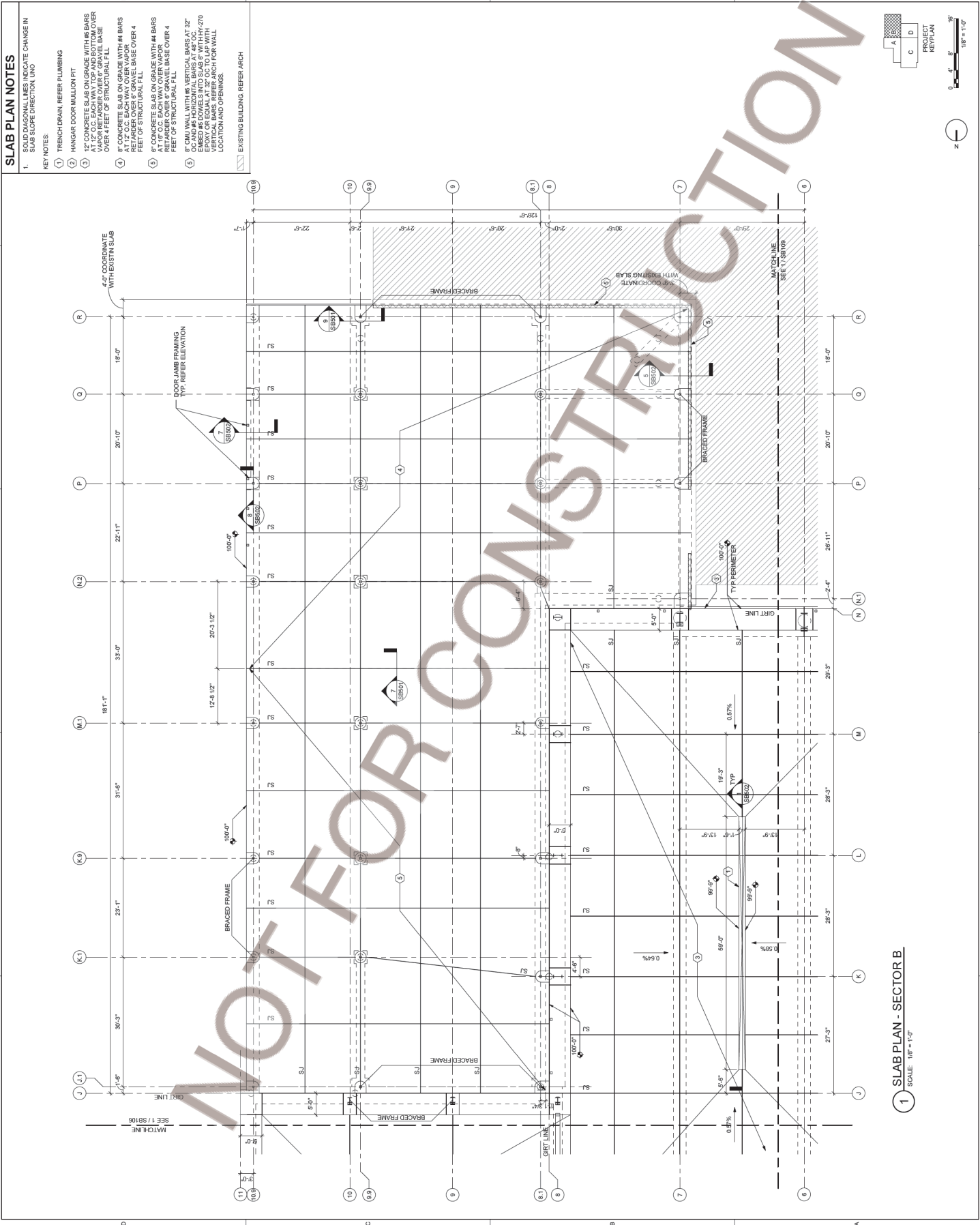
2 PIER CAP PLAN DETAIL, PC3  
SCALE: 3/4" = 1'-0"

3 PIER CAP SECTION, PC1  
SCALE: 3/4" = 1'-0"










- SLAB PLAN NOTES**
1. SOLID DIAGONAL LINES INDICATE CHANGE IN SLAB SLOPE DIRECTION, UNO
- KEY NOTES:**
- 1. TRENCH DRAIN, REFER PLUMBING
  - 2. HANGAR DOOR MULLION PIT
  - 3. 12" CONCRETE SLAB ON GRADE WITH #6 BARS AT 12" O.C. EACH WAY TOP AND BOTTOM OVER 1" LAPPED REINFORCING BARS BASE OVER 1" LAPPED REINFORCING BARS BASE
  - 4. 8" CONCRETE SLAB ON GRADE WITH #4 BARS RETARDER OVER 6" GRAVEL BASE OVER 4" FEET OF STRUCTURAL FILL
  - 5. 6" CONCRETE SLAB ON GRADE WITH #4 BARS RETARDER OVER 6" GRAVEL BASE OVER 4" FEET OF STRUCTURAL FILL
  - 6. 6" CONCRETE SLAB ON GRADE WITH #4 BARS RETARDER OVER 6" GRAVEL BASE OVER 4" FEET OF STRUCTURAL FILL
  - 7. 6" CONCRETE SLAB ON GRADE WITH #4 BARS RETARDER OVER 6" GRAVEL BASE OVER 4" FEET OF STRUCTURAL FILL
  - 8. 6" CONCRETE SLAB ON GRADE WITH #4 BARS RETARDER OVER 6" GRAVEL BASE OVER 4" FEET OF STRUCTURAL FILL
  - 9. 6" CONCRETE SLAB ON GRADE WITH #4 BARS RETARDER OVER 6" GRAVEL BASE OVER 4" FEET OF STRUCTURAL FILL
  - 10. 6" CONCRETE SLAB ON GRADE WITH #4 BARS RETARDER OVER 6" GRAVEL BASE OVER 4" FEET OF STRUCTURAL FILL
- EXISTING BUILDING REFER ARCH



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**New Hangar**  
**Will Rogers World Airport, Oklahoma City, OK**

PROJECT INFORMATION	
DESIGNED BY:	DATE:
DRAWN BY:	DATE:
PROJECT MANAGER:	DATE:
PROJECT NUMBER:	DATE:
PROJECT NAME:	DATE:
PROJECT LOCATION:	DATE:
PROJECT TITLE:	DATE:
SLAB PLAN - SECTOR B	
REVISION:	DATE:
1/17/2023	DATE:
SHEET NUMBER:	DATE:
SB107	DATE:

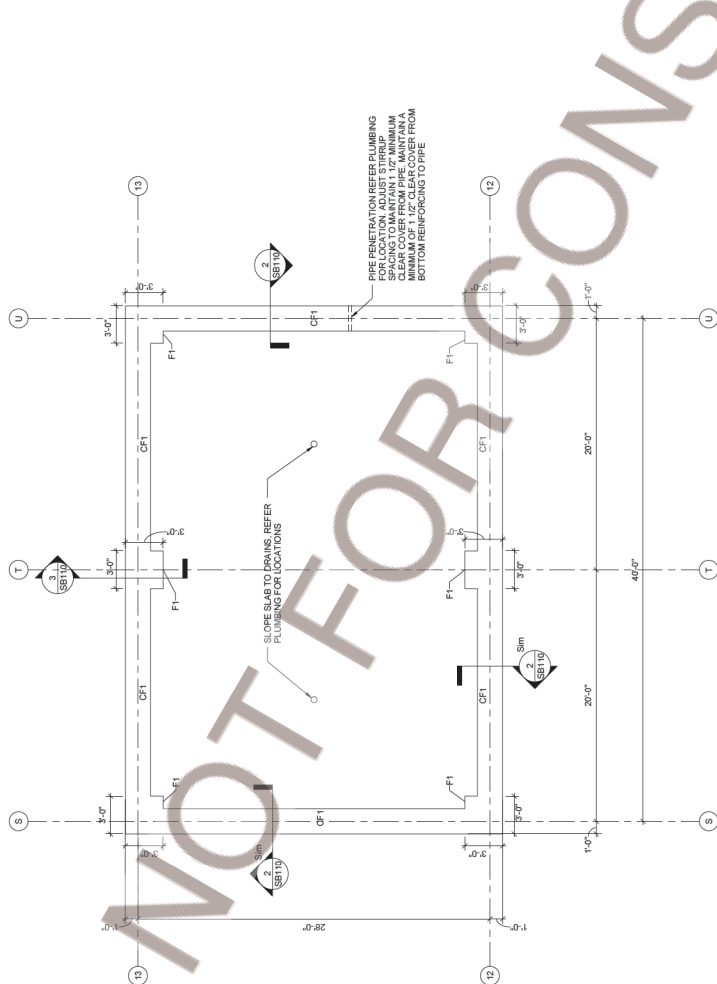




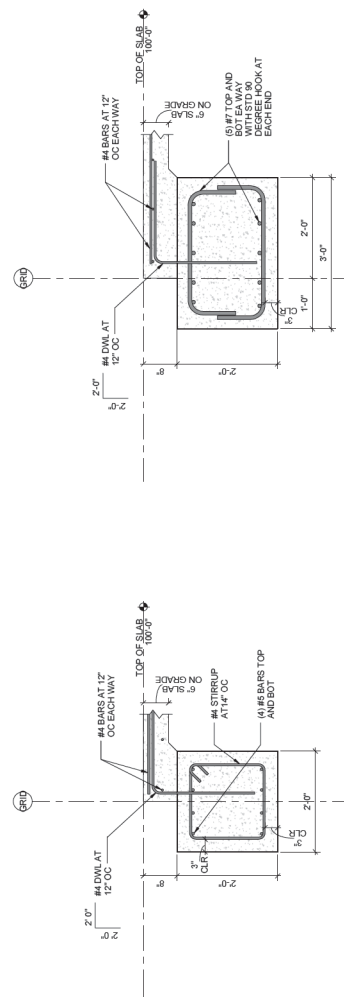








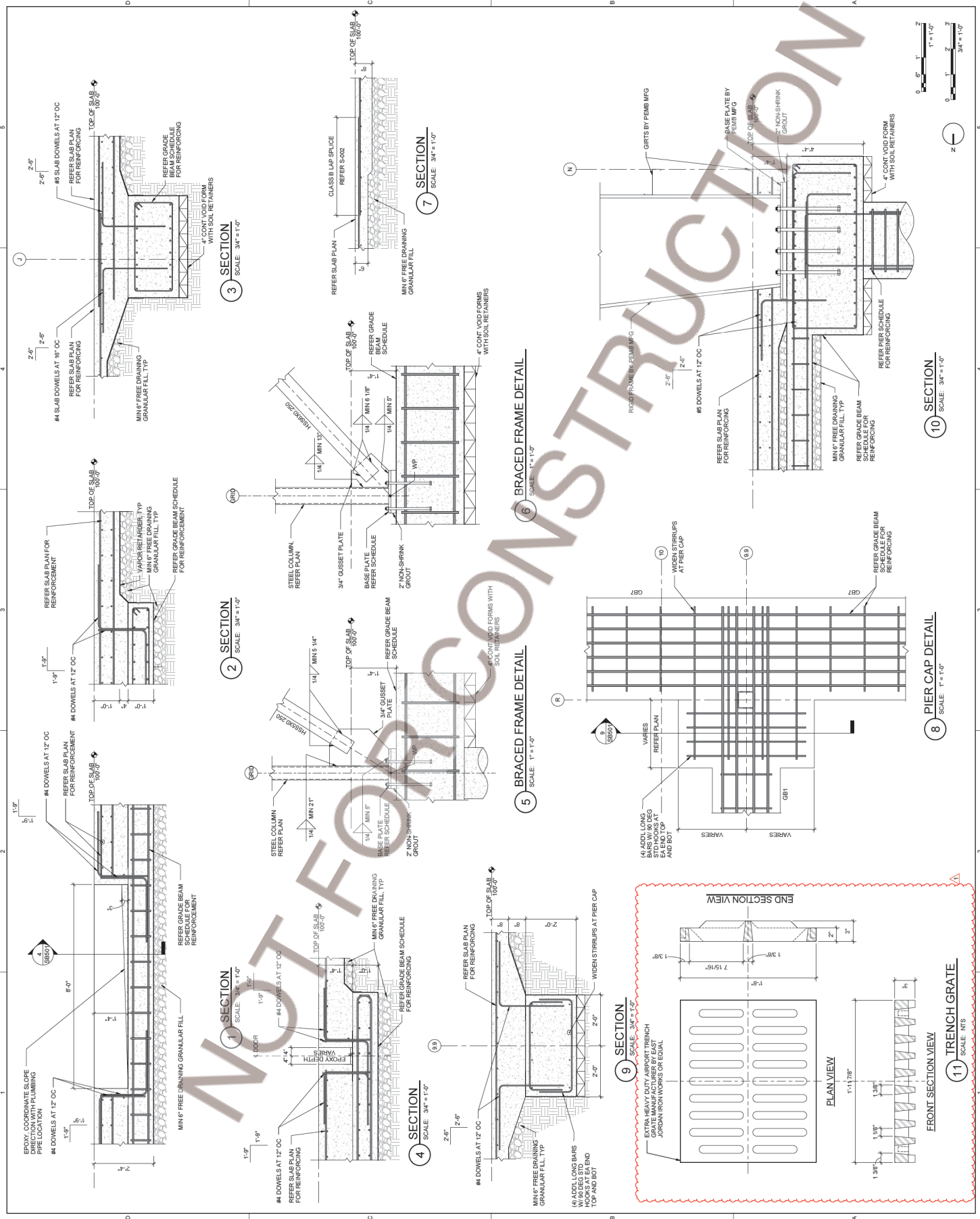
1 FUEL BUILDING FOUNDATION PLAN  
SCALE: 1/4" = 1'-0"



2 CONTINUOUS FOOTING SECTION, CF1  
SCALE: 1" = 1'-0"

3 FOOTING SECTION, F1  
SCALE: 1" = 1'-0"



[illegible]















FRAMING PLAN NOTES	
1.	FOR COLUMN SIZES, REF TO THE FOUNDATION
2.	ANY MODIFICATION TO FRAMING MEMBER LOCATIONS SHALL BE COORDINATED WITH OTHER DISCIPLINES.
3.	REFER TO ARCHITECTURAL DOOR SCHEDULE, DOOR SCHEDULE AND FINISHES FOR MISC. STEEL MATERIALS AT JAMB AS REQUIRED.
4.	AMOUNT OF CAMBER REQUIRED IS SHOWN IN BRACKET'S NEXT TO MEMBER SIZE.
KEY NOTES:	
①	1.6820 GALV. ROOF DECK ATTACHED TO EXISTING CONCRETE SLAB ON GRADE. CENTER WITH #10 TIE'S SIDE LAP SCREWS AT 36" INCHES ON CENTER.
②	COORDINATE OPENINGS SIZE AND LOCATION WITH MECH. FRAME PER DETAIL. S/ 15-000
③	PROVIDE BOTTOM FLANGE BRACE PER DETAIL 10' 0-000
④	FALL ARREST. REFER S/ 106
⑤	STEEL OUTRIGGER BY REMB WFG TO BE PROVIDED TO SUPPORT 12" PURLINS AT 5'-0" OC MAX. SUPPORTING 12" PURLINS AT 5'-0" OC MAX.
⑥	EXISTING BUILDING. REFER ARCH.

[illegible][illegible]

11/7/2023 6:01:31 PM Autodesk Docs \| IAR-CKC Hanger\30850-AAR HANGAR-S-22.rvt



1. FOR COLUMN SIZES, REF TO THE FOUNDATION PLAN.
2. ANY MODIFICATION TO FRAMING MEMBER LOCATIONS SHALL BE COORDINATED WITH OTHER DISCIPLINES.

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SF104

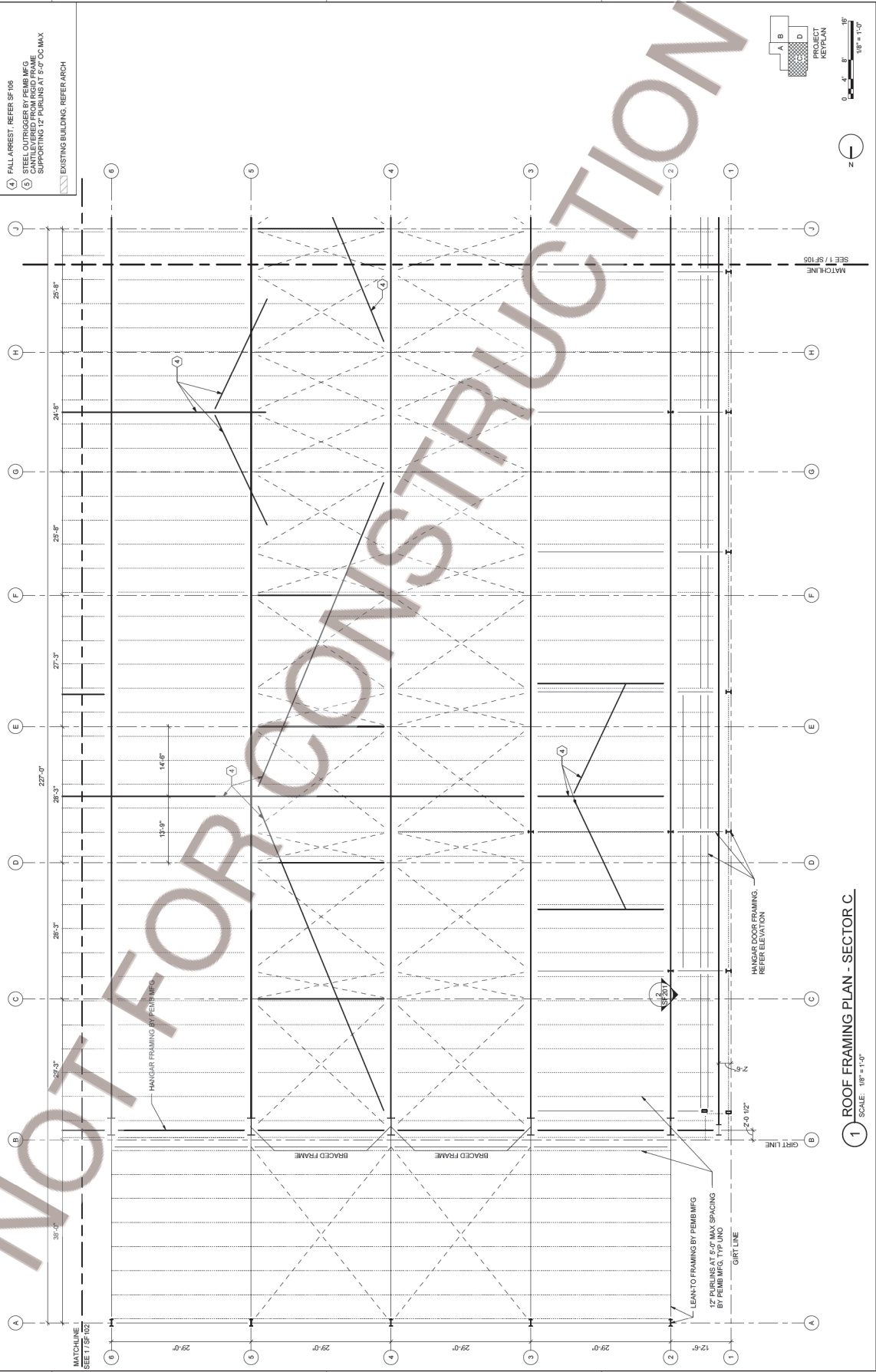
100% IS

## FRAMING PLAN NOTES

1. FOR COLUMN SIZES, REF TO THE FOUNDATION PLAN.
2. ANY MODIFICATION TO FRAMING MEMBER LOCATIONS SHALL BE COORDINATED WITH OTHER DISCIPLINES.
3. REFER TO ARCHITECTURAL DOOR SCHEDULE, AND WINDOW DETAILS FOR MISC. STEEL MATERIAL AT JAMB AS REQUIRED.
4. AMOUNT OF CAMBER REQUIRED IS SHOWN IN BRACKETS NEXT TO MEMBER SIZE.

**KEY NOTES:**

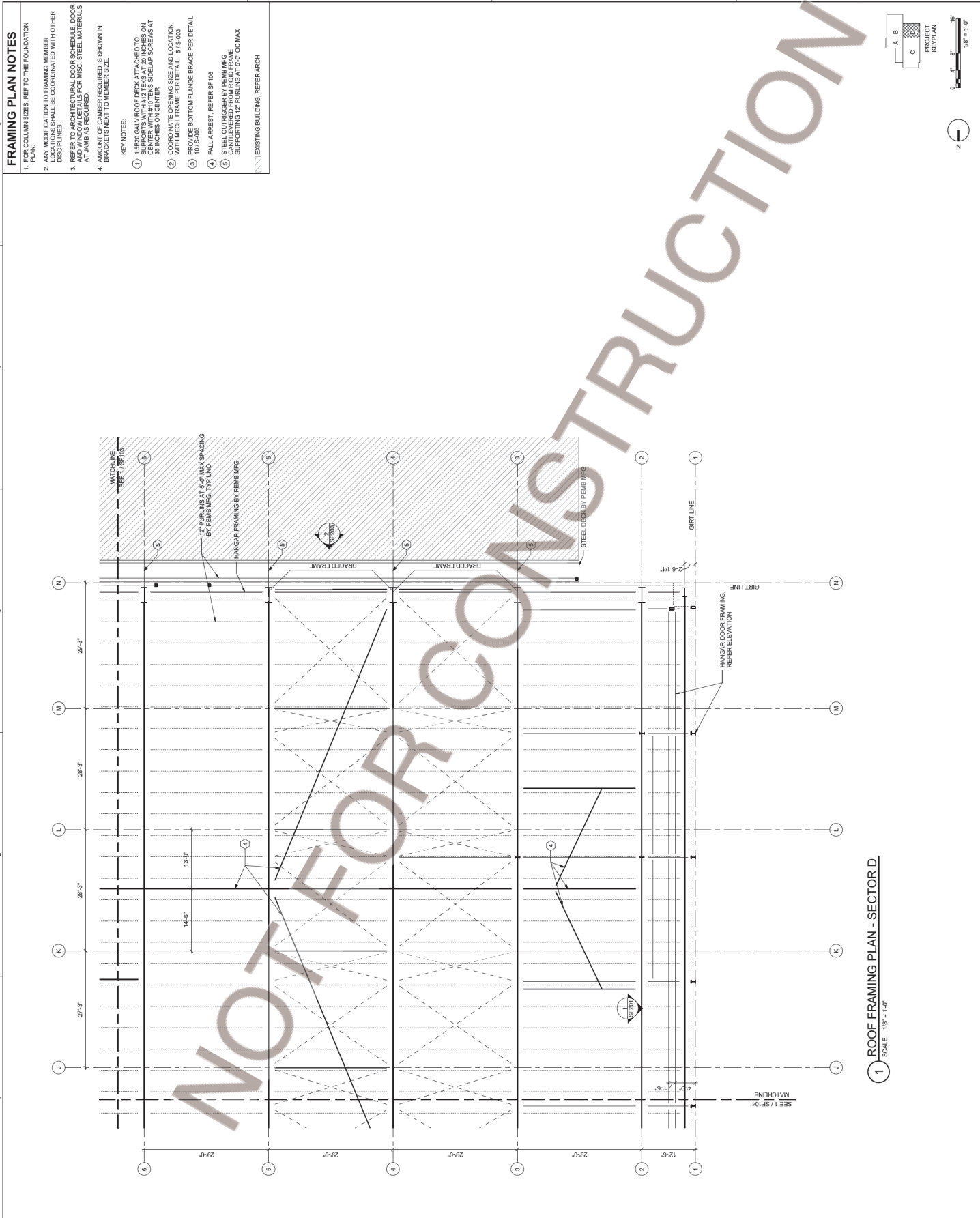
- ① 1.9520 GALV. ROOF DECK ATTACHED TO SUBSTRATE WITH 1/2" DIA. SCREWS ON CENTER WITH #10 TEK'S SIDELAP SCREWS AT 36 INCHES ON CENTER
  - ② COORDINATE OPENING SIZE AND LOCATION WITH MECH. FRAME PER DETAIL 5/5-003
  - ③ PROVIDE BOTTOM FLANGE BRACE PER DETAIL 10/5-003
  - ④ FALL ARREST, REFER SF-06
  - ⑤ STEEL OUTRIGGER BY PEMB MFG CANTILEVERED FROM RIGID FRAME SUPPORTING 12' PURLINS AT 5'-0" OC MAX
- EXISTING BUILDING, REFER ARCH



1  
SCALE: 1/8" = 1'-0"

1'-0"



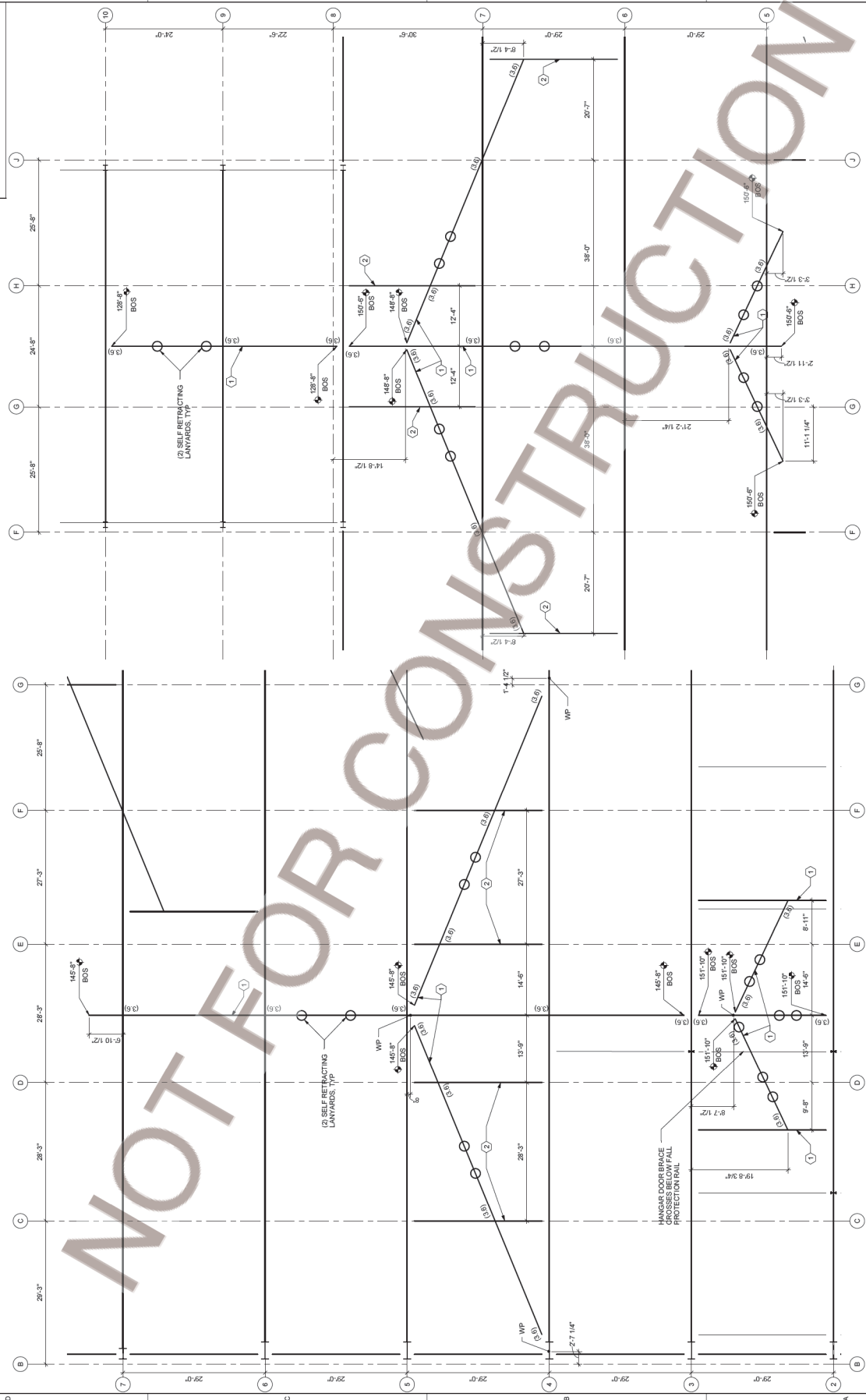




KEY NOTES:

- ① RIGID FALL ARREST SYSTEM FOR 2 USERS BY OTHERS
- ② FALL ARREST SUPPORT FRAMING BY PEMB MFG

2) FALL ARREST SUPPORT FRAMING BY PEMB MFG



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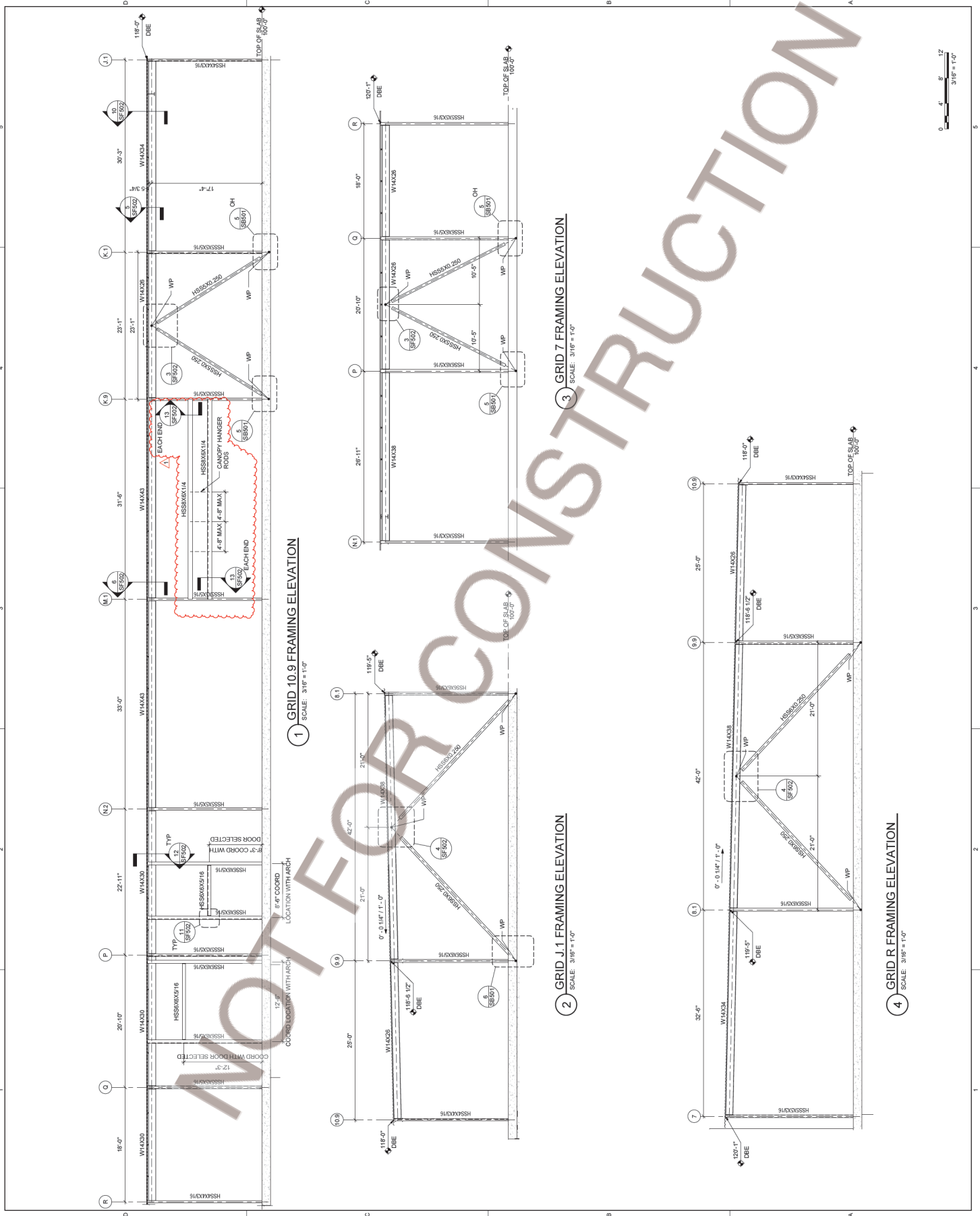
2 FALL ARREST PLAN - SECTOR A  
SCALE: 1/8" = 1'-0"









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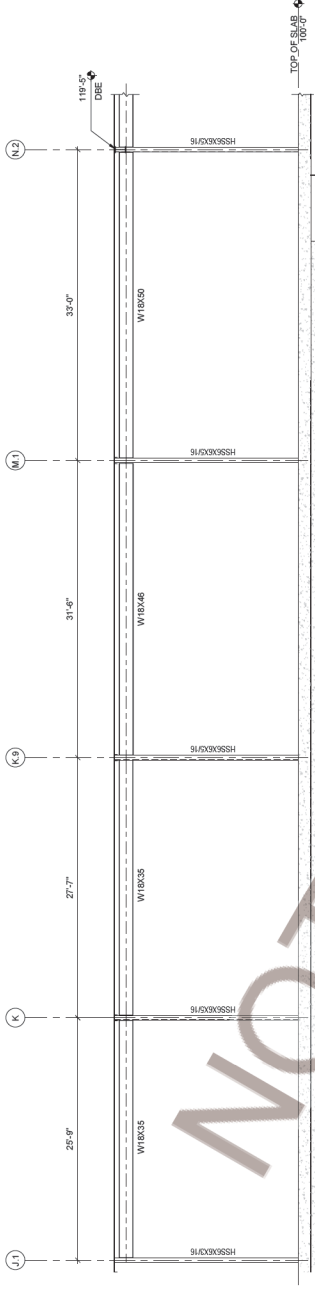


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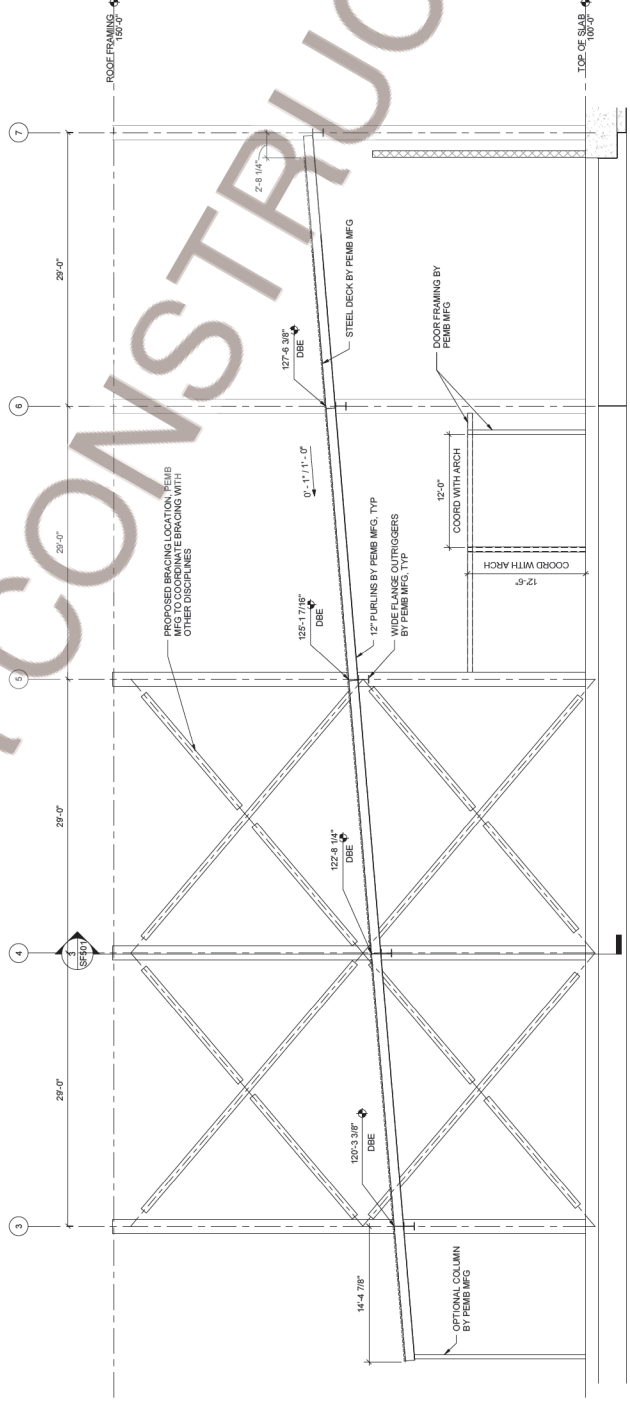


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PROJECT INFORMATION	
DESIGNED BY:	DATE:
DRAWN BY:	DATE:
REVIEWED BY:	DATE:
PROJECT MANAGER:	TJD
PROJECT NUMBER:	117/0023
ISSUED FOR PERMIT:	11/7/2023
SHEET TITLE:	FRAMING ELEVATIONS
FRAMING ELEVATIONS	
REVISION:	
DATE:	
SHEET NUMBER:	SF203



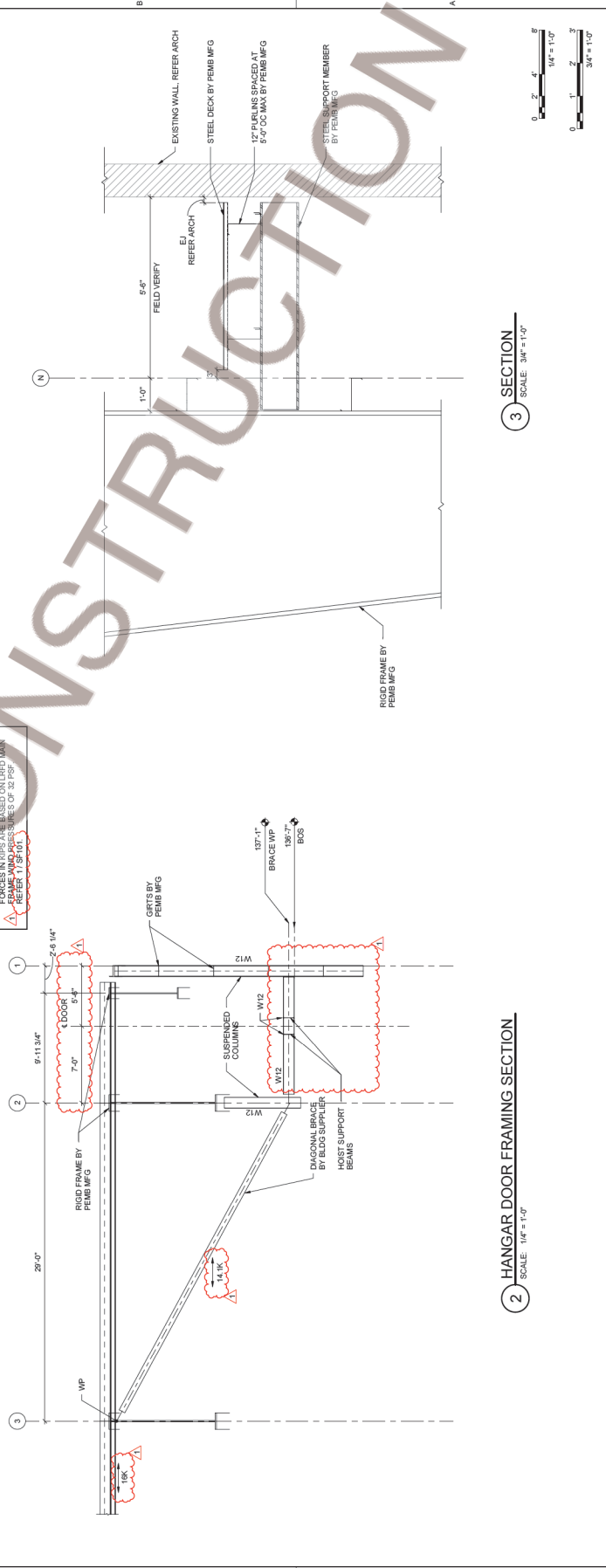
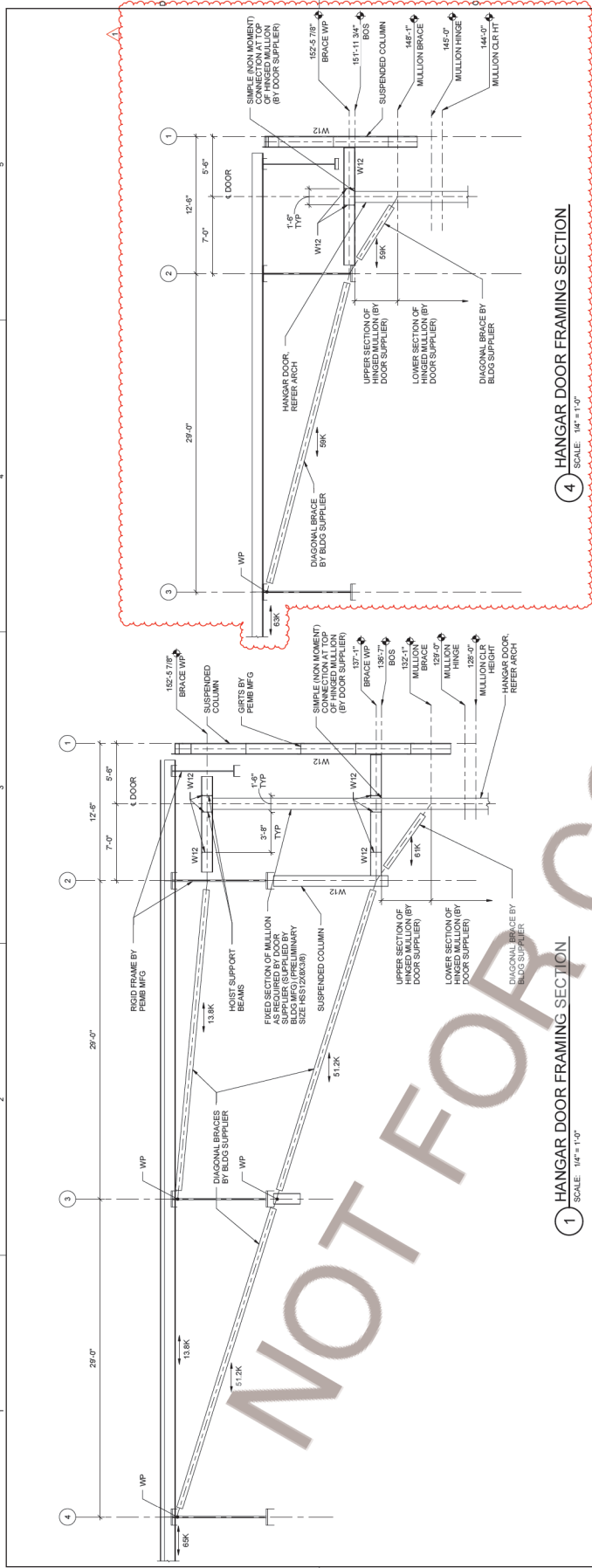
1 GRID 8.1 FRAMING ELEVATION  
SCALE: 3/16" = 1'-0"



2 FRAMING ELEVATION BETWEEN NEW AND EXISTING HANGAR  
SCALE: 3/16" = 1'-0"





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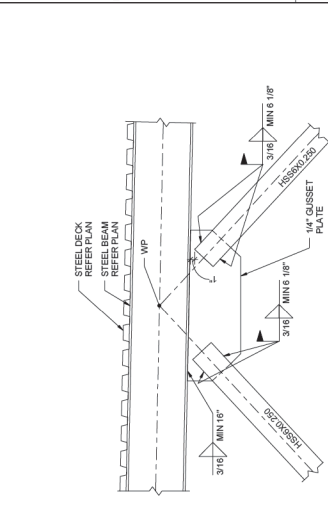
**AAR Corporation**  
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PROJECT INFORMATION	
PROJECT NUMBER	11702024
PROJECT NAME	Will Rogers World Airport, Oklahoma City, OK
PROJECT LOCATION	Oklahoma City, OK
PROJECT DATE	11/17/2024
PROJECT SHEET	11702024-SF502
FRAMING SECTIONS AND DETAILS	
SECTION	11702024
DETAIL	11702024
SHEET NUMBER	
SF502	

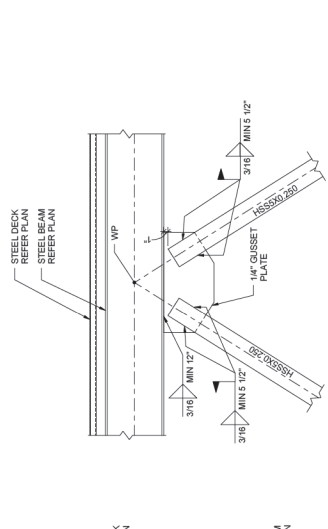
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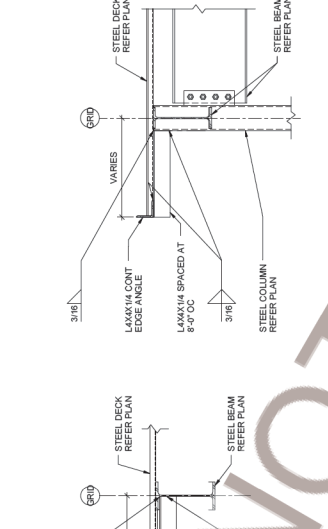
**1501** Building Solutions  
1501 Building Solutions  
Oklahoma City, OK 73102-7038  
405.842.2531 | bbs-a.com



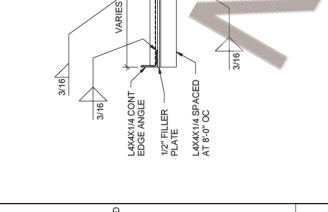
**1** SECTION  
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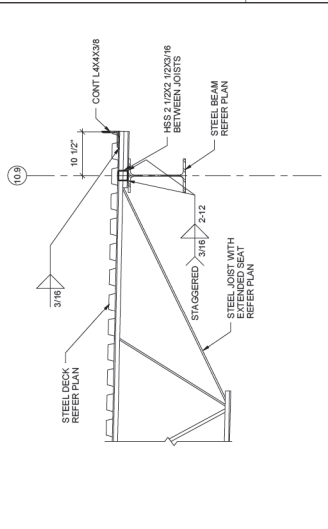
**2** SECTION  
SCALE: 1"=1'-0"



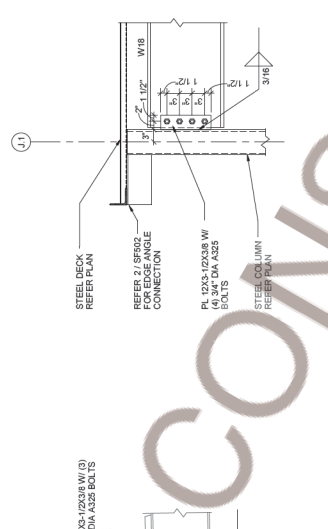
**3** SECTION  
SCALE: 1"=1'-0"



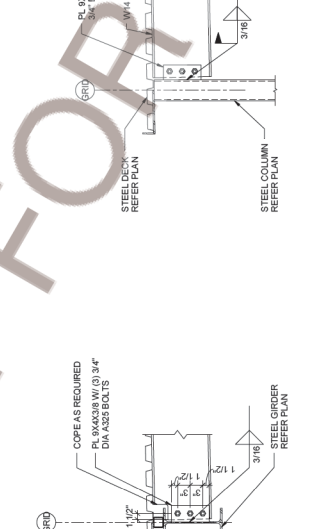
**4** BRACED FRAME DETAIL  
SCALE: 1"=1'-0"



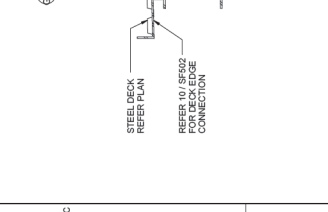
**5** SECTION  
SCALE: 1"=1'-0"



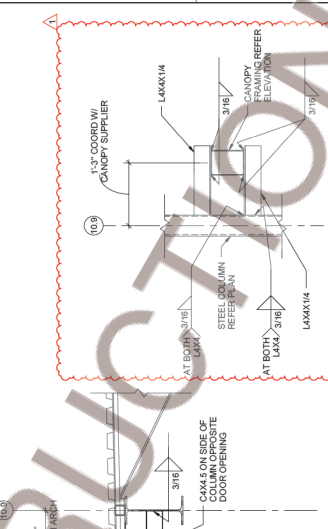
**6** SECTION  
SCALE: 1"=1'-0"



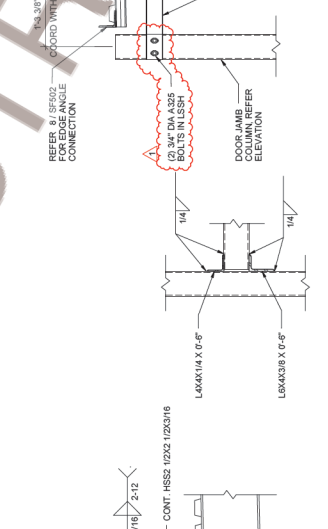
**7** SECTION  
SCALE: 1"=1'-0"



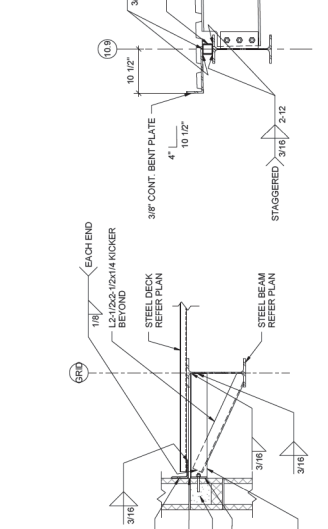
**8** SECTION  
SCALE: 1"=1'-0"



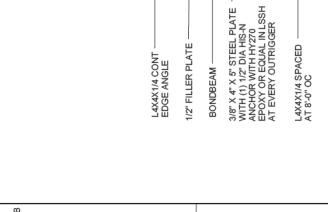
**9** SECTION  
SCALE: 1"=1'-0"



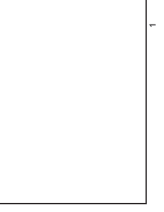
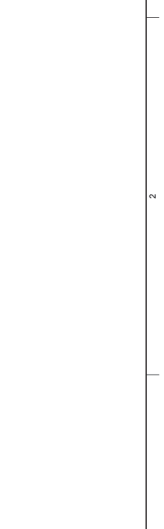
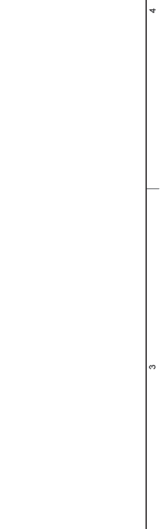
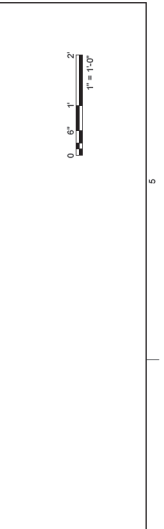
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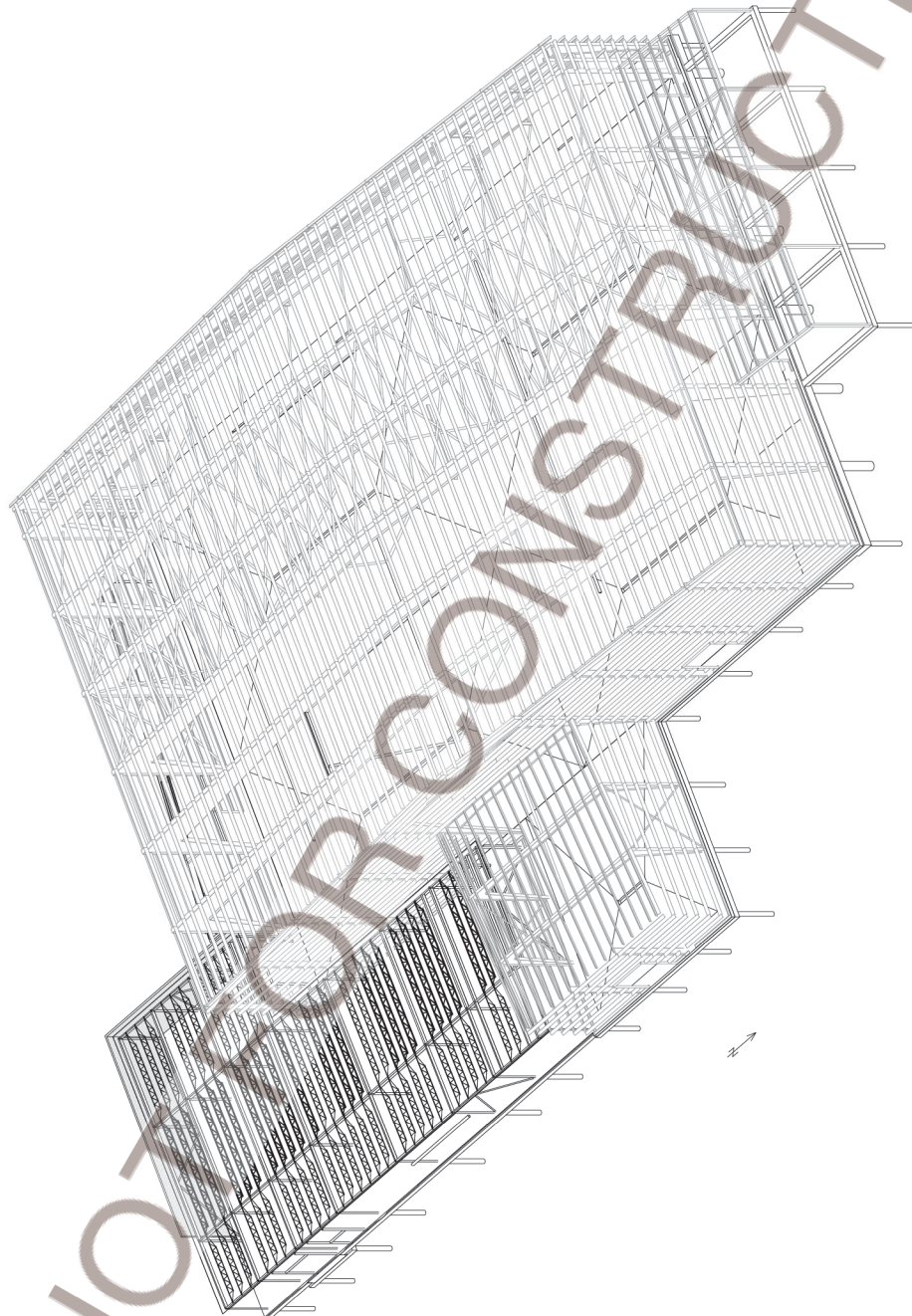
**11** DETAIL  
SCALE: 1"=1'-0"



**12** DETAIL  
SCALE: 1"=1'-0"







1 NORTHEAST ISOMETRIC VIEW  
SCALE: NTS

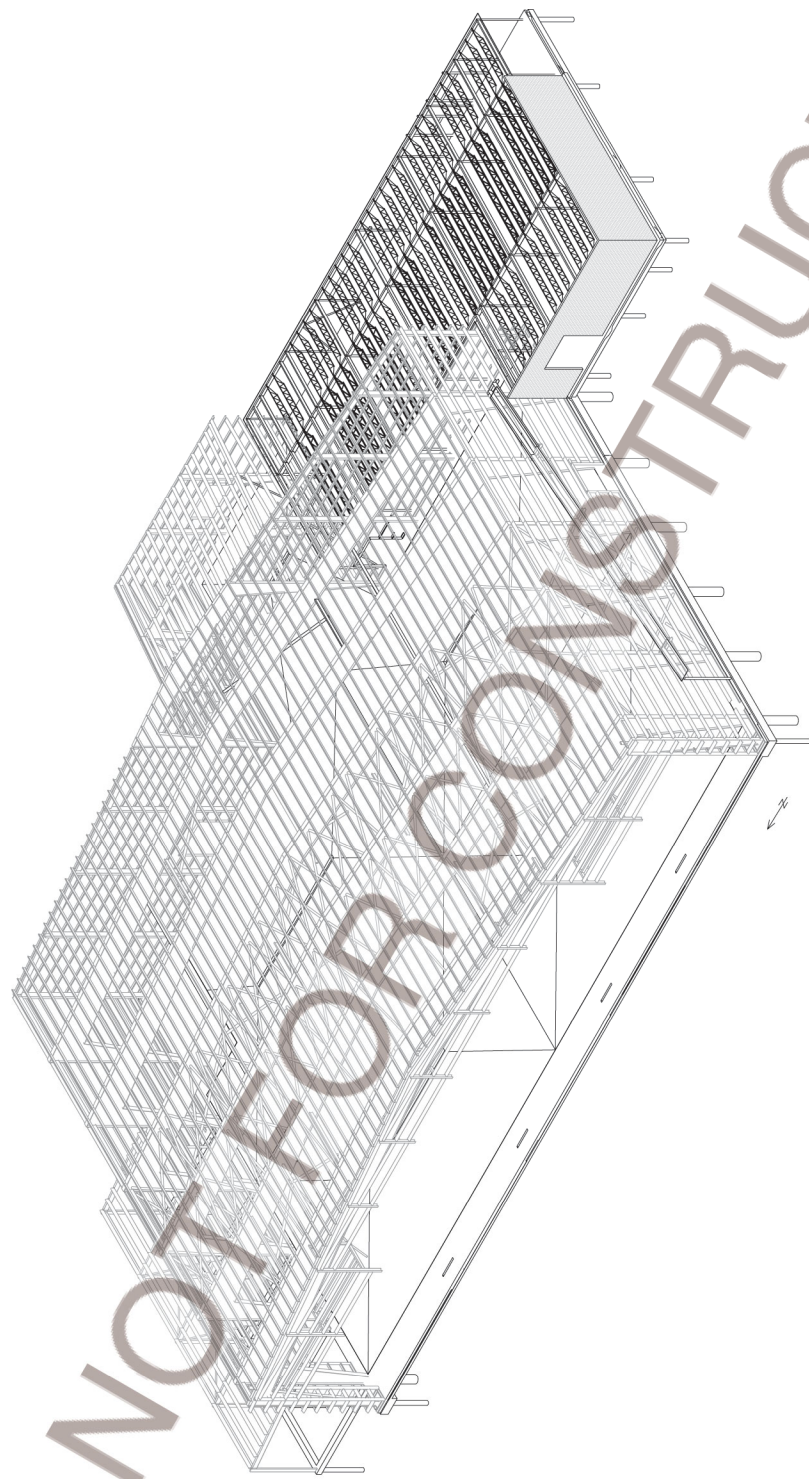


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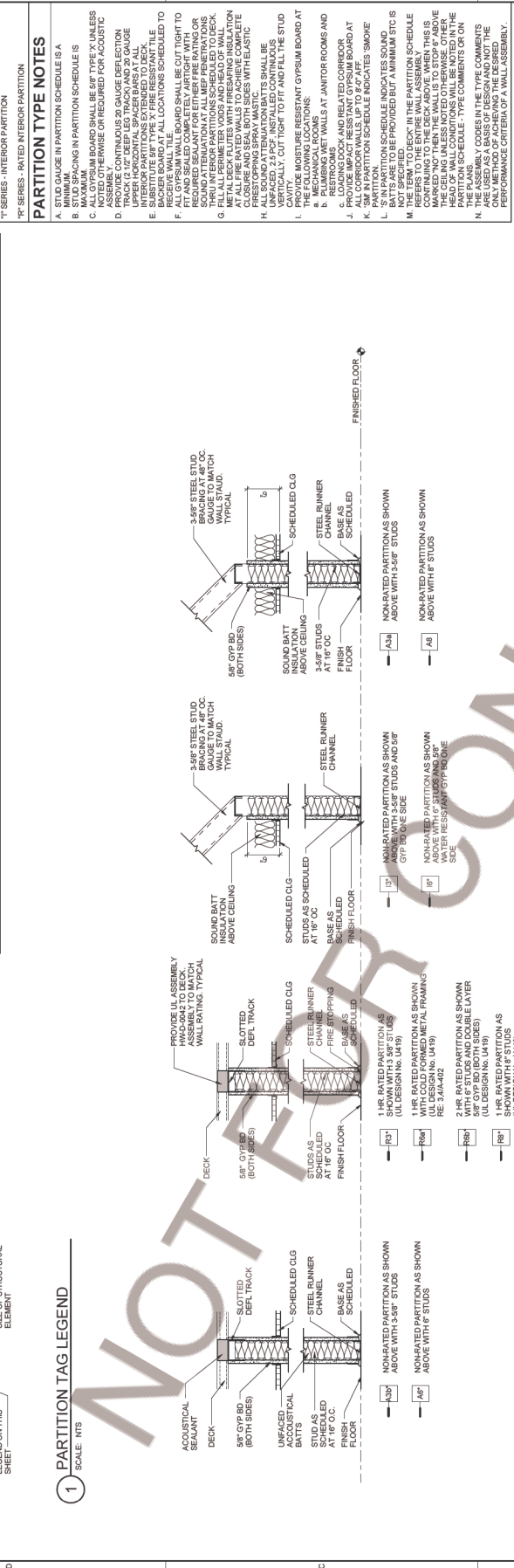


1 SOUTHWEST ISOMETRIC VIEW  
SCALE: NTS







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## 2 PARTITION TYPES

SCALE: NTS







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COMPOSITE FLOOR PLAN

SCALE: 1/8" = 1'-0"

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12'-0"

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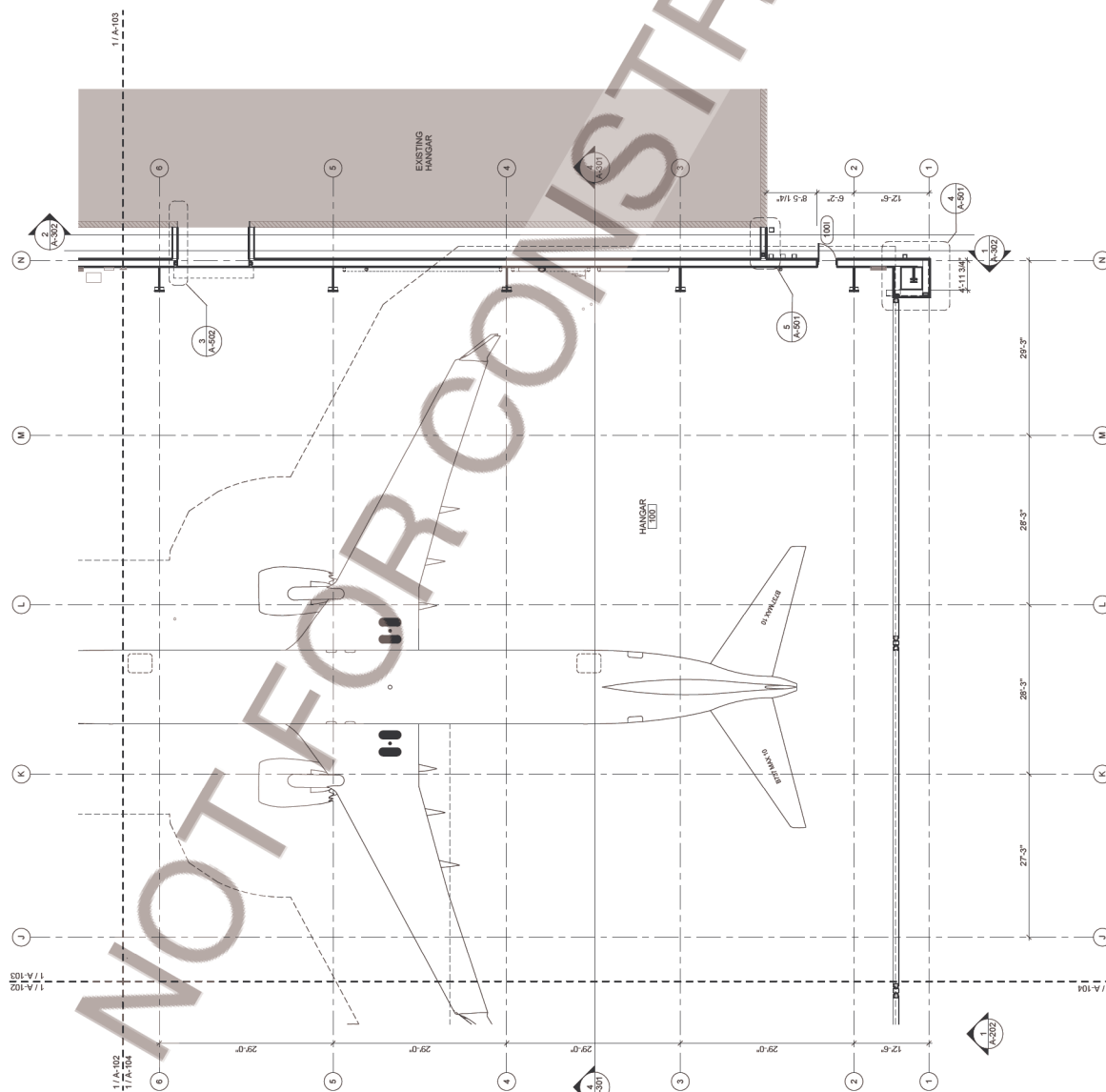






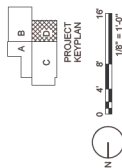
## GENERAL NOTES

- A. ALL CEILING HEIGHTS TO BE 10'0" AFF, UNLESS OTHERWISE NOTED.
- B. ALL CEILING JOINTS TO BE 1/8" MAX. GAPS.
- C. FACE OF THE PREFINISHED METAL WALL PANEL, INCLUDING THE JOINTS, SHALL BE FINISHED TO MATCH THE INTERIOR SURFACE OF THE WALL PANEL.
- D. ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD WALLS, UNLESS OTHERWISE NOTED.
- E. ALL STUDS, JOINTS, JOINTS, OR OTHER EXPOSED UNFINISHED MATERIAL SHALL BE PAINTED, UNLESS OTHERWISE NOTED.
- F. SUSPENDED CEILING WIRE SHALL BE 1/8" DIA. GALV. STEEL, UNLESS OTHERWISE NOTED.
- G. MECHANICAL EQUIPMENT TO MAINTAIN SERVICE CLEARANCES.
- H. EDGES OF ACoustICAL CEILING GRID SHALL RECEIVE FINISHING TREATMENT OF FINISH WALL, UNLESS OTHERWISE NOTED.
- I. FIRST THREE ROWS OF ACoustICAL CEILING FROM TOP OF STUD WALL SHALL BE FINISHED TO MATCH THE INTERIOR SURFACE OF THE STUD WALL.
- J. SHALL RECEIVE TOLDO DIPS, UNLESS OTHERWISE NOTED.
- K. CEILING SHALL BE FINISHED TO MATCH THE INTERIOR SURFACE OF THE STUD WALL, UNLESS OTHERWISE NOTED.
- L. CONTRACTOR SHALL COORDINATE SPRINKLER SYSTEMS WITH OTHER BUILDING SYSTEMS SHALL BE FINISHED TO MATCH THE INTERIOR SURFACE OF THE STUD WALL, UNLESS OTHERWISE NOTED.
- M. LIGHT FIXTURES SHALL BE HALF WHITE AND HALF BLACK, UNLESS OTHERWISE NOTED.
- N. EMERGENCY BACKUP POWER.
- O. ALL LIGHTS TO BE CEILING MOUNTED WITHIN ROOM.
- P. REFER TO ENLARGED PLANS FOR EQUIPMENT SCHEDULE AND DIMENSIONS.
- Q. REFER TO MECHANICAL PLANS FOR ROOMS 128 AND 129.
- R. REFER TO MECHANICAL PLANS FOR FURNITURE SCHEDULE AND DIMENSIONS.



GROUND FLOOR PLAN - SECTOR D

SCALE: 1/8" = 1'-0"







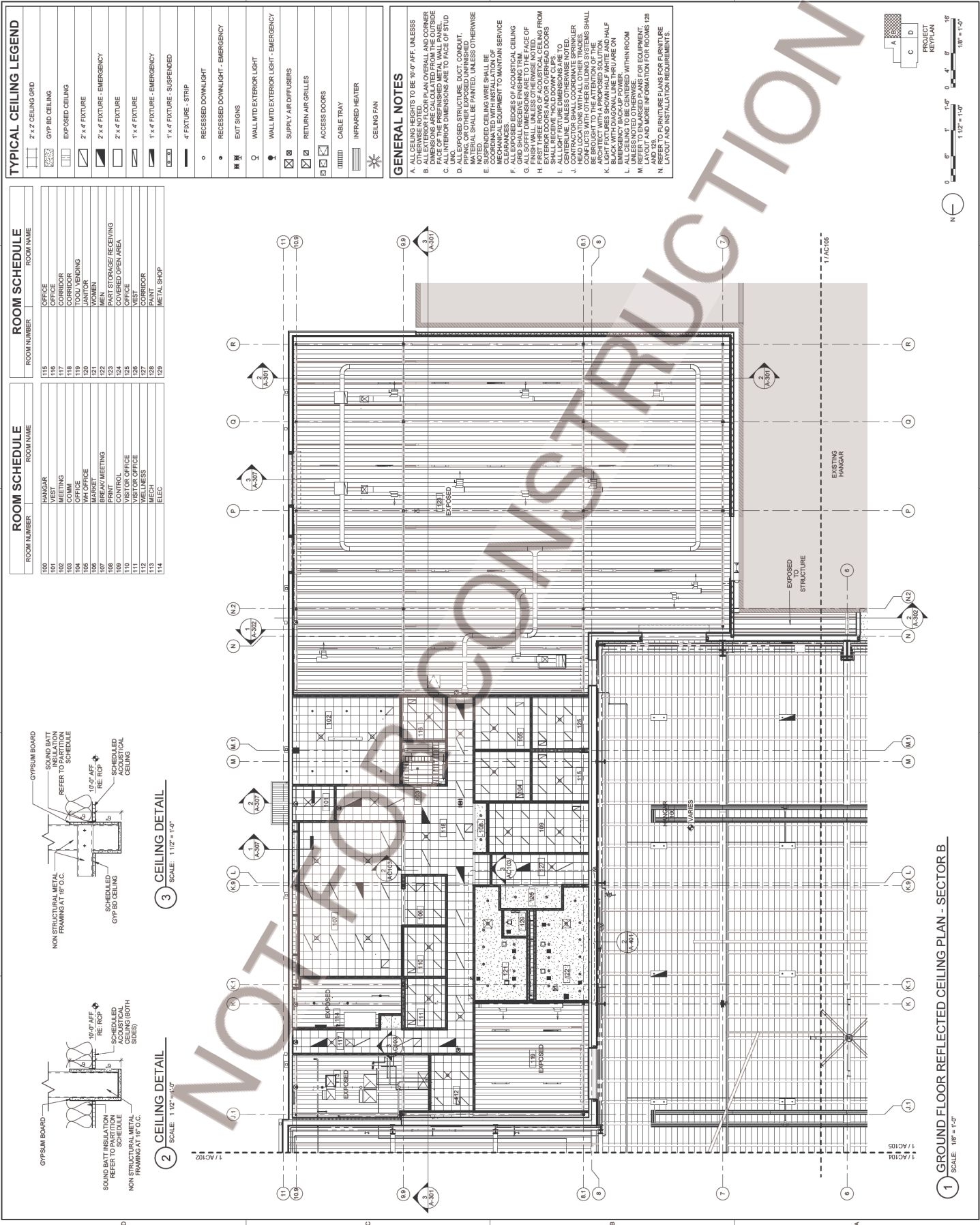












ROOM SCHEDULE		ROOM SCHEDULE	
ROOM NUMBER	ROOM NAME	ROOM NUMBER	ROOM NAME
100	TRAVELER	115	OFFICE
101	MEETING	116	OFFICE
102	COIN	117	CORRIDOR
103	OFFICE	118	CORRIDOR
104	OFFICE	119	TOILET
105	OFFICE	120	TOILET
106	MARKET	121	WOMEN
107	BREAK MEETING	122	MEN
108	PRINTING	123	ART STORAGE RECEIVING
109	CONTROL	124	ART STORAGE RECEIVING
110	VISITOR OFFICE	125	OFFICE
111	OFFICE	126	OFFICE
112	WELLNESS	127	OFFICE
113	OFFICE	128	OFFICE
114	ELEC	129	METAL SHOP

TYPICAL CEILING LEGEND	
	2' x 2' CEILING GRID
	GYP BO CEILING
	EXPOSED CEILING
	2' x 4' FIXTURE
	2' x 4' FIXTURE - EMERGENCY
	2' x 4' FIXTURE
	1' x 4' FIXTURE
	1' x 4' FIXTURE - EMERGENCY
	4' FIXTURE - STRIP
	RECESSED DOWNLIGHT
	EXIT SIGN
	WALL MTD EXTERIOR LIGHT
	WALL MTD EXTERIOR LIGHT - EMERGENCY
	SUPPLY AIR DIFFUSERS
	RETURN AIR GRILLES
	ACCESS DOORS
	CABLE TRAY
	INFRARED HEATER
	CEILING FAN

**GENERAL NOTES**

A. ALL CEILING HEIGHTS TO BE 10'-0" AFF. UNLESS OTHERWISE NOTED. 9'-6" OVERALL AND CORNER DIMENSIONS ARE CALCULATED FROM THE OUTSIDE FACE OF THE PREFINISHED METAL WALL PANEL.

B. UNIFORM DIMENSIONS ARE 1'-0" ON FACE OF STUD.

C. ALL CEILING HEIGHTS TO BE 10'-0" AFF. UNLESS OTHERWISE NOTED.

D. ALL CEILING HEIGHTS TO BE 10'-0" AFF. UNLESS OTHERWISE NOTED.

E. SUSPENDED CEILING WIRE SHALL BE 1/2" DIA. GALV. STEEL WIRE. ALL WIRING SHALL BE IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) REQUIREMENTS.

F. ALL CEILING HEIGHTS TO BE 10'-0" AFF. UNLESS OTHERWISE NOTED.

G. ALL CEILING HEIGHTS TO BE 10'-0" AFF. UNLESS OTHERWISE NOTED.

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ROOM SCHEDULE		ROOM SCHEDULE	
ROOM NUMBER	ROOM NAME	ROOM NUMBER	ROOM NAME
100	TRAVELER	115	OFFICE
101	MEETING	116	OFFICE
102	COIN	117	CORRIDOR
103	OFFICE	118	CORRIDOR
104	OFFICE	119	TOILET
105	OFFICE	120	TOILET
106	MARKET	121	WOMEN
107	BREAK MEETING	122	MEN
108	PRINTING	123	ART STORAGE RECEIVING
109	CONTROL	124	ART STORAGE RECEIVING
110	VISITOR OFFICE	125	OFFICE
111	OFFICE	126	OFFICE
112	WELLNESS	127	OFFICE
113	OFFICE	128	OFFICE
114	ELEC	129	METAL SHOP

**CEILING DETAIL**

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

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Will Rogers World Airport, Oklahoma City, OK  
9501 Broadway Extension, Suite 500  
Oklahoma City, OK 73179-7408  
405-242-2521 / 1-800-451-7408

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FINAL DESIGN OR  
SEALED DOCUMENT



**AAR Corporation**  
**New Hangar**  
**Will Rogers World Airport, Oklahoma City, OK**

NO.	DESCRIPTION	DATE
1	ISSUED	10-13-2016
2	REVISED	
3	REVISED	
4	REVISED	
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DESIGNED BY: JRL  
CHECKED BY: JRL  
APPROVED BY: JRL  
DATE: 10-13-2016

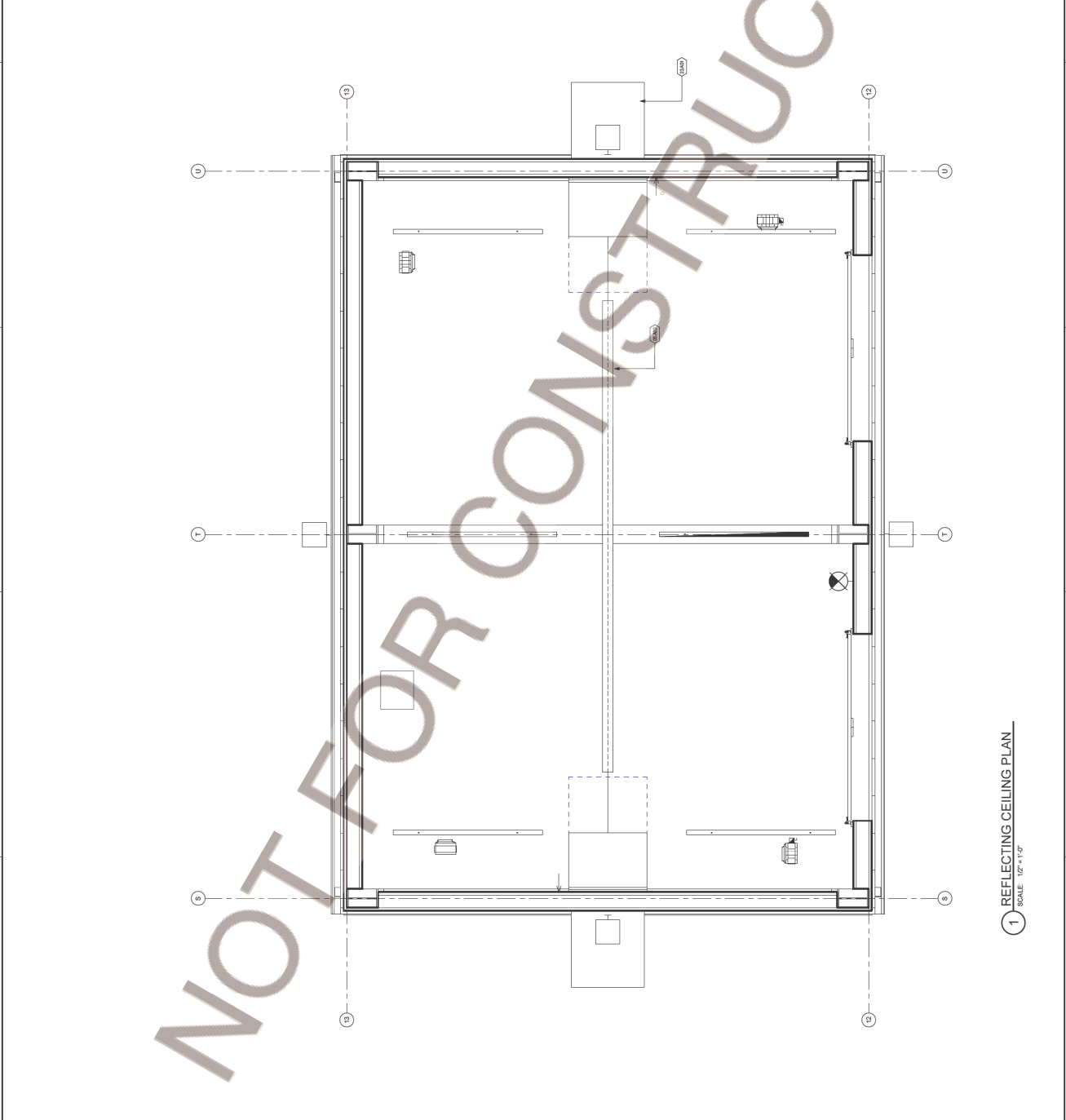
100% ISSUE FOR PERMIT  
GROUND FLOOR REFLECTED  
CEILING PLAN

AC106  
11/17/2020  
11/17/2020

**GENERAL NOTES**  
A. ALL CEILING LIGHTS TO BE MOUNTED AS HIGH AS POSSIBLE, UNLESS OTHERWISE NOTED. REFER TO MECHANICAL DRAWINGS FOR MOUNTING HEIGHTS.  
B. ALL EXTERIOR FLOOR PLAN OVERALL AND CORNER DIMENSIONS ARE TO FACE OF THE PREPARED METAL WALL PANELS.  
C. FACE OF THE PREPARED METAL WALL PANELS TO FACE OF THE PREPARED METAL WALL PANELS.  
D. ALL EXTERIOR DIMENSIONS ARE TO FACE OF STUD WALLS OR OTHER EXPOSED FINISHES.  
E. ALL LIGHT FIXTURE DIMENSIONS ARE TO FACE OF THE PREPARED METAL WALL PANELS.  
F. LIGHT FIXTURES SHOWN HALF WHITE AND HALF BLACK ARE TO BE HALF WHITE AND HALF BLACK.  
G. ALL DIMENSIONS ARE TO FACE OF THE PREPARED METAL WALL PANELS.  
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**TYPICAL CEILING LEGEND**  
1" x 8" TYPICAL - SUSPENDED  
1" x 8" NIGHT LIGHT FIXTURE - SUSPENDED  
EXIT SIGNS  
EXTERIOR WALL PACK  
CEILING HUNG ELECTRIC WATER

**SHEET KEYNOTES**  
1. ALL DIMENSIONS ARE TO FACE OF THE PREPARED METAL WALL PANELS.  
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1 REFLECTING CEILING PLAN  
SCALE: 1/2" = 1'-0"







**GENERAL NOTES**

A. ALL CEILING HEIGHTS TO BE 10'-0" AFF. UNLESS NOTED OTHERWISE.

B. ALL EXTERIOR FLOOR PLAN OVERALL AND CORNER DIMENSIONS ARE TO FACE OF THE PREFINISHED METAL WALL PANELS.

C. ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD WALLS.

D. ALL EXPOSED STRUCTURE, DUCT, CONDUIT, PIPING, AND MECHANICAL EQUIPMENT SHALL BE FINISHED TO MATCH THE FINISH OF THE ADJACENT WALLS. MATERIAL SHALL BE PAINTED, UNLESS OTHERWISE NOTED.

E. ALL EXPOSED CEILING WIRE SHALL BE COORDINATED WITH INSTALLATION OF MECHANICAL EQUIPMENT TO MAINTAIN SERVICE TO THE BUILDING.

F. ALL EXPOSED EDGES OF ACOUSTICAL CEILING SHALL BE FINISHED TO MATCH THE FINISH OF THE ADJACENT WALLS.

G. ALL SLOTT DIMENSIONS ARE TO THE FACE OF FINISH WALL UNLESS OTHERWISE NOTED.

H. EXTERIOR DOORS AND/OR OVERHEAD DOORS SHALL BE FINISHED TO MATCH THE FINISH OF THE ADJACENT WALLS.

I. ALL LIGHT FIXTURE DIMENSIONS ARE TO FACE OF THE FINISH WALL UNLESS OTHERWISE NOTED.

J. HEAD LOCATIONS WITH ALL OTHER TRACES, DIMENSIONS, AND FINISHES SHALL BE SHOWN ON THE BUILDING SYSTEMS SHALL BE SHOWN ON THE BUILDING SYSTEMS SHALL BE SHOWN ON THE BUILDING SYSTEMS.

K. ARCHITECT WITH A PROPOSED SOLUTION, ARCHITECT WITH A PROPOSED SOLUTION, ARCHITECT WITH A PROPOSED SOLUTION, ARCHITECT WITH A PROPOSED SOLUTION.

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M. EMERGENCY BACK-UP POWER SHALL BE SHOWN ON THE BUILDING SYSTEMS SHALL BE SHOWN ON THE BUILDING SYSTEMS SHALL BE SHOWN ON THE BUILDING SYSTEMS.

N. UNLESS NOTED OTHERWISE, THE BUILDING SYSTEMS SHALL BE SHOWN ON THE BUILDING SYSTEMS SHALL BE SHOWN ON THE BUILDING SYSTEMS SHALL BE SHOWN ON THE BUILDING SYSTEMS.

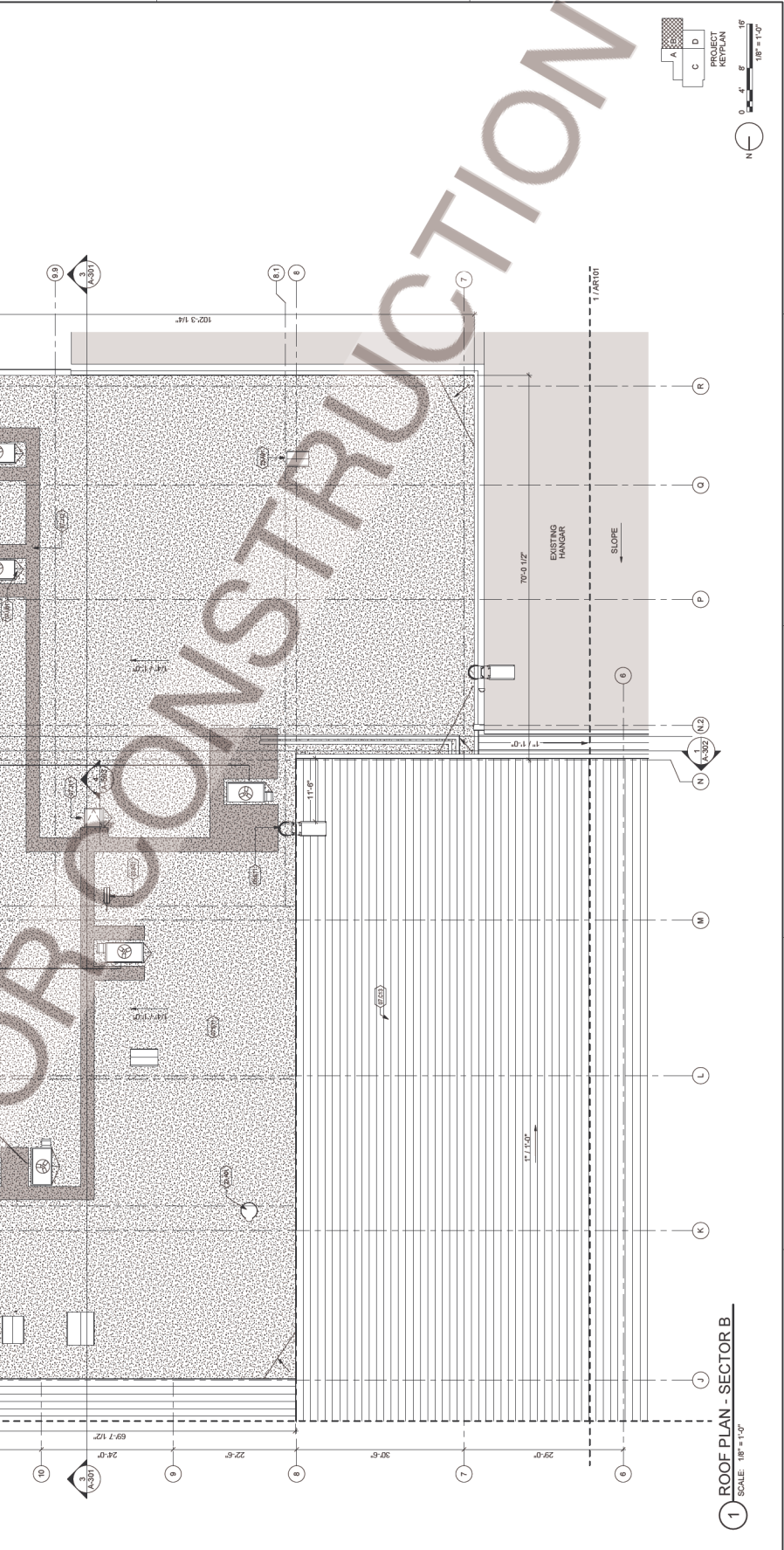
O. LAYOUT AND MORE INFORMATION FOR ROOMS 128 AND 129, FURNITURE PLANS FOR FURNITURE LAYOUT AND INSTALLATION REQUIREMENTS.

**SHEET KEYNOTES**

07 C13	STANDING SEAM METAL ROOF
07 E11	STANDING SEAM CORRUGATED METAL BUILDING PACKAGE
23 A01	MODIFIED BITUMEN ROOF
	TO MECHANICAL DRAWINGS

**REVISION HISTORY**

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	11/17/2023
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**1 ROOF PLAN - SECTOR B**  
SCALE: 1/8" = 1'-0"



**PRELIMINARY**  
THIS DOCUMENT IS  
PRELIMINARY IN  
NATURE AND IS NOT A  
FINAL DOCUMENT  
FOR CONSTRUCTION



**AAR Corporation**  
**New Hangar**  
**Will Rogers World Airport, Oklahoma City, OK**

**PROJECT INFORMATION**

DESIGNED BY:	MBP
DRAWN BY:	CGA
REVIEWED BY:	JBL
PROJECT MANAGER:	JBL
PROJECT NUMBER:	1177023
DATE:	11/17/2023
SHEET TITLE:	ROOF PLAN - SECTOR B
SHEET NUMBER:	AR102



9501 Broadway Extension, Suite 505  
Oklahoma City, OK 73179-7608  
Tel: 405-242-2111 Fax: 405-242-2111

PRELIMINARY

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A CONTRACT DOCUMENT. IT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION CONTAINED HEREIN.

AAR CORPORATION

Will Rogers World Airport,  
New Hangar  
AAR Corporation

Oklahoma City, OK

NO.	DESCRIPTION	DATE
1	ISSUED	01/13/2024
2	REVISION	
3	REVISION	
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100	REVISION	

DESIGNED BY: JRL

REVIEWED BY: JRL

APPROVED BY: JRL

DATE: 01/13/2024

PROJECT NAME: Will Rogers World Airport, New Hangar

PROJECT NUMBER: 2023-001

PROJECT LOCATION: Oklahoma City, OK

PROJECT STATUS: In Progress

100% ISSUE FOR PERMIT

AR103

- GENERAL NOTES

A. ALL CEILING LIGHTS TO BE MOUNTED AS HIGH AS POSSIBLE TO CLEAR ALL OBSTACLES. REFER TO ELECTRICAL.

B. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. REFER TO ARCHITECTURAL.

C. FACE OF THE PREFINISHED METAL WALL PANELS TO BE USED FOR ALL DIMENSIONS TO THE OUTSIDE UNLESS OTHERWISE NOTED.

D. UNLESS OTHERWISE NOTED, ALL DIMENSIONS TO FACE OF THE PREFINISHED METAL WALL PANELS TO BE USED FOR ALL DIMENSIONS TO THE OUTSIDE UNLESS OTHERWISE NOTED.

E. UNLESS OTHERWISE NOTED, ALL DIMENSIONS TO FACE OF THE PREFINISHED METAL WALL PANELS TO BE USED FOR ALL DIMENSIONS TO THE OUTSIDE UNLESS OTHERWISE NOTED.

F. LIGHT FIXTURES SHOWN HALF WHITE AND HALF BLACK. REFER TO ELECTRICAL.

G. EMERGENCY BACKUP POWER, TERM, AMPS AND CLOSURE DETAILS ARE TO BE DETAILED BY PRE-ENGINEERED METAL BUILDING COMPANY. COORDINATED BY GENERAL CONTRACTOR. TYPICAL.

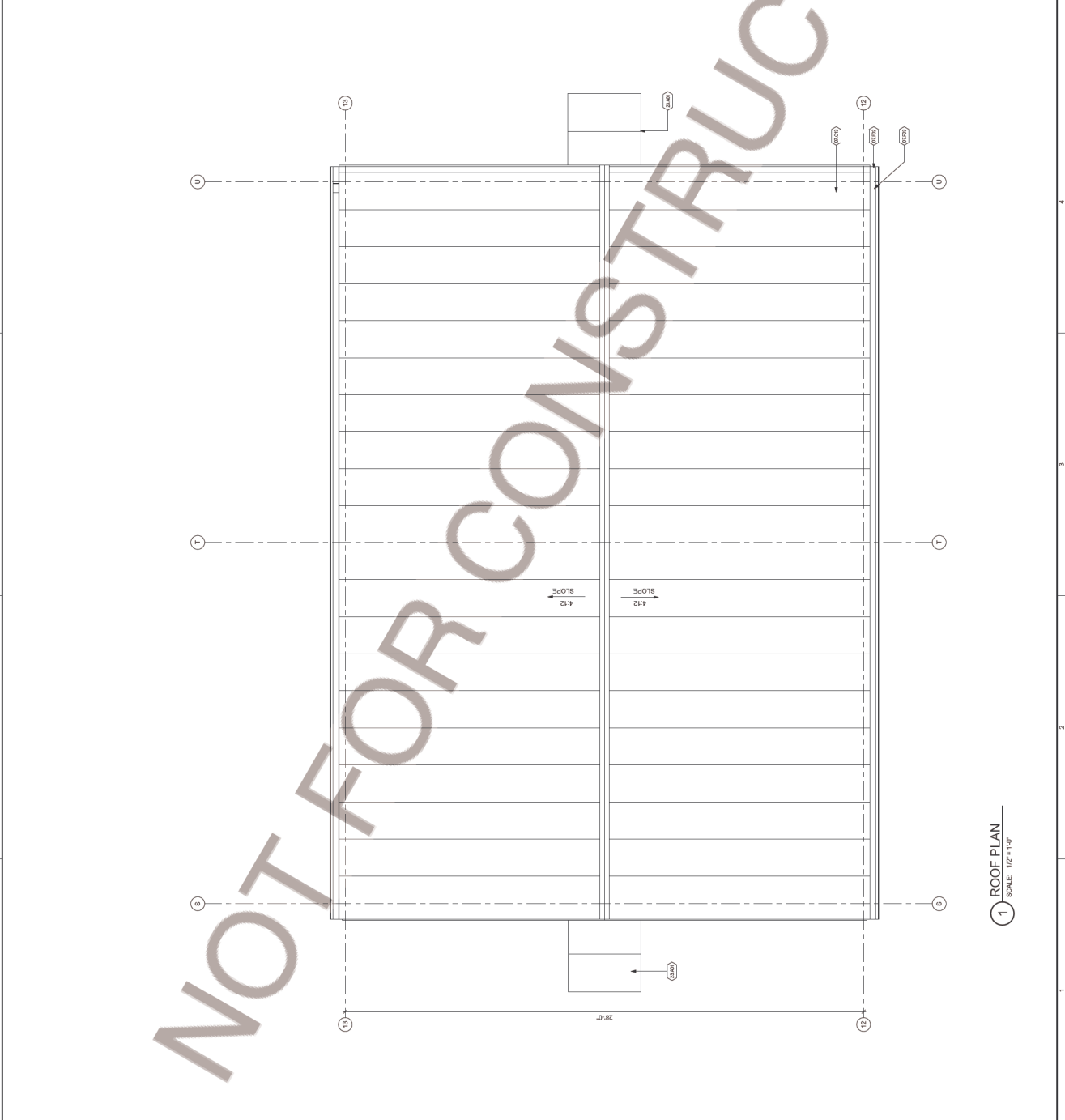
H. ALL BOLLARDS TO BE PAINTED SAFETY YELLOW.
- SHEET KEYNOTES

0' C13 STANDING SEAM METAL ROOF BUILDING PACKAGE

0' F02 PREFINISHED SEAM METAL BUILDING PACKAGE

0' F03 PREFINISHED SEAM METAL BUILDING PACKAGE DOWNPOUT

2' A01 MECHANICAL EQUIPMENT



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



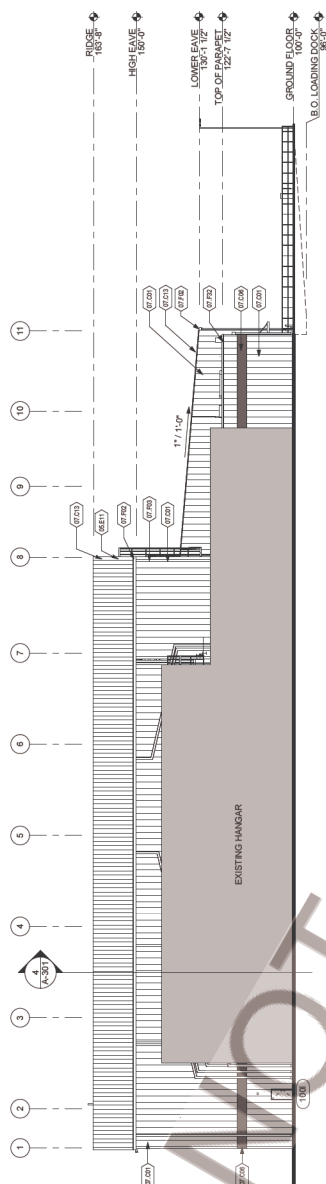


## GENERAL NOTES

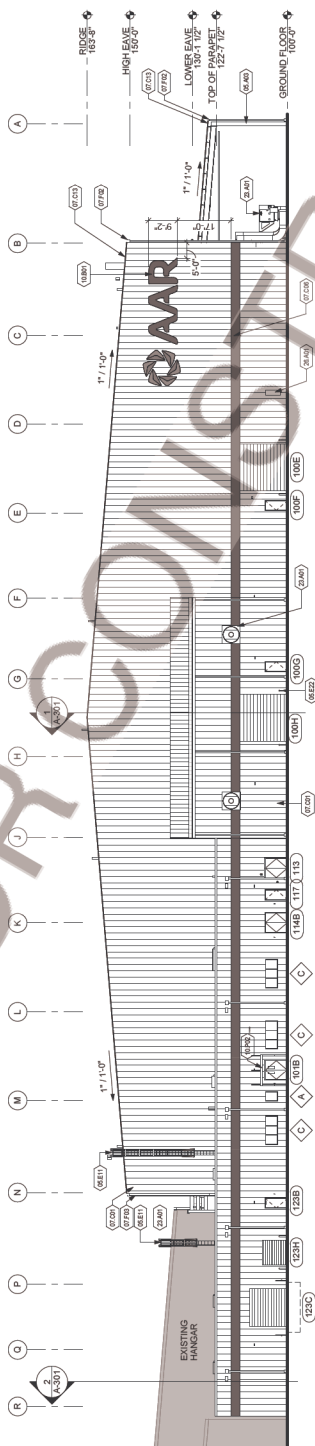
- A ALL CEILING HEIGHTS TO BE 10'-0" AFF, UNLESS OTHERWISE NOTED.
- B FINISH PLAN OR ELEVATION CORNER DIMENSIONS ARE CALCULATED FROM THE OUTSIDE FACE OF THE PREFINISHED METAL WALL PANEL.
- C FINISH PLAN OR ELEVATION CORNER DIMENSION SHALL BE MEASURED TO INSIDE FACE OF STUD
- D UNCOATED STRUCTURE MUST CONFORM TO A SUSPENDED CEILING WIRE SHALL BE MATERIAL SHALL BE PAINTED, UNLESS OTHERWISE SPECIFIED.
- E MECHANICAL EQUIPMENT TO MAINTAIN CEILING CLEARANCES.
- F EDGES OF ACoustICAL CEILING GRID SHALL RECEIVE FINISHING TRIM AS OF FINISH WALL, UNLESS OTHERWISE NOTED.
- G FIRST THREE ROWS OF ACoustICAL CEILING SHALL RECEIVE HOLD DOWN CLIPS, ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
- H CONTRACTOR SHALL COORDINATE SPRINKLER CONNECTIONS WITH OTHER BUILDING SYSTEMS SHALL BE RECHITECT WITH A PROPOSED SOLUTION.
- I LIGHT FIXTURES SLOW HALL WHITE AND HALF EMERGENCY BACKUP POWER. WHITE AND ON EMERGENCY BACKUP POWER.
- J UNLESS NOTED TO BE OTHERWISE WITHIN ROOM REFER TO ENLARGED PLANS FOR EQUIPMENT LOCATION AND MOUNTING PLANS FOR ROOMS 128 AND 129.
- K REFER TO ENLARGED PLANS FOR FURNITURE LOCATION AND MOUNTING PLANS FOR ROOMS 128 AND 129.

## SHEET KEYNOTES

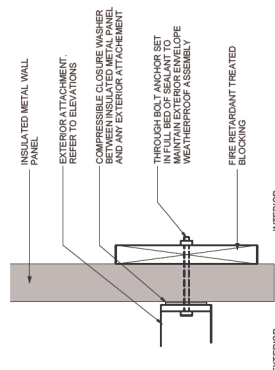
- |      |                              |
|------|------------------------------|
| 5A03 | STEEL COLUMN                 |
| 5A04 | REFER TO STRUCTURAL DRAWINGS |
| 5E11 | METAL ROOF ACCESS LADDER     |
| 5E12 | METAL ROOF ACCESS LADDER     |
| 5E13 | PRE-PAINTED GALVANIZED BLOCK |
| 5E14 | PRE-RELATED METAL FLOORING   |
| 5E15 | INSULATED METAL WALL PANEL   |
| 5E16 | INSULATED METAL WALL PANEL   |
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1 SOUTH ELEVATION



EAST ELEVATION

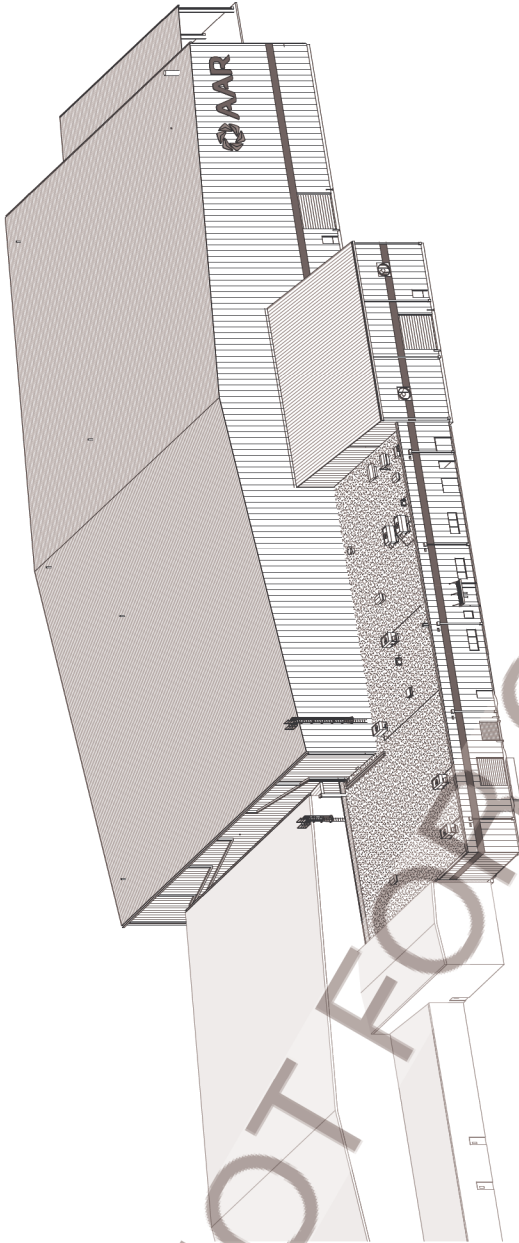


## Blocking Detail

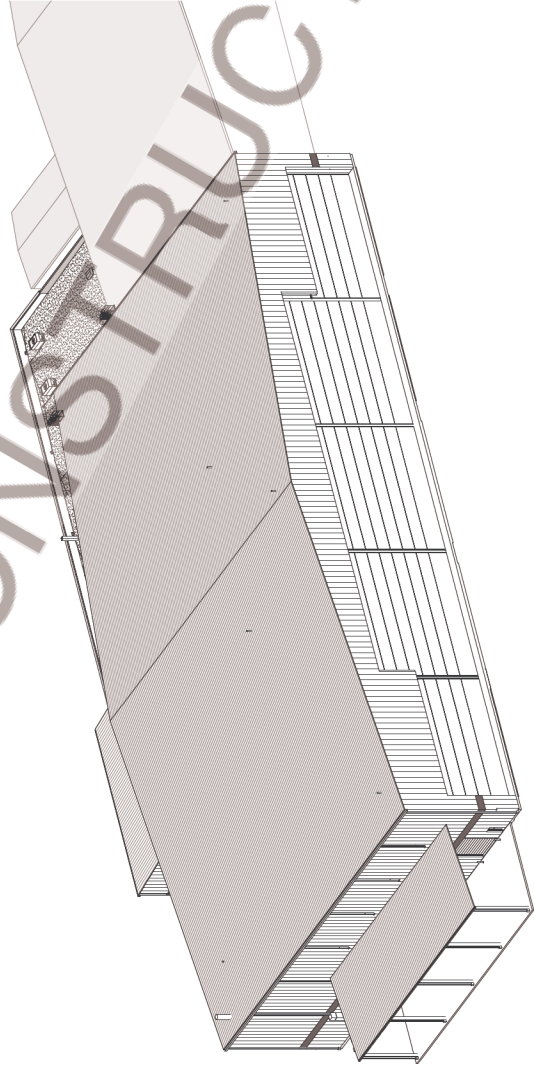






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1 EXTERIOR PERSPECTIVE  
SCALE: NTS



2 EXTERIOR PERSPECTIVE











- A. ALL CEILING NOTED ARE TO BE 10'0" AT LEAST UNLESS OTHERWISE NOTED.
- B. ALL CEILING SHALL BE PLAN OVERALL AND CORNER DIMENSIONS ARE CALCULATED FROM THE OUTSIDE DIMENSIONS AND ALL DIMENSIONS ARE TO FACE OF STUD.
- C. ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD.
- D. UNO
- E. PROPOSED STRUCTURE DUCT, CONDUIT, PIPING OR OTHER EXPLOVED UNFINISHED MATERIAL SHALL BE PAINTED, UNLESS OTHERWISE NOTED.
- F. ALL MECHANICAL EQUIPMENT TO MAINTAIN SERVICE
- G. CLEARANCES EDGES OF ACoustICAL CEILING GRID SHALL RECEIVE FINISHING TRIM
- H. FINISH WALL UNLESS OTHERWISE NOTED
- I. FIRST THREE ROWS OF ACoustICAL CEILING FROM TOP OF WALL SHALL RECEIVE TRIM DOWN TO TOP OF WALL
- J. SHALL RECEIVE TRIM DOWN TO TOP OF WALL
- K. CENTERLINE UNLESS OTHERWISE NOTED
- L. CONTRACTOR SHALL COORDINATE SPRINKLER SYSTEM WITH ALL OTHER BUILDING SYSTEMS SHALL CONFLICTS WITH OTHER BUILDING SYSTEMS SHALL BE RESOLVED BY THE PROPOSED SOLUTION ARCHITECT WITH A BUILDING SOLUTION
- M. LIGHT FIXTURES SHOW HALF WHITE AND HALF BLACK
- N. EMERGENCY BACKUP POWER
- O. UNLESS NOTED OTHERWISE
- P. REFER TO BULBARED PLANS FOR EQUIPMENT, MATERIALS AND MORE INFORMATION FOR PARAGRAPHS 128 AND 129
- Q. RESIST TO MINIMUM 100 PSI FOR FLOORING
- R. RESIST TO MINIMUM 100 PSI FOR FLOORING

1 BUILDING SECTION SOUTH  
SCALE: 1/16" = 1'-0"

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

2 BUILDING SECTION NORTH  
SCALE: 1/16" = 1'-0"

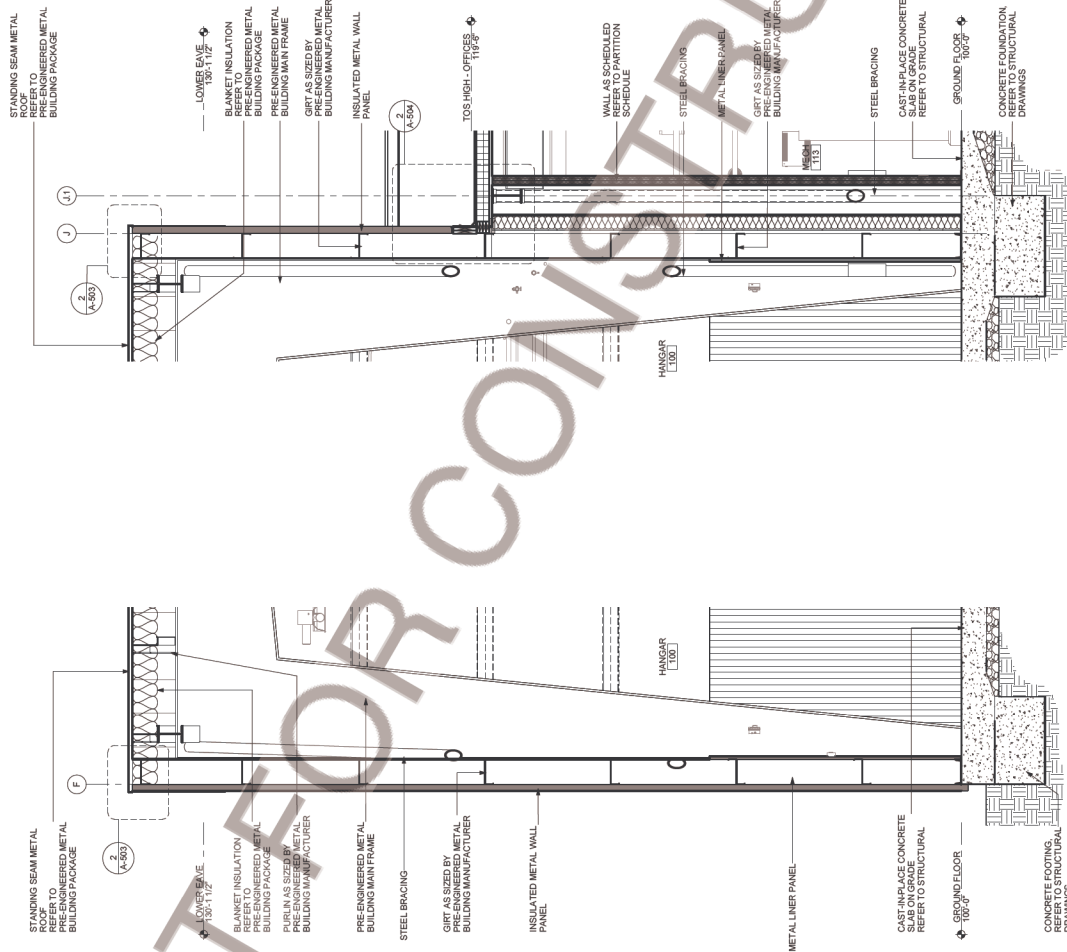
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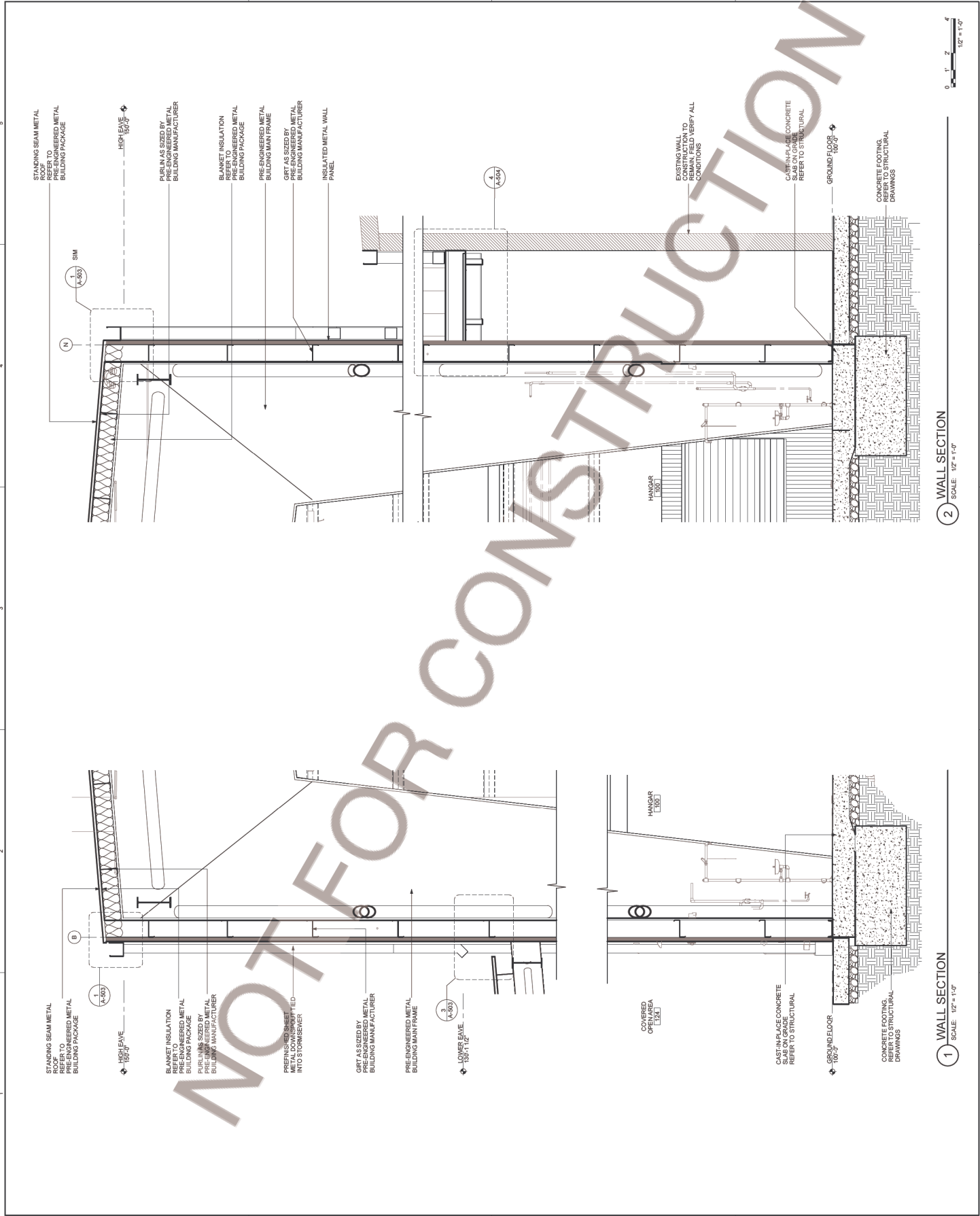




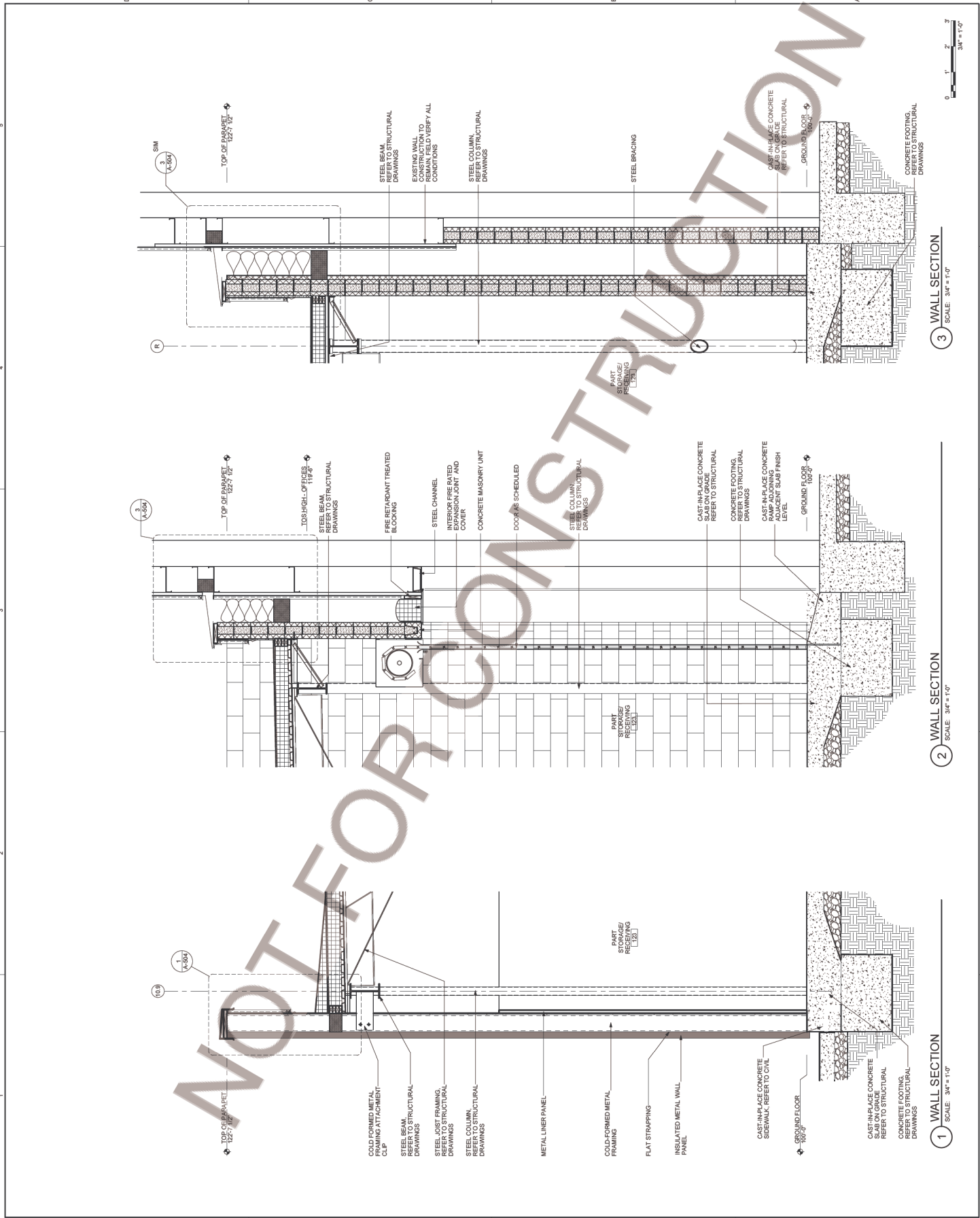
1 WALL SECTION  
SCALE: 1/2" = 1'-0"

2 WALL SECTION  
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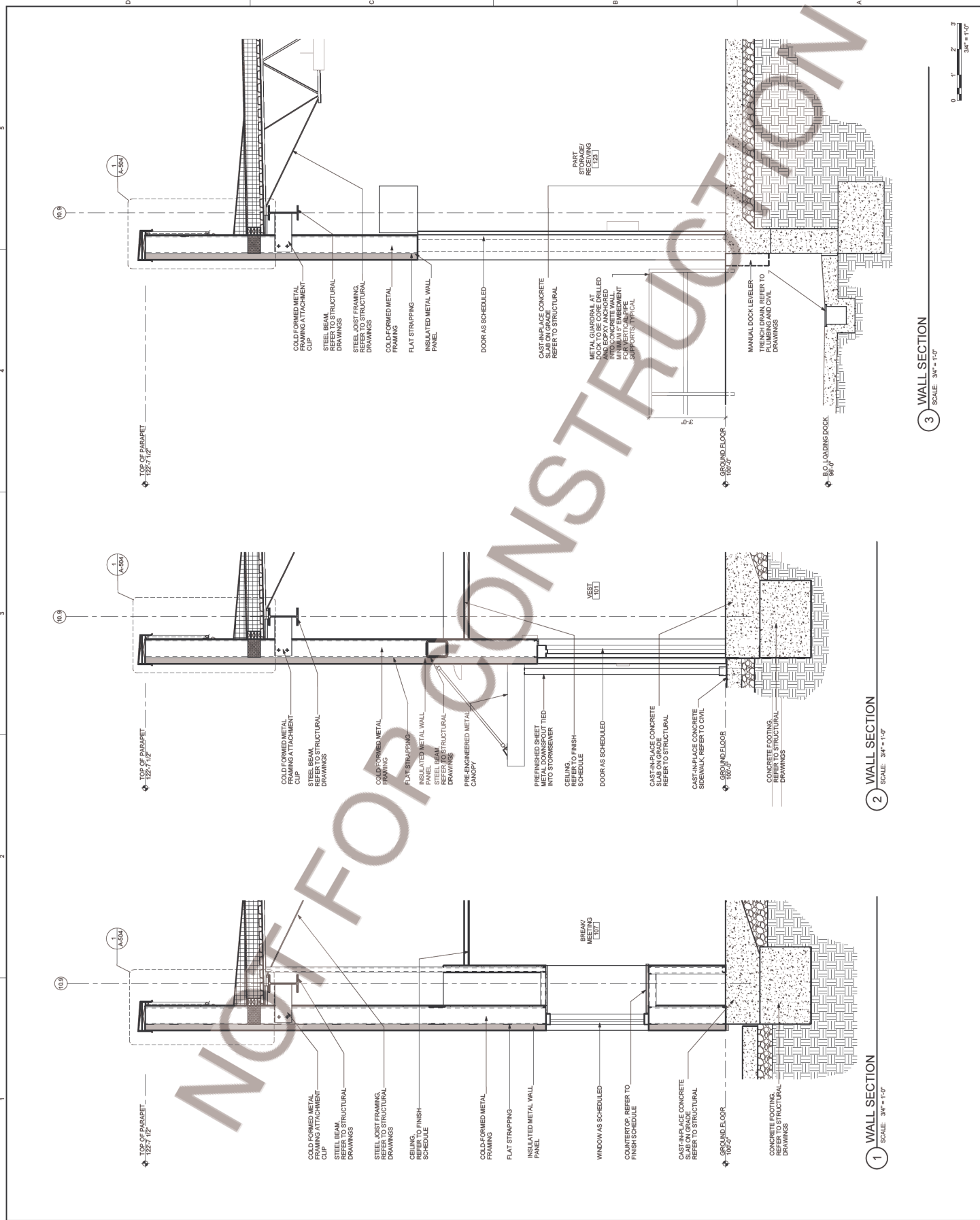












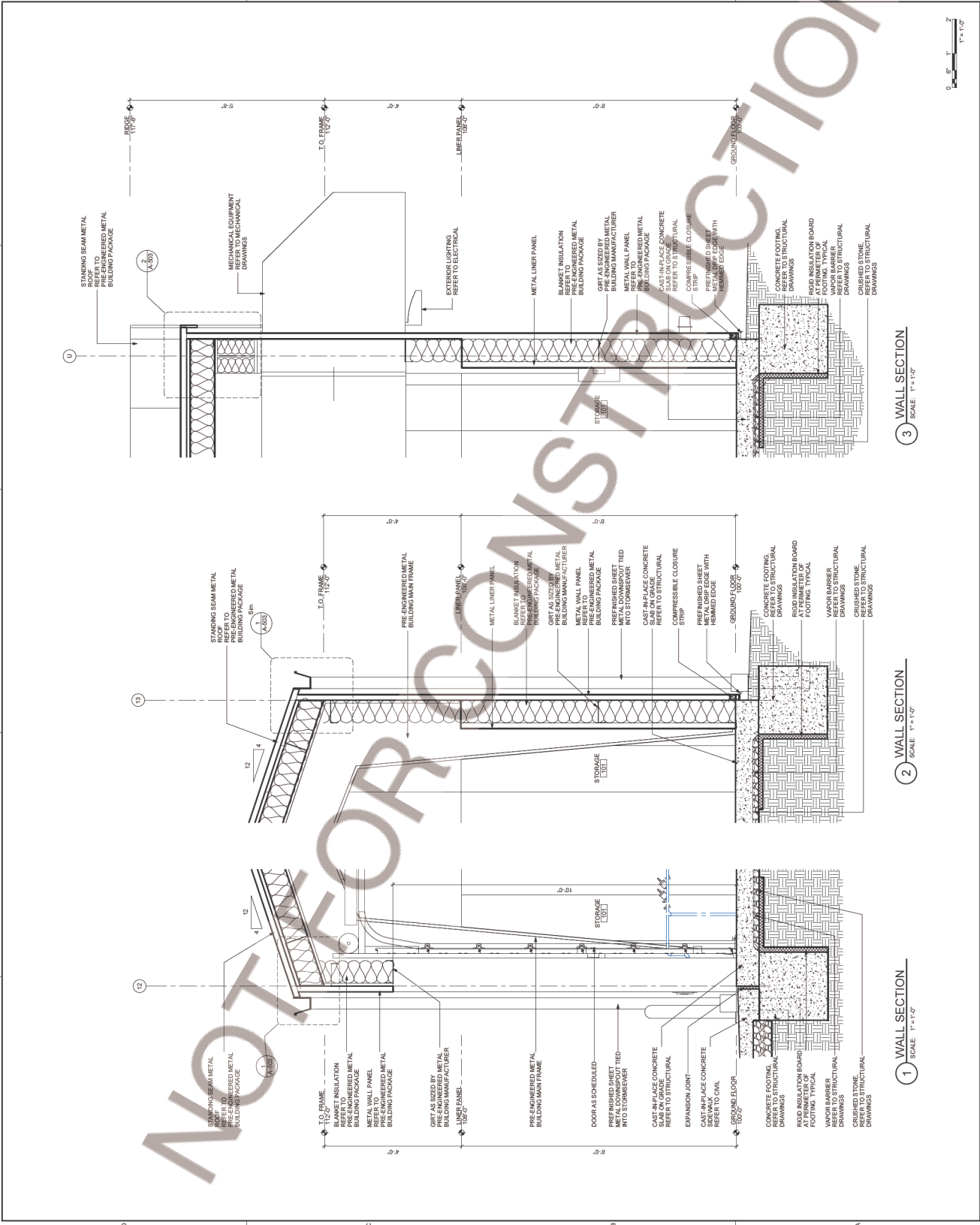






NO.	DESCRIPTION	DATE
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3 WALL SECTION  
SCALE 1/4" = 1'-0"

2 WALL SECTION  
SCALE 1/4" = 1'-0"

1 WALL SECTION  
SCALE 1/4" = 1'-0"

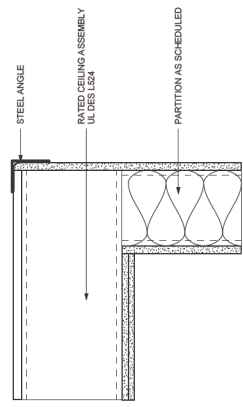
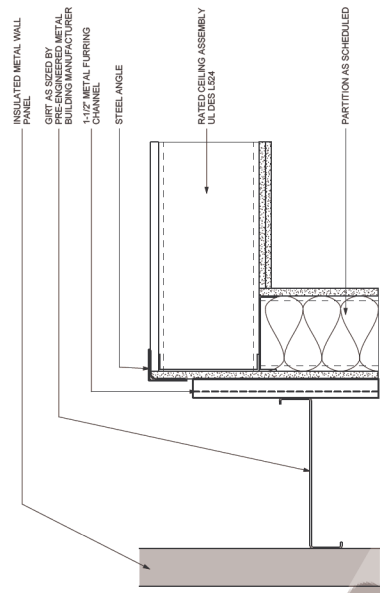






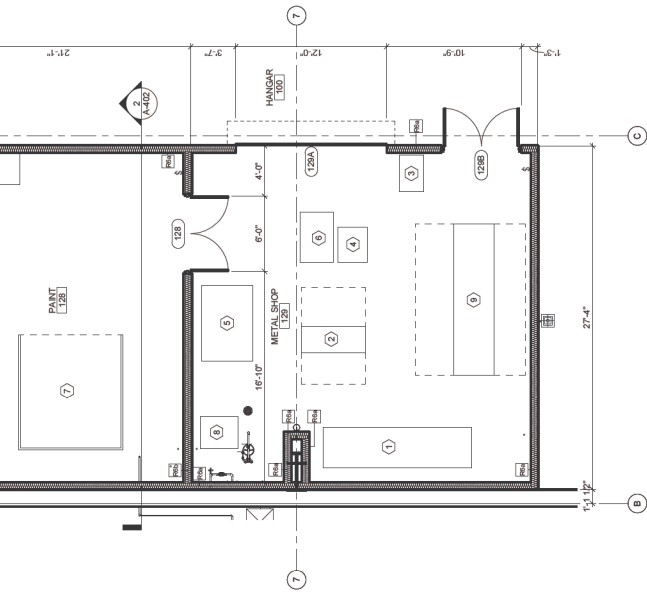
**SHEET METAL ROOM EQUIPMENT**

KEYNOTE	EQUIPMENT	QUANTITY	SIZE	MANUFACTURER	MODEL	POWER	PHASE	NOTES
1	HYDRAULIC PLATE ROLLING MACHINE	1	8 IN	GMC	HR-2688	286/220v	3	OFO
2	HEAVY-DUTY SQUARING SHEAR	1	52 IN	TENNISMIITH	TR-52H-3	220v	3	OFO
3	HEAVY-DUTY FLOOR DRILL PRESS	1	15 IN	GRIZELY	G7F94	220v	1	OFO
4	HEAVY-DUTY PORTABLE BAND SAW	1	48 IN	GRIZELY	G5F10	220v	1	OFO
5	ROUND PAN DRAIN BRAKE	1	18 IN	TENNISMIITH	22-18-12	MANUAL	3	OFO
6	INDUSTRIAL BANDSAW	1	24 IN	GRIZELY	G2440v	220/440v	3	OFO
7	PANIT SPRAY BOOTH	1	8 FT	GRIZELY	GFPC-400782	220/460v	3	BT GC
8	METAL SPRINGERS STRETCHER	1	IN (THRU)	BALEIGH	MS5-108	MANUAL	6	OFO
9	HEAVY-DUTY SQUARING SHEAR	1	52 IN	BALEIGH	MS-1007083	MANUAL	6	OFO
10	PANIT CABINET	1	6 FT	BALEIGH	MS-1007083	MANUAL	6	OFO

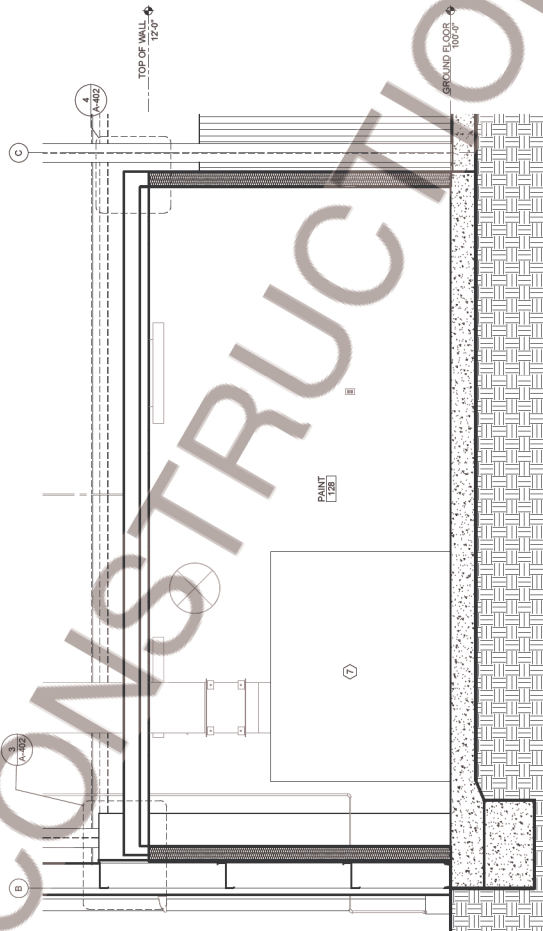


3 WALL DETAIL  
SCALE: 3" = 1'-0"

4 WALL DETAIL  
SCALE: 3" = 1'-0"



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



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

UNLESS NOTED	DATE	DESCRIPTION	DESIGNED BY	MBP
			DRAWN BY	CGA
			REVIEWED BY	JRJ
			PROJECT MANAGER	JJE
			PROJECT NUMBER	F382023-082-00
			SHEET TITLE	ENLARGED FLOOR PLANS
			ISSUE DATE	11/7/2023
			SHEET NUMBER	A-402

**AAR Corporation**  
**New Hangar**  
**Will Rogers World Airport**



**PRELIMINARY**

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A-402

















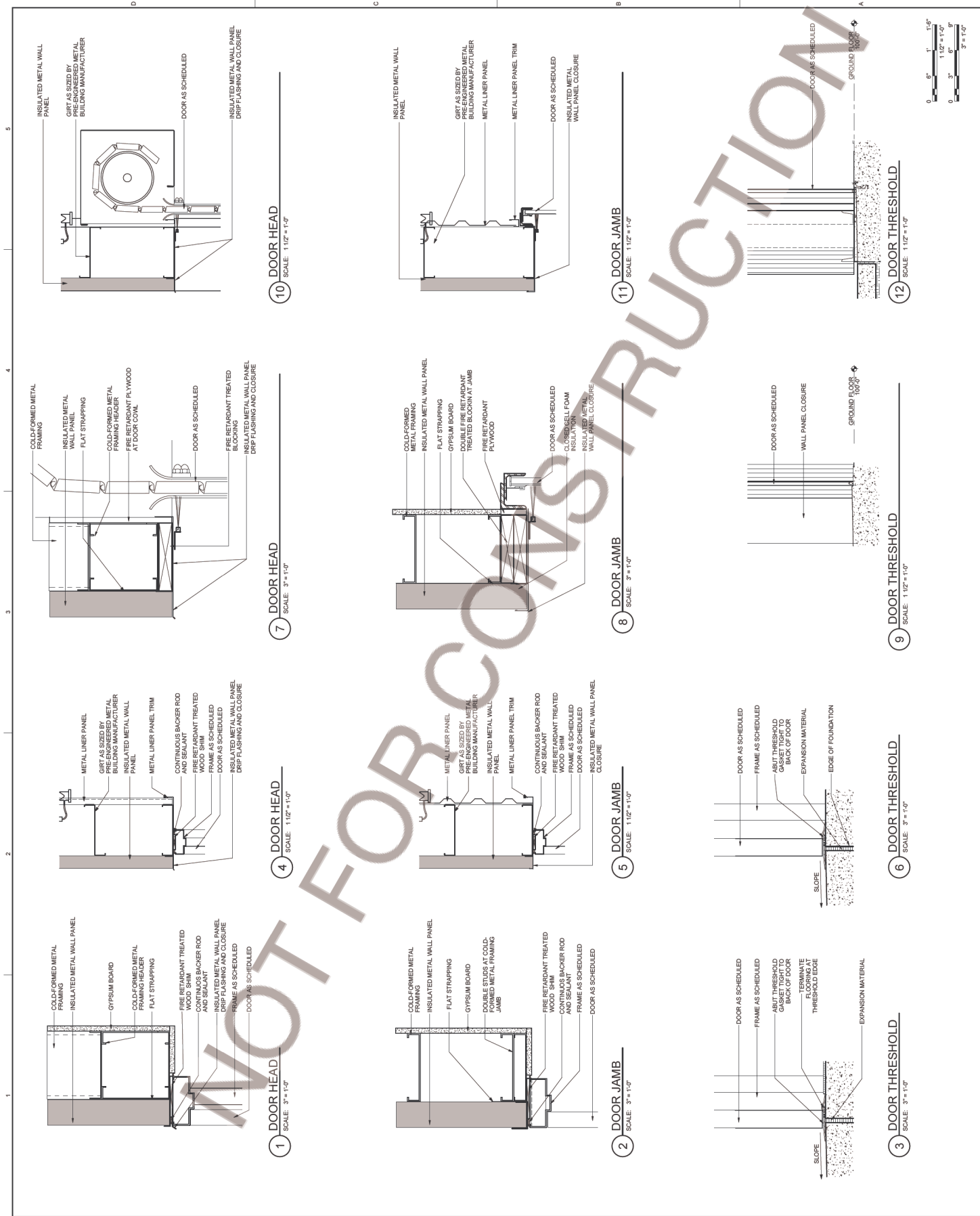












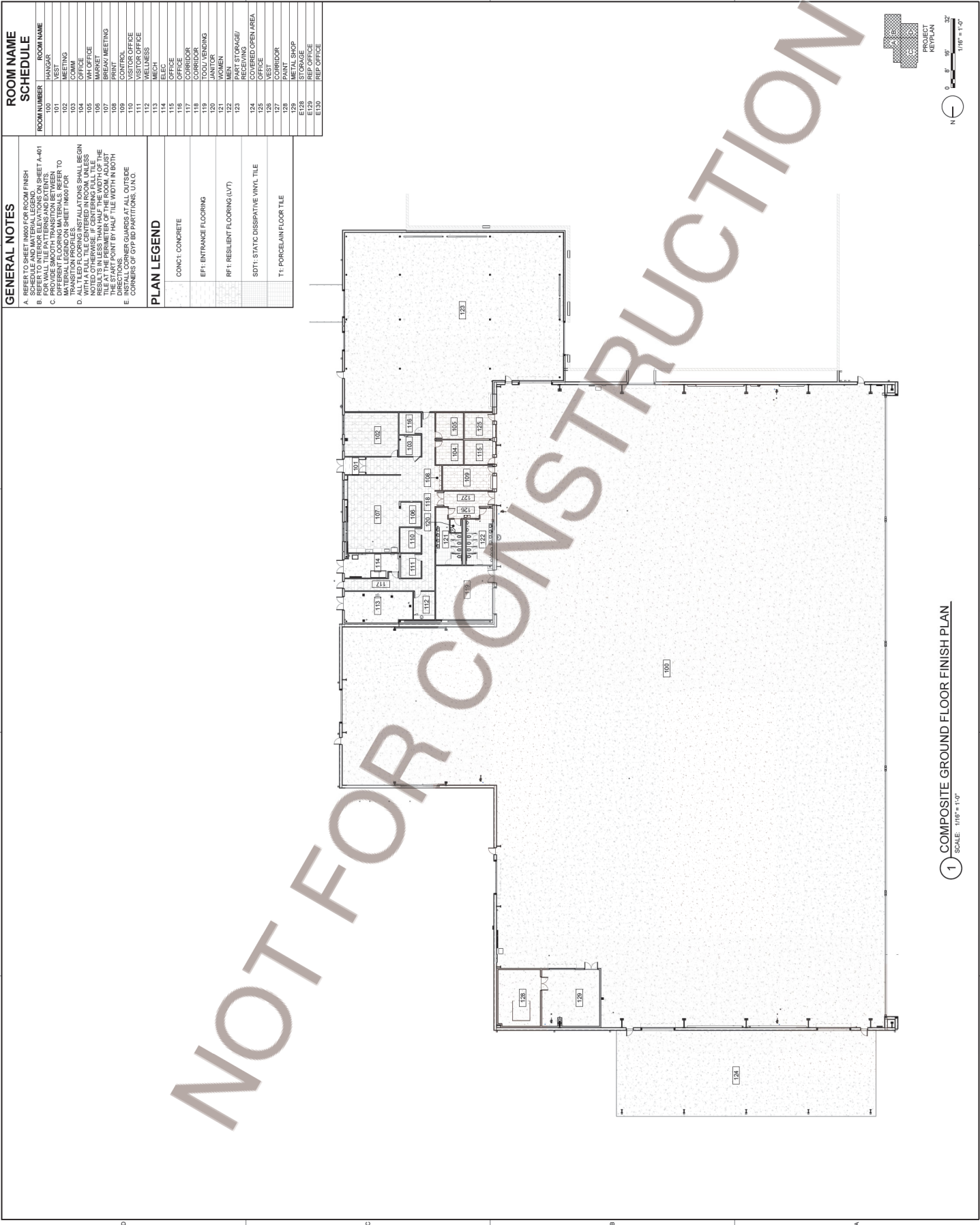












## GENERAL NOTES

- A. REFER TO SHEET IN600 FOR ROOM FINISH SCHEDULE.
- B. REFER TO INTERIOR ELEVATIONS ON SHEET A-401 FOR WALL, PLATE PATTERNS AND EXTENTS.
- C. PROVIDE SMOOTH TRANSITION BETWEEN DIFFERENT FLOORING MATERIALS. REFER TO MATERIAL LEGEND ON SHEET IN600 FOR TRANSITION PROFILES.
- D. ALL FLOORING INSTALLATIONS SHALL BEGIN WITH A FULL WIDTH JOINT AT THE WALLS NOTED OTHERWISE. IF CENTERING FULL TILE RESULTS IN LESS THAN HALF THE WIDTH OF THE TILE AT THE PERIMETER OF THE ROOM, ADJUST THE START POINT BY HALF TILE WIDTH IN BOTH DIRECTIONS.
- E. INSTALL CORNER GUARDS AT ALL OUTSIDE CORNERS OR GYP/BD PARTITIONS, U.N.O.

## PLAN LEGEND

CONC1: CONCRETE	
EF1: ENTRANCE FLOORING	
RF1: RESILIENT FLOORING (LVT)	
SDT1: STATIC DISSIPATIVE VINYL TILE	
T1: PORCELAIN FLOOR TILE	

ROOM NAME  
SCHEDULE

ROOM NUMBER	ROOM NAME
100	HANGAR
101	WEST
102	MEETING
103	RESTROOM
104	OFFICE
105	WH OFFICE
106	WH OFFICE
107	BREAK/MEETING
108	PRINT
109	CONTROL
110	RESTROOM
111	VISITOR OFFICE
112	WELLNESS
113	RECEPTION
114	RECEPTION
115	OFFICE
116	OFFICE
117	RESTROOM
118	CORRIDOR
119	TOTAL/VIEWING
120	JANITOR
121	RESTROOM
122	MEETING
123	PART STORAGE
124	COVERED OPEN AREA
125	OFFICE
126	RESTROOM
127	RESTROOM
128	PAINT
129	MEATL SHOP
130	RESTROOM
131	REF OFFICE
E1/20	REF OFFICE

E130	REP OFFICE
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**AAR Corporation**  
**New Hangar**  
*Will Rogers World Airport, Oklahoma City, OK*



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PROJECT INFORMATION		PROJECT DESCRIPTION		DATE
DRAWN BY: MRP		DESIGNED BY: SNG		
REVIEWED BY: JJS		PROJECT MANAGER: JE		
PROJECT NUMBER: F835222-065-00				
COMPOSITE GROUND FLOOR FINISH PLAN				
SHEET NO. 1177503		SHEET TOTAL		
IN101				

1 COMPOSITE GROUND FLOOR FINISH PLAN  
SCALE: 1/16" = 1'-0"

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









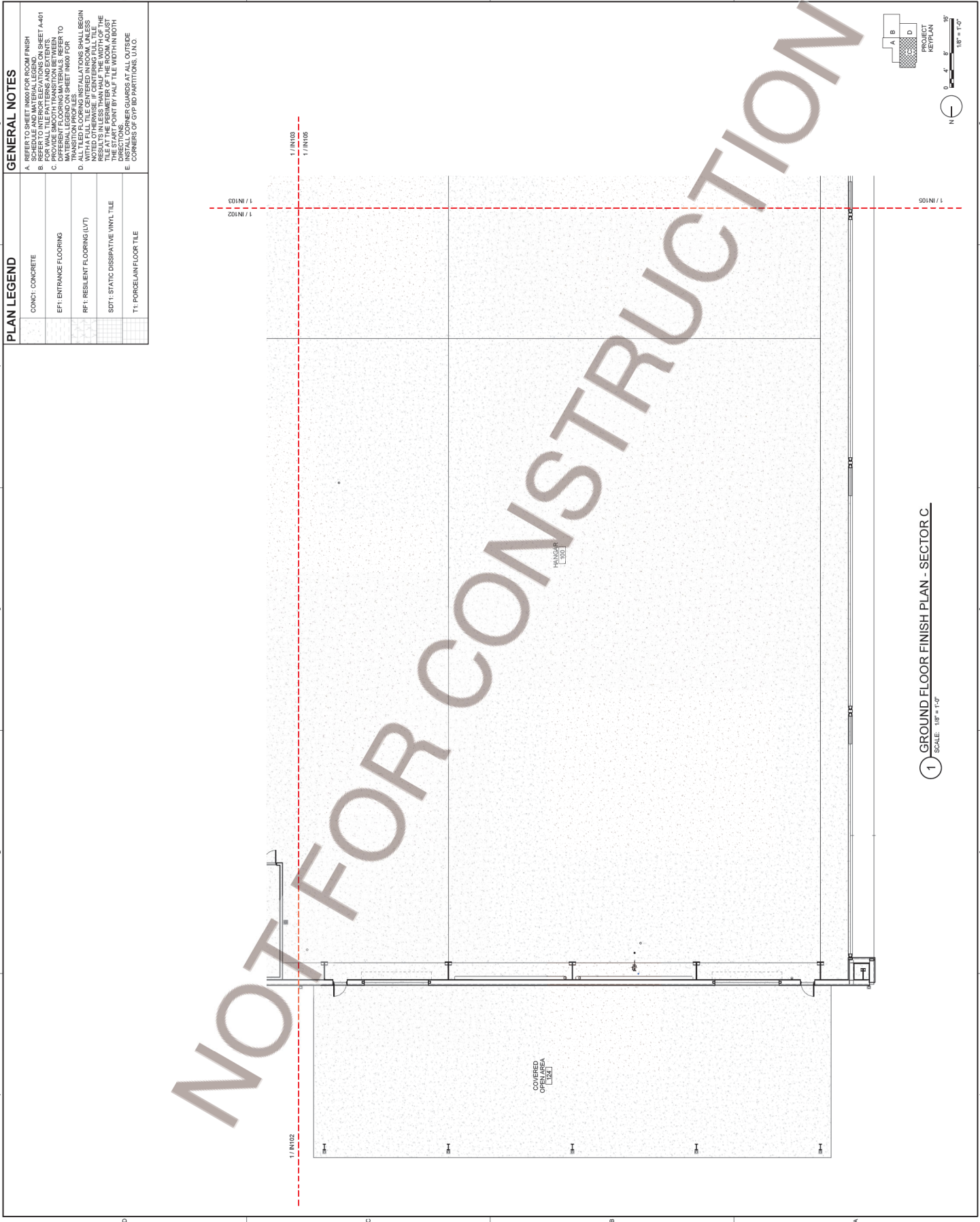


PLAN LEGEND

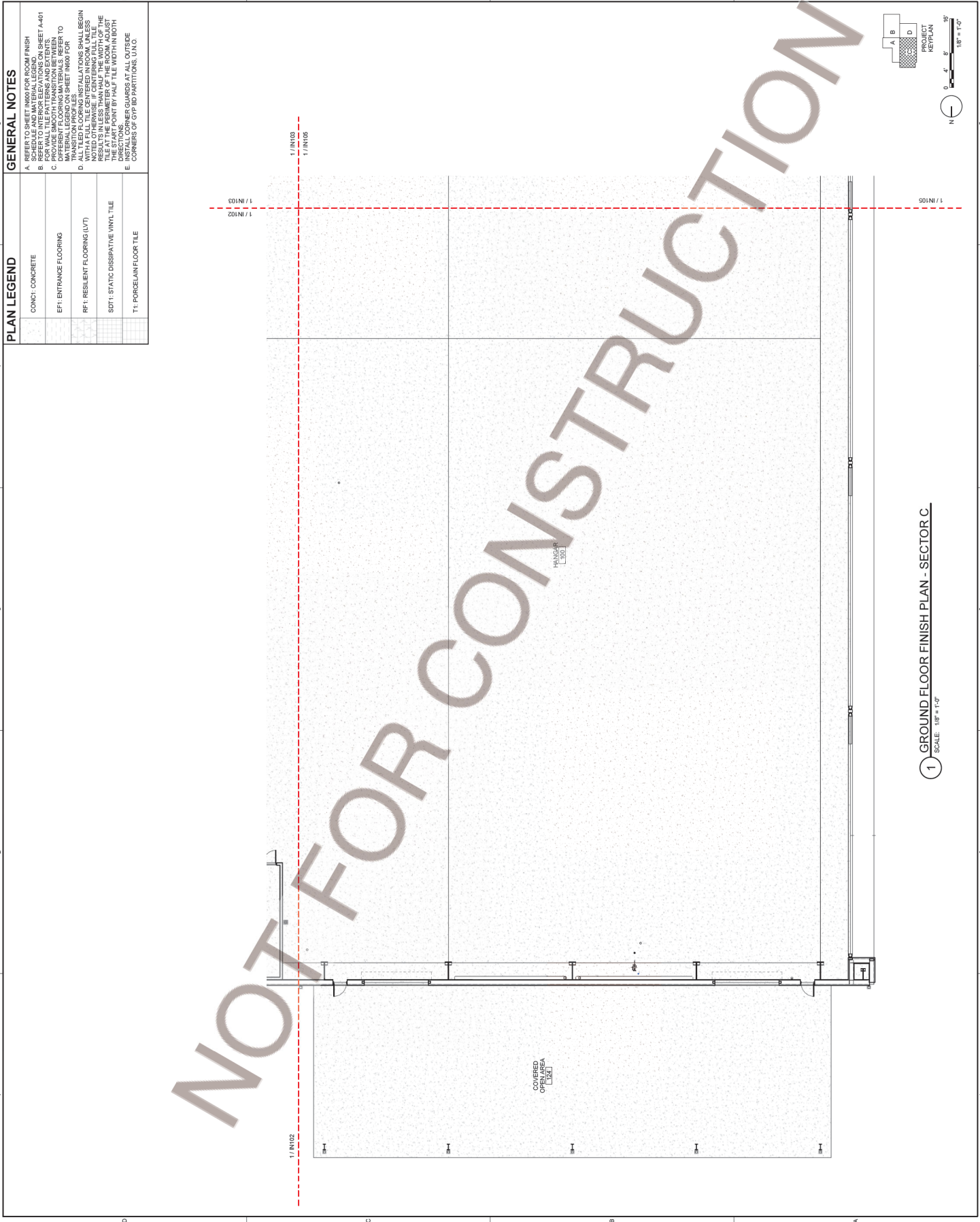
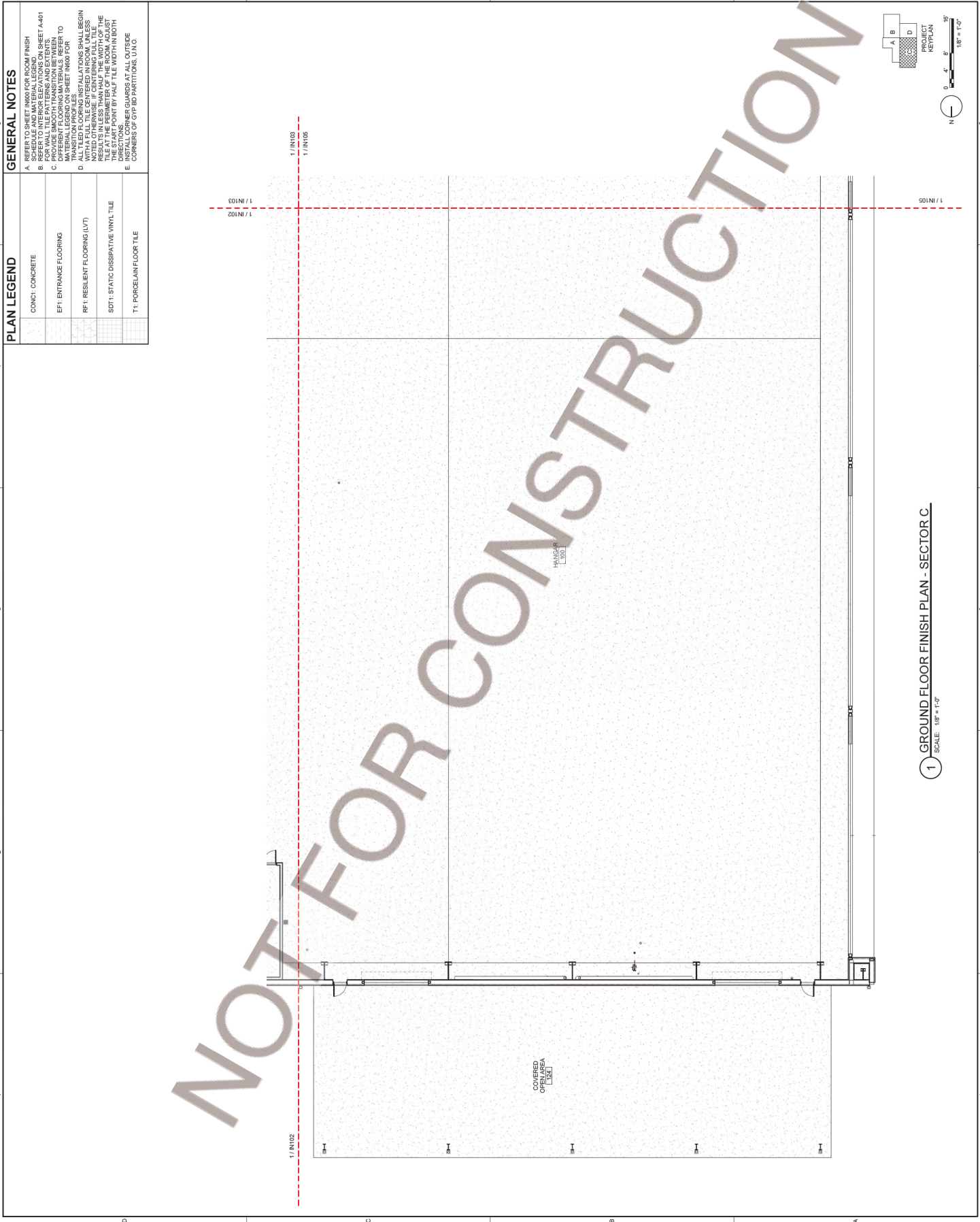
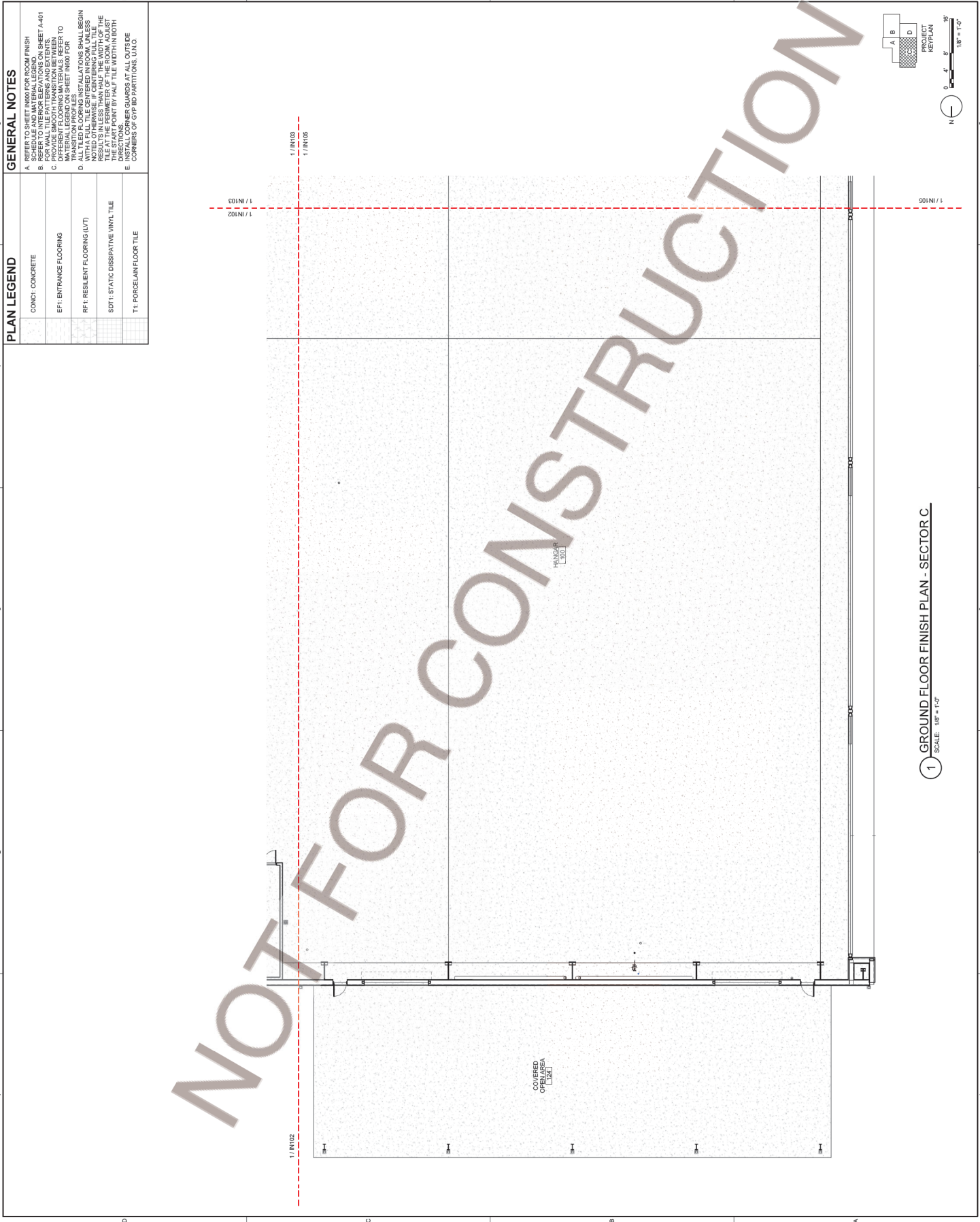
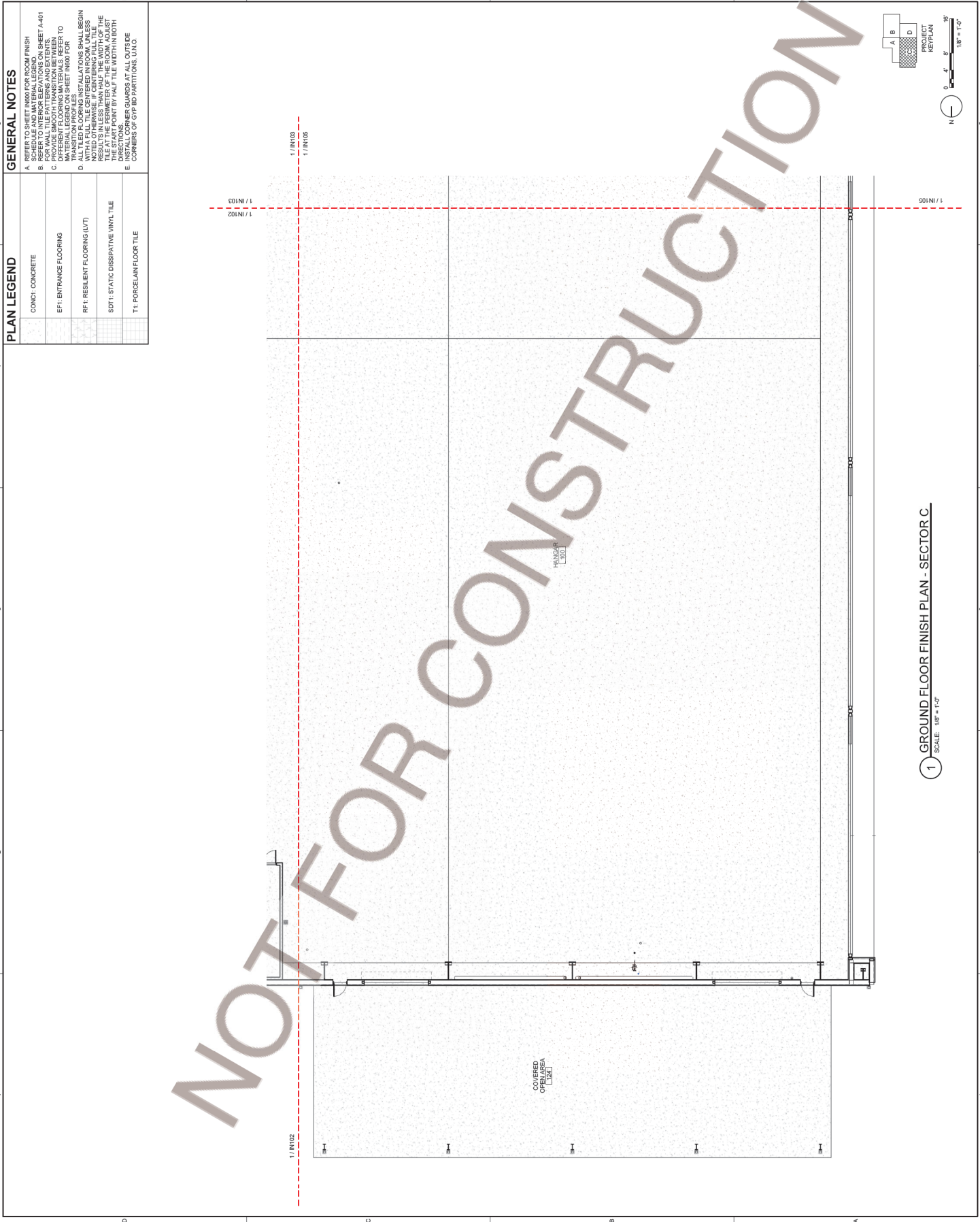
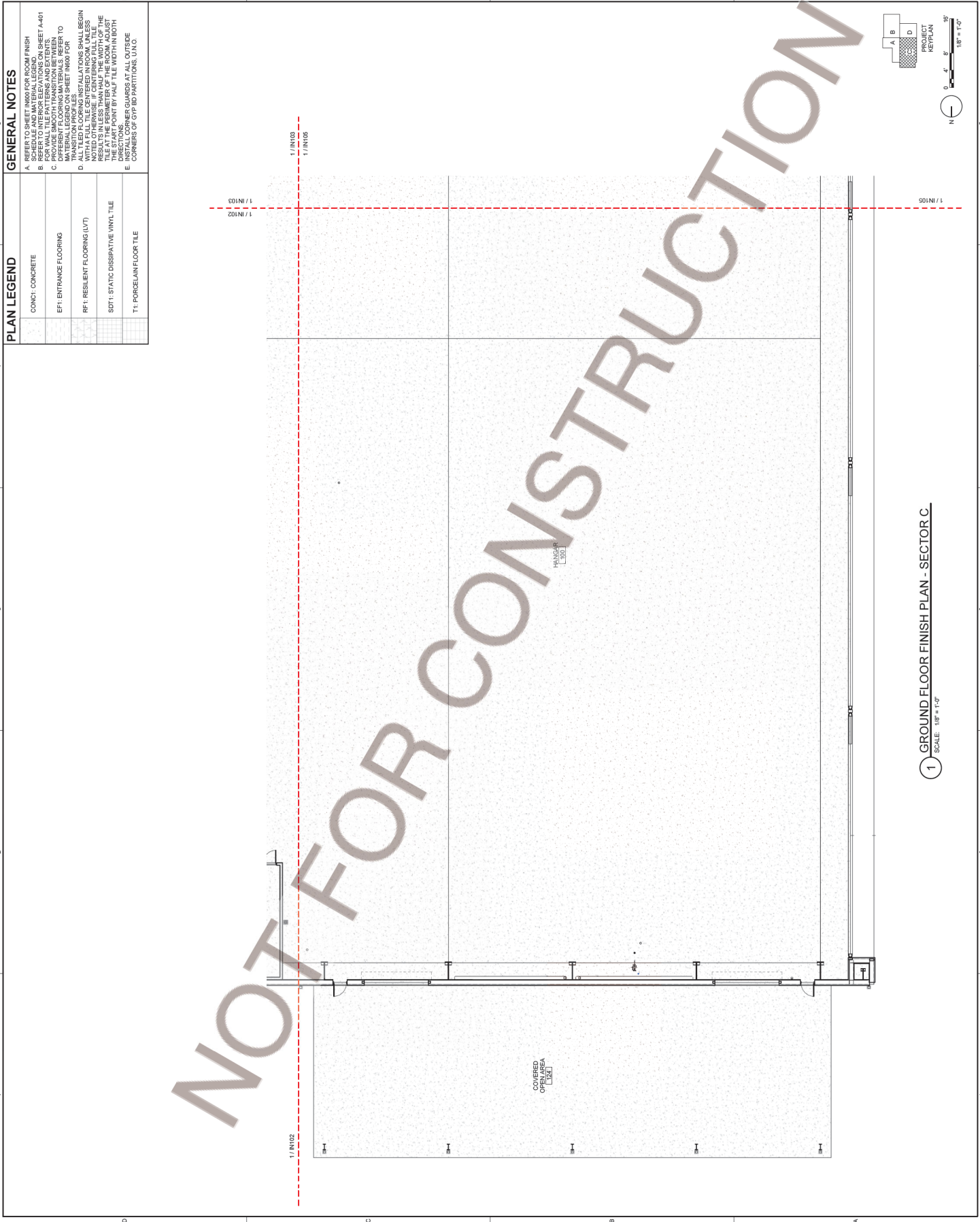
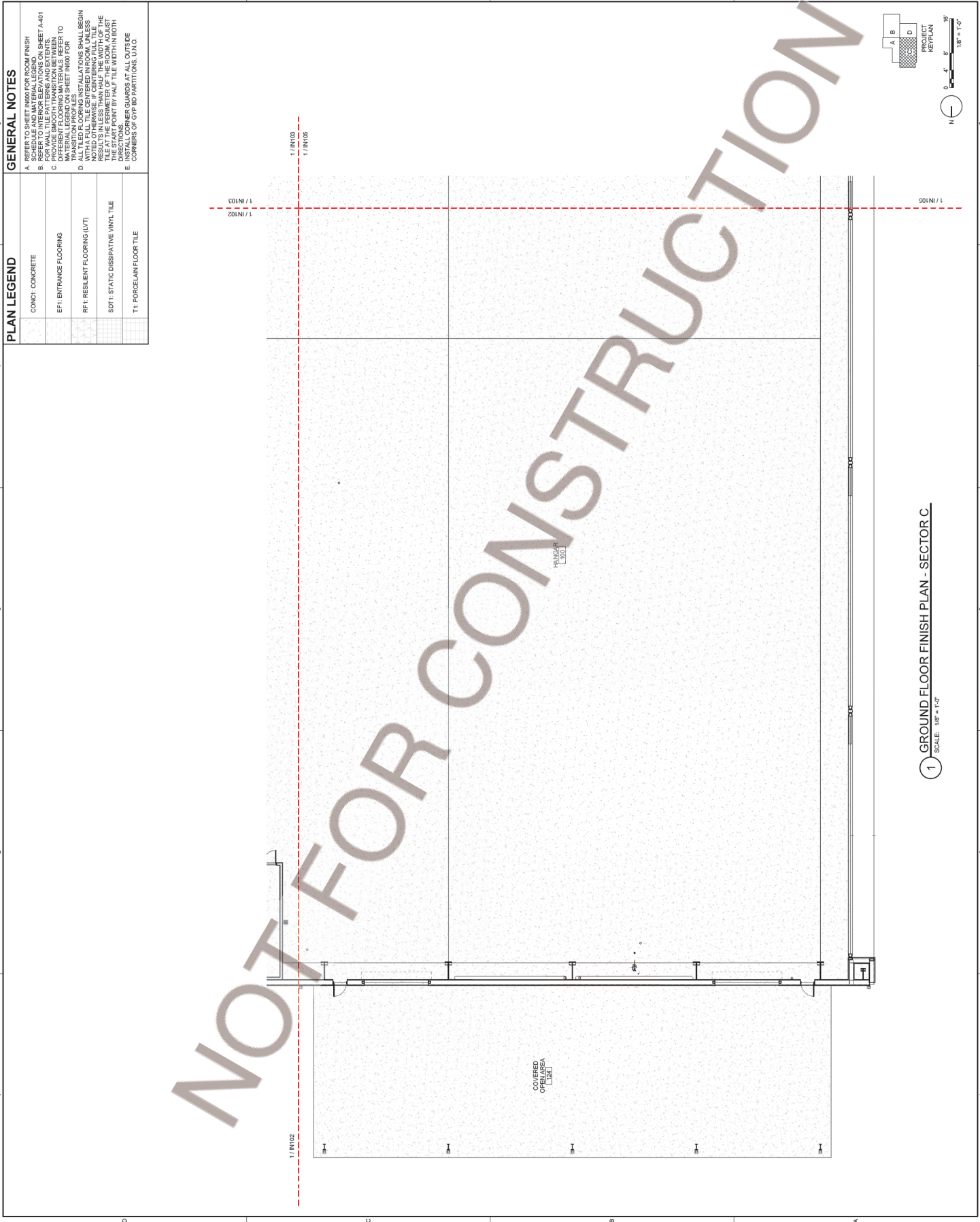
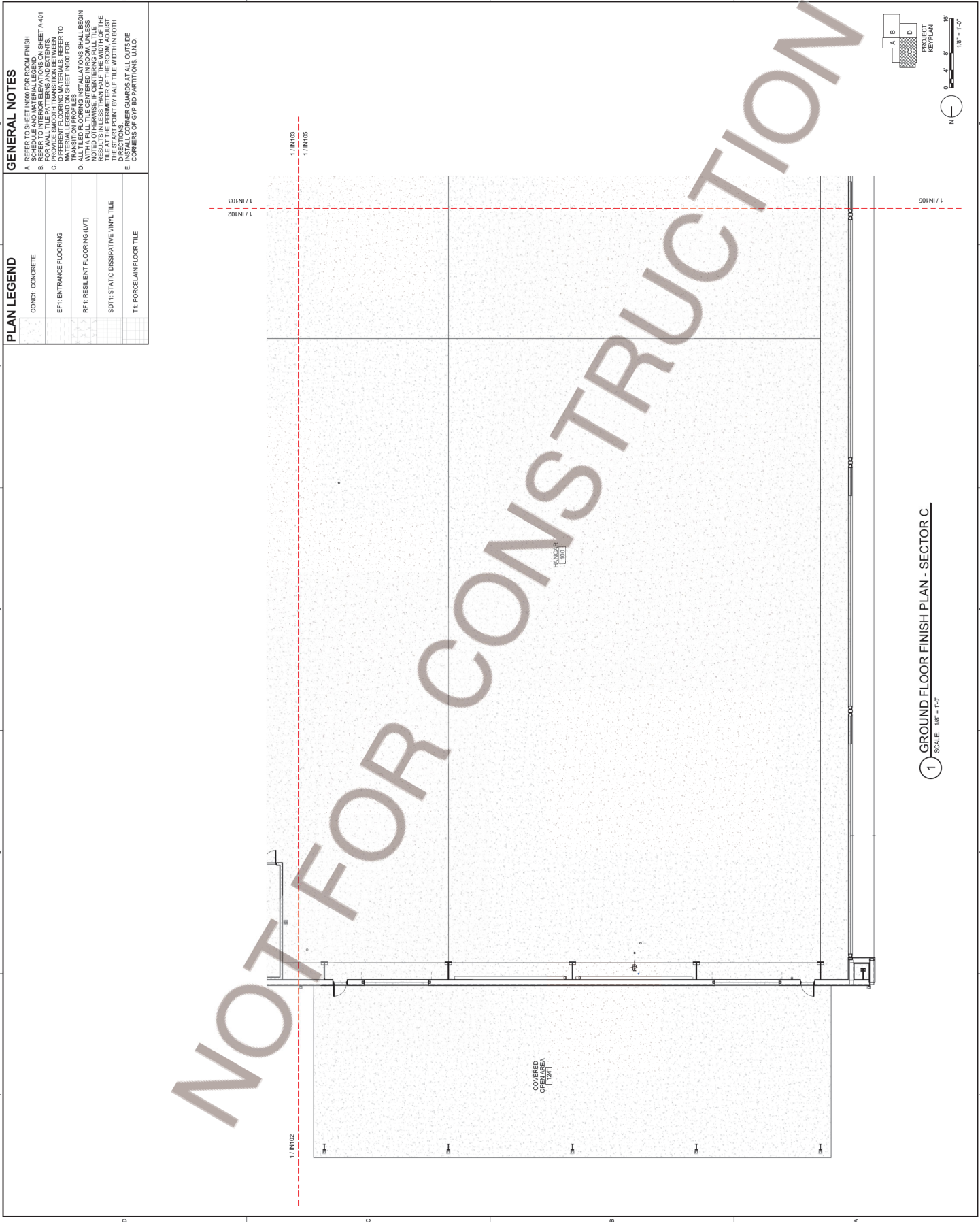
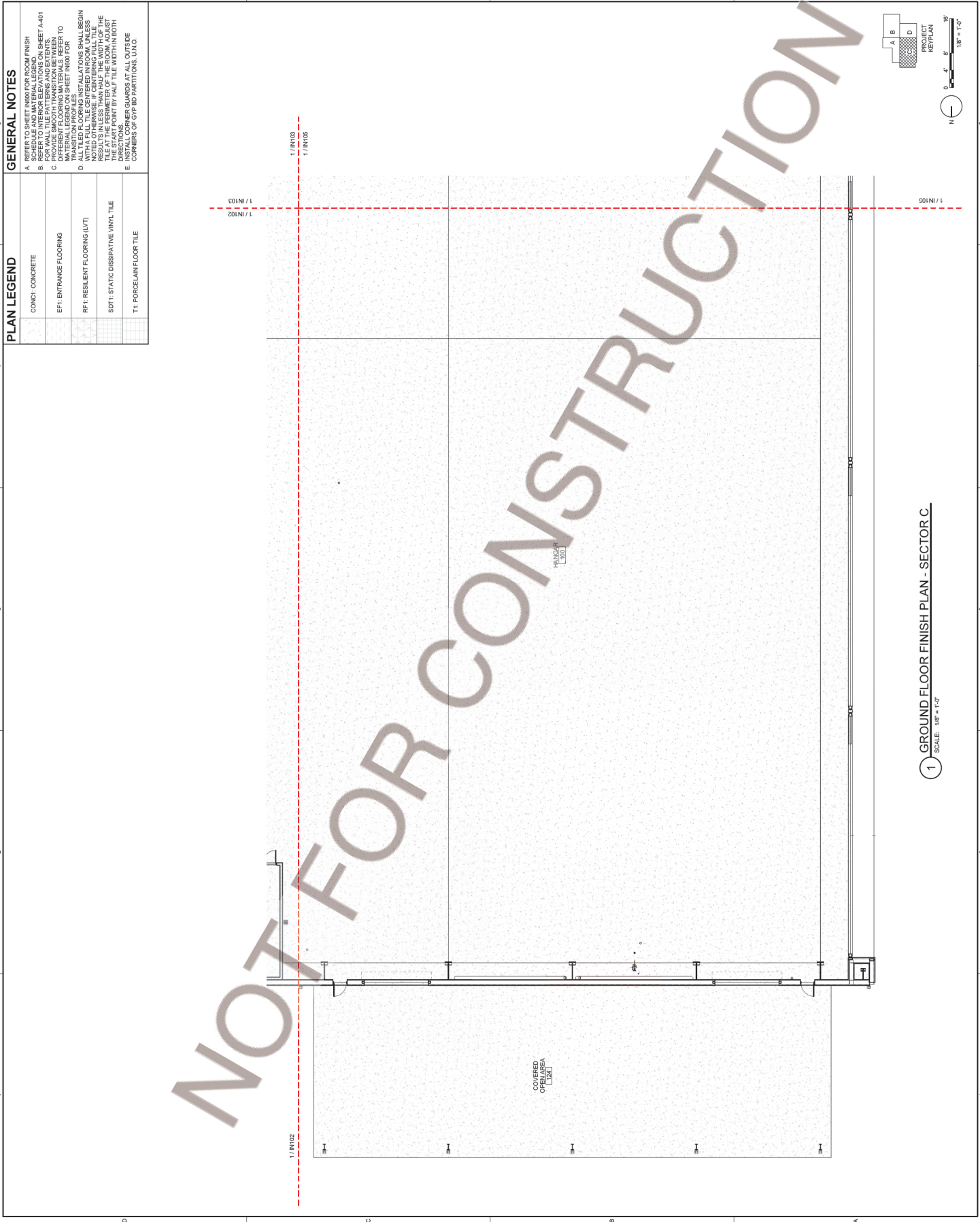
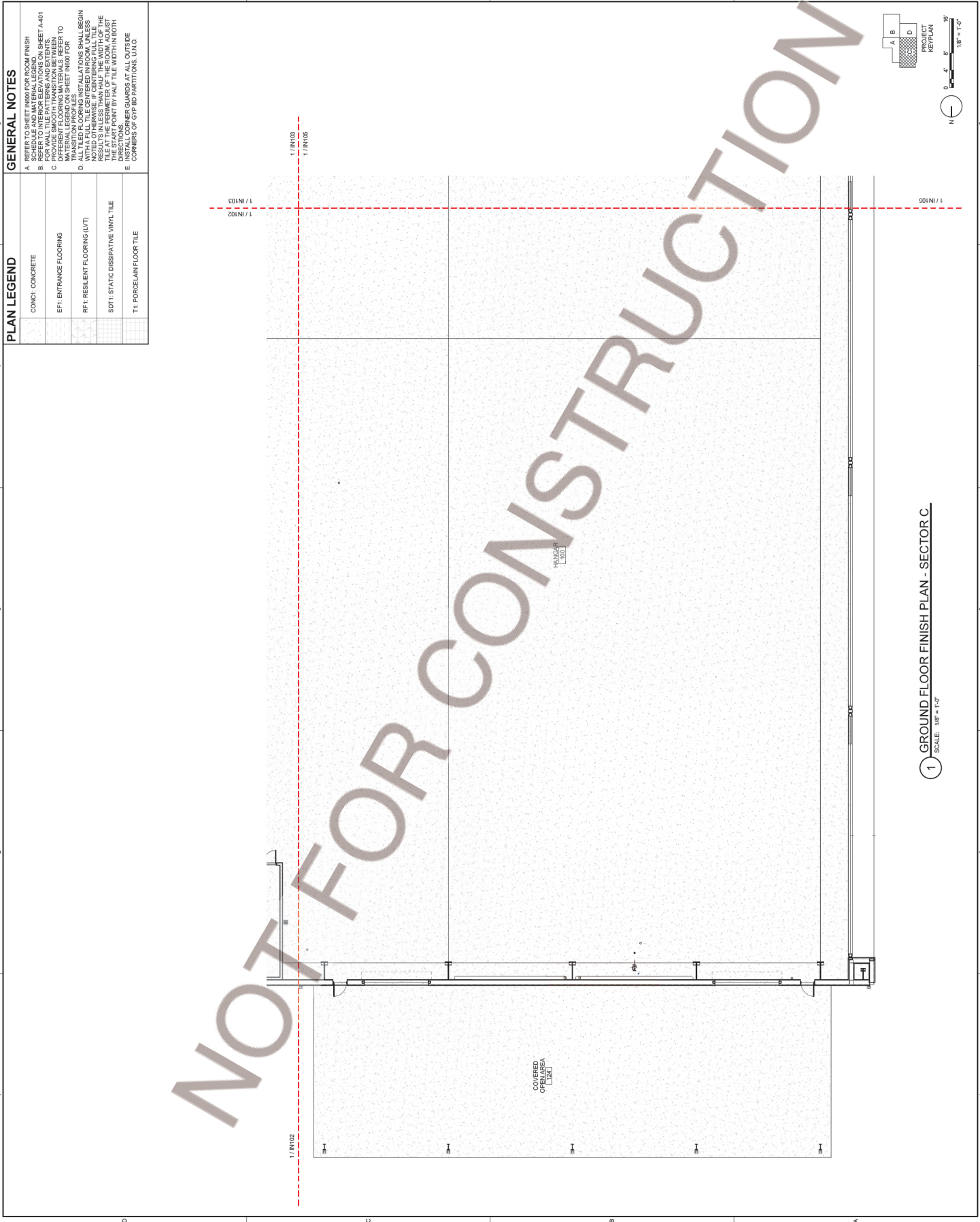
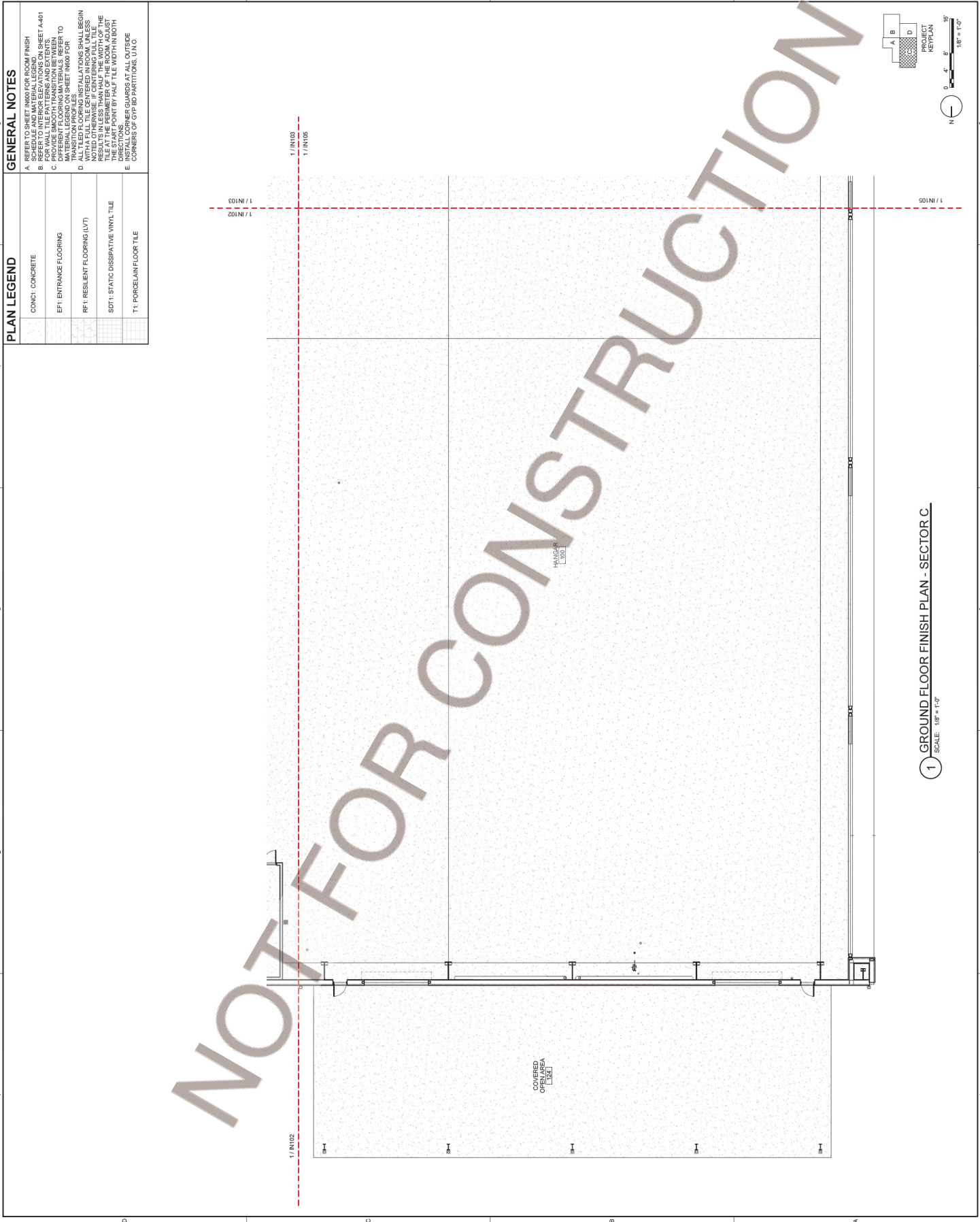
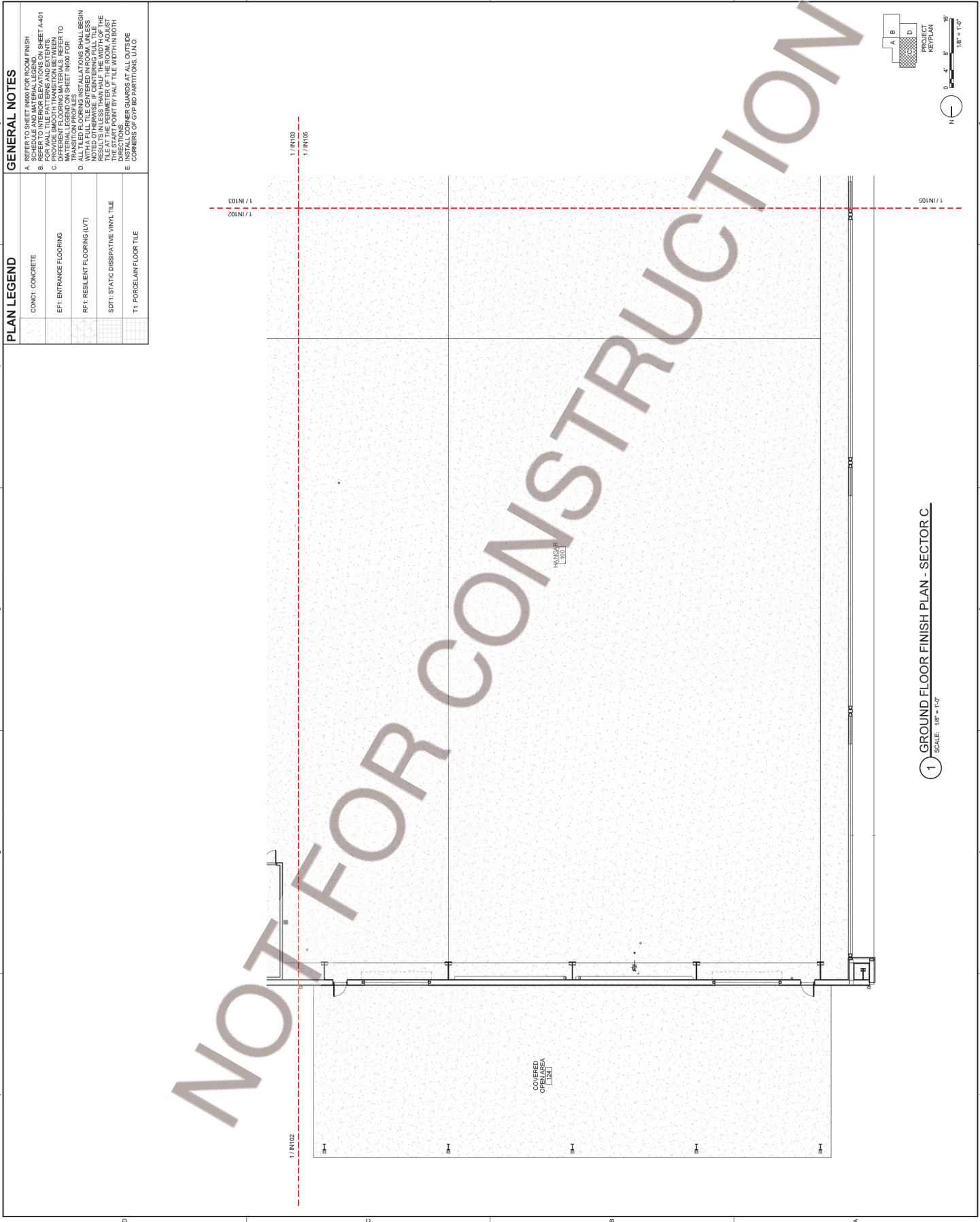
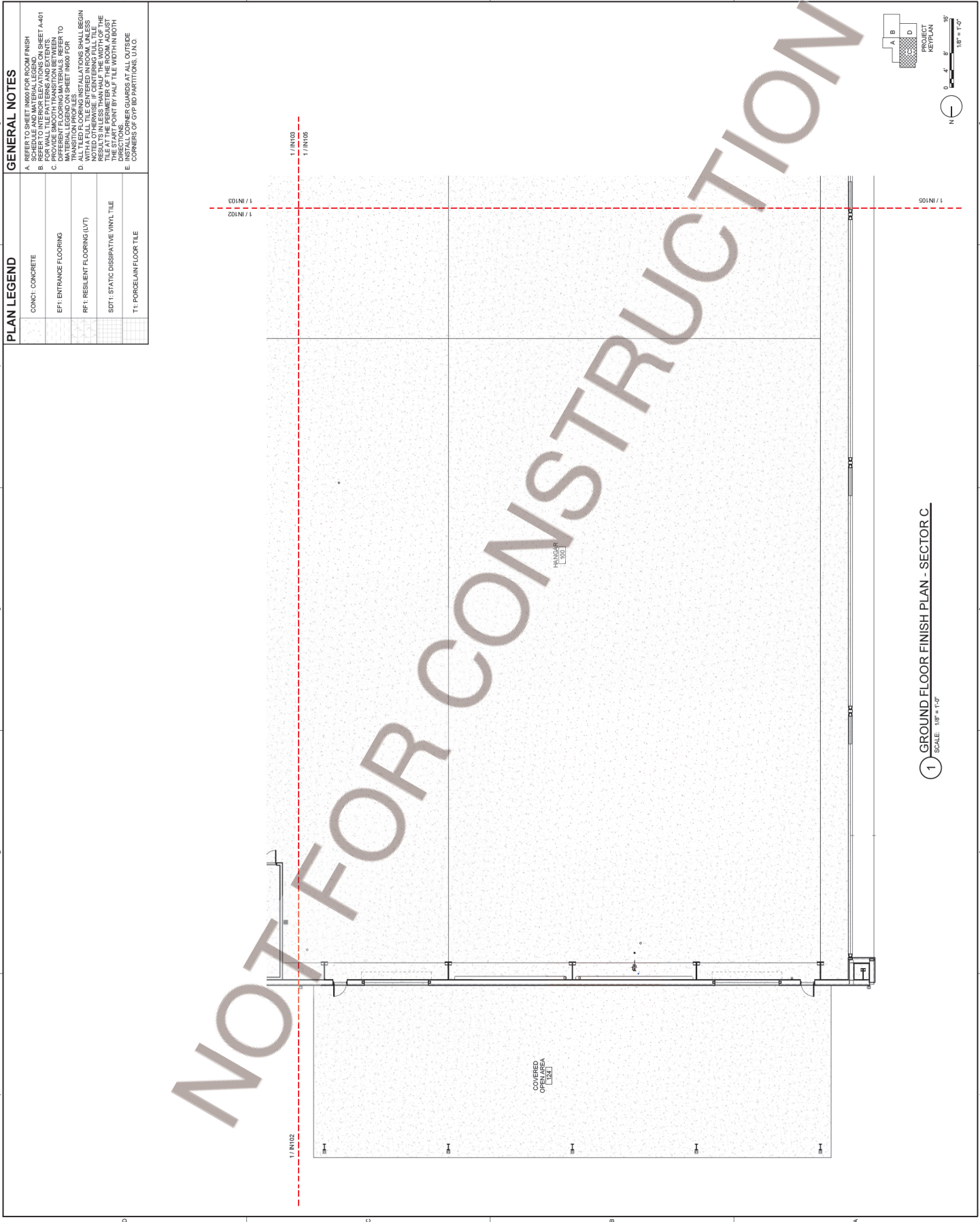
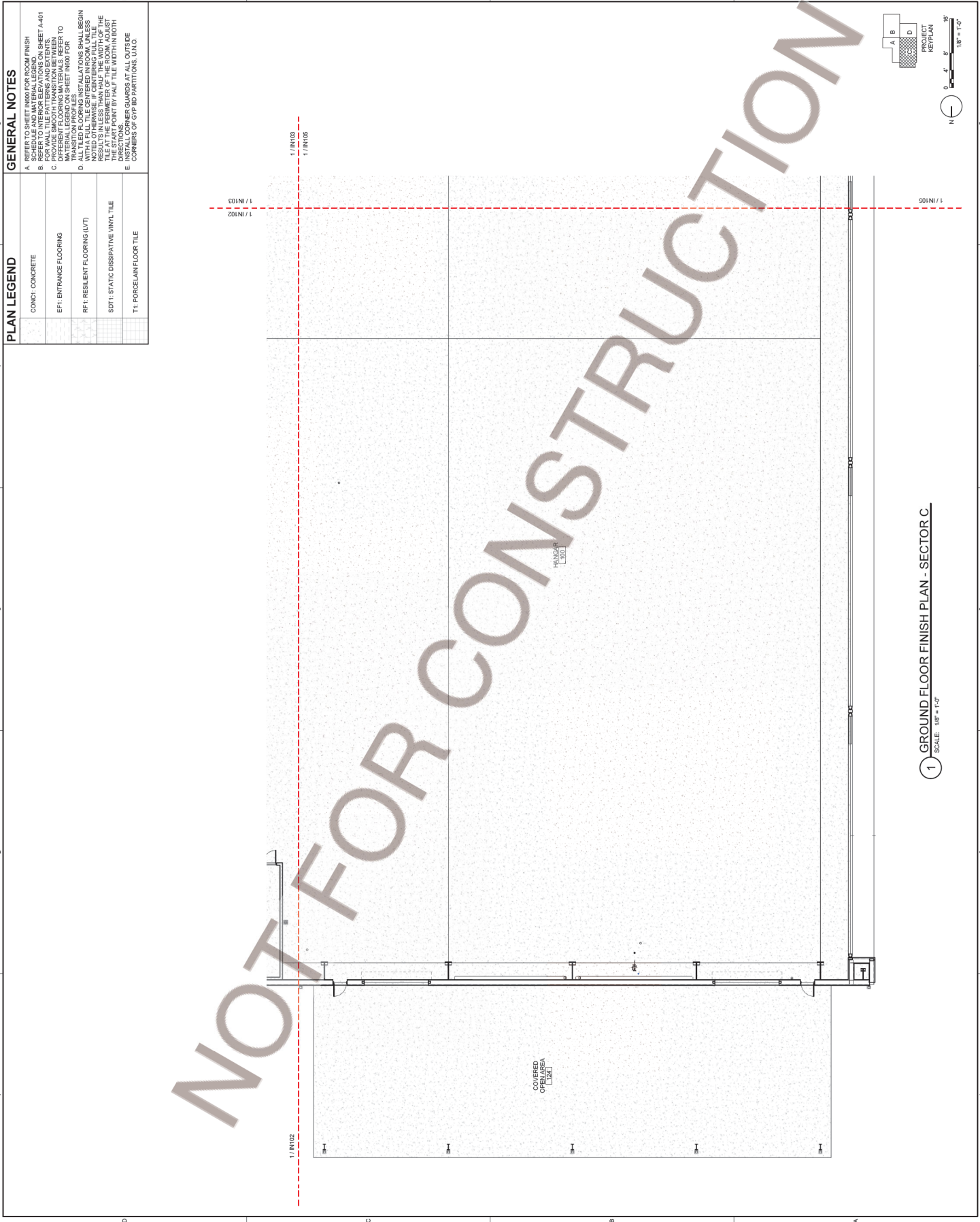
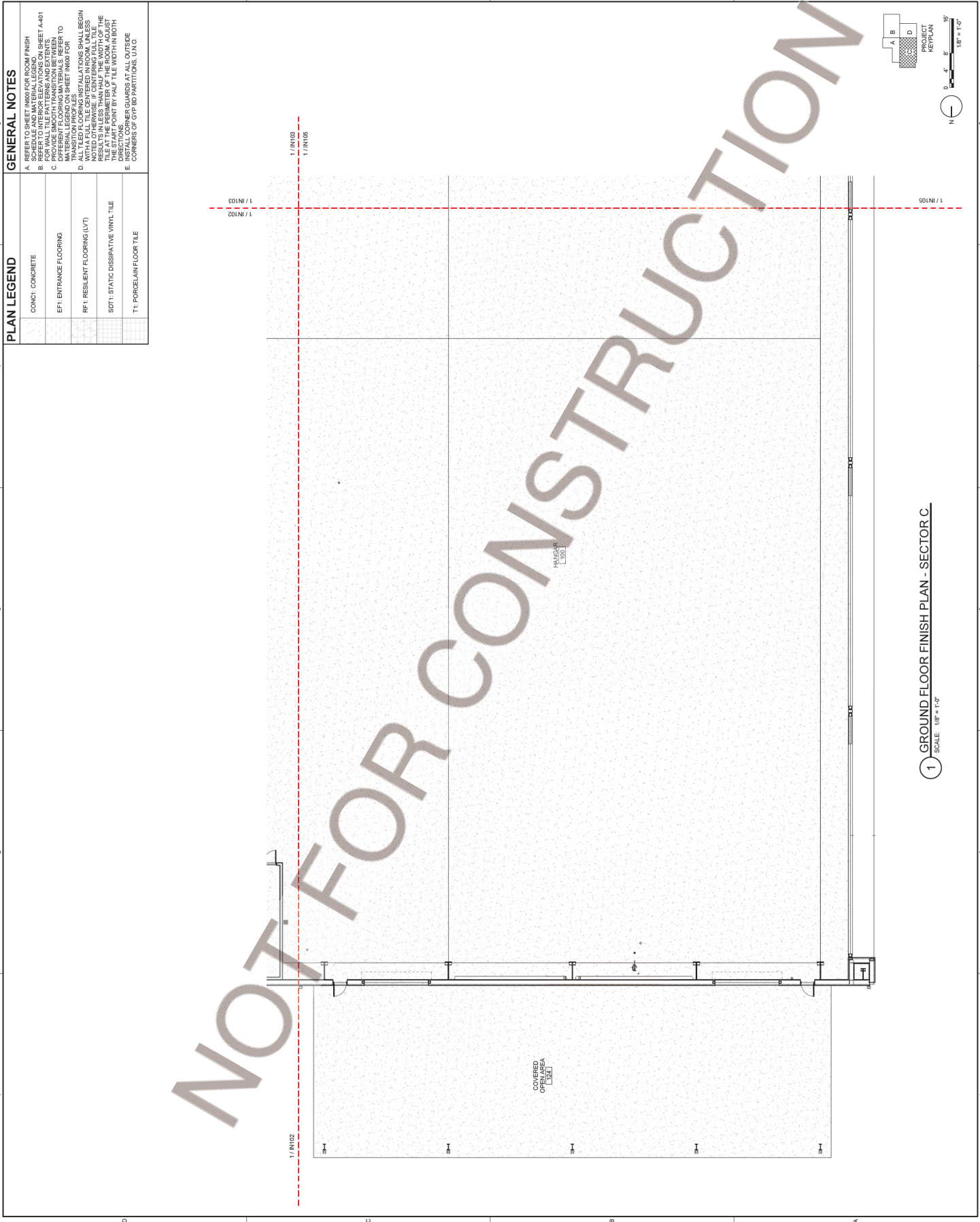
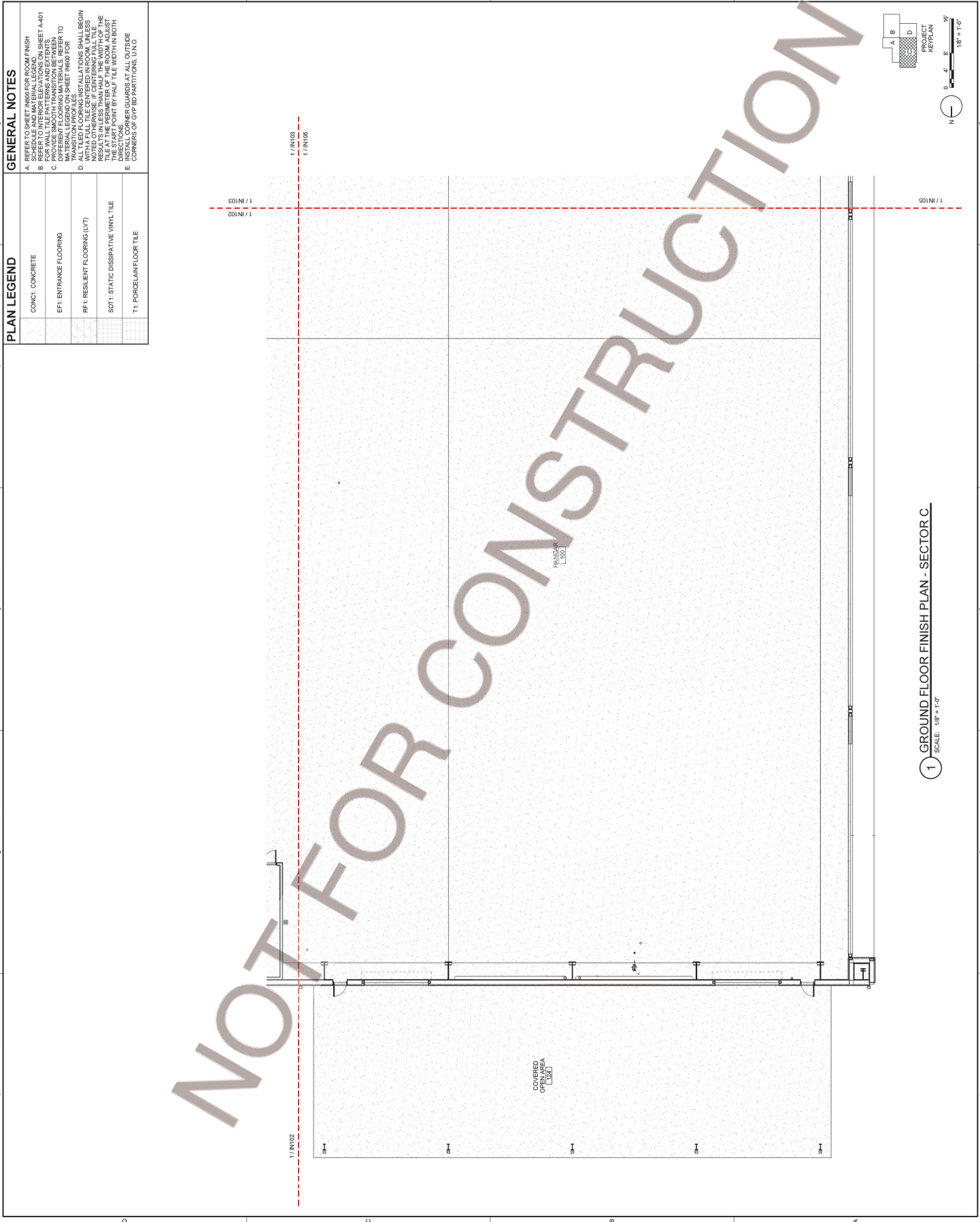
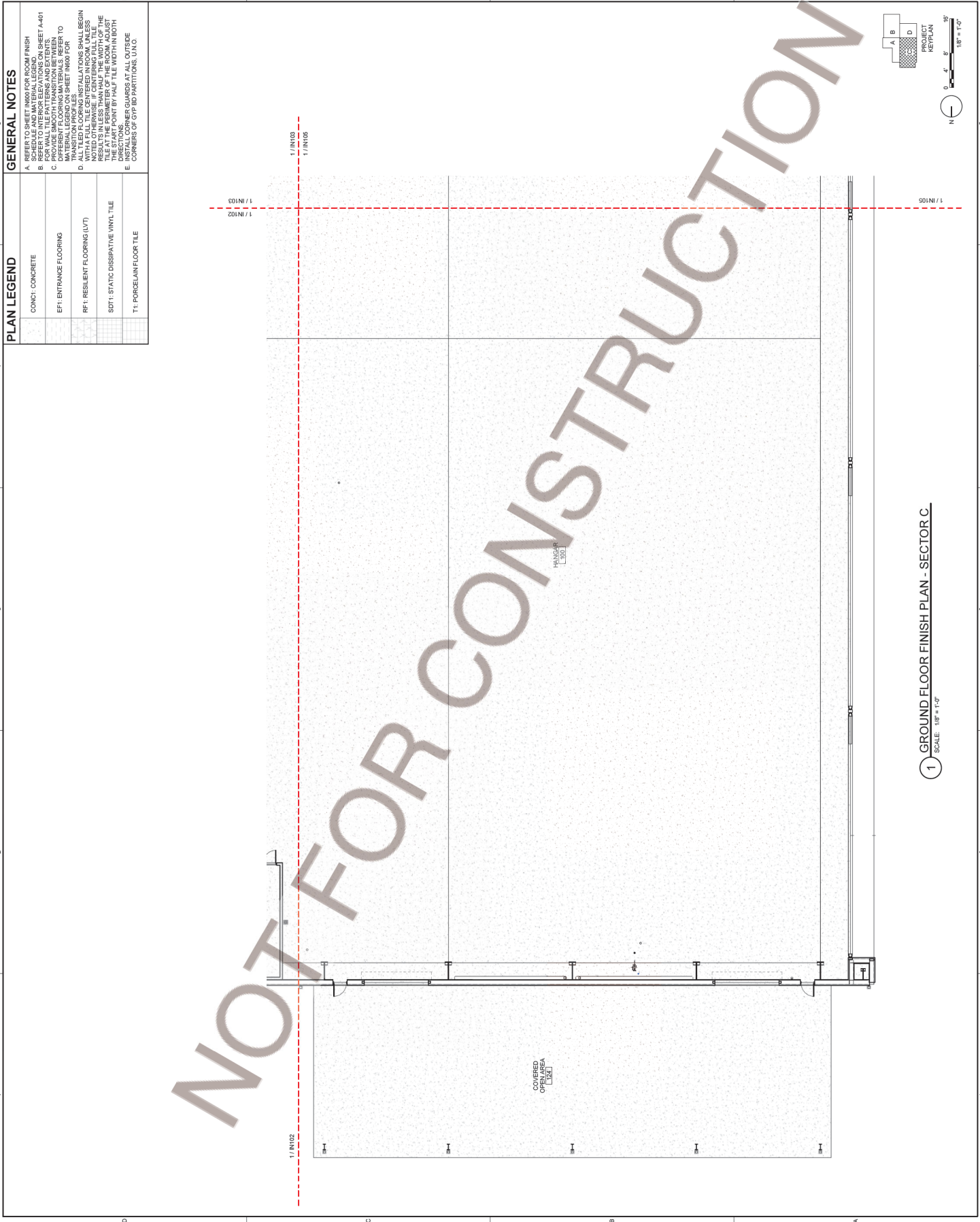
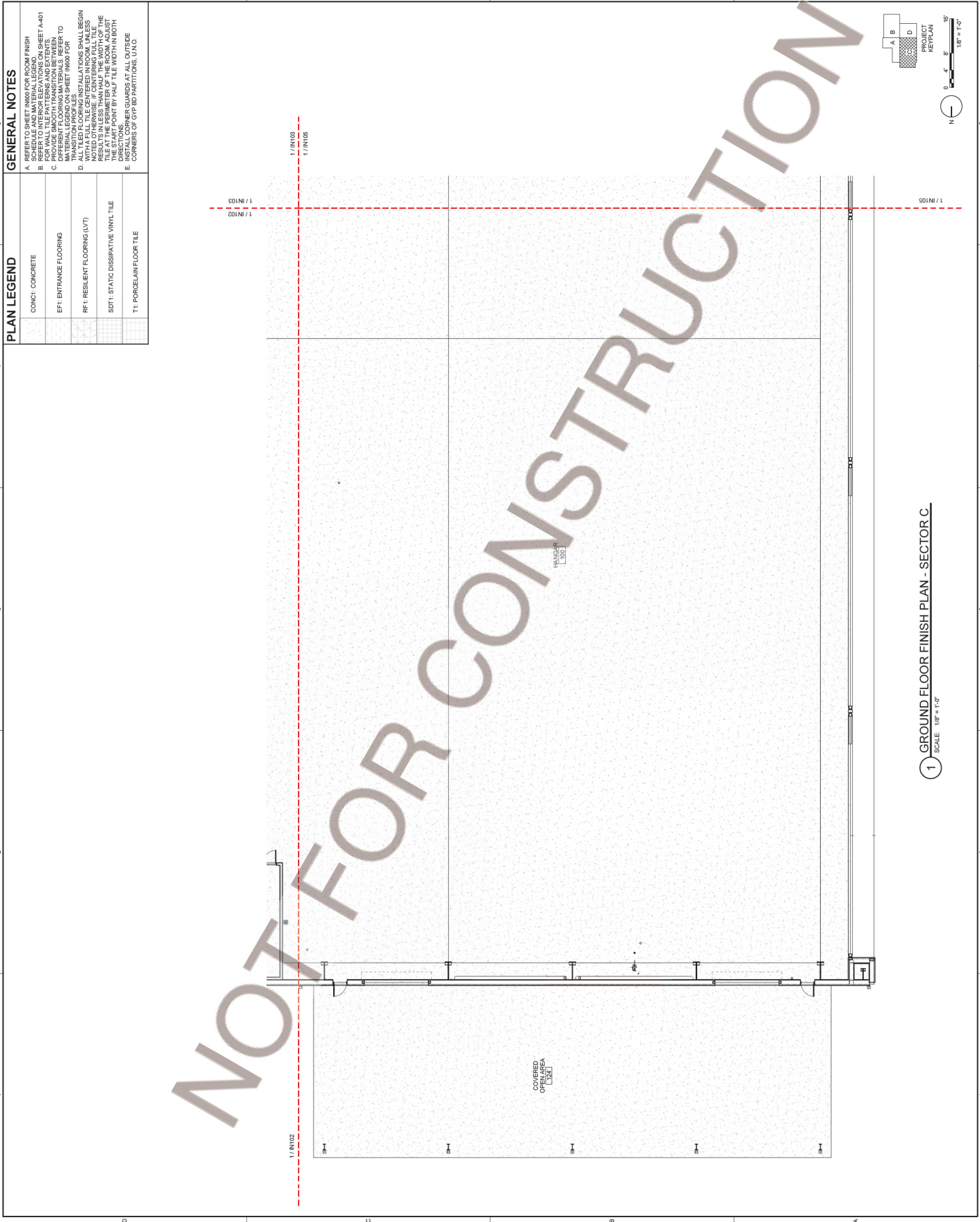
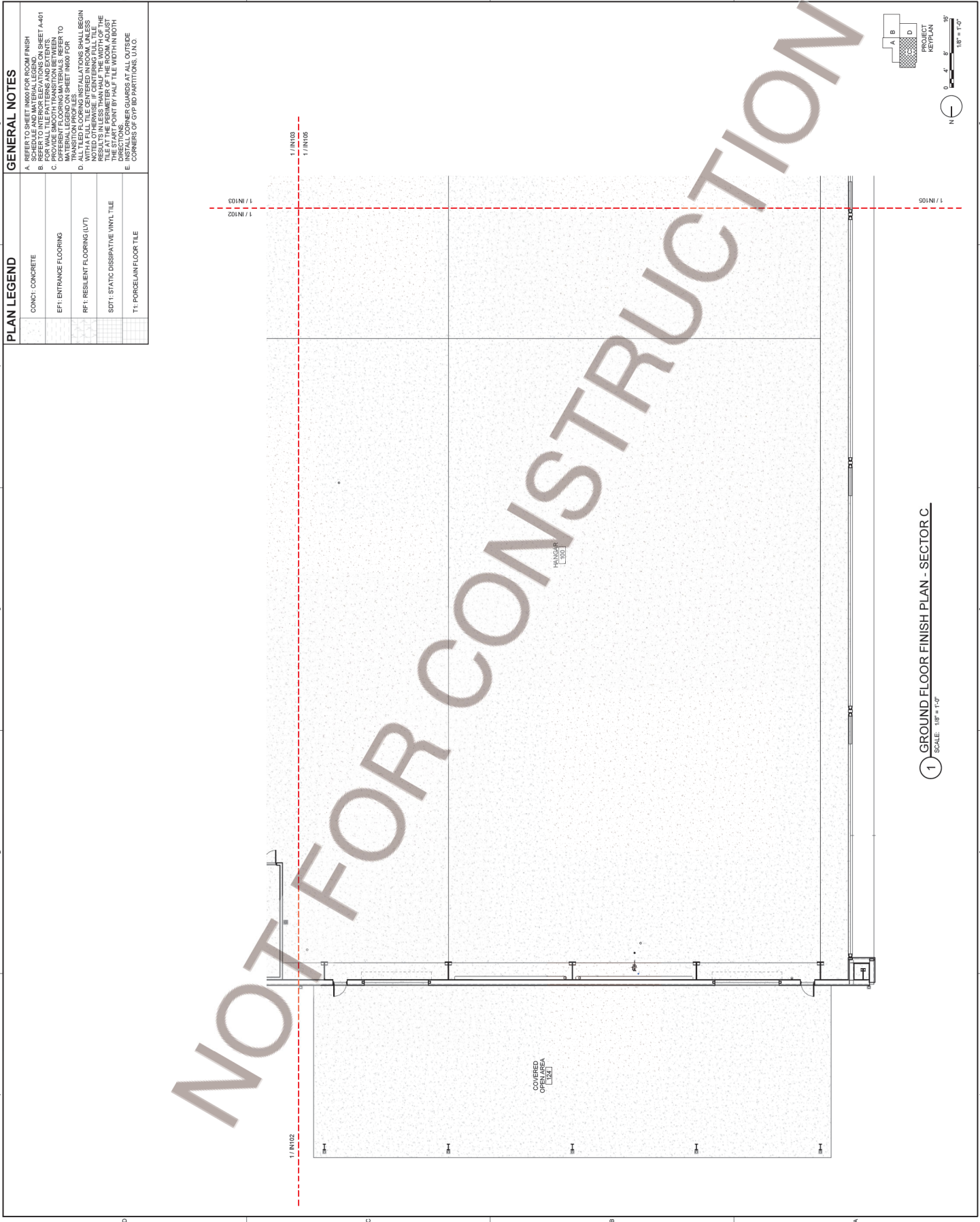
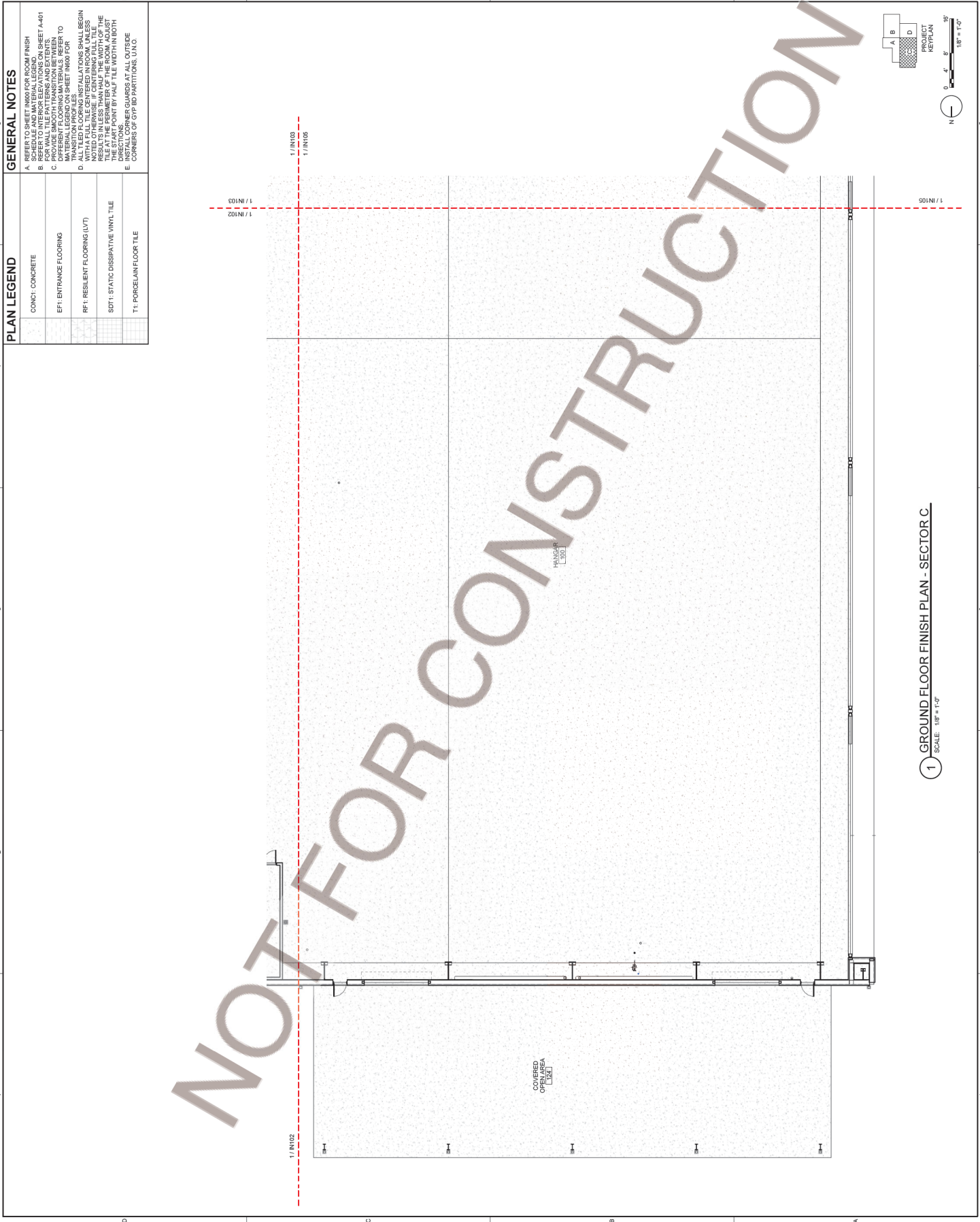
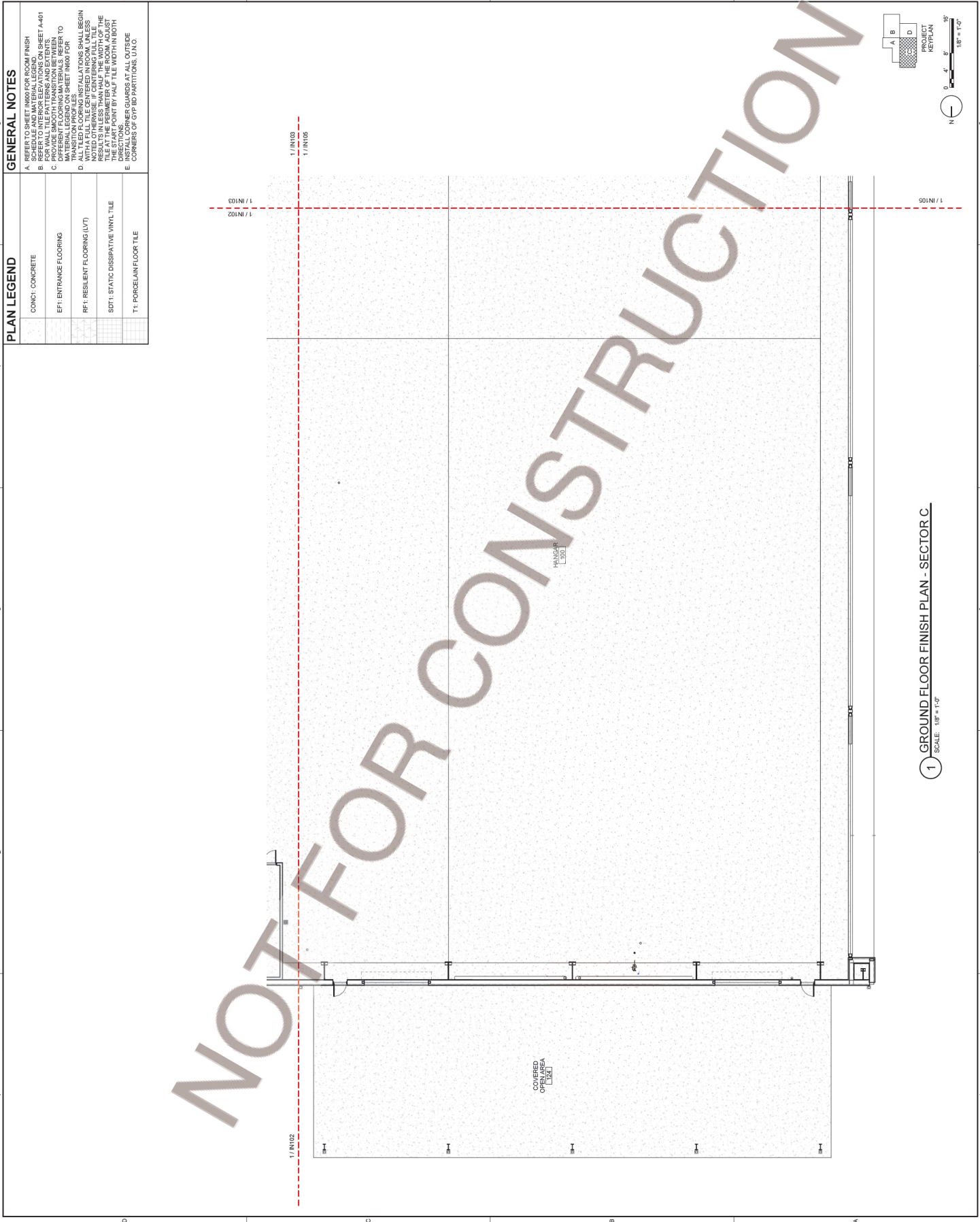
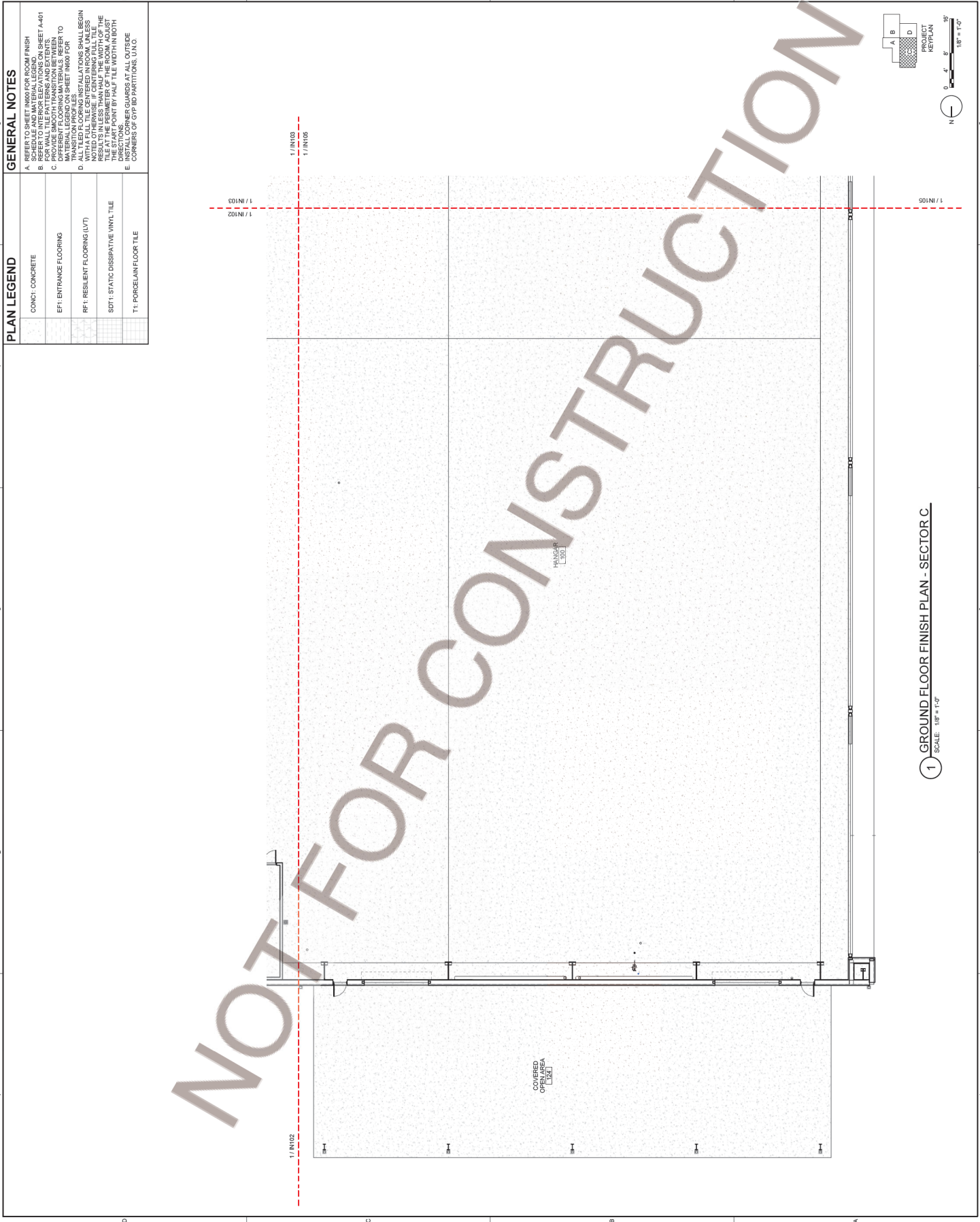
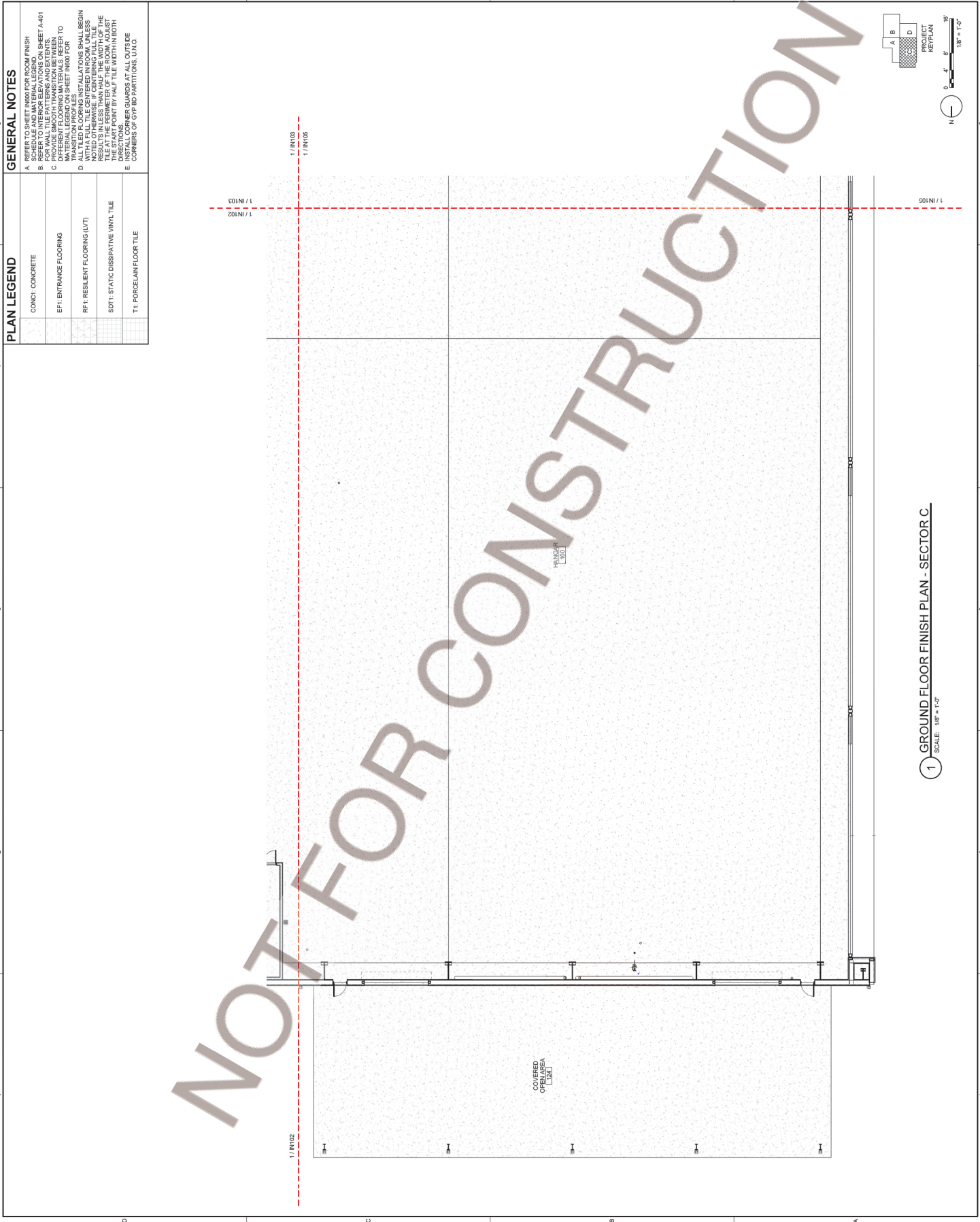
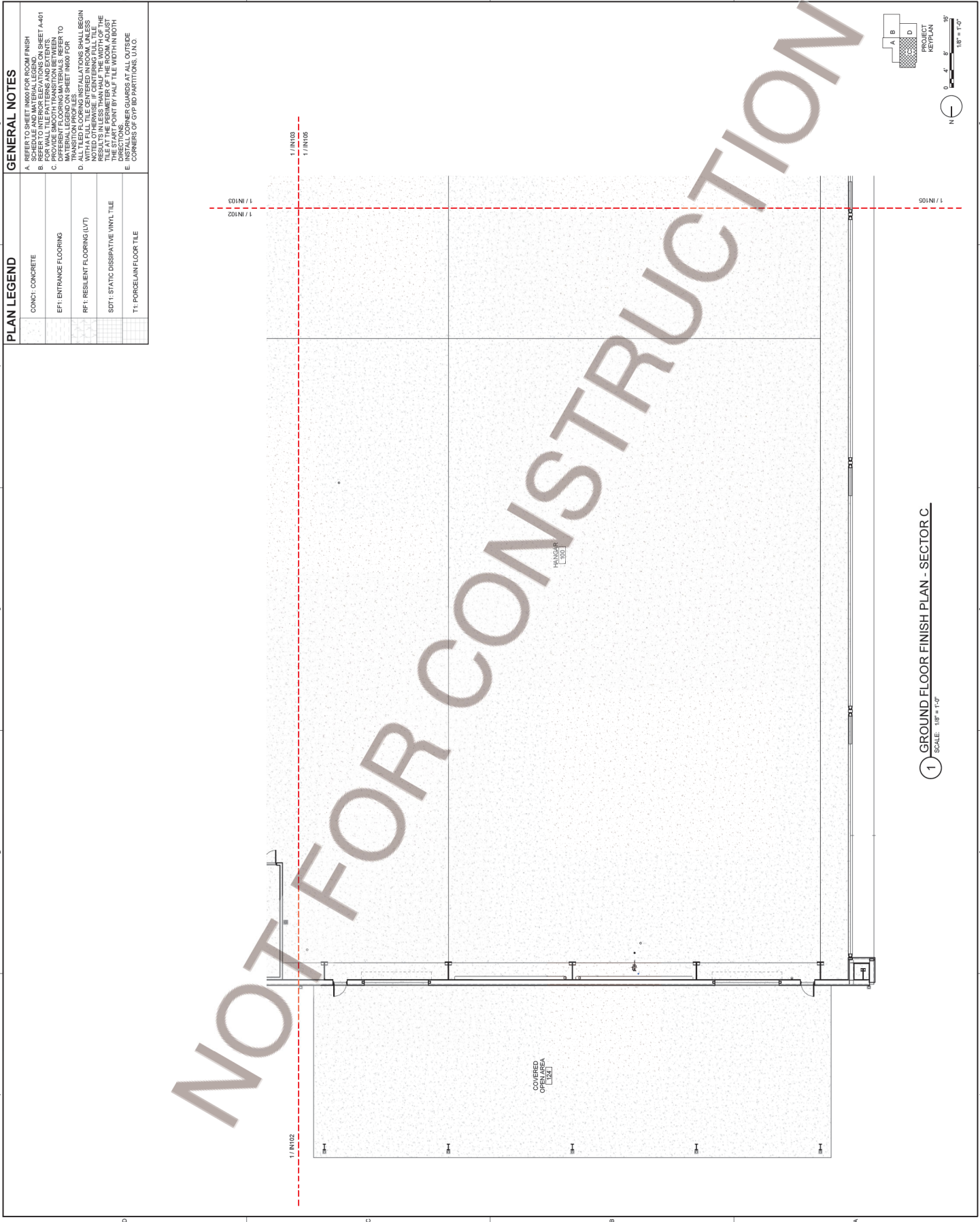
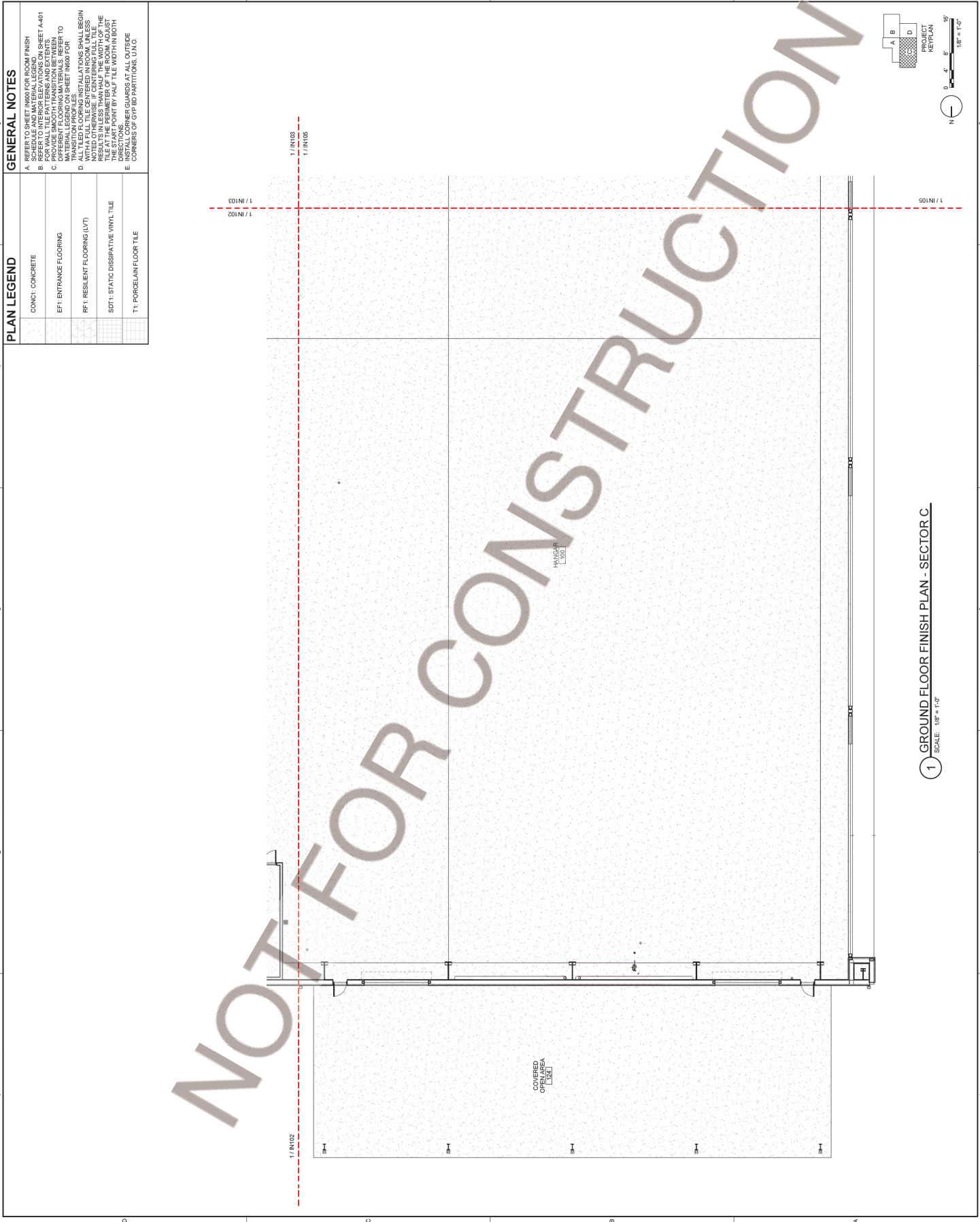
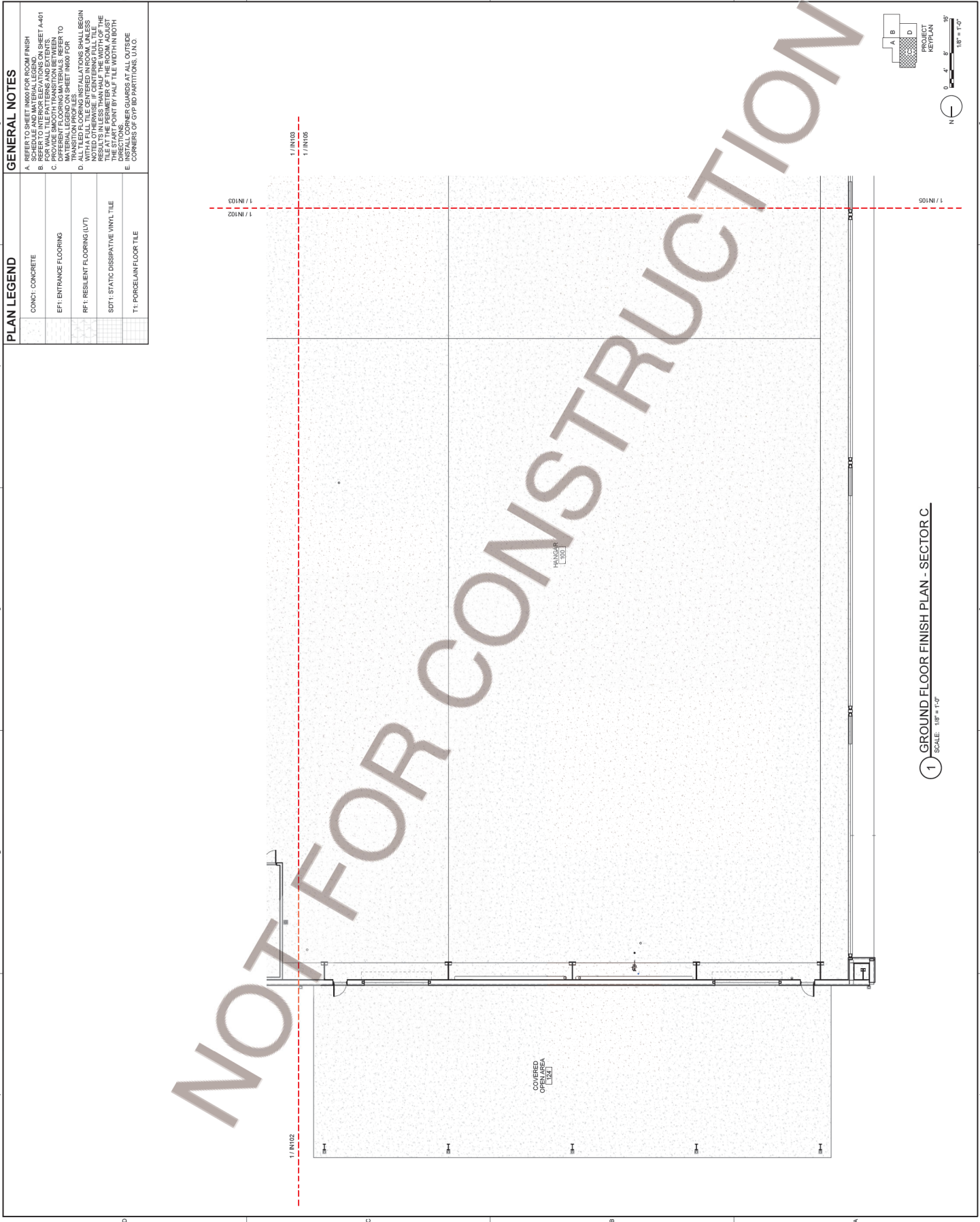
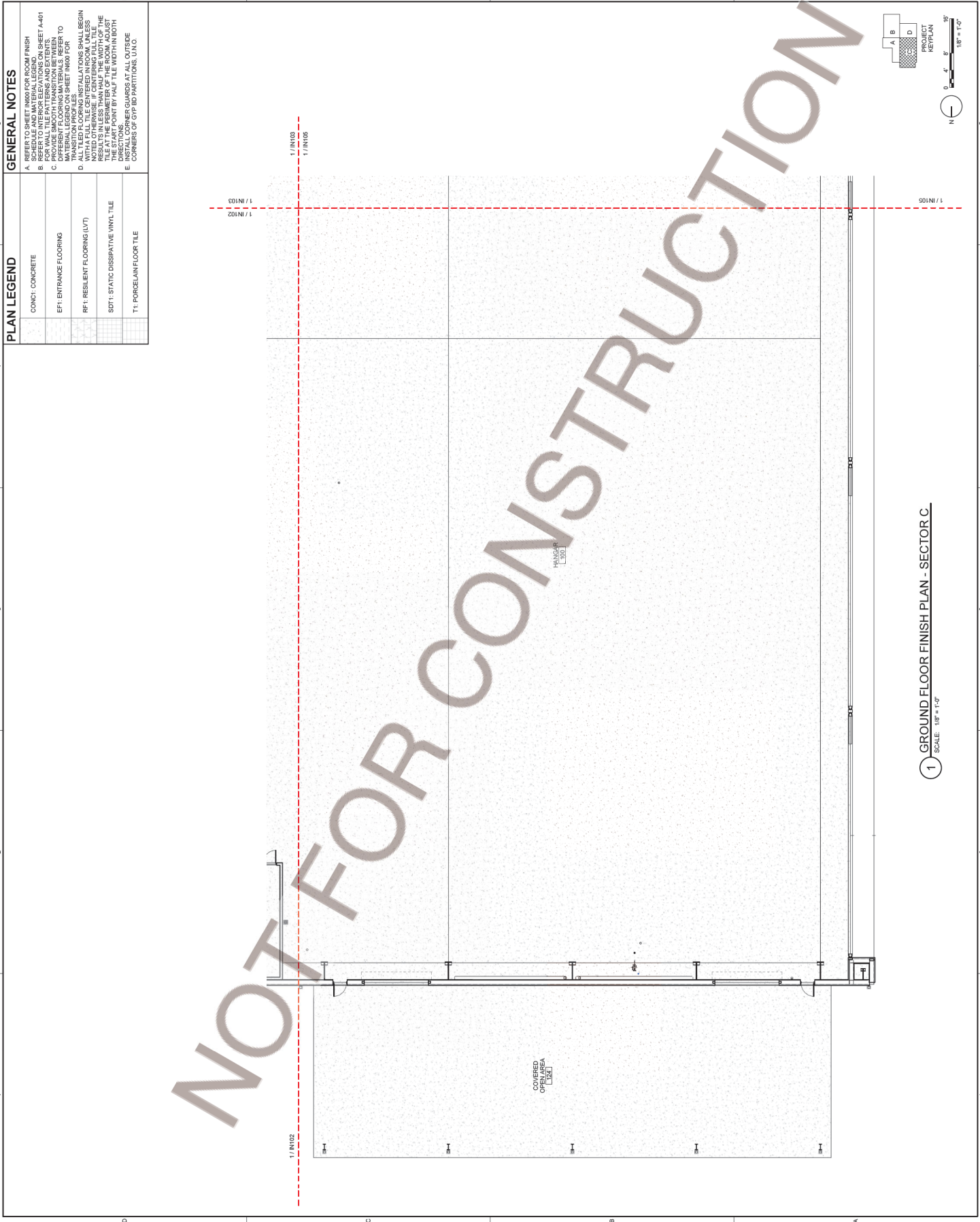
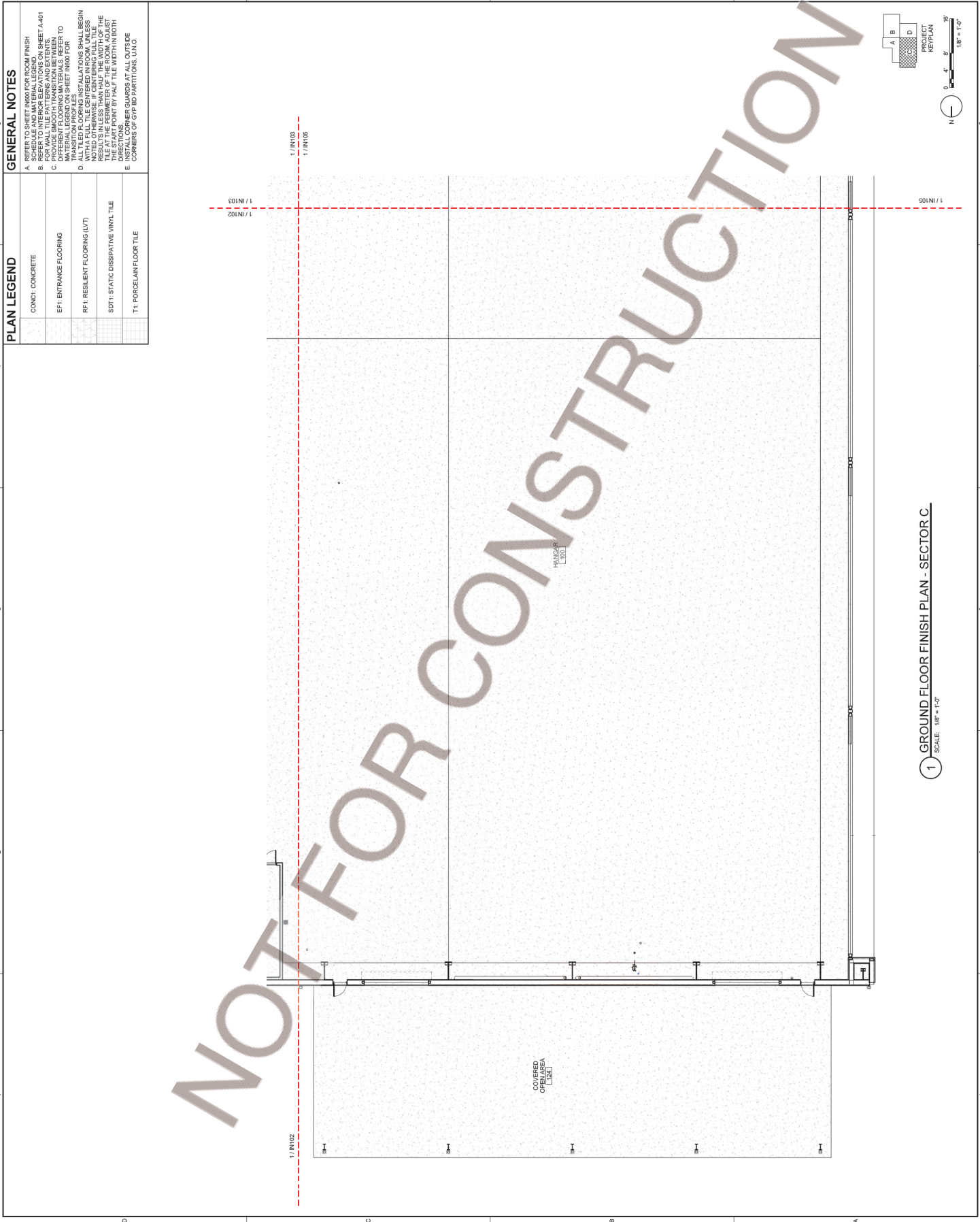
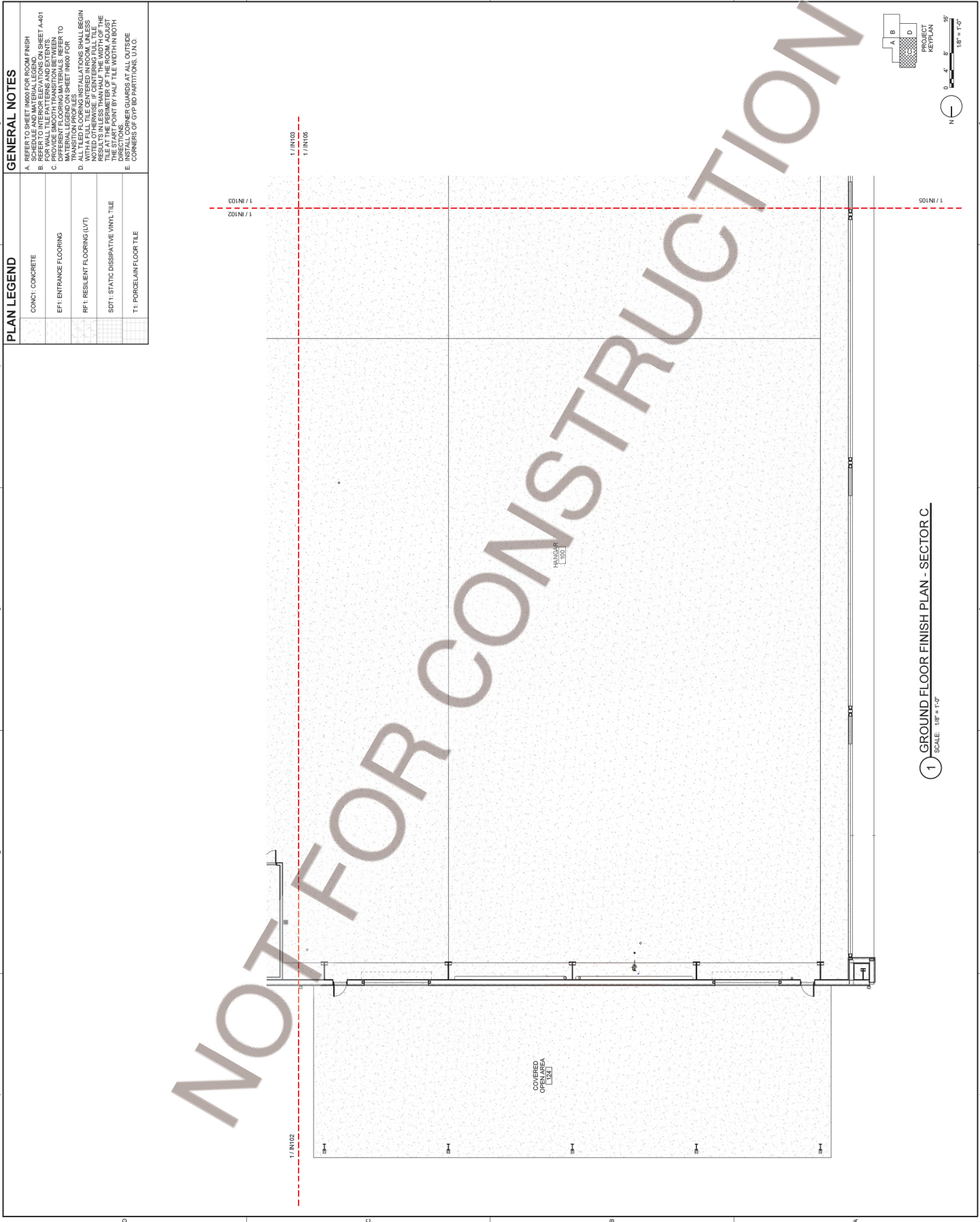
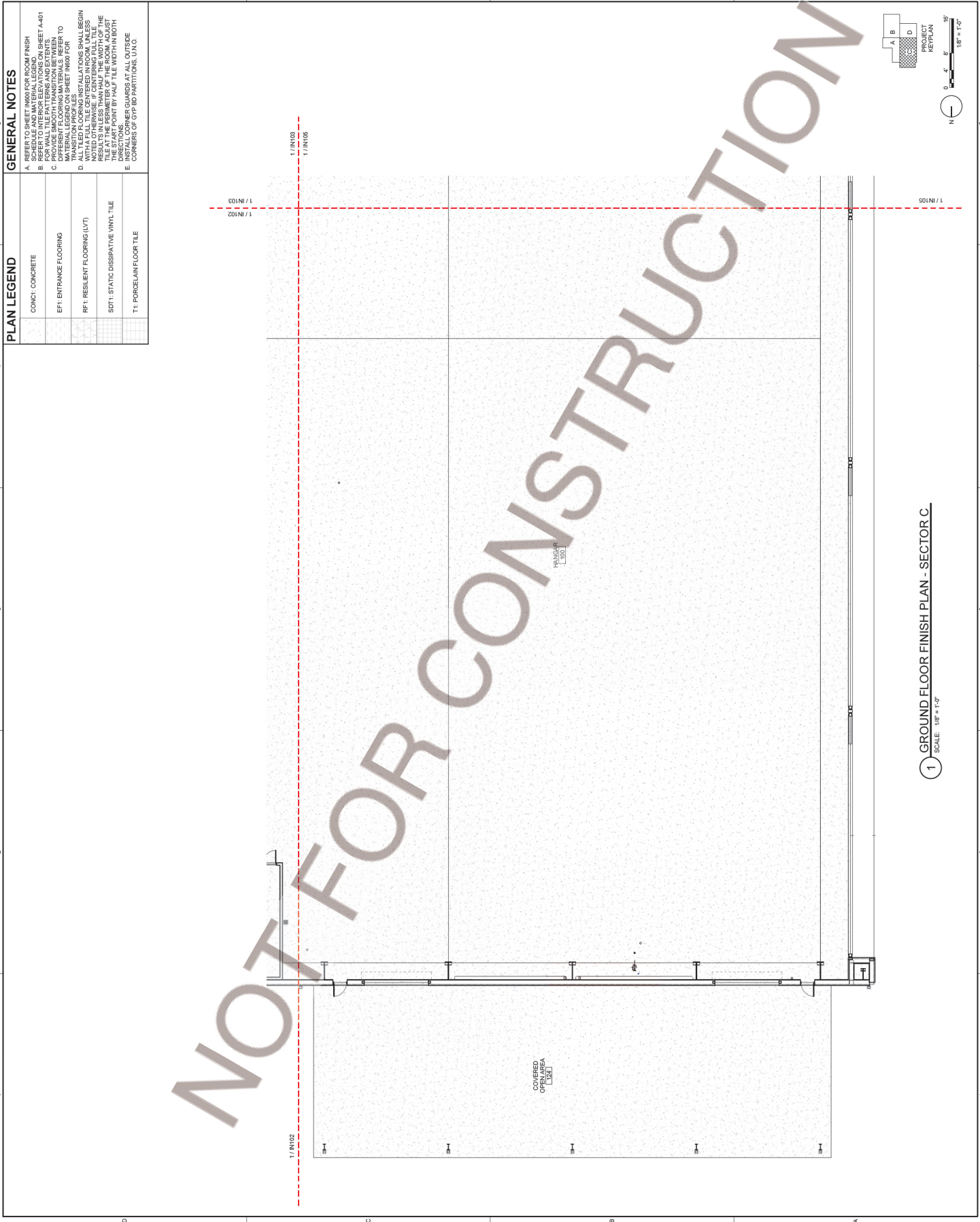
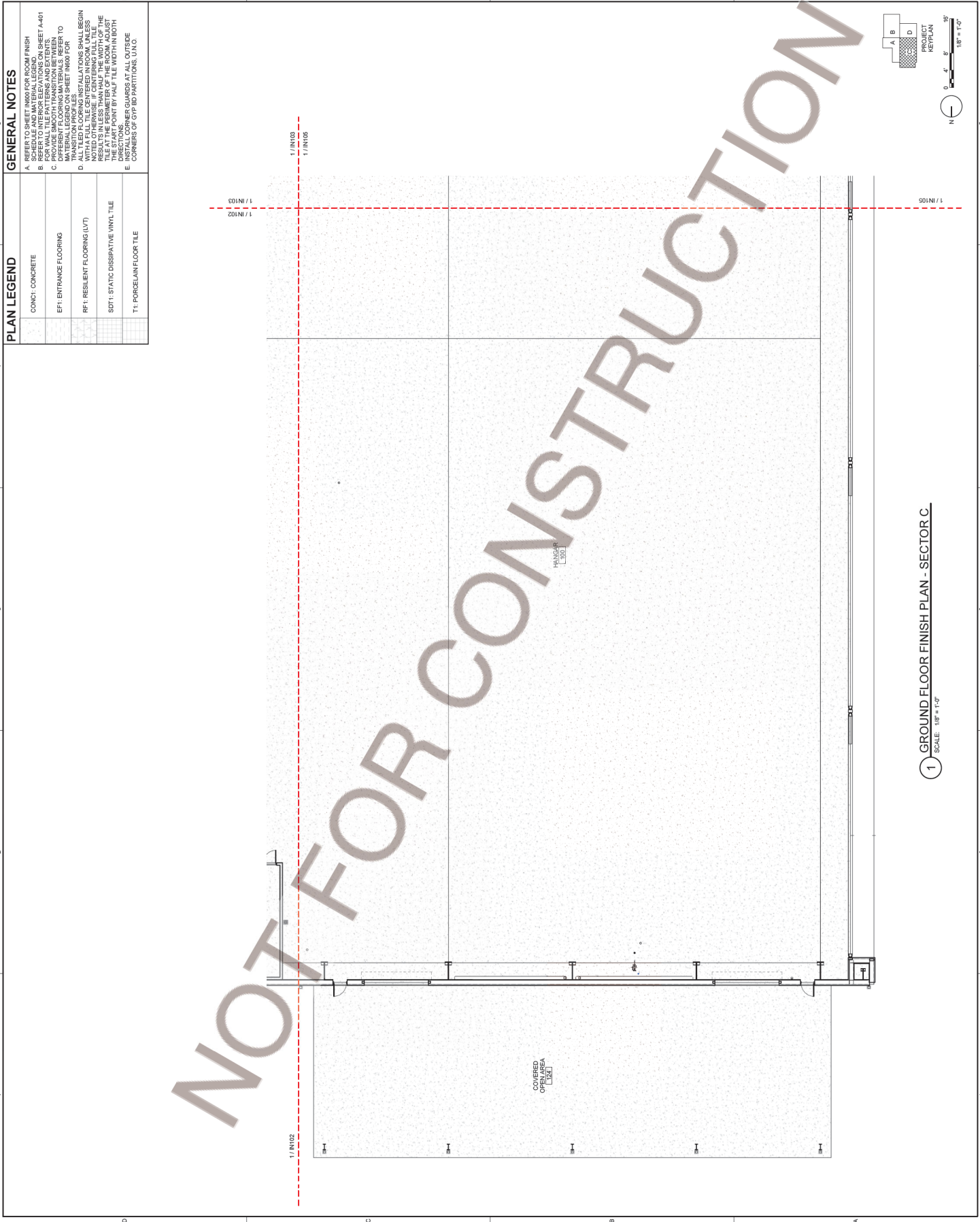
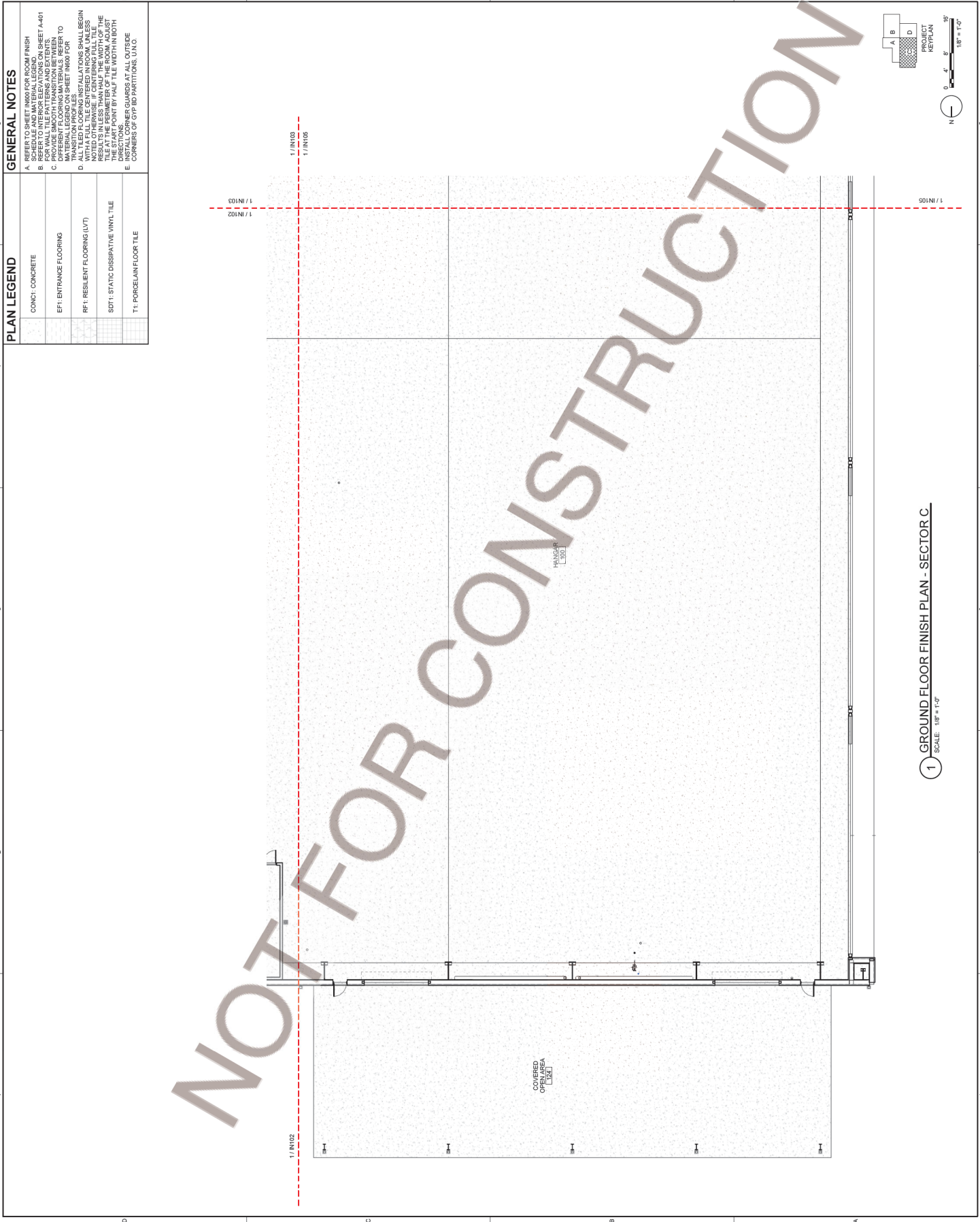
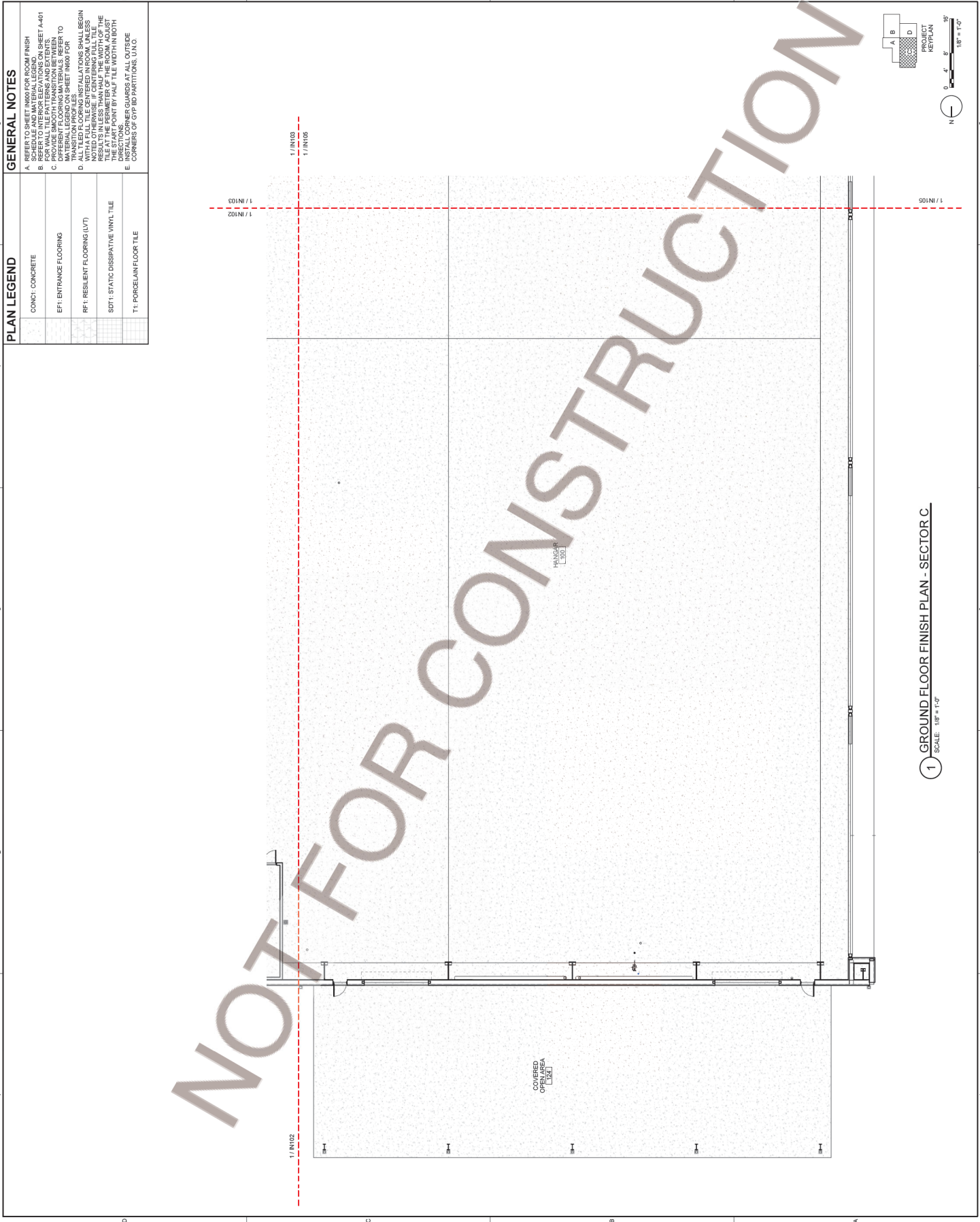
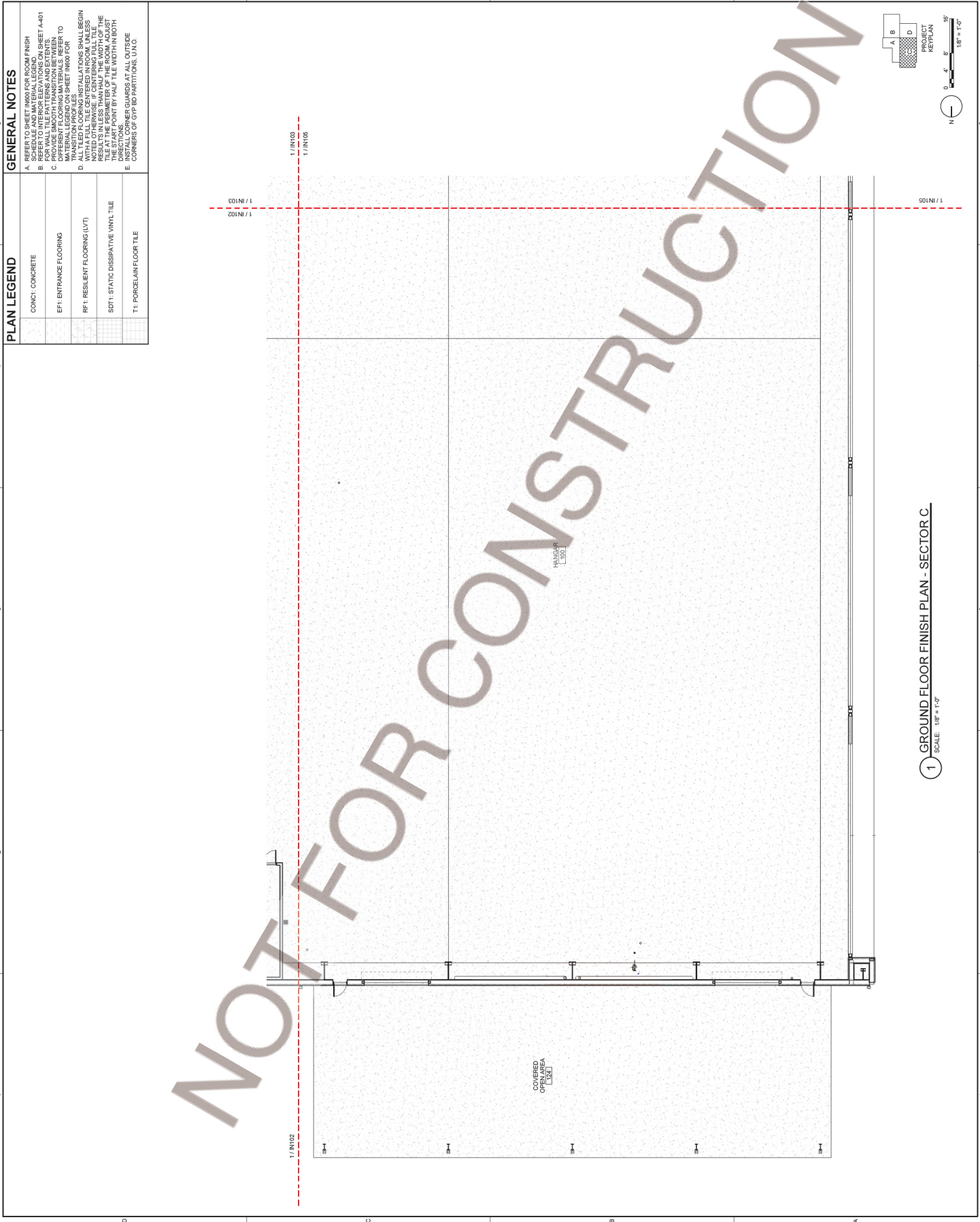
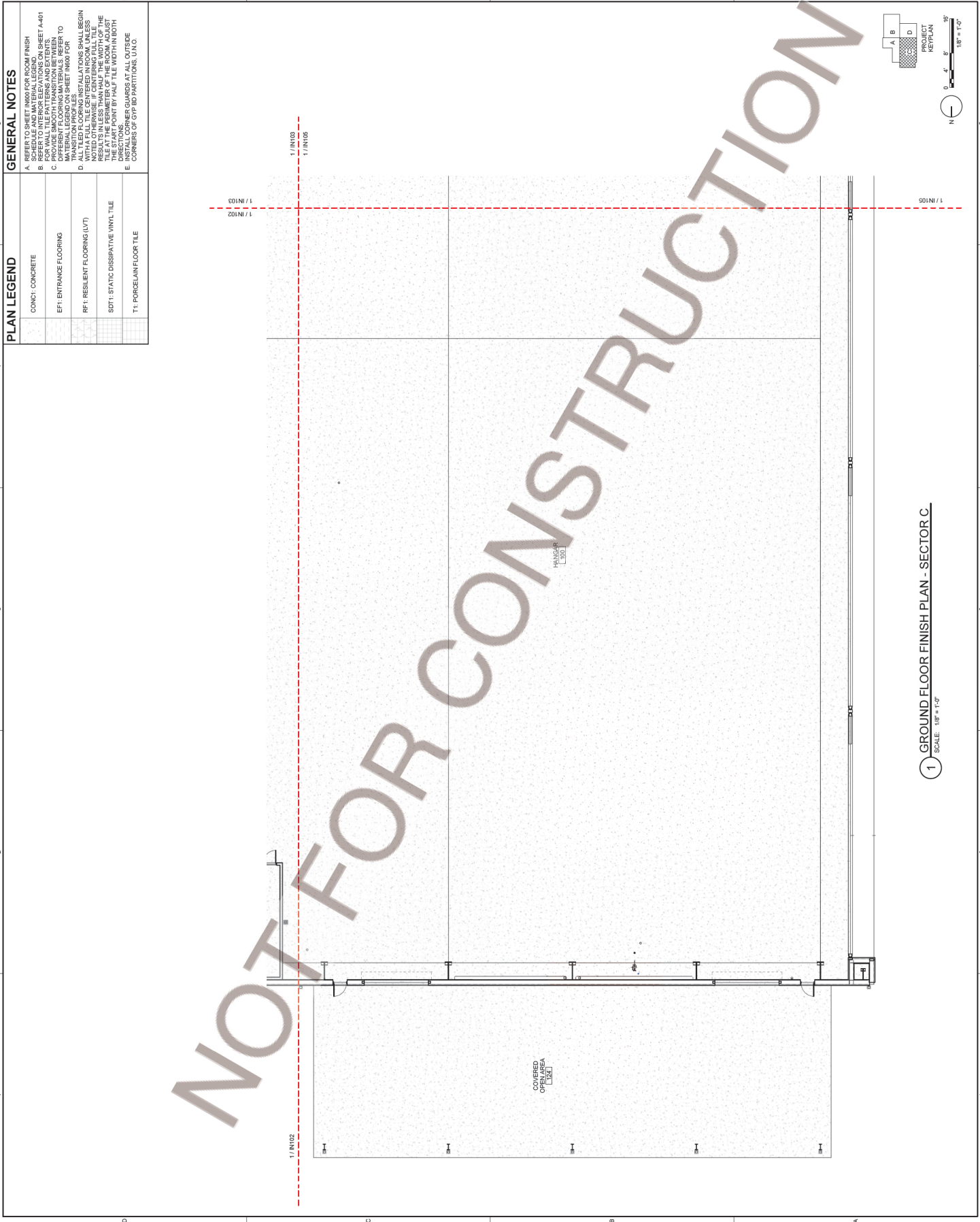
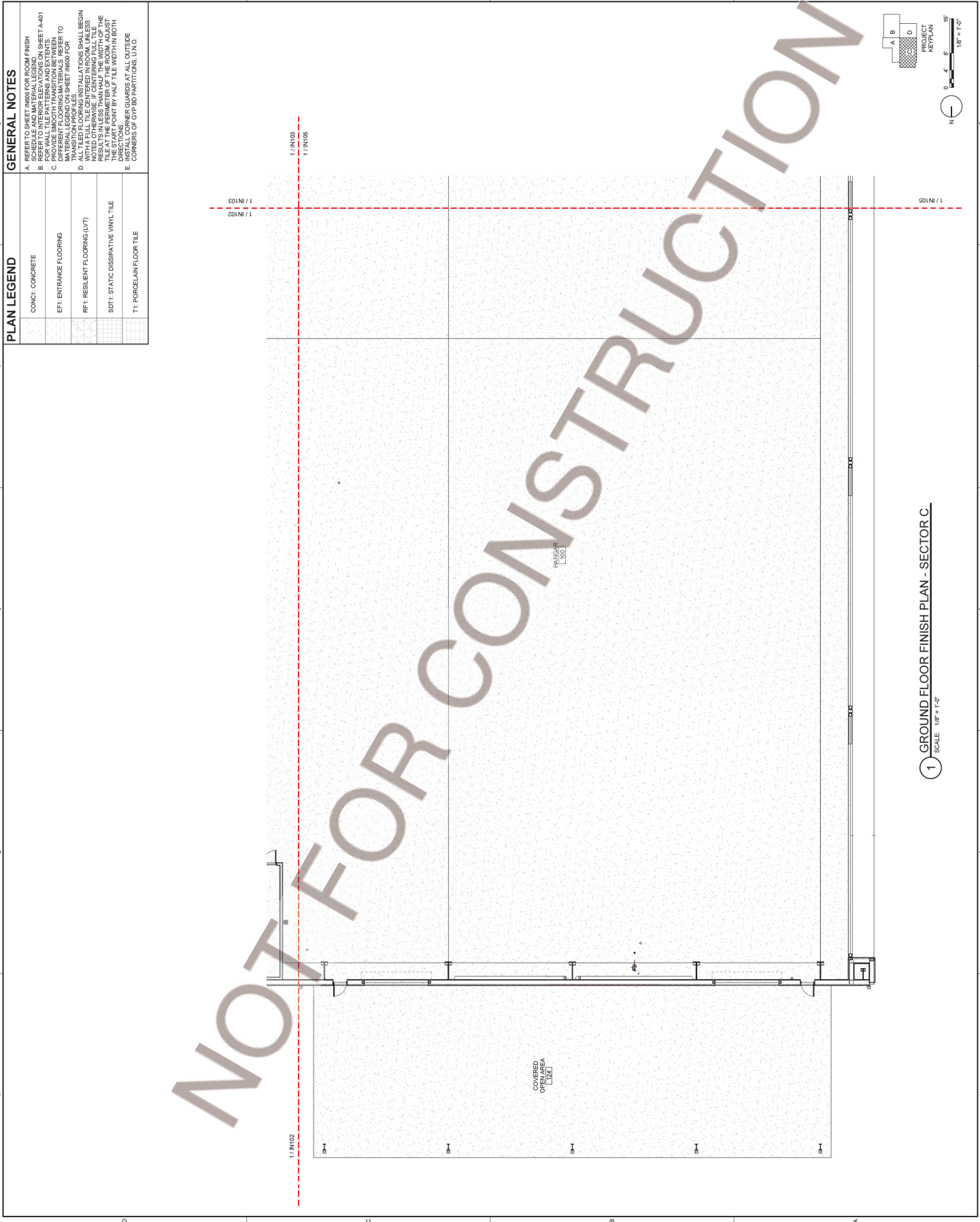
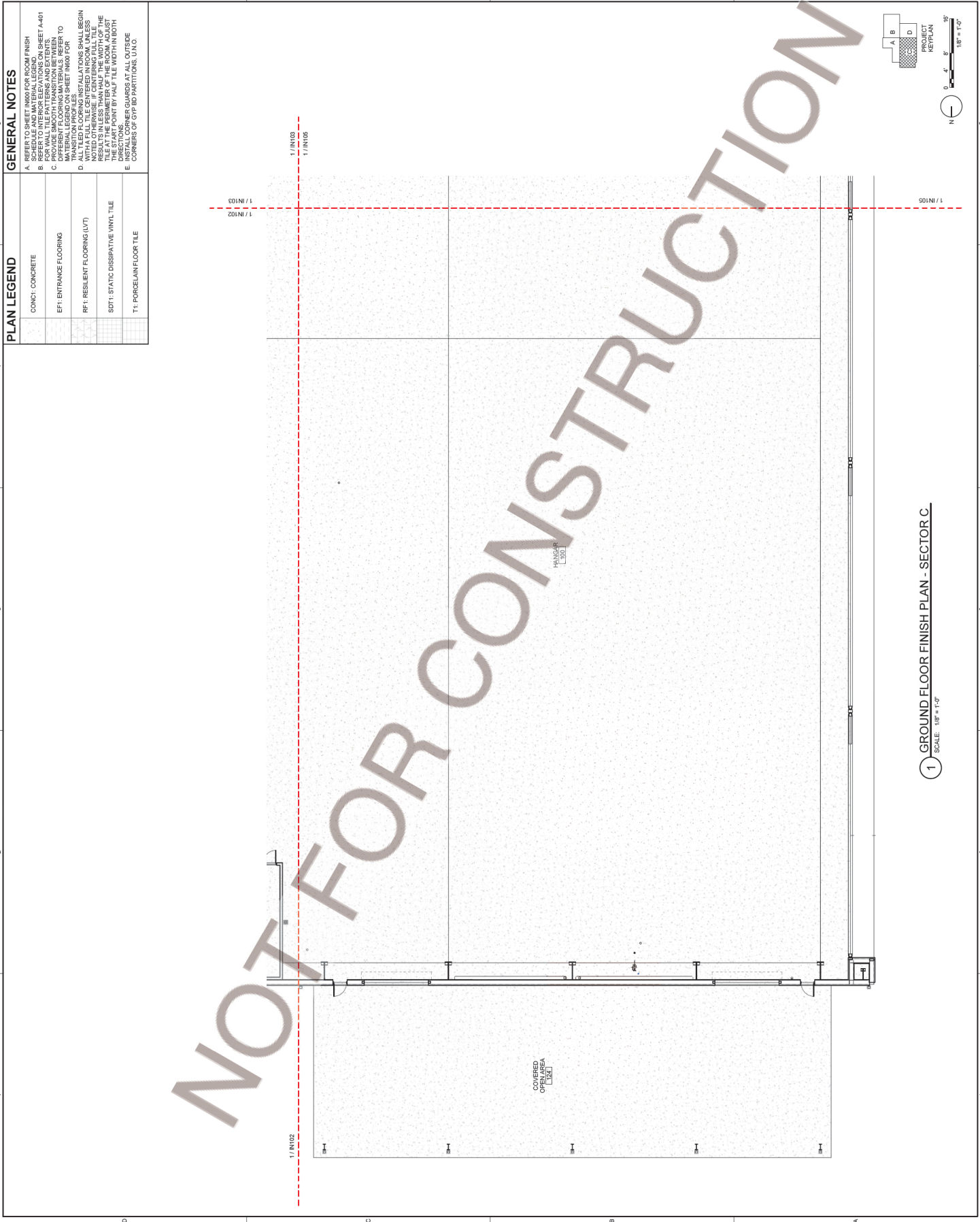
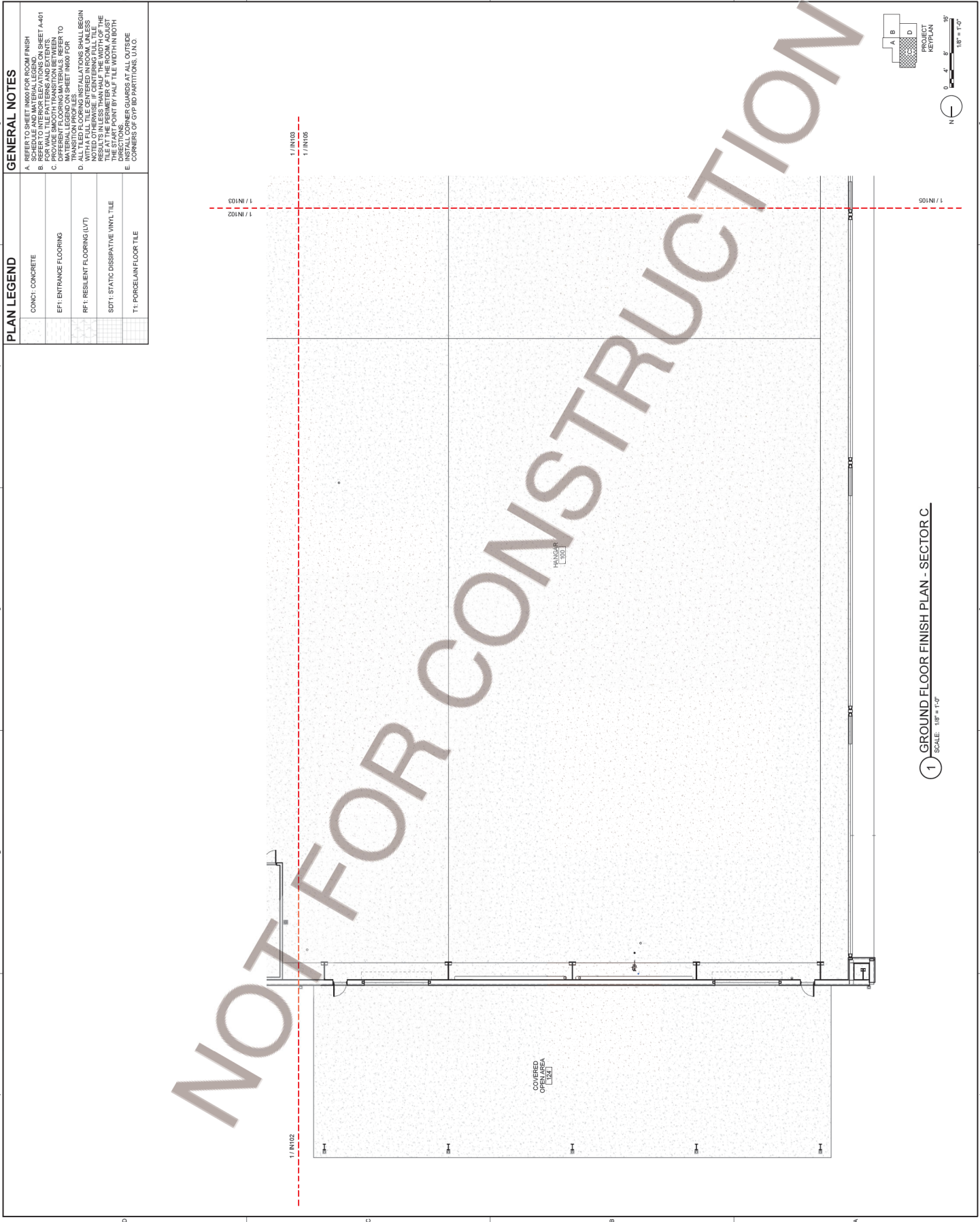
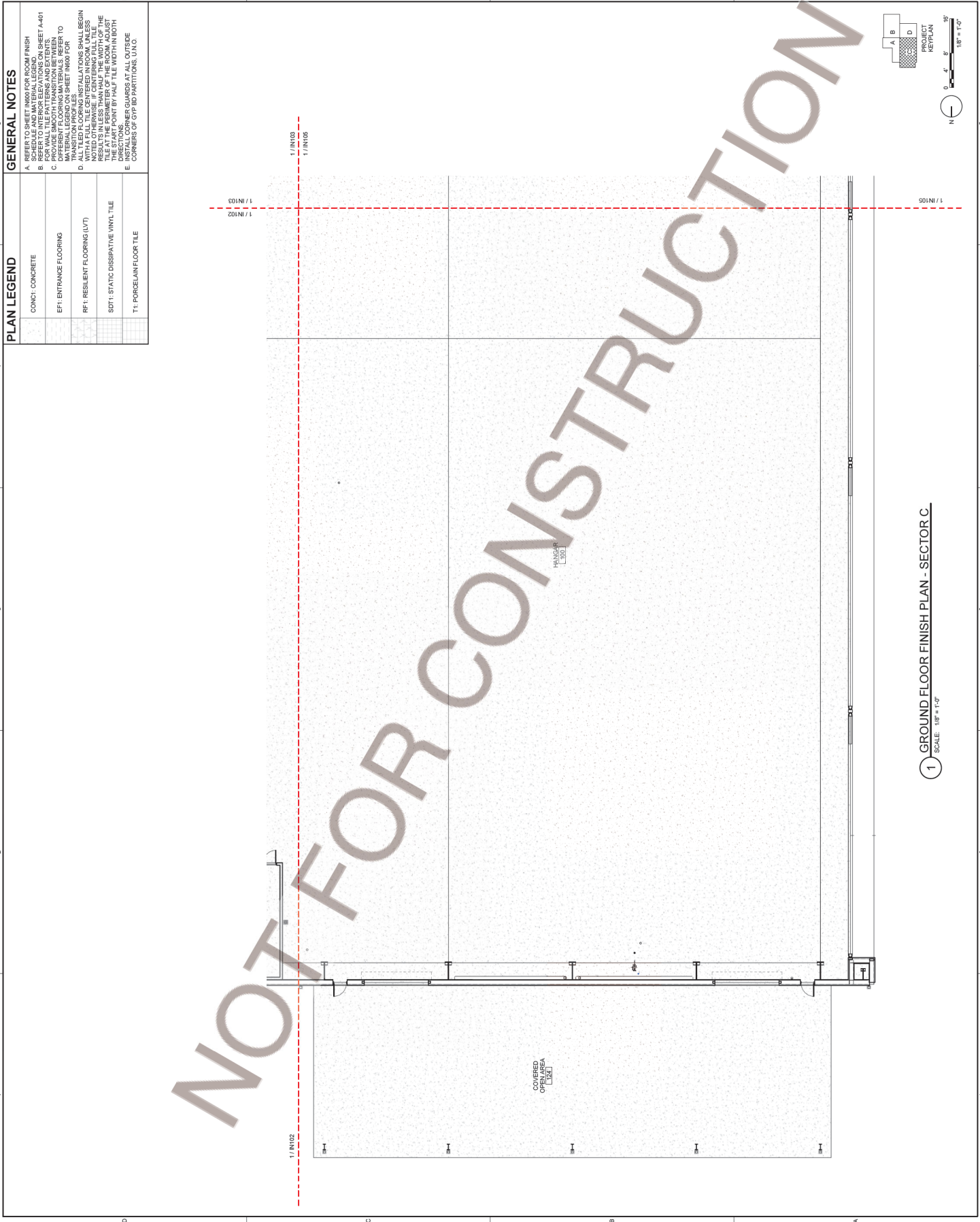
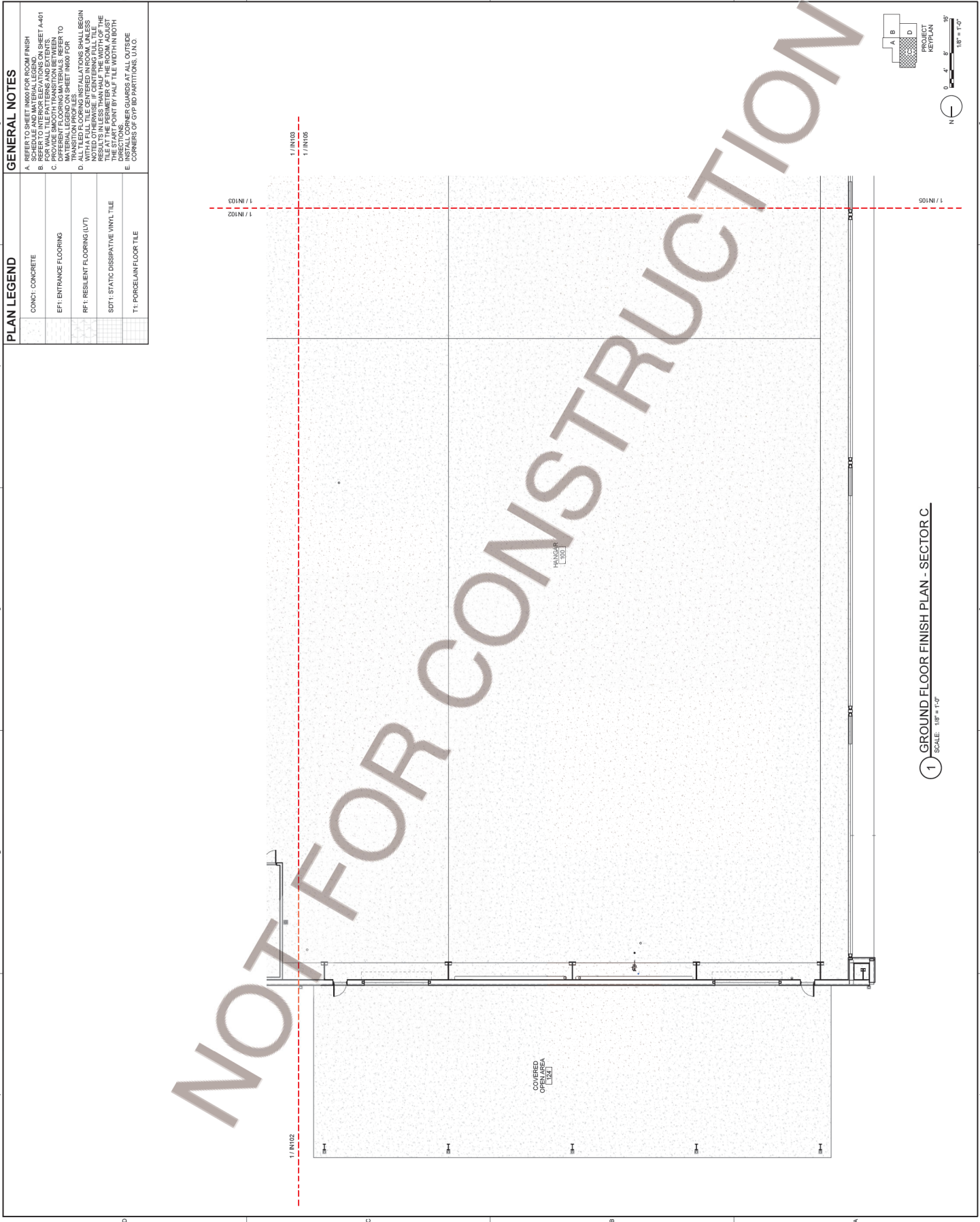
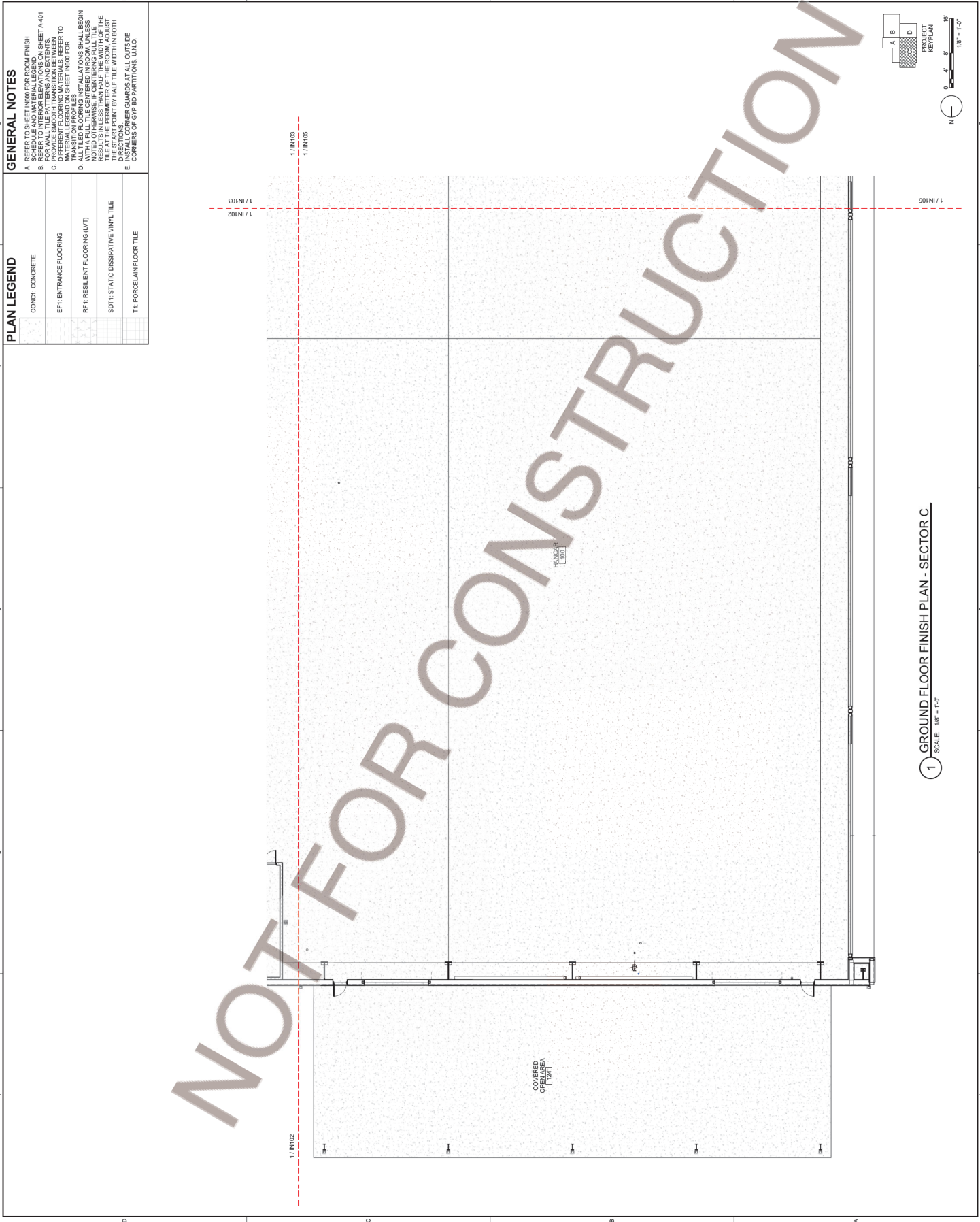
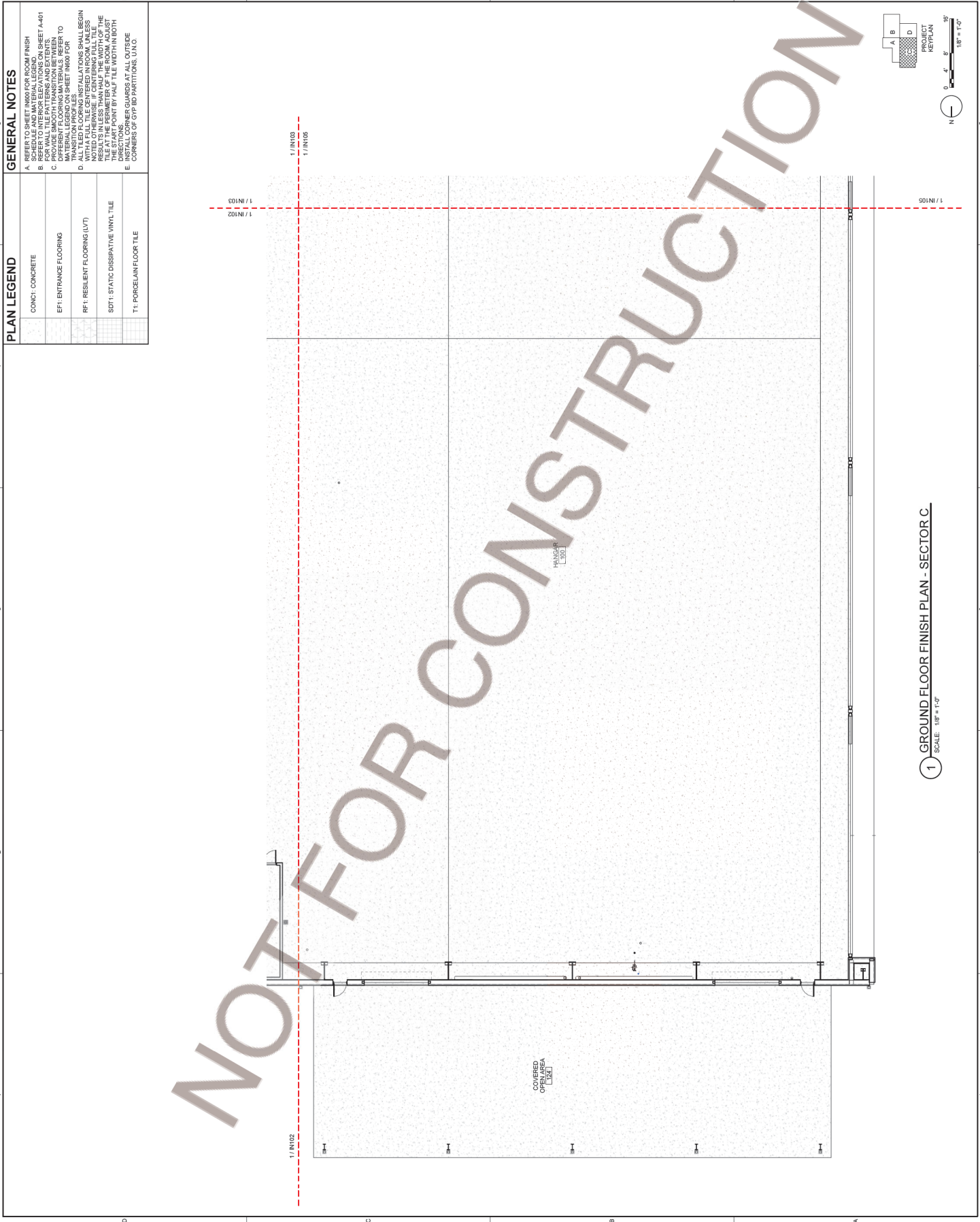
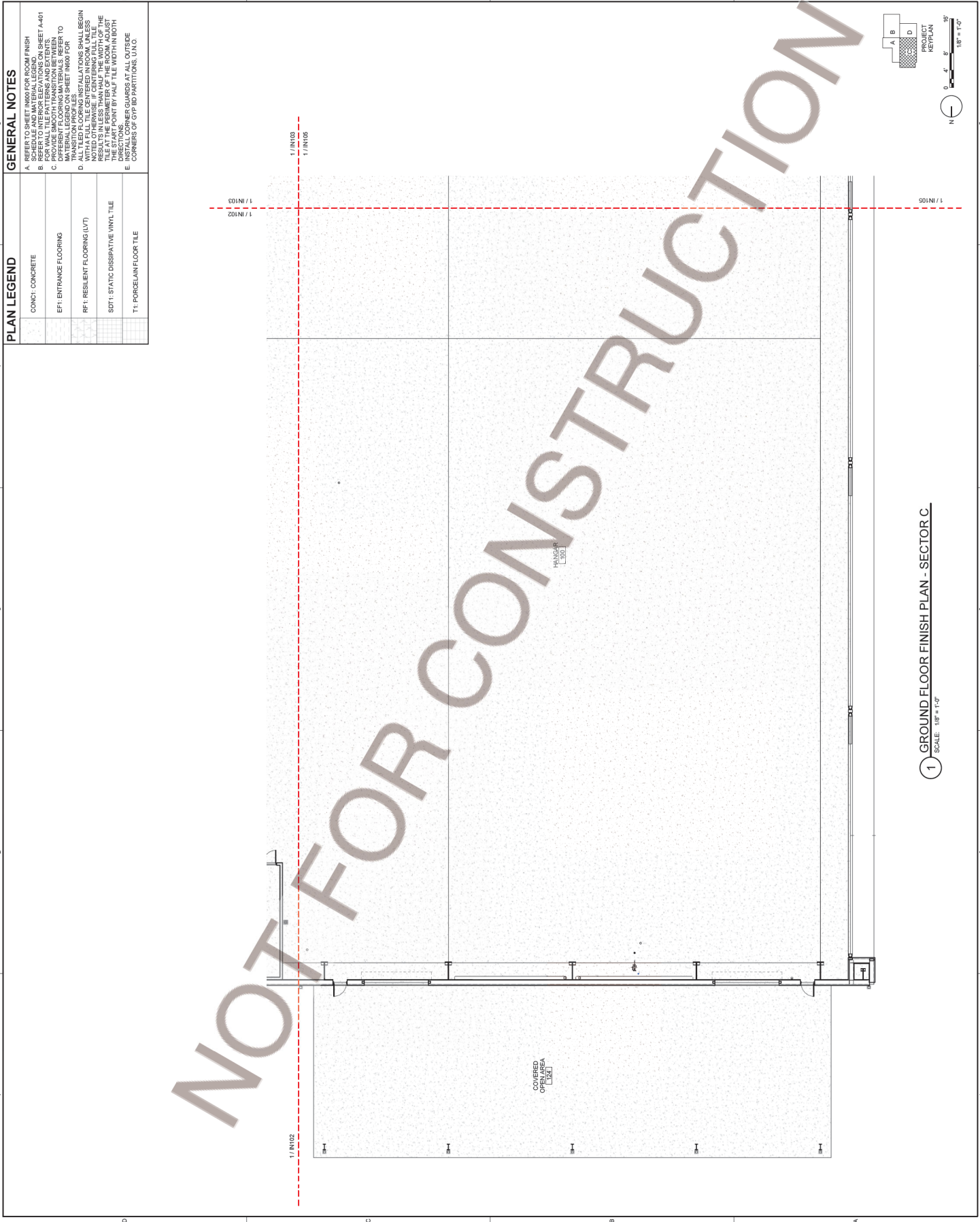
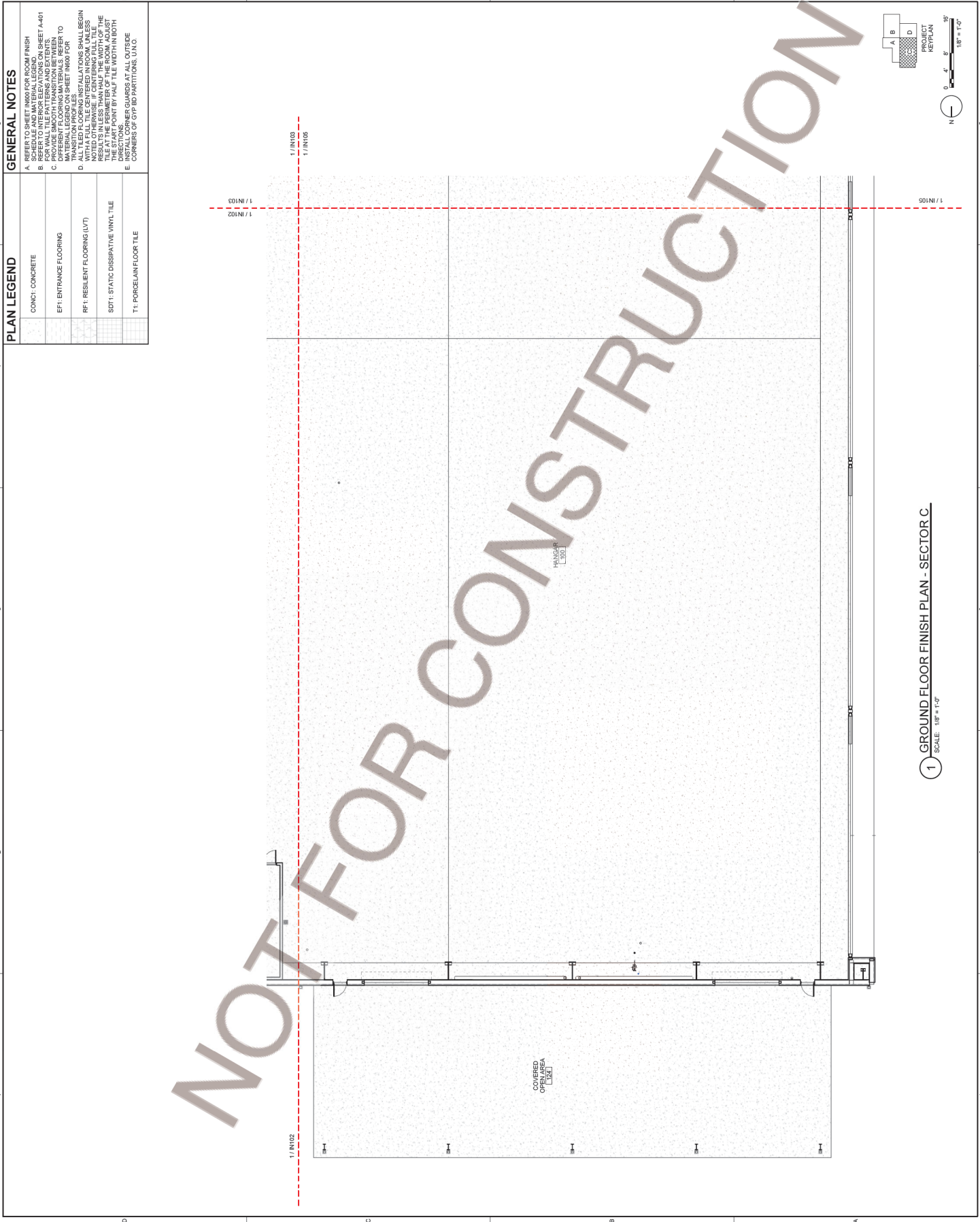
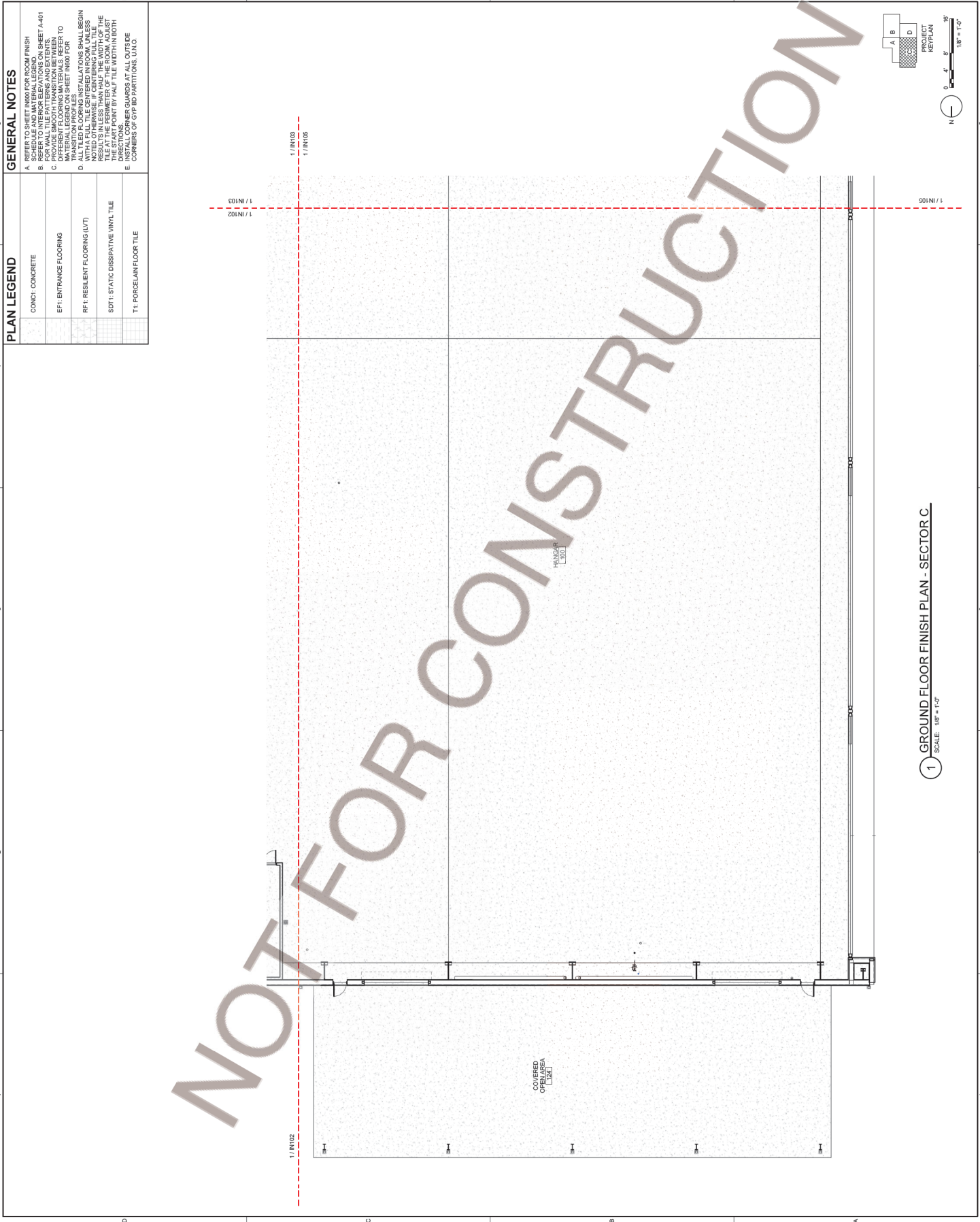
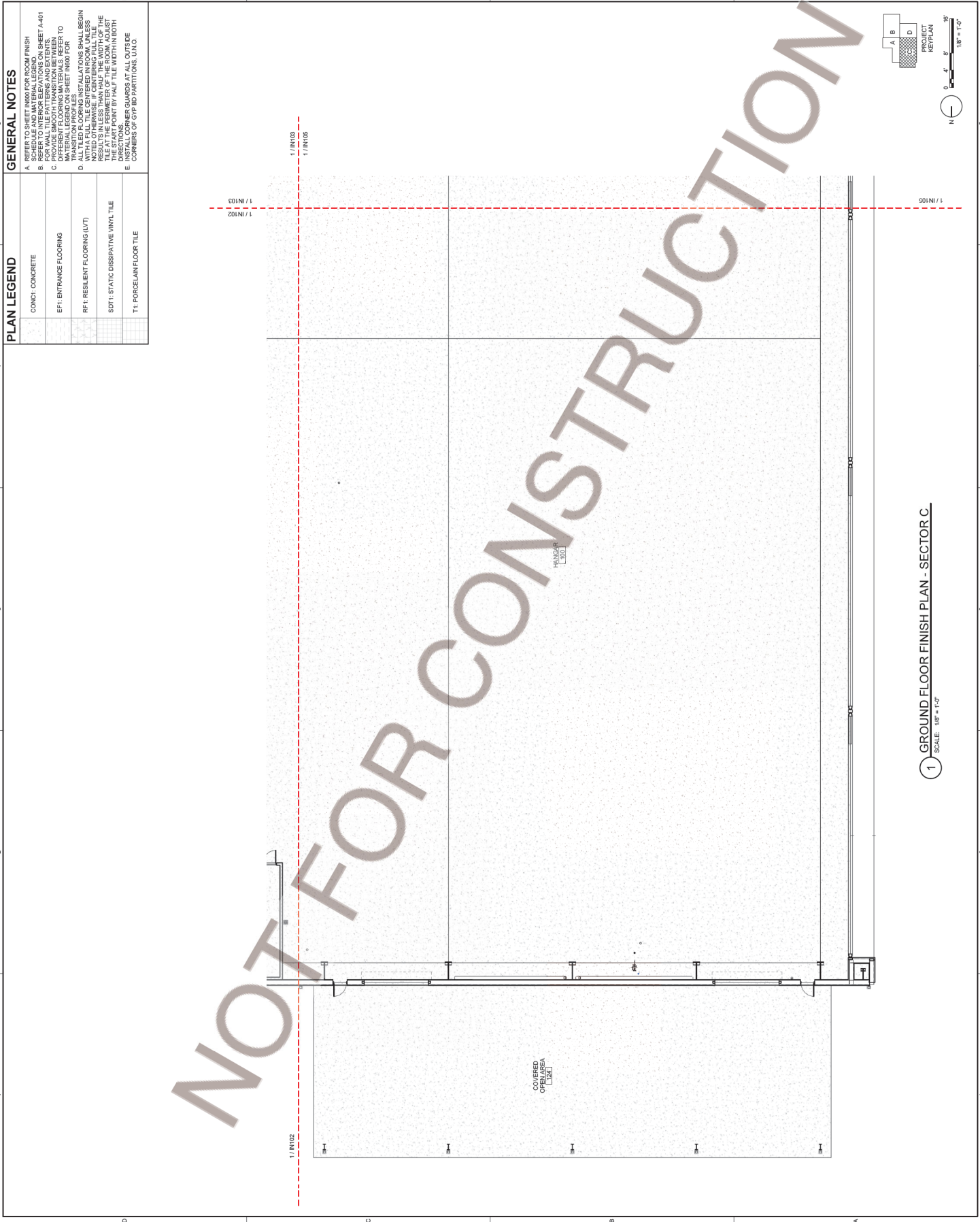
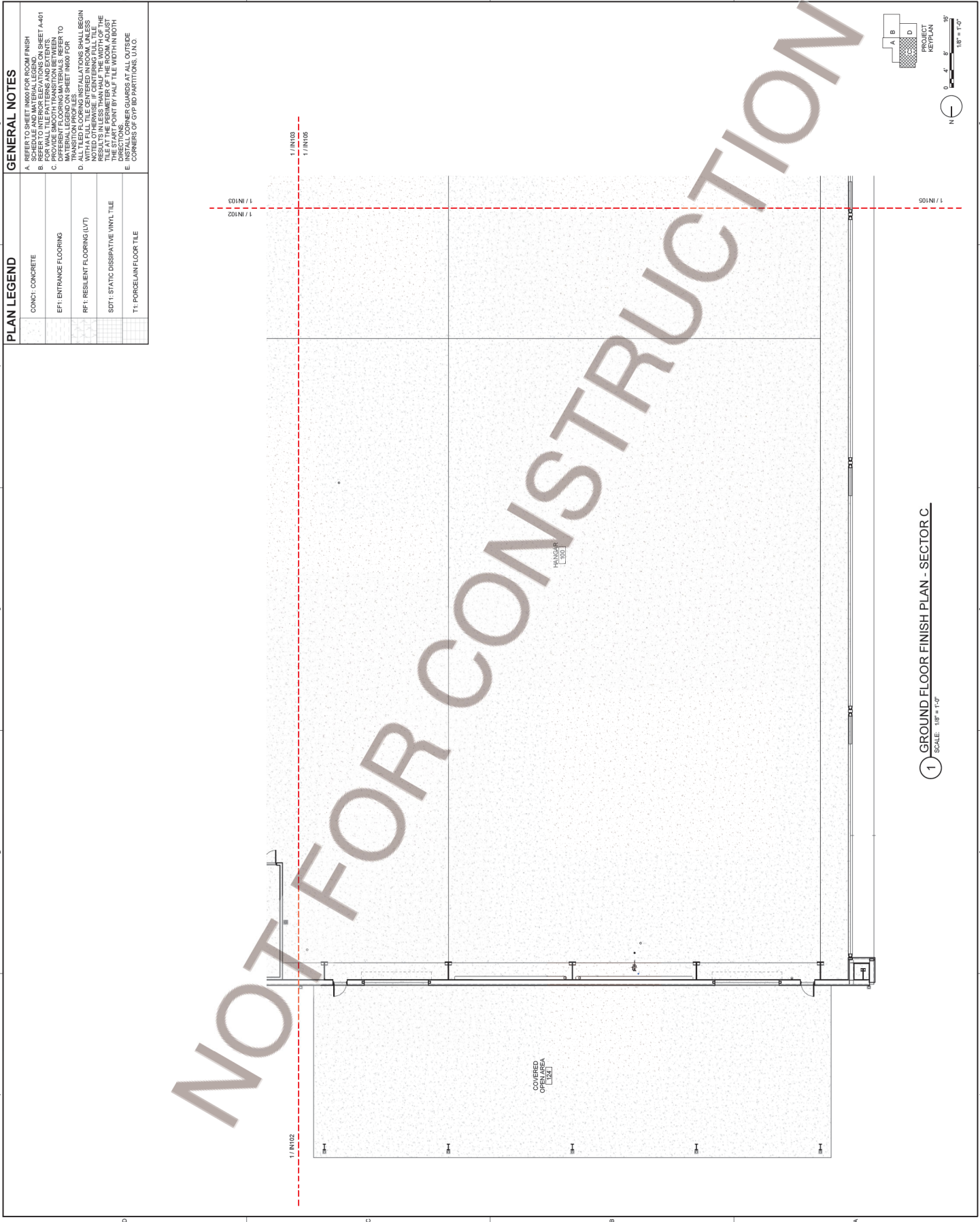
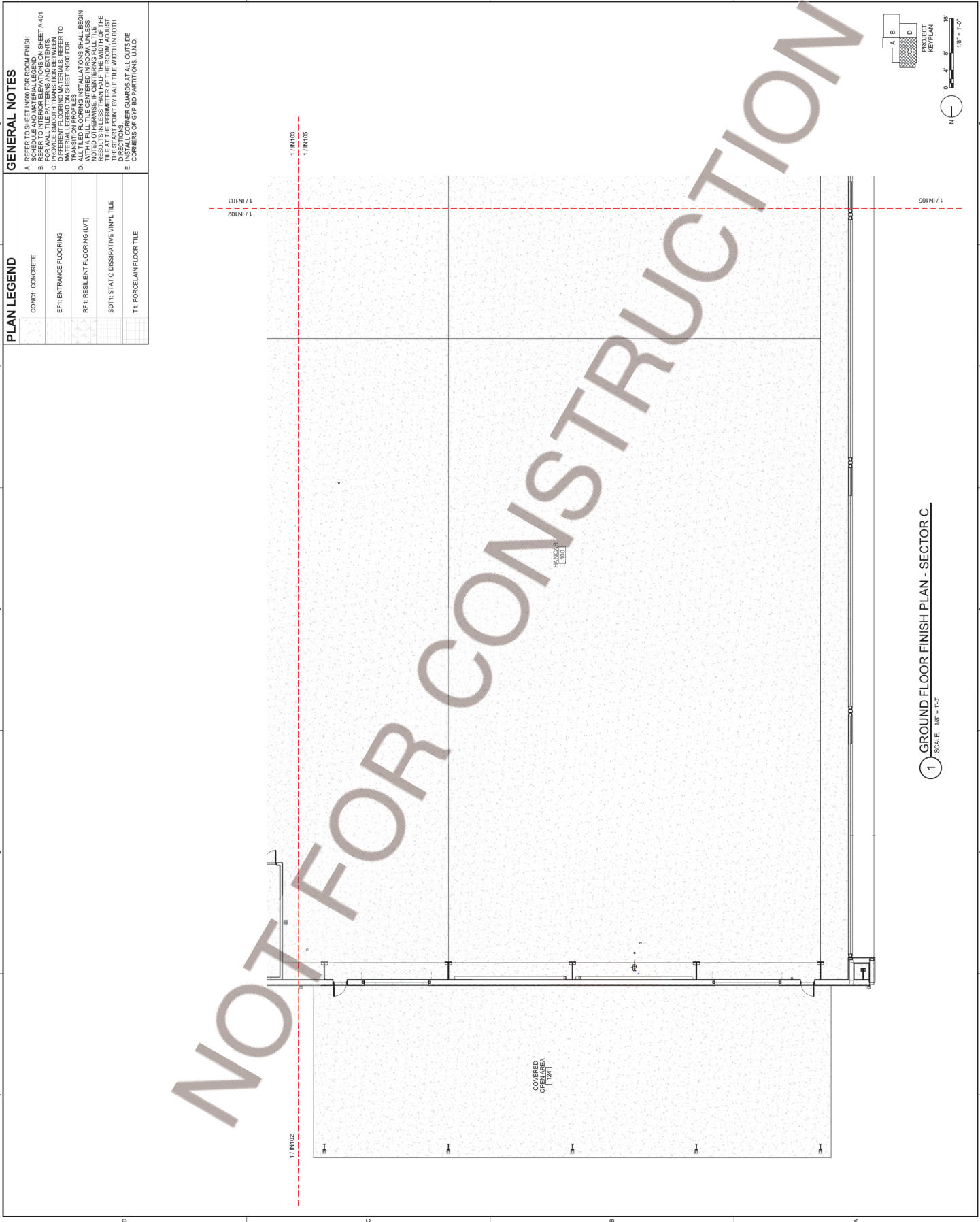
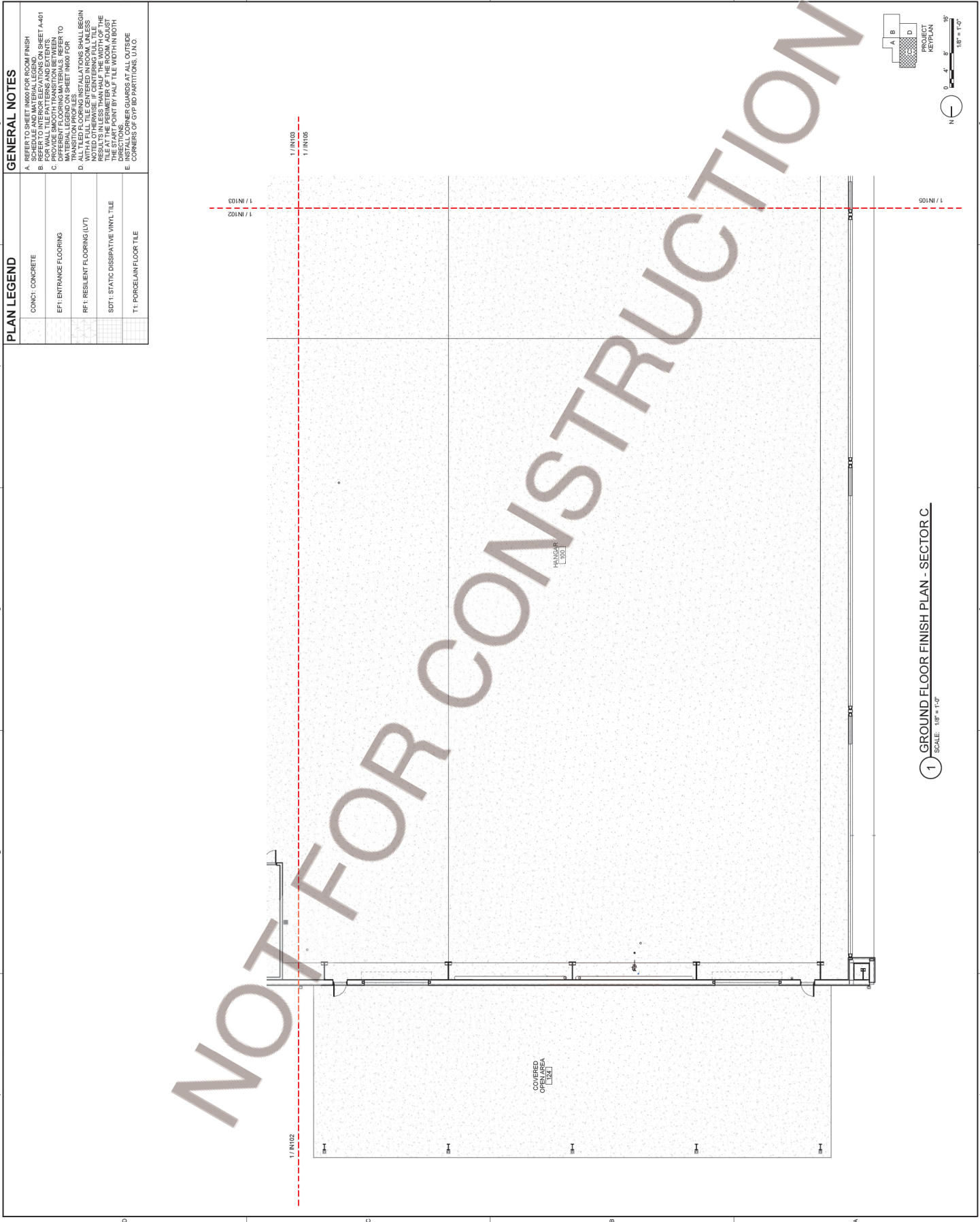
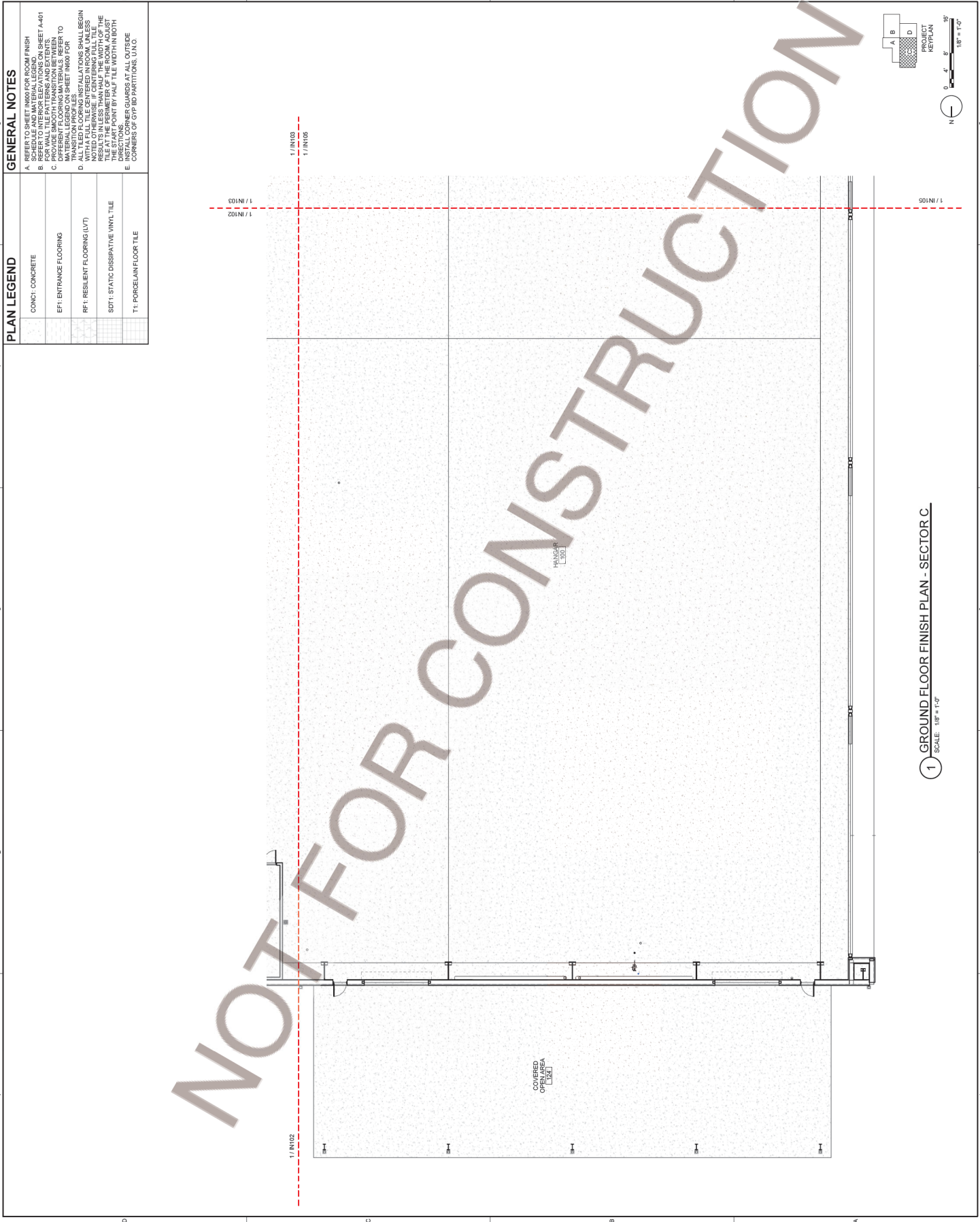
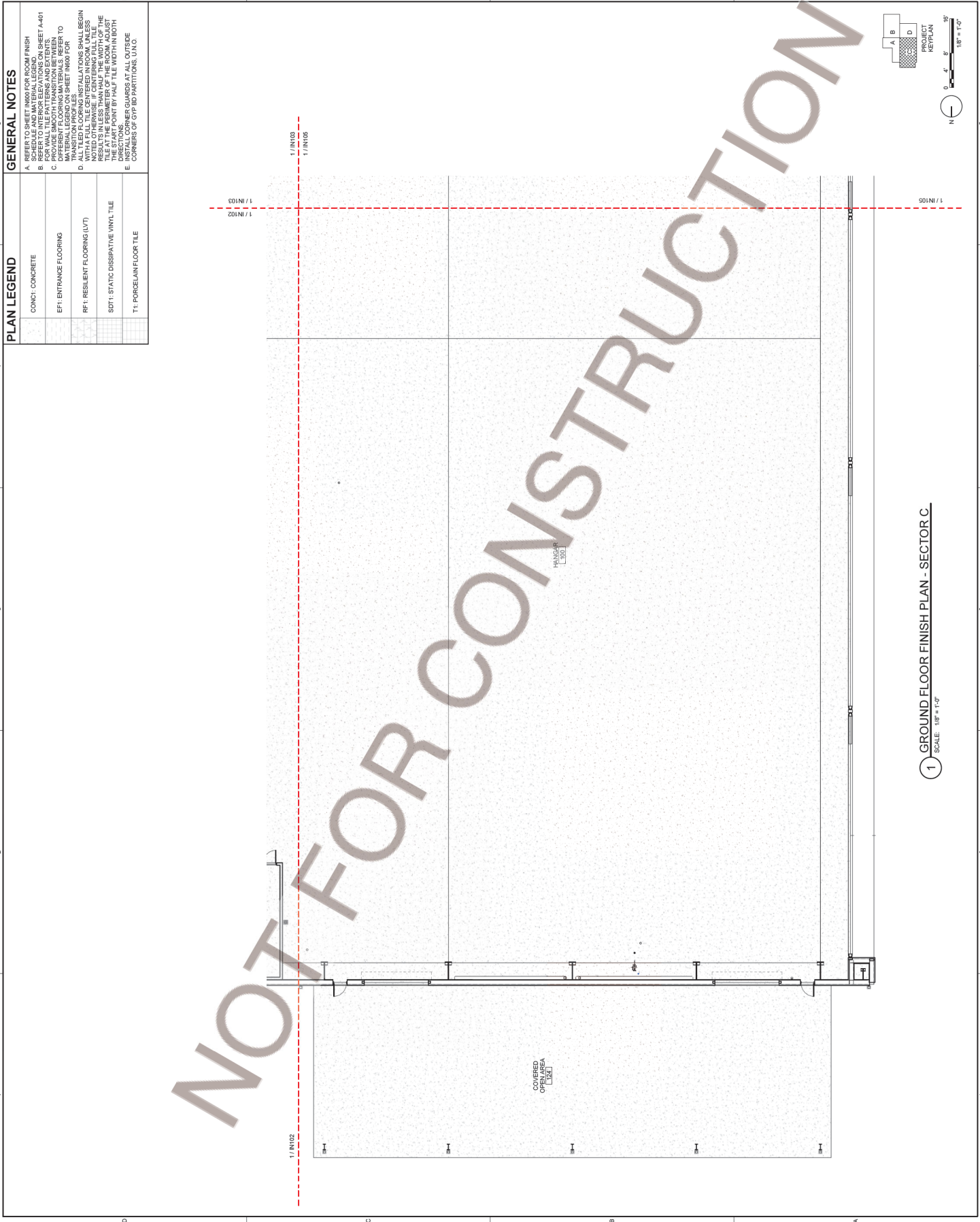
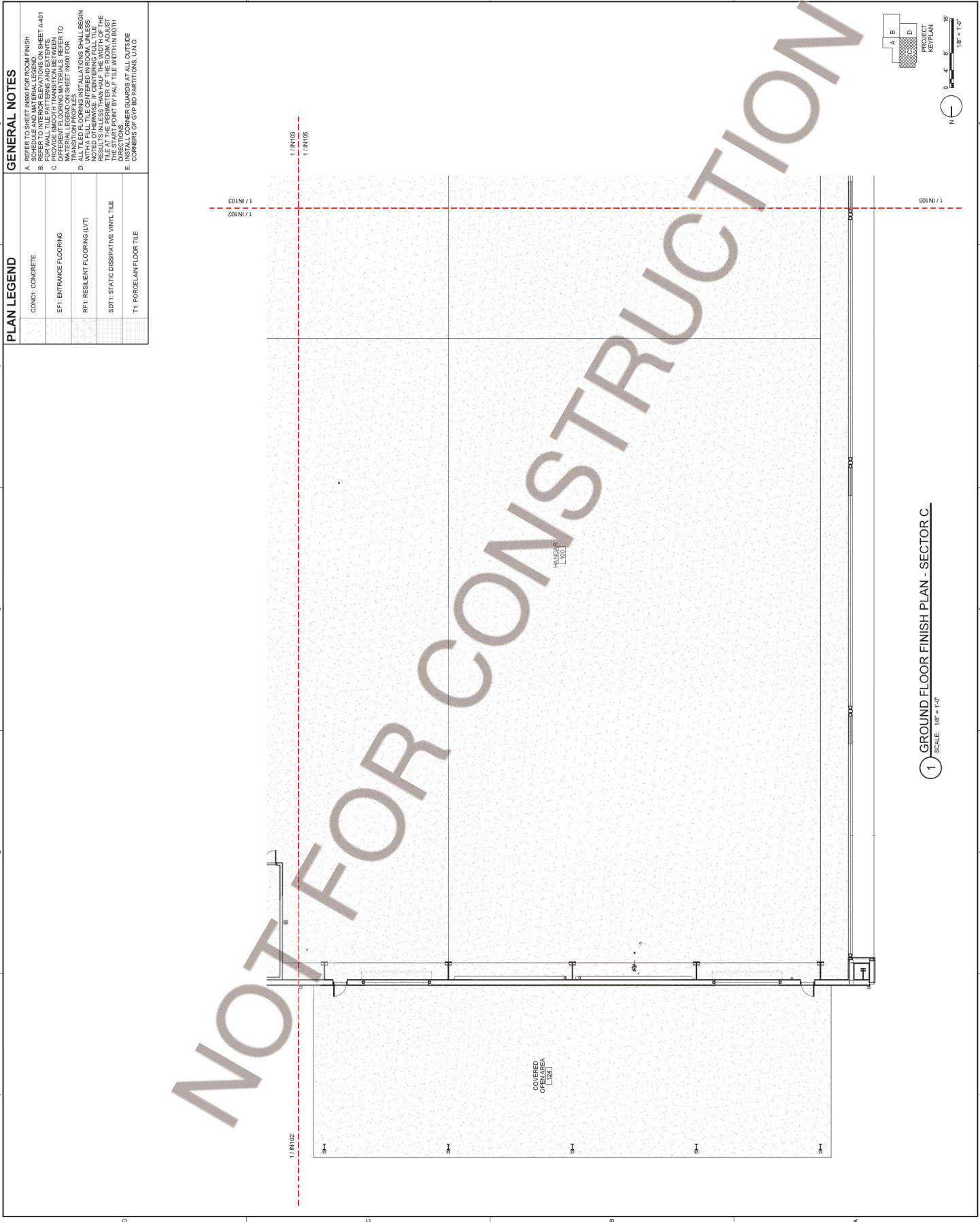
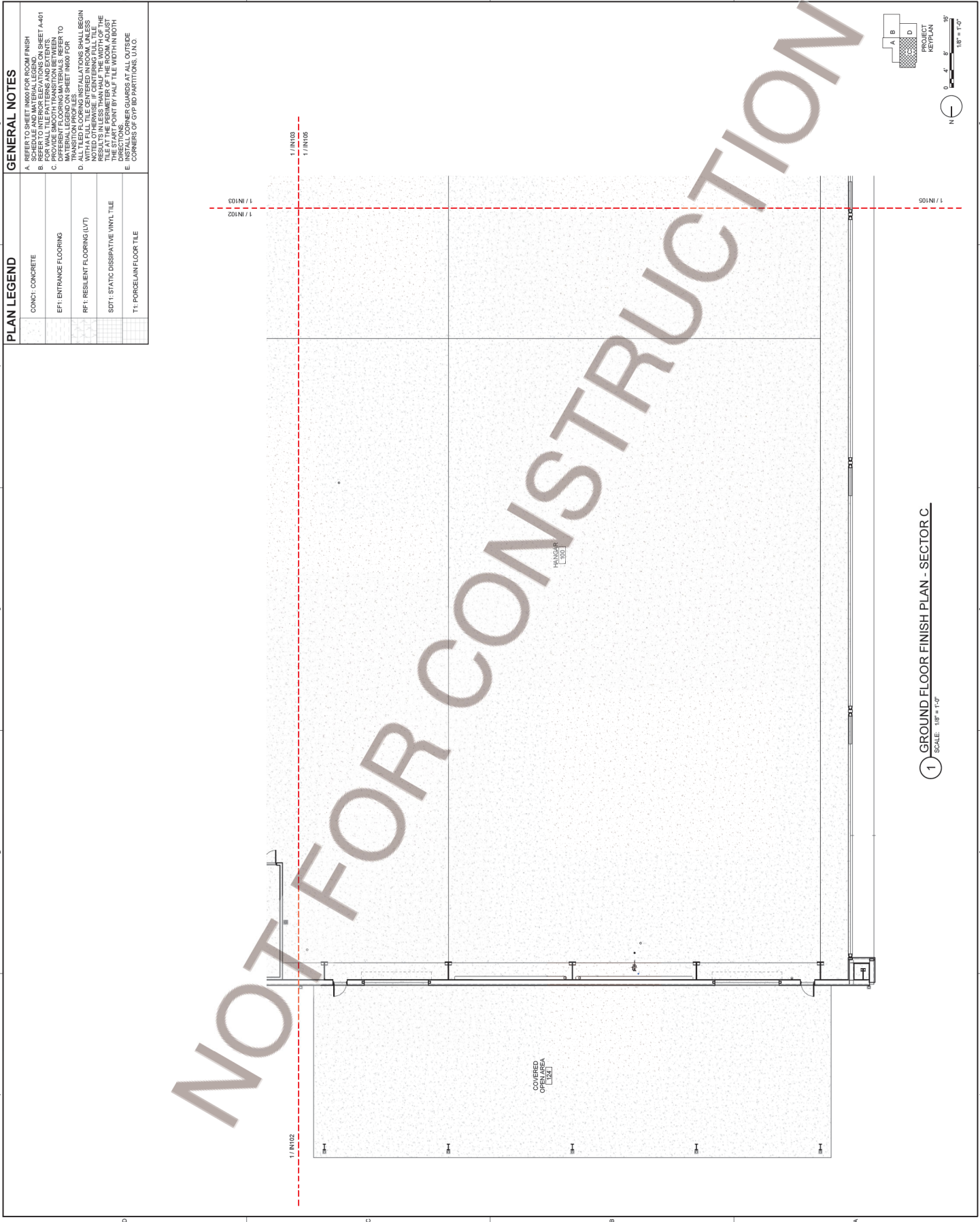
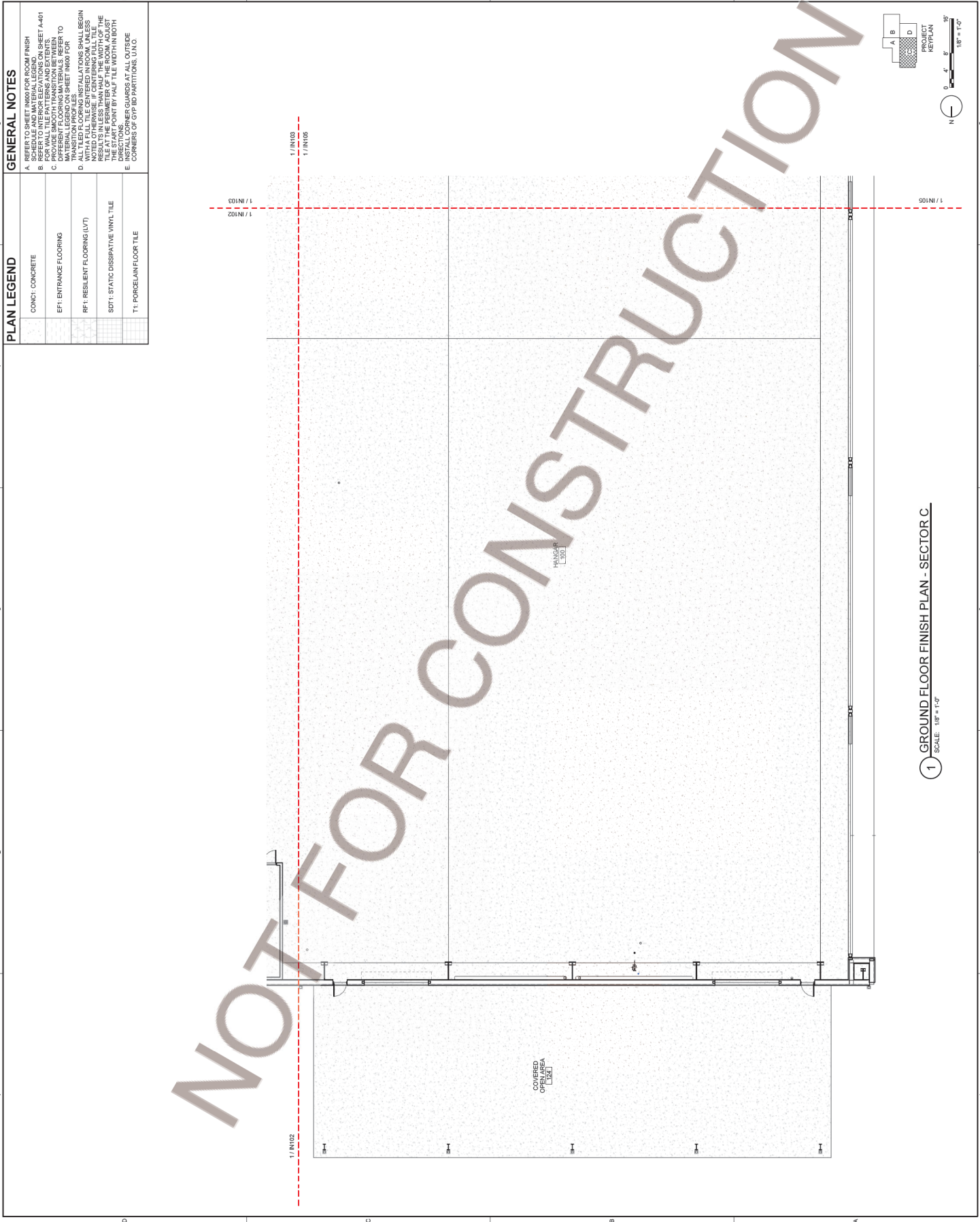
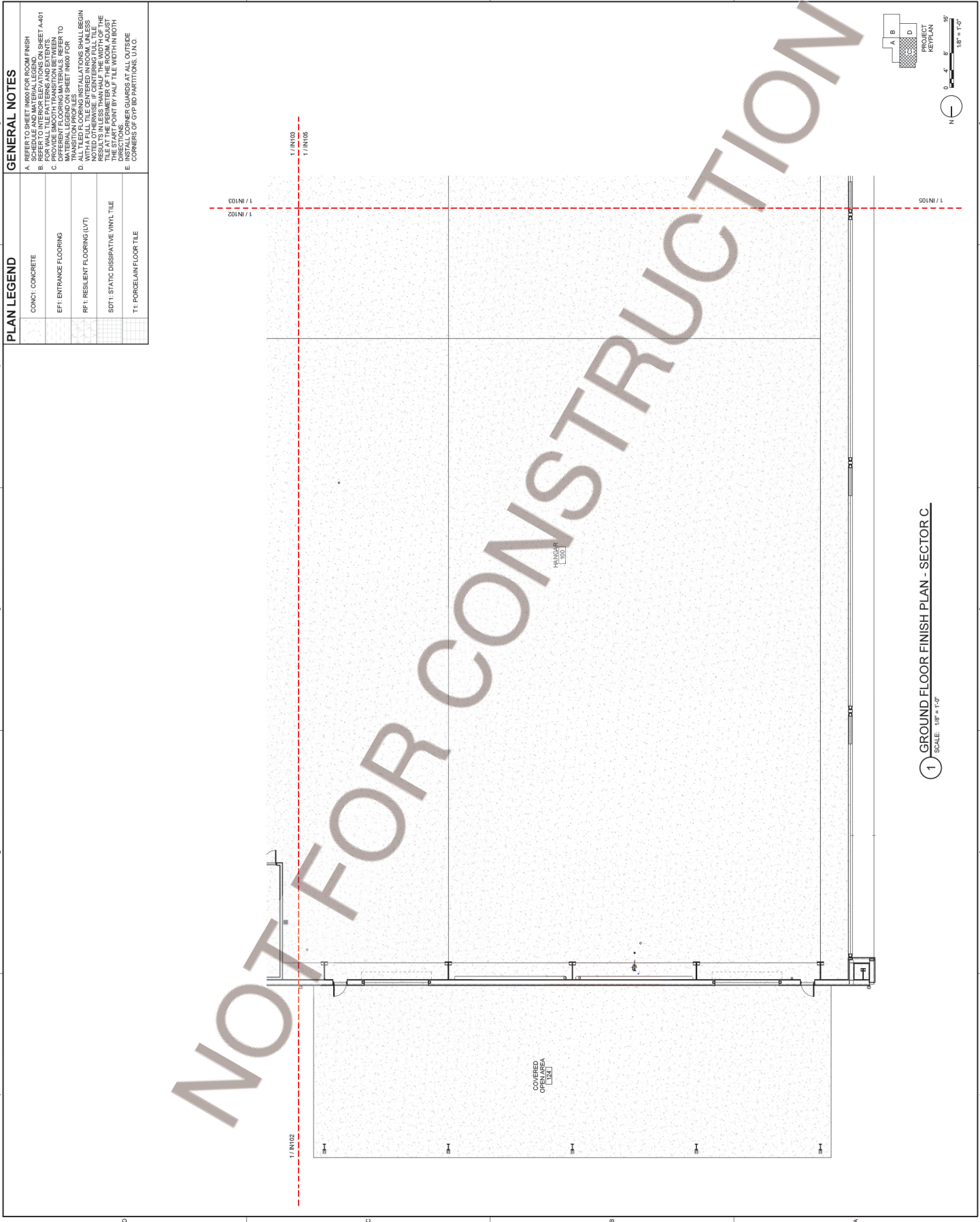
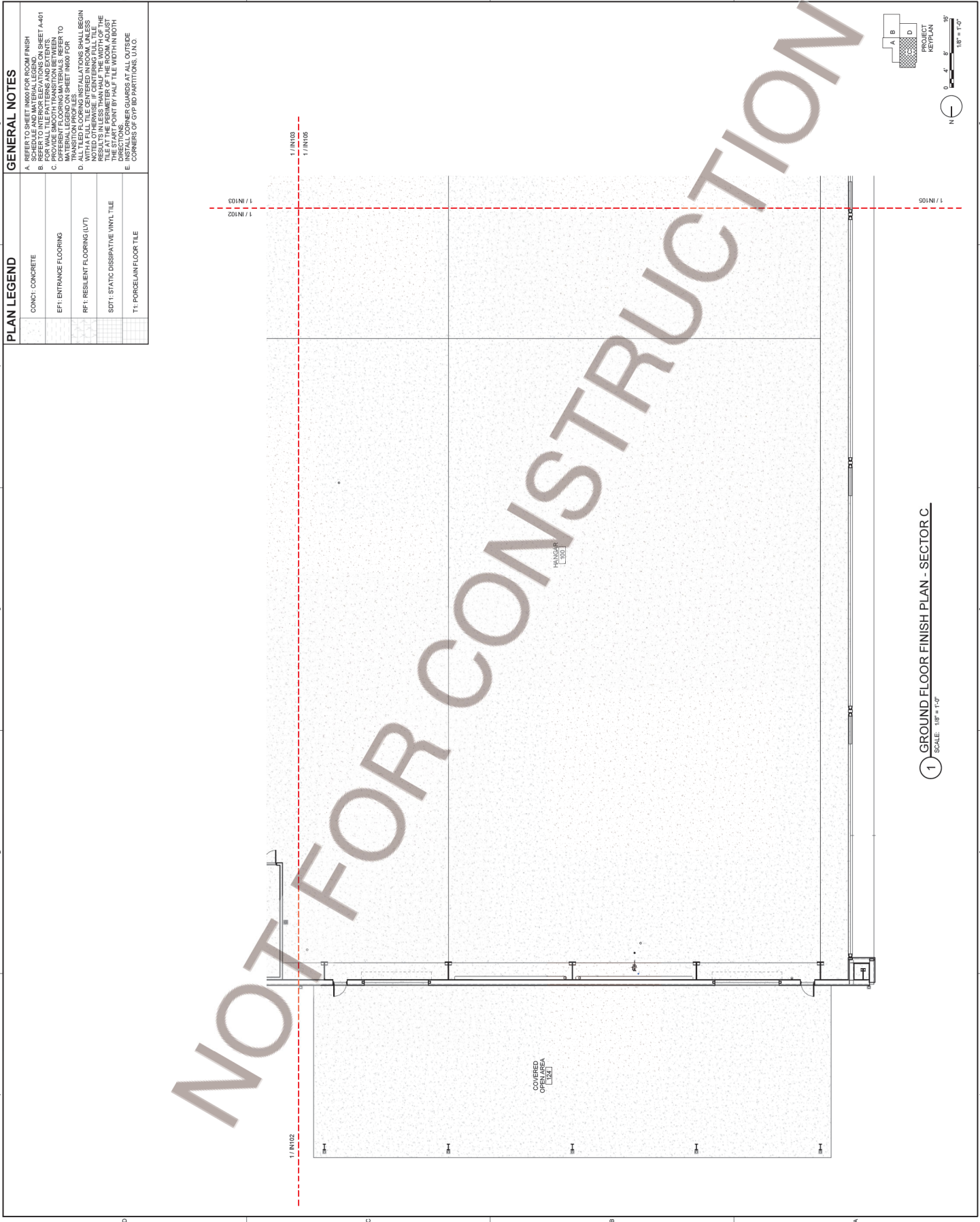
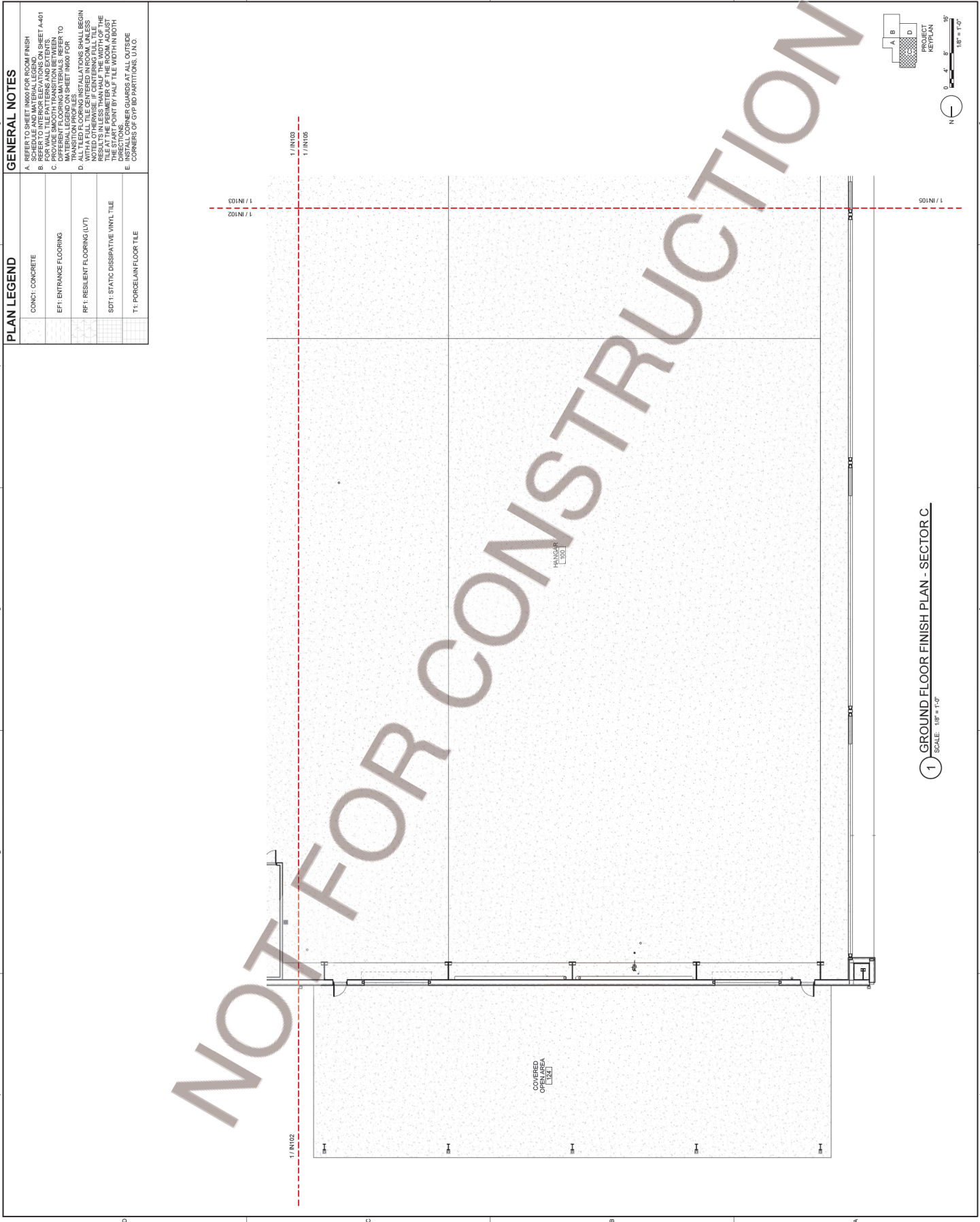
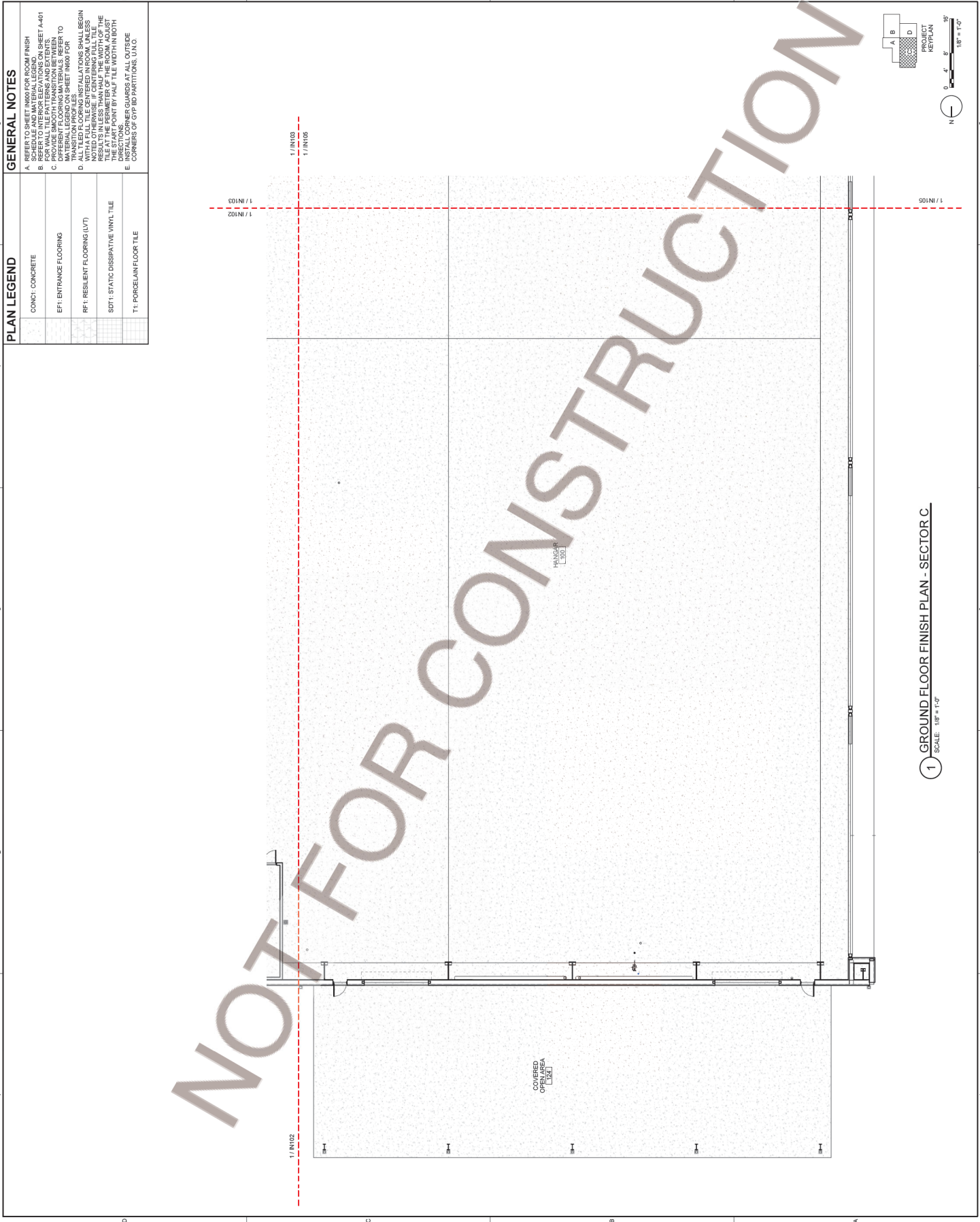
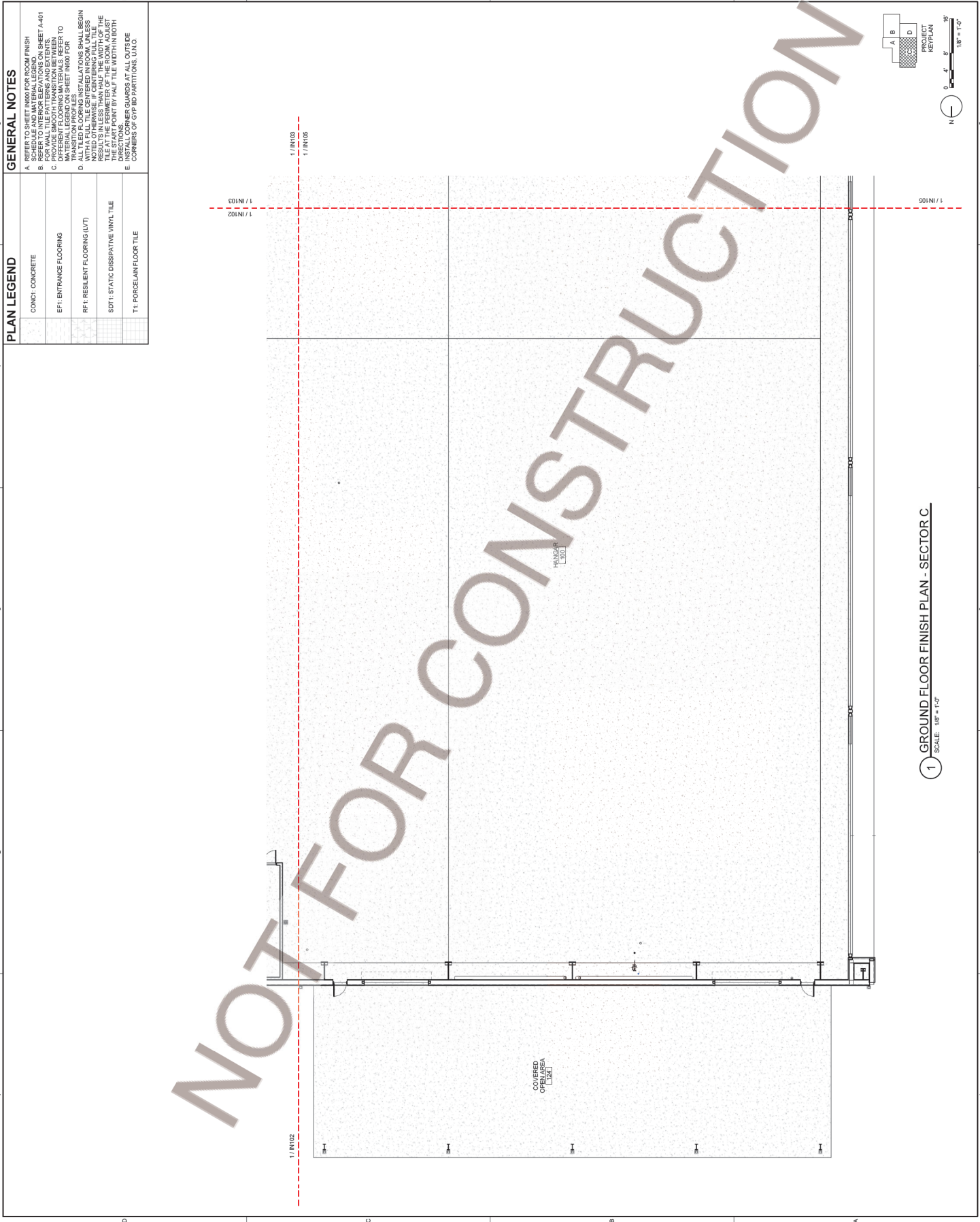
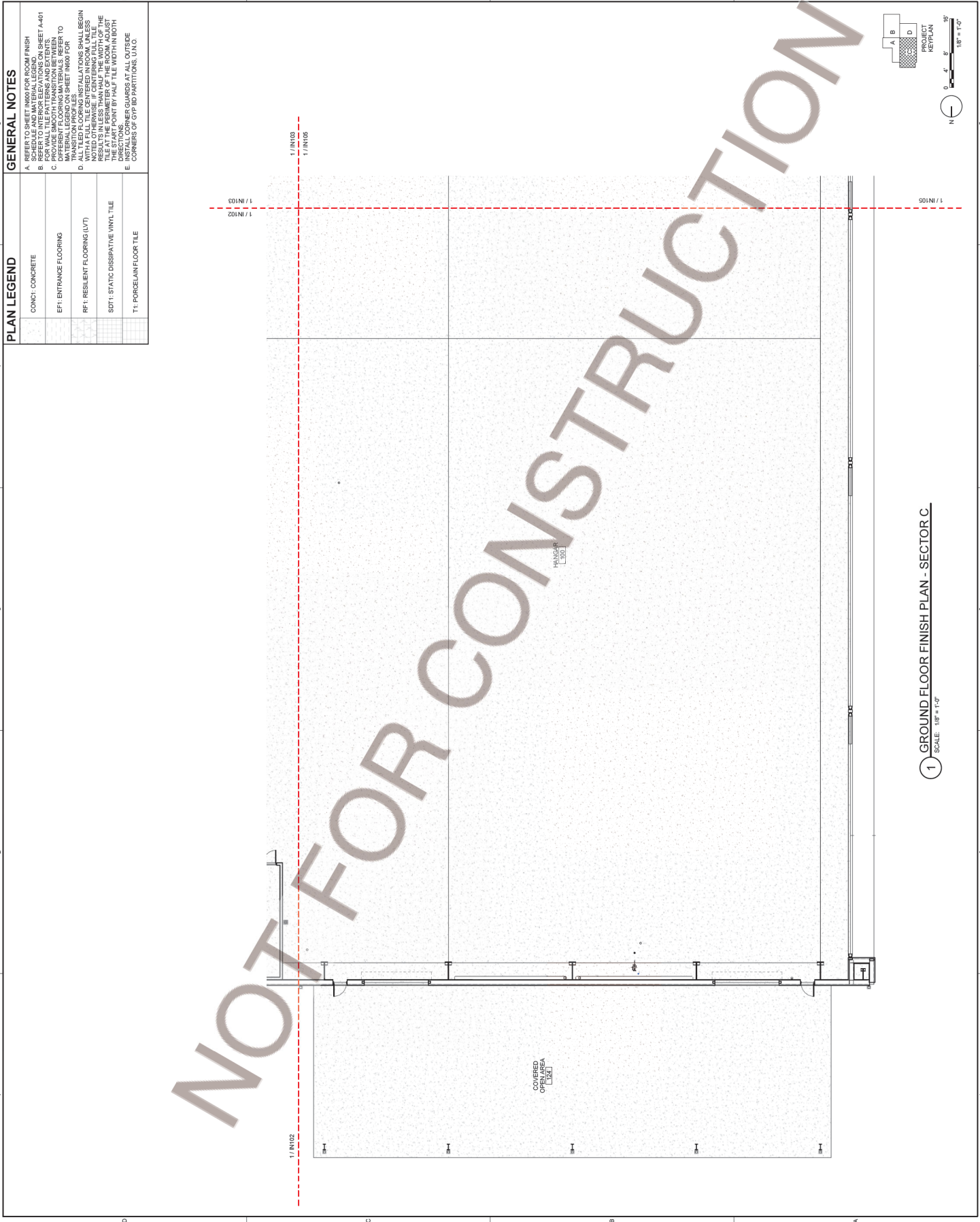
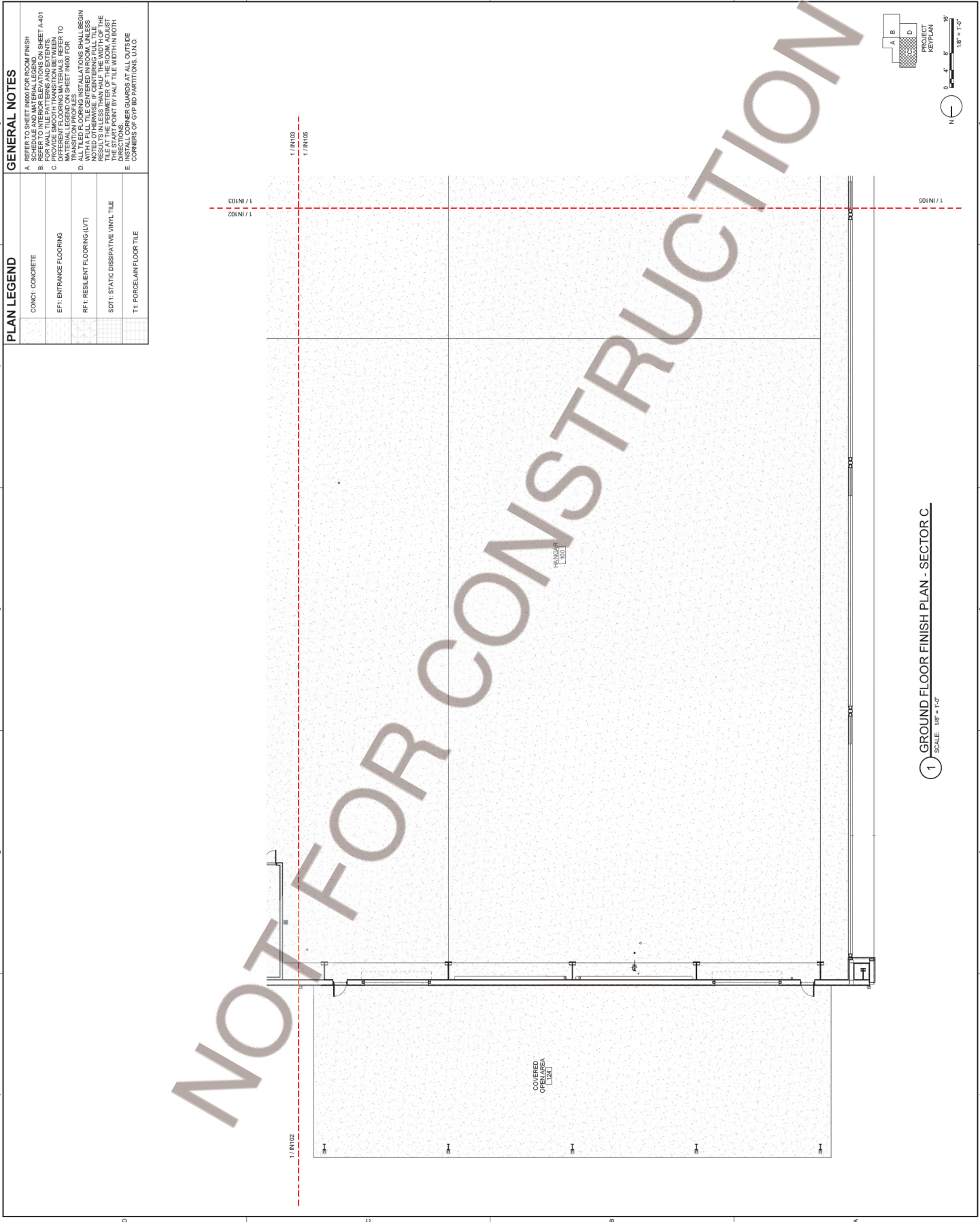
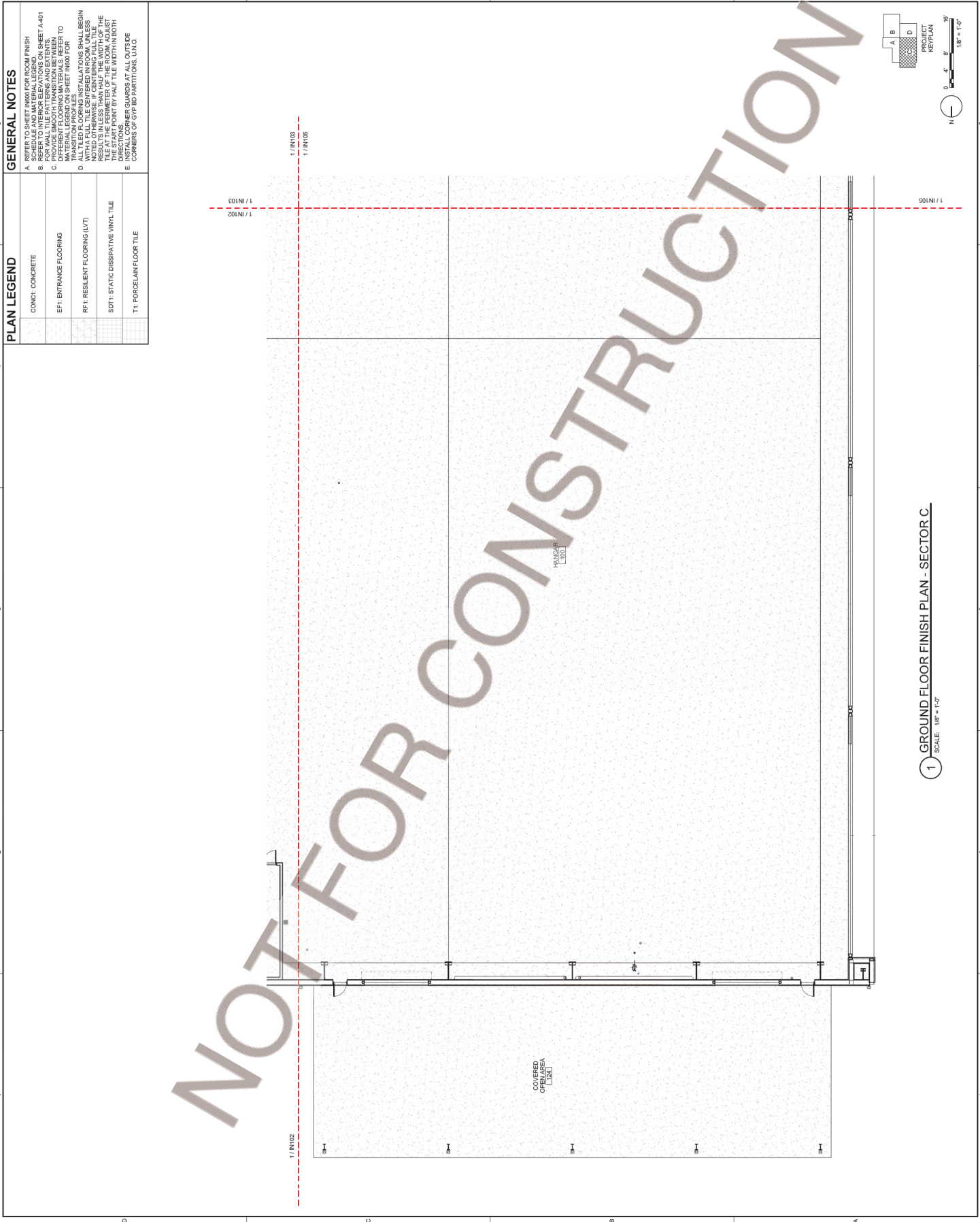
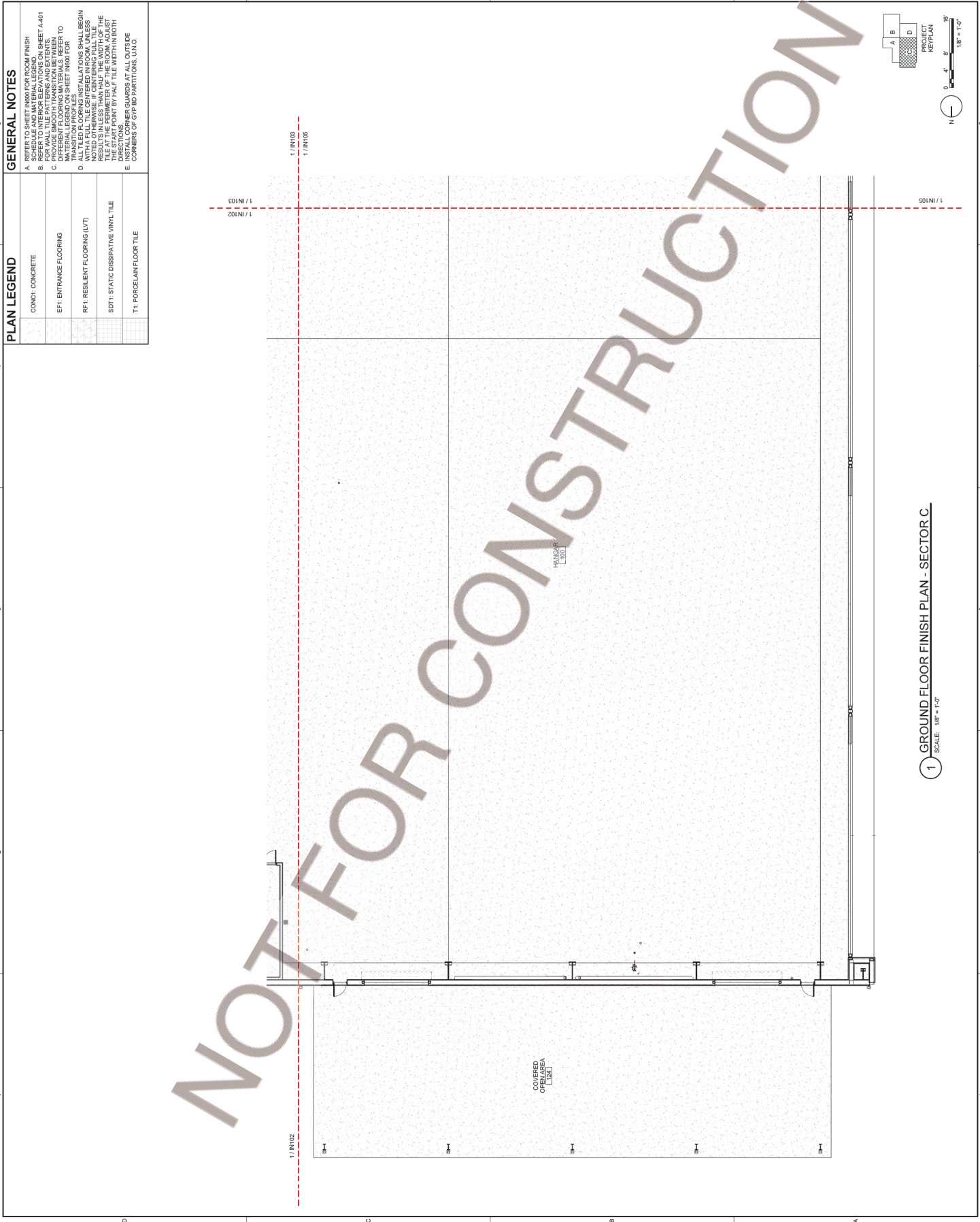
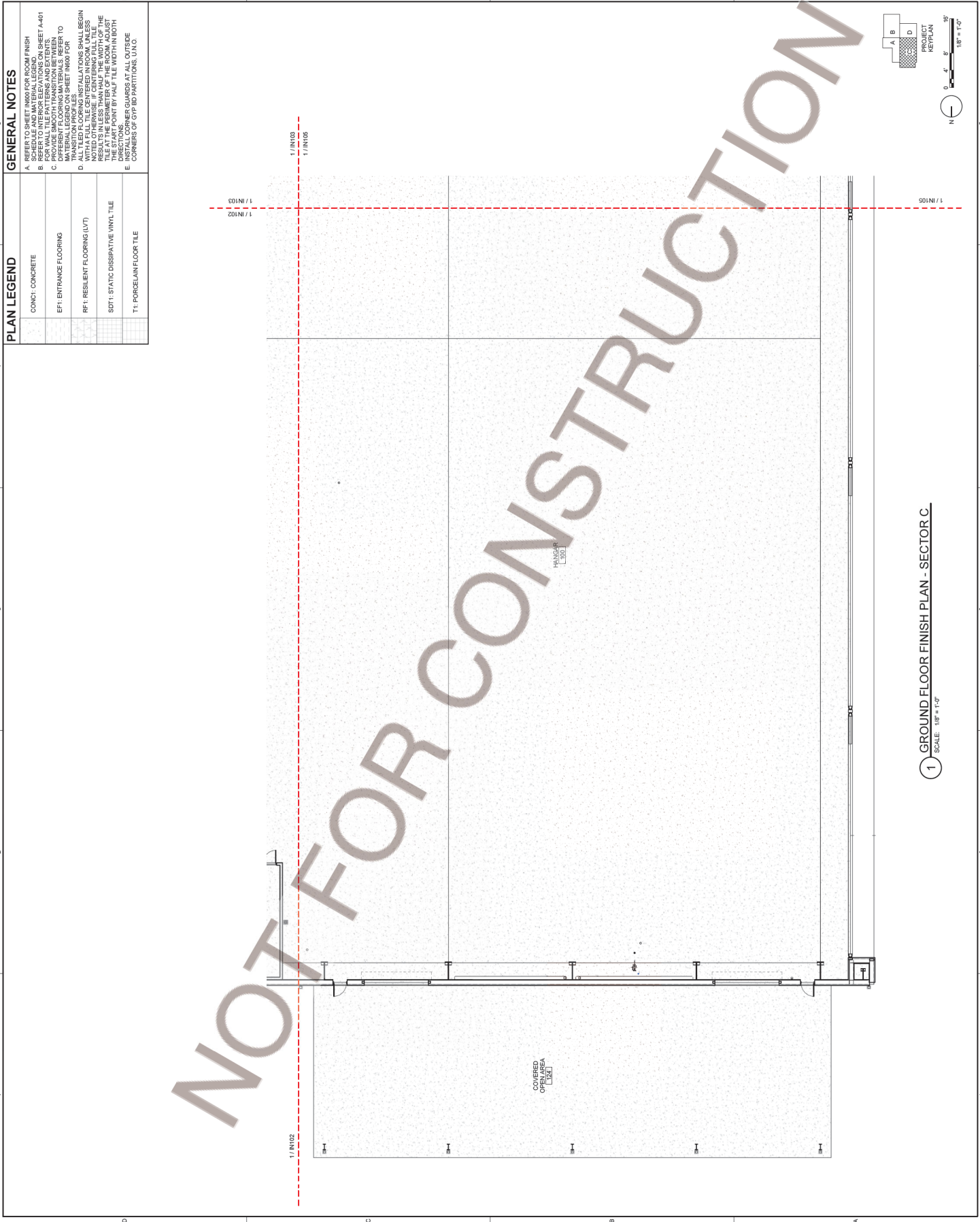
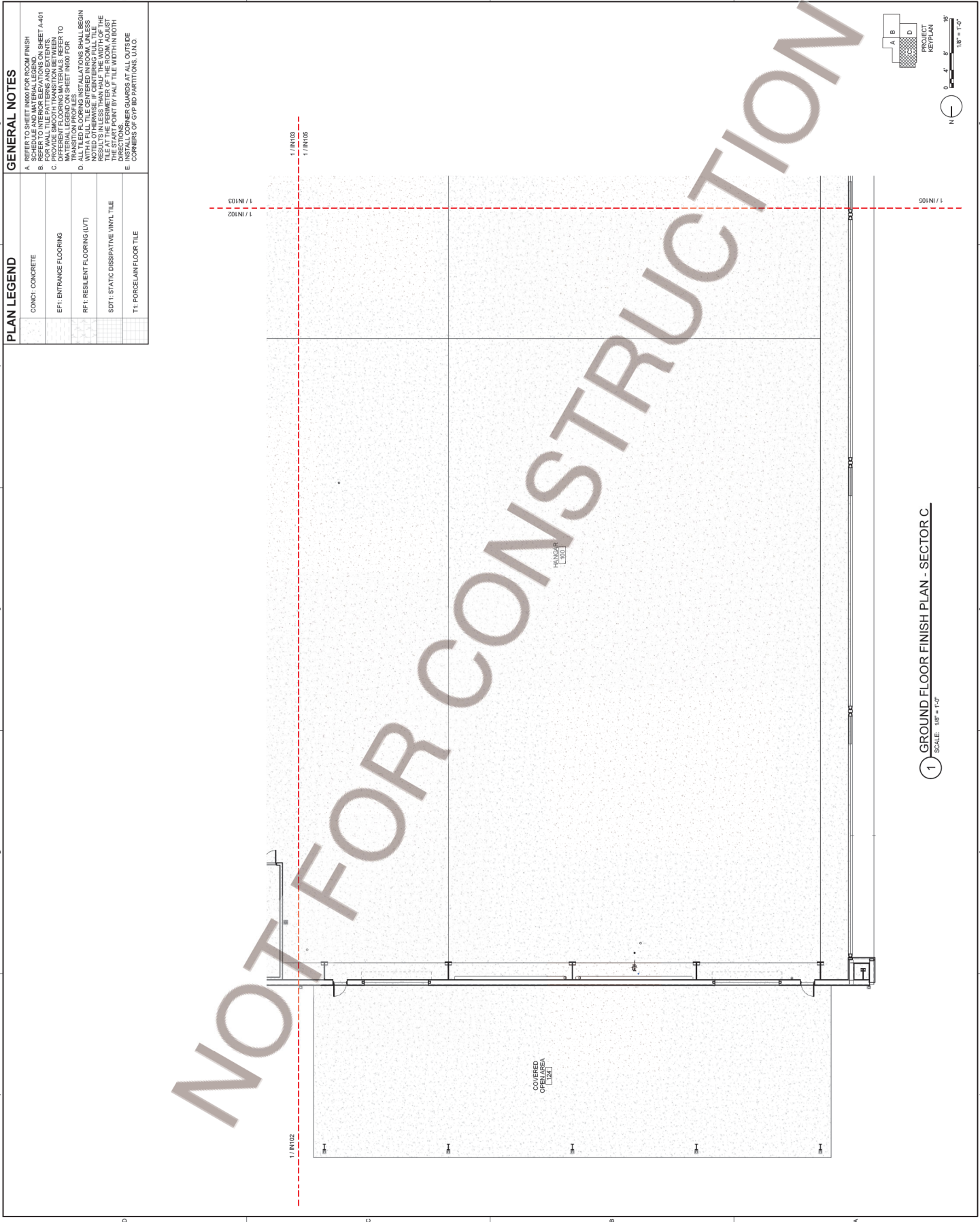
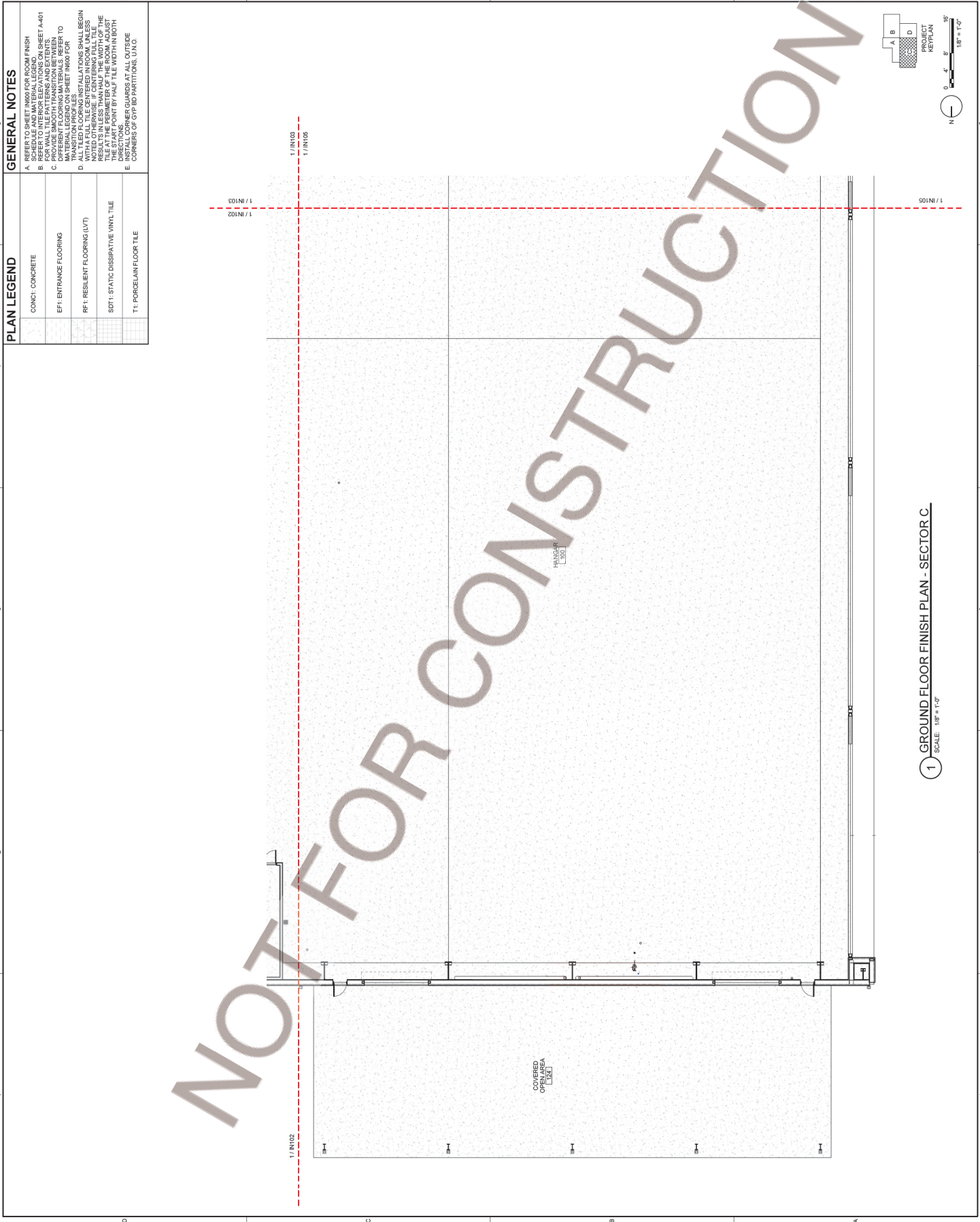
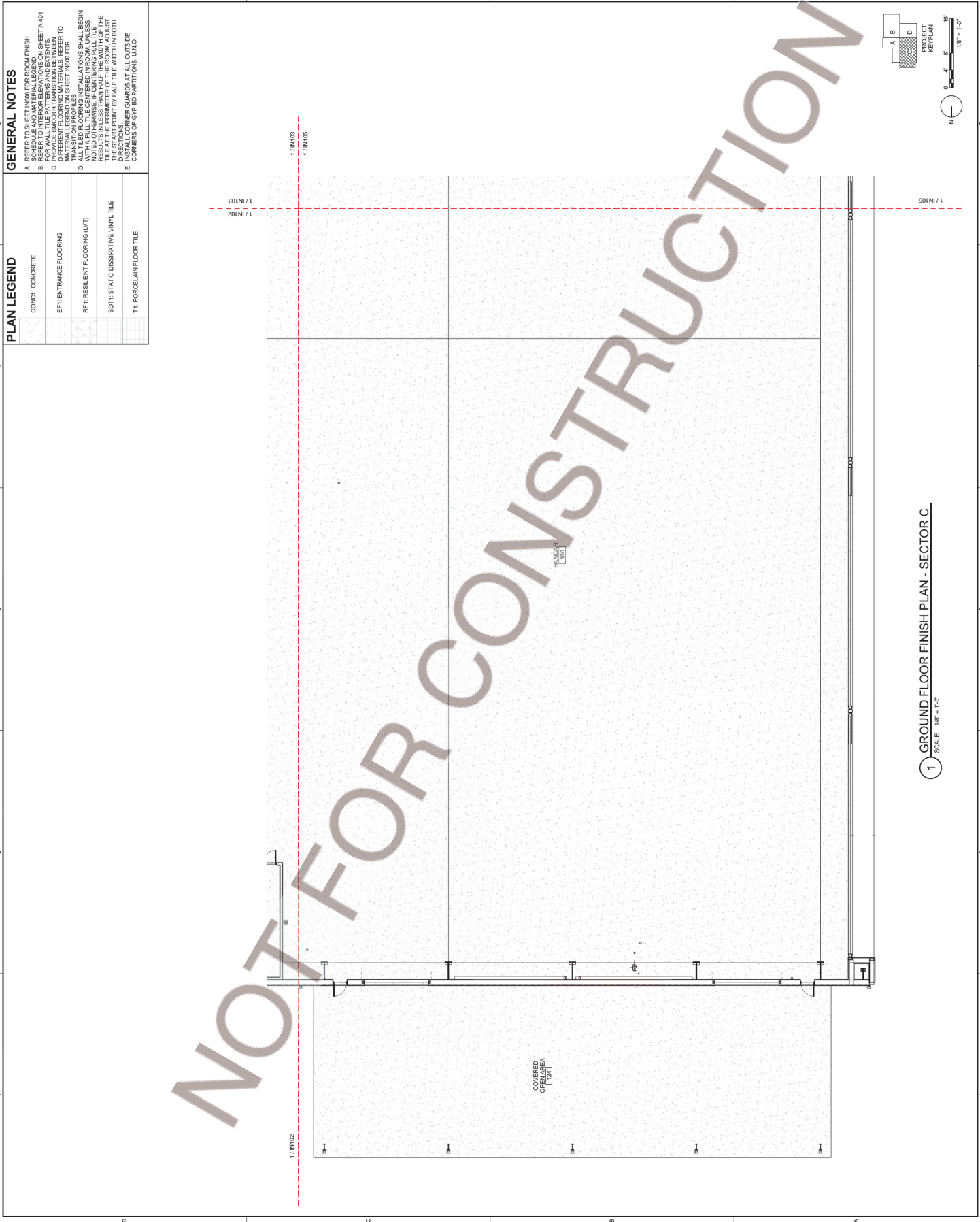
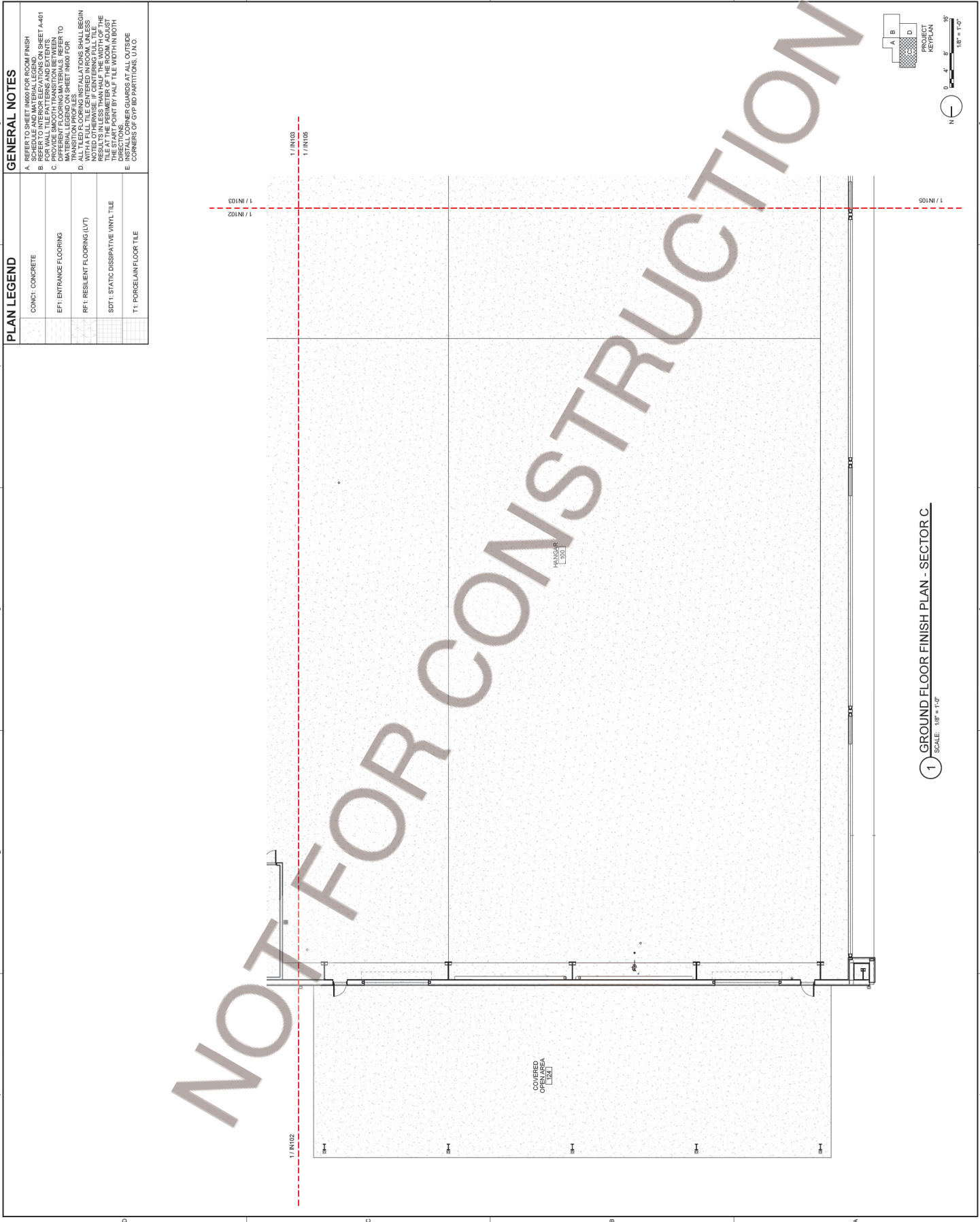
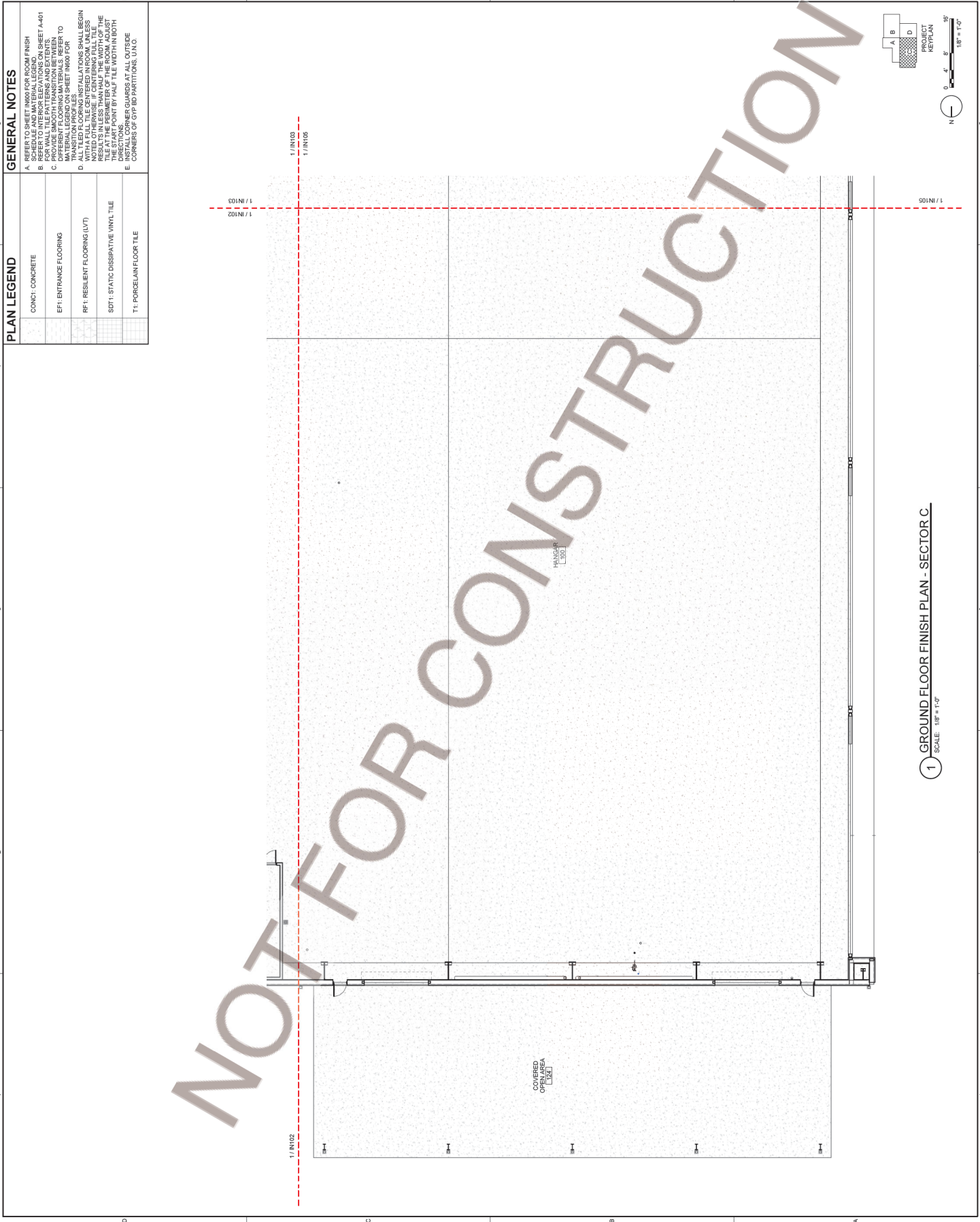
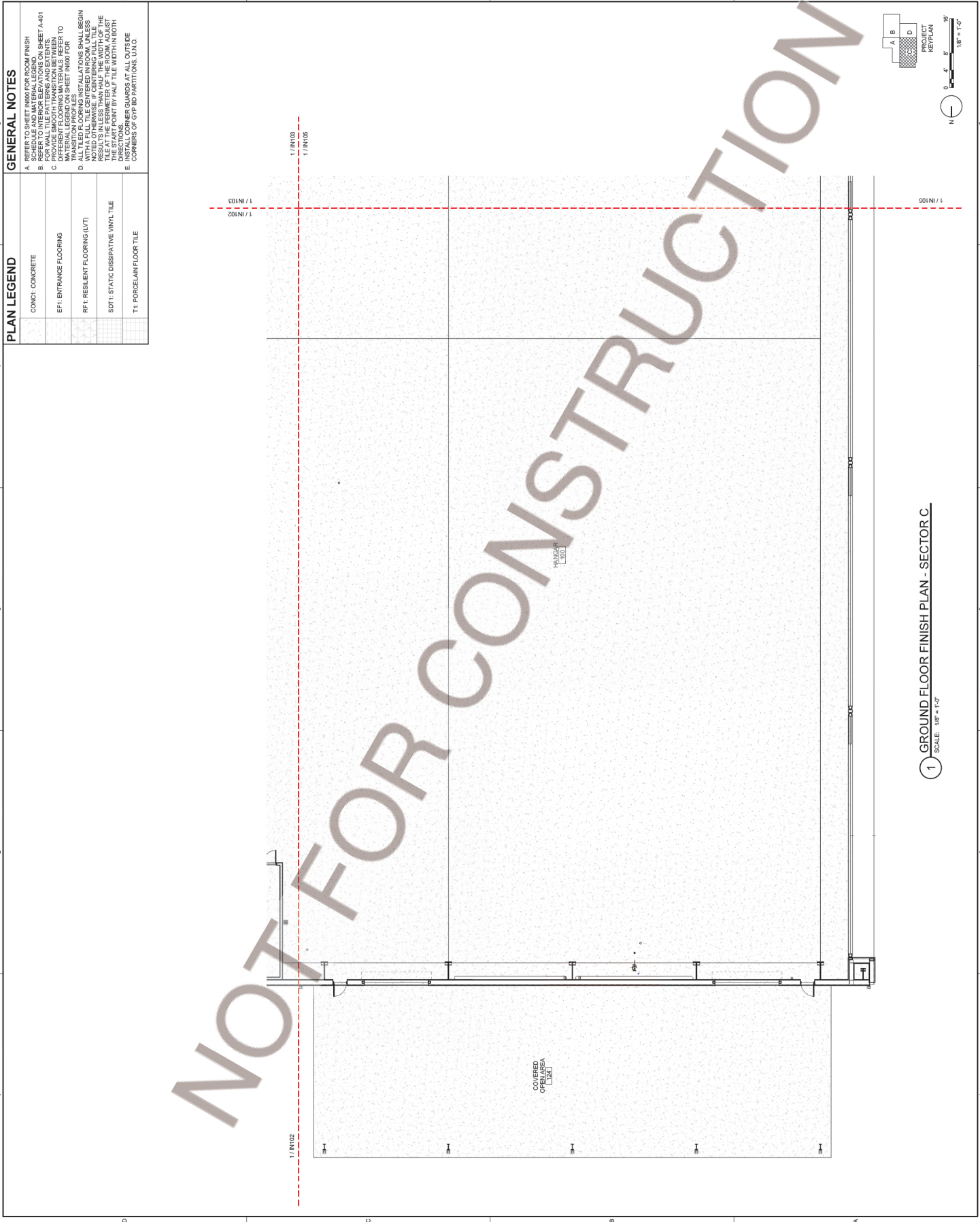
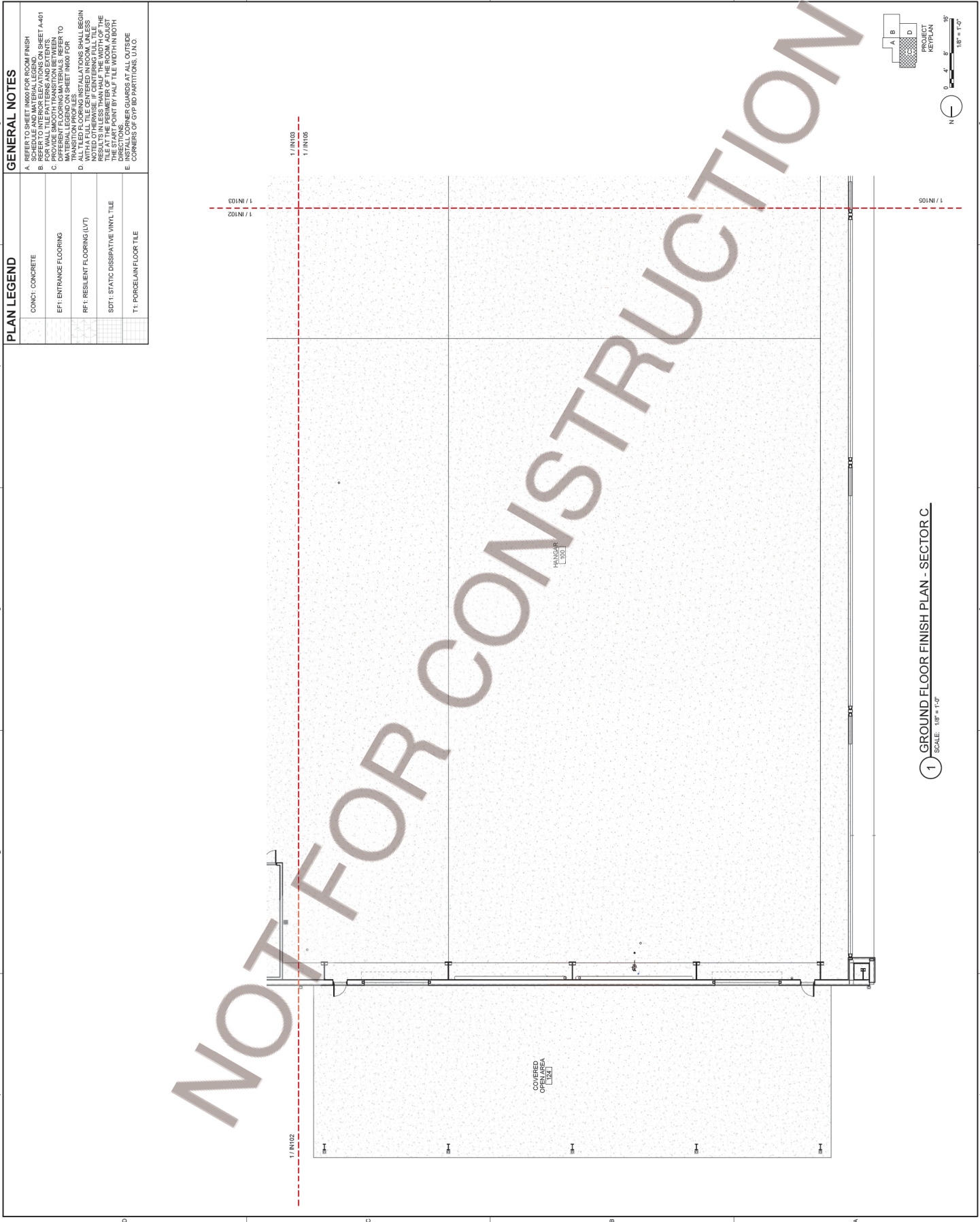
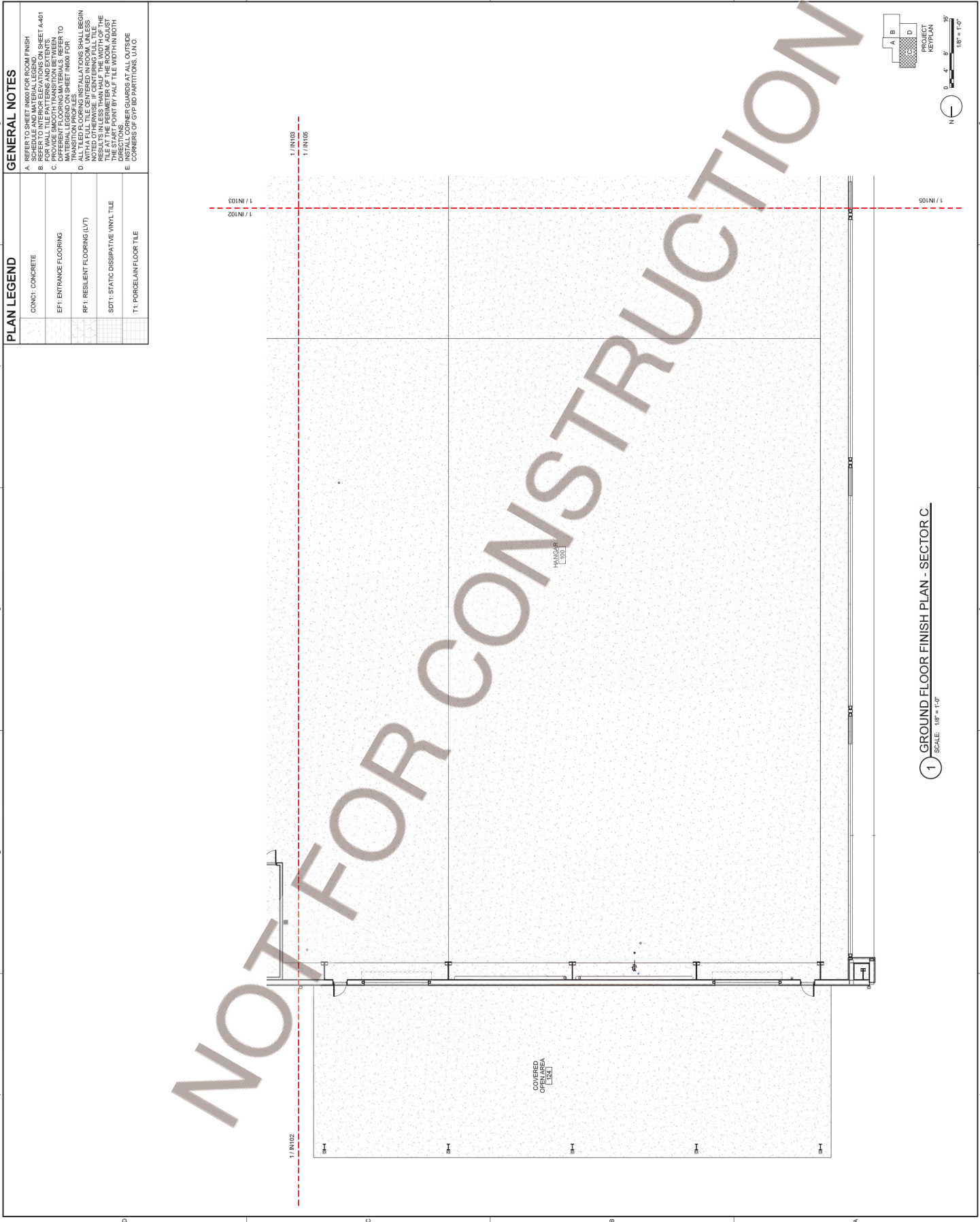
CONCL: CONCRETE
EFT: ENTRANCE FLOORING
RF: RESILIENT FLOORING (LVT)
SDT: STATIC DISSIPATIVE VINYL TILE
T: PORCELAIN FLOOR TILE

GENERAL NOTES

A. REFER TO SHEET IN000 FOR ROOM FINISH  
B. REFER TO INTERIOR ELEVATIONS ON SHEET A-401  
FOR WALL TILE PATTERNS AND EXTENTS  
C. DIFFERENT FLOORING MATERIALS. REFER TO  
TRANSITION PROFILES  
D. ALL TILED FLOORING INSTALLATIONS SHALL BEGIN  
FROM THE EXTERIOR WALL AND PROCEED  
NOTED OTHERWISE. IF CENTERING FULL TILE  
E. THE START POINT BY HALF TILE WIDTH IN BOTH  
CORNERS OF GYP BD PARTITIONS, U.N.O.



1 GROUND FLOOR FINISH PLAN - SECTOR C  
SCALE: 1/8" = 1'-0"





PLAN LEGEND

CONCL: CONCRETE

EFT: ENTRANCE FLOORING

RF: RESILIENT FLOORING (LVT)

SDT: STATIC DISSIPATIVE VINYL TILE

T1: PORCELAIN FLOOR TILE

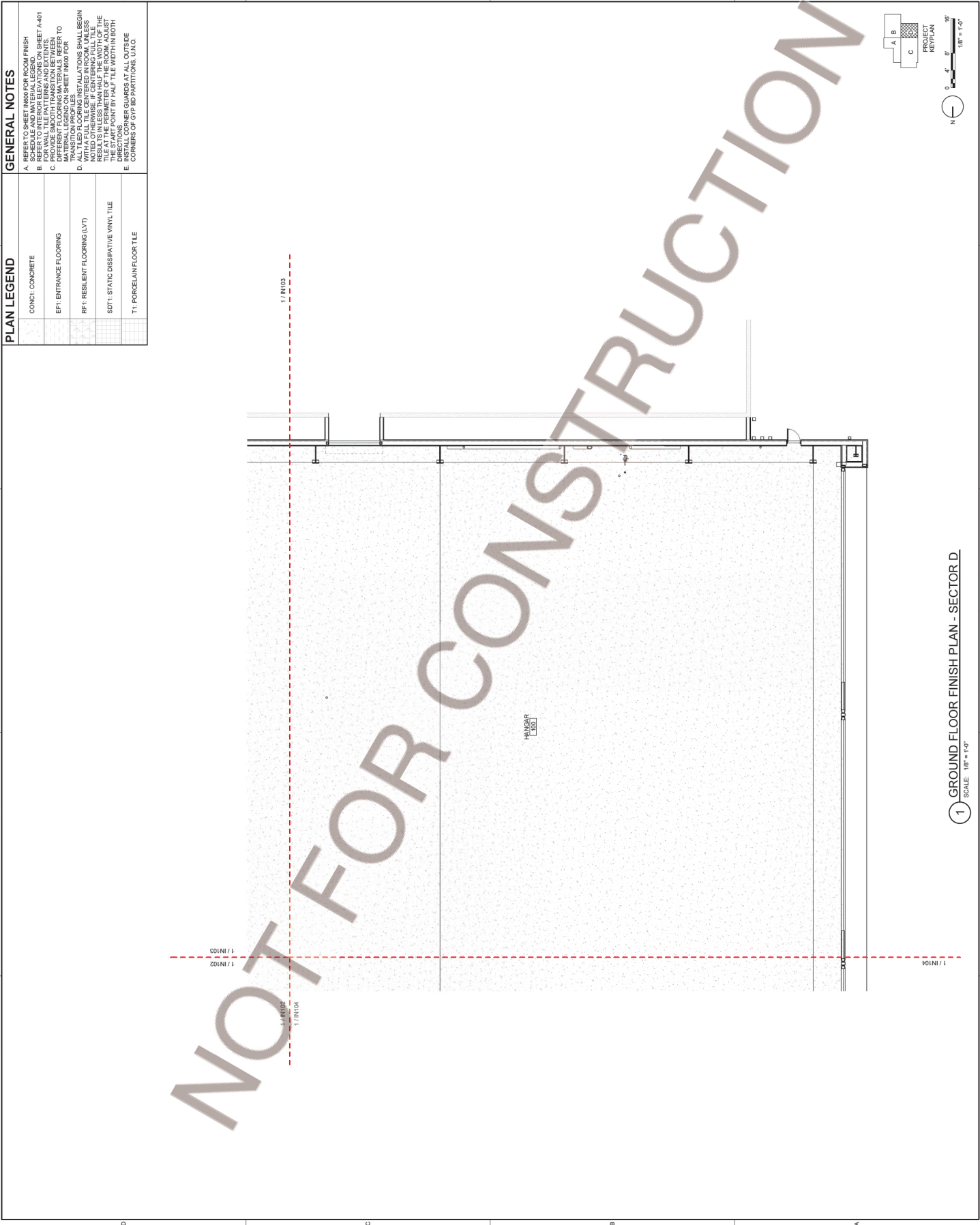
GENERAL NOTES

A. REFER TO SHEET IN000 FOR ROOM FINISH

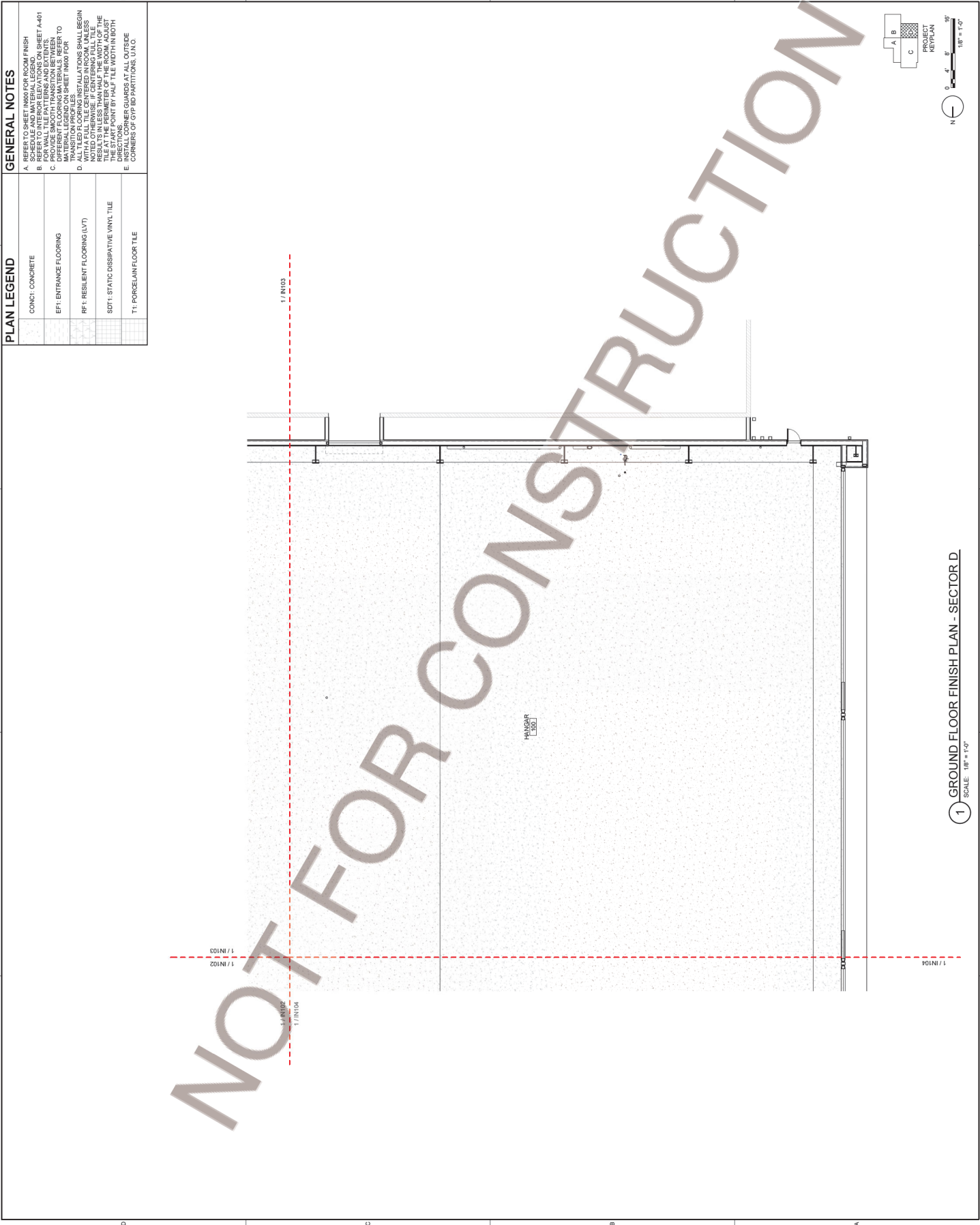
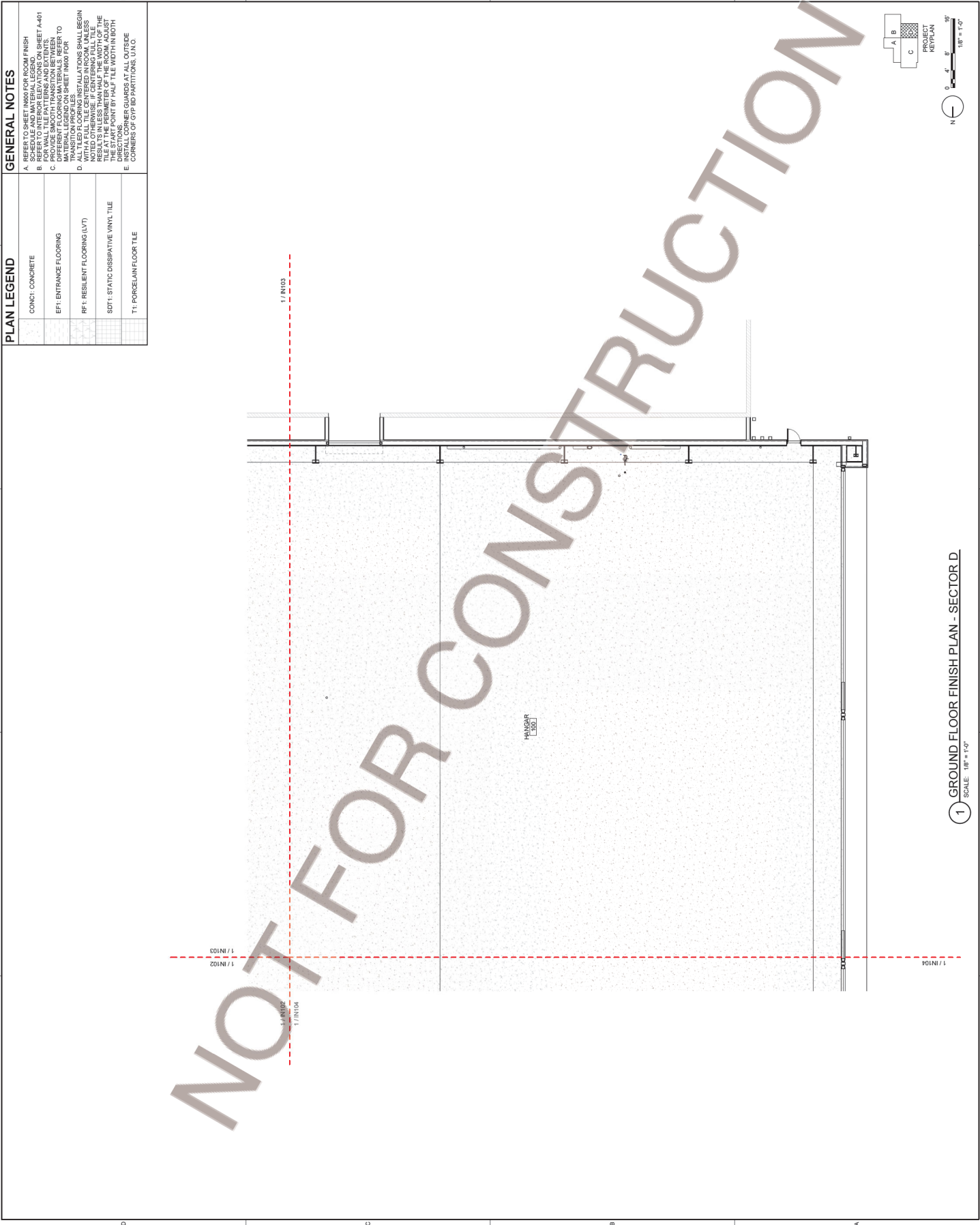
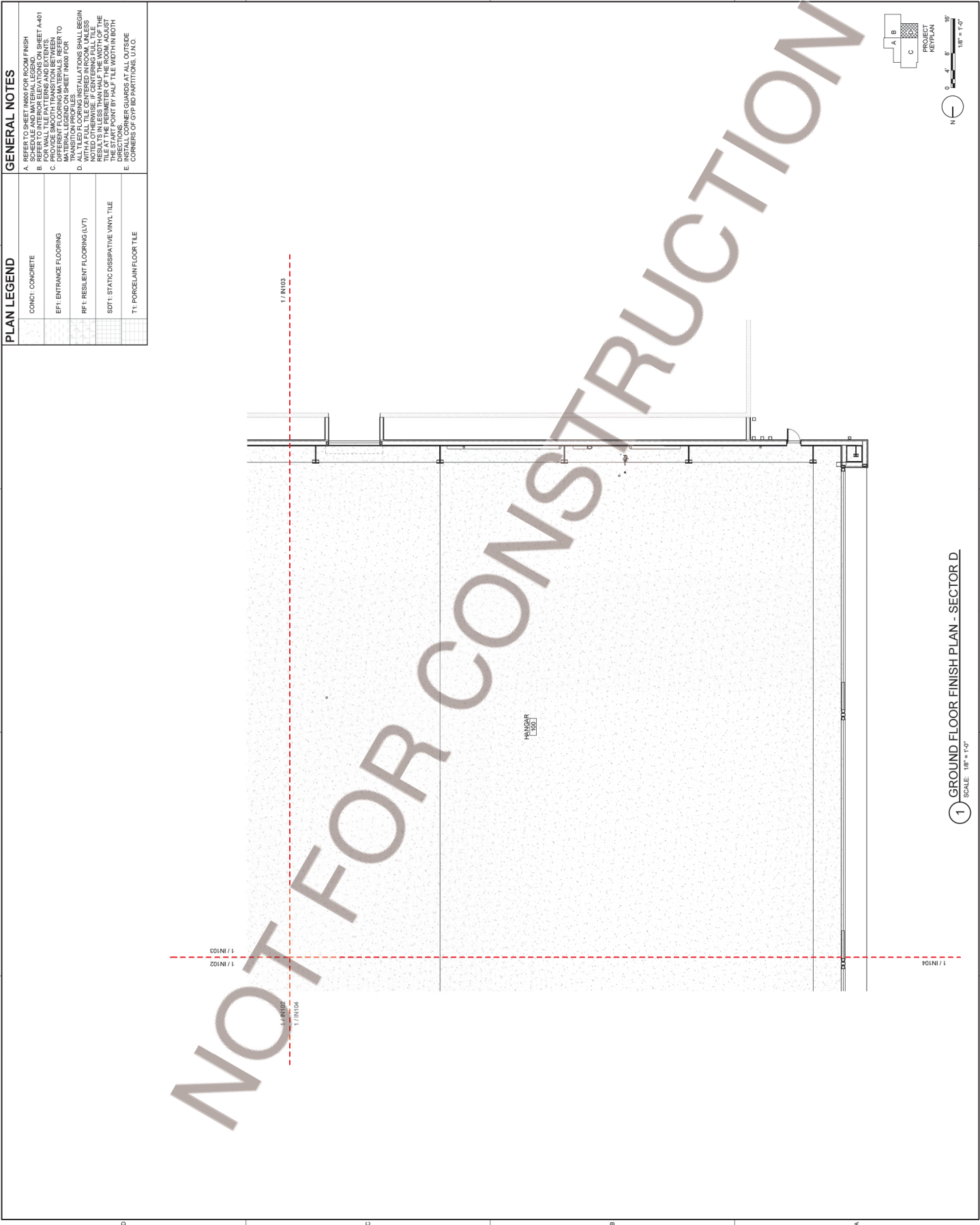
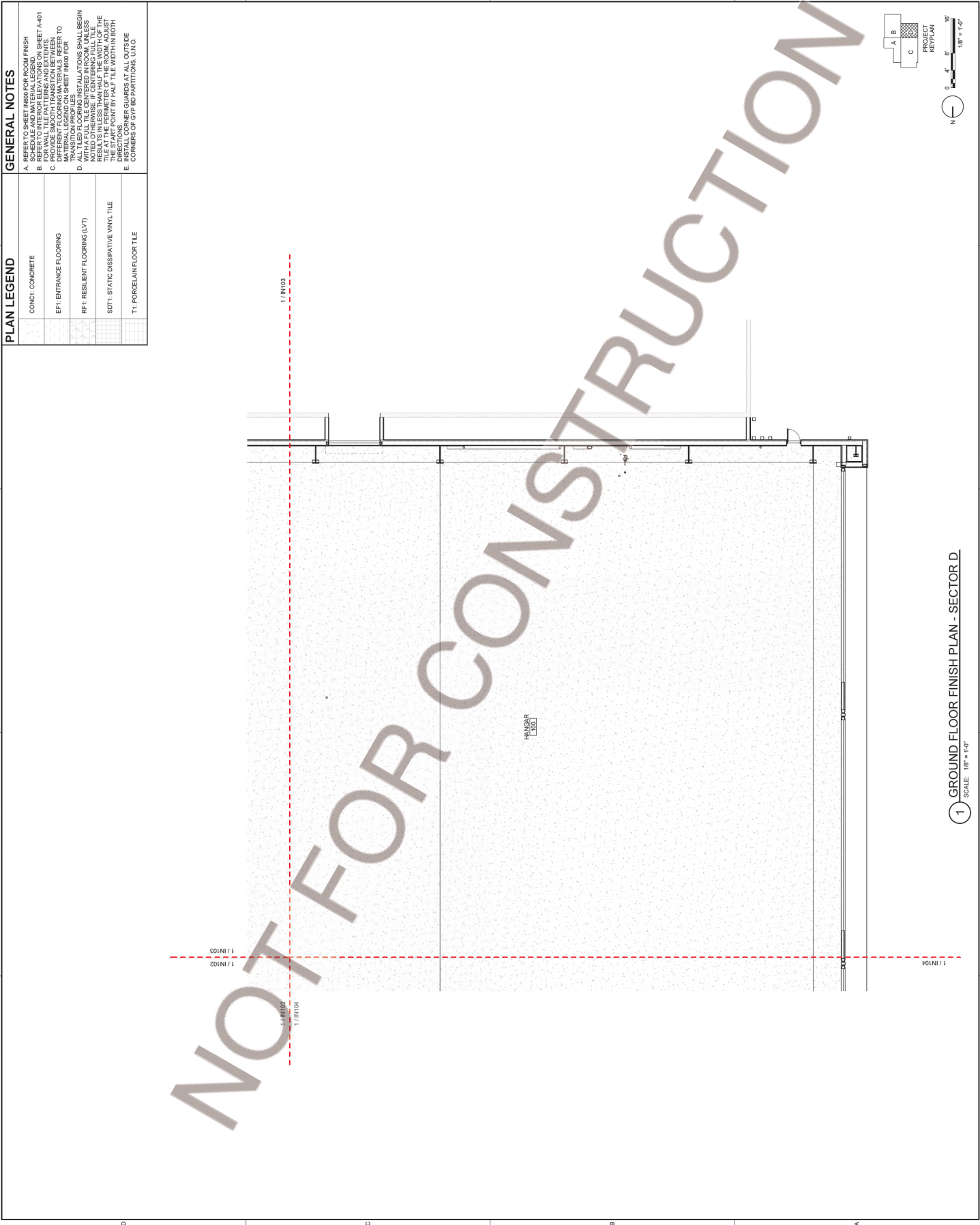
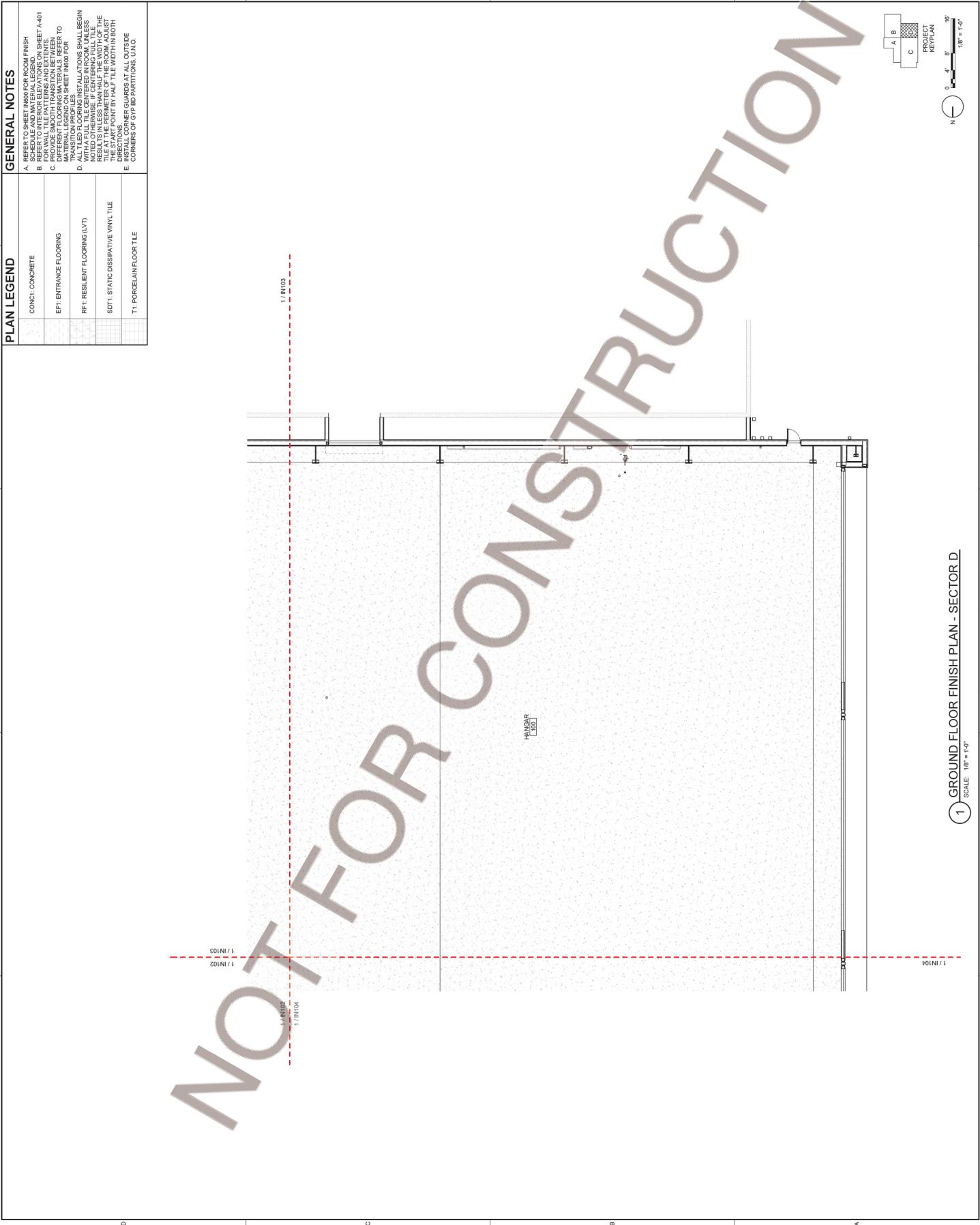
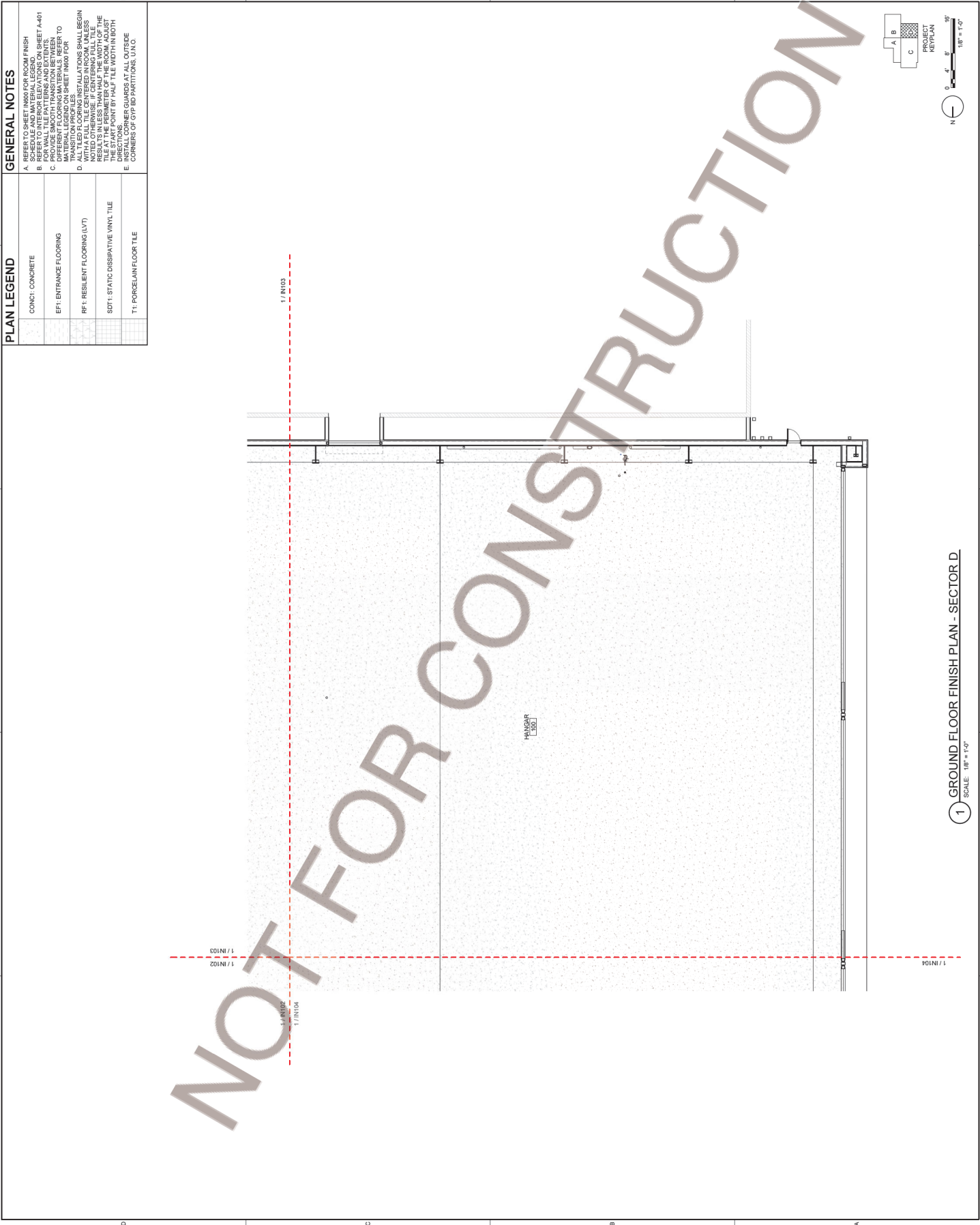
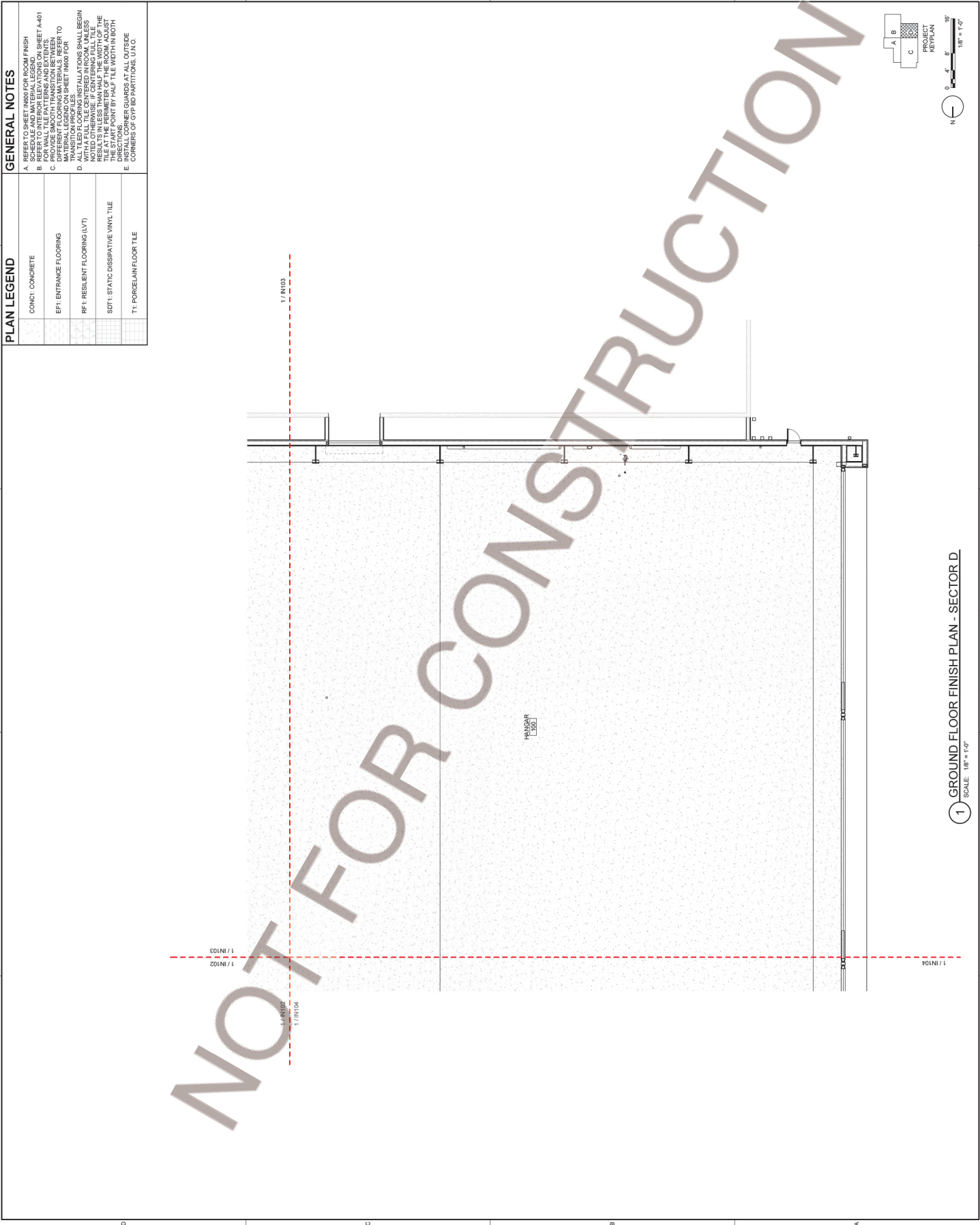
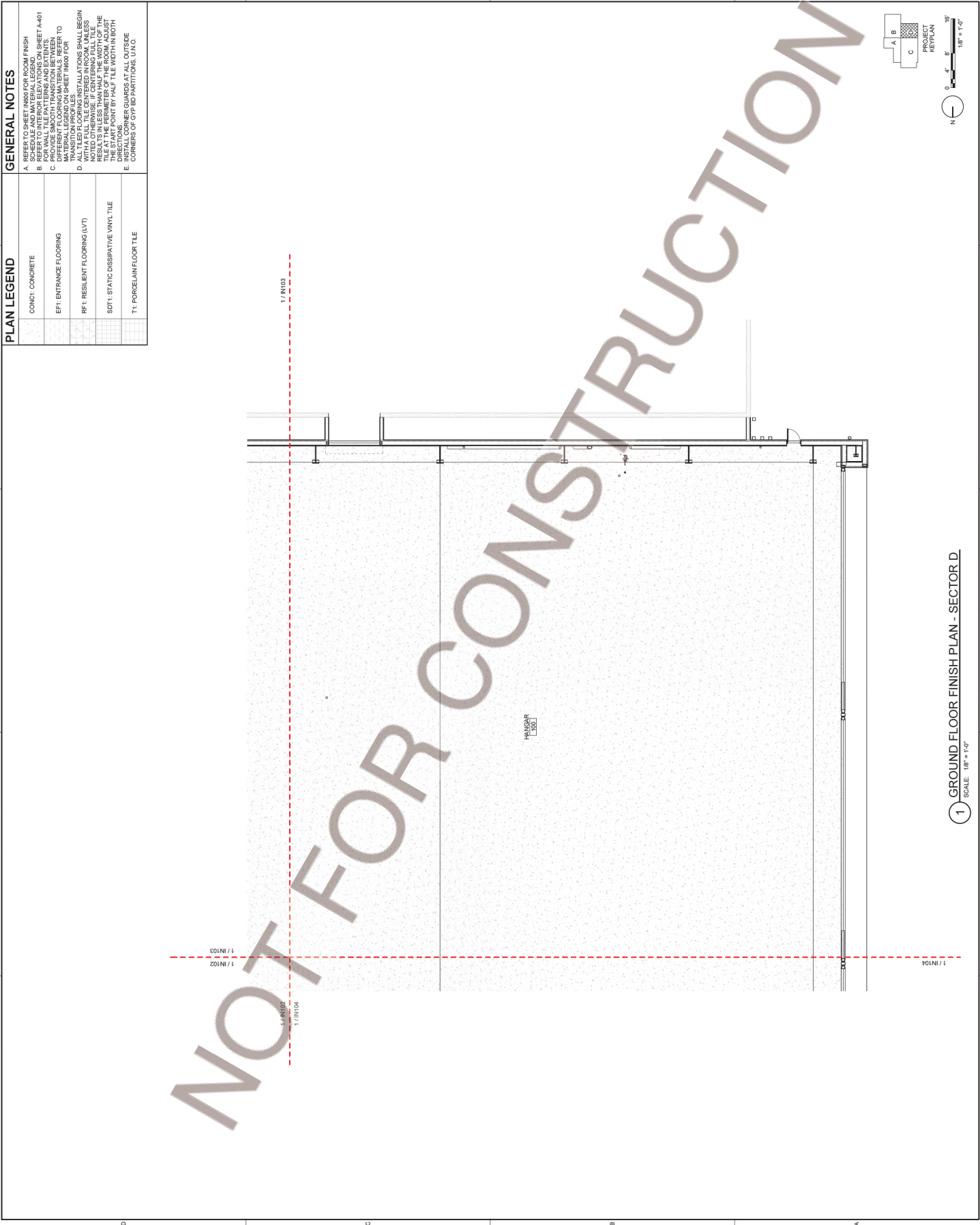
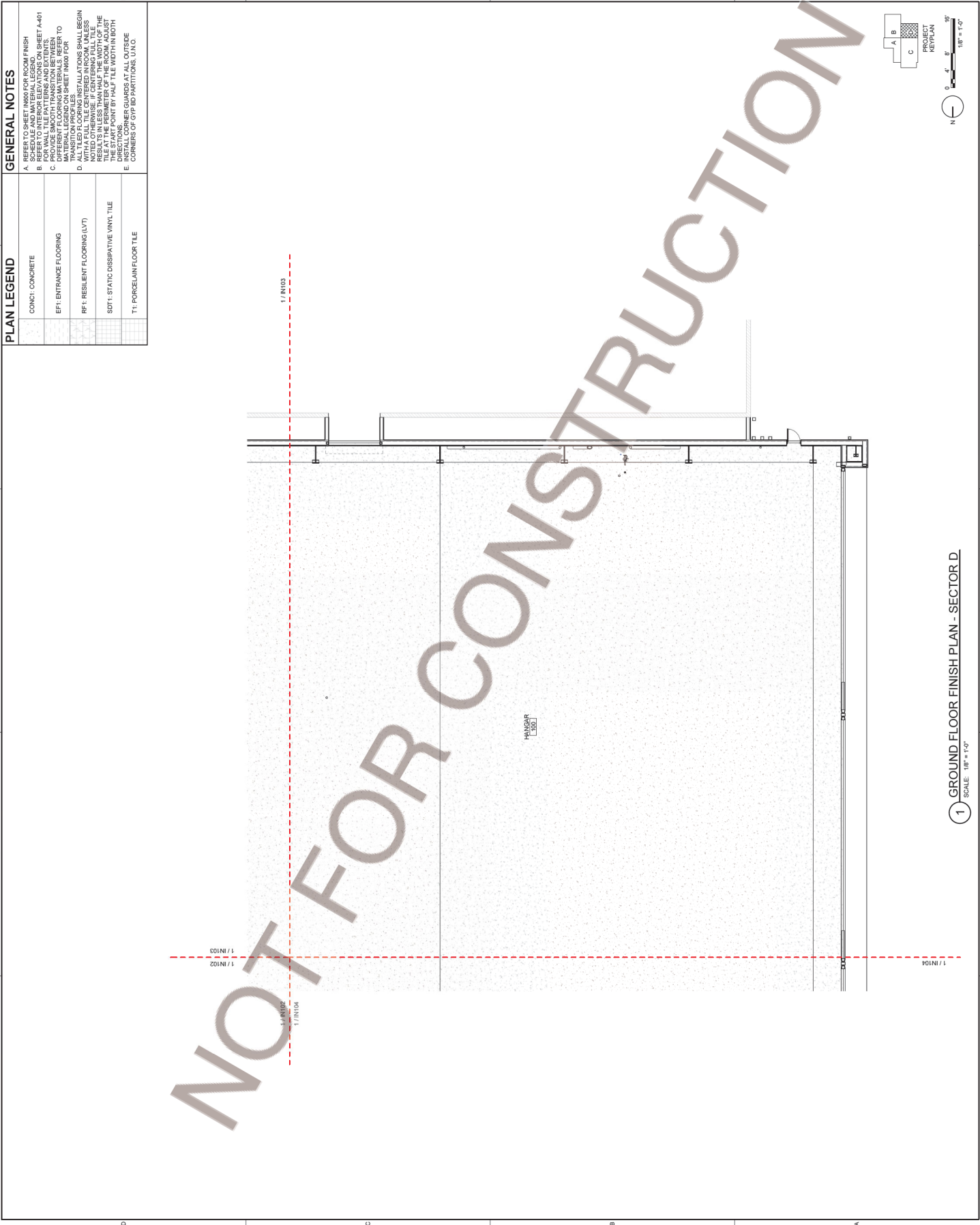
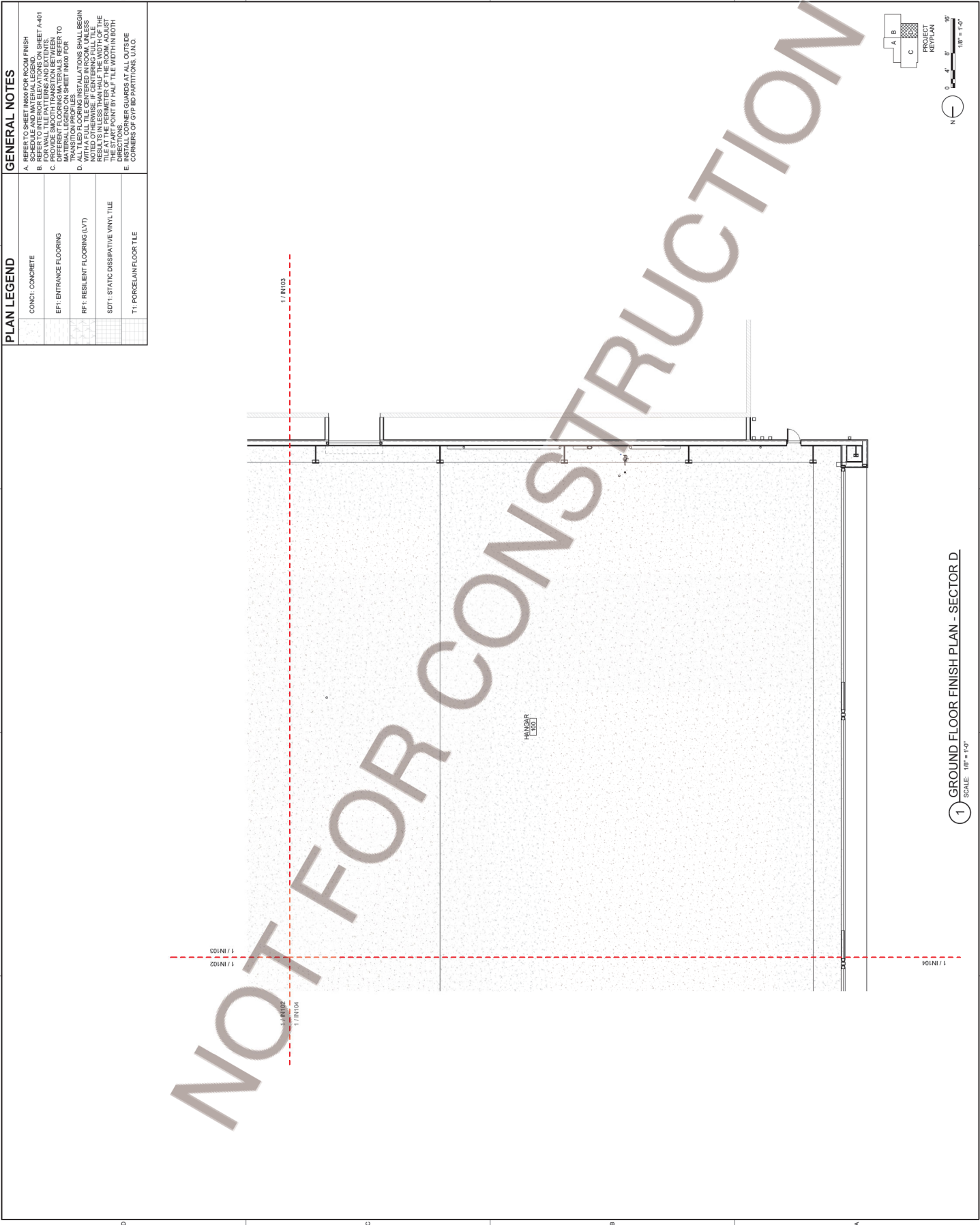
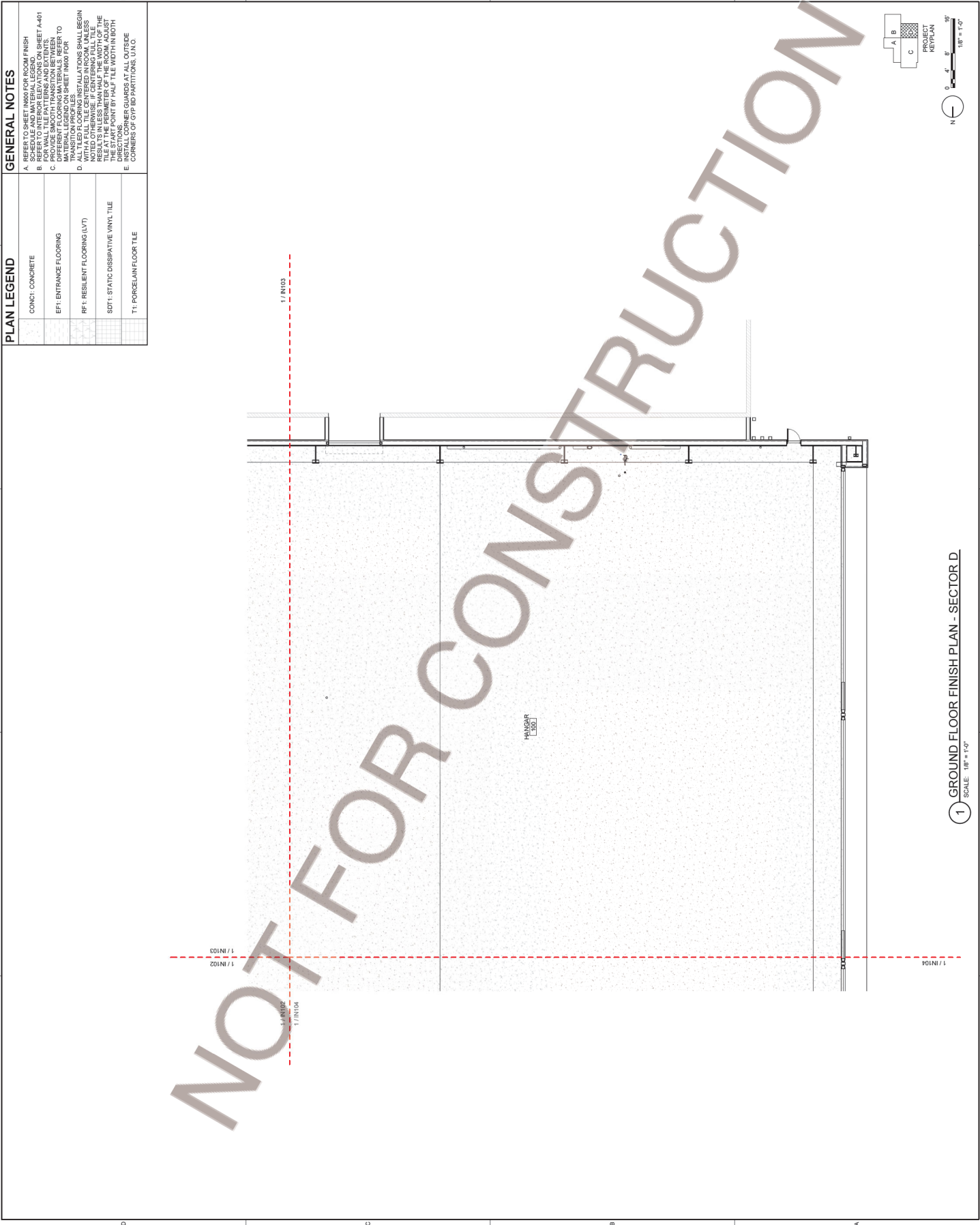
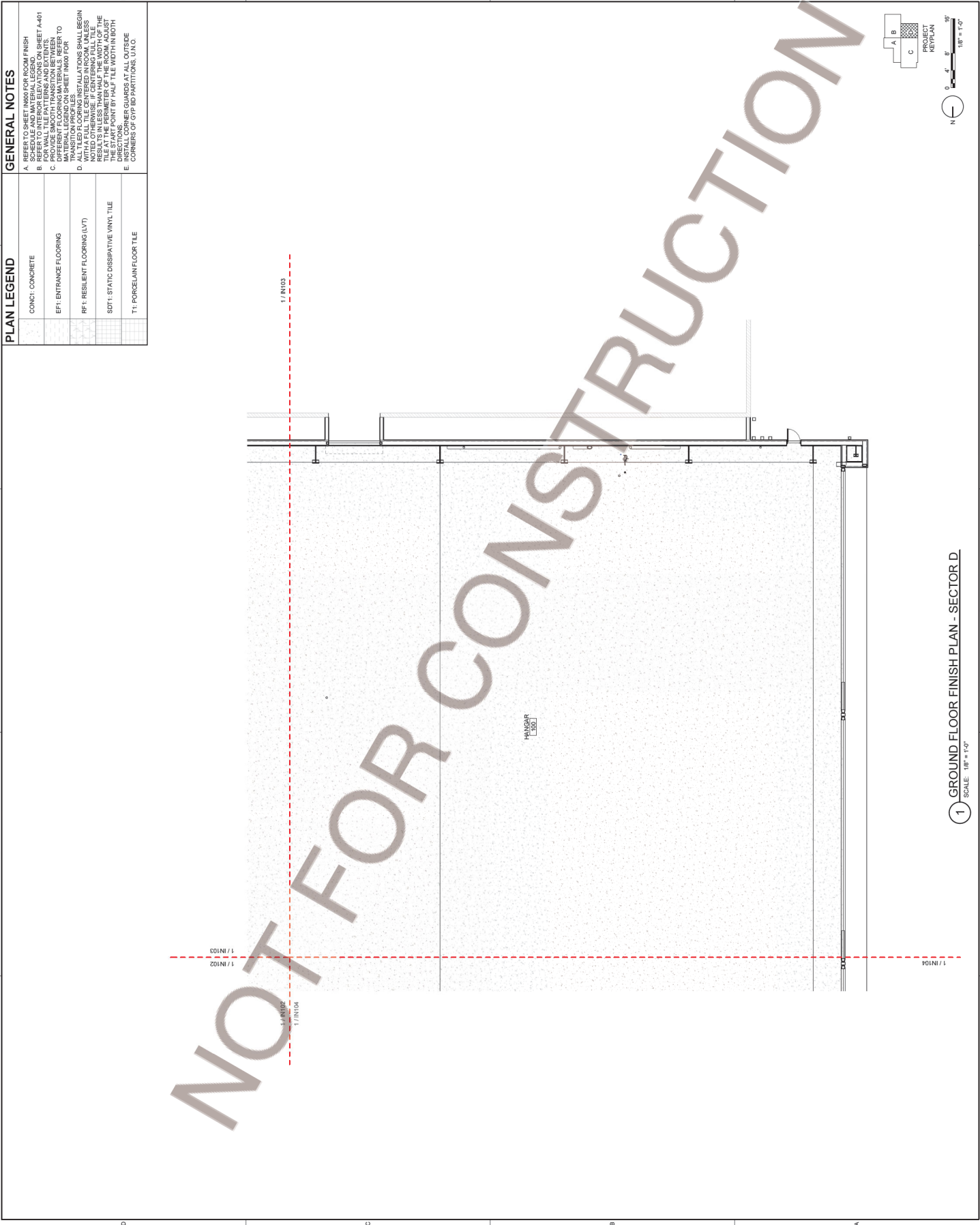
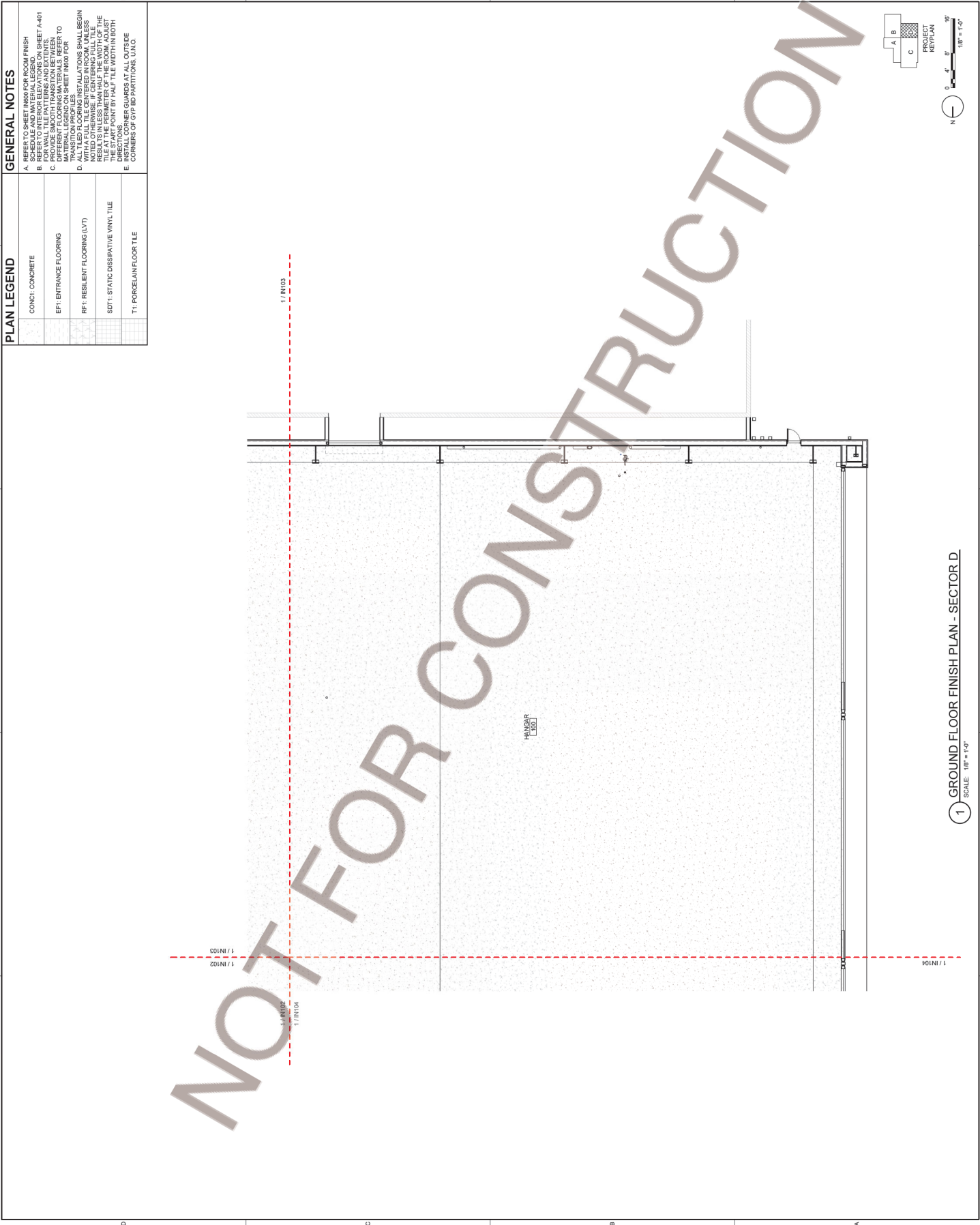
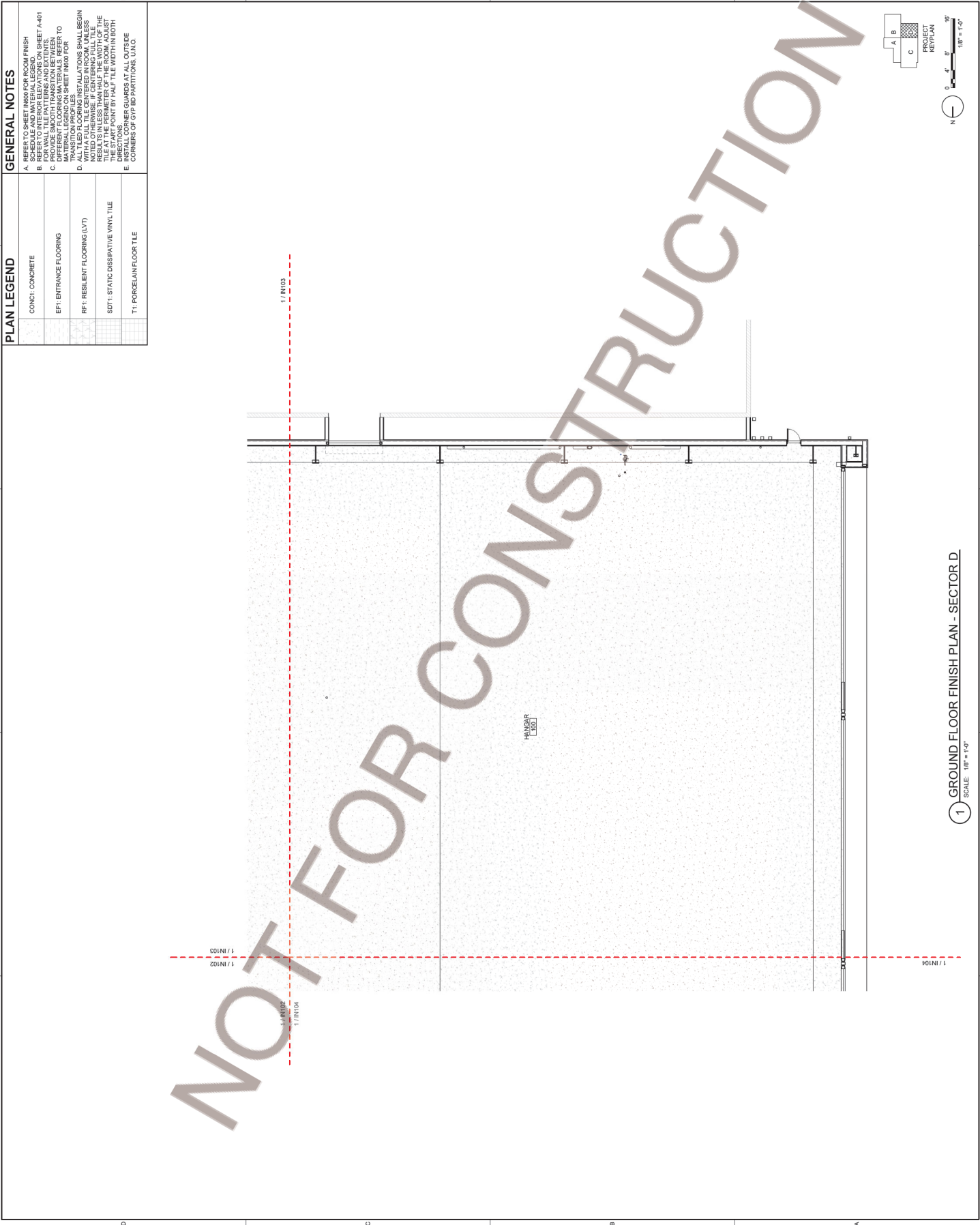
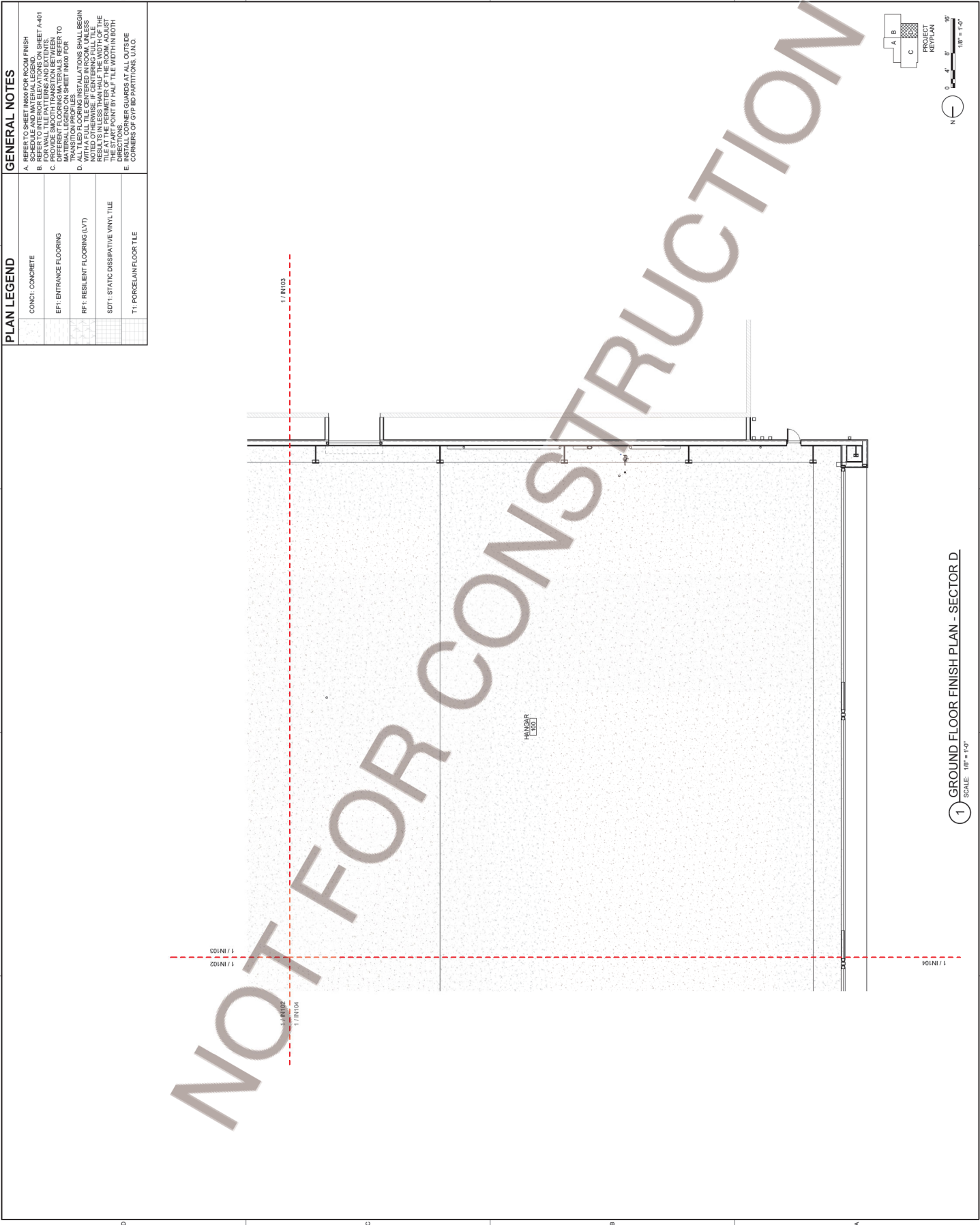
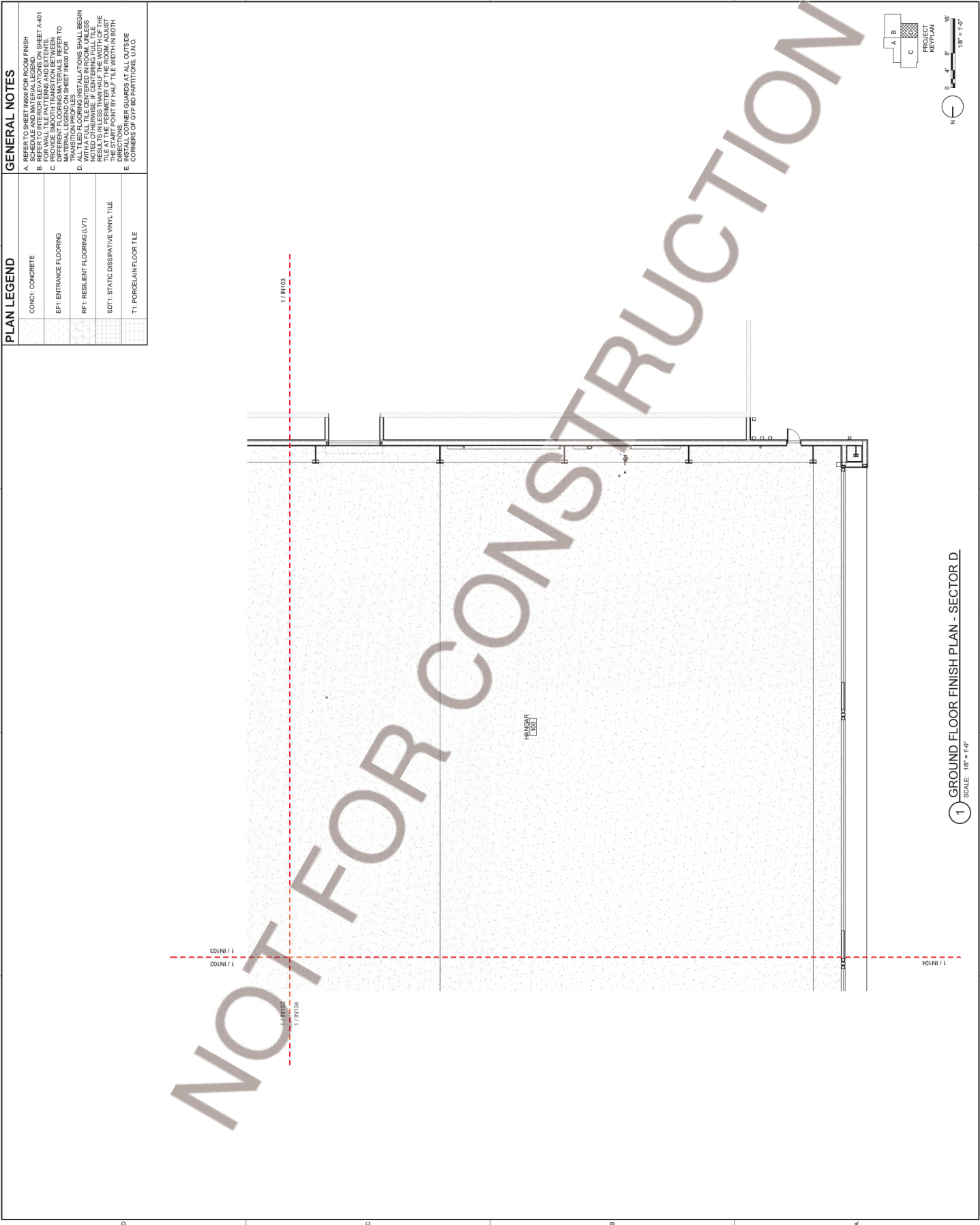
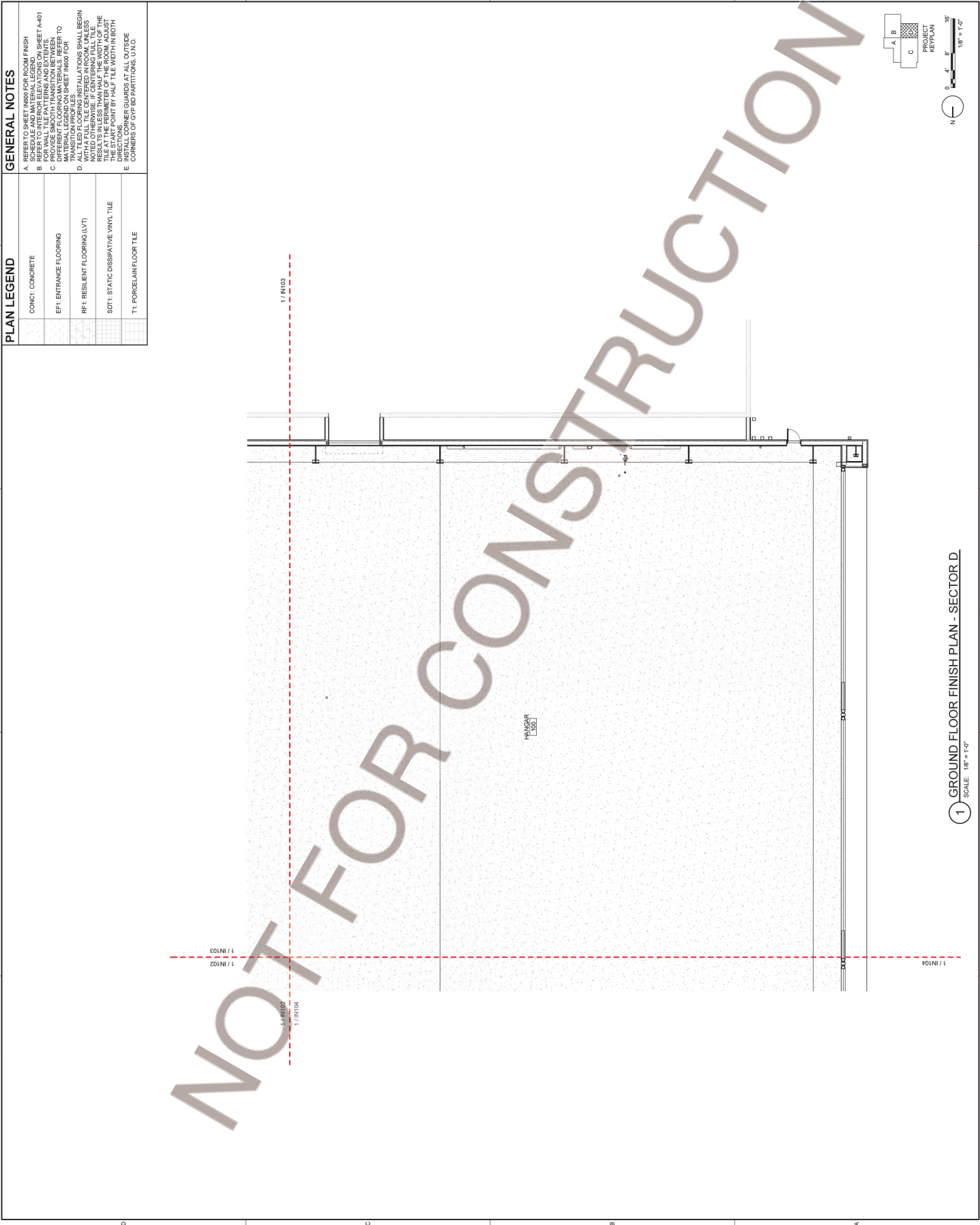
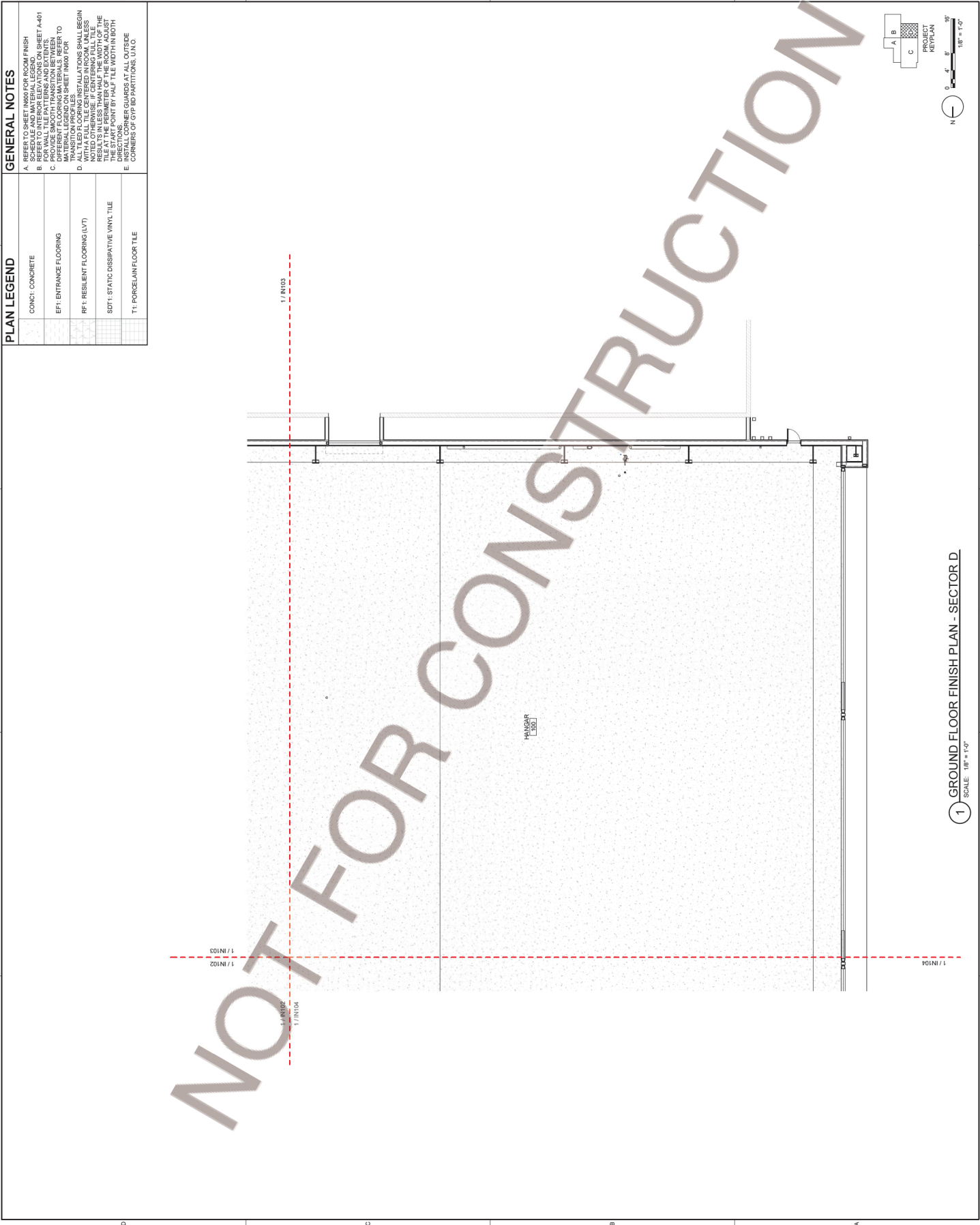
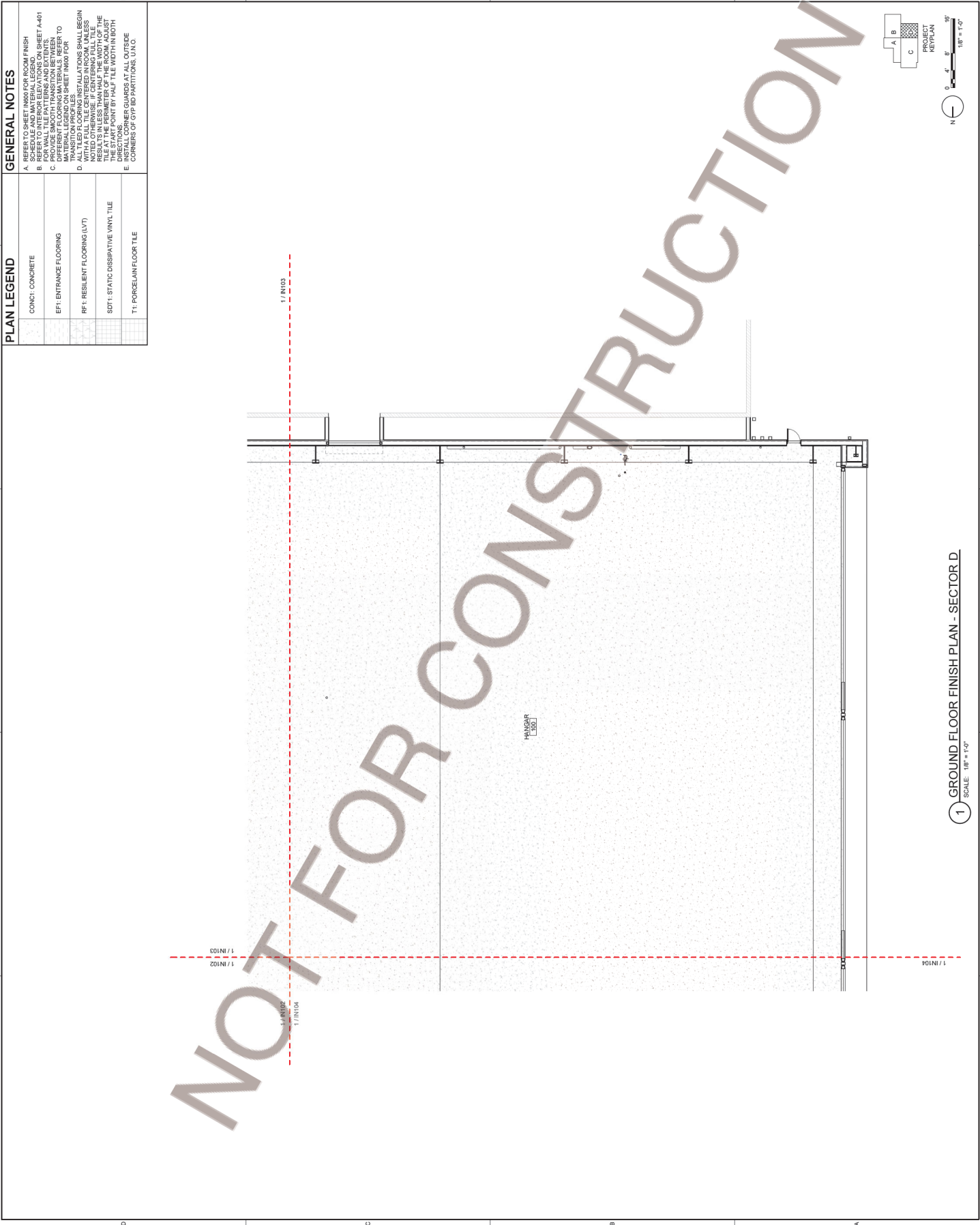
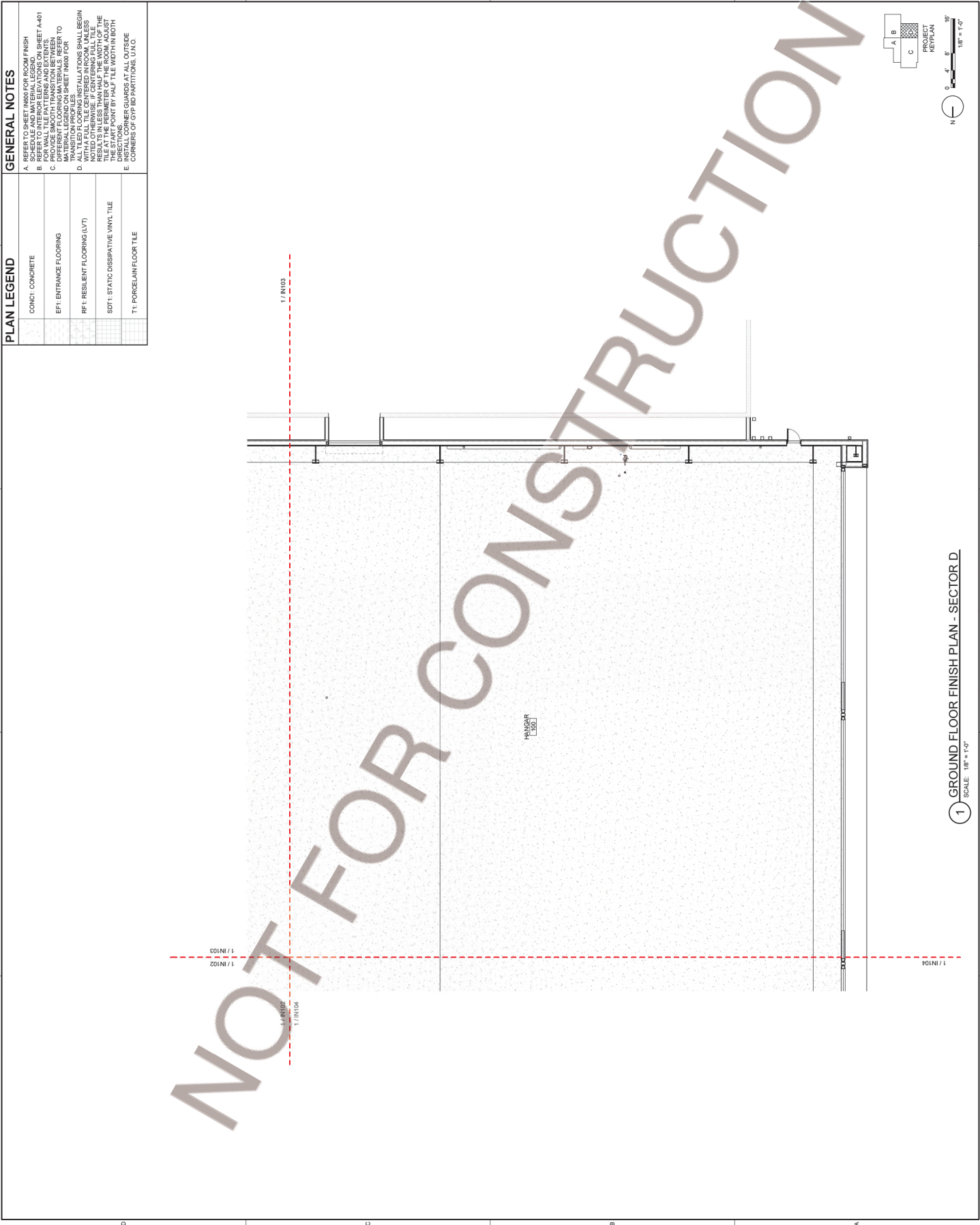
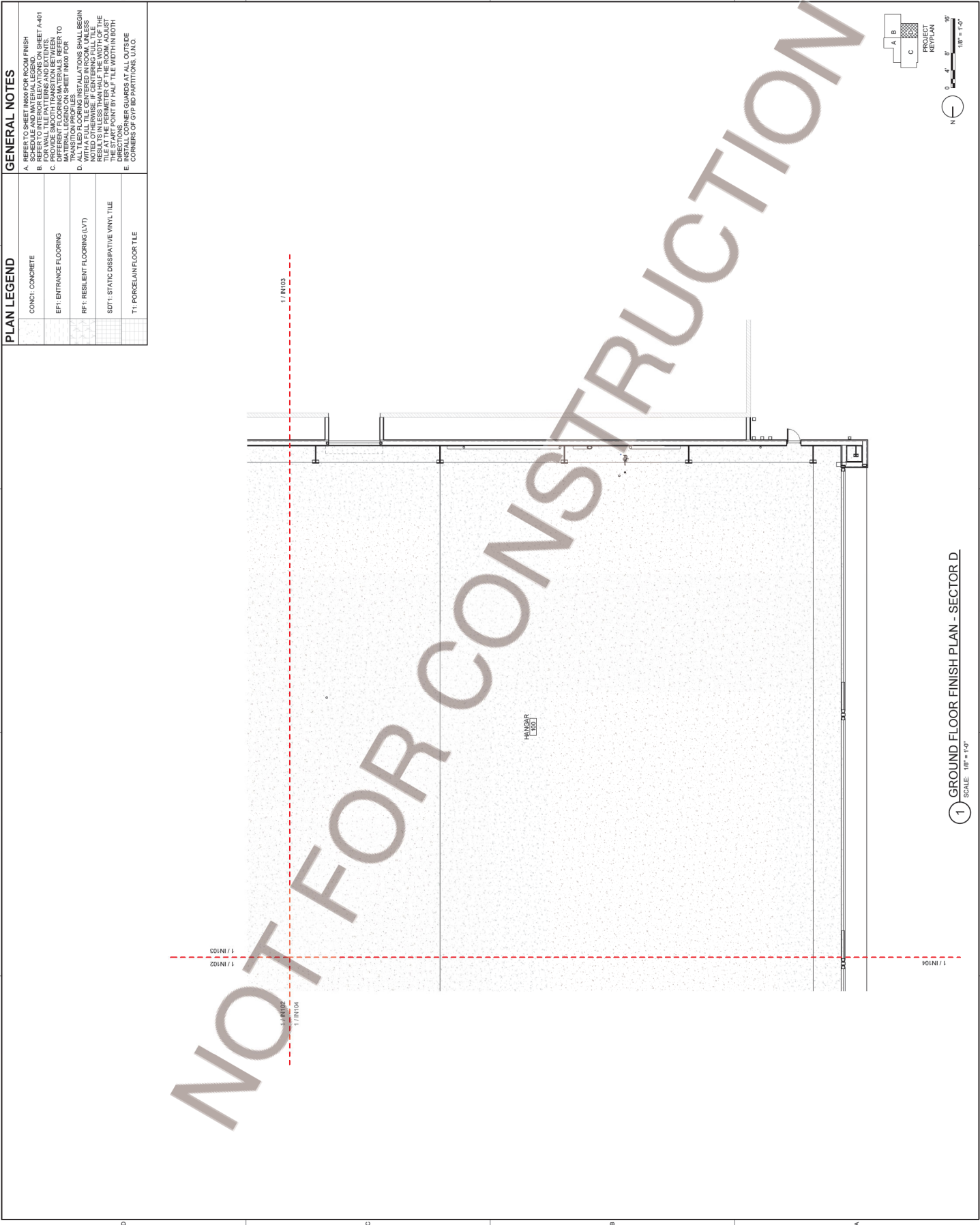
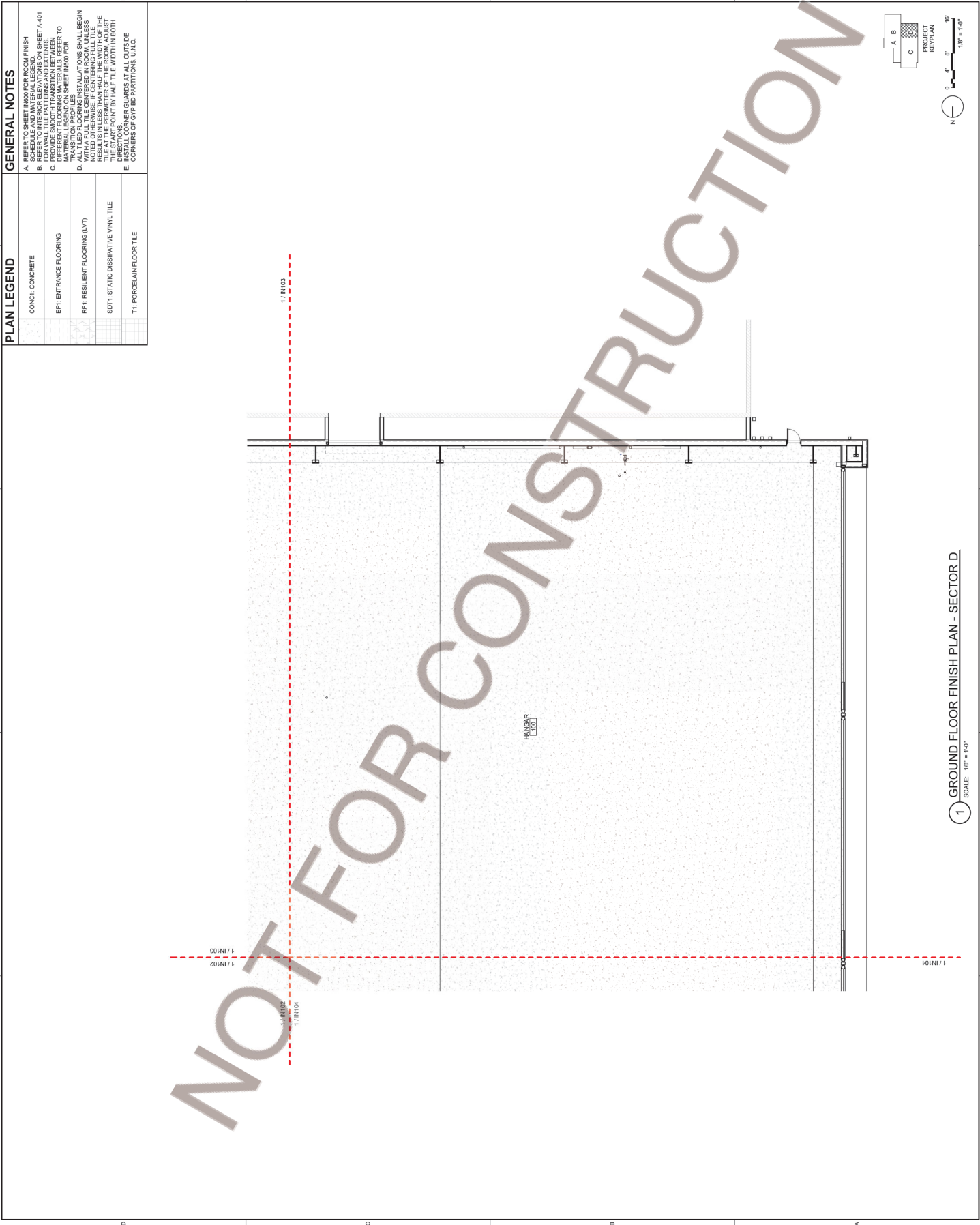
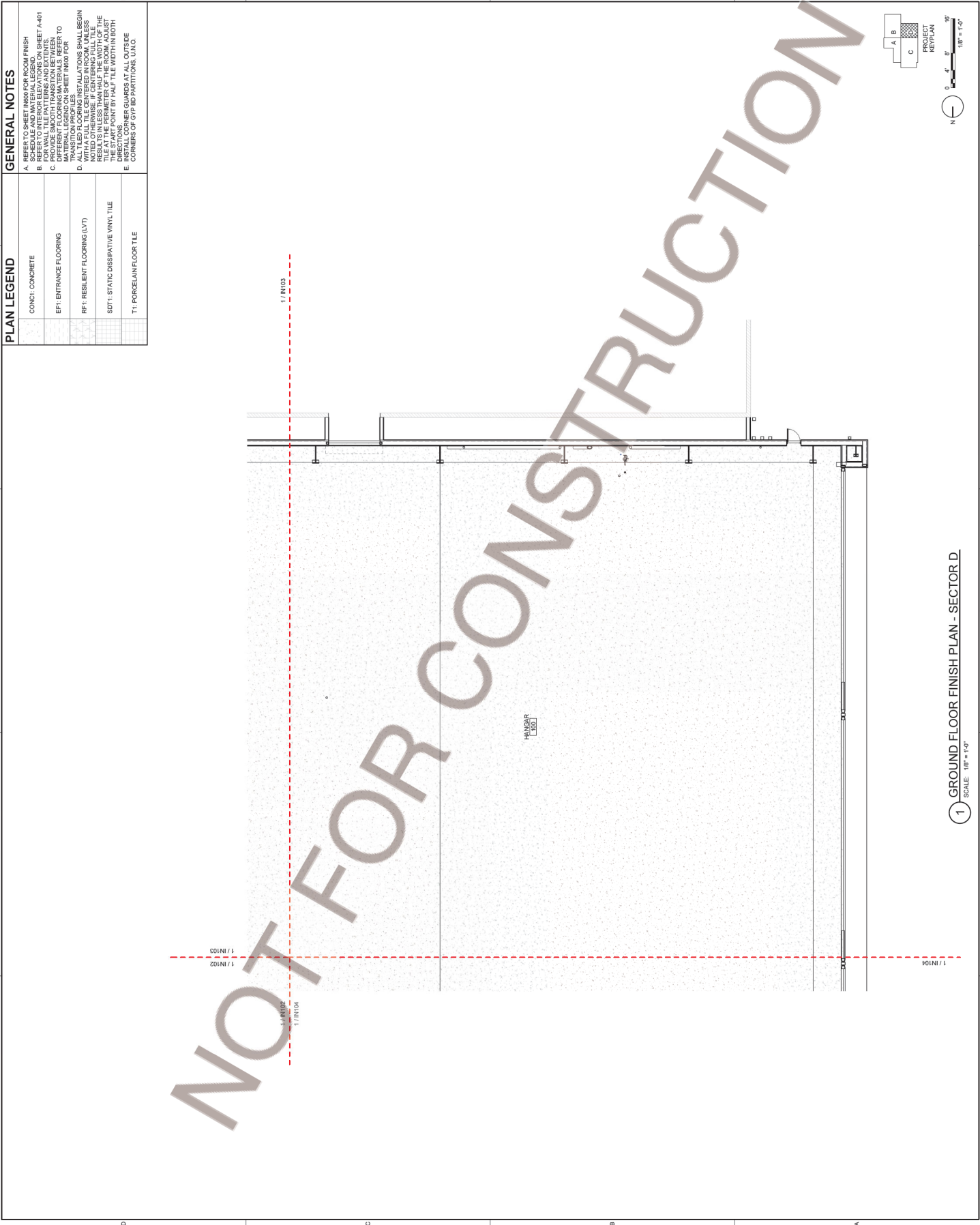
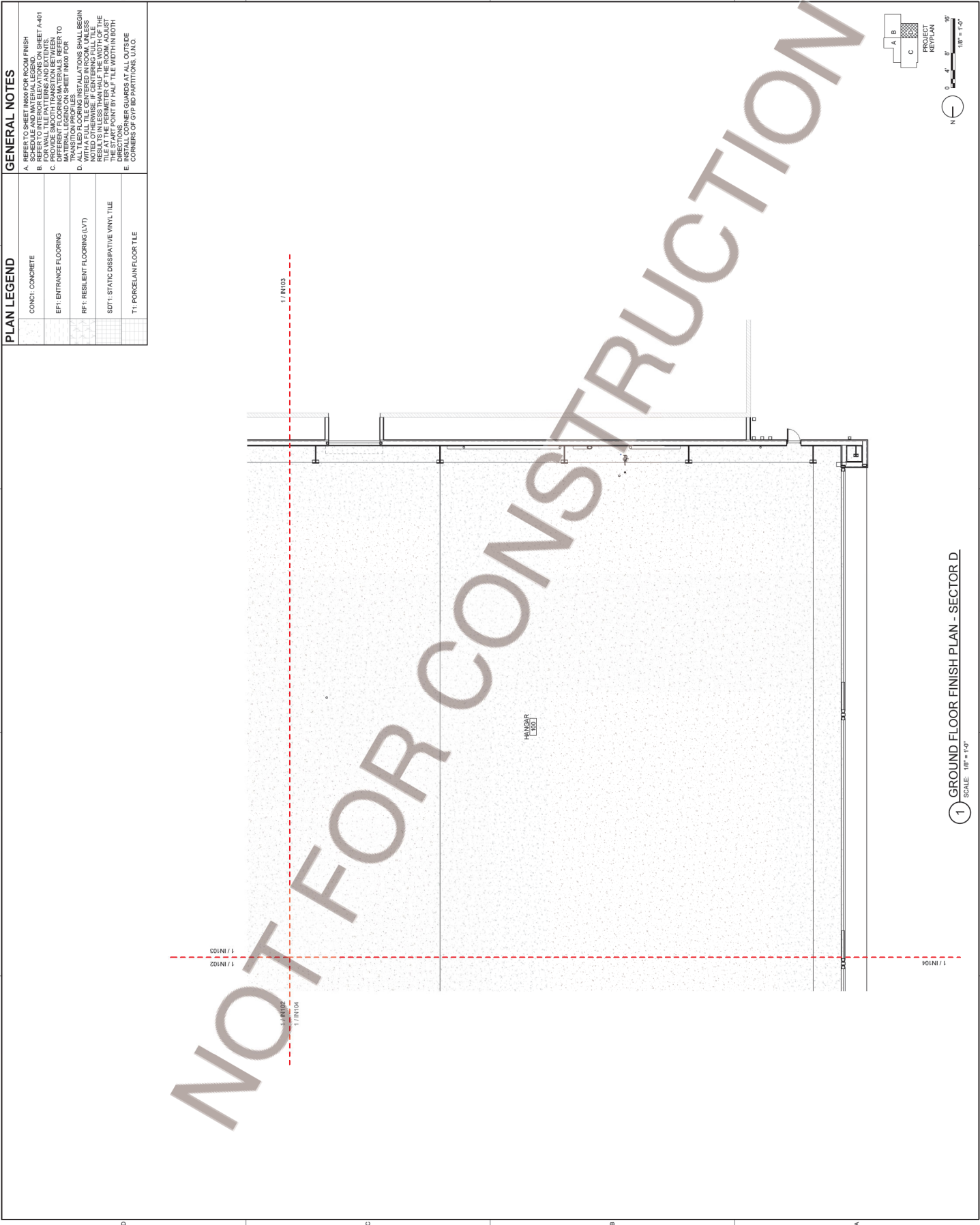
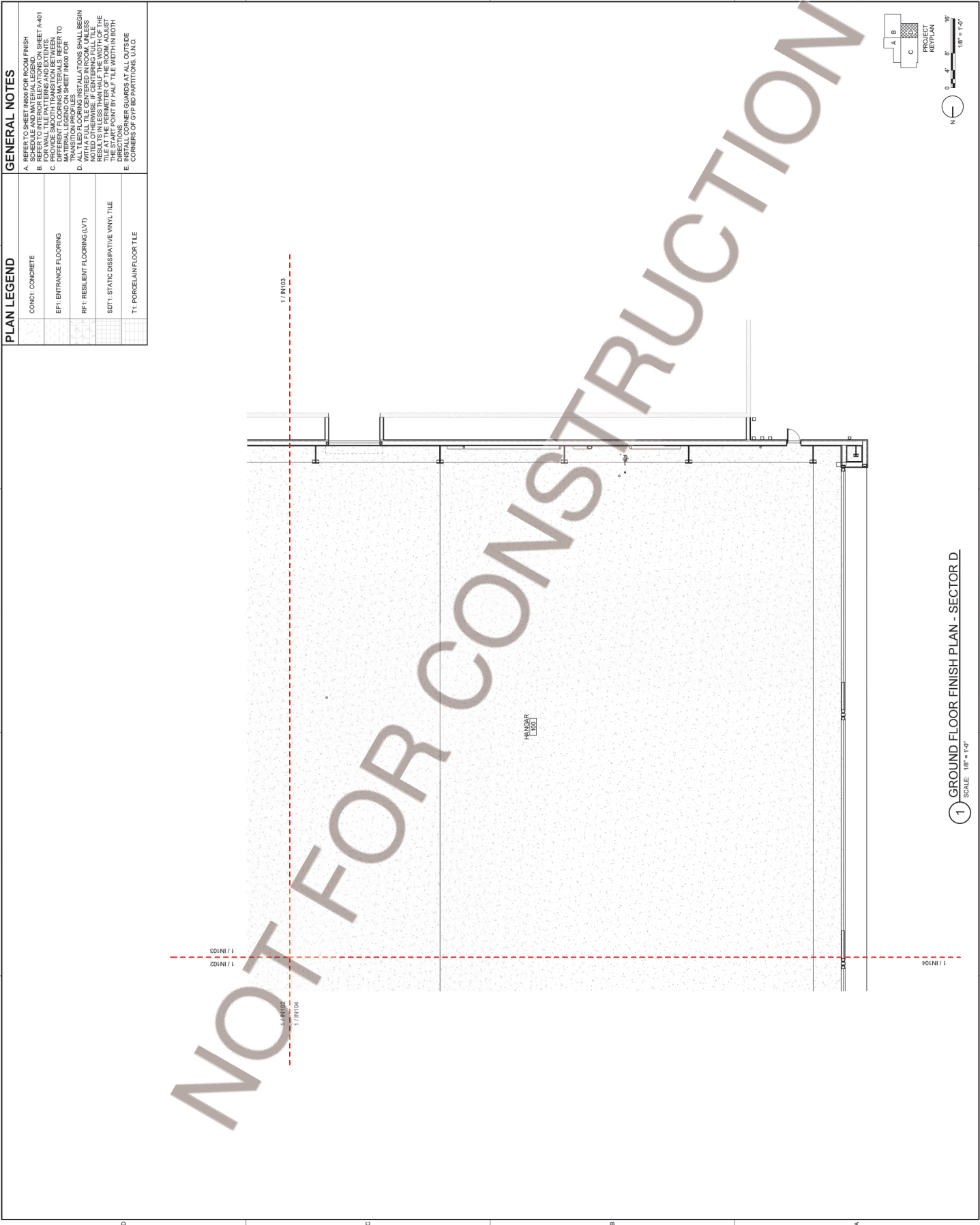
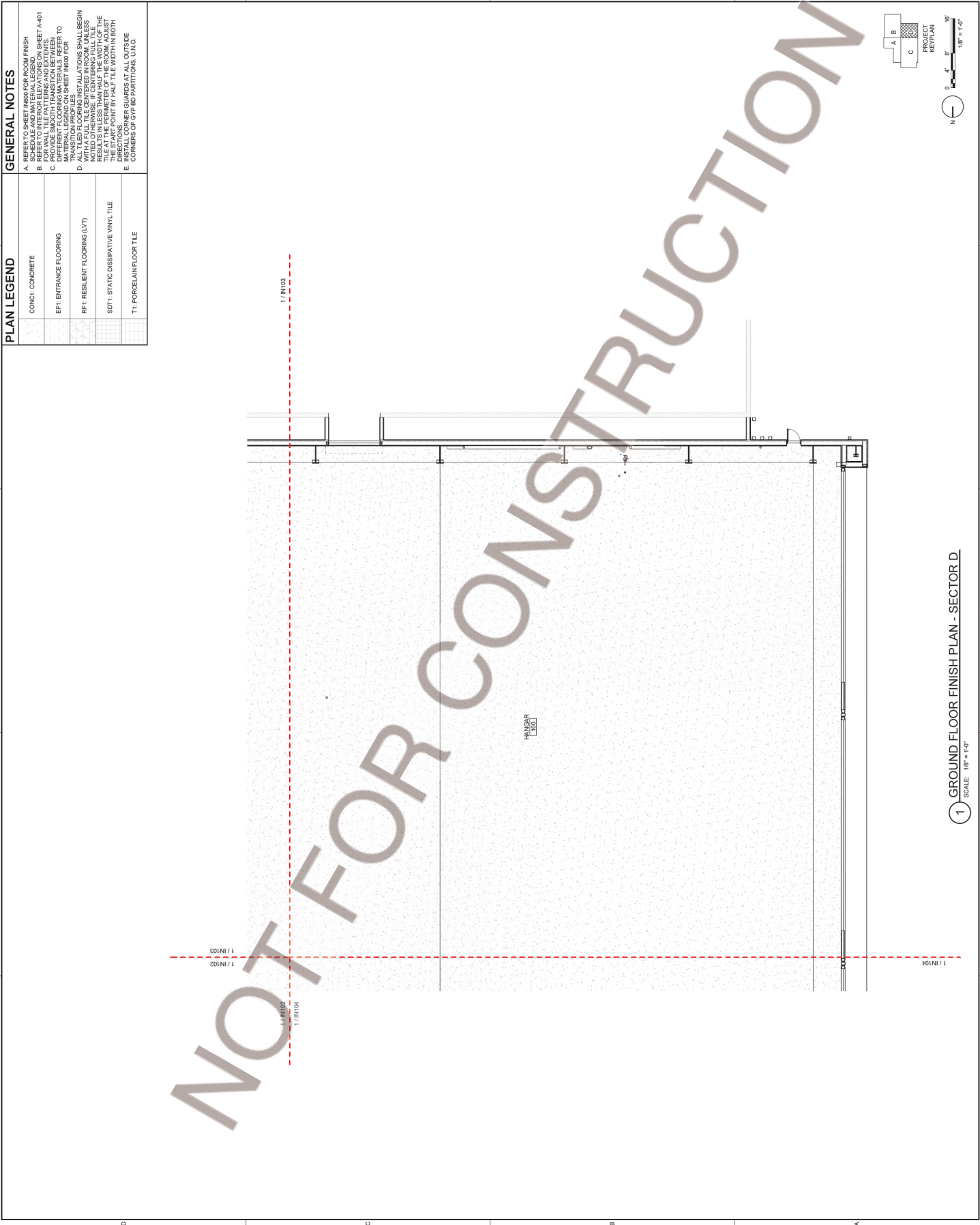
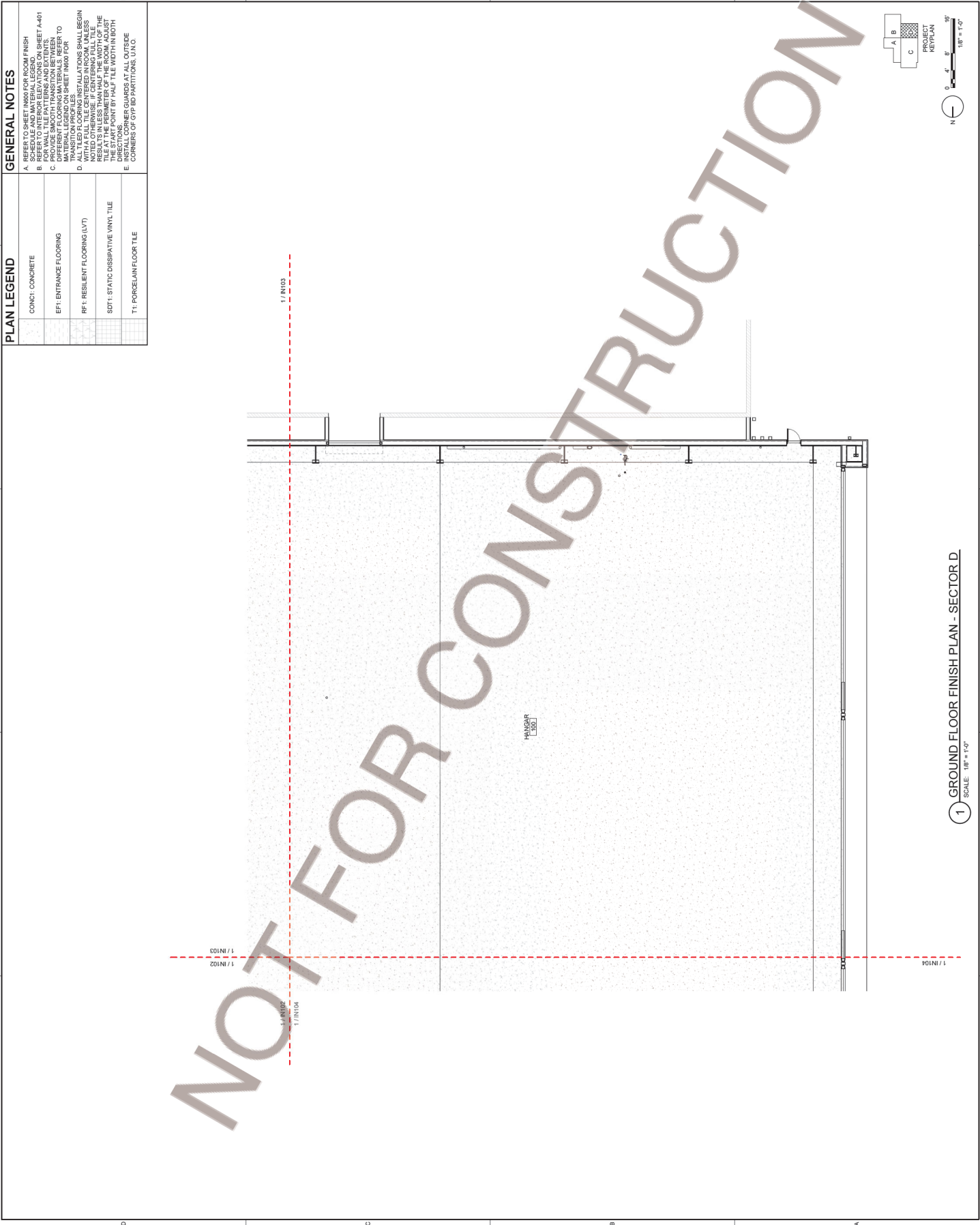
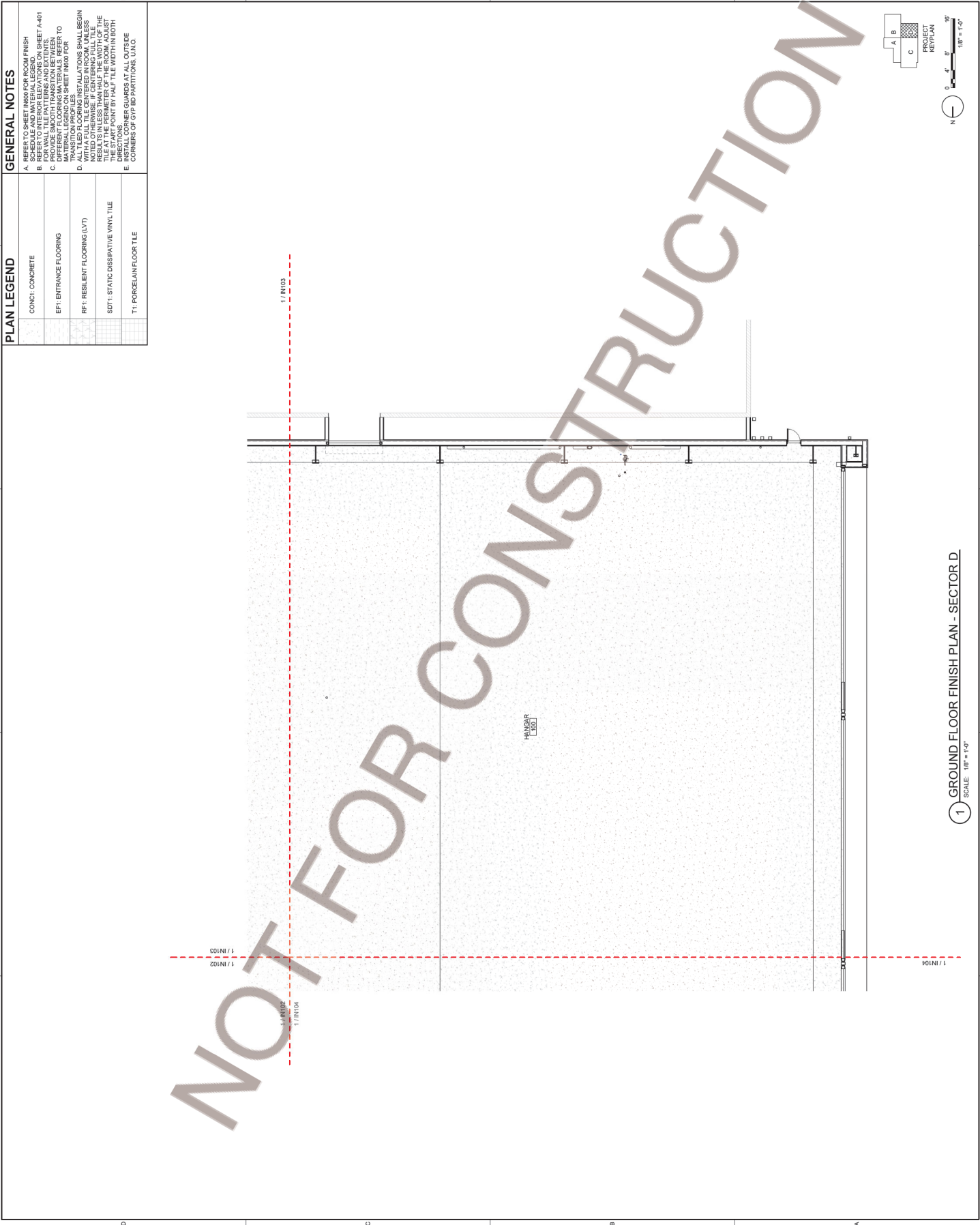
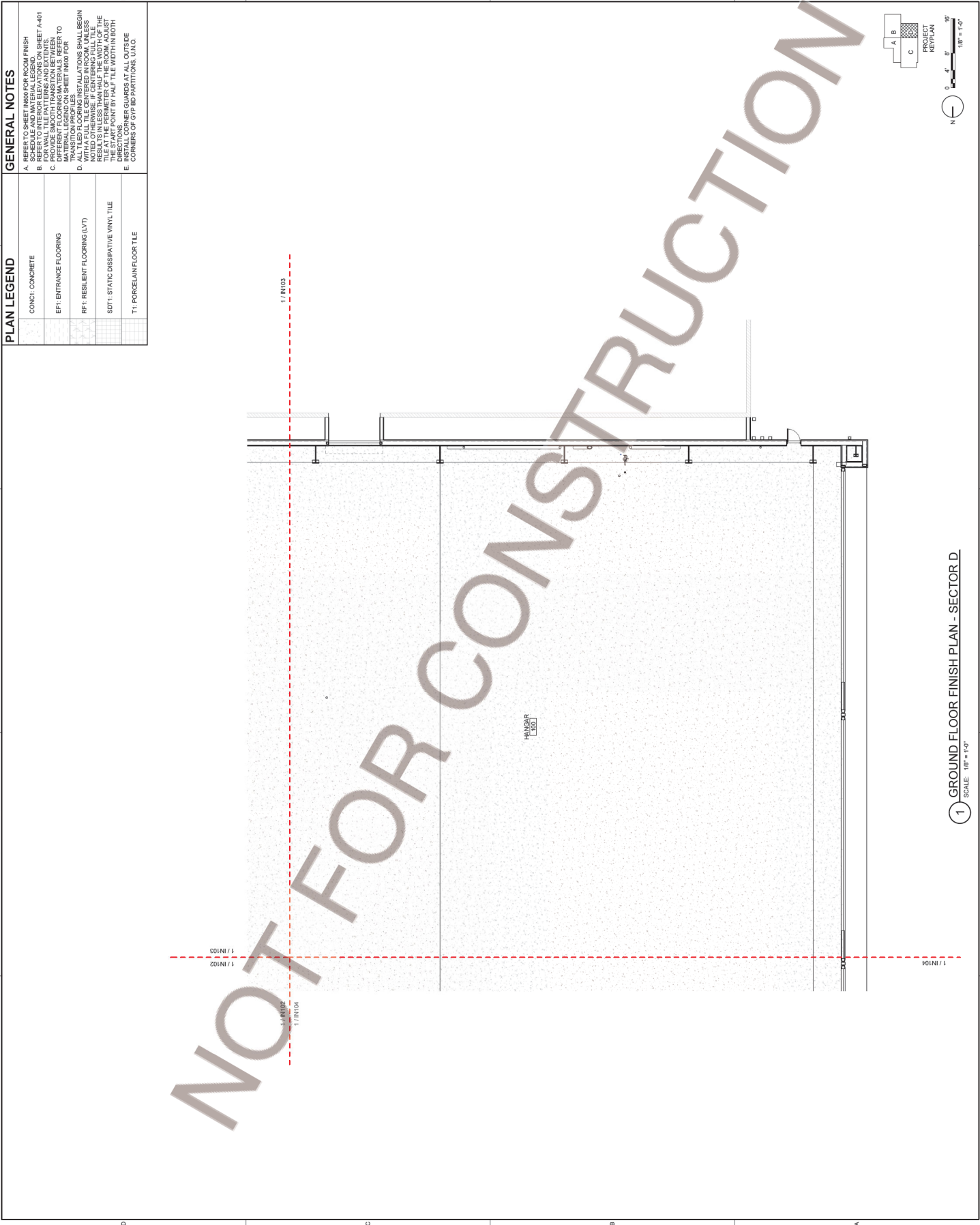
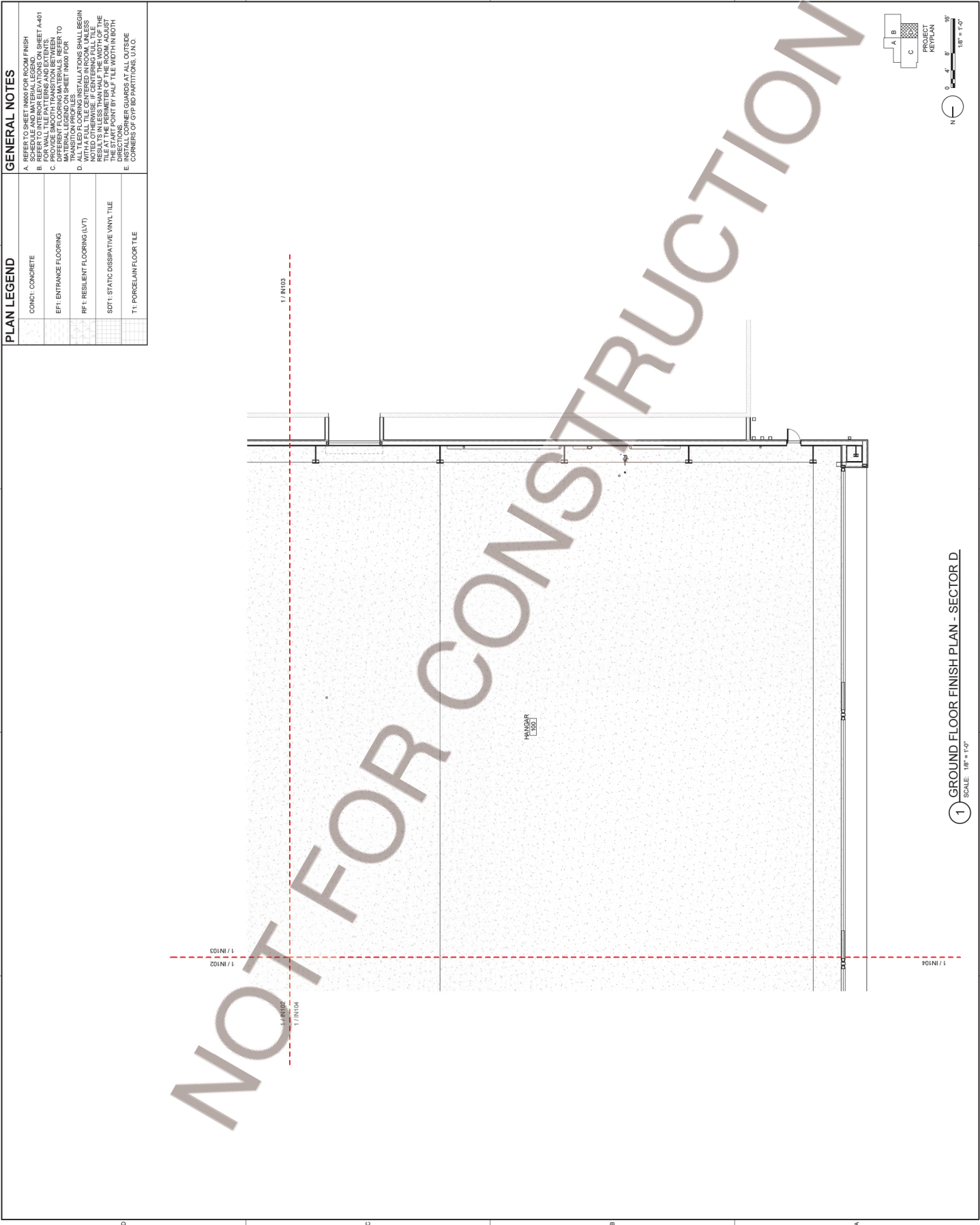
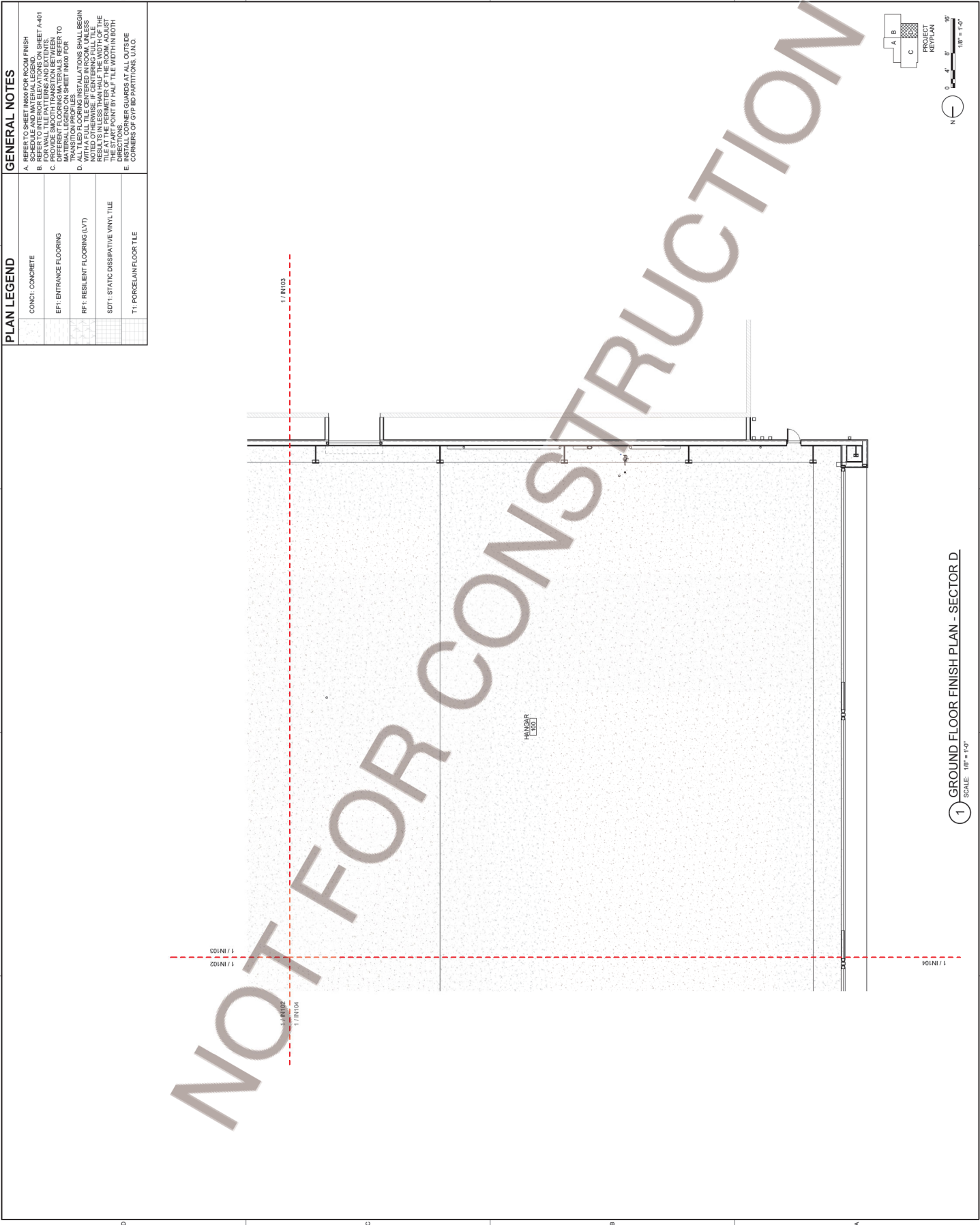
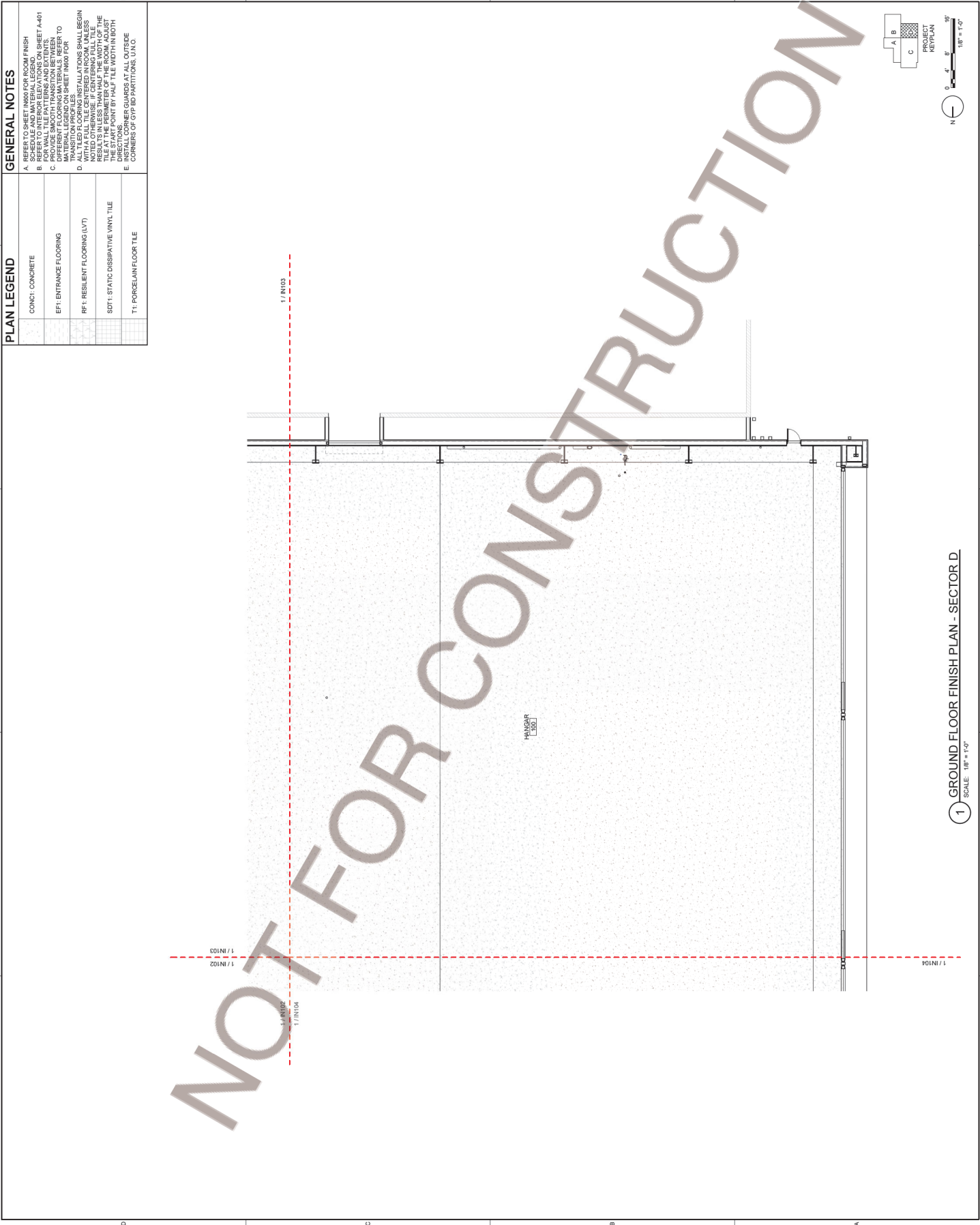
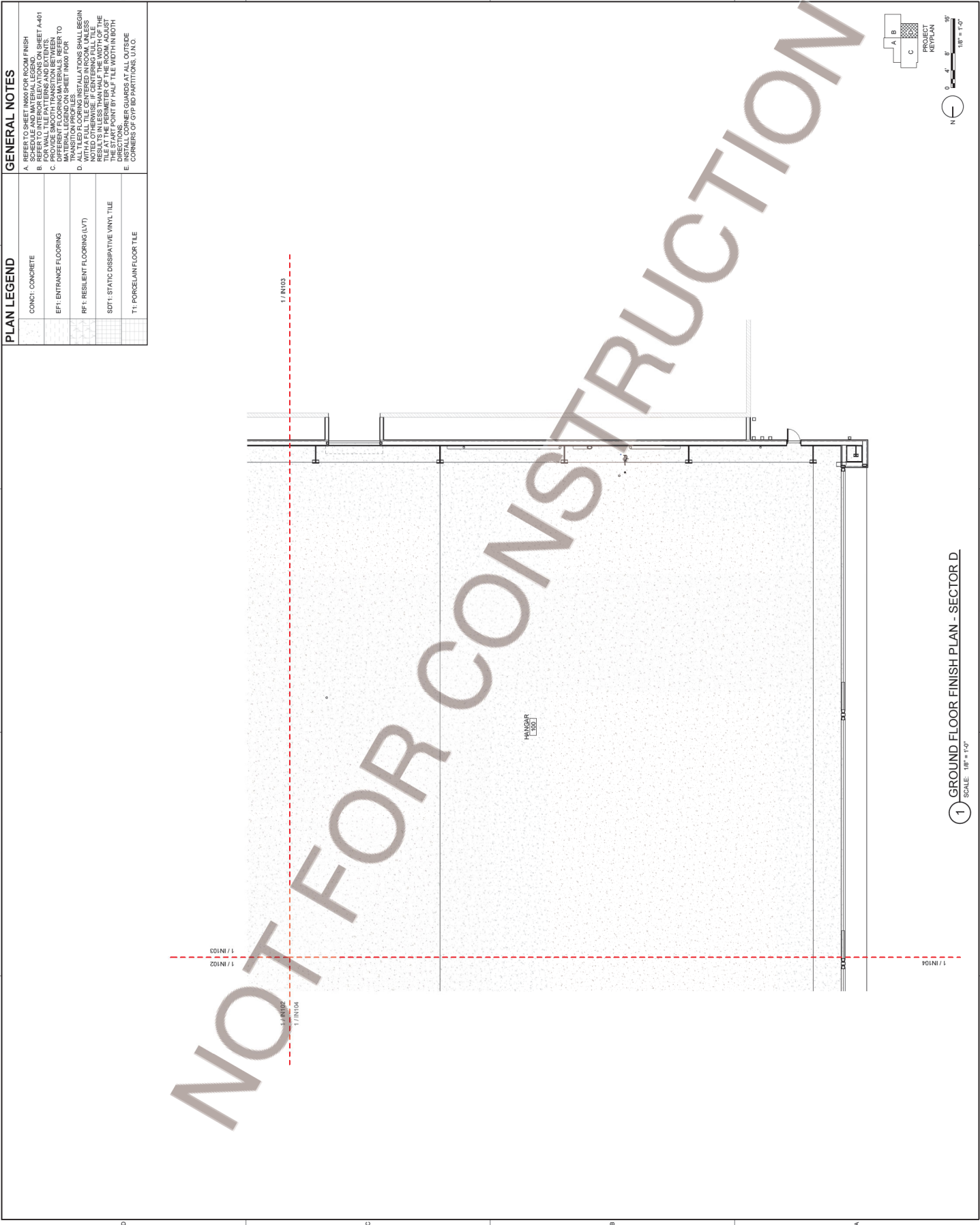
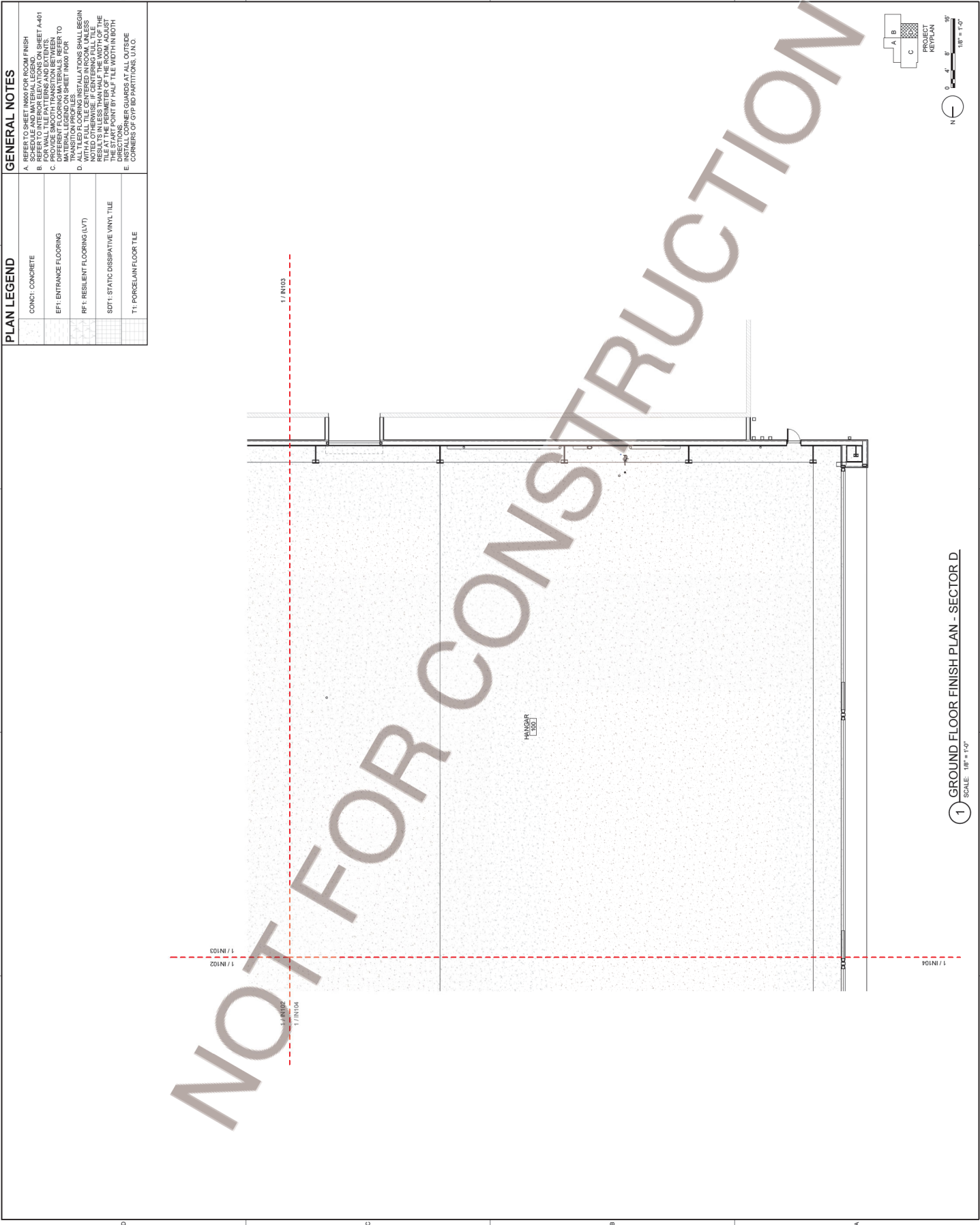
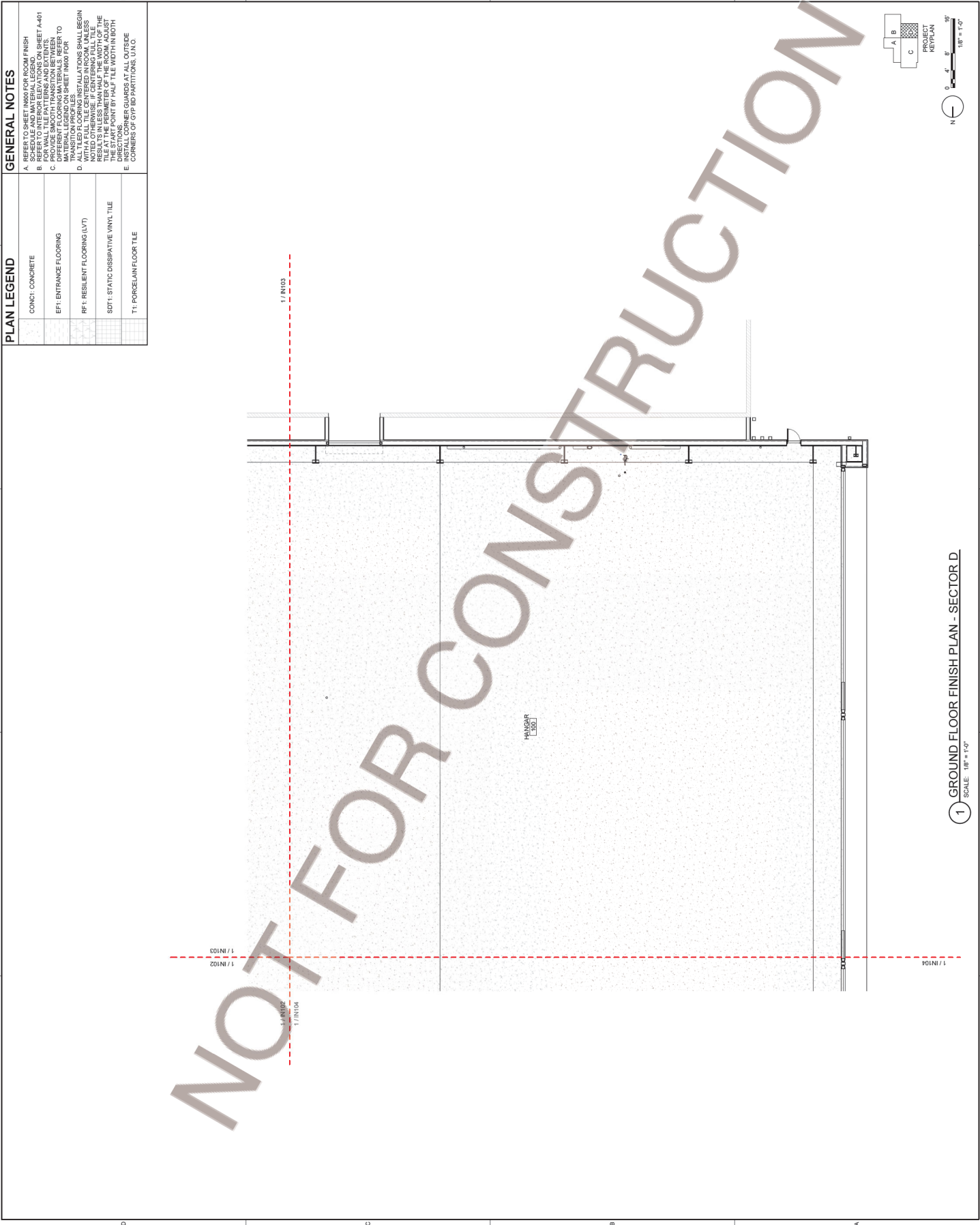
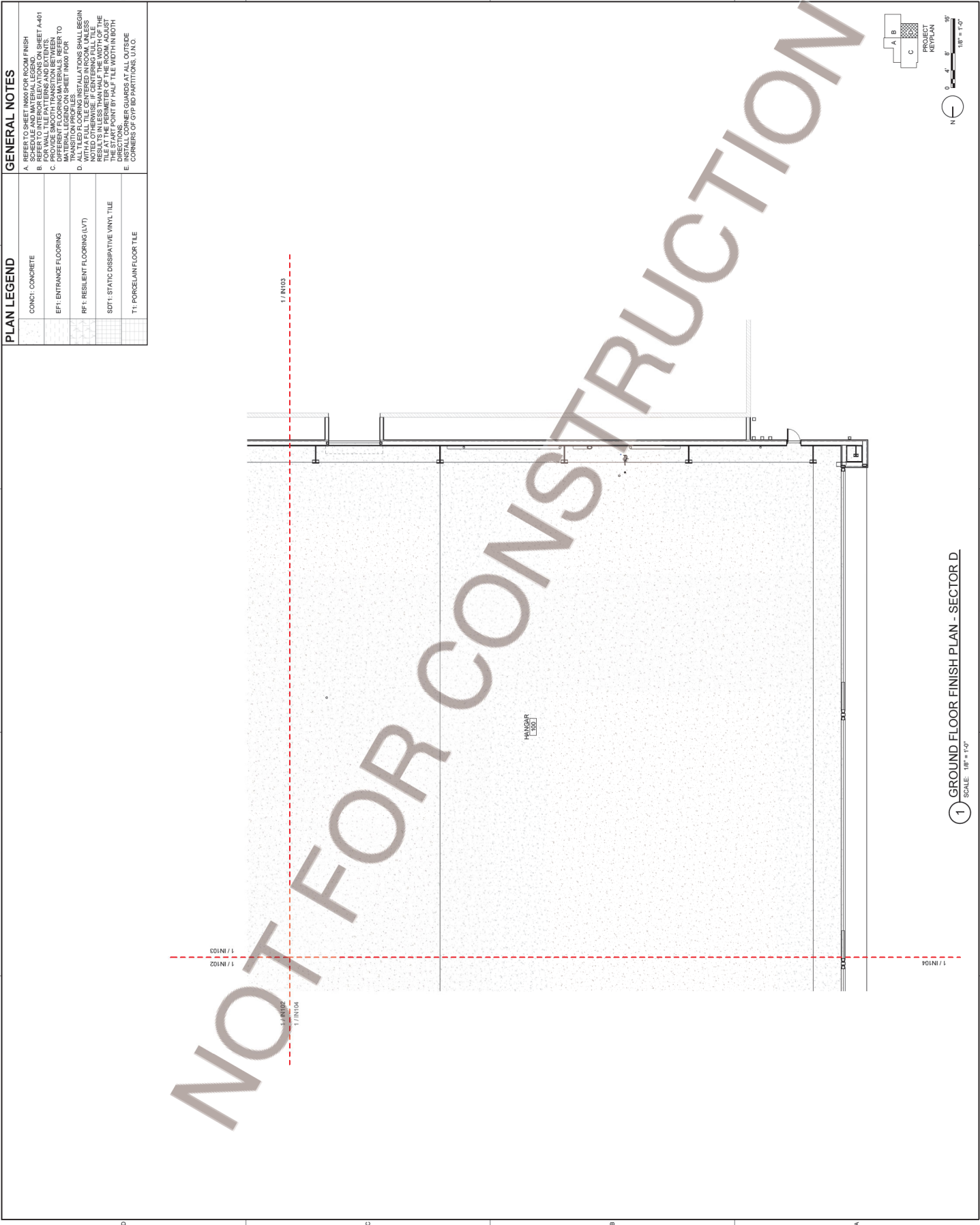
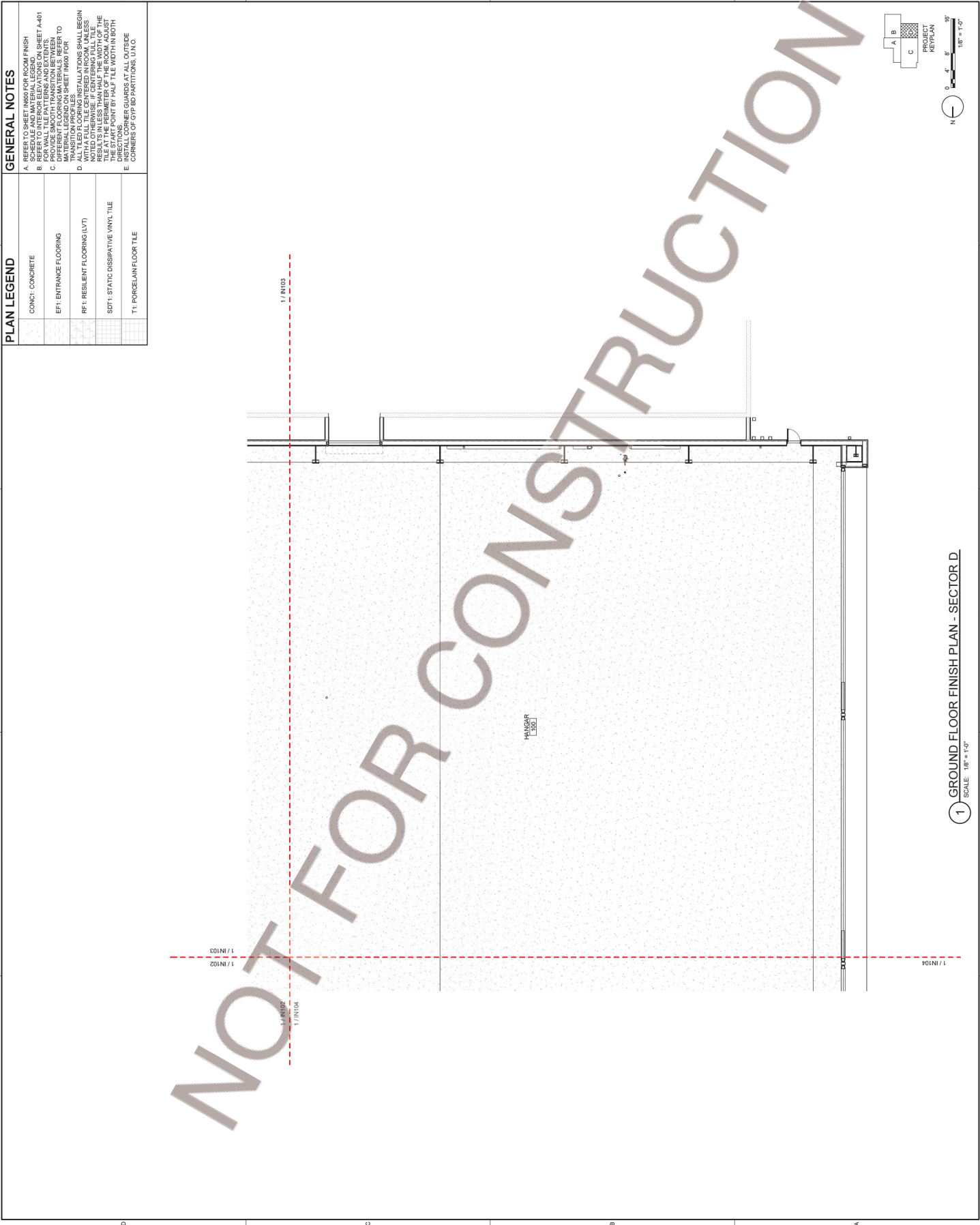
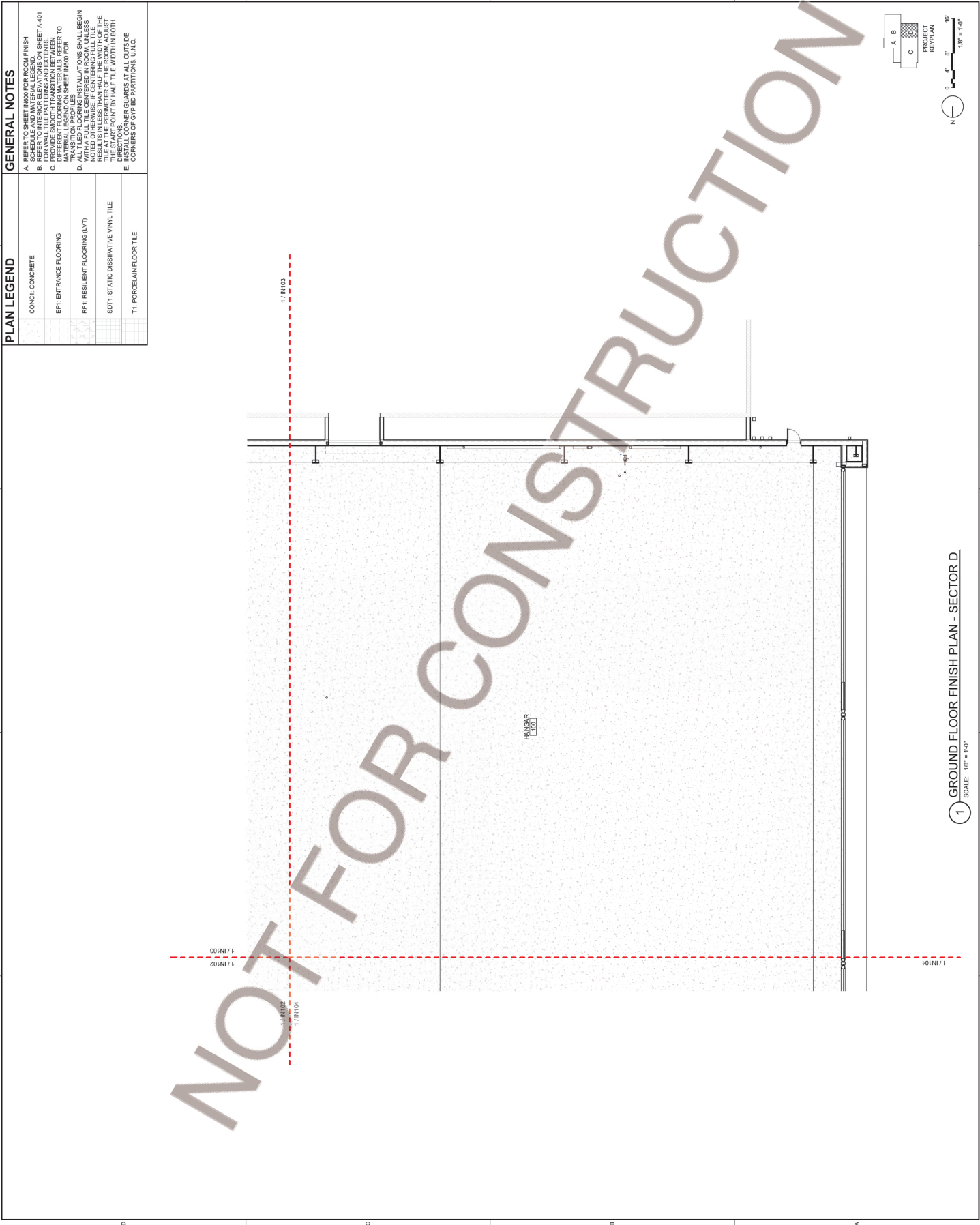
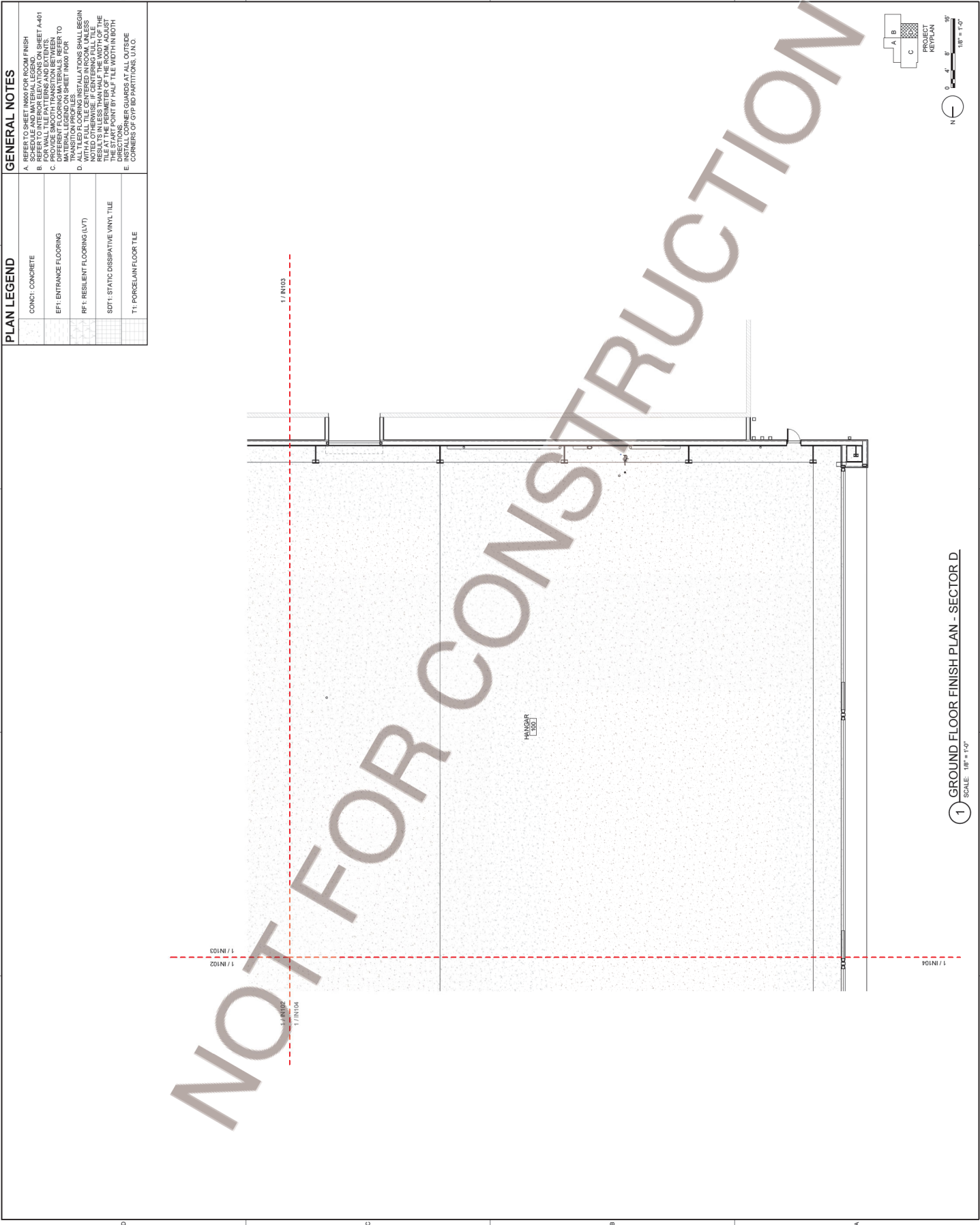
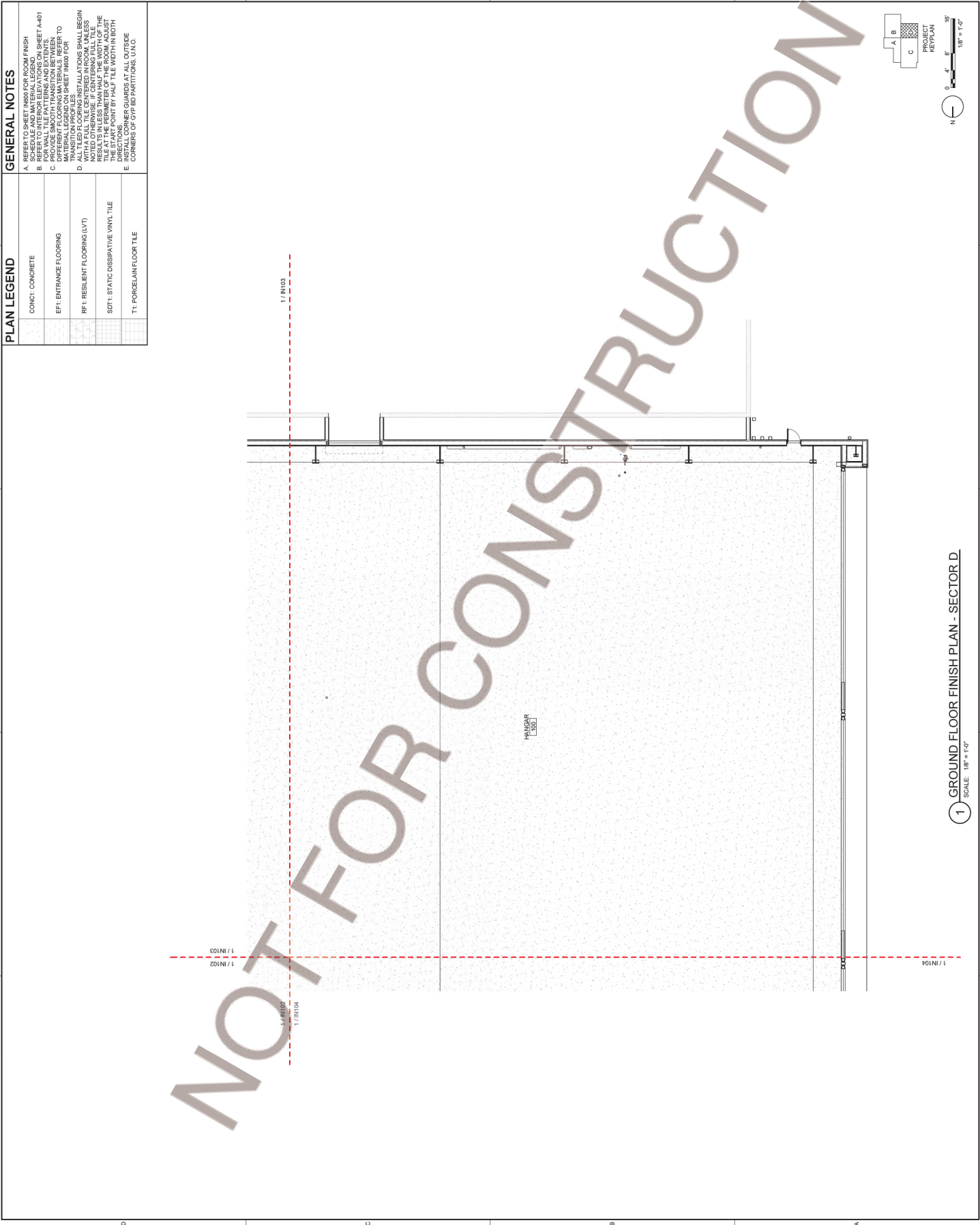
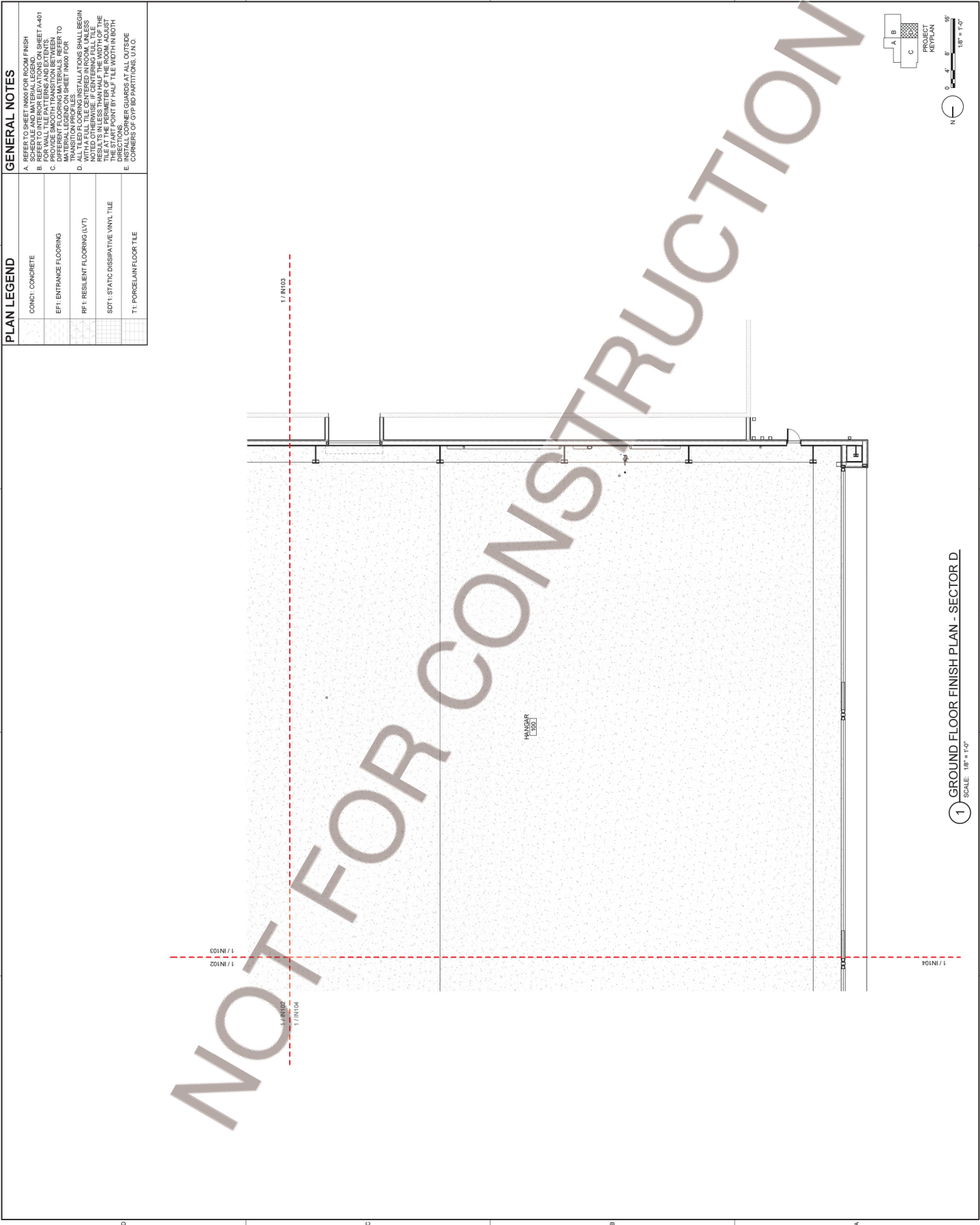
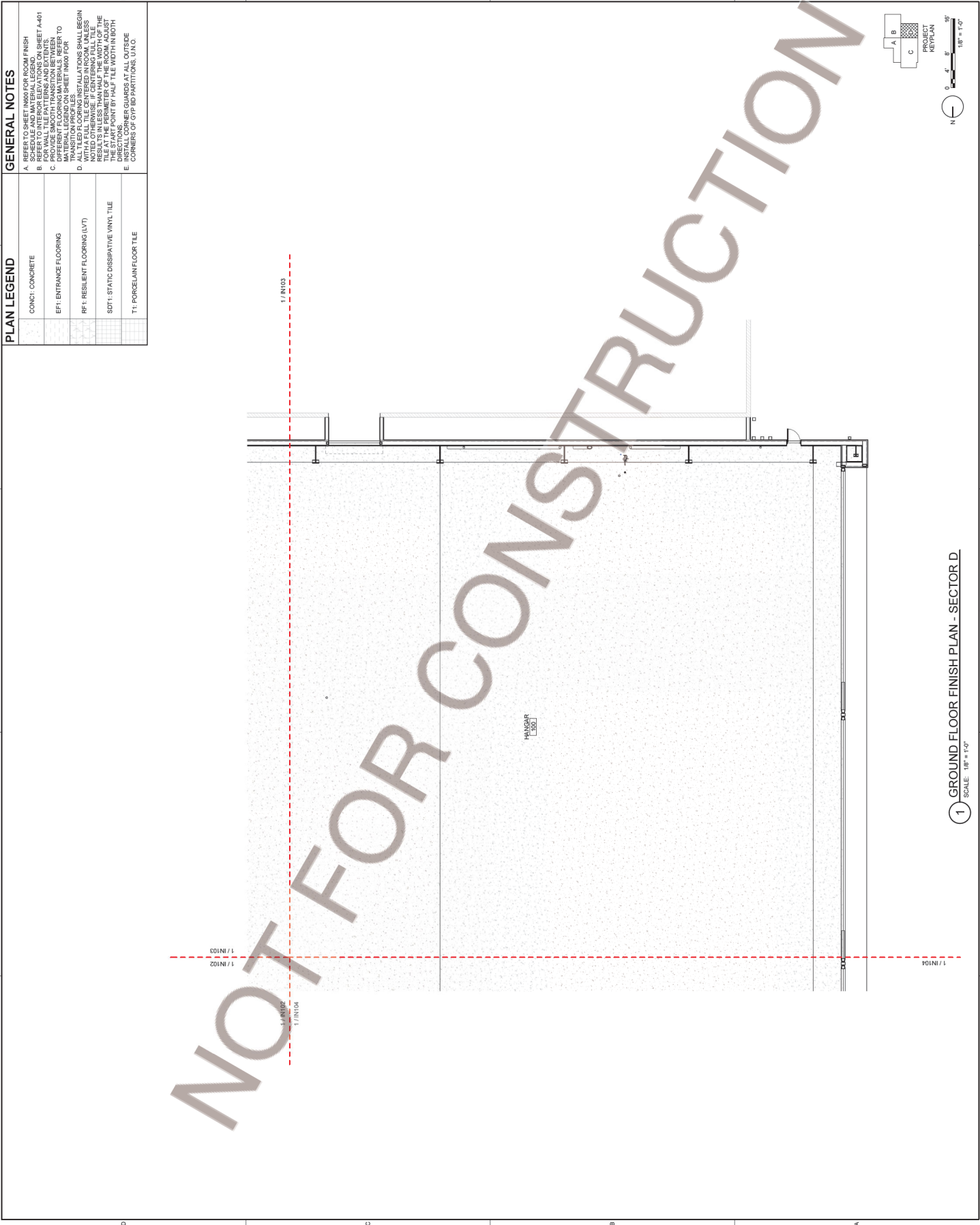
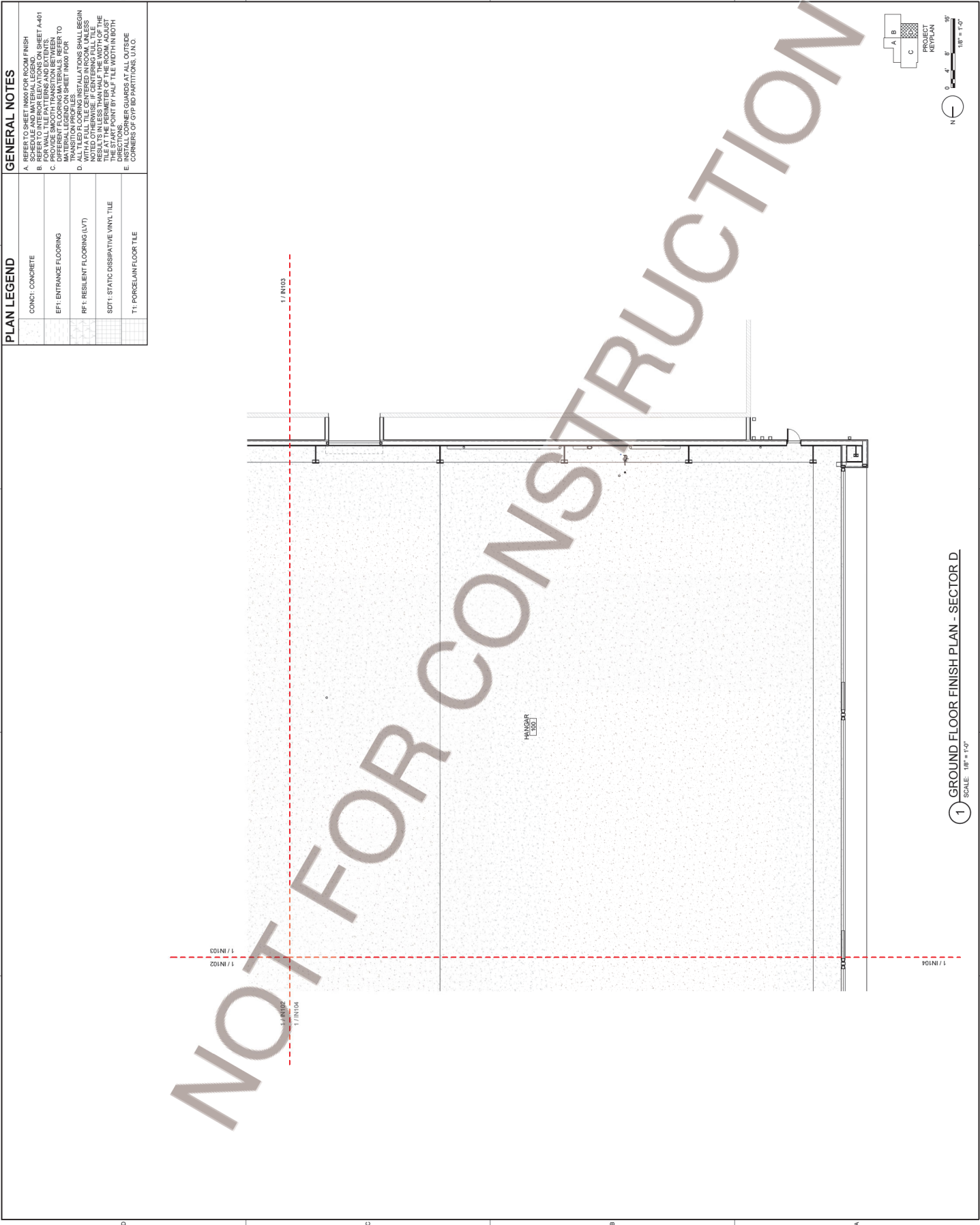
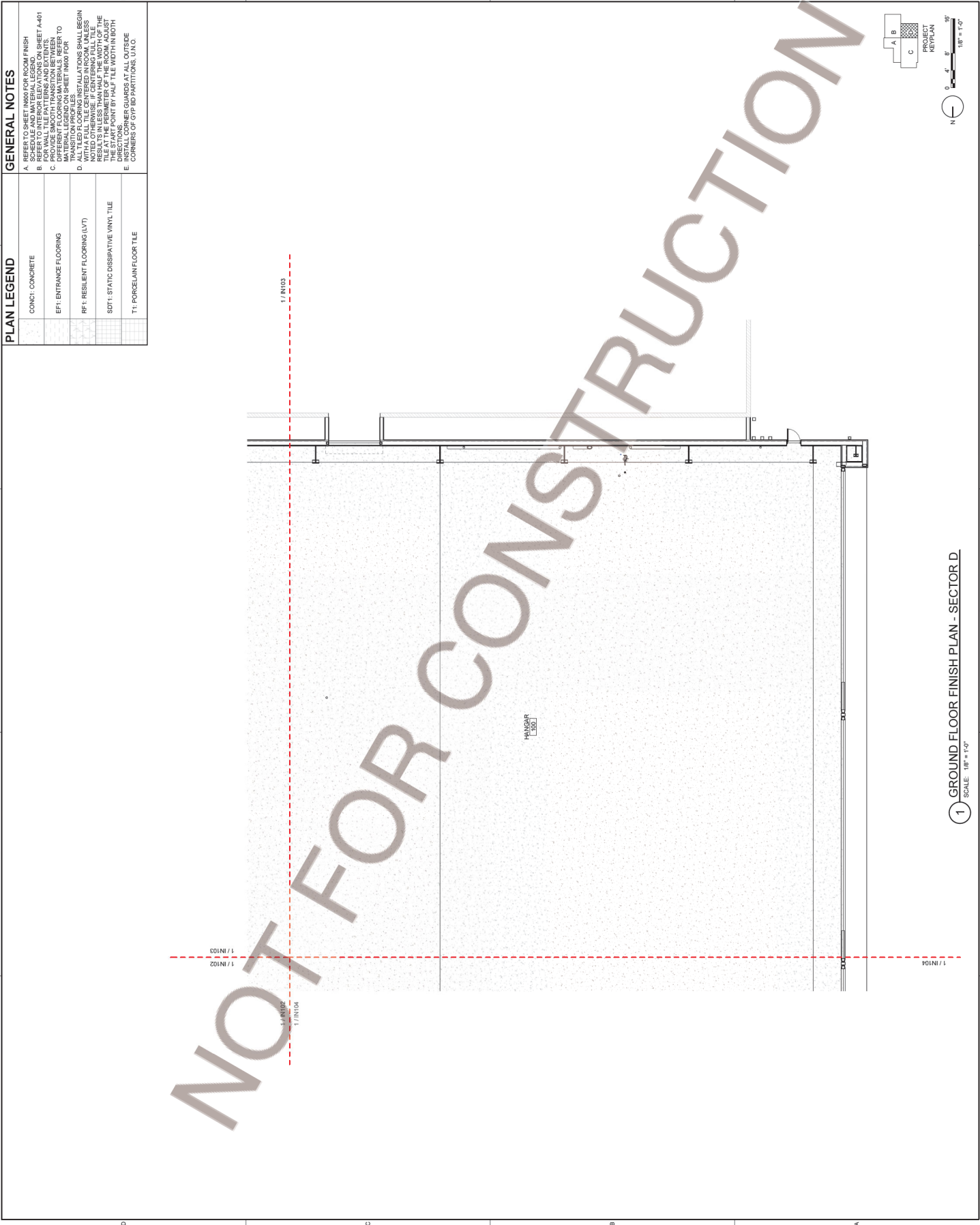
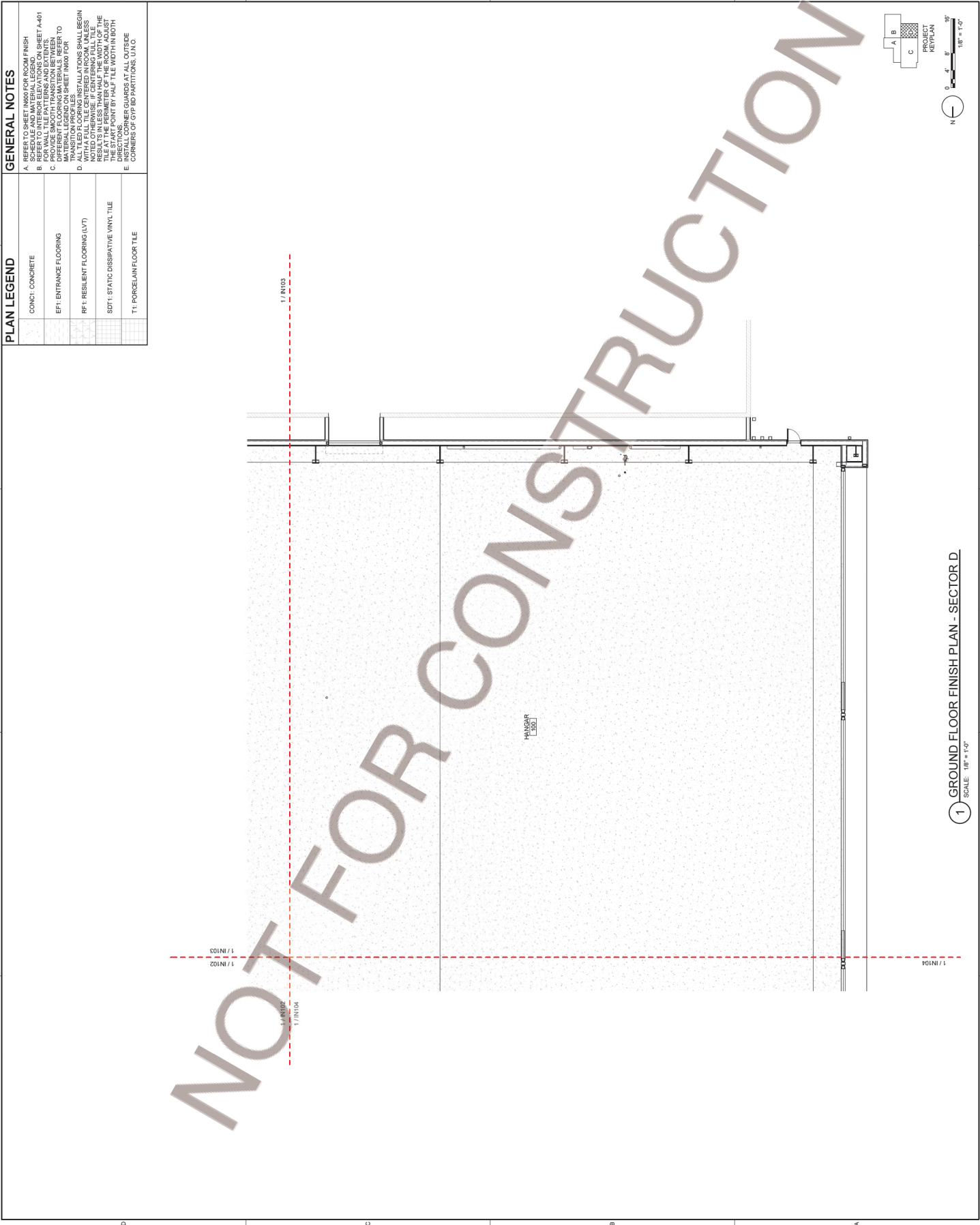
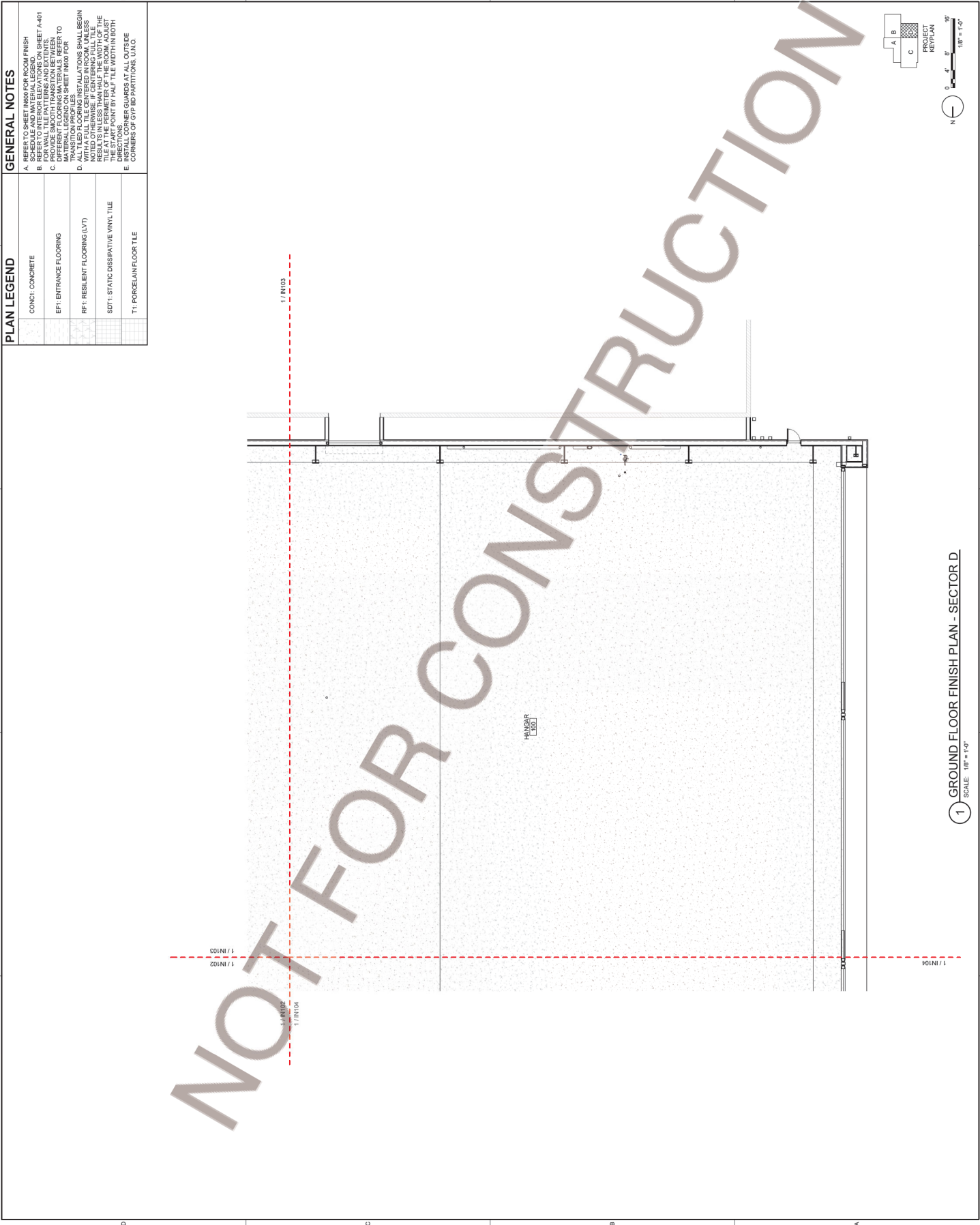
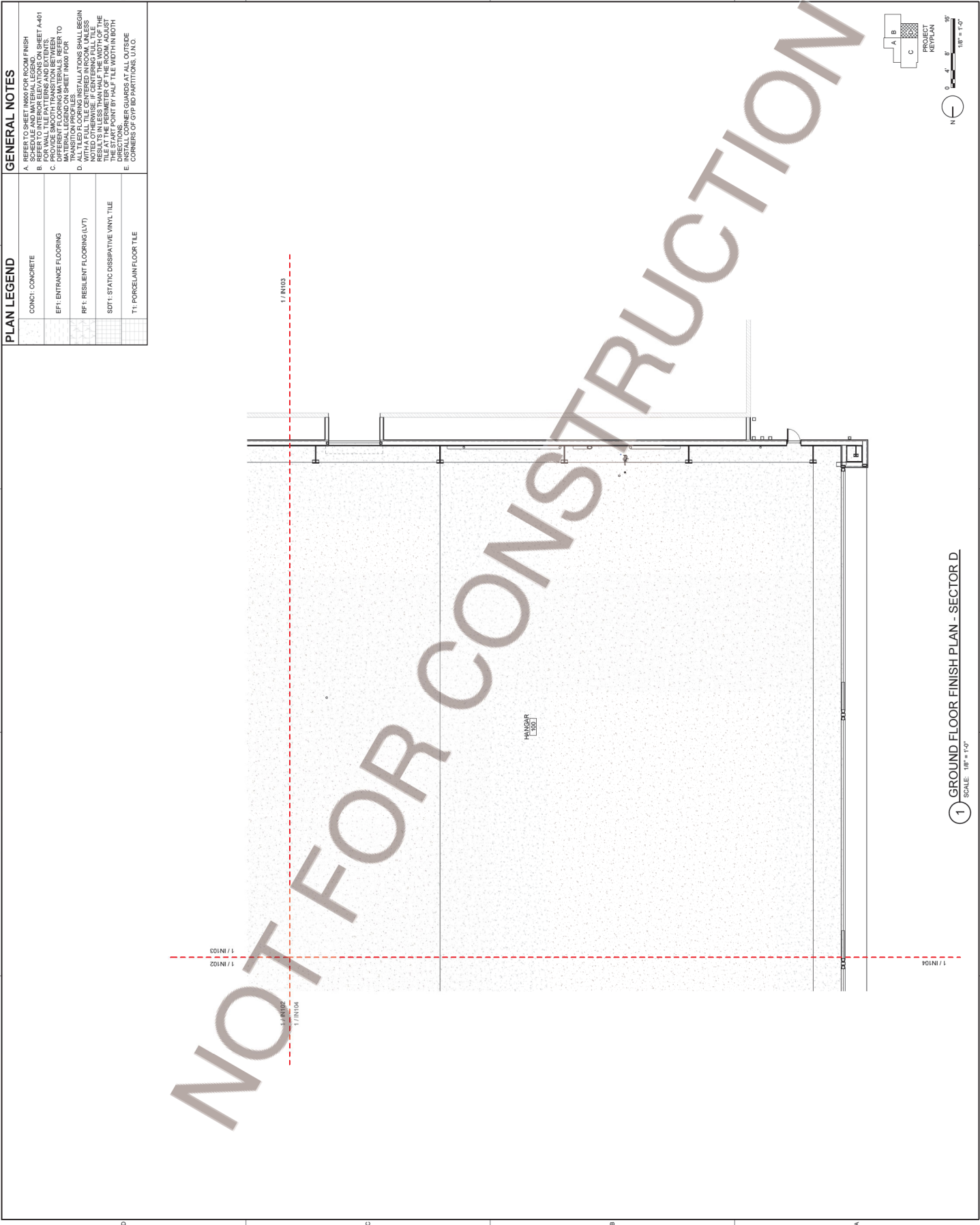
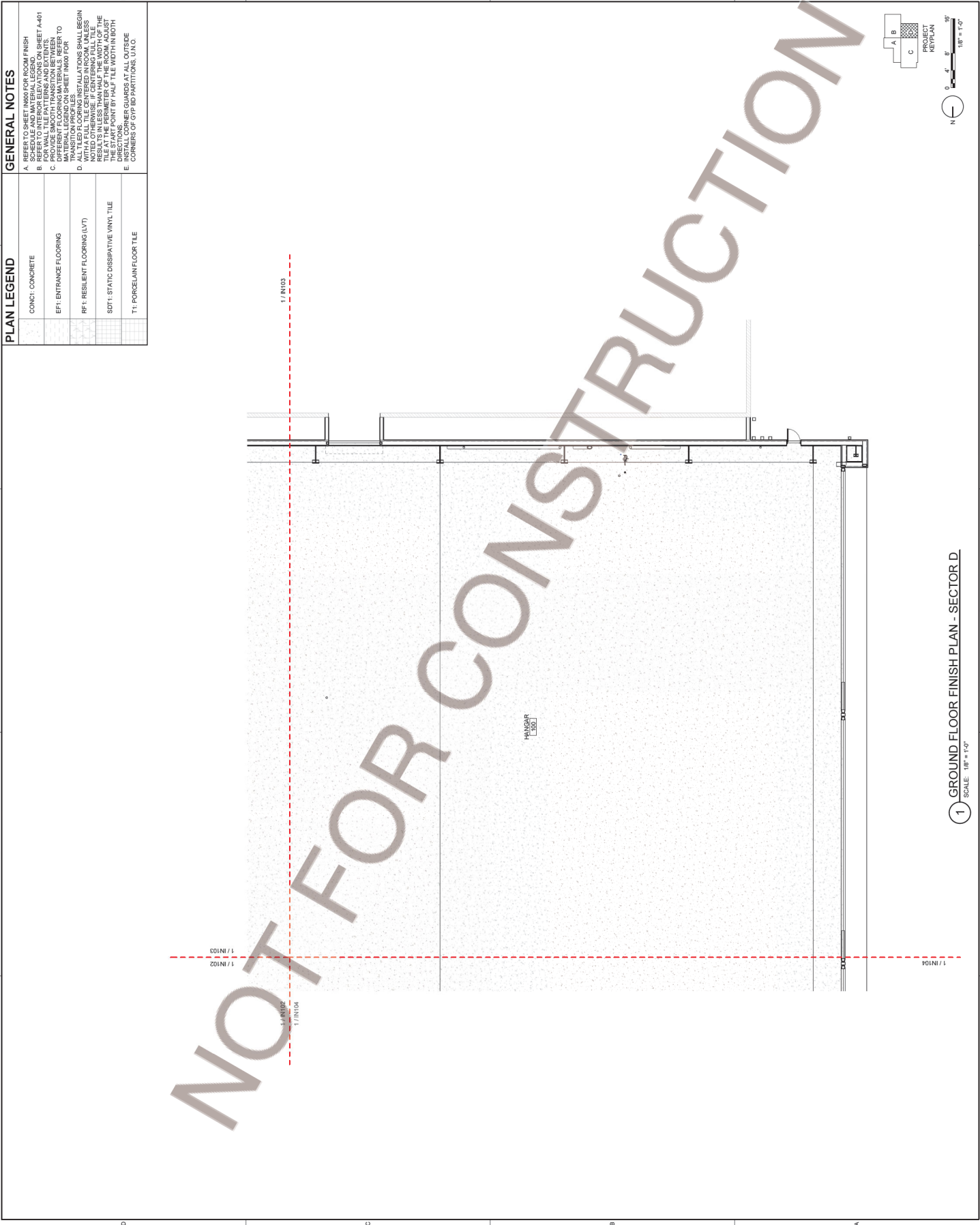
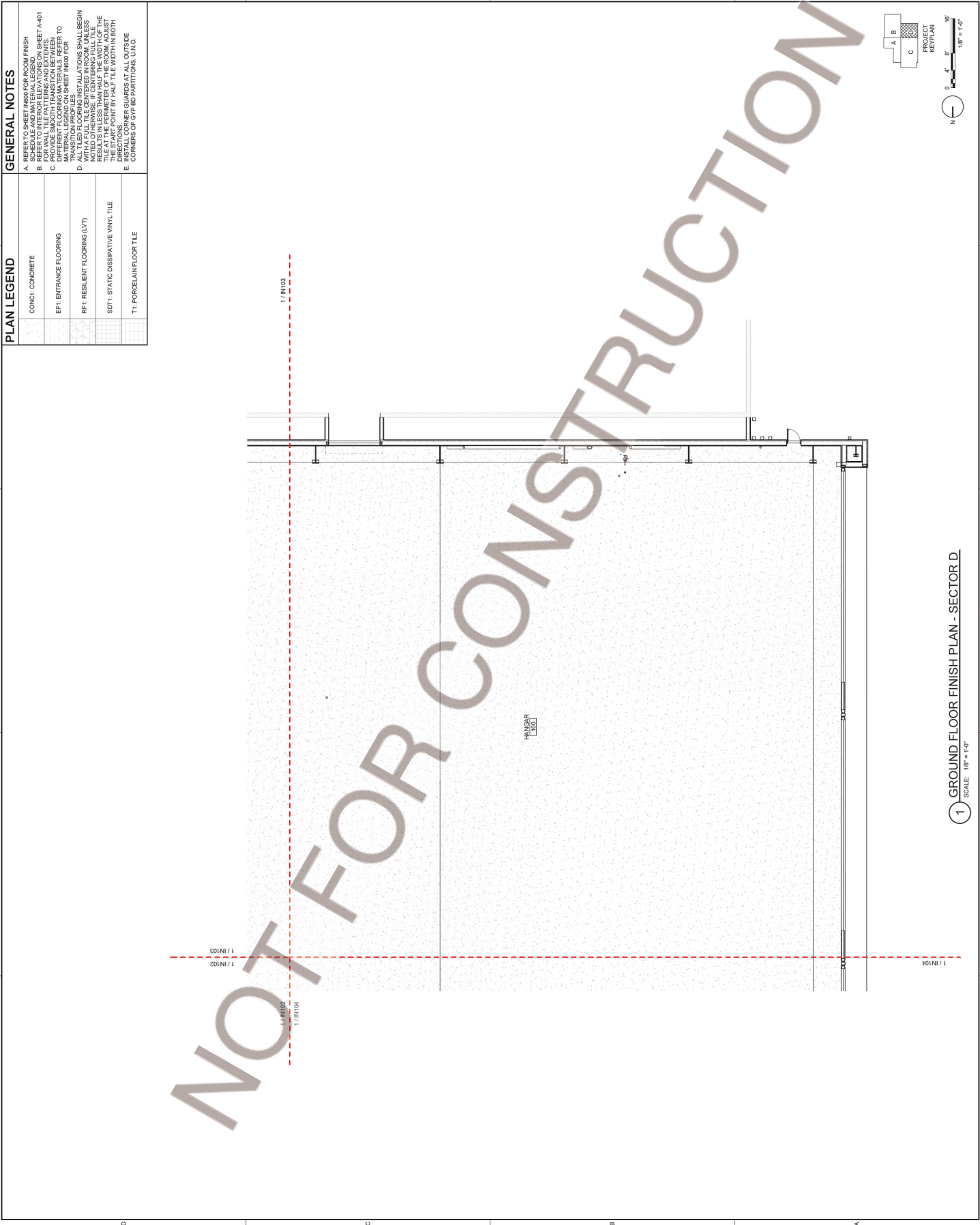
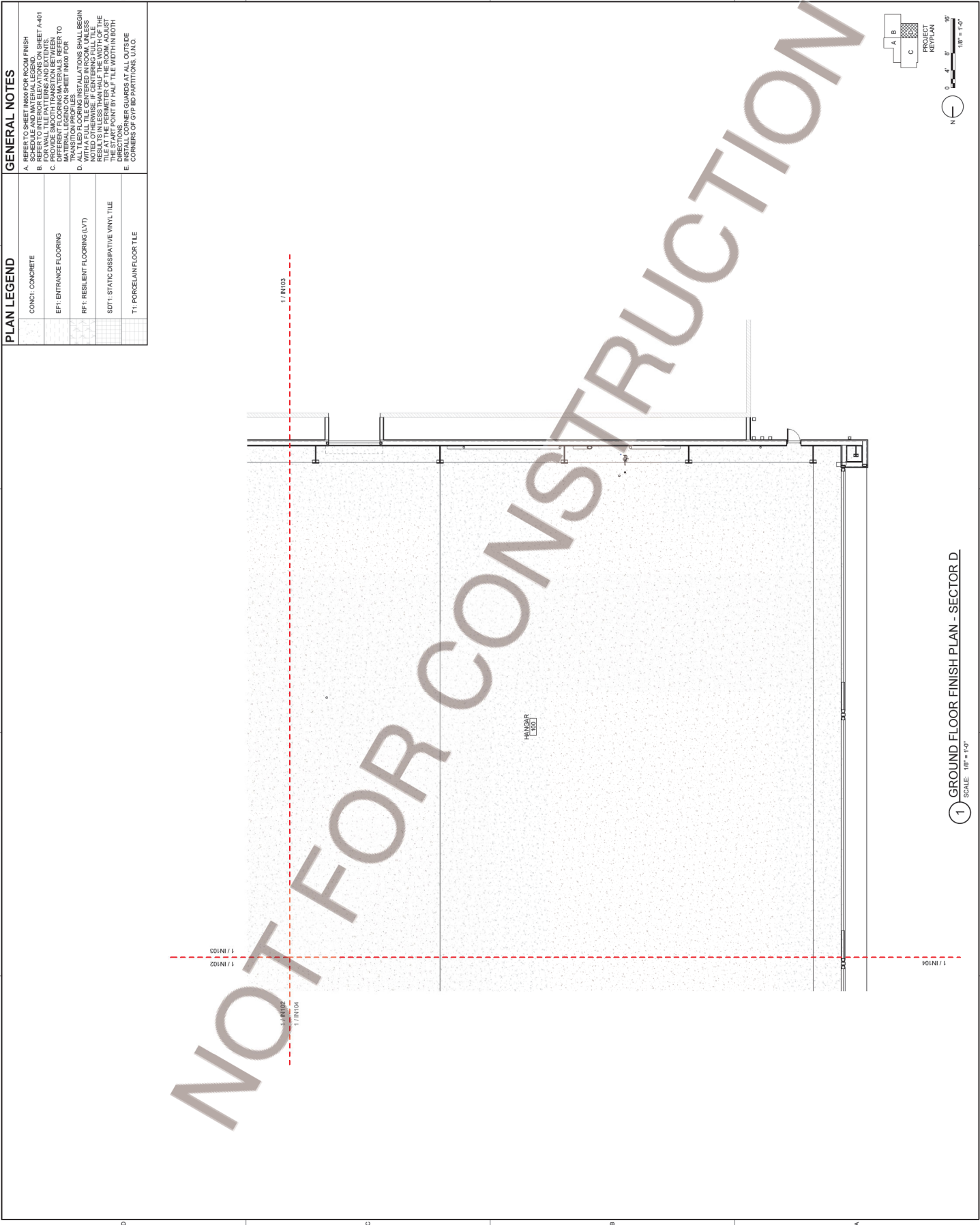
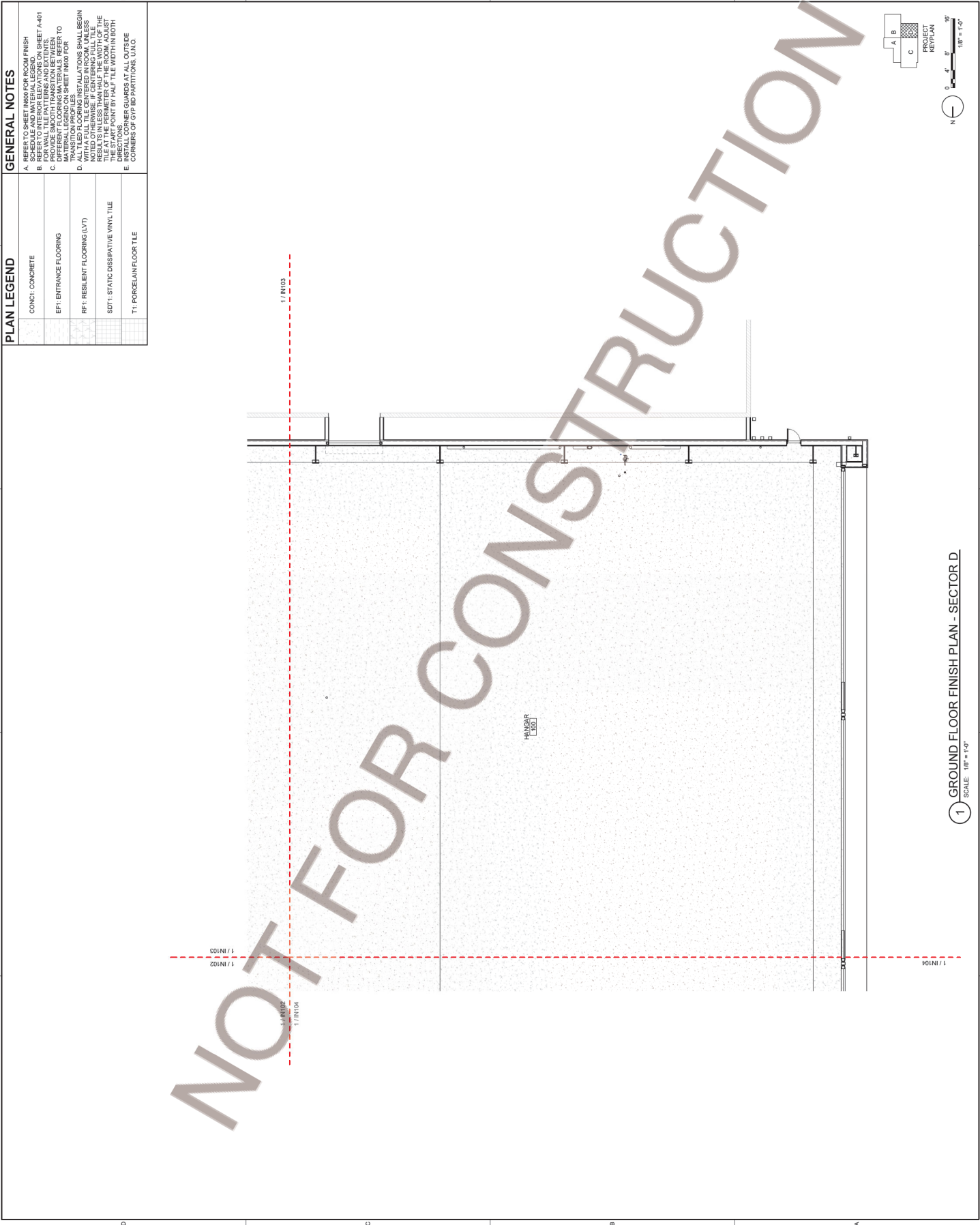
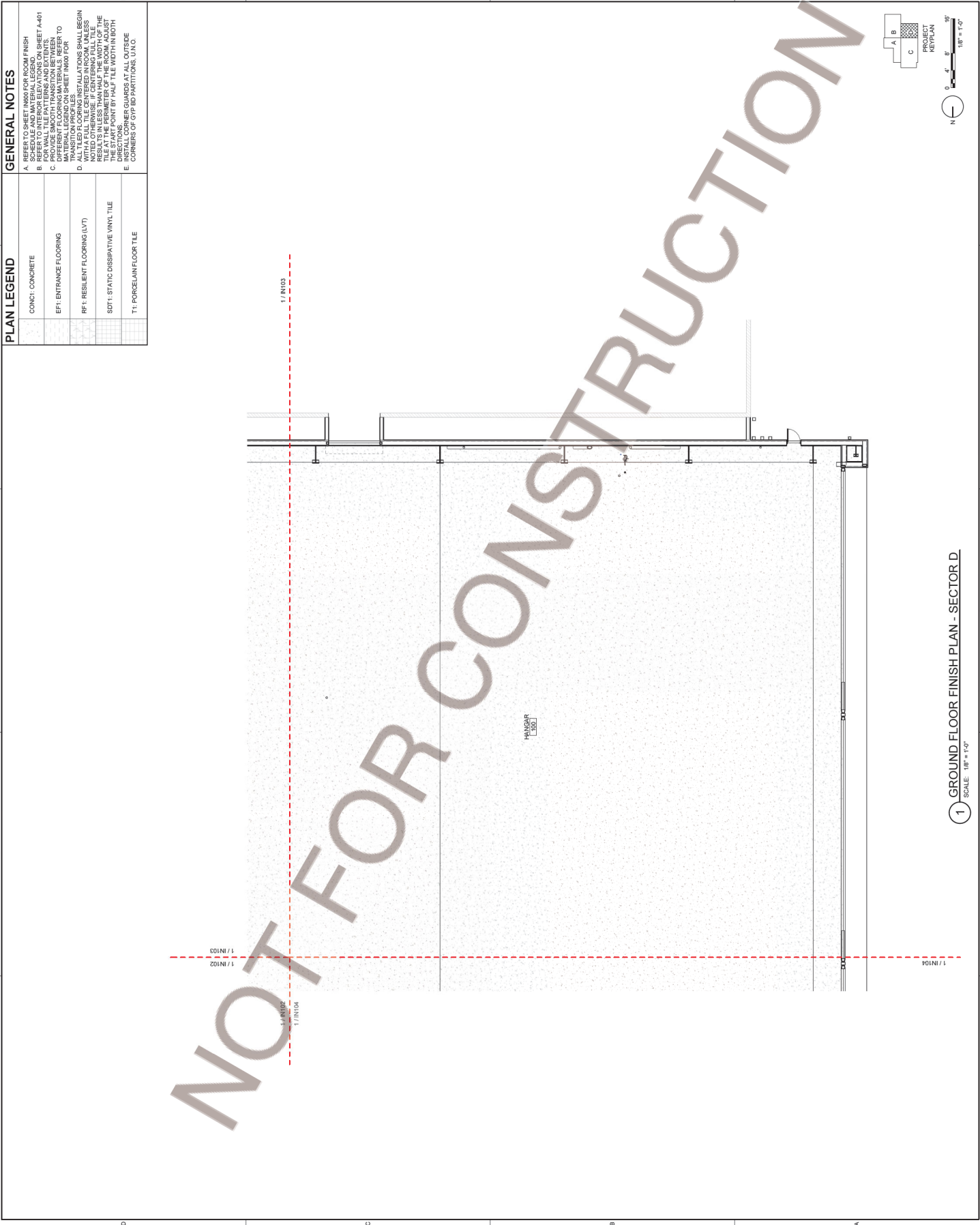
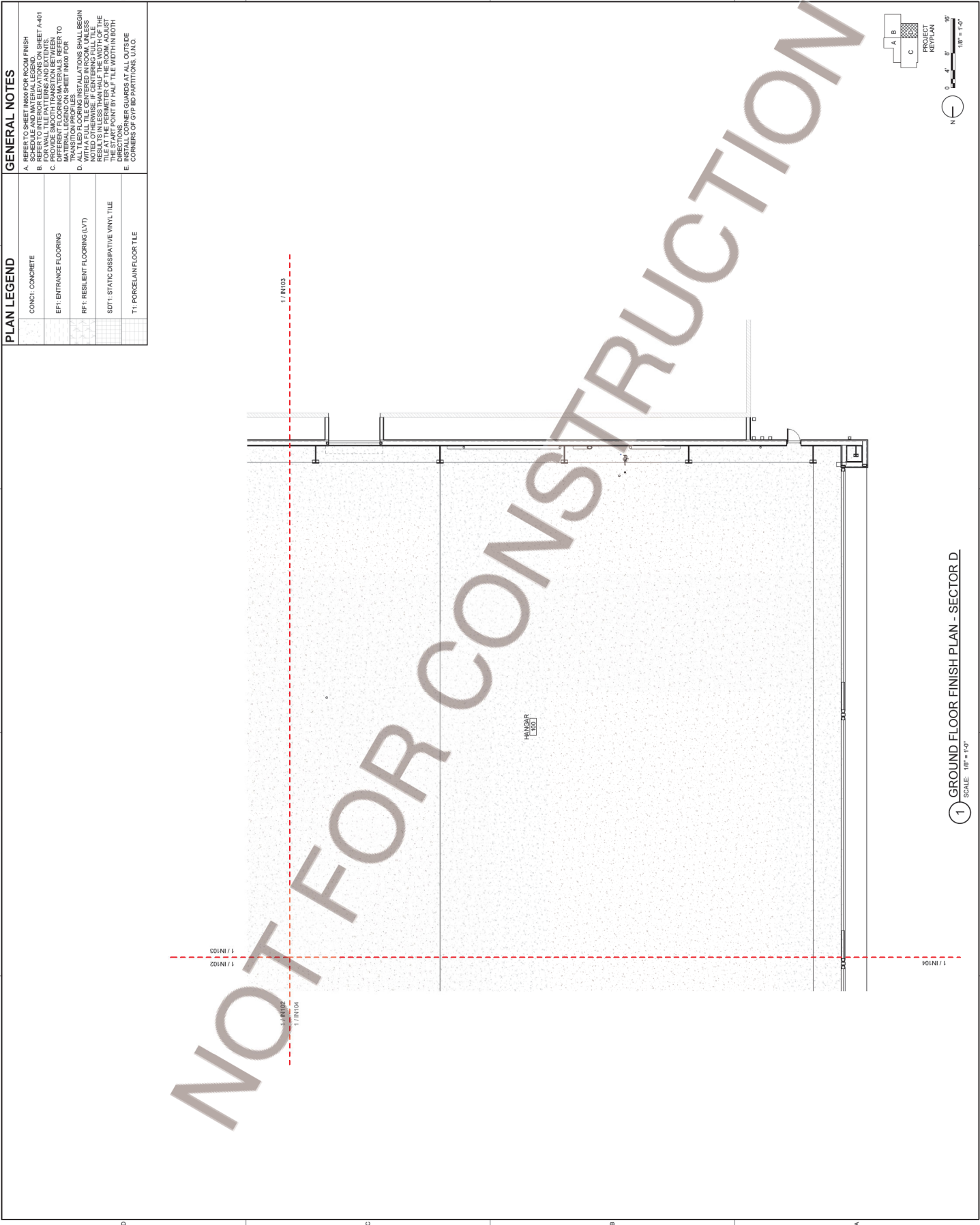
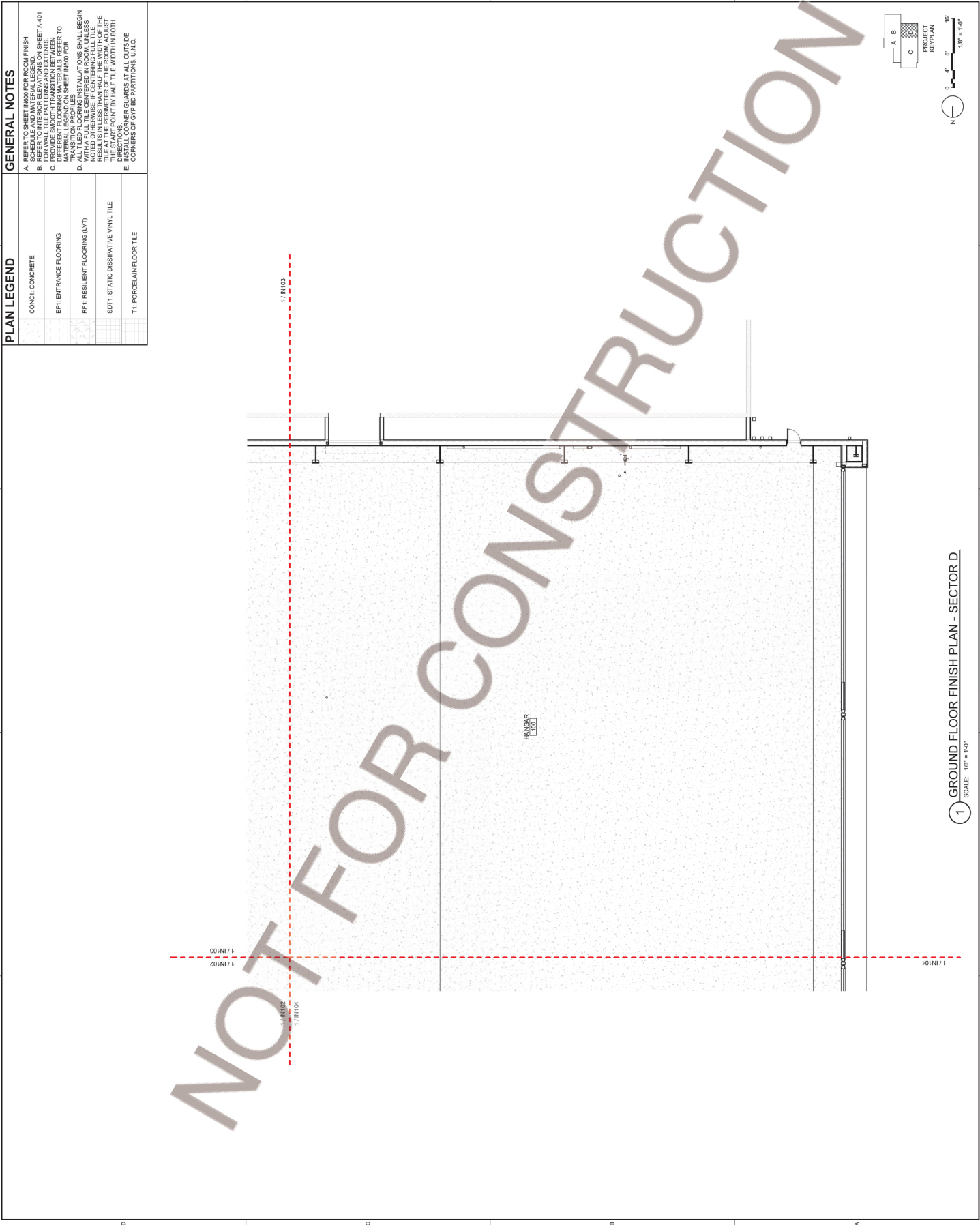
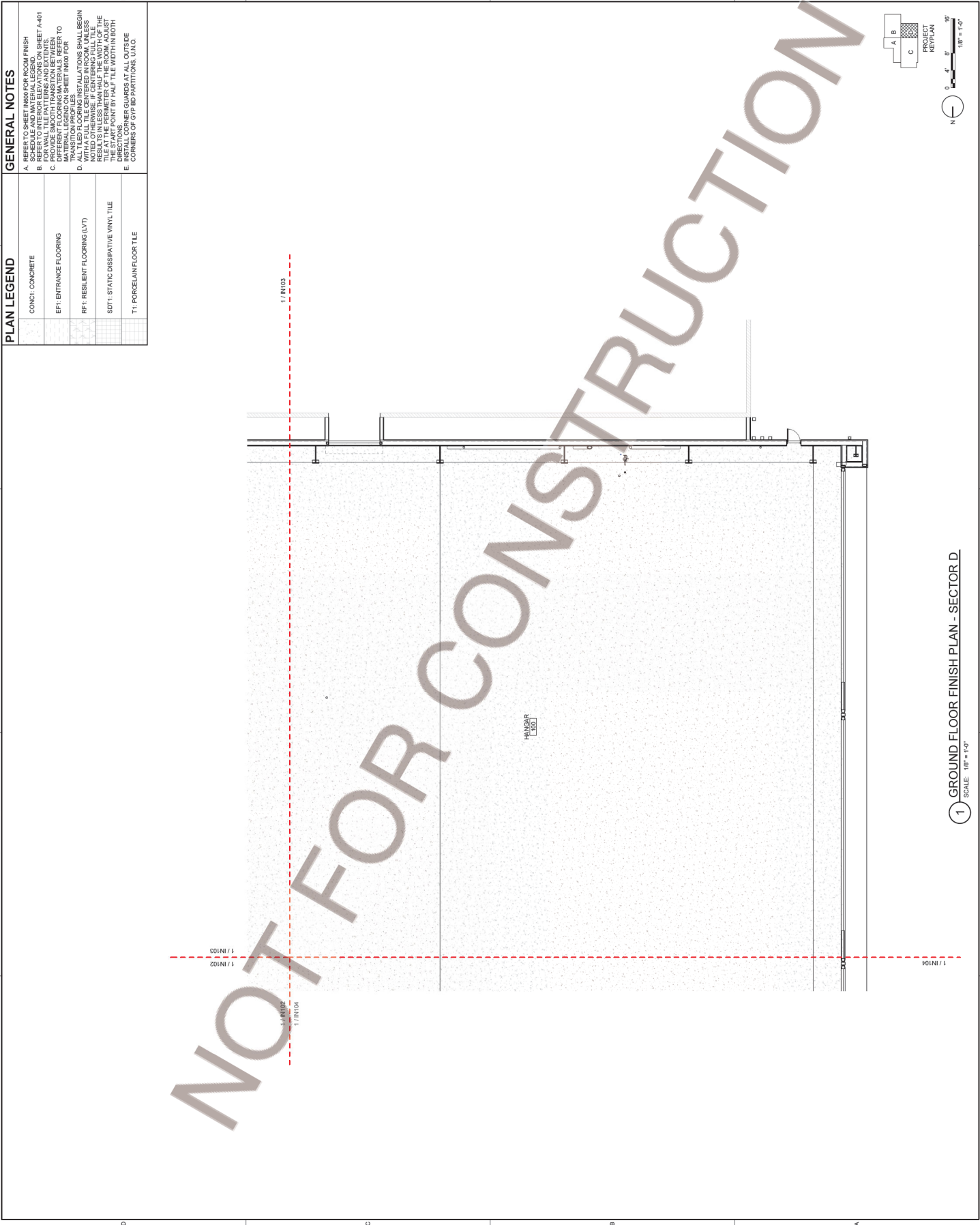
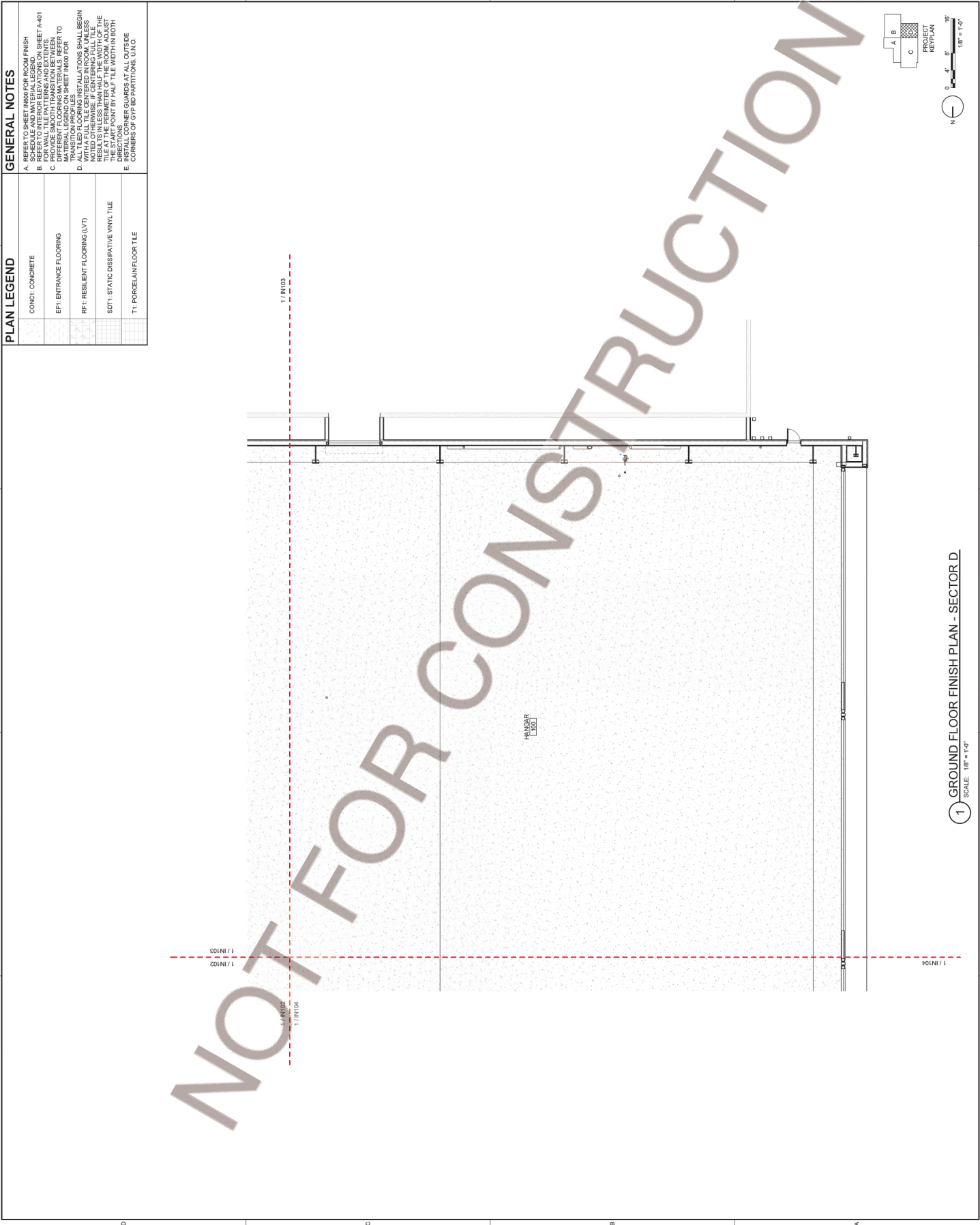
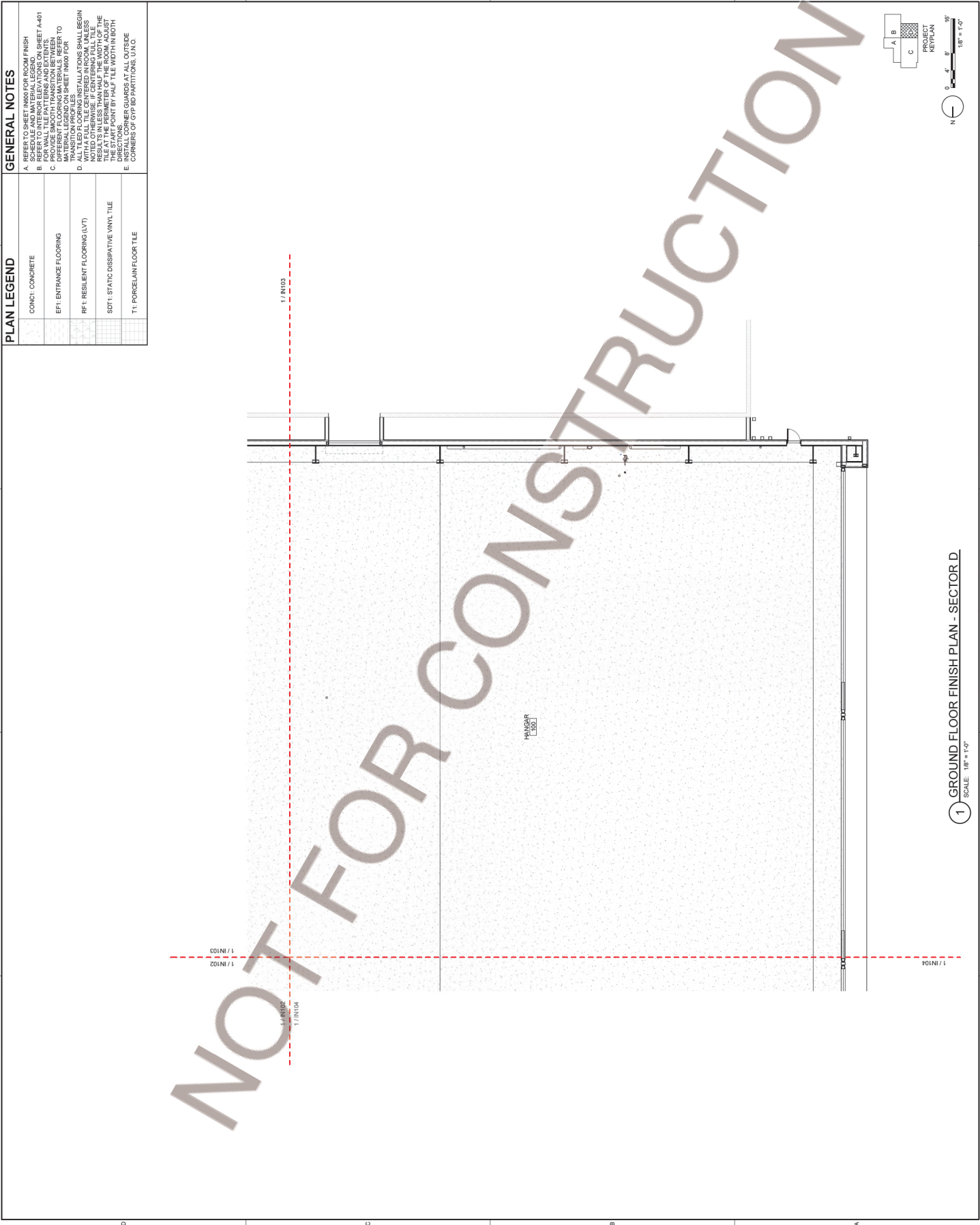
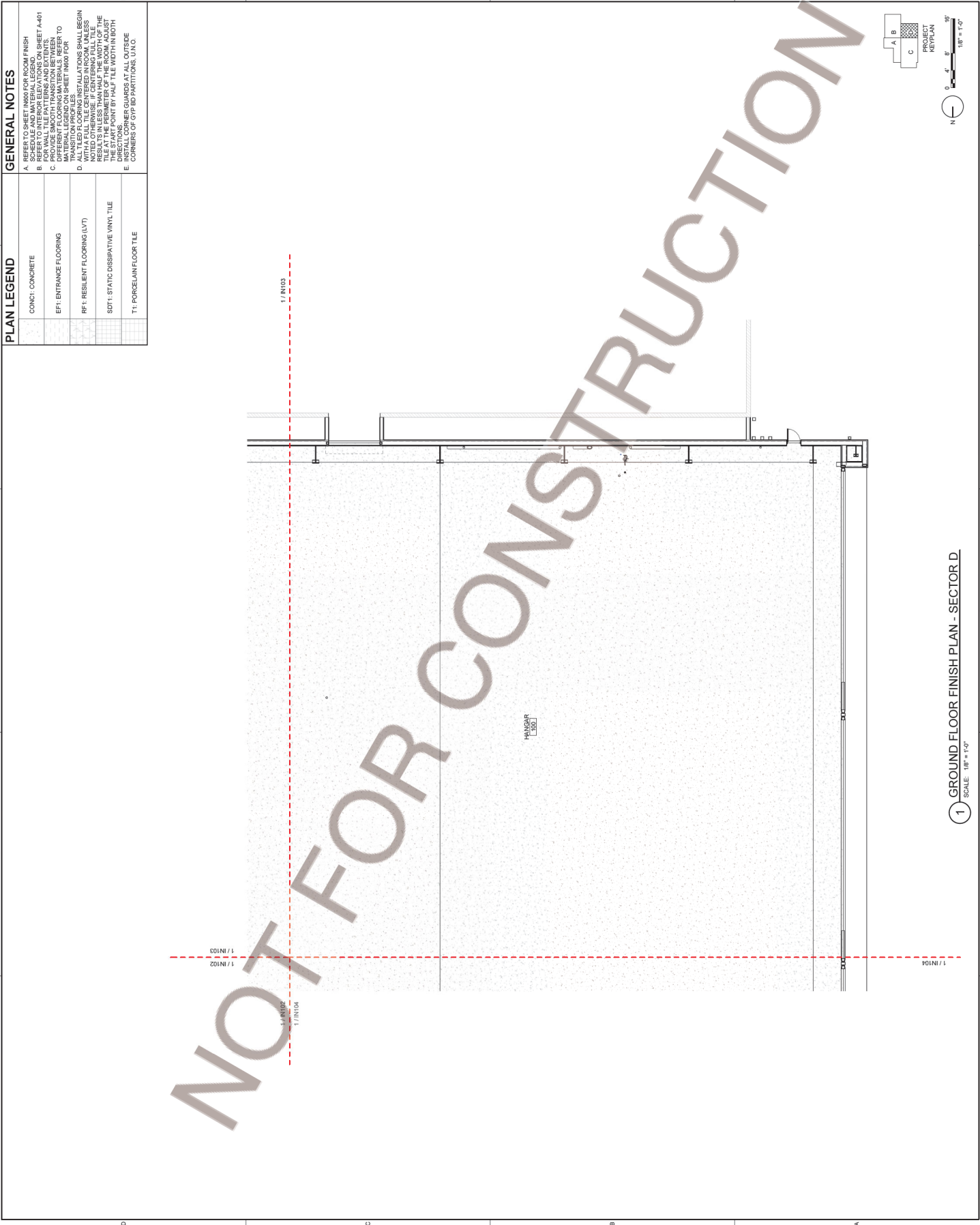
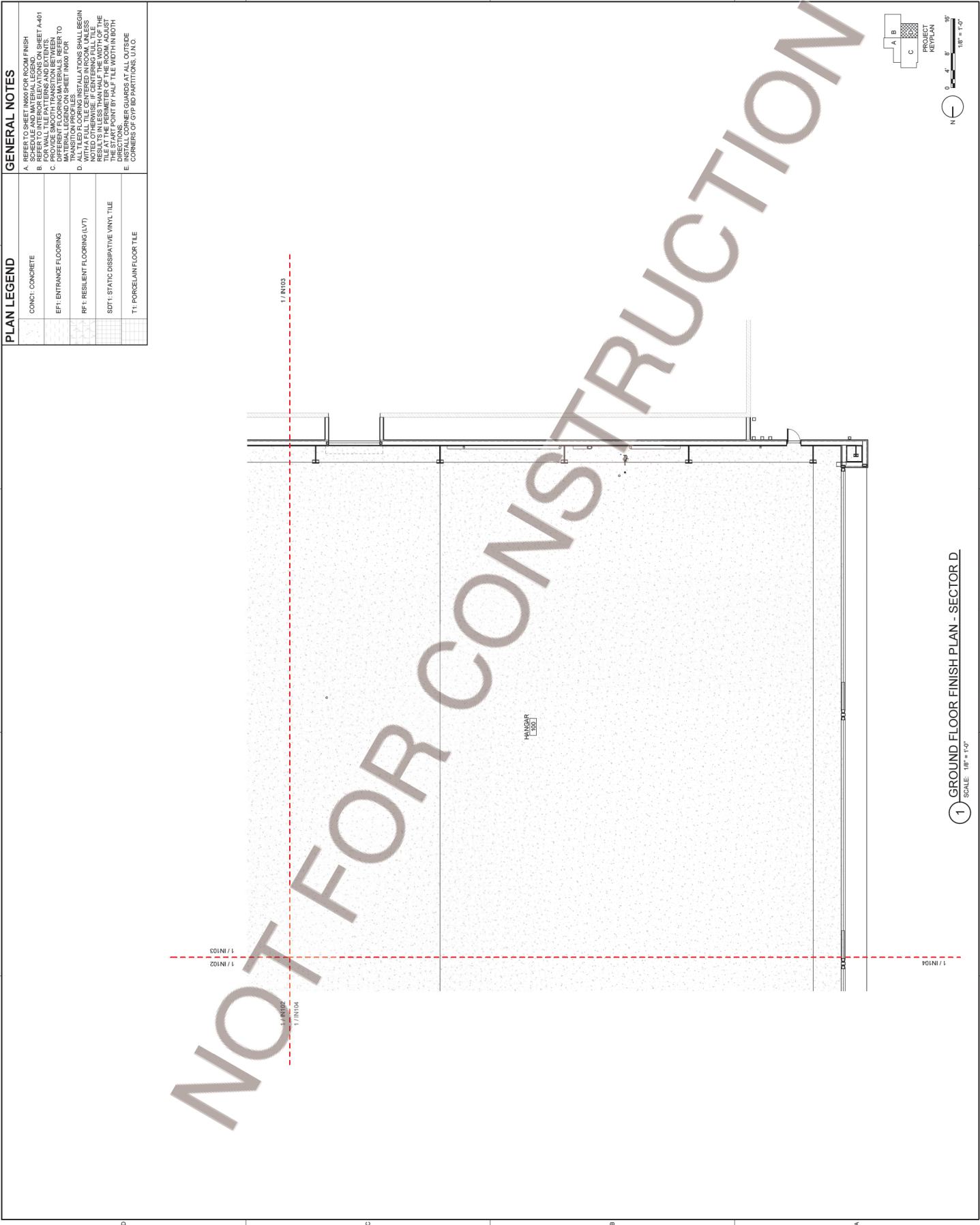
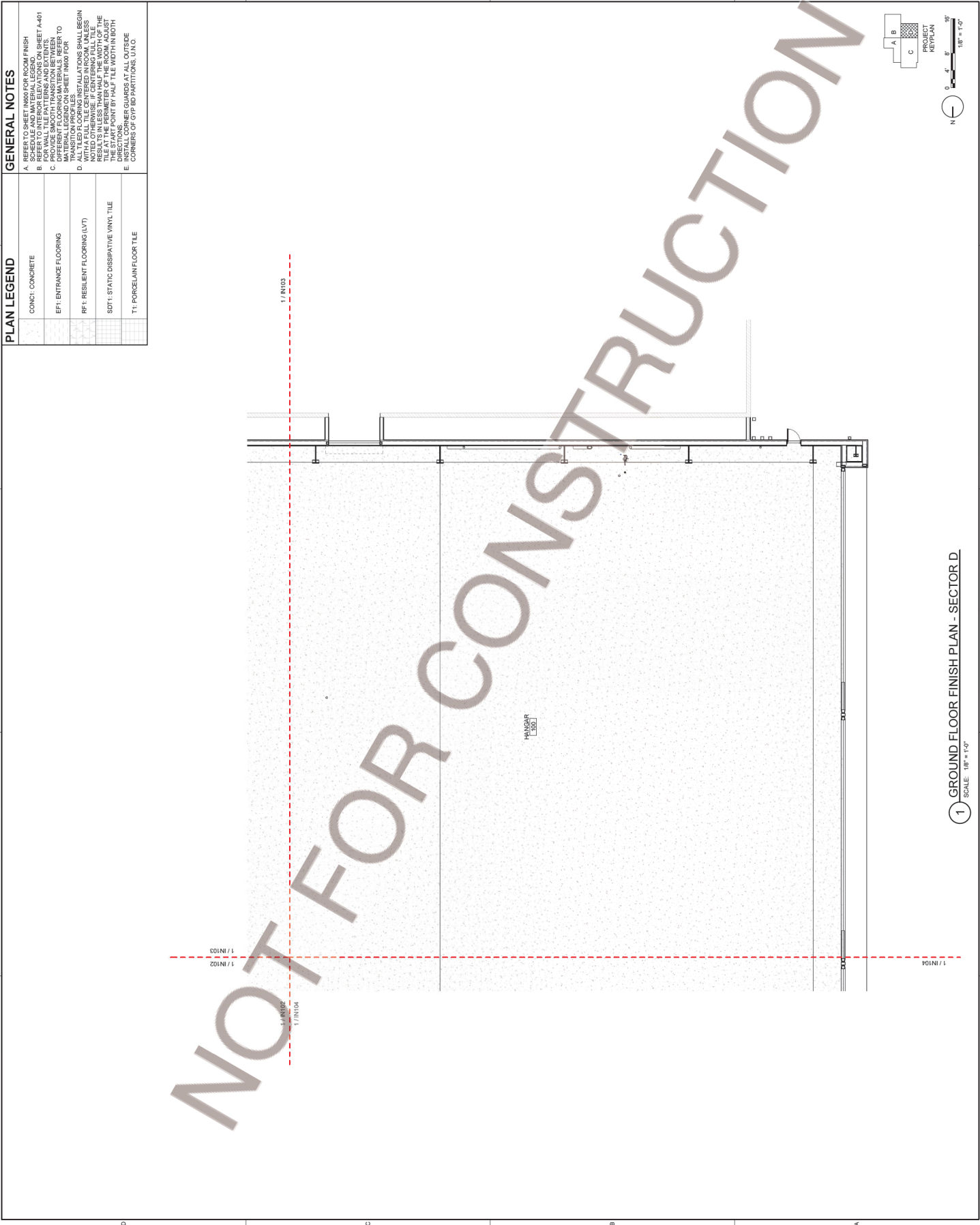
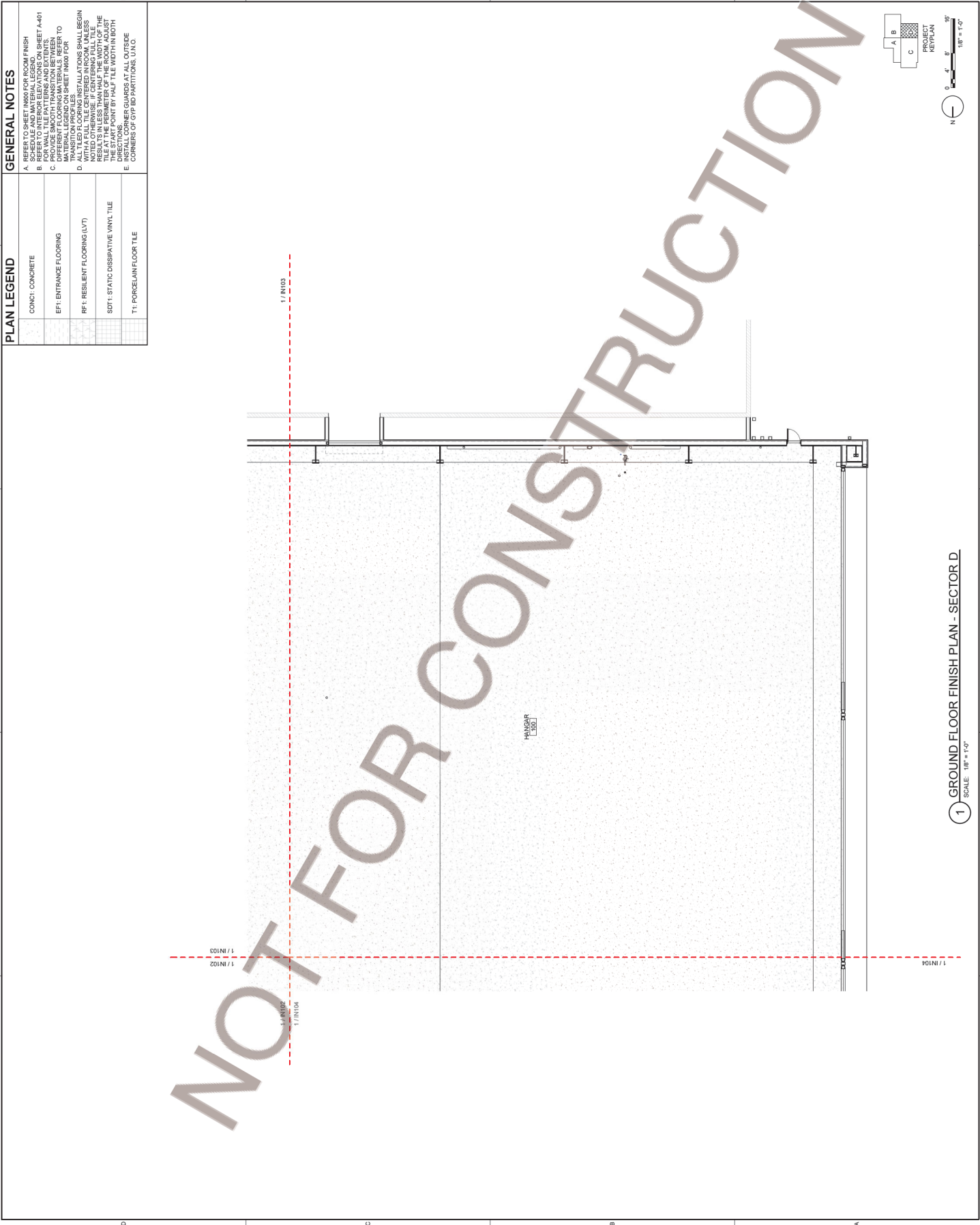
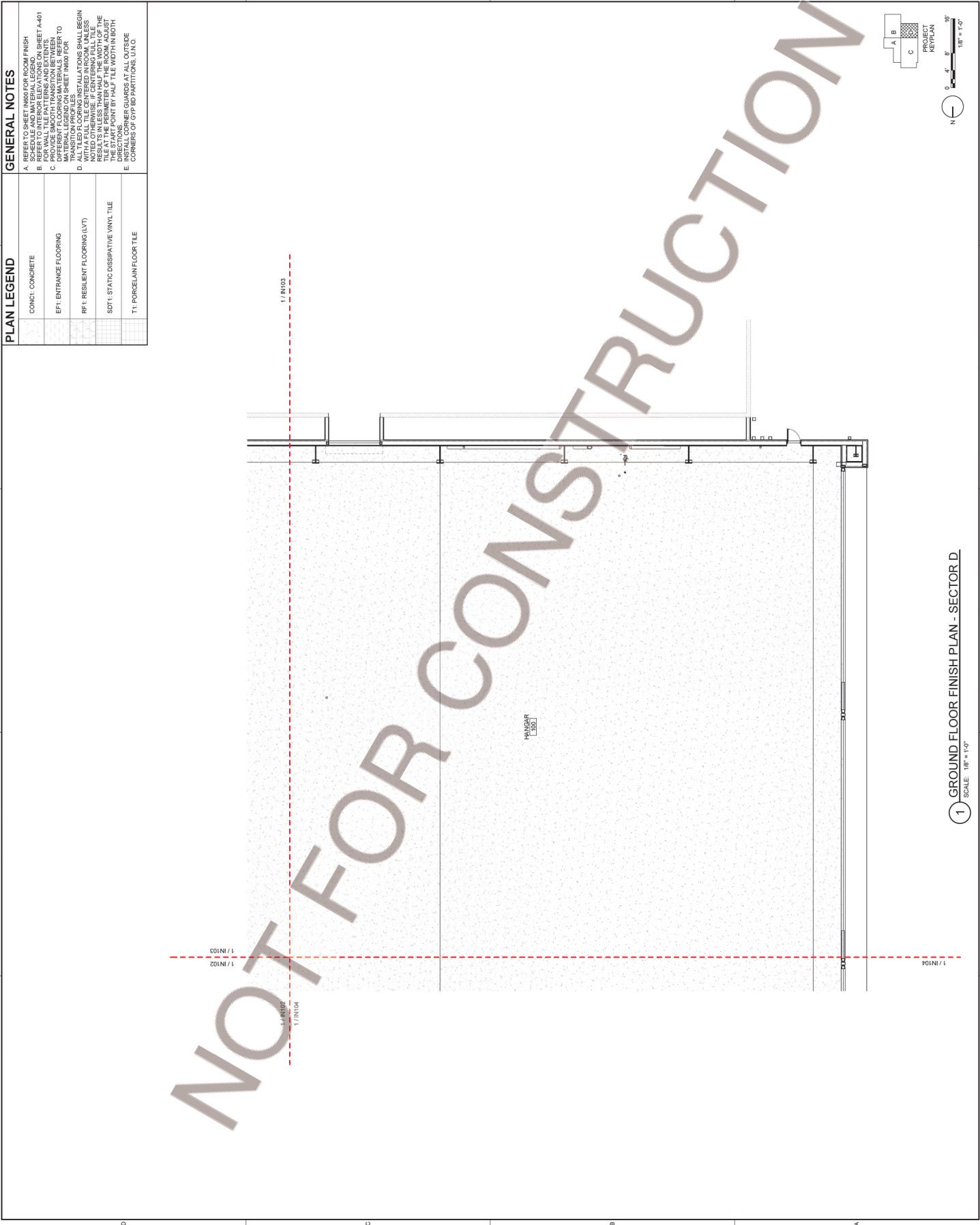
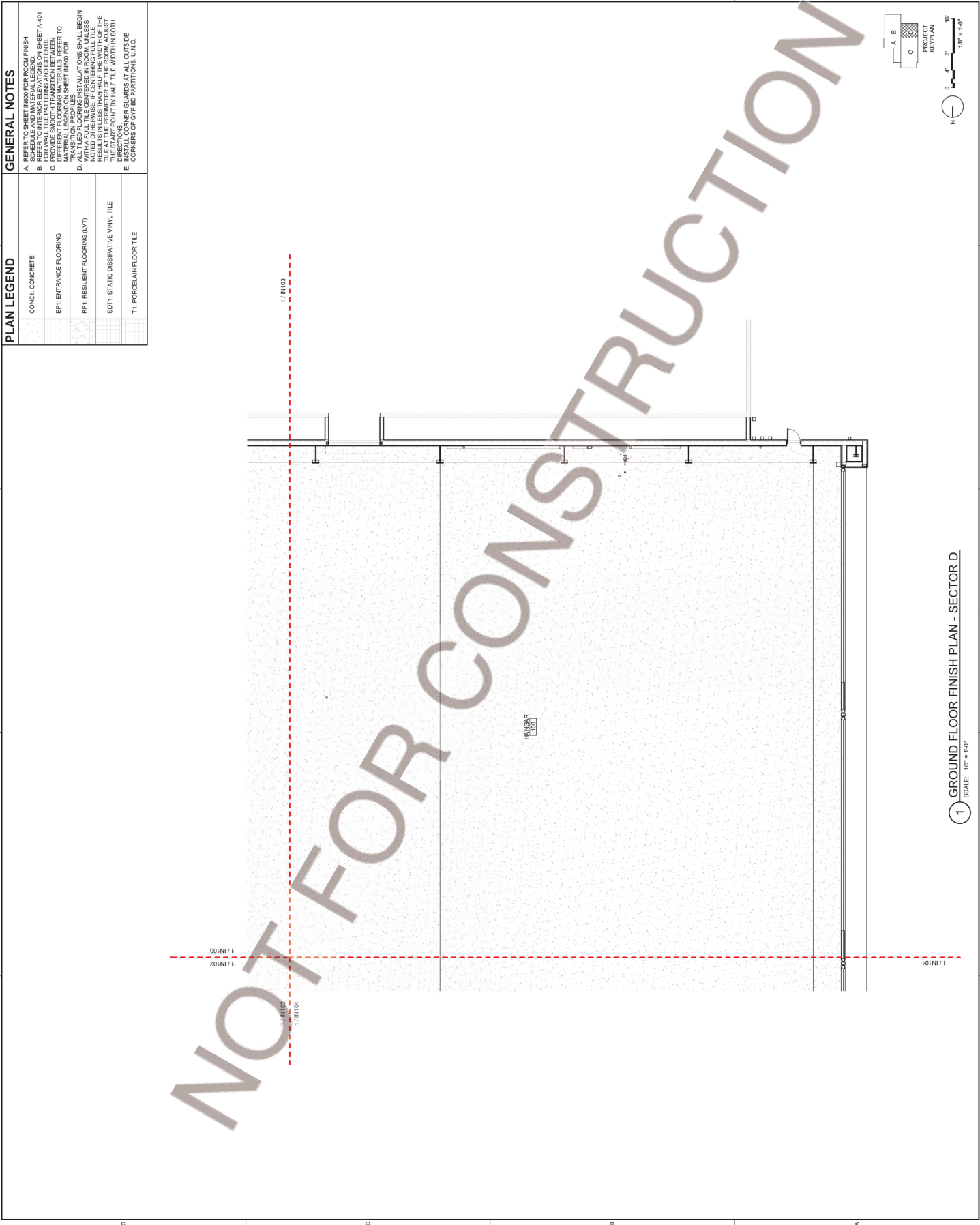
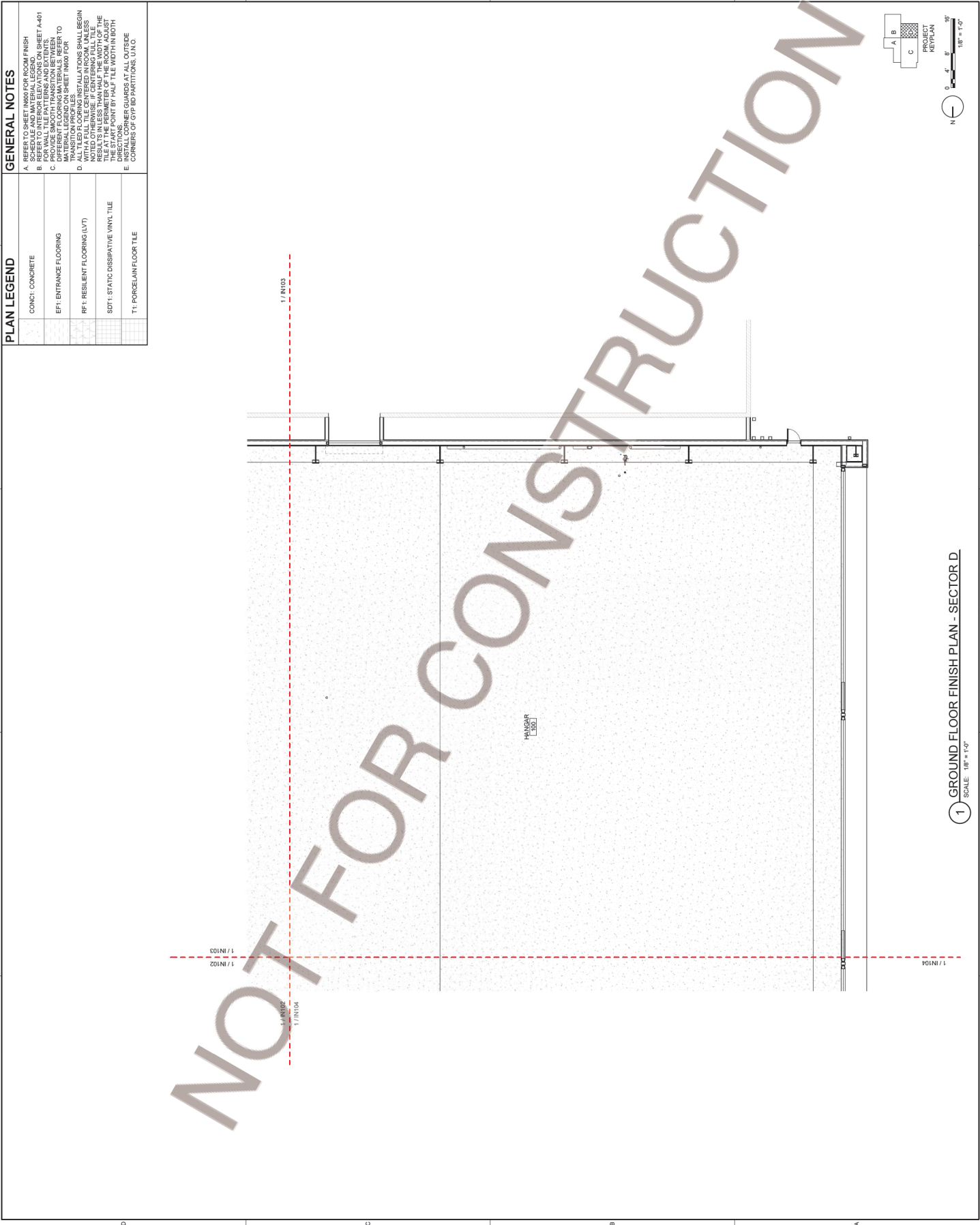
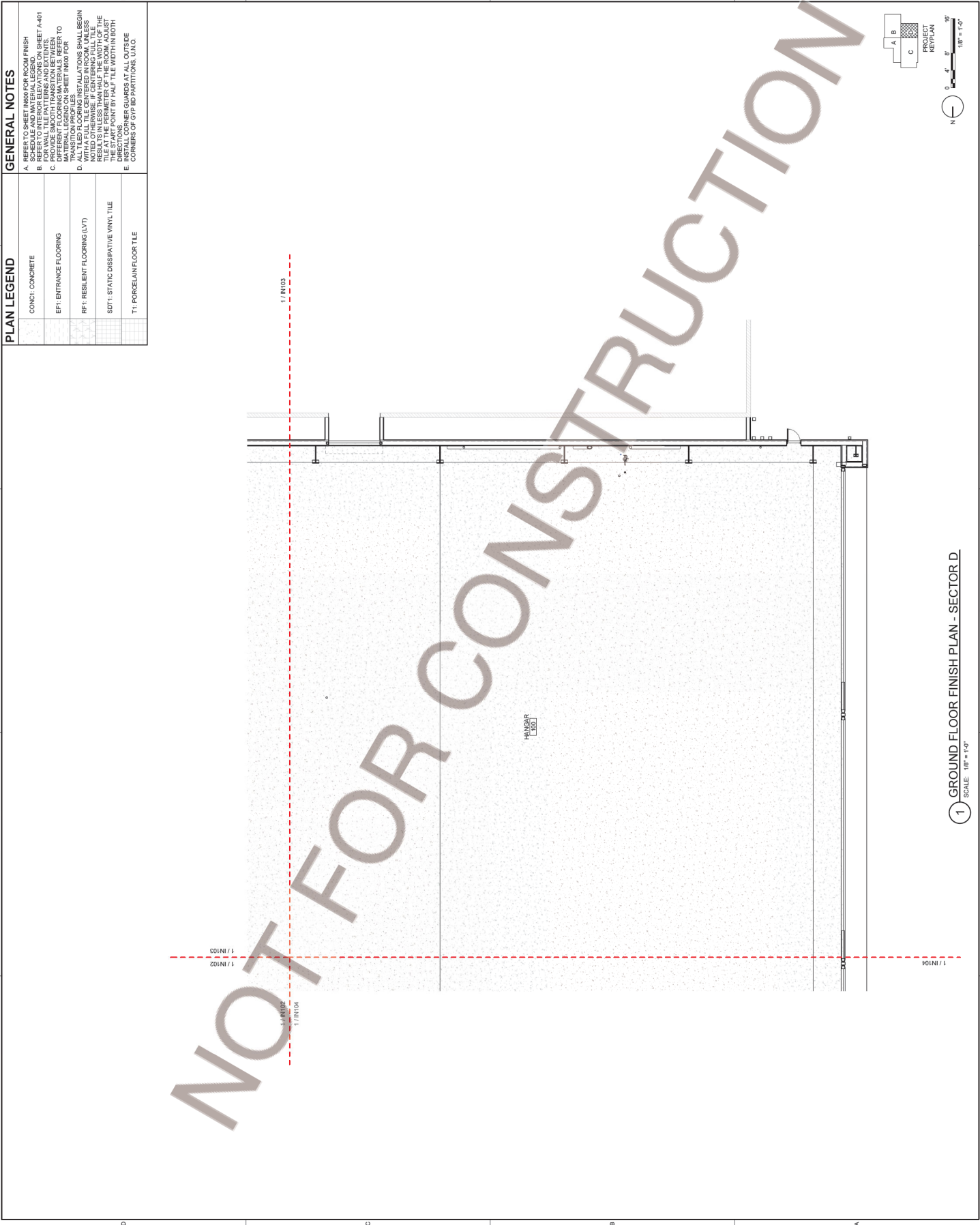
B. REFER TO INTERIOR ELEVATIONS ON SHEET A-401 FOR WALL TILE PATTERNS AND EXTENTS

C. DIFFERENT FLOORING MATERIALS. REFER TO MATERIAL SCHEDULE FOR SHEET IN000 FOR TRANSITION PROFILES

D. ALL TILED FLOORING INSTALLATIONS SHALL BEGIN WITH THE CENTER LINE OF THE ROOM. THE TILES SHALL BE LAPPED IN THE CENTER OF THE TILES AT THE PERIMETER OF THE ROOM. ADJUST THE START POINT BY HALF TILE WIDTH IN BOTH DIRECTIONS TO THE CENTER LINE OF THE ROOM. INSTALL CORNER GUARDS AT ALL OUTSIDE CORNERS OF GYP BD PARTITIONS, U.N.O.



1 GROUND FLOOR FINISH PLAN - SECTOR D  
SCALE: 1/8" = 1'-0"

























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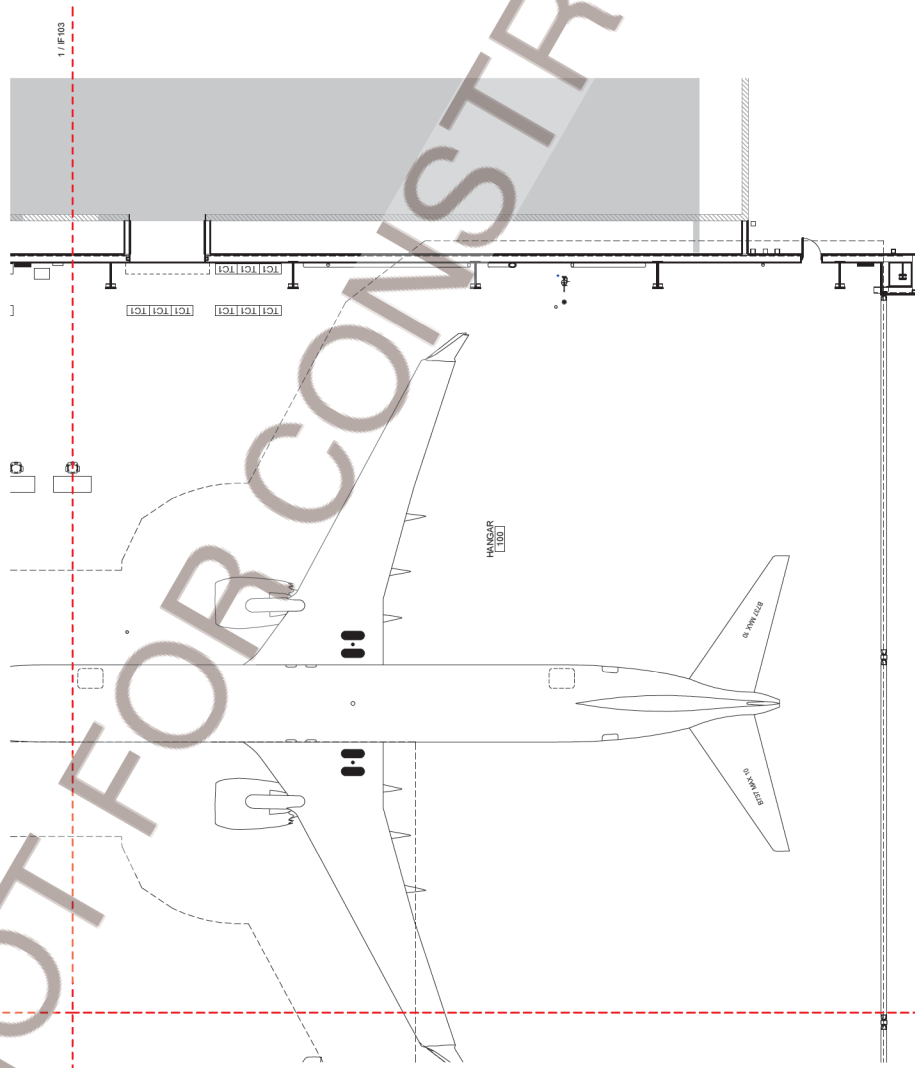
1001

- A. FURNITURE IS NOT IN CONTRACT AND IS SHOWN FOR COORDINATION PURPOSES ONLY.
- B. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF FINAL LOCATIONS FOR POWER AND DATA FOR FURNITURE, EQUIPMENT, AND OTHER SYSTEMS WITH VENDOR, REFER TO MEETING MINUTES FOR FURTHER PLUMBING DRAWINGS FOR INFORMATION RELATED TO POWER, DATA, TELECOM, SECURITY, WATER LINES, COMPRESSED AIR, ETC. THAT MUST BE COORDINATED WITH FURNITURE & EQUIPMENT VENDOR.
- C. CONTRACTOR SHALL PROVIDE BLOCKING IN WALL FOR ALL WALL MTD TVS, MONITORS, AND/OR DISPLAYS.
- D. CONTRACTOR SHALL PROVIDE BLOCKING IN WALL FOR ALL WALL MTD B.O. MARKER BOARD, MOUNTED AT 3'-0" AFT TO B.O. MARKER BOARD.
- E. UNO.

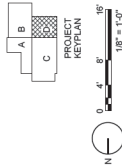
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NATURE AND IS NOT A  
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SEALED DOCUMENT



**AAR Corporation**  
**New Hangar**  
**Will Rogers World Airport, Oklahoma City, OK**

[illegible]

1 GROUND FLOOR FURNITURE PLAN - SECTOR D  
SCALE: 1/8" = 1'-0"





## GENERAL NOTES

- A. SIGN MOUNTING DETAILS AS SHOWN IN THE DETAILS.
- B. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- C. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- D. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- E. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- F. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- G. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- H. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- I. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- J. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- K. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- L. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- M. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- N. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- O. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- P. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- Q. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- R. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- S. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- T. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- U. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- V. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- W. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- X. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- Y. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.
- Z. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGN MOUNTING SCHEDULES.

TO DOOR HARDWARE SPECIFICATIONS AND ANSI/BHMA STANDARDS FOR REQUIRED LABELING AT DOOR HARDWARE.	<b>SIGNAGE TAG LEGEND</b>	DOOR HARDWARE
---	---------------------------	---------------

The diagram shows a rectangular box divided into two sections. The top section is labeled 'A1011' and the bottom section is labeled 'TYPE'. A bracket to the left of the 'A1011' section is labeled 'WITH SIGN'. A bracket to the right of the 'TYPE' section is labeled 'SIGN TYPE'.

1/10/103

1/10/105

PROJECT KEYPLAN

10" = 1'-0"

N



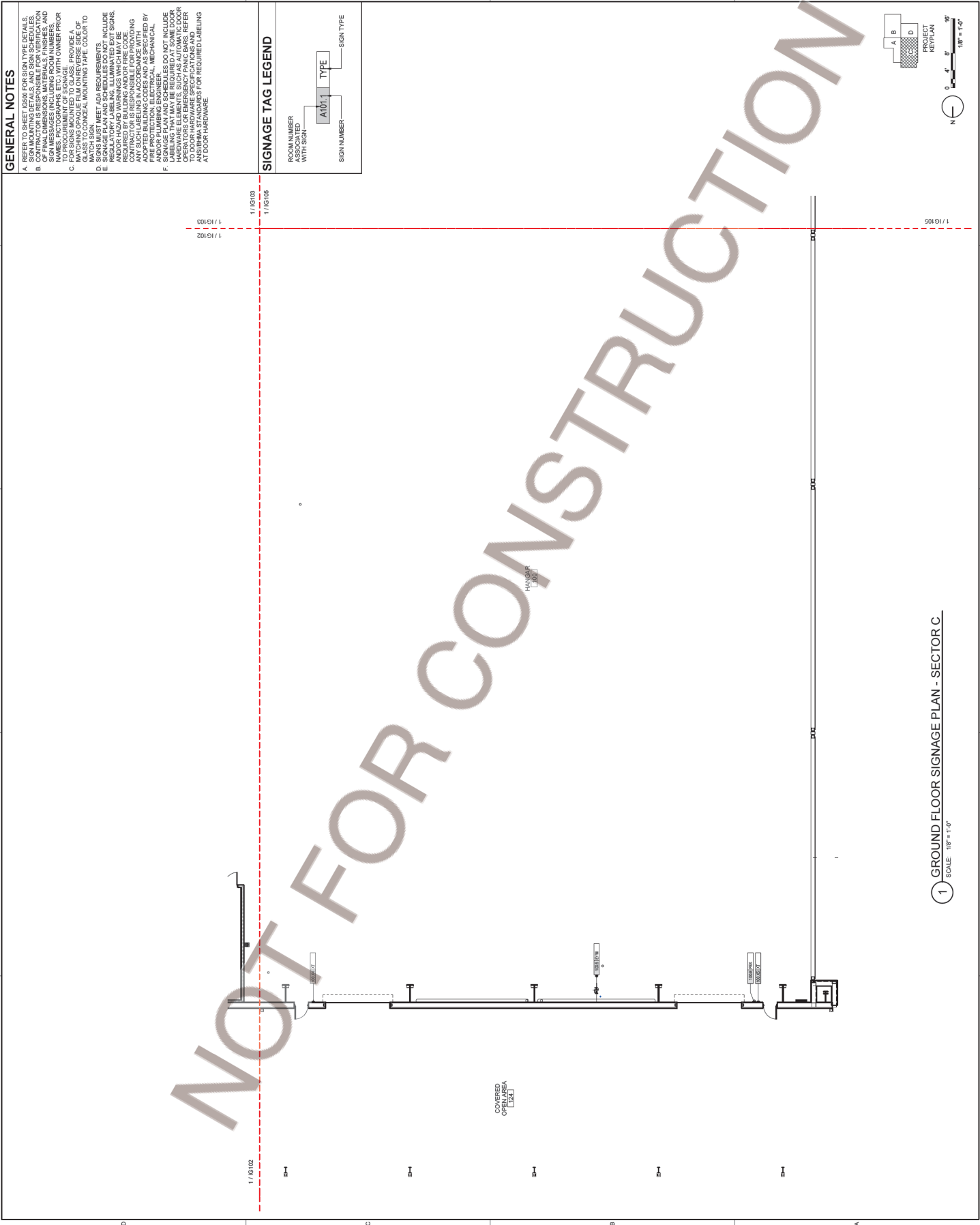
A diagram of a 16-bit register. It is represented as a horizontal rectangle divided into two sections. The left section is shaded gray and labeled 'A101.1'. The right section is white and labeled 'TYPE'. Arrows indicate bit positions: an arrow points to the left edge of the 'A101.1' field, and another arrow points to the right edge of the 'A101.1' field (which is the left edge of the 'TYPE' field). A third arrow points to the right edge of the 'TYPE' field.

SIGN NUMBER SIGN TYPE

[illegible]

SCALE: 1/8" = 1'-0"





**GENERAL NOTES**

A. REFER TO SHEET IG60 FOR SIGN TYPE DETAILS.

B. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL SIGNAGE PLACEMENT, INCLUDING ROOM NUMBERS AND SIGN MESSAGES INCLUDING ROOM NUMBERS.

C. FOR SIGNS MOUNTED TO GLASS, PROVIDE A MATCH TO CORRELATE WITH THE REVERSE SIDE OF GLASS TO CORRELATE WITH THE REVERSE SIDE OF GLASS.

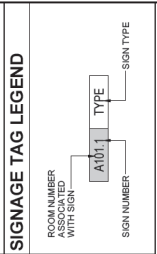
D. MATCH SIGN.

E. SIGNAGE SHALL MEET ADA REQUIREMENTS.

F. SIGNAGE PLAN AND SCHEDULES DO NOT INCLUDE REGULATORY LABELING, ILLUMINATED EXIT SIGNS, OR OTHER SPECIALTY SIGNAGE NOT SPECIFICALLY REQUIRED BY BUILDING AND/OR FIRE CODE.

G. SIGNAGE SHALL BE INSTALLED IN ACCORDANCE WITH ANY SUCH LABELING IN ACCORDANCE WITH ADOPTED BUILDING CODES AND AS SPECIFIED BY AND/OR PLUMBING ENGINEER.

H. SIGNAGE SHALL MEET REQUIREMENTS FOR ALL HARDWARE ELEMENTS, SUCH AS AUTOMATIC DOOR CLOSERS, AND SHALL BE REFERRED TO THE REFER TO DOOR HARDWARE SPECIFICATIONS AND ANS/BHMA STANDARDS FOR REQUIRED LABELING AT DOOR HARDWARE.



**F&B**

5501 Bushland Street, Suite 200  
Oklahoma City, OK 73116-7138  
405.842.2931 | f&b-ae.com

**PRELIMINARY**

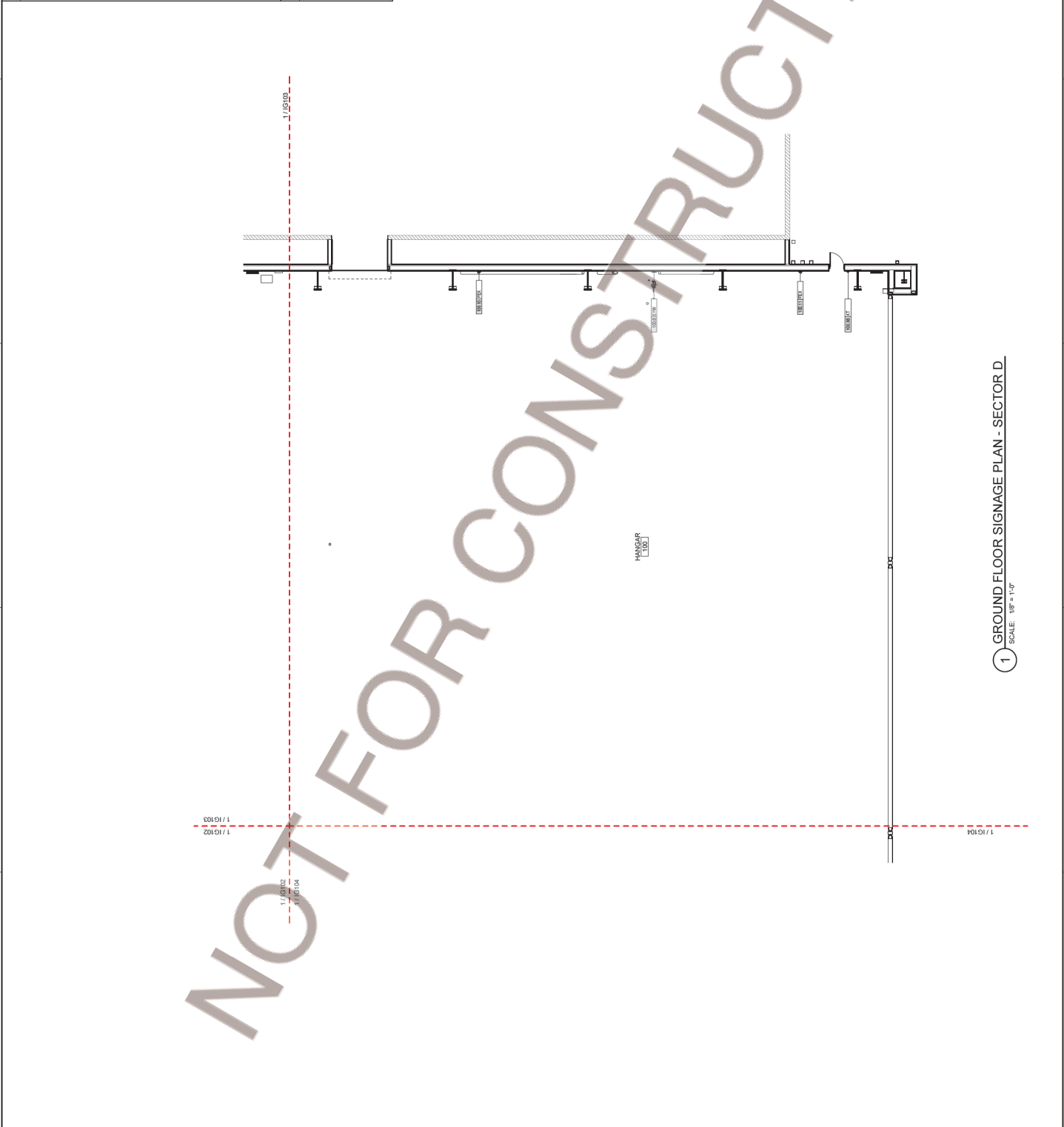
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**AAR**

**AAR Corporation**  
**New Hangar**  
*Will Rogers World Airport, Oklahoma City, OK*

PROJECT INFORMATION	
DESIGNED BY	MBP
DRAWN BY	JMS
PROJECT MANAGER	JMS
PROJECT NUMBER	0000000000
PROJECT NAME	0000000000
SHEET TITLE	0000000000
GROUND FLOOR SIGNAGE PLAN - SECTOR C	
REVISION	
DATE	11/7/2023
SHEET NUMBER	IG104







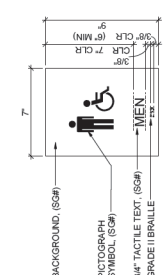
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**New Hangar**  
**Will Rogers World Airport, Oklahoma City, OK**

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Oklahoma City, OK 73116-7038  
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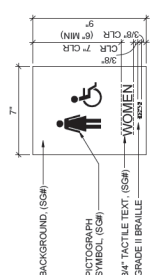


SIGNAGE TOTALS			SIGNAGE SCHEDULE		
SIGN TYPE	QTY		SIGN NUMBER	SIGN TYPE	SIGN MESSAGE
DIR	1		100.1	FEX	FIRE EXTINGUISHER /
ELC	4		100.2	EW	PICTOGRAPH EYEWASH /
EW	9		100.3	FEX	PICTOGRAPH EYEWASH /
FEX	22		100.4	FEX	FIRE EXTINGUISHER /
RR-AM	1		100.5	EW	PICTOGRAPH EYEWASH /
RR-AM	1		100.6	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.7	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.8	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.9	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.10	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.11	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.12	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.13	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.14	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.15	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.16	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.17	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.18	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.19	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.20	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.21	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.22	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.23	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.24	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.25	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.26	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.27	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.28	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.29	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.30	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.31	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.32	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.33	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.34	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.35	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.36	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.37	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.38	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.39	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.40	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.41	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.42	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.43	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.44	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.45	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.46	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.47	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.48	EW	PICTOGRAPH EYEWASH /
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XT-R	3		100.81	EW	PICTOGRAPH EYEWASH /
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XT-R	3		100.83	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.84	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.85	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.86	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.87	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.88	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.89	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.90	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.91	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.92	EW	PICTOGRAPH EYEWASH /
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XT-R	3		100.97	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.98	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.99	EW	PICTOGRAPH EYEWASH /
XT-R	3		100.100	EW	PICTOGRAPH EYEWASH /

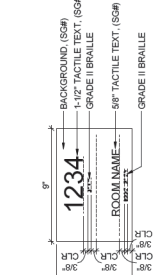
NOTES:  
1. SIGN NUMBERS FOR SIGNS SHALL BE  
A. ROOM NUMBER WITH FIRE SIGN, ROOM NUMBER  
TO BE INCLUDED IN FIRE ALARM PROGRAM.



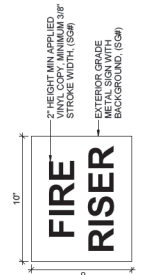
**3 SIGN TYPE "RR-AM"**  
**RESTROOM (MEN, ADA)**  
SCALE: 3" = 1'-0"



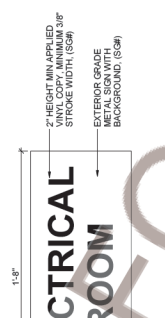
**2 SIGN TYPE "RR-AW"**  
**RESTROOM (WOMEN, ADA)**  
SCALE: 3" = 1'-0"



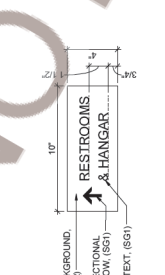
**1 SIGN TYPE "RM-P"**  
**ROOM (PERMANENT)**  
SCALE: 3" = 1'-0"



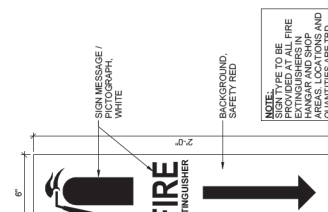
**6 SIGN TYPE "FRR"**  
**FIRE RISER ROOM**  
SCALE: 3" = 1'-0"



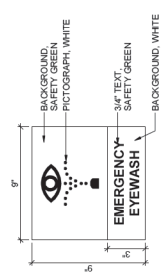
**5 SIGN TYPE "ELC"**  
**ELECTRICAL ROOM**  
SCALE: 3" = 1'-0"



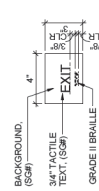
**4 SIGN TYPE "DIR"**  
**DIRECTIONAL**  
SCALE: 3" = 1'-0"



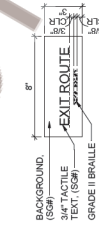
**7 SIGN TYPE "FEX"**  
**FIRE EXTINGUISHER**  
SCALE: 3" = 1'-0"



**8 SIGN TYPE "EYEW"**  
**EMERGENCY EYEWASH STATION**  
SCALE: 3" = 1'-0"



**9 SIGN TYPE "XT"**  
**EXIT**  
SCALE: 3" = 1'-0"



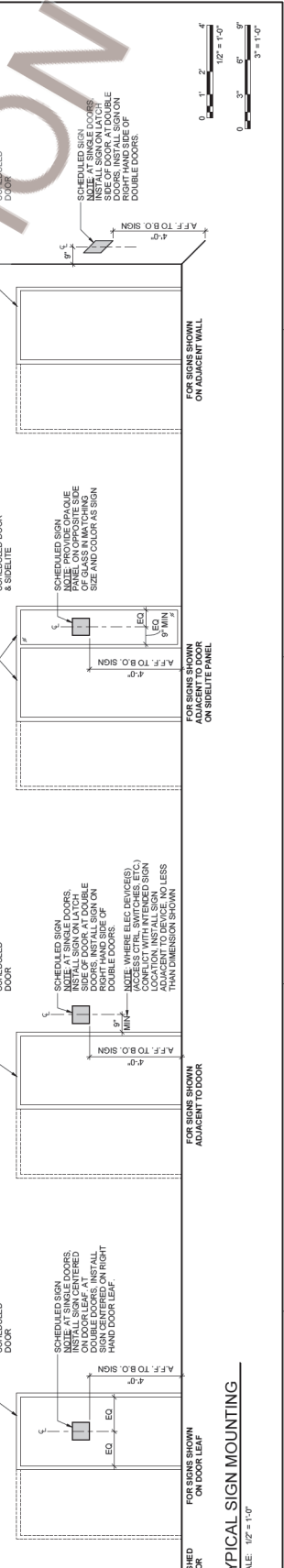
**10 SIGN TYPE "XT-R"**  
**EXIT ROUTE**  
SCALE: 3" = 1'-0"



**11 SIGN MOUNTING - E'W**  
SCALE: 1/2" = 1'-0"



**12 SIGN MOUNTING - FEX**  
SCALE: 1/2" = 1'-0"



**13 TYPICAL SIGN MOUNTING**  
SCALE: 1/2" = 1'-0"





































## GENERAL NOTES

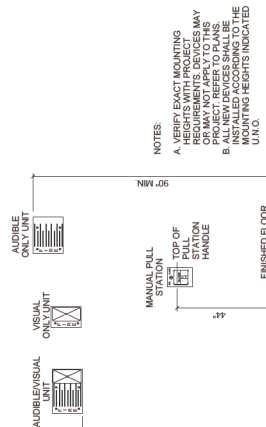
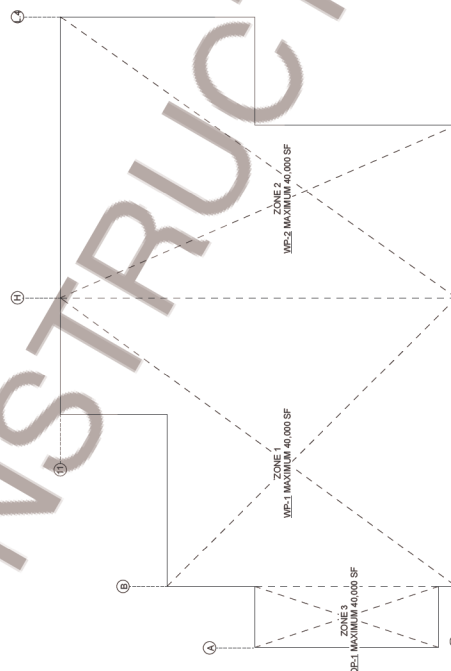
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## ABBREVIATIONS

[illegible]

## FIRE PROTECTION LEGEND

FIRE PROTECTION LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FIRE ALARM MANUAL PULL STATION	—FW—	WET PIPE SPRINKLER SUPPLY
	CEILING MOUNTED FIRE ALARM HORN/STROBE	—FP—	FIRE PROTECTION PIPING
	WALL MOUNTED FIRE ALARM NON-STROBE		FIRE DEPARTMENT CONNECTION
	CEILING MOUNTED FIRE ALARM STROBE		CHECK VALVE
	STROBE ONLY WALL MOUNTED		CONTROL VALVE
	WATERFLOW ALARM HORN / STROBE		OPEN FUNNEL DRAIN
	CARBON MONOXIDE DETECTOR		RISE INDICATING VALVE
	SMOKE DETECTOR OR PHOTOELECTRIC		PISTON CHECK VALVE
	PHOTO SMOKE DETECTOR, XX INDICATES ASSOCIATED UNIT		OS&Y GATE VALVE
	FIRE ALARM CONTROL UNIT		ANGLE VALVE
	FIRE ALARM ANNUNCIATOR		INSPECTORS TEST CONNECTION (WITH PRESSURE RELIEF)
	POWER EXTENDER PANEL		PIPE OR CONDUIT BREAK / CONTINUATION
	SURGE PROTECTION DEVICE		PIPE FLOW ARROW
	PRESSURE SWITCH (WATERFLOW)		DIGITAL ALARM COMMUNICATOR TRANSMITTER
	PRESSURE SWITCH HIGH/LOW		END OF LINE RESISTOR
	WATERFLOW SWITCH (VANE TYPE)		ADDRESSABLE INPUT MODULE
	VALVE SUPERVISORY SWITCH		MONITOR MODULE
			CONTROL MODULE
			FIBER INTERFACE



## FIRE ALARM MOUNTING HEIGHT DETAIL

NOTES:

VERIFY EXACT MOUNTING HEIGHTS WITH PROJECT REQUIREMENTS. DEVICES MAY OR MAY NOT APPLY TO THIS PROJECT. REFER TO PLANS. ALL NEW DEVICES SHALL BE INSTALLED ACCORDING TO THE MOUNTING HEIGHTS INDICATED IN O









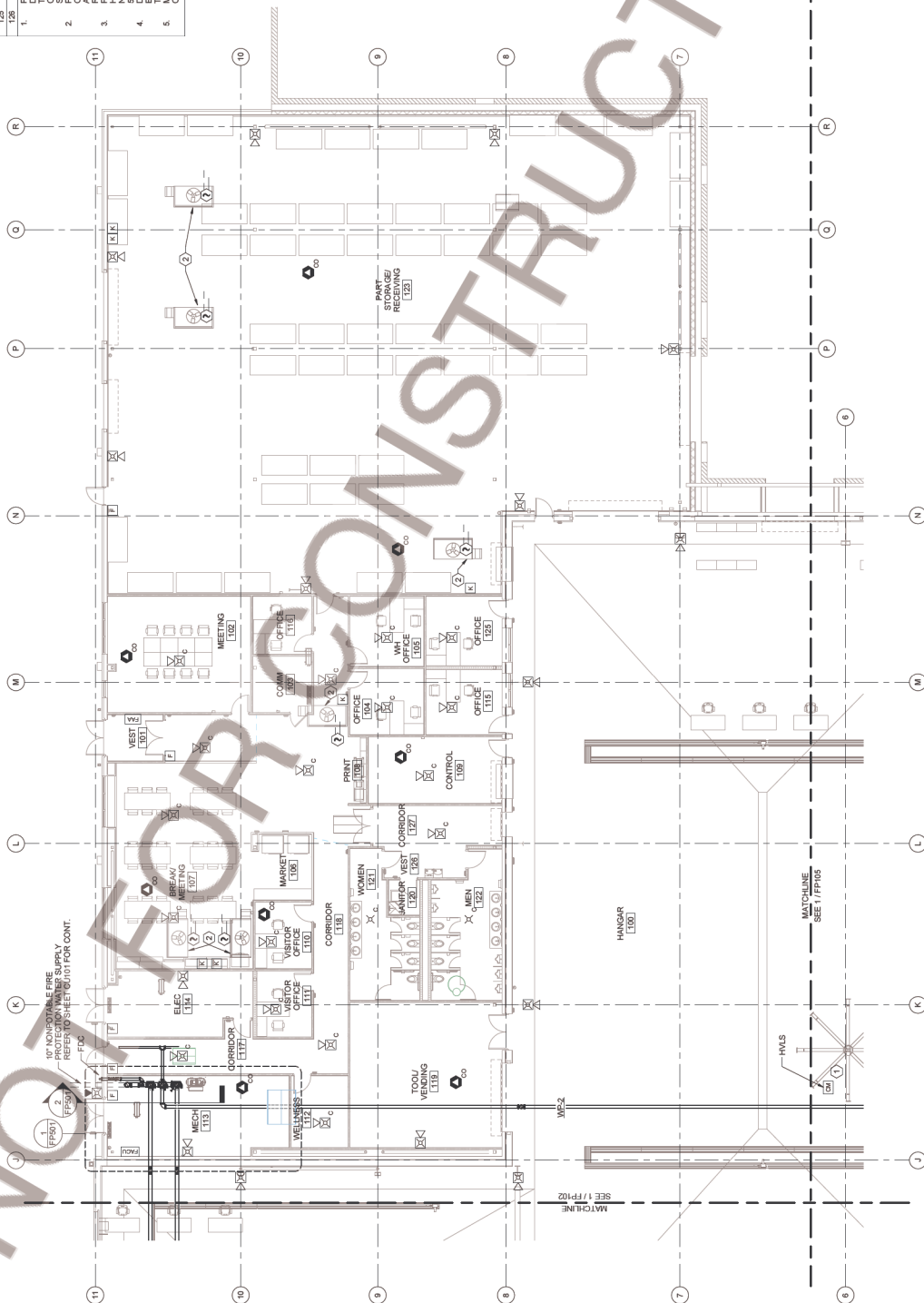


FIRE PROTECTION SCHEDULE - SECTOR 8		HAZARD	NOTES
100	HANGAR	SPECIAL	2,3
101	MEETING	LH	1,2
102	MEETING	LH	1,2
103	COMM	LH	1,2
104	OFFICE	LH	1,2
105	MOBILE	LH	1,2
106	MARKET	LH	1,2
107	BREAK MEETING	LH	1,2
108	CONTROL	LH	1,2
109	CONTROL	LH	1,2
110	VISITOR OFFICE	LH	1,2
111	MECH	LH	1,2
112	WELDERESS	LH	1,2
113	MECH	GH1	1,2
114	ELC	GH1	1,2,4
115	OFFICE	GH1	1,2,4
116	OFFICE	GH1	1,2,4
117	CORRIDOR	LH	1,2
118	TOILET	LH	1,2
119	TOILET VENDING	GH2	1,2,5
120	JANITOR	LH	1,2
121	WASH	LH	1,2
122	MECH	LH	1,2
123	PART STORAGE RECEIVING	GH2	1,2,5
124	OFFICE	LH	1,2
125		LH	1,2

**PRELIMINARY**



**AAR Corporation**  
**New Hangar**  
**Will Rogers World Airport, Oklahoma City, OK**

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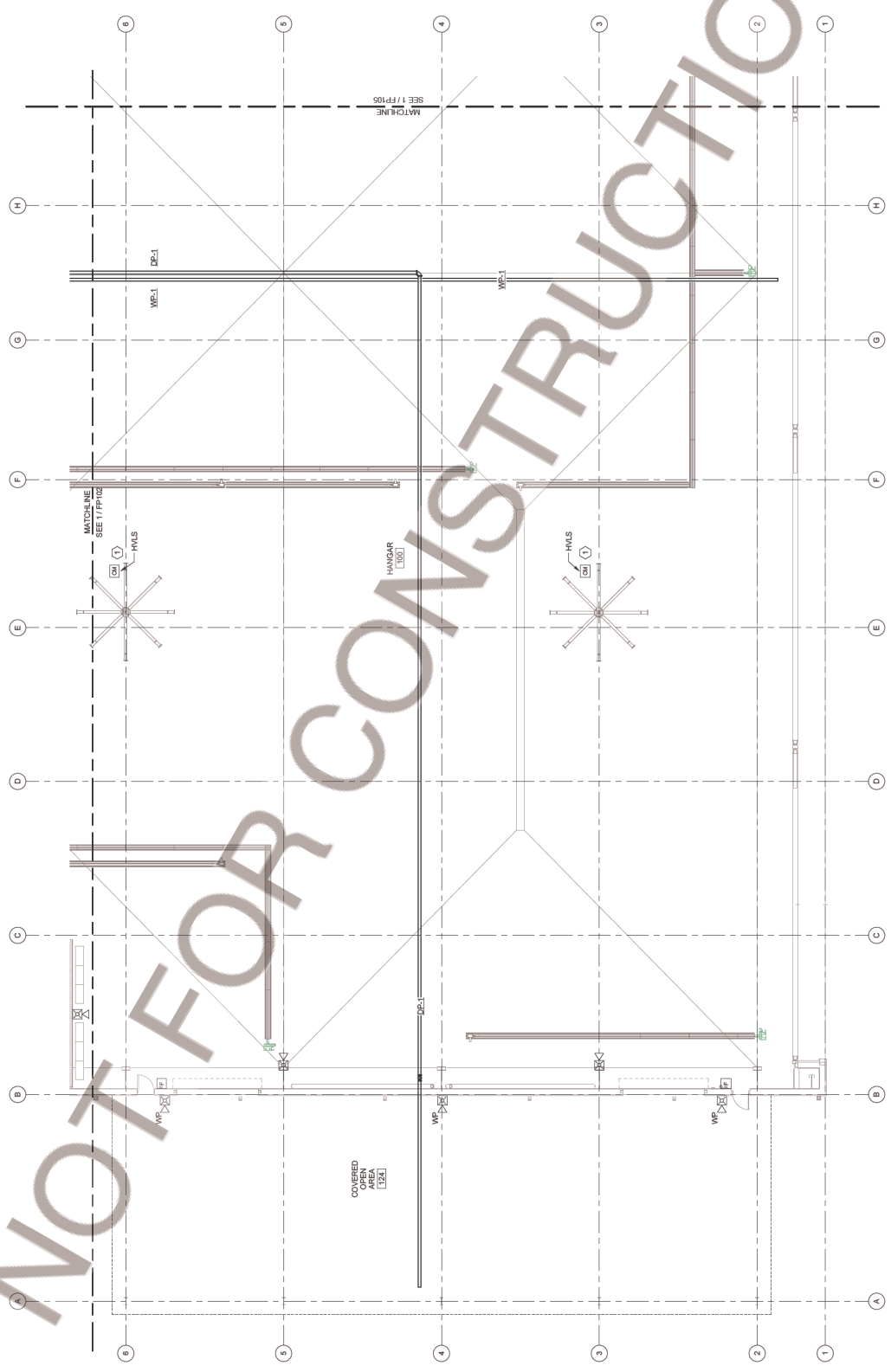
1 FIRE PROTECTION PLAN - SECTOR B  
SCALE: 1/8" = 1'-0"



FIRE PROTECTION SCHEDULE - SECTOR C					
NUMBER	NAME	HAZARD	NOTES		
100	COVERED OPEN AREA	HAZ	2, 3		
101	COVERED OPEN AREA	HAZ	2, 3		
102	COVERED OPEN AREA	HAZ	2, 3		
103	COVERED OPEN AREA	HAZ	2, 3		
104	COVERED OPEN AREA	HAZ	2, 3		
105	COVERED OPEN AREA	HAZ	2, 3		
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199	COVERED OPEN AREA	HAZ	2, 3		
200	COVERED OPEN AREA	HAZ	2, 3		

1 FIRE PROTECTION PLAN - SECTOR C

SCALE: 1/8" = 1'-0"

[illegible]

**AAR Corporation**  
**New Hangar**  
Will Rogers World Airport

**Will Rogers World Airport, Oklahoma City, OK**



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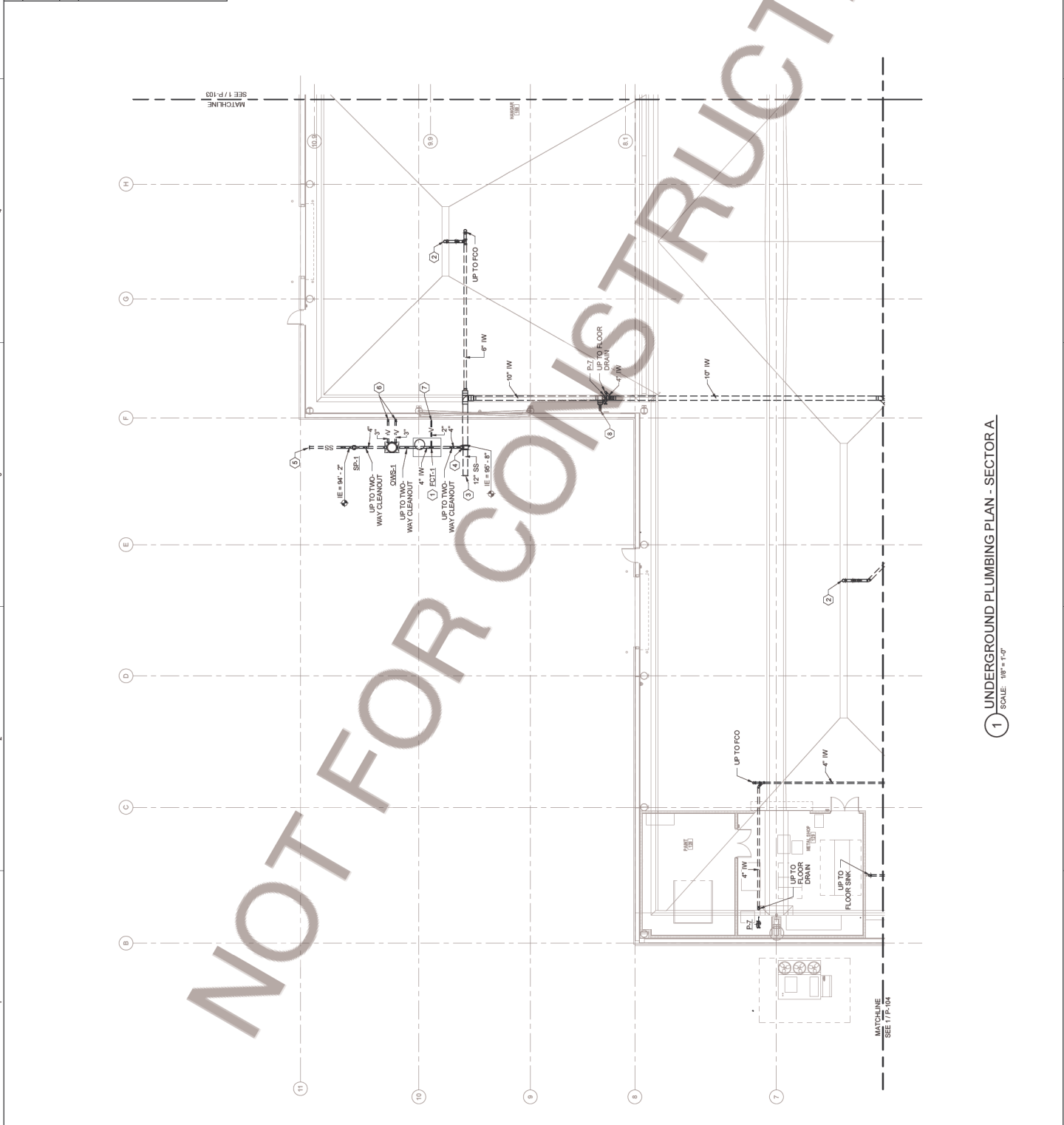






SYMBOL	SYMBOL	DESCRIPTION	ABBREVIATIONS
—	—	DOMESTIC COLD WATER (D-CW)	P
—	—	NON-POTABLE WATER (N-PW)	PCT
—	—	DOMESTIC HOT WATER (D-HW)	PGL
—	—	DOMESTIC HOT WATER RETURN (D-HWR)	PGLG
—	—	SANITARY WASTE VENT	PGLG
—	—	SOLID WASTE VENT	PGLG
—	—	SOIL OR WASTE ABOVE FLOOR	PGLG
—	—	SOIL OR WASTE BELOW FLOOR	PGLG
—	—	INDUSTRIAL WASTE BELOW FLOOR	PGLG
—	—	STEAM DRAIN	PGLG
—	—	OVERFLOW DRAIN	PGLG
—	—	COMPRESSED AIR - ABOVE FLOOR	PGLG
—	—	COMPRESSED AIR - BELOW FLOOR	PGLG
—	—	CRSSE	PGLG
—	—	DRAIN	PGLG
—	—	NATURAL GAS, LOW PRESSURE (0.5 PSI)	PGLG
—	—	NATURAL GAS, MEDIUM PRESS. (2 PSI)	PGLG
—	—	FIRE PROTECTION MAIN	PGLG
—	—	CONDENSATE DRAIN	PGLG
—	—	RISE DOWN (ELBOW)	PGLG
—	—	RISE UP (ELBOW)	PGLG
—	—	RISE OR DROP	PGLG
—	—	TEE DOWN	PGLG
—	—	TEE UP	PGLG
—	—	TOP CONNECTION	PGLG
—	—	BOTTOM CONNECTION	PGLG
—	—	CONNECTION	PGLG
—	—	BALL VALVE	PGLG
—	—	GATE VALVE OR ISOLATION VALVE	PGLG
—	—	BUTTERFLY VALVE	PGLG
—	—	HOT WATER BALANCING VALVE - SET FOR 1/2 GPM SHOW IN (I).	PGLG
—	—	ANGLE VALVE	PGLG
—	—	CHECK VALVE (STRAIGHT)	PGLG
—	—	CHECK VALVE (SWING GATE)	PGLG
—	—	GLOBE VALVE	PGLG
TEXT SYMBOLS			
°	ANGLE		
°	DEGREE		
Ø	DIAMETER		
Ø	PHASE		
Ø	ROUND		
%	PERCENT		

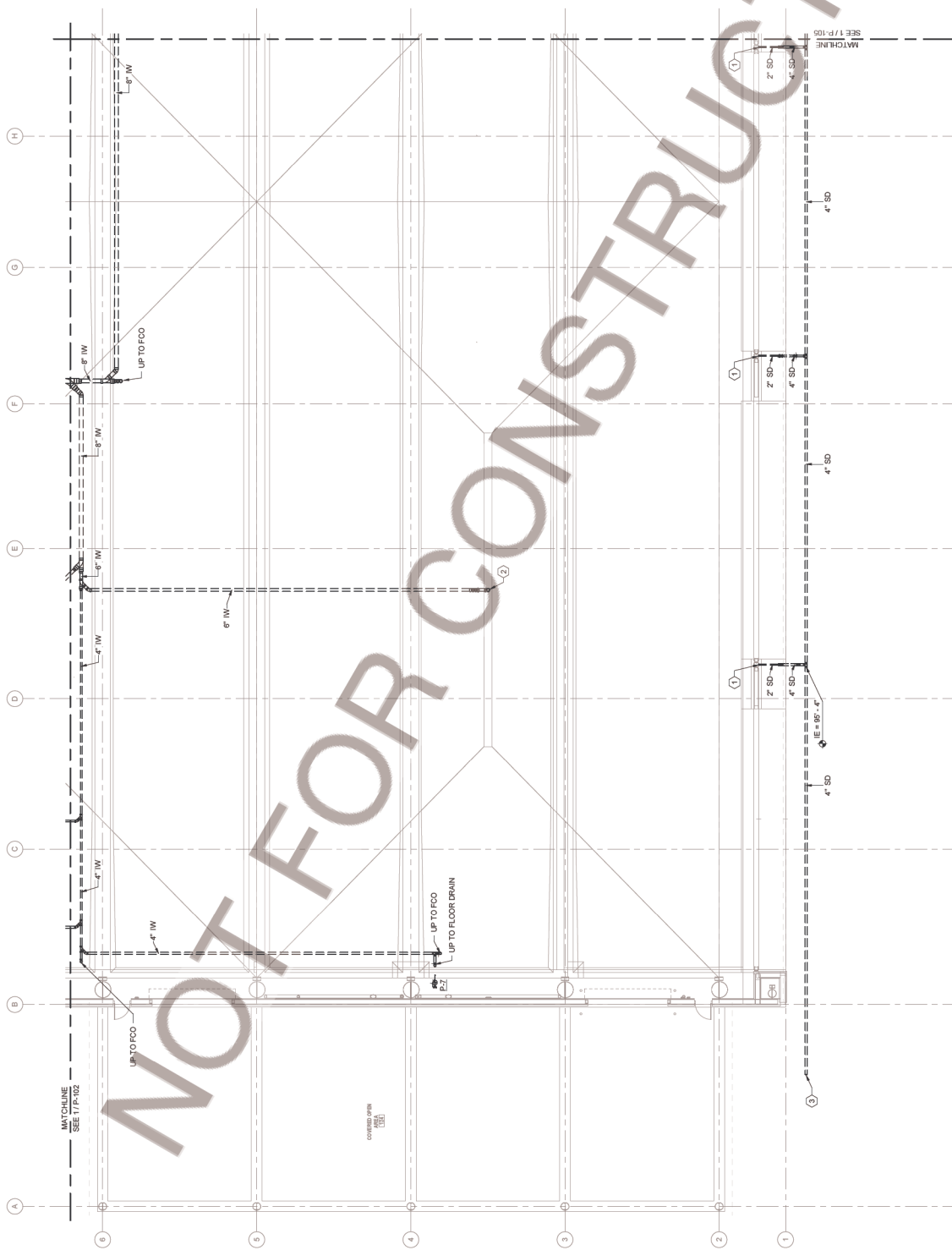










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1 UNDERGROUND PLUMBING PLAN - SECTOR C  
SCALE: 1/8" = 1'-0"







GENERAL NOTES									
1. REFER TO SHEET P-101 FOR GENERAL NOTES THAT APPLY TO THIS SHEET.									
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL, STRUCTURAL, AND MECHANICAL CODES AND STANDARDS.									
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.									
4. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL, STRUCTURAL, AND MECHANICAL CODES AND STANDARDS.									
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.									
6. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL, STRUCTURAL, AND MECHANICAL CODES AND STANDARDS.									
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.									
8. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL, STRUCTURAL, AND MECHANICAL CODES AND STANDARDS.									
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.									
10. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL, STRUCTURAL, AND MECHANICAL CODES AND STANDARDS.									
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.									
12. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL, STRUCTURAL, AND MECHANICAL CODES AND STANDARDS.									

**SHEET KEYNOTES**

1	1/2" VENT UP FROM INTERIOR TO CHIL
2	1/2" VENT UP FROM INTERIOR TO CHIL
3	1/2" VENT UP FROM INTERIOR TO CHIL
4	1/2" VENT UP FROM INTERIOR TO CHIL
5	1/2" VENT UP FROM INTERIOR TO CHIL
6	1/2" VENT UP FROM INTERIOR TO CHIL
7	1/2" VENT UP FROM INTERIOR TO CHIL
8	1/2" VENT UP FROM INTERIOR TO CHIL
9	1/2" VENT UP FROM INTERIOR TO CHIL
10	1/2" VENT UP FROM INTERIOR TO CHIL
11	1/2" VENT UP FROM INTERIOR TO CHIL
12	1/2" VENT UP FROM INTERIOR TO CHIL

**PLUMBING FIXTURE SCHEDULE**

MARK	FIXTURE	BASIS OF DESIGN		PIPING ROUGHIN		DESCRIPTION	
		MANUFACTURER	MODEL	WASTE (IN)	VENT (IN)	WASTE (IN)	VENT (IN)
P-1	SINK	TABCO	WSS-1625-FM	1-1/4	-	3/4	3/4
P-2	HOSE BIBB	WOODFORD	MODEL 14	-	-	3/4	3/4
P-3	EYE WASH	CLAYTON	G164	-	-	3/4	3/4

**MISCELLANEOUS EQUIPMENT SCHEDULE**

MARK	FIXTURE	BASIS OF DESIGN		SIZE		DESCRIPTION	
		MANUFACTURER	MODEL	WASTE (IN)	VENT (IN)	WASTE (IN)	VENT (IN)
OWS-2	OIL WATER SEPARATOR	M-FAB	LP-25	-	-	3"	3"
RP2-2	REDUCED PRESSURE BACKFLOW PREVENTER	WATTS	LF900-SMALL	-	-	3/4"	3/4"
SP-2	SAMPLE PORT	M-FAB	SAMPLE	-	-	1/2"	1/2"
WM-2	WATER METER	NEPTUNE	MACH 10	-	-	3/4"	3/4"
XT-2	EXPANSION TANK	AMTOL	ST-50-20	-	-	2 GALLON	2 GALLON

**WATER HEATER SCHEDULE**

MARK - PF	MANUFACTURER	MODEL	BASIS OF DESIGN		RECOVERY		CAPACITY		DESCRIPTION	
			DEL-4	INPUT (KW)	(GPH AT 170°F RSE)	(GPH AT 170°F RSE)	(GAL)	(GAL)	COMMERCIAL GRADE ZONE TANK, HIGH DENSITY ANODE ROD, GLASS LINED INTERIOR, BAKED ENAMEL FINISH, ASSEMBLY OF RELIEF VALVE	
DWH-2	AO SMITH	DEL-4	3	14	14	14	6	6		

**FLOOR DRAIN / CLEAN OUT SCHEDULE**

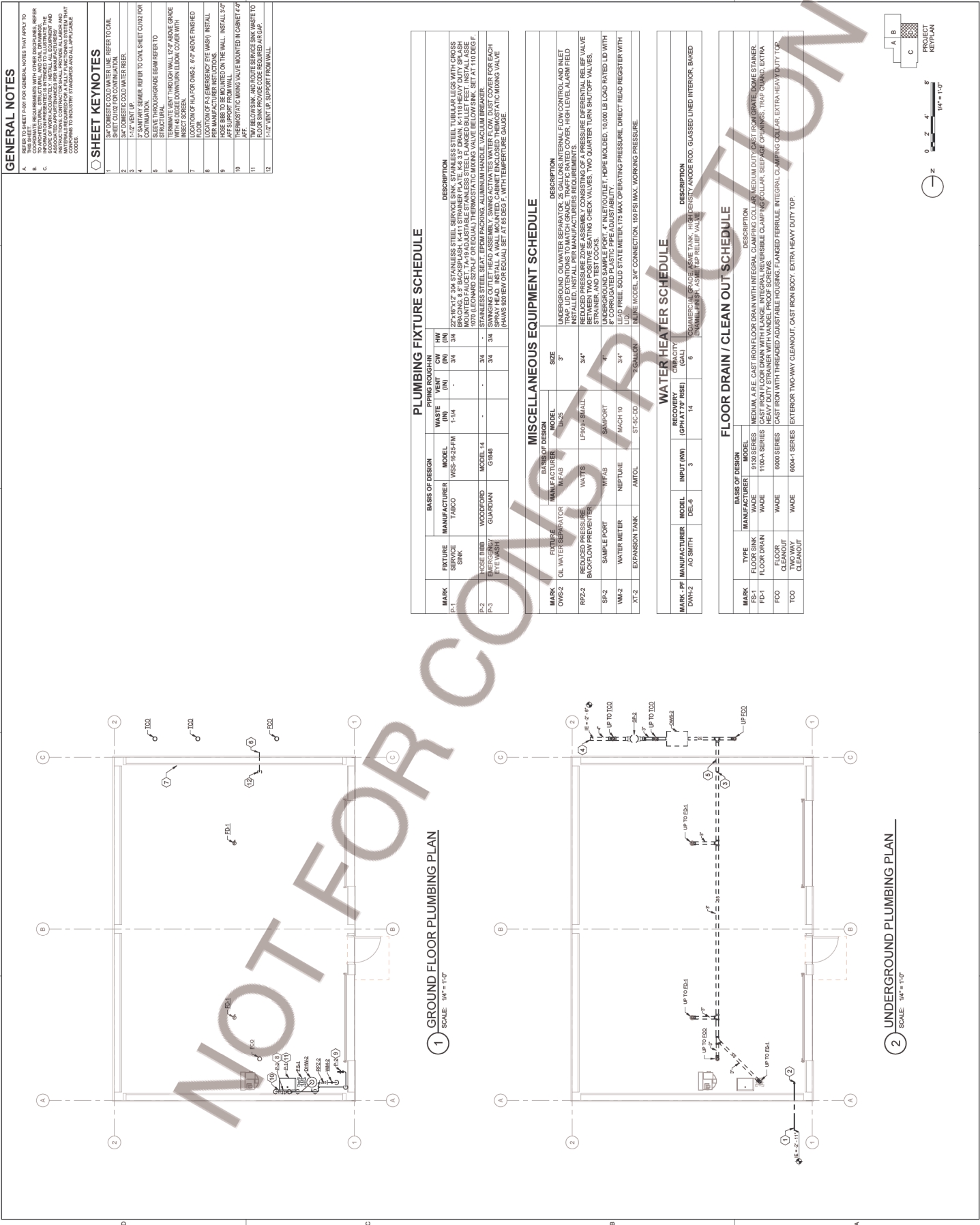
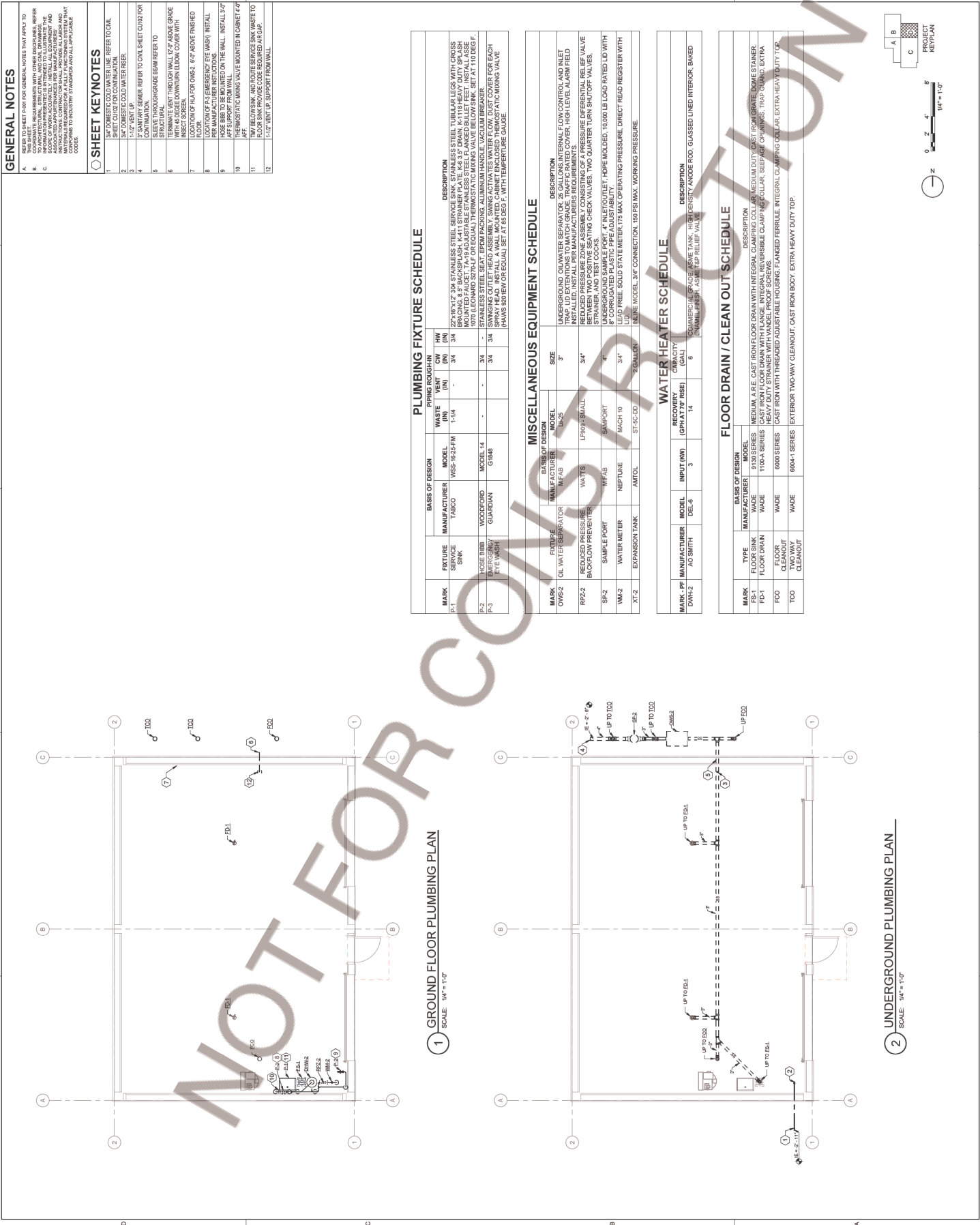
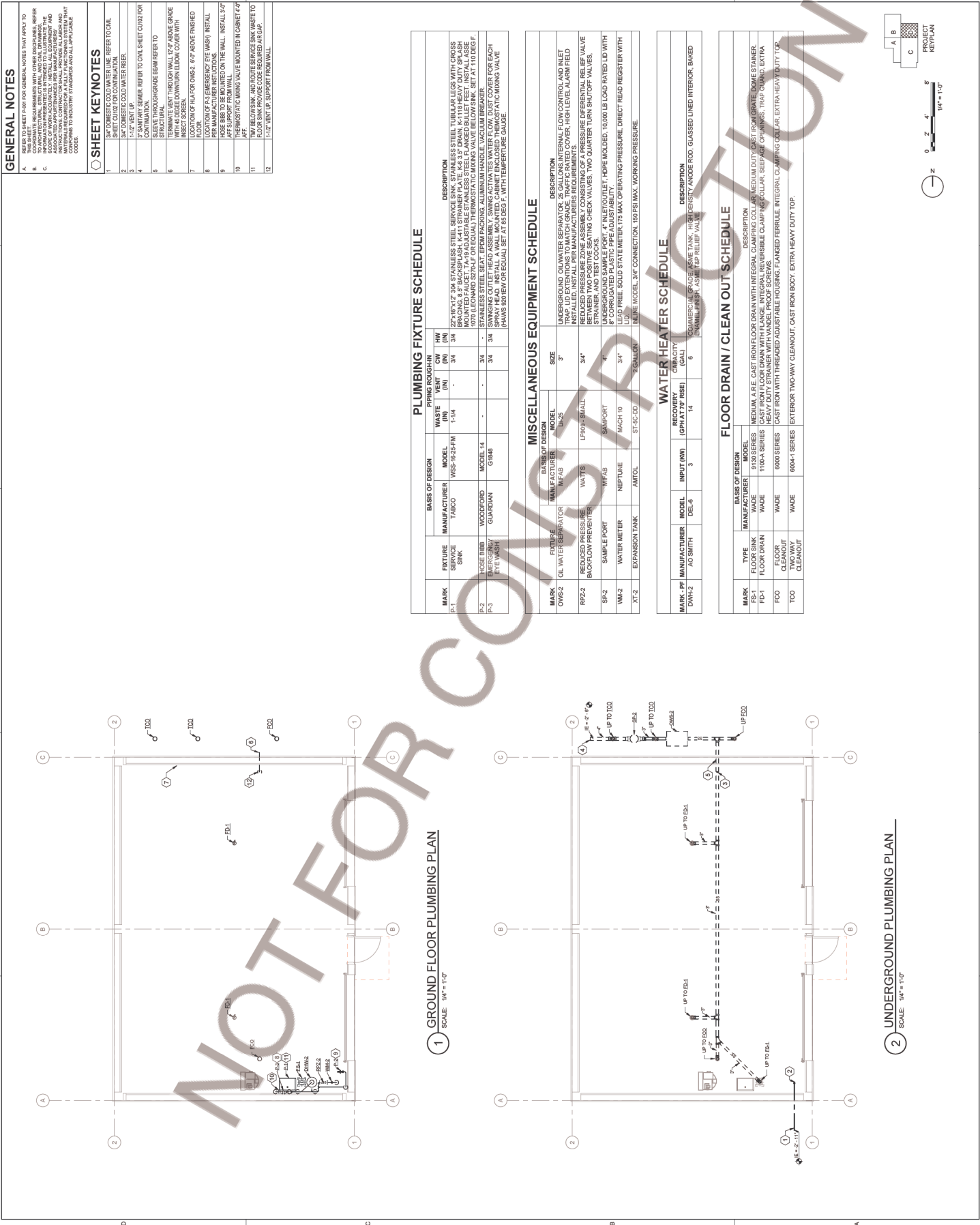
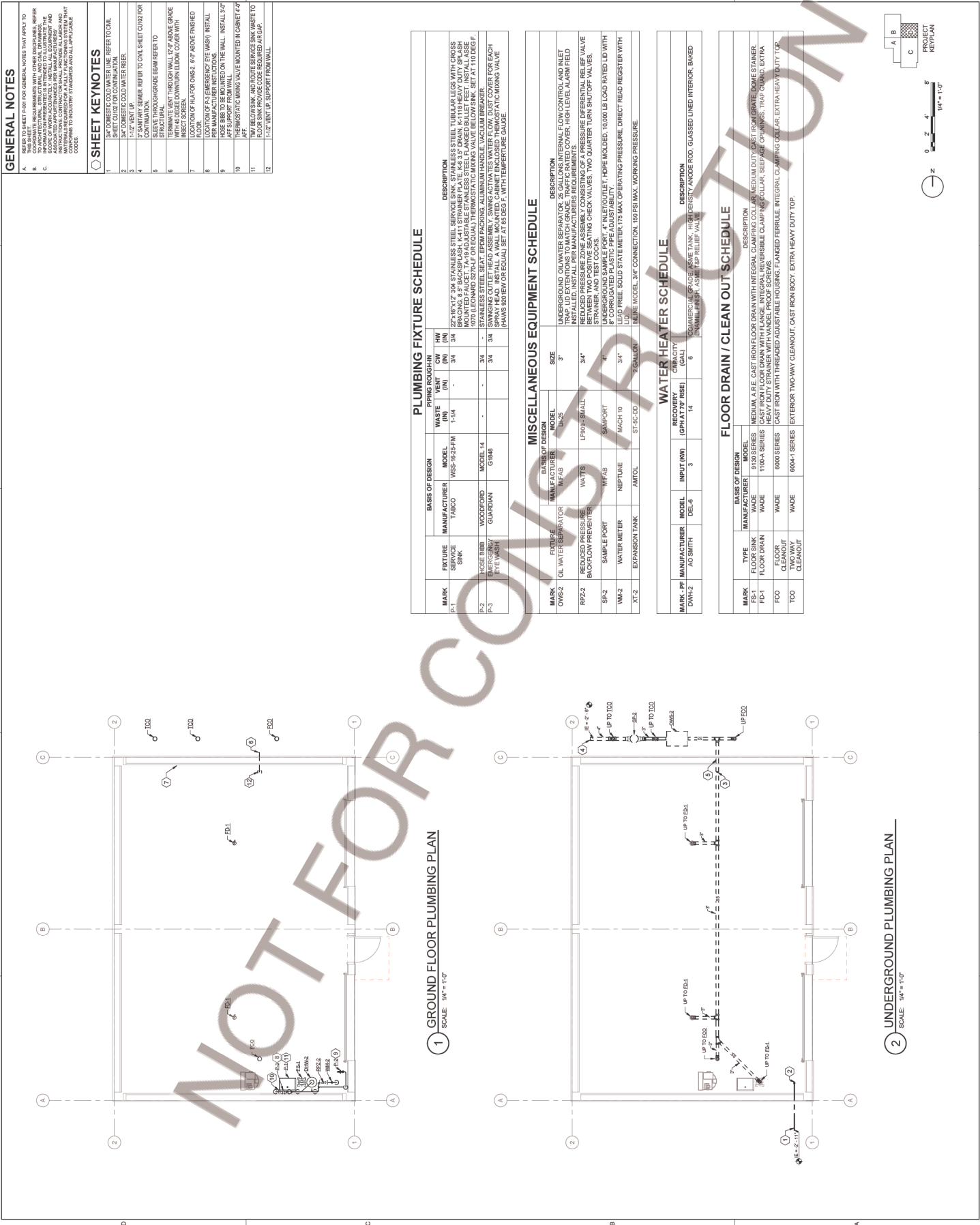
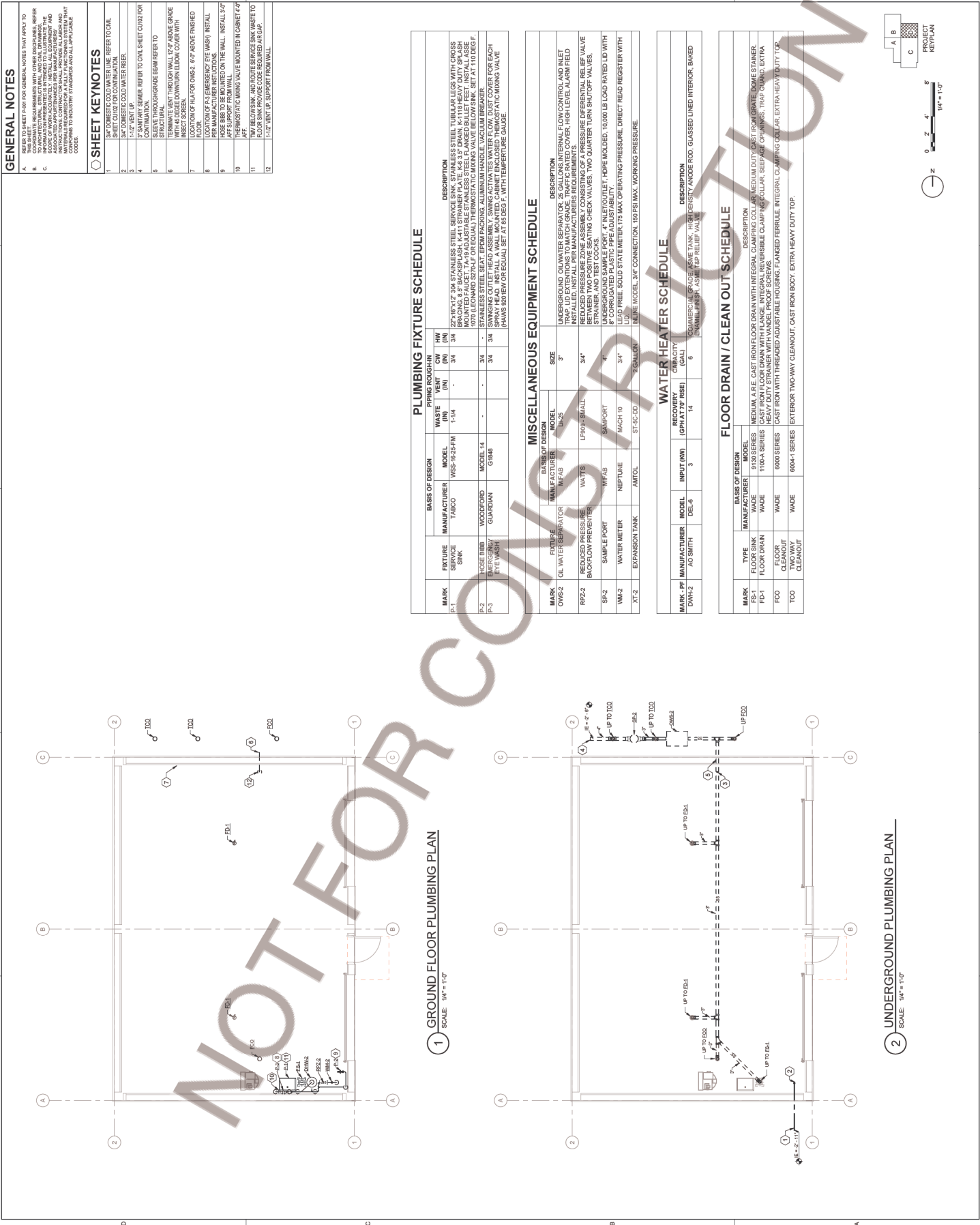
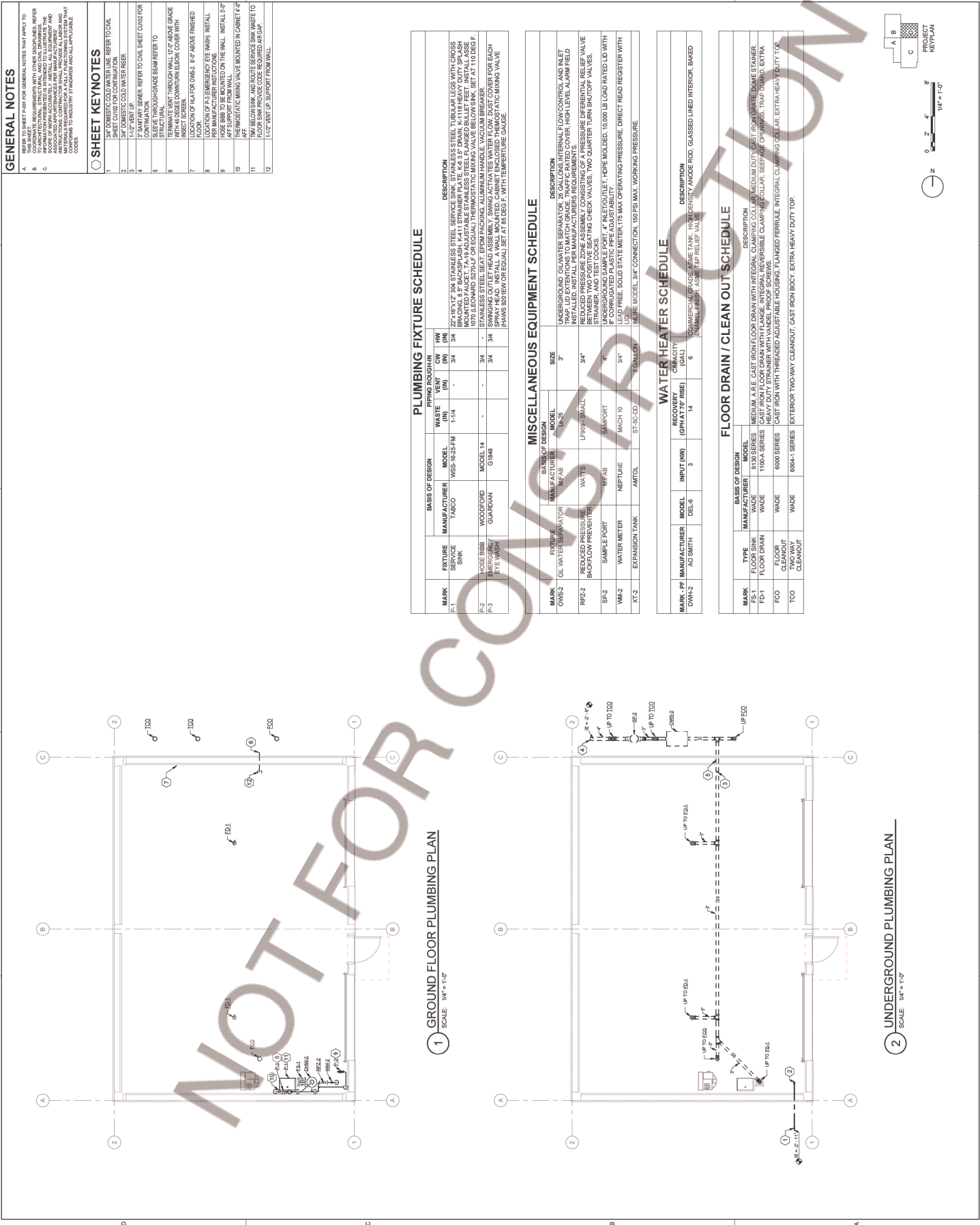
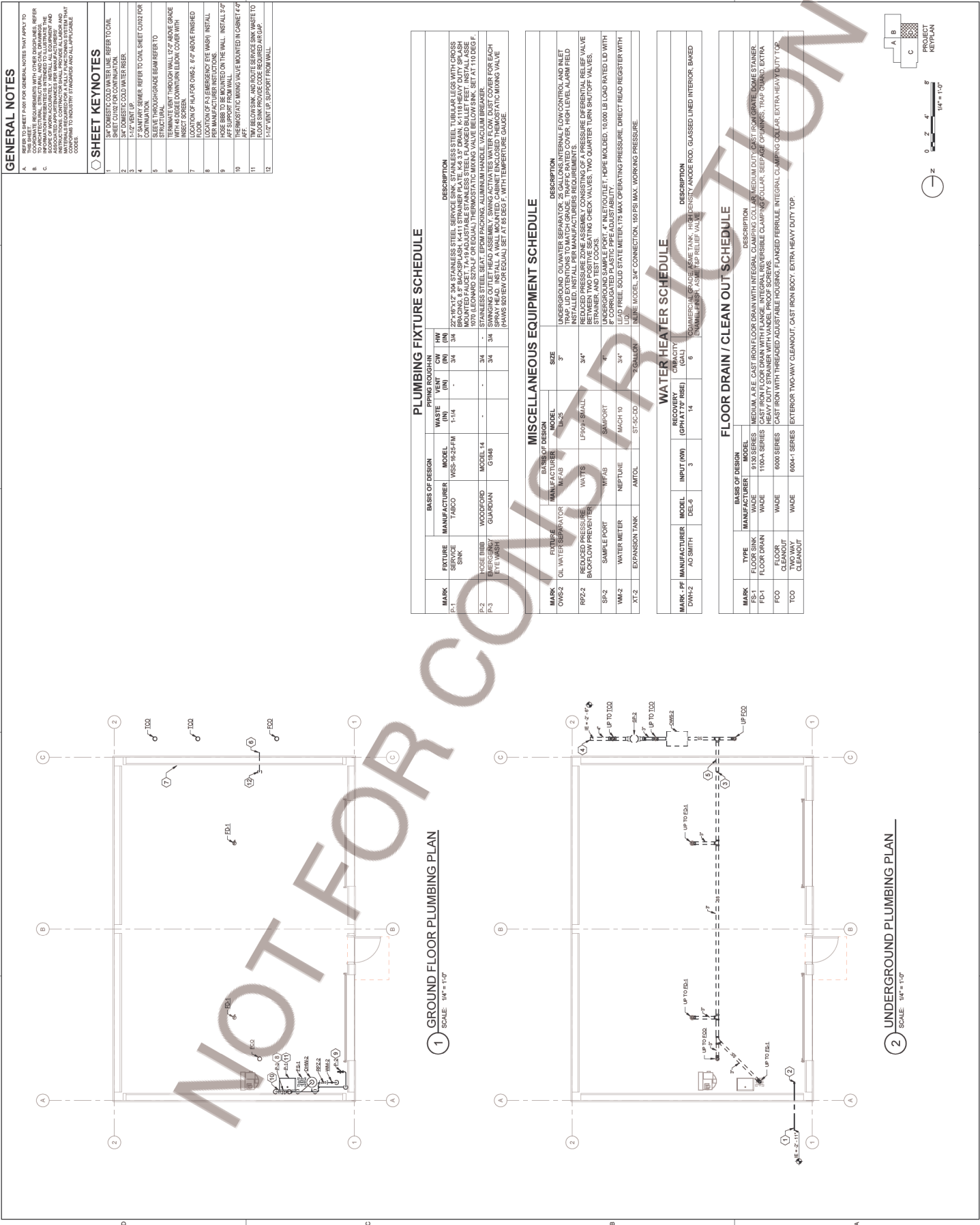
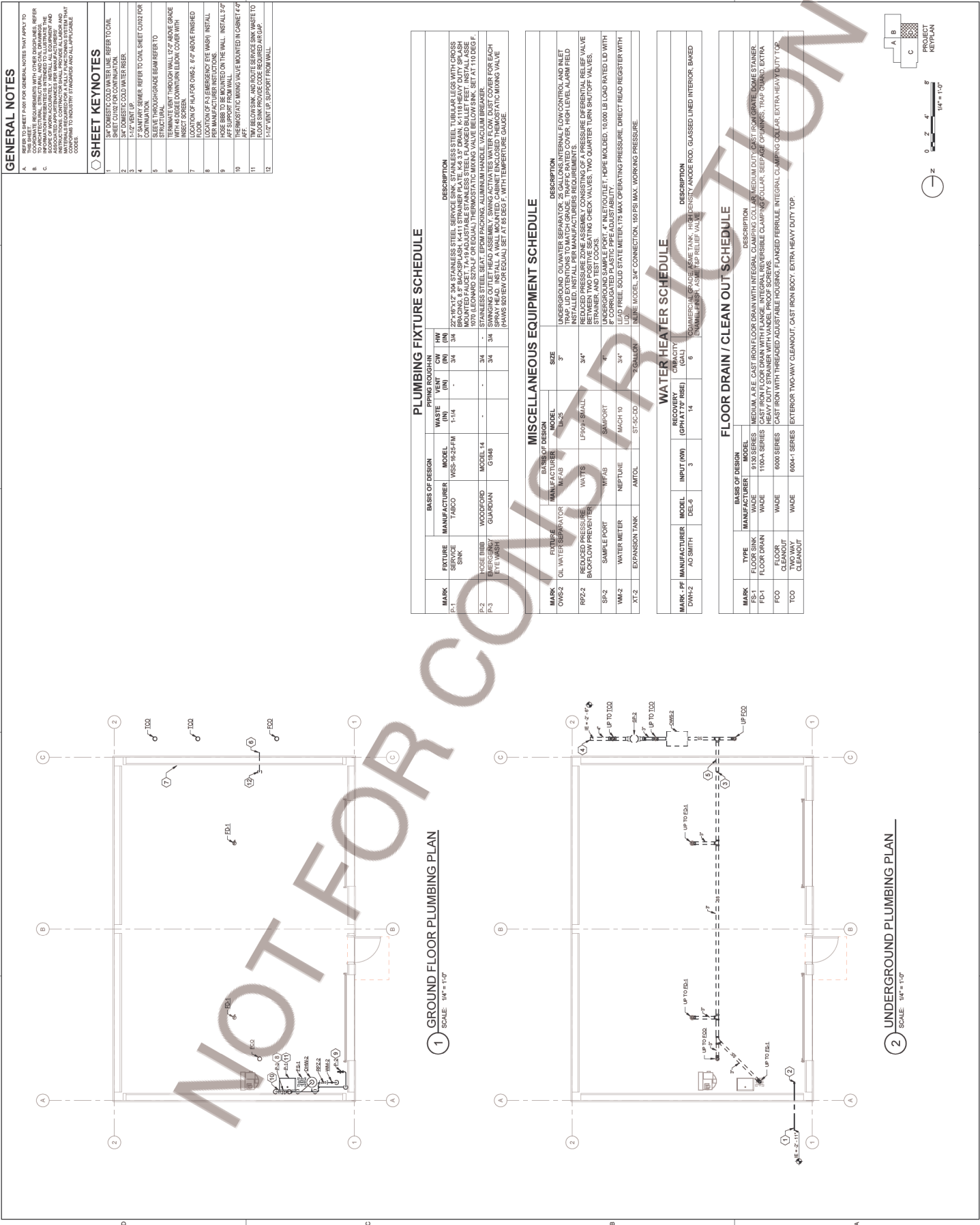
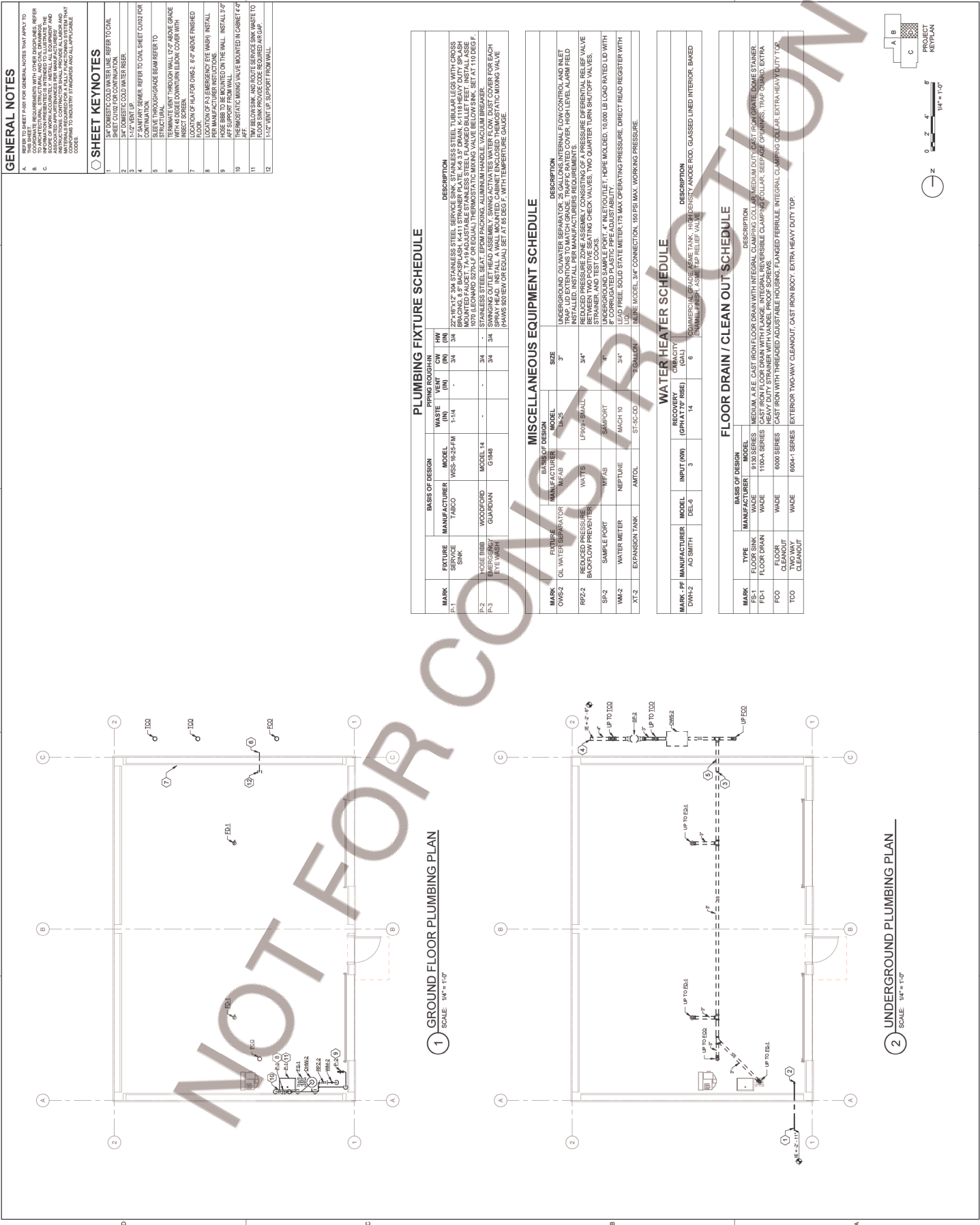
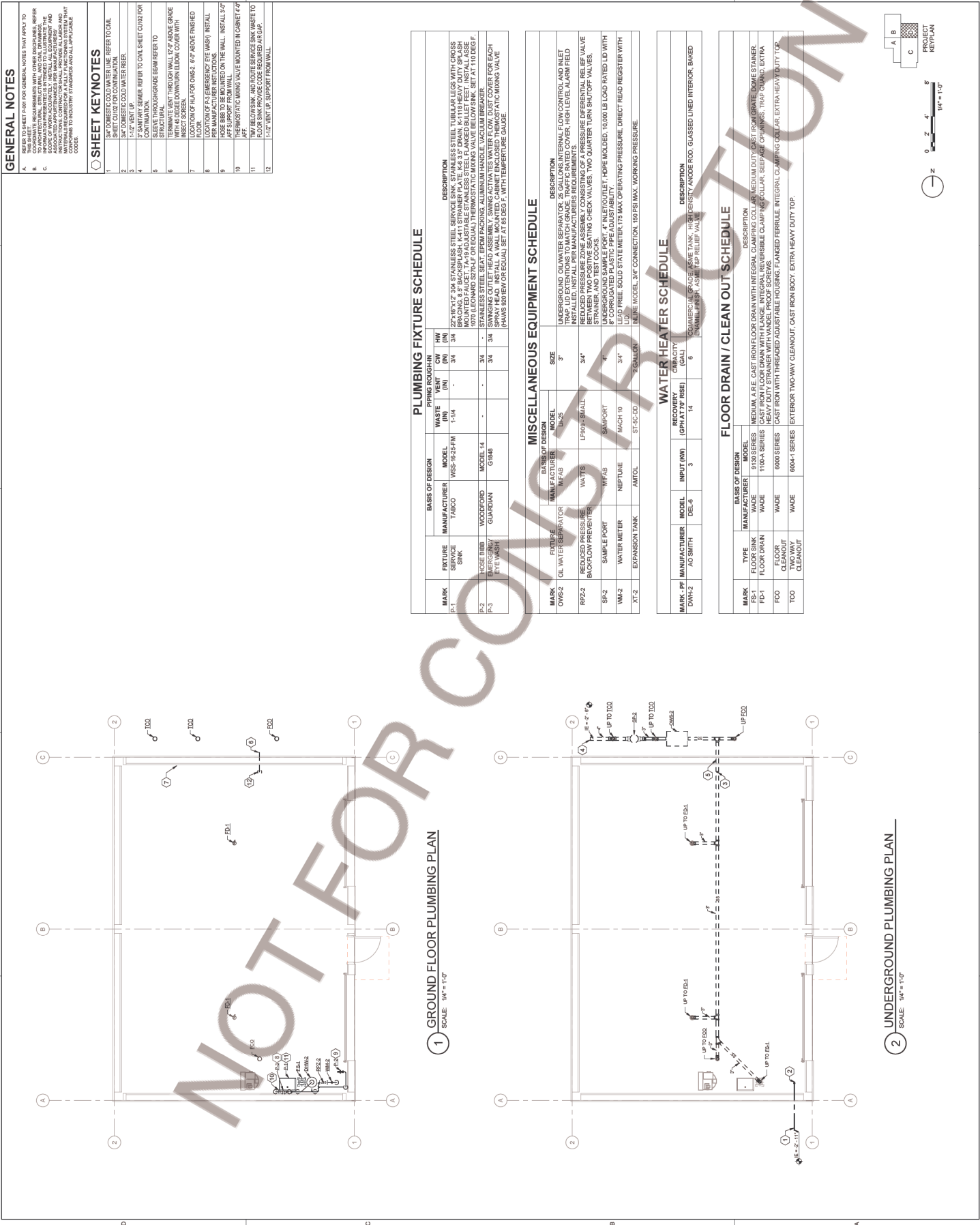
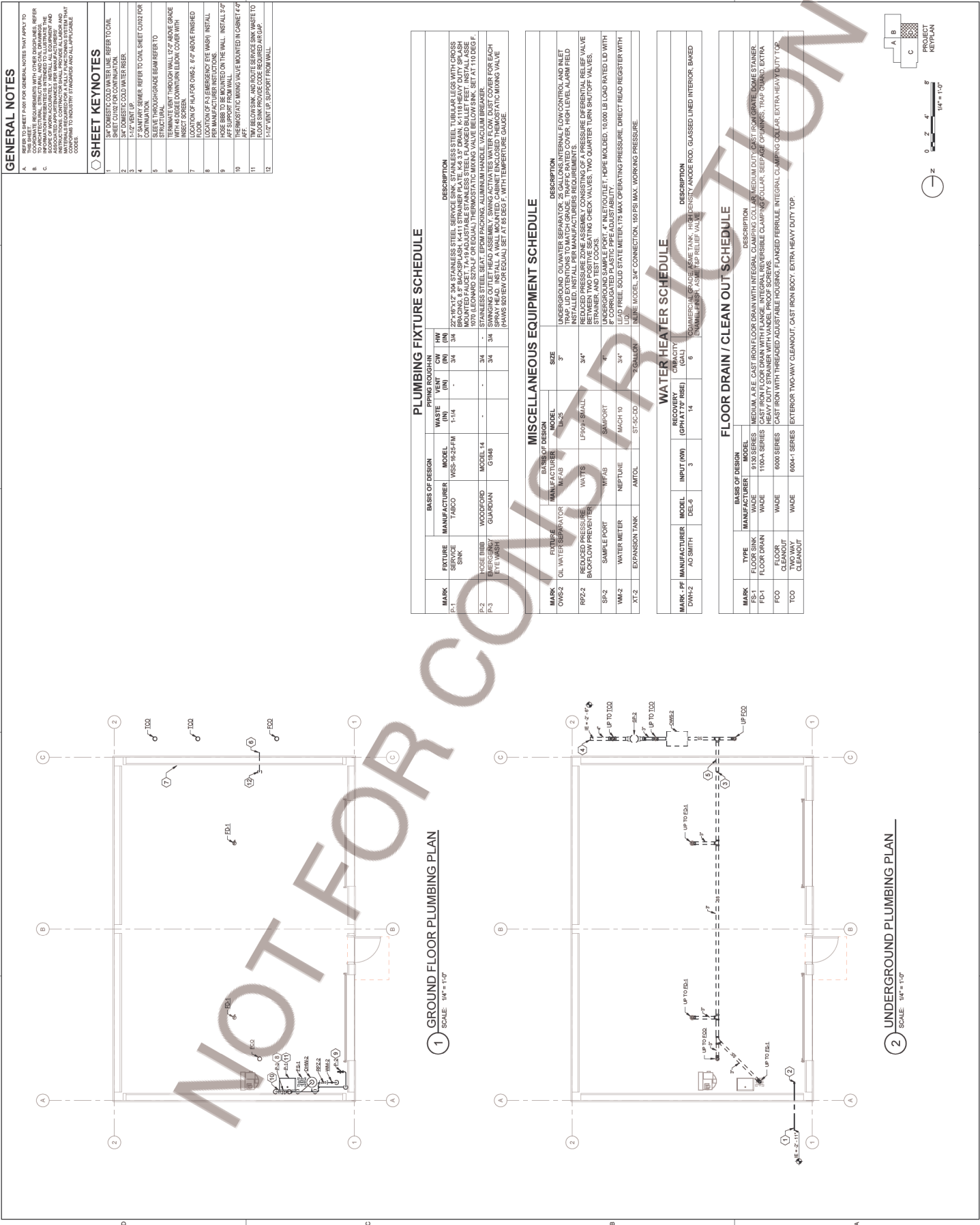
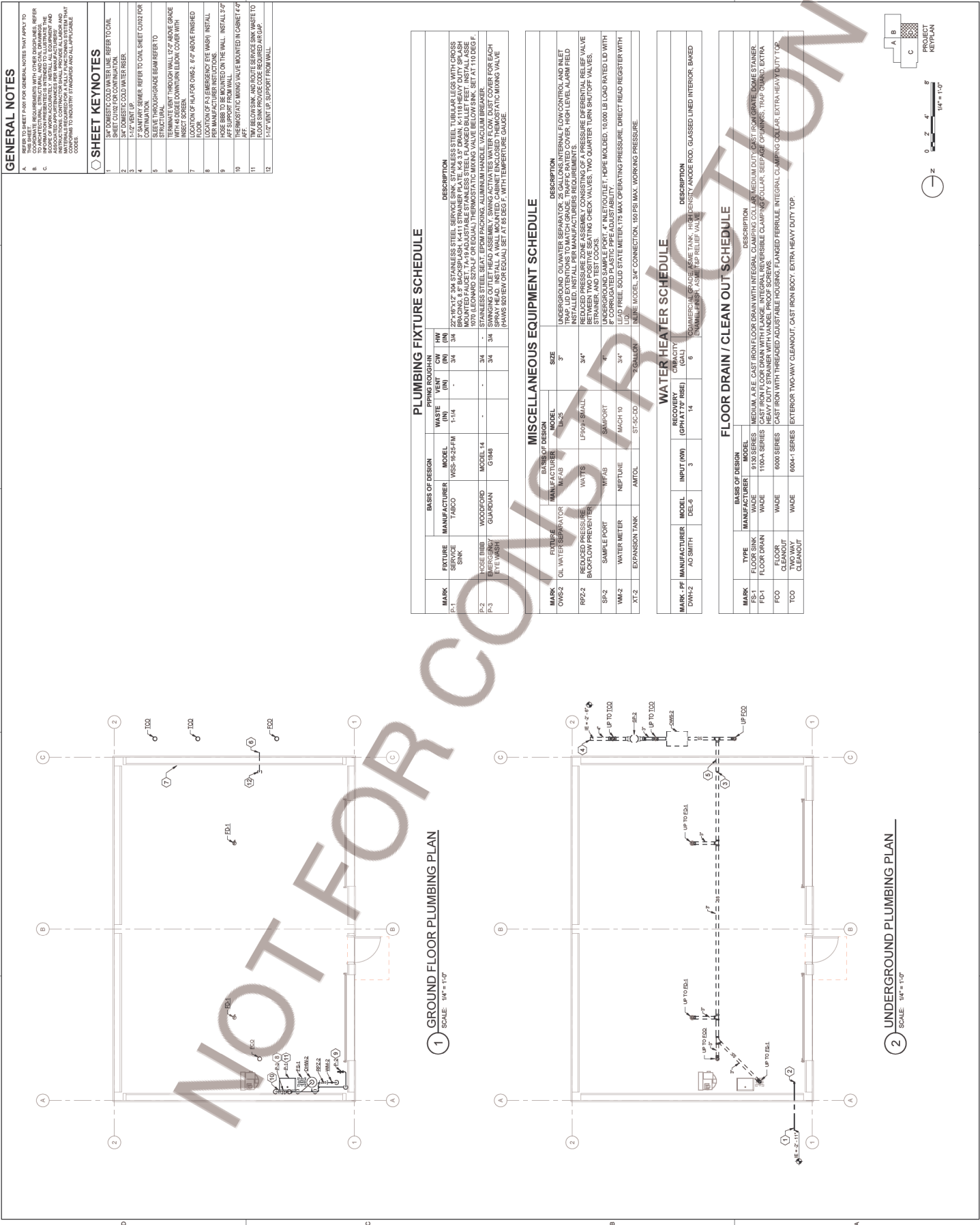
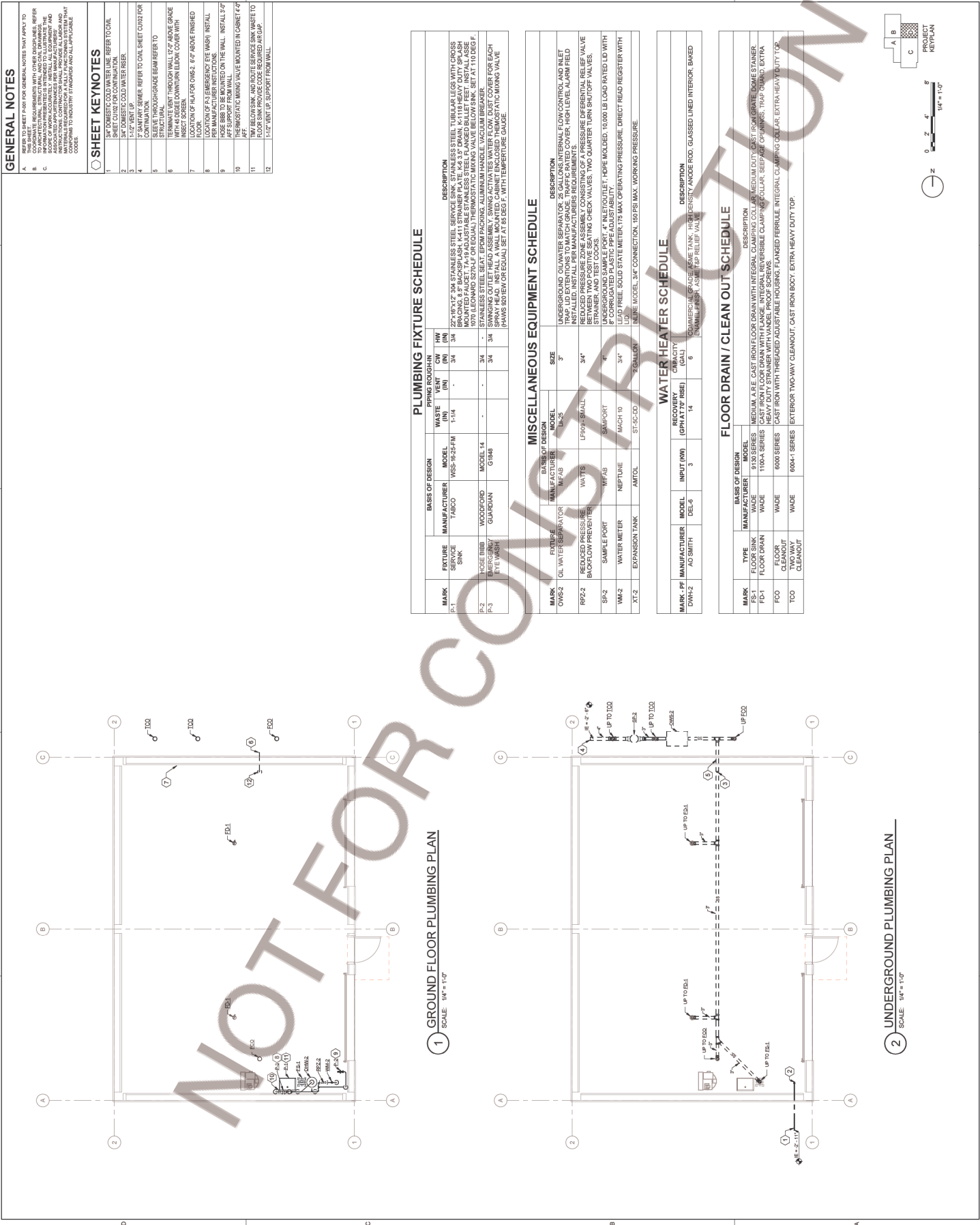
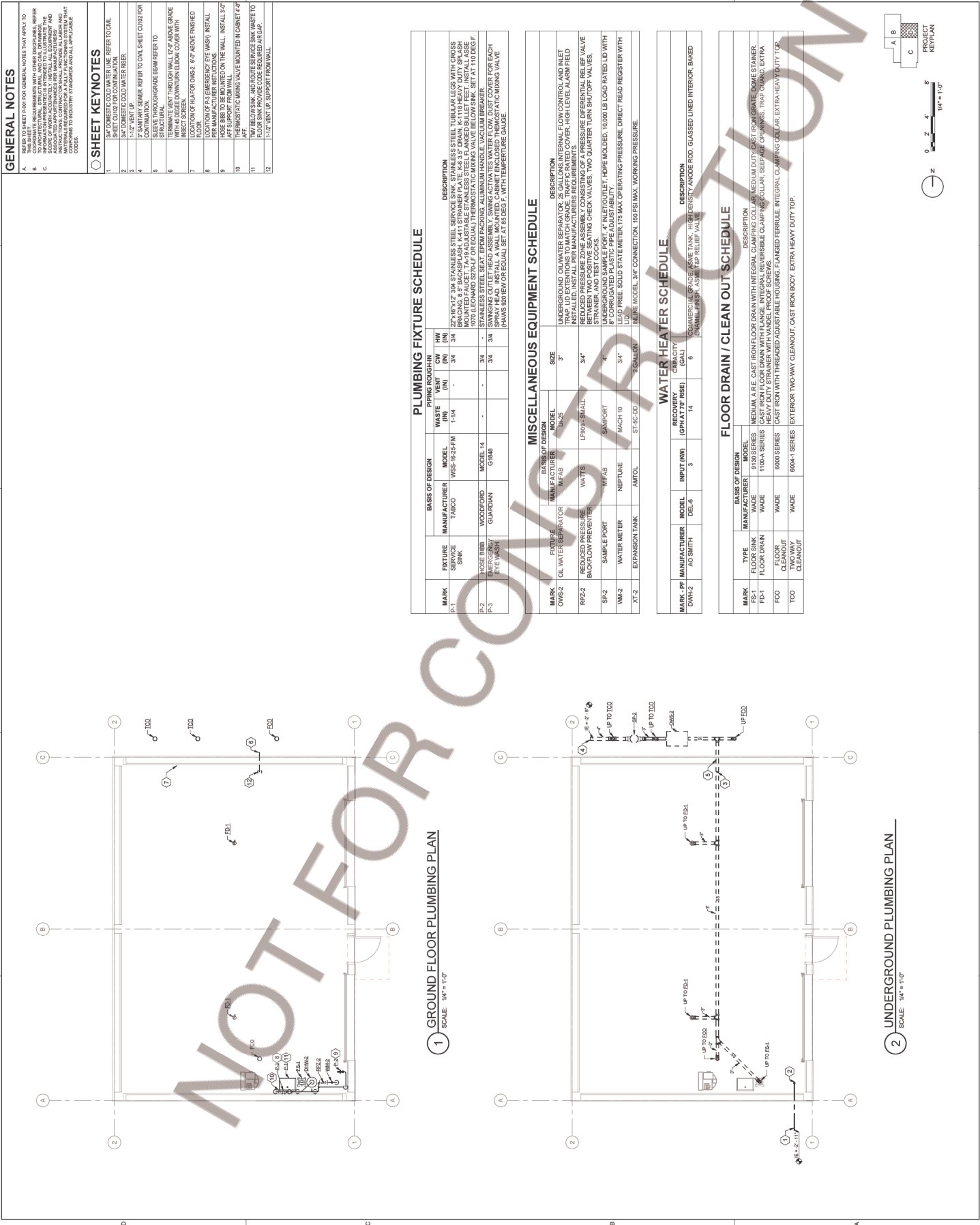
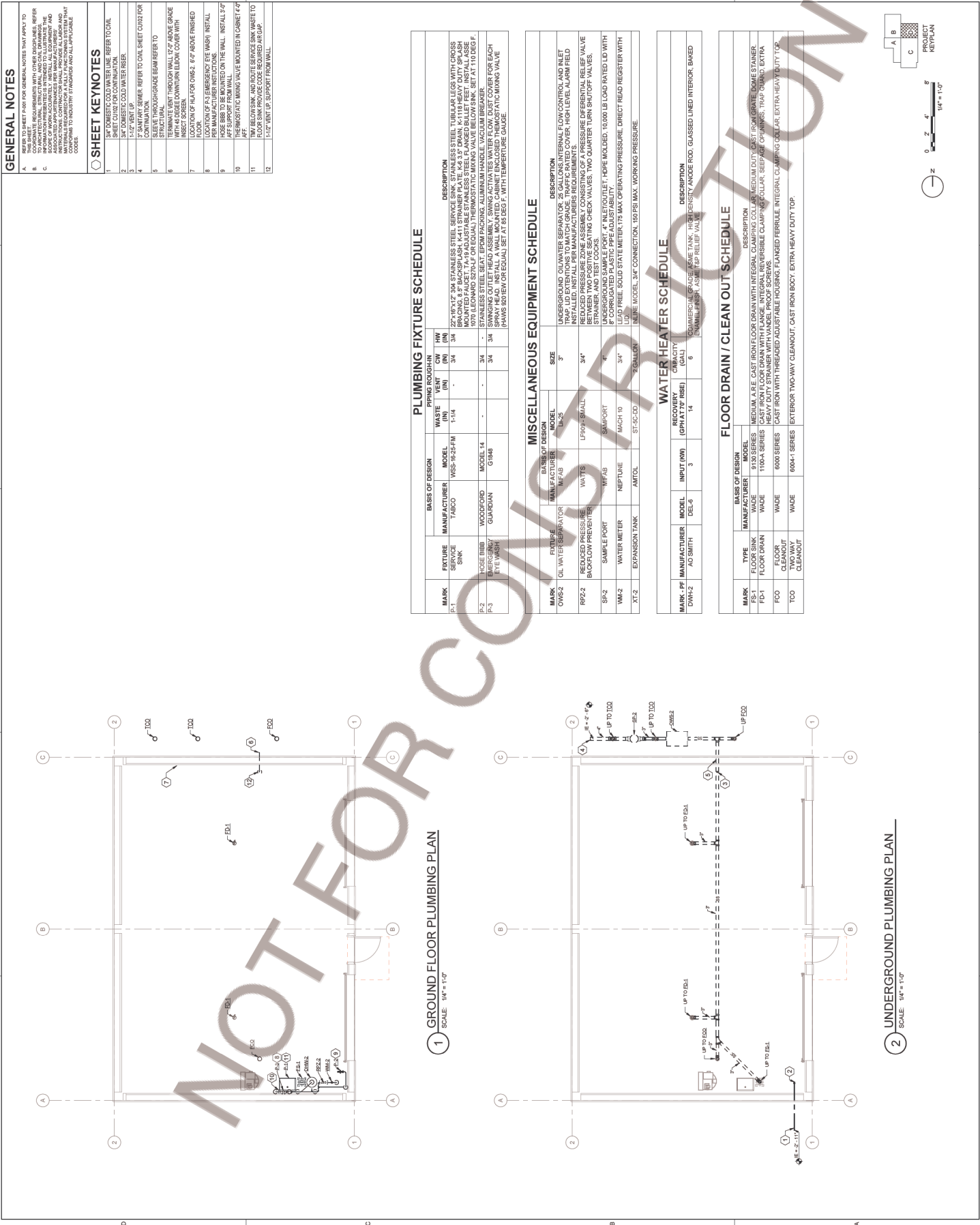
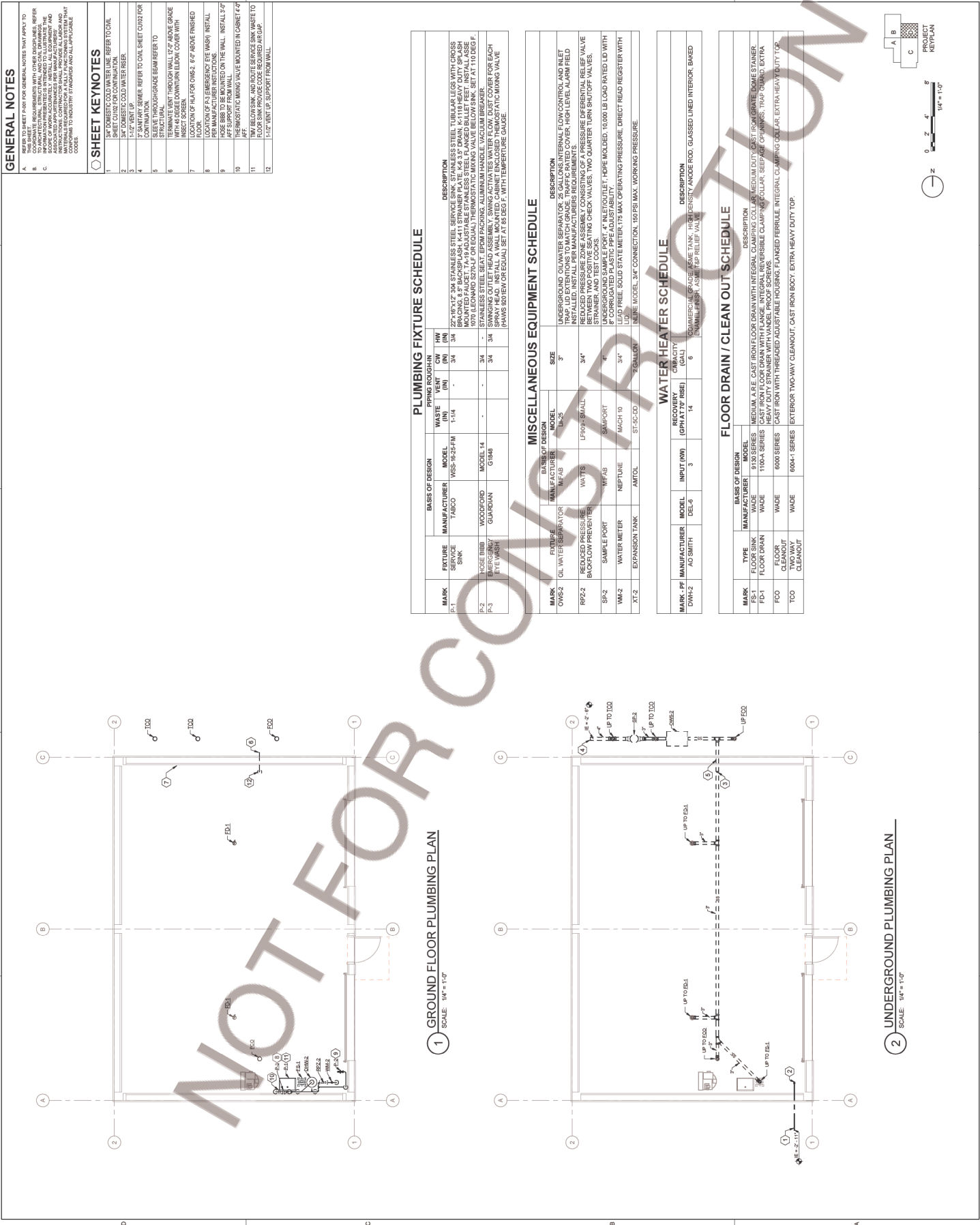
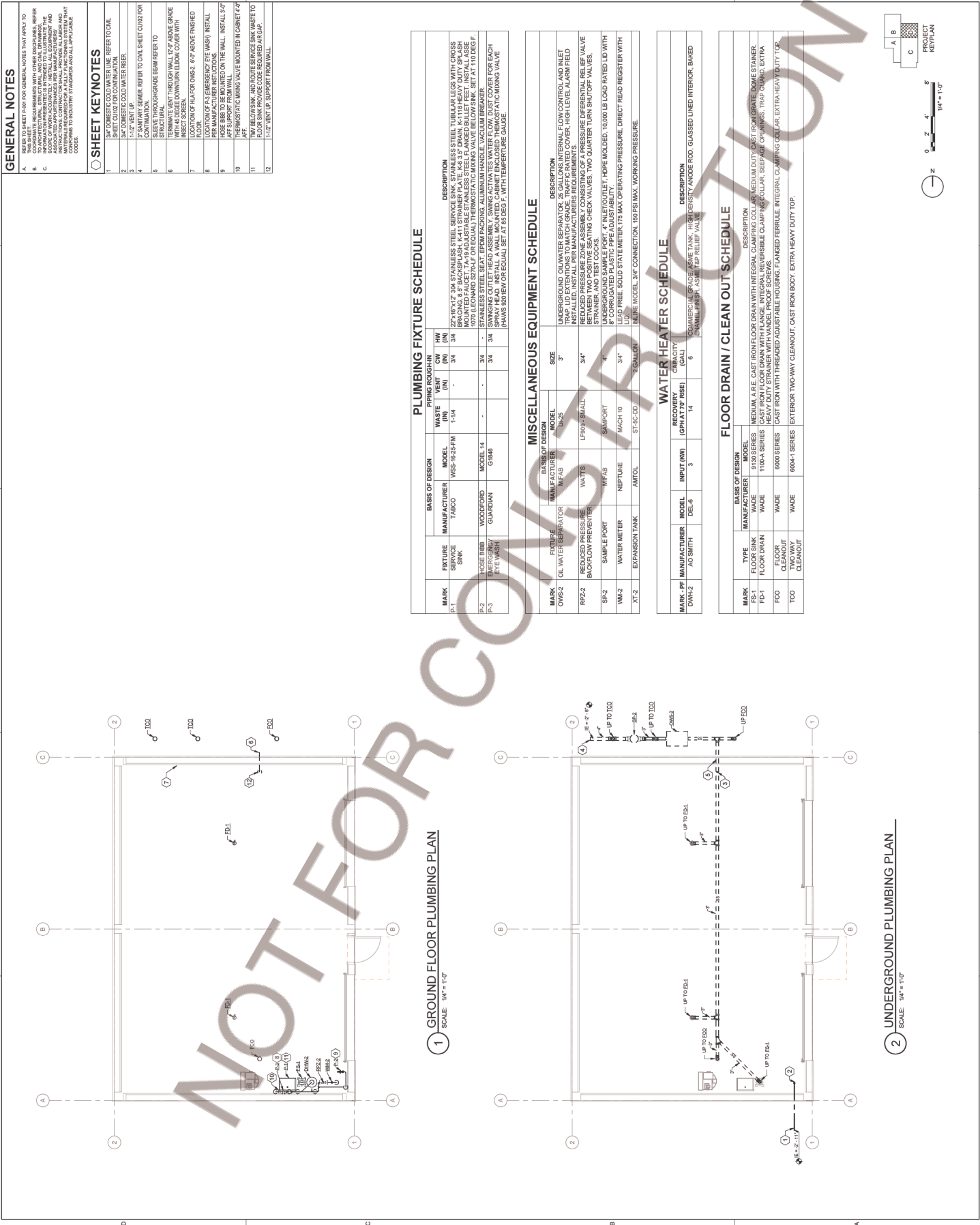
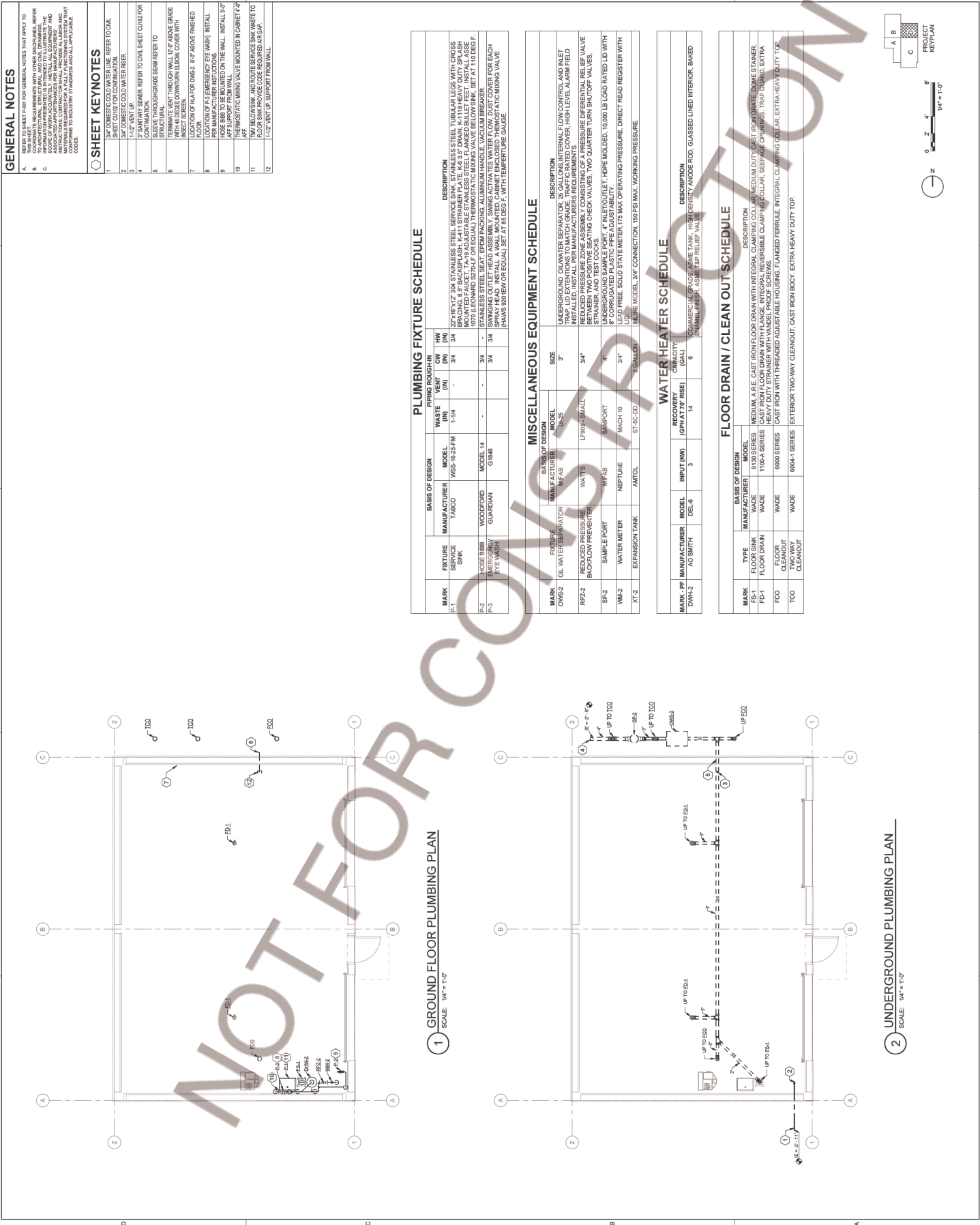
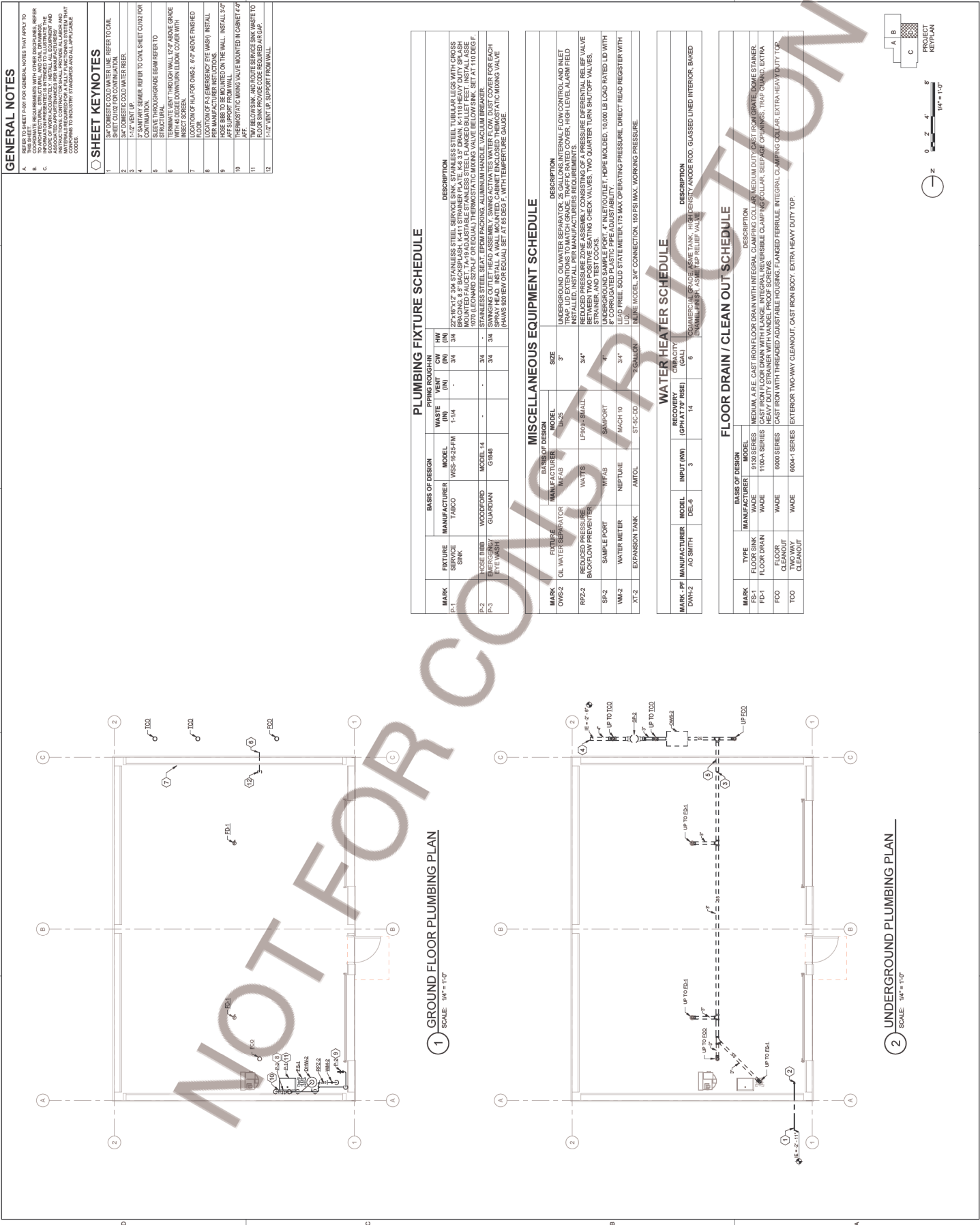
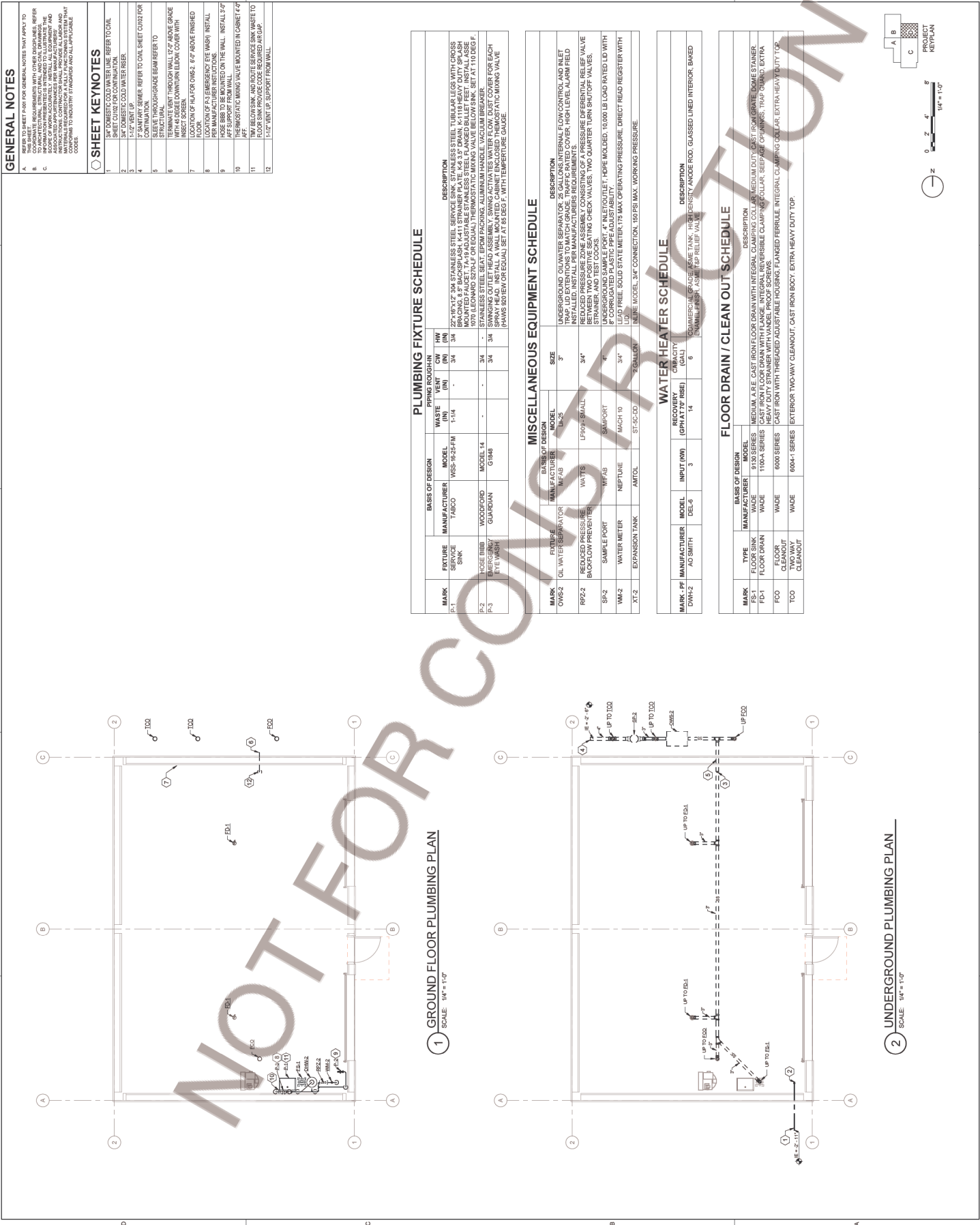
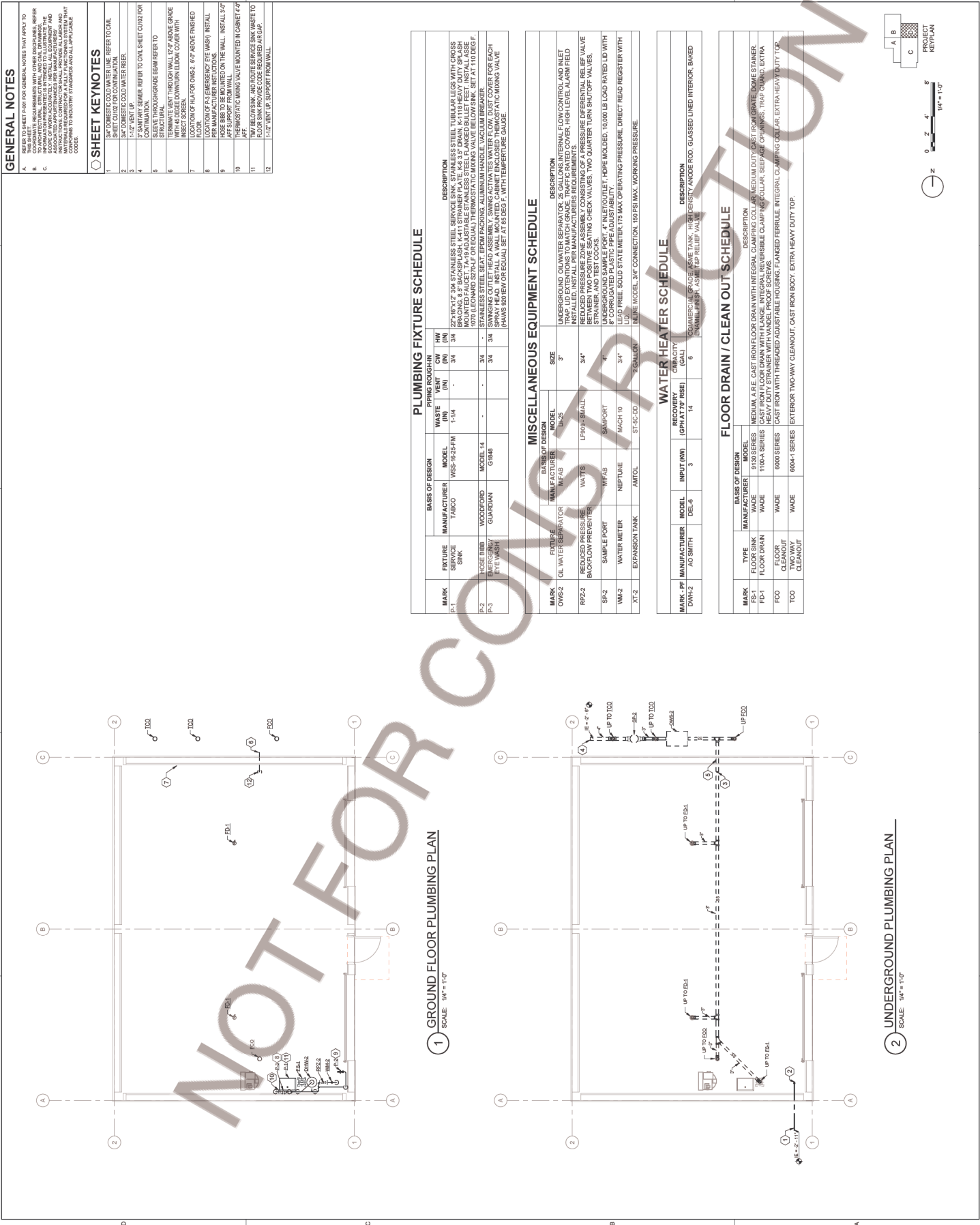
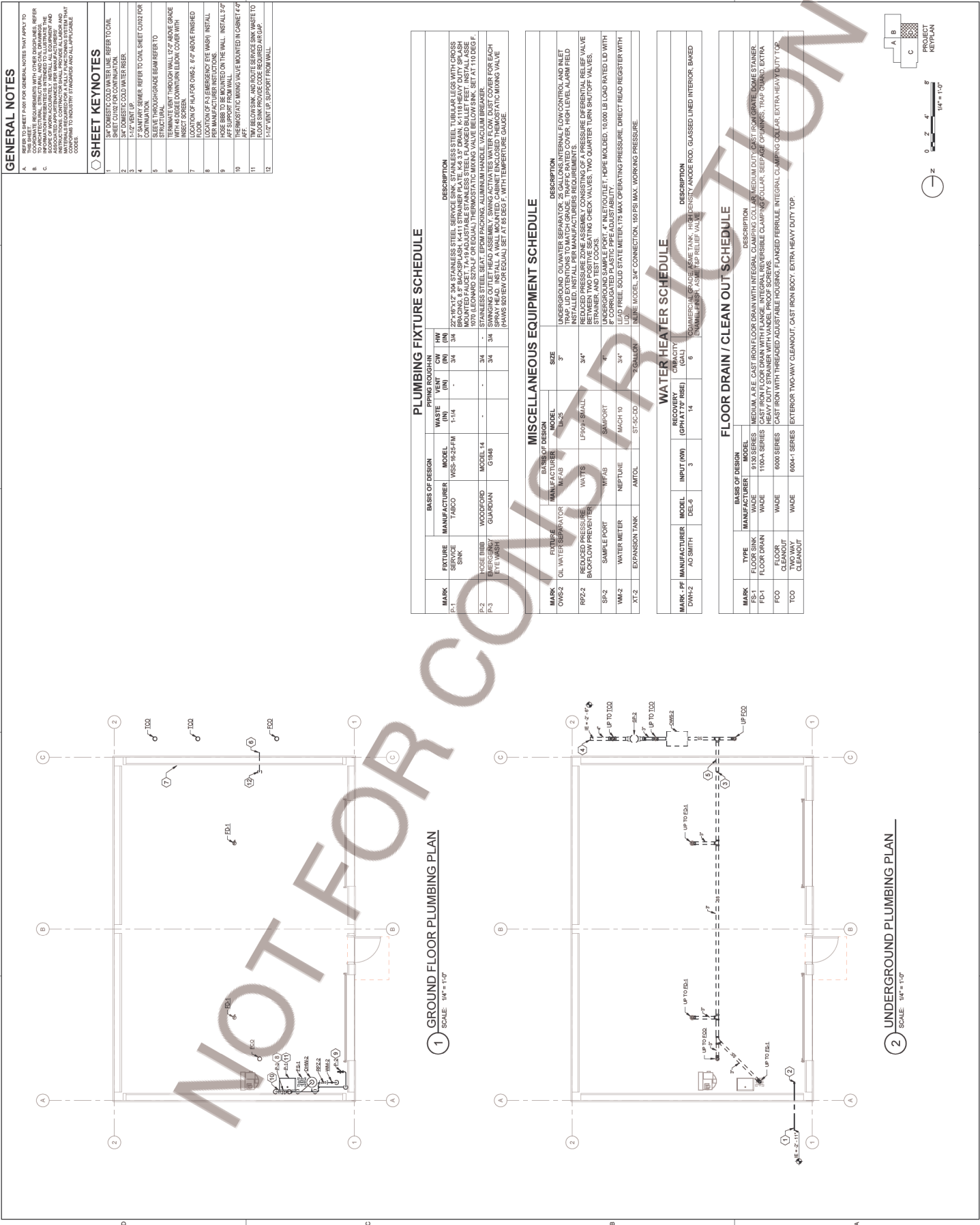
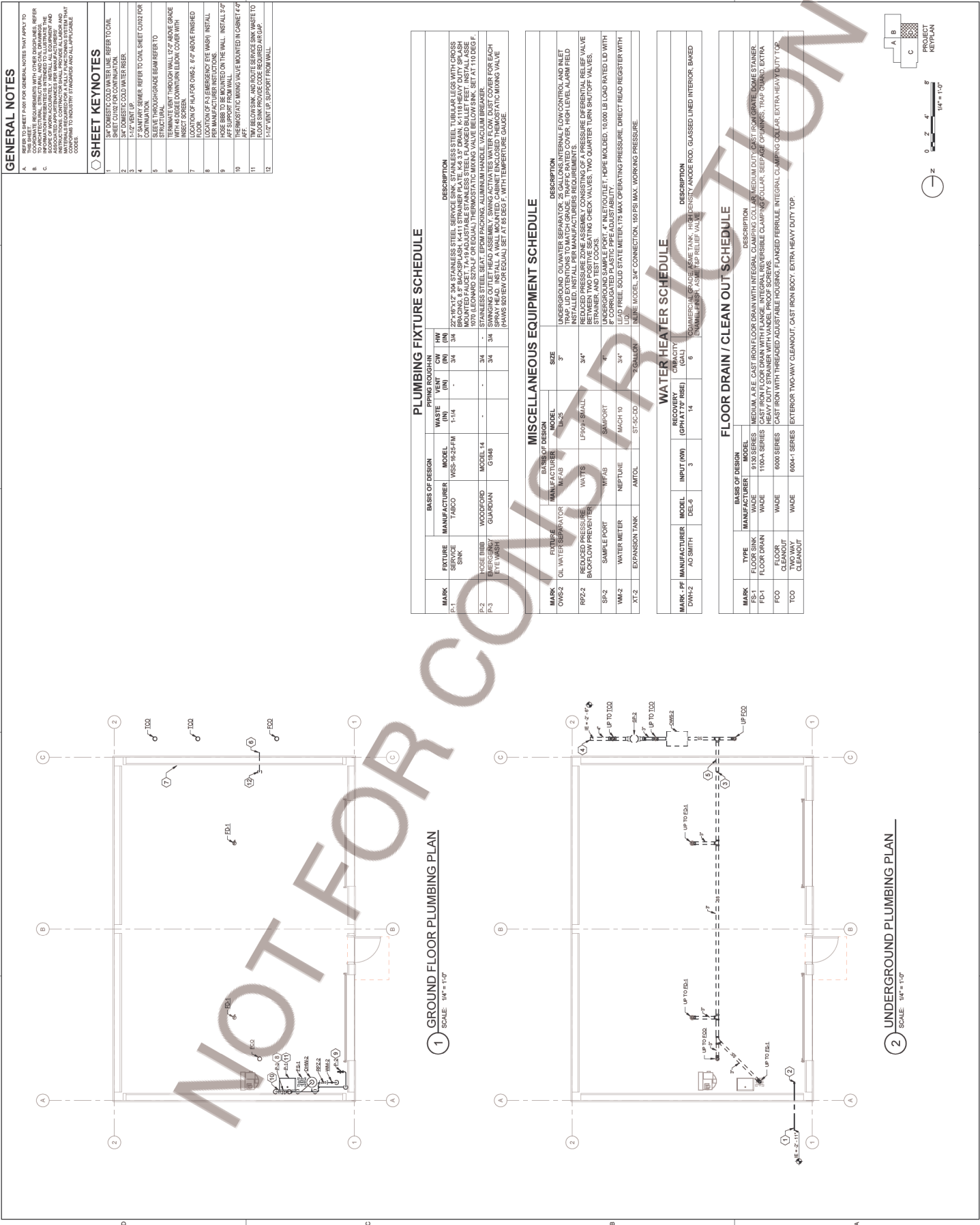
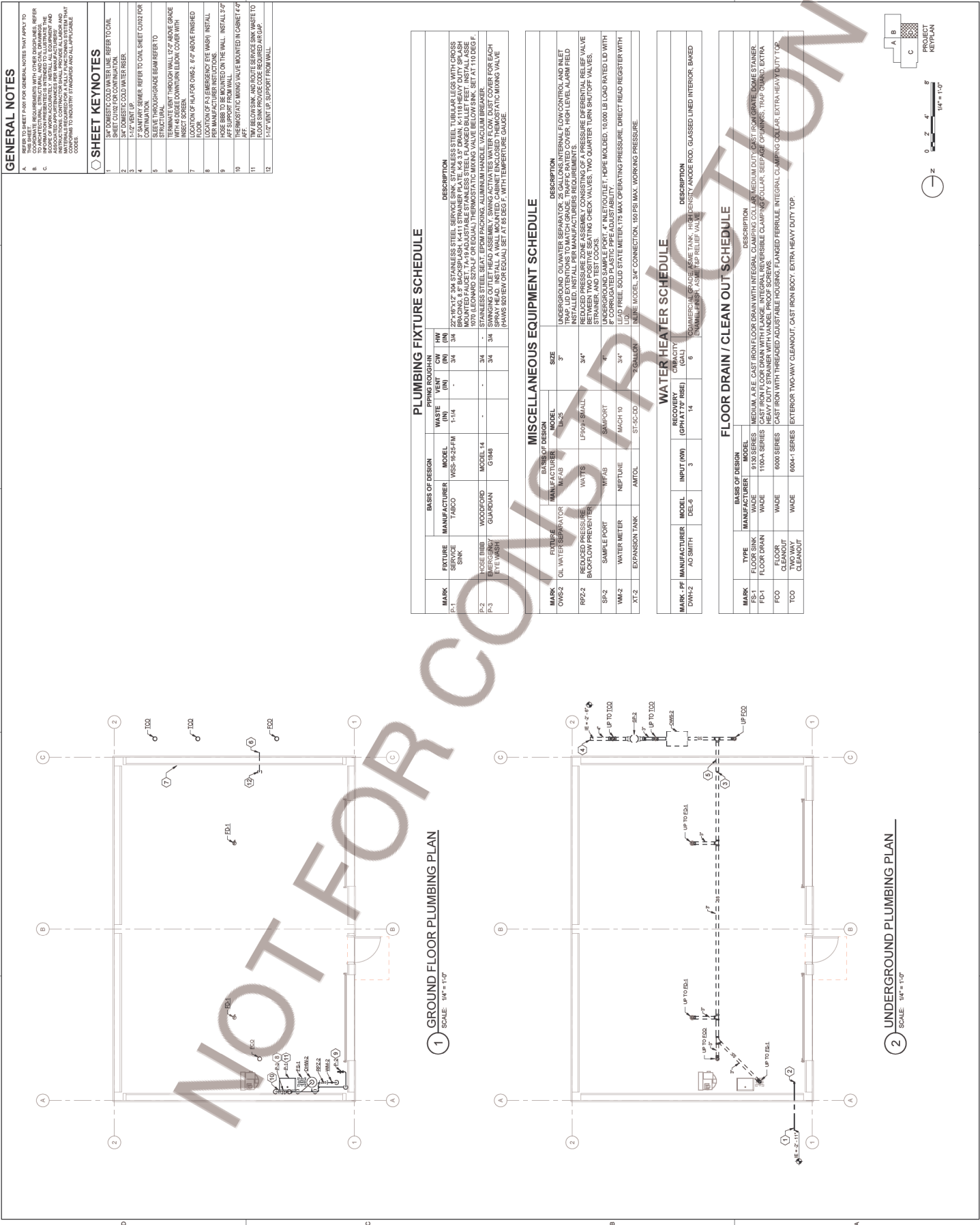
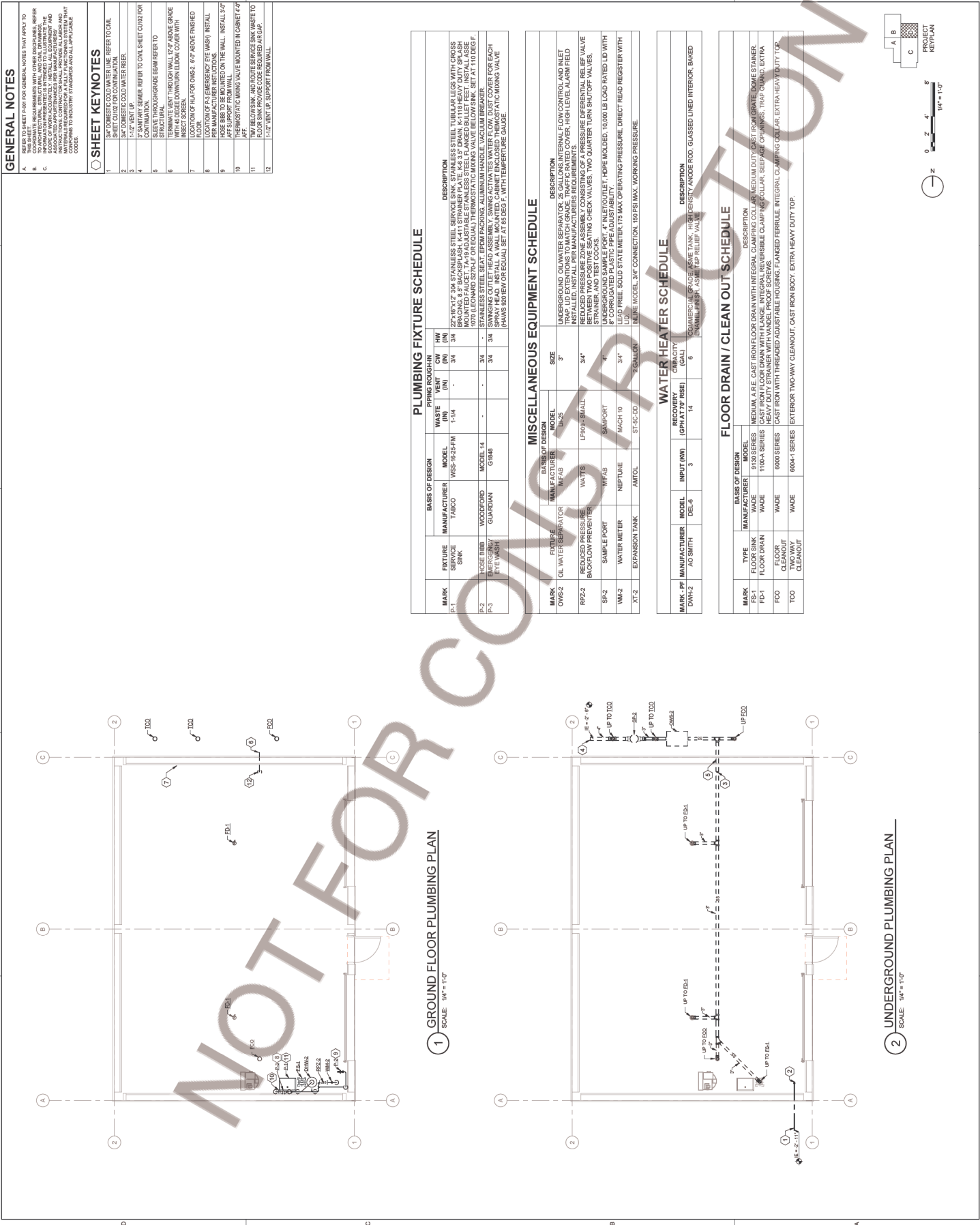
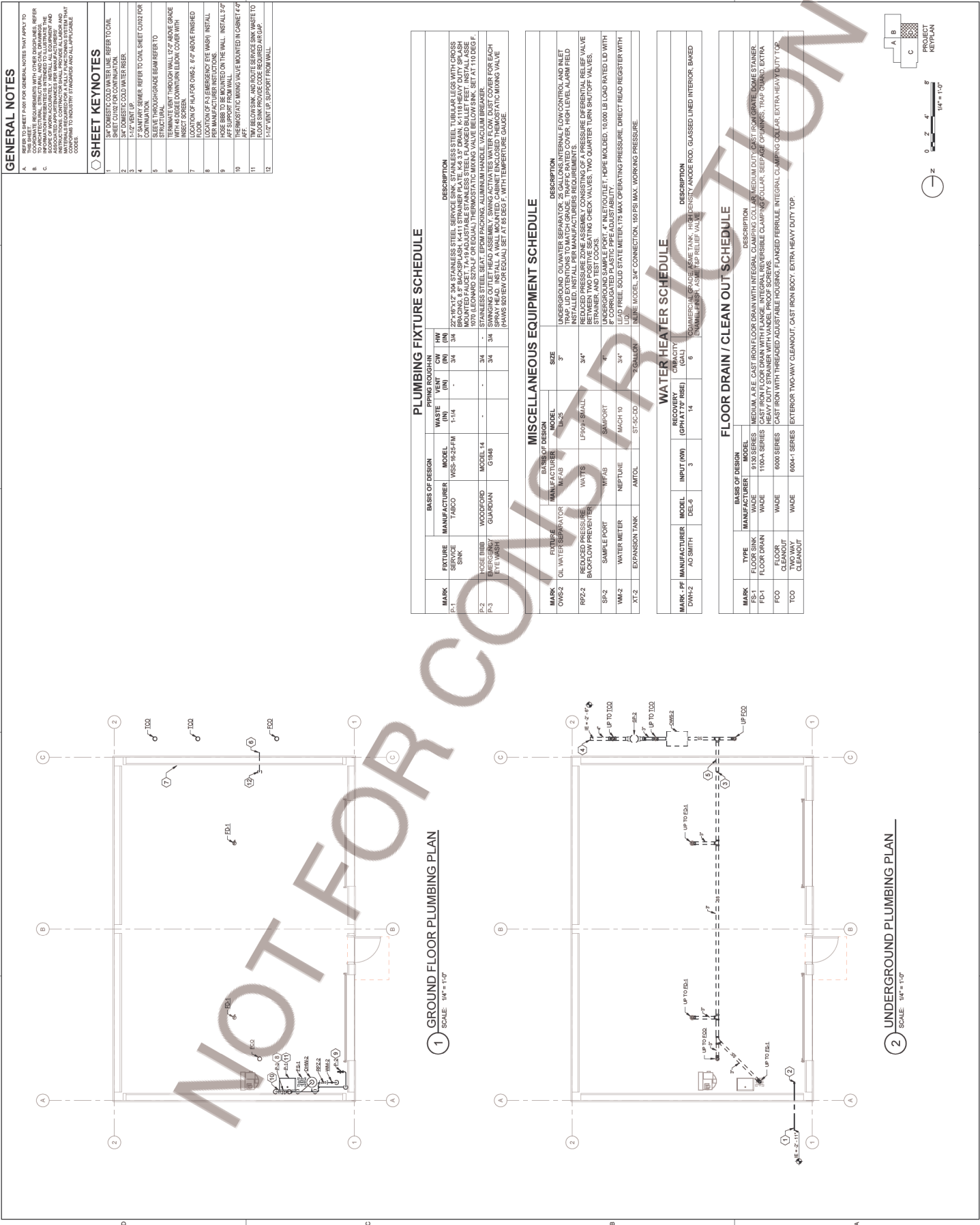
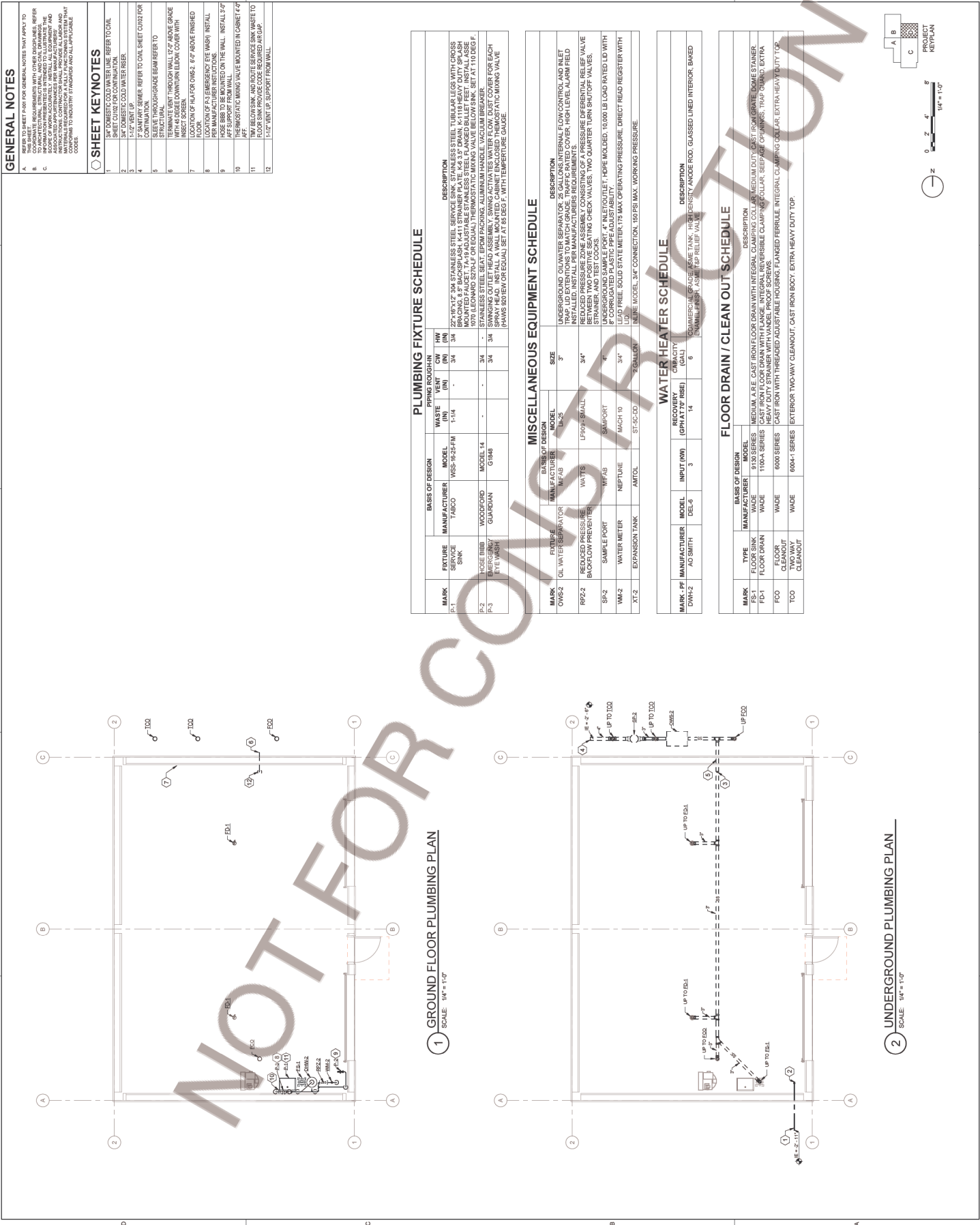
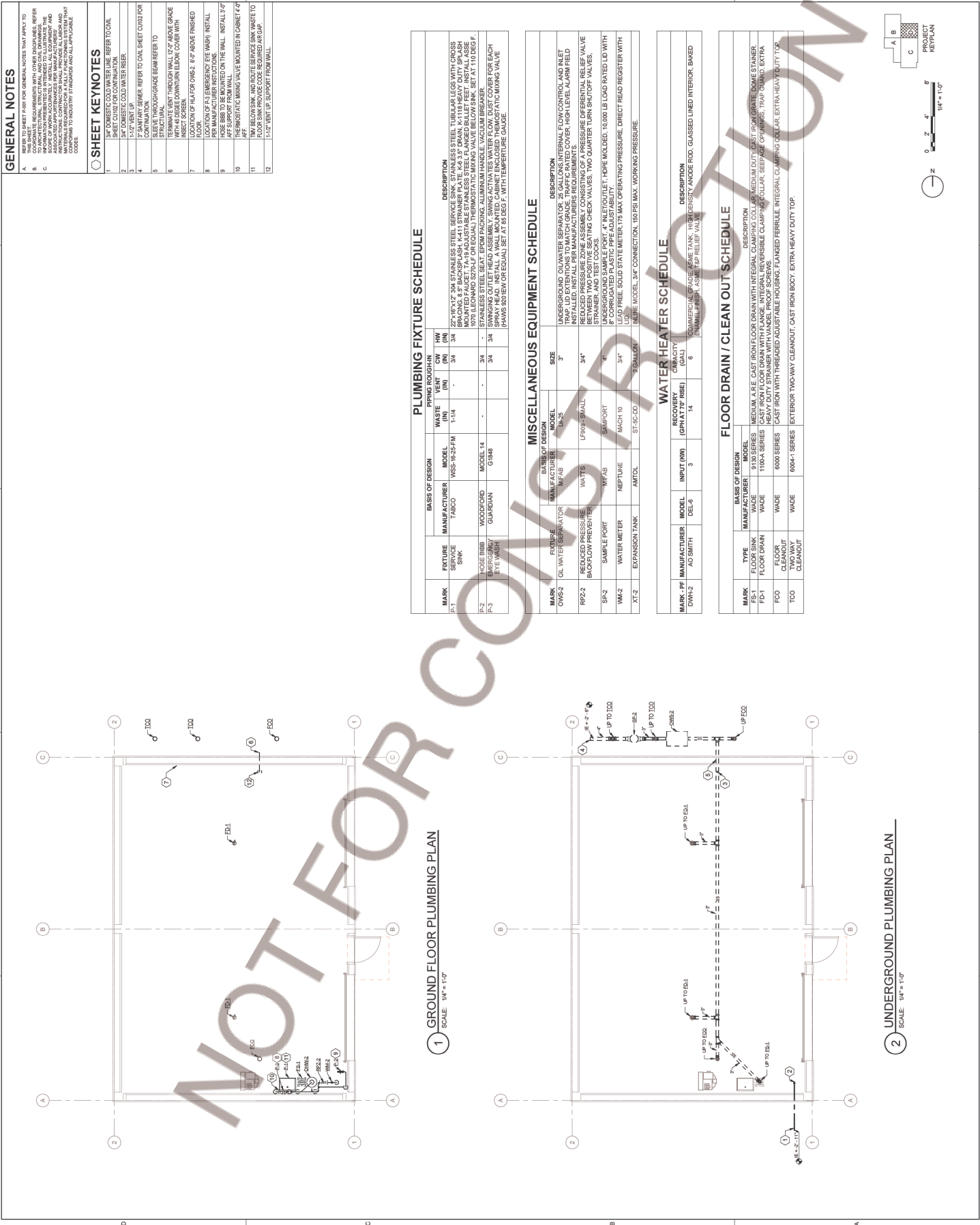
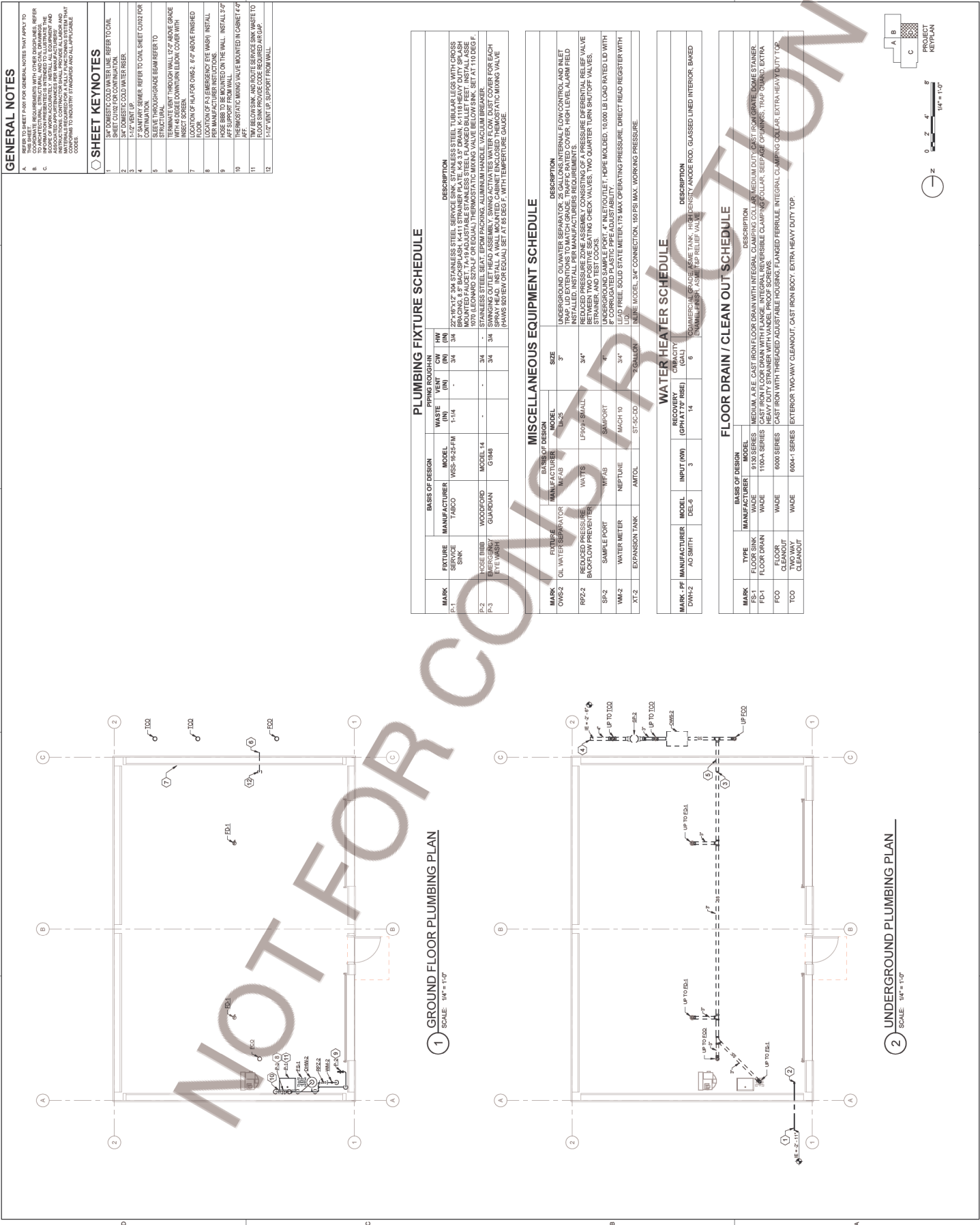
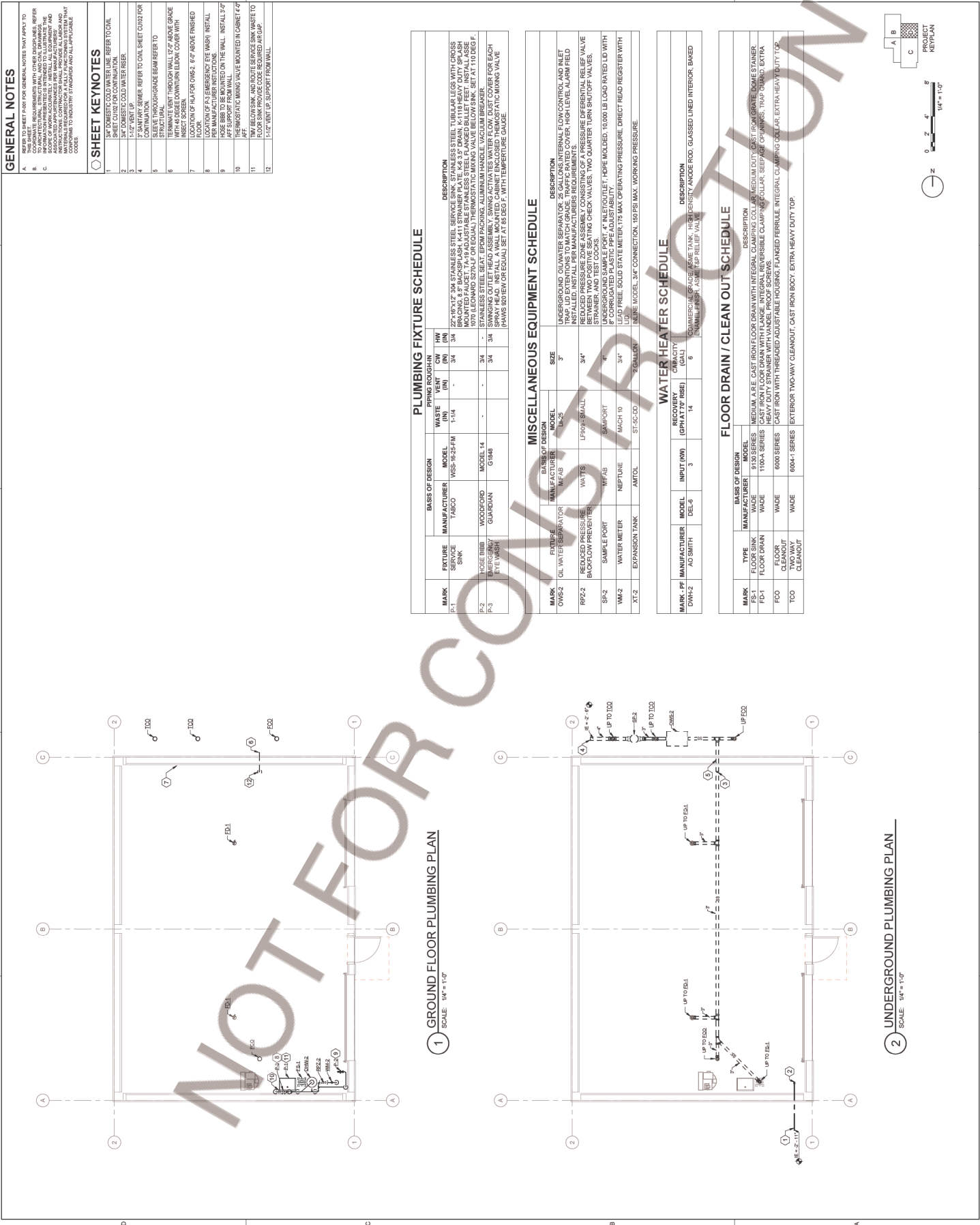
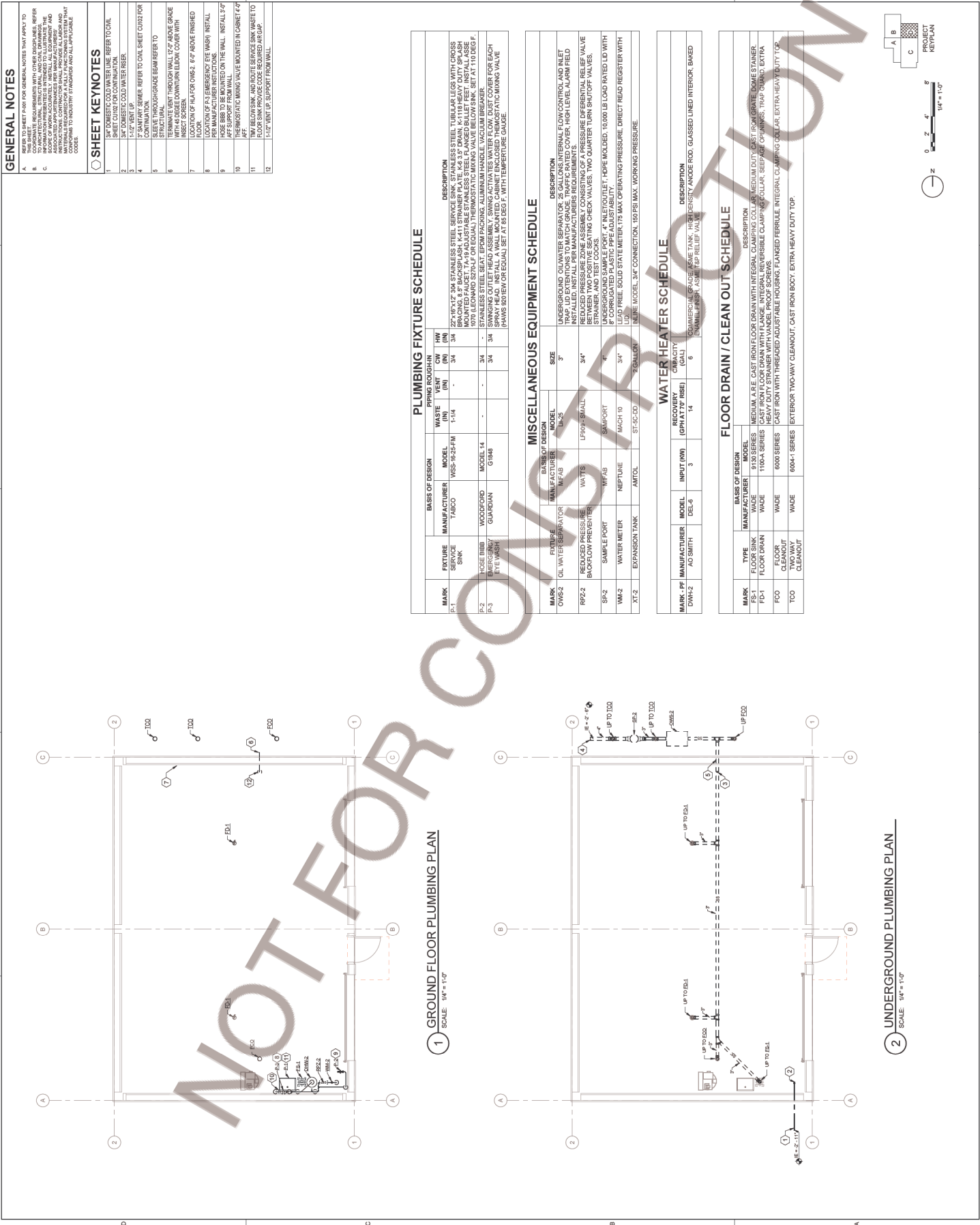
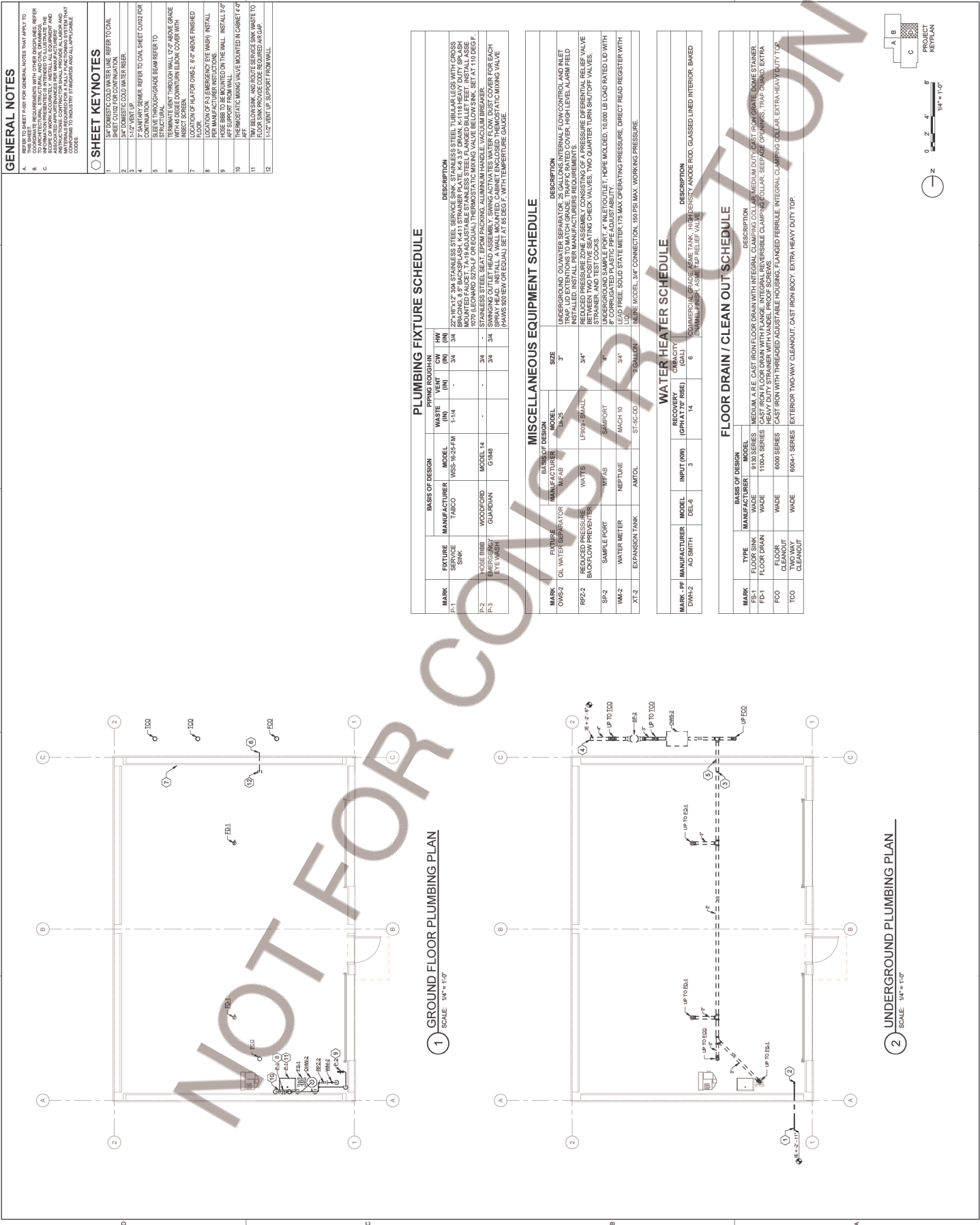
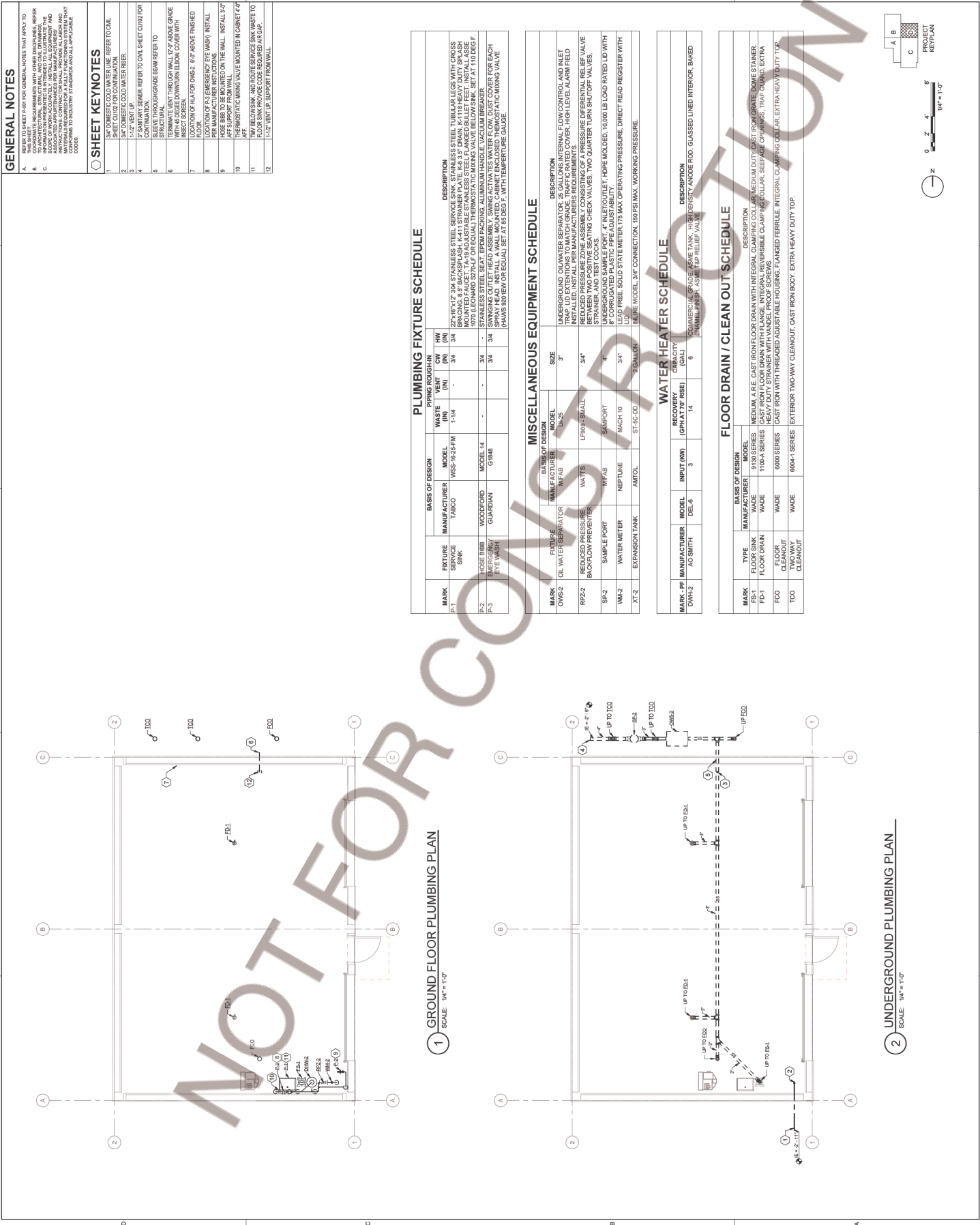
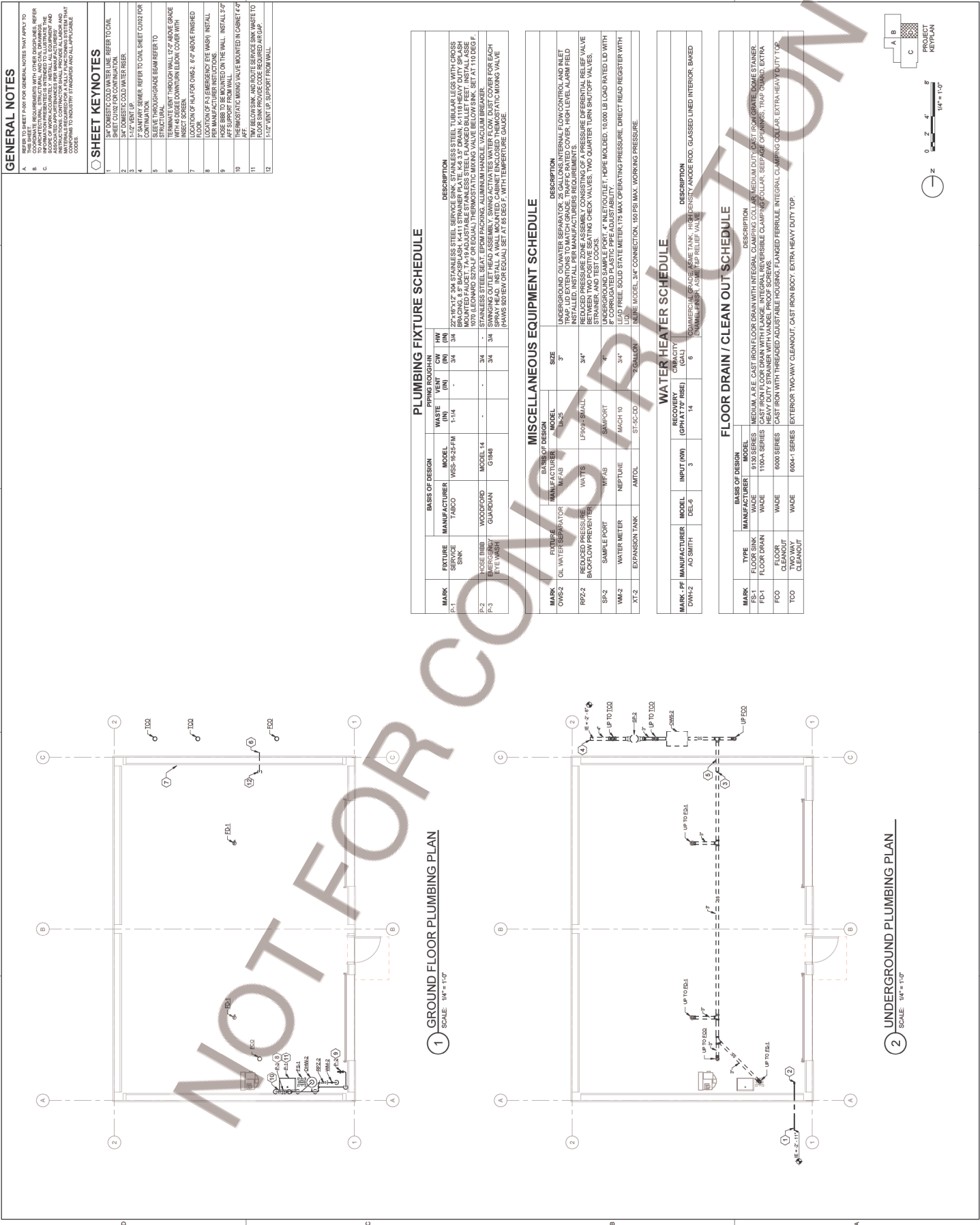
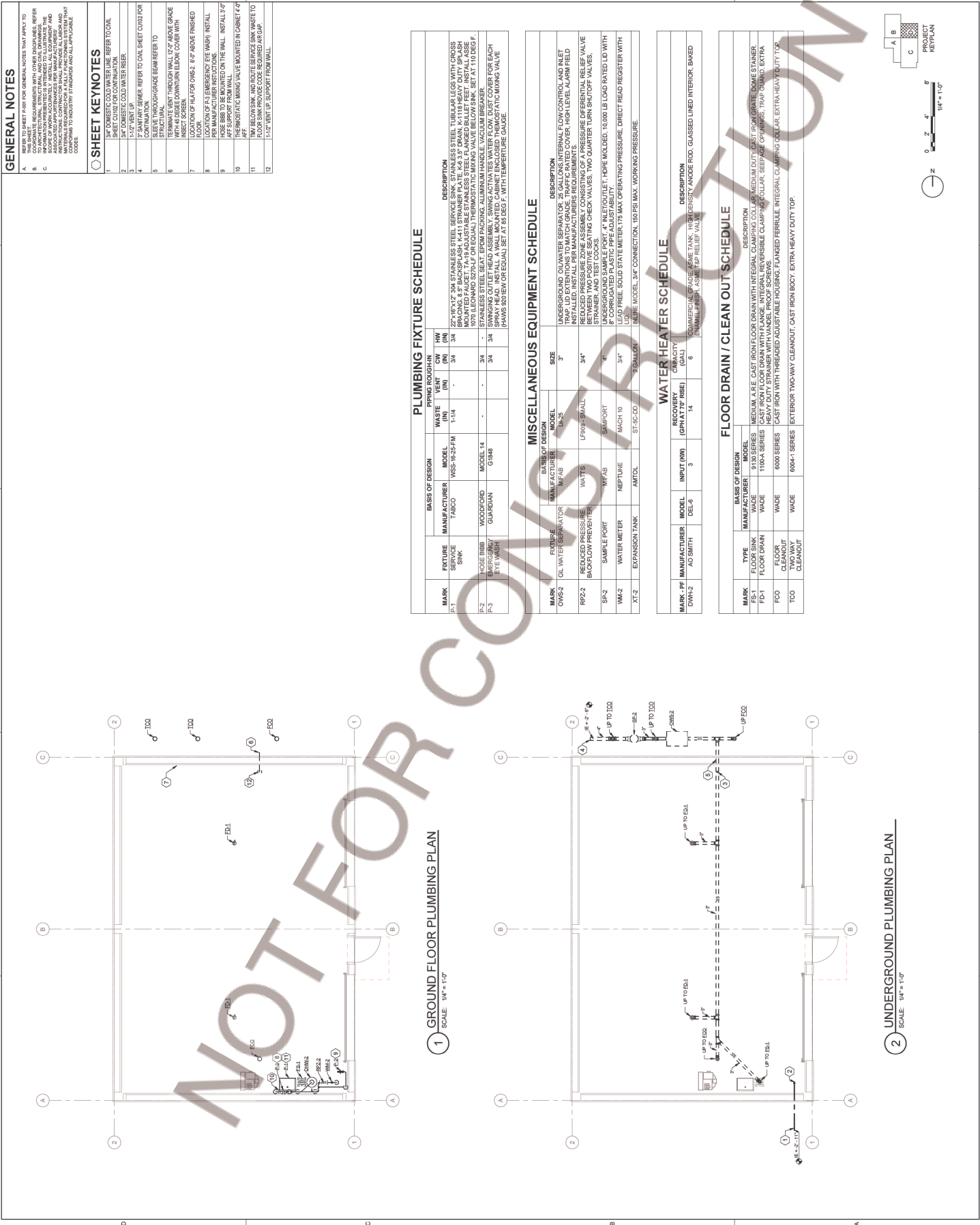
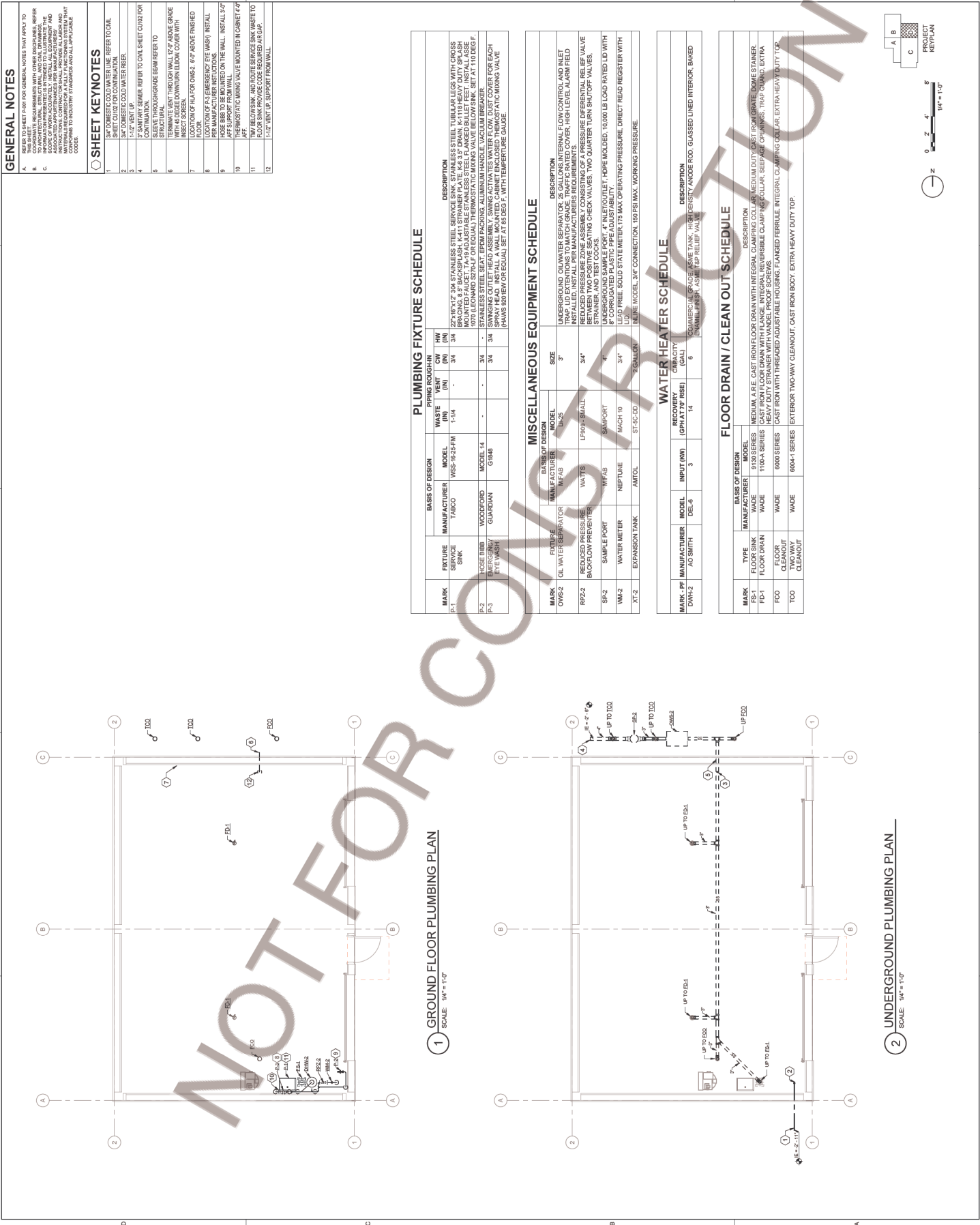
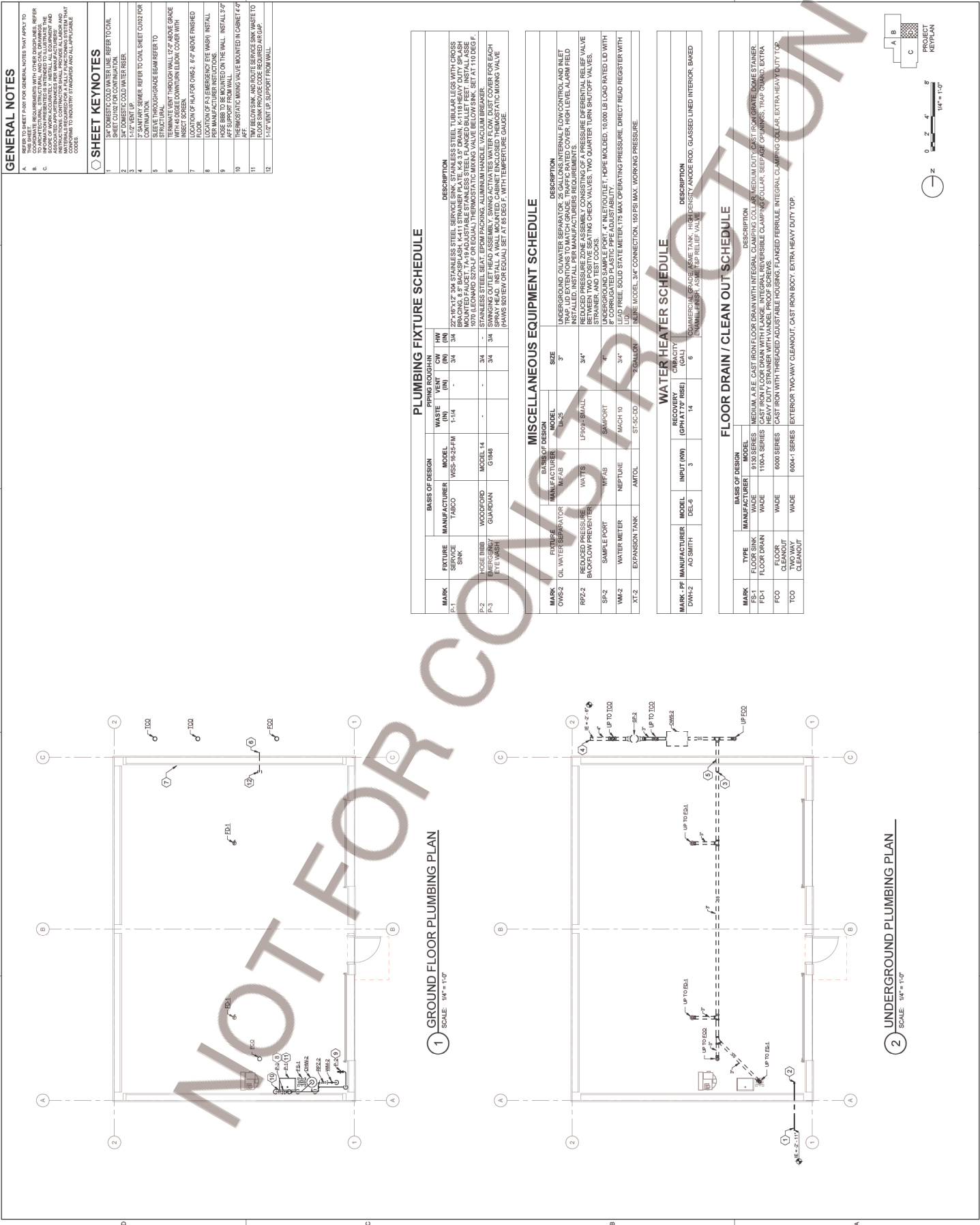
MARK	TYPE	BASIS OF DESIGN		DESCRIPTION	
		MANUFACTURER	MODEL	WASTE (IN)	VENT (IN)
F-1	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-2	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-3	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-4	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-5	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-6	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-7	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-8	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-9	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-10	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-11	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-12	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-13	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-14	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-15	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-16	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-17	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-18	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-19	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-20	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-21	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-22	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-23	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-24	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-25	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-26	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-27	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-28	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-29	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-30	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-31	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-32	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-33	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-34	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-35	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-36	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-37	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-38	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-39	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-40	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-41	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-42	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-43	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-44	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-45	FLOOR DRAIN	WATTS	1100-SERIES	-	-
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F-59	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-60	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-61	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-62	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-63	FLOOR DRAIN	WATTS	1100-SERIES	-	-
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F-67	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-68	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-69	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-70	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-71	FLOOR DRAIN	WATTS	1100-SERIES	-	-
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F-83	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-84	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-85	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-86	FLOOR DRAIN	WATTS	1100-SERIES	-	-
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F-93	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-94	FLOOR DRAIN	WATTS	1100-SERIES	-	-
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F-96	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-97	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-98	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-99	FLOOR DRAIN	WATTS	1100-SERIES	-	-
F-100	FLOOR DRAIN	WATTS	1100-SERIES	-	-

**1 GROUND FLOOR PLUMBING PLAN**

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

**2 UNDERGROUND PLUMBING PLAN**

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









GENERAL NOTES

A. REFER TO SHEET P-001 FOR GENERAL NOTES THAT APPLY TO THIS SHEET.

SHEET KEYNOTES

1. GAS METER, REGULATOR, BY UTILITY COMPANY. PRESSURE DROP TO MOST REMOTE FIXTURE. TOTAL CONNECTED LOAD (TCL) SHALL NOT EXCEED TOTAL CONNECTED LOAD OF 3,000 CFH.

2. 3/4" DOMESTIC COLD WATER UP TO ROOF VALVE IN CEILING. PROVIDE ACCESSIBLE SHUT-OFF VALVE ON PIPING DOWN TO WALL HYDRANT.

3. HYDRANT (P-101) PROVIDE ACCESSIBLE SHUT-OFF VALVE ON PIPING DOWN TO WALL HYDRANT.

4. VALVE ON PIPING DOWN TO WALL HYDRANT. SET AT 0.2 GPM.

5. SET AT 0.2 GPM.

6. DOMESTIC HOT WATER RETURN BALANCING VALVE SET AT 0.2 GPM.

7. DOMESTIC HOT WATER RETURN BALANCING VALVE SET AT 0.2 GPM.

8. SET AT 0.2 GPM.

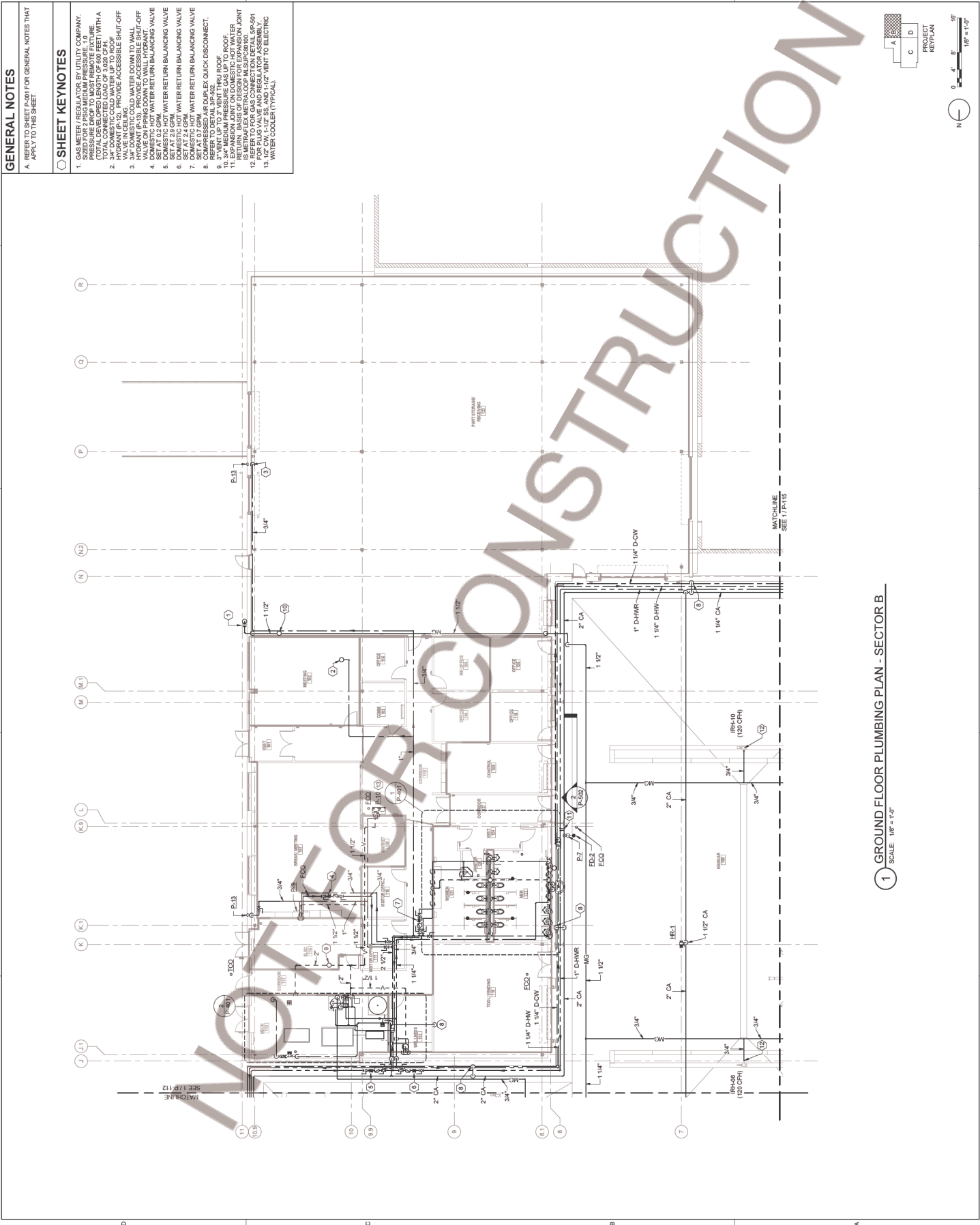
9. REFER TO DETAIL SP-402.

10. 3/4" MEDIUM PRESSURE GAS UP TO ROOF.

11. EXPANSION JOINT ON DOMESTIC HOT WATER PIPING. SET AT 0.2 GPM.

12. IS METAFLEX METAL LOOP AS SUP-200.

13. 1/2" CM, 1-1/2" SS, AND 1-1/2" VERT TO ELECTRIC WATER COOLER (TYPICAL).



1 GROUND FLOOR PLUMBING PLAN - SECTOR B  
SCALE: 1/8" = 1'-0"

5001 Breakdown Schedule  
Oklahoma City, OK 73112-7088  
405.842.2531 | bbs-a.com

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SEALED DOCUMENT

AAR

Will Rogers World Airport, Oklahoma City, OK

New Hangar

AAR Corporation

REVISION HISTORY

NO.	DESCRIPTION	DATE
1	ISSUED BY: JPB	
2	DRAWN BY: JPB	
3	REVIEWED BY: JPB	
4	PROJECT MANAGER: JPB	
5	PROJECT NUMBER: 11770003	
6	PROJECT NAME: 5001 Breakdown Schedule	
7	SHEET TITLE: GROUND FLOOR PLUMBING PLAN - SECTOR B	

100% ISSUE FOR PERMIT

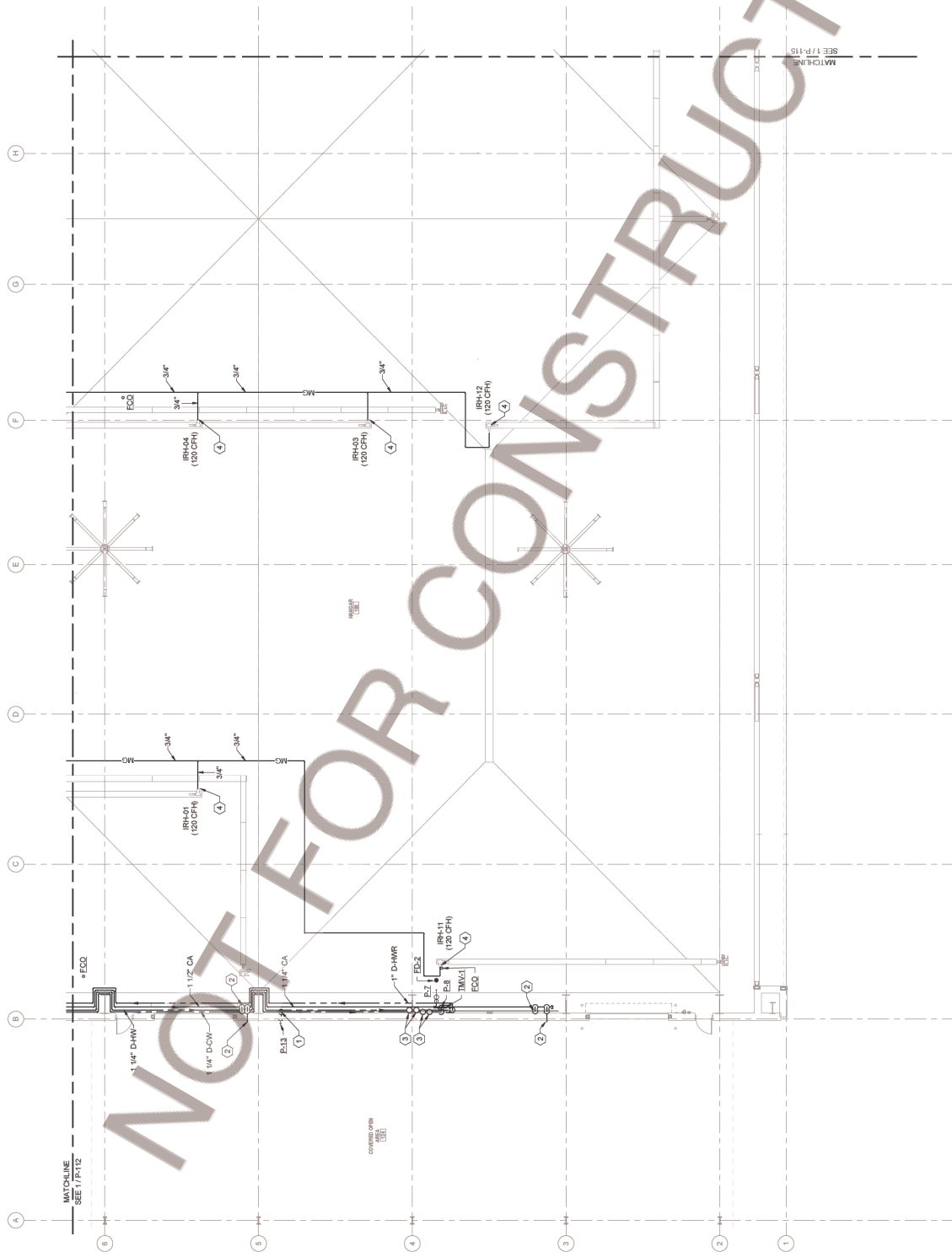
DATE: 11/7/2023

PROJECT NUMBER: 11770003

SHEET NUMBER: P-113

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1 GROUND FLOOR PLUMBING PLAN - SECTOR C  
SCALE: 1/8" = 1'-0"

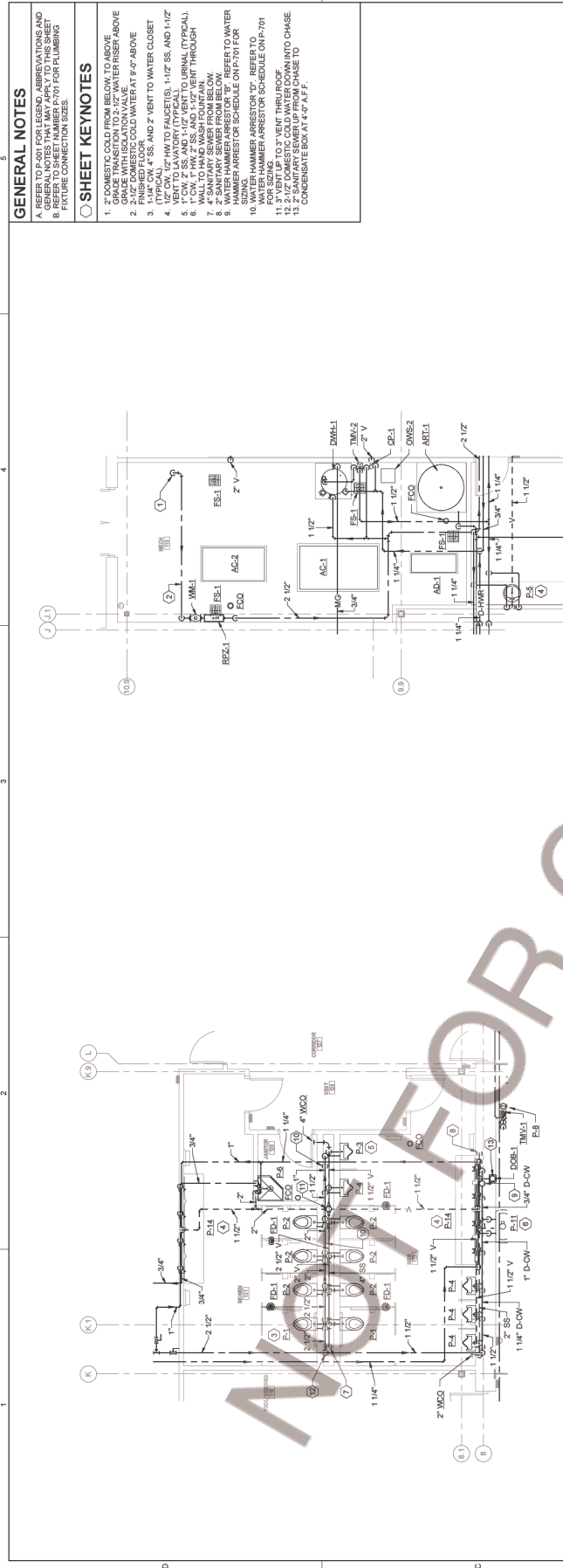












1 ENLARGED PARTIAL PLAN - RESTROOMS

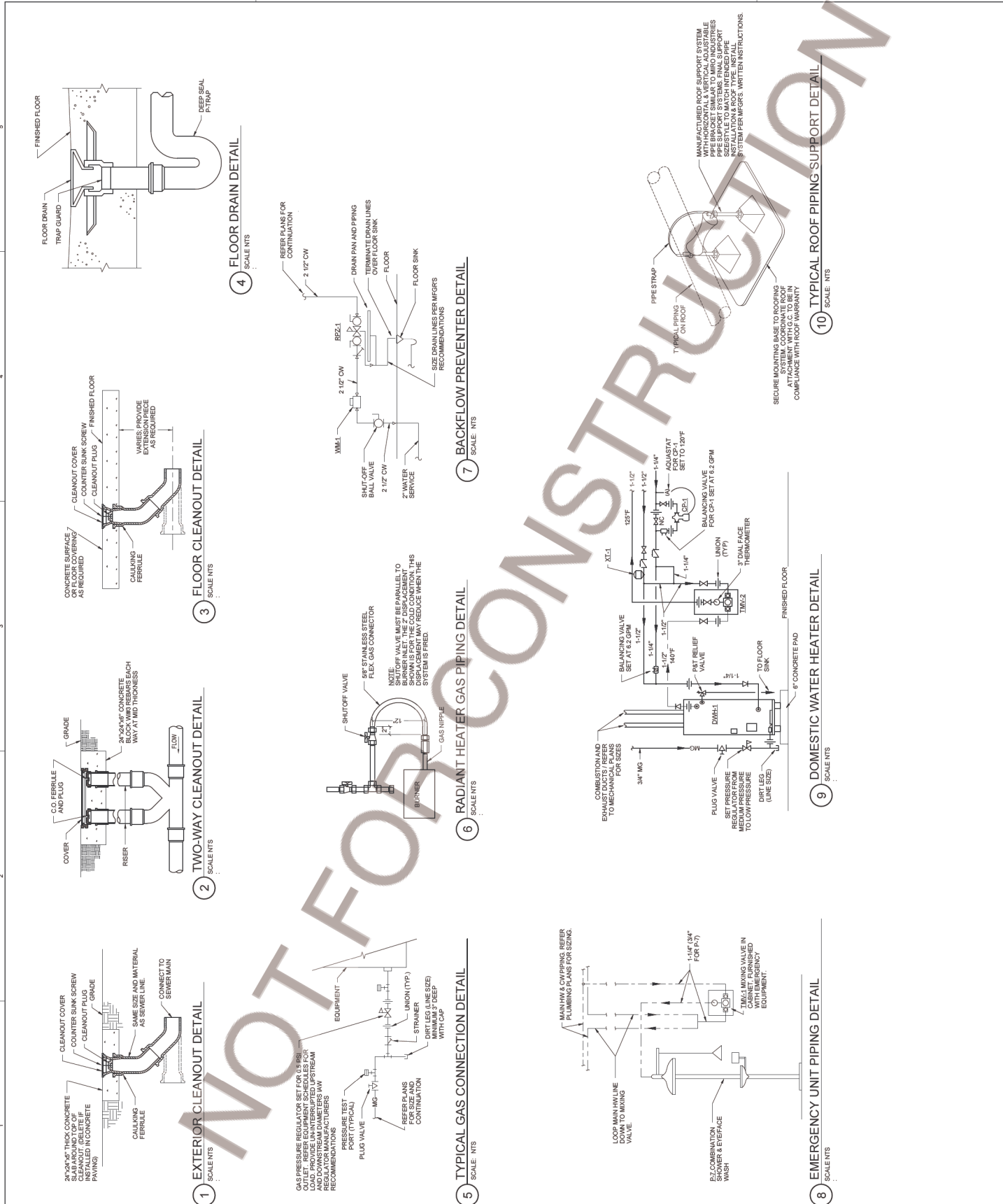
SCALE: 1/4" = 1'-0"

2 ENLARGED PARTIAL PLAN - MECHANICAL ROOM

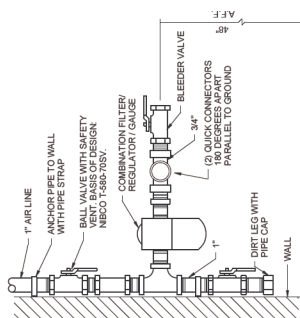
SCALE: 1/4" = 1'-0"

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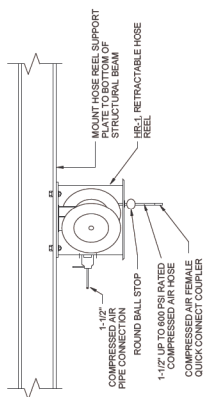




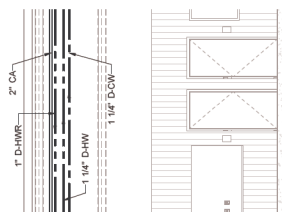


**BASIS OF DESIGN:**  
1. QUICK-CONNECT; BASIS OF DESIGN HANSEN COUPLING, SERIES 3RL.  
2. COMBINATION FILTER/REGULATOR/LUBRICATOR/GAUGE;  
BASIS OF DESIGN WILLKERSON CORPORATION, MODEL #C16/C17.

**COMPRESSED AIR OUTLET DETAIL**

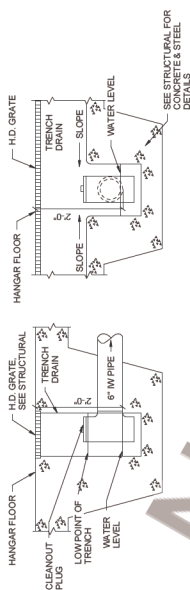


5 TYPICAL HANGAR BAY HOSE REEL DETAIL



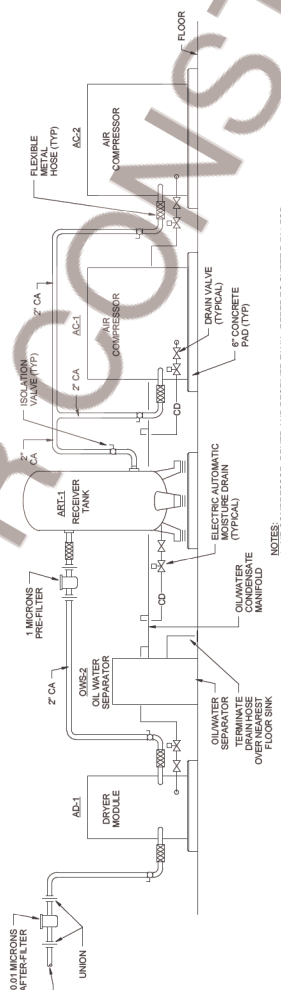
PIPE RACK PIPING LAYOUT

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



FRONT VIEW  
NTS

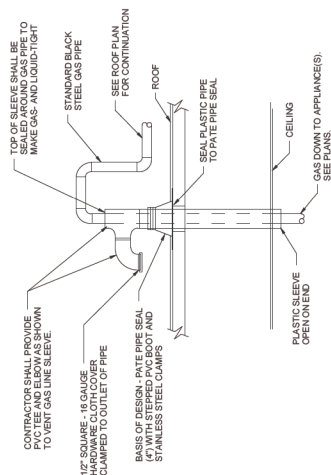
1 HANGAR TRENCH DRAIN DETAIL  
SCALE NTS



NOTES:  
1. AIR COMPRESSOR, DRYER AND RECEIVER TANK - REFER TO SHEET P-701 FOR SCHEDULES.

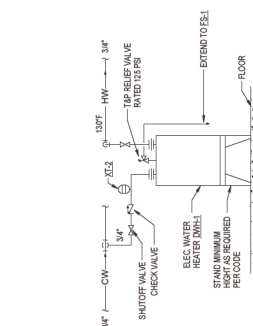
DUAL AIR COMPRESSOR DETAIL

SCALE: NTS

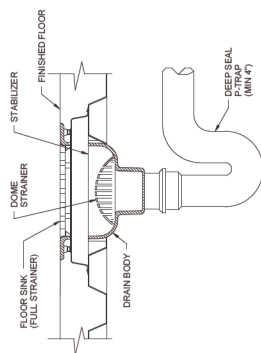


6 PIPE PENETRATION THRU ROOF DETAIL  
SCALE: NTS

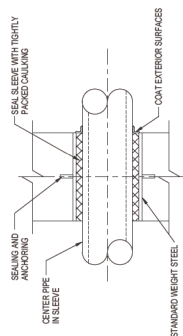




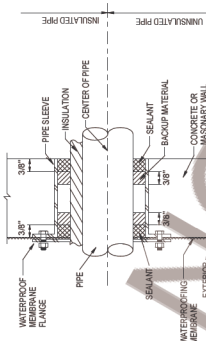
## WATER HEATER PIPING DIAGRAM



3 FLOOR SINK



## 2 TYPICAL EXTERIOR WALL PENETRATION



② PIPE PENETRATION THRU BELOW GRADE WALL





































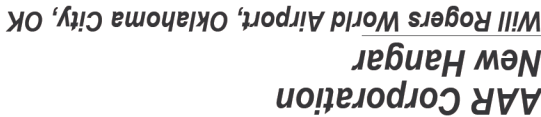










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ROOF TOP UNIT SCHEDULE																					
SUPPLY FAN DATA					COOLING DATA					HEATING DATA					ELECTRICAL		BASE OF DESIGN				
MARK	SERIES	SUPPLY CAPACITY (CFM)	OUTSIDE AIR (%)	STATIC PRESSURE (IN. WG)	SENSIBLE COOLING (BTU/H)	TOTAL COOLING (BTU/H)	ENTERING		LEAVING		CONDENSER OA ENTERING (DB/°F)	ENTERING (DB/°F)	LEAVING (DB/°F)	CAPACITY (TONS)	TYPE	V/F A/1/2 (400/31/60)	E/LA (13/20)				
							DB (°F)	WB (°F)	DB (°F)	WB (°F)											
RTU-01	BREAK ROOM	1250	313	1.05	42.9	54.3	54.3	54.3	53.0	106	55.2	55.2	54.3	48.6	4-INCH MERV 8	460/31/60	13	20	A/ALON	RO-005	1-8
RTU-02	OFFICE	1850	278	1.05	52.3	60.1	79.7	64.4	53.2	106	65.2	65.2	64.4	48.6	4-INCH MERV 8	460/31/60	13	20	A/ALON	RO-005	1-8
RTU-03	MEETING ROOM	1350	405	1.05	47.4	58.0	64.3	62.2	51.2	106	55.5	55.5	54.4	48.6	4-INCH MERV 8	460/31/60	13	20	A/ALON	RO-005	1-8
RTU-04	PARTS AND STORAGE	1350	405	1.05	47.4	58.0	64.3	62.2	51.2	106	55.5	55.5	54.4	48.6	4-INCH MERV 8	460/31/60	13	20	A/ALON	RO-005	1-8
RTU-05	PARTS AND STORAGE	1350	405	1.05	47.4	58.0	64.3	62.2	51.2	106	55.5	55.5	54.4	48.6	4-INCH MERV 8	460/31/60	13	20	A/ALON	RO-005	1-8
RTU-06	PARTS AND STORAGE	1350	405	1.05	47.4	58.0	64.3	62.2	51.2	106	55.5	55.5	54.4	48.6	4-INCH MERV 8	460/31/60	13	20	A/ALON	RO-005	1-8
RTU-07	TOOLAWENING	2150	450	1.05	59.3	62.4	55.4	55.1	62.7	62.3	106	62.0	62.7	48.6	4-INCH MERV 8	460/31/60	13	20	A/ALON	RO-005	1-8
RTU-08	PAINTBOOTH	5600	580	1.00	287.1	337.8	100.7	73.7	54.5	54.2	106	10.0	81.3	432.0	4-INCH MERV 13	460/31/60	65	90	A/ALON	RH-030	
1. PROVIDE WITH RUA REFERENCE IN COOLING SYSTEM.																					
2. CALCULATE FAN SYSTEM AIR LEAKAGE FILTER DISCONNECT PROTECTED OPENING. SCREEN OPENING NOT SMALLER THAN 1".																					
3. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.																					
4. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.																					
5. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.																					
6. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.																					
7. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.																					
8. EXTENDED REMOTE ACCESS.																					
9. VARIABLE CAPACITY COMPRESSOR.																					
10. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.																					
11. REPLACE FILTER AFTER CONSTRUCTION WITH 4-INCH MERV 13 FILTERS.																					

INFRARED HEATER SCHEDULE									
MARK	SERVICE	TYPE	AIR FLOW (CFM)	WIDTH (IN)	LENGTH (IN)	STATIC PRESS. (IN WG)	BASIS OF DESIGN		NOTES
RH-01	OFFICE AREA	RELIEF	5000	24	42	0.12	MANUFACTURER	MODEL	1.2,3
RH-02	PART STORAGE / RECEIVING	RELIEF	5000	24	42	0.12	GREENHECK	FGR	1.2,3
RH-03	MECH	RELIEF	6003	30	48	0.08	GREENHECK	FGR	2.3,4
RH-04	MECH	RELIEF	6003	30	48	0.08	GREENHECK	FGR	2.3,4
RH-05	MECH	RELIEF EXHAUST	2755	24	30	0.045	GREENHECK	FGR	2.3,4
RH-06	MECH	RELIEF	2755	24	30	0.045	GREENHECK	FGR	1.2,3

1. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.  
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11. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.

INFRARED HEATER SCHEDULE									
MARK	SERVICE	TYPE	AIR FLOW (CFM)	WIDTH (IN)	LENGTH (IN)	STATIC PRESS. (IN WG)	BASIS OF DESIGN		NOTES
RH-01	OFFICE AREA	RELIEF	5000	24	42	0.12	MANUFACTURER	MODEL	1.2,3
RH-02	PART STORAGE / RECEIVING	RELIEF	5000	24	42	0.12	GREENHECK	FGR	1.2,3
RH-03	MECH	RELIEF	6003	30	48	0.08	GREENHECK	FGR	2.3,4
RH-04	MECH	RELIEF	6003	30	48	0.08	GREENHECK	FGR	2.3,4
RH-05	MECH	RELIEF EXHAUST	2755	24	30	0.045	GREENHECK	FGR	2.3,4
RH-06	MECH	RELIEF	2755	24	30	0.045	GREENHECK	FGR	1.2,3

1. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.  
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11. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.

MINI SPLIT - INDOOR SCHEDULE									
MARK	SERIES	DESCRIPTION	CFM (L/MH)	COOLING (MBH)		HEATING (MBH)	MAKE	MODEL	NOTES
				TOTAL	SENSIBLE				
AC-01	MECH	1147	1147	12.8	9.39	10.66	LG	L50120HSV5	ALL
AC-02	ELEC	1147	1147	24	13.7	10.66	LG	L50120HSV5	ALL
AC-03	COIN	1147	1147	312	24	13.7	LG	L50120HSV3	ALL

1. COOLING CAPACITIES BASED ON OUTDOOR TEMP AT 65°F AND INDOOR TEMP 70°F.  
2. COOLING CAPACITIES BASED ON INDOOR TEMP 70°F.  
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EXHAUST FAN SCHEDULE										AIR TERMINAL SCHEDULE										
MARK	SERVICE	EF FAN TYPE	CFM	EXTERNAL STATIC PRESS.		HP	ELECTRICAL DATA				BASIS OF DESIGN			NECK SIZE			BASIS OF DESIGN			NOTES
				IN. WG	IN. WG		MOYTOR TYPE	V/1/PH	W/1/PH	NCA	MOCP	W/1/PH	MANUFACTURER	MODEL	W/1/PH	IN. WG	IN. WG	MANUFACTURER	MODEL	
EF-01	RESTROOMS	DOWNBLAST	1,000	0.40	1/4	DIRECT	115/1/60	5.0	15	44	GREENRICK	A-130-V	55	10 x 10	8 x 8	<30	TITUS	350FL	1.2	
EF-02	HANGAR	WALL MOUNT	46,400	0.20	10	DIRECT	460/3/480	1.0	40	427	GREENRICK	GR-400-V	52	18 x 18	18 x 18	<30	TITUS	350FL	1.2	
EF-03	HANGAR	WALL MOUNT	46,400	0.20	10	DIRECT	460/3/480	1.0	40	427	GREENRICK	GR-400-V	52	18 x 18	18 x 18	<30	TITUS	350FL	1.2	
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415. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.																				
416. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.																				
417. PROVIDE WITH RUA																				

HVLS FAN SCHEDULE									
MARK	BLADE DA	DRIVE TYPE	HP	VPH/Hz	MCP	BASIS OF DESIGN		NOTES	
CF-01 THRU CF-04	20	VARIABLE SPEED	250	460/7.60	10	POWER/0.33.0		1/2	
1. PROVIDE EXACT FAN WITH CHORD/DA VARIABLE SPEED DRIVE AND TWO SPACE TEMPORARY ENCLOSE ONE FOR THE FAN LEVEL AND ONE FOR THE FAN LEVEL ABOVE.									
2. PROVIDE ALL REQUIRED MOUNTING INFORMATION.									

HVLS FAN SCHEDULE										
MARK	SERVICE	THROAT SIZE			STATIC PRESS.			BASIS OF DESIGN		
		MARK	TYPE	DESCRIPTION	CFM (L/MH)	IN. WG	IN. WG	MANUFACTURER	MODEL	NOTES
HF-01	EXHAUST TRANSFER	10.1 x 10	10.1 x 10	10.1 x 10	10.1 x 10	10.1 x 10	10.1 x 10	10.1 x 10	10.1 x 10	1.2
HF-02	EXHAUST TRANSFER	10.1 x 10	10.1 x 10	10.1 x 10	10.1 x 10	10.1 x 10	10.1 x 10	10.1 x 10	10.1 x 10	1.2

1. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.  
2. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.  
3. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.  
4. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.  
5. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.  
6. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.  
7. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.  
8. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.  
9. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.  
10. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.  
11. PROVIDE WITH RUA REFERENCE IN HEATING SYSTEM.











## GENERAL NOTES

[illegible]

## NOTES:

**1 MOUNTING HEIGHT DETAIL**  
SCALE: NTS

**A. VERIFY EXACT MOUNTING HEIGHTS FOR EACH DEVICE. REQUIREMENTS DEVICES MAY OR MAY NOT APPLY TO THIS PROJECT. VERIFY WITH MANUFACTURER.**

**B. ALL DEVICES IN NON-HAZARDOUS AREAS SHALL BE MOUNTING HEIGHTS INDICATED U.N.O.**

**C. ALL DEVICES IN HAZARDOUS AREAS SHALL BE MOUNTED ABOVE 18" MOUNT HEIGHT OF ABOVE FINISHED FLOOR U.N.O.**

FINISHED FLOOR

45" WALL MOUNTED TELEPHONE

45" CARD READER SWITCH

45" KEY PAD

42" COUNTER AT RECEPTACLE

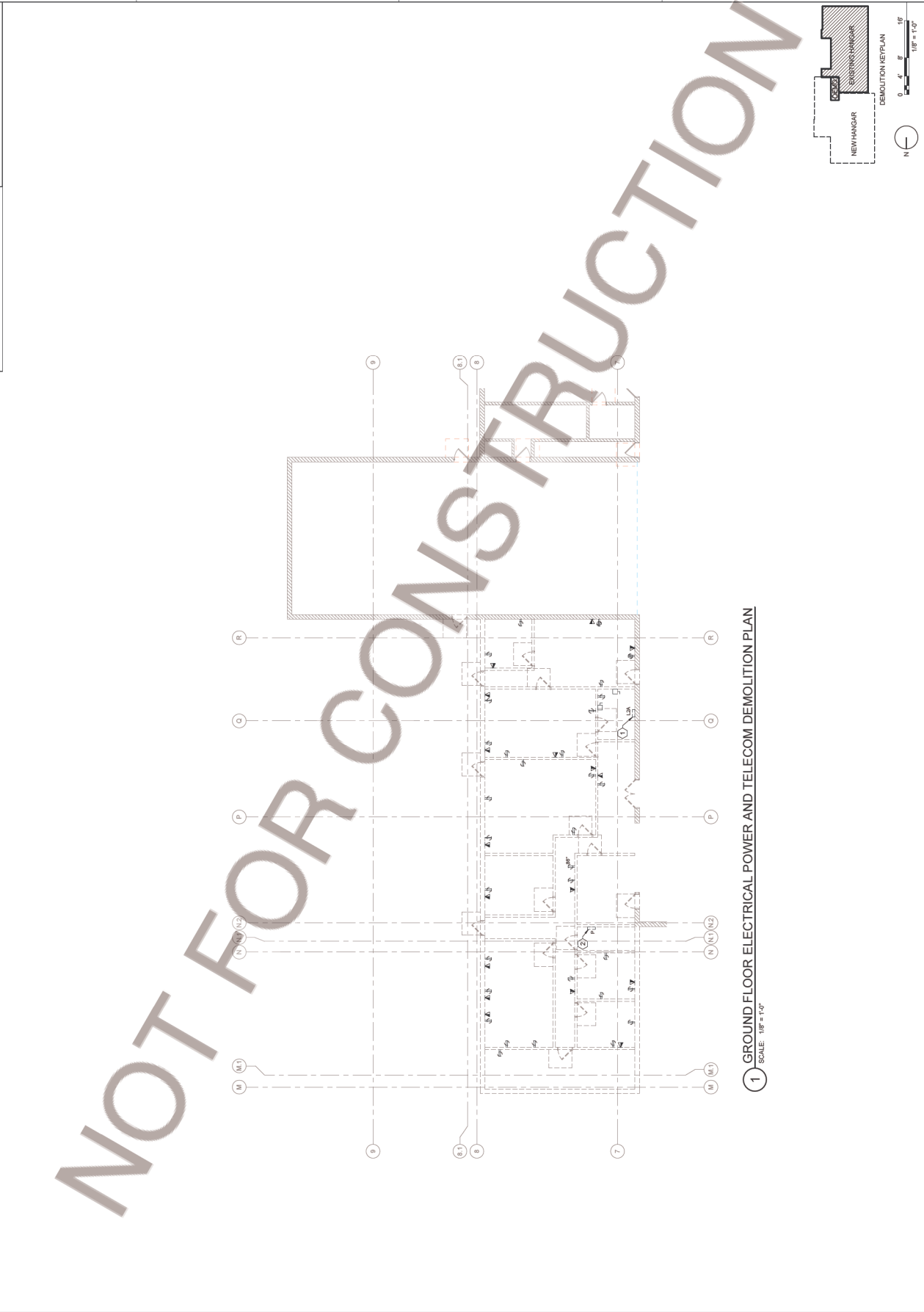
42" ELEVATOR CALL BUTTON

38" TELEPHONE RECEPTACLE

42" DATA

45" TELEPHONE





1 GROUND FLOOR ELECTRICAL POWER AND TELECOM DEMOLITION PLAN  
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"



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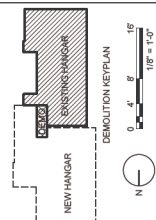
DATE	DESCRIPTION
PROJECT INFORMATION:	
DESIGNED BY:	JSR
DRAWN BY:	MK
REVIEWED BY:	JTL
PROJECT MANAGER:	JE

PROJECT NUMBER:  
FSB2023-086-00

SHEET TITLE:  
ELECTRICAL LIGHTING  
DEMOLITION

ISSUE DATE: 11/7/2023

ED102



1 GROUND FLOOR ELECTRICAL LIGHTING DEMOLITION PLAN  
SCALE: 1/8" = 1'-0"



1. 200A ENCLOSED BREAKER TO SERVE HANGAR ENCLOSED BREAKER SHALL BE SERVICE ENTRANCE RATED. REFER TO EP001 AND EP101.
2. PROPOSED LOCATION FOR NEW 47434\* TELECOMMUNICATION HANGAR.
3. (4) - 4" UNDERGROUND OSP CONDUITS FOR NEW SERVICE TO TELECOMMUNICATION HANGAR.
4. EXISTING TELECOMMUNICATION HANGAR APPROXIMATE LOCATION.
5. NO PART OF THE DUCT BANK SHALL BE UNDER HANGAR 100 SPACE.
6. EXISTING 100 SPACE.
7. HANGAR 100 LIGHT SHALL BE RELOCATED TO EXISTING LOCATION TO COORDINATE WITH LOCAL CONTRACTOR TO COORDINATE NEW AND EXISTING SITE LIGHTING CONTROLS.
8. NEW 100 LIGHT.
9. PROVIDE TWO (2) #12 AND ONE (1) #12 EG IN 3/4" C.



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[illegible]

ES101









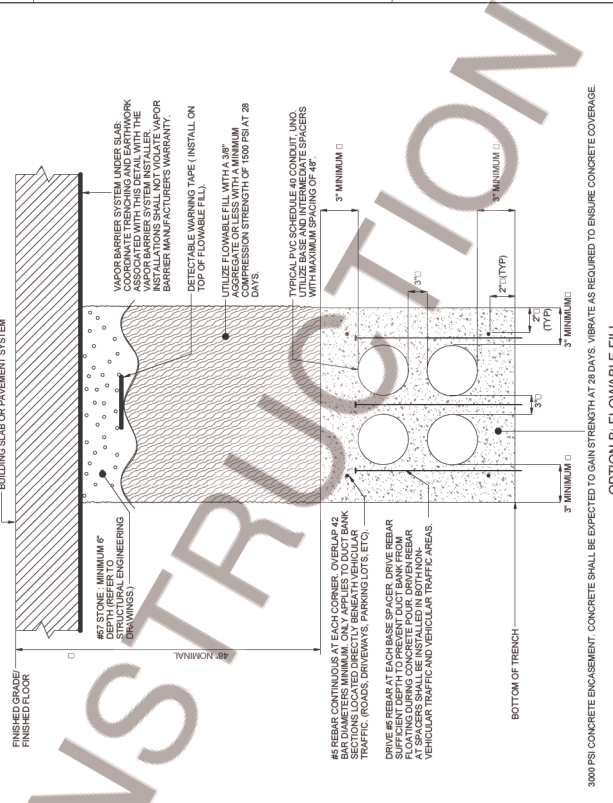
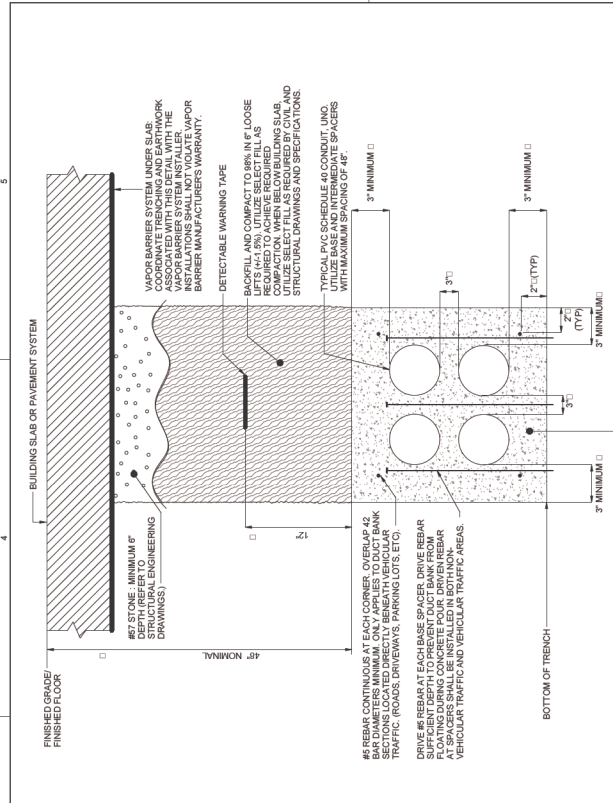


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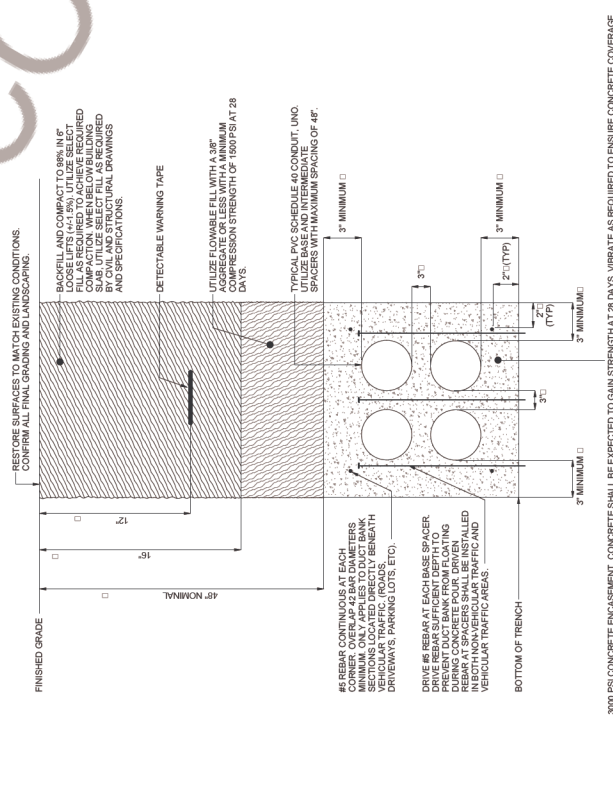
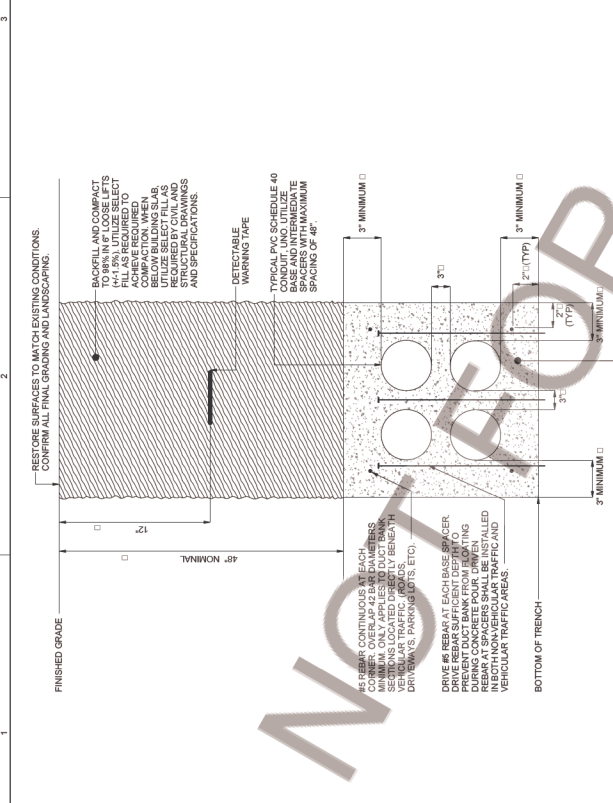
DESIGNED BY:	LLL
DRAWN BY:	LLL
REVIEWED BY:	RH
PROJECT MANAGER:	JE
PROJECT NUMBER:	

SHEET TITLE: SB2023-086-00

TELECOMMUNICATIONS SITE DETAILS	ISSUE DATE: 1/17/2023	SHEET NUMBER:
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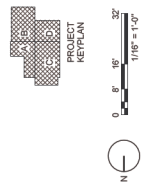
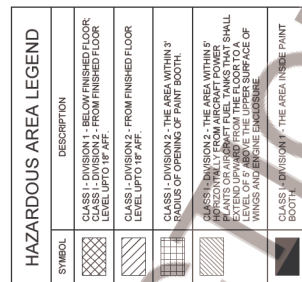
ES503

2. TYPICAL CONCRETE ENCASED 2X2 DUCTBANK - UNDER NEW PAVING OR BUILDING SLAB  
SCALE: NTS



1 TYPICAL CONCRETE ENCASED 2X2 DUCTBANK - NON IMPROVED SURFACE AREA  
SCALE: NTS





1 HAZARDOUS AREA CLASSIFICATION PLAN  
SCALE: 1/16" = 1'-0"



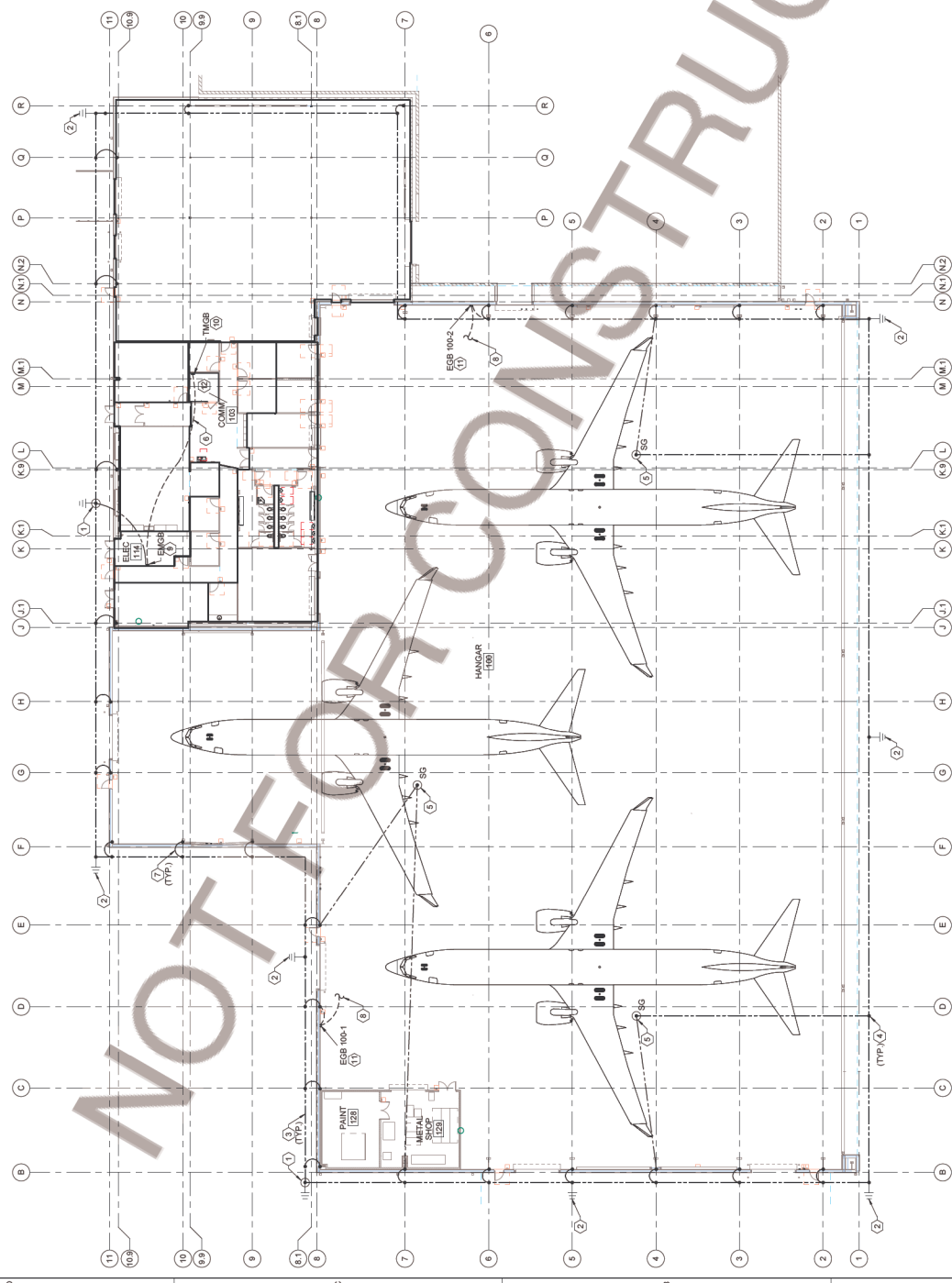
- A. PROVIDE MEANS OF TESTING THE GROUNDING SYSTEM THROUGH THE USE OF REMOVABLE CONNECTIONS AND TEST WELLS.
- B. REFER TO SHEET EG501 AND EG502 FOR GROUNDING DETAILS.
- C. ALL BELOW GRADE CONNECTIONS SHALL BE VIA EXOTHERMIC WELD.

SHEET KEYNOTES

- [illegible]

## ELECTRICAL GROUNDING PLAN

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

[illegible]

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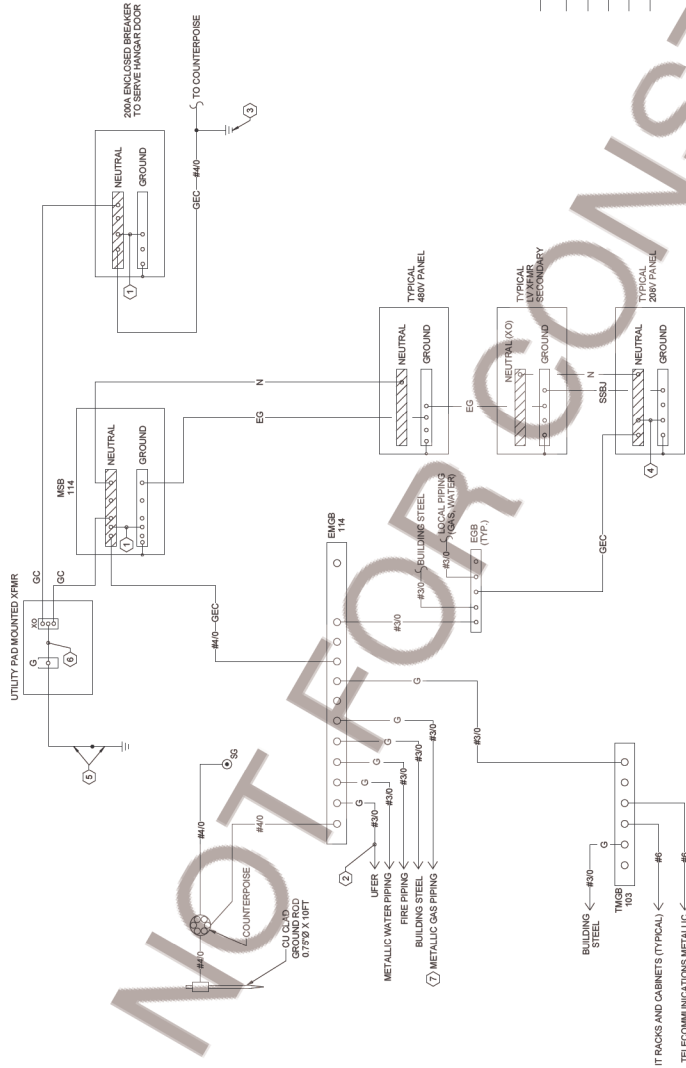
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DESIGNED BY:	JSR
DRAWN BY:	MKK
REVIEWED BY:	JTL
PROJECT MANAGER:	JE
PROJECT NUMBER:	
ESB2023.086.00	

PROJECT TITLE:	PROJECT NUMBER:
SHEET TITLE:	ISSUE DATE:
GROUNDING SYSTEM DIAGRAM	11/17/2023
	SHEET NUMBER:

EG501

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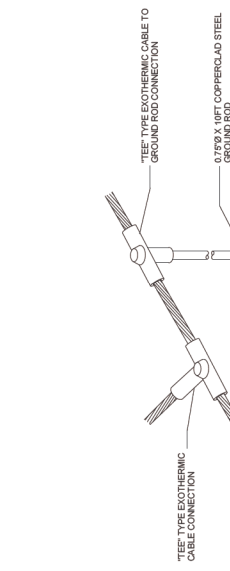


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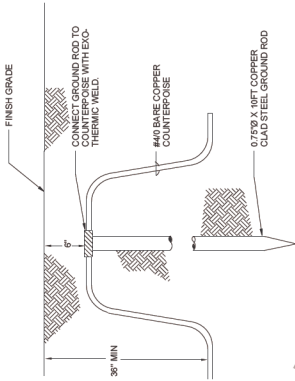
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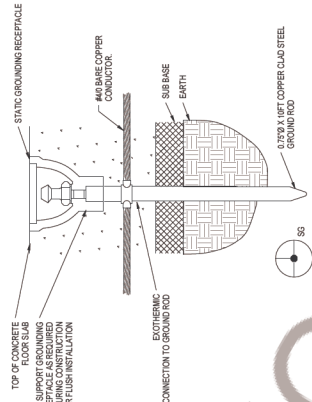




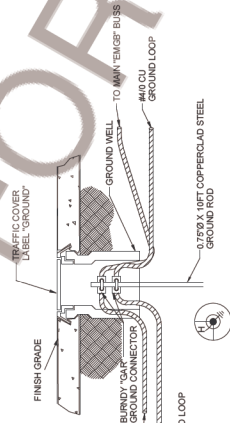
2 BELOW FLOOR GRADE TEE SPLICE DETAIL



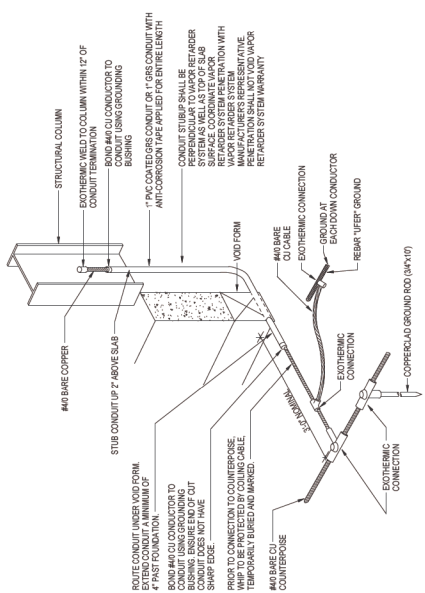
4 GROUND ROD DETAIL  
SCALE: NTS



1 AIRCRAFT STATIC GROUND RECEPTACLE DETAIL  
SCALE: NTS



3 GROUND TEST WELL DETAIL  
SCALE: NTS



5 AT GRADE COLUMN BOND DETAIL





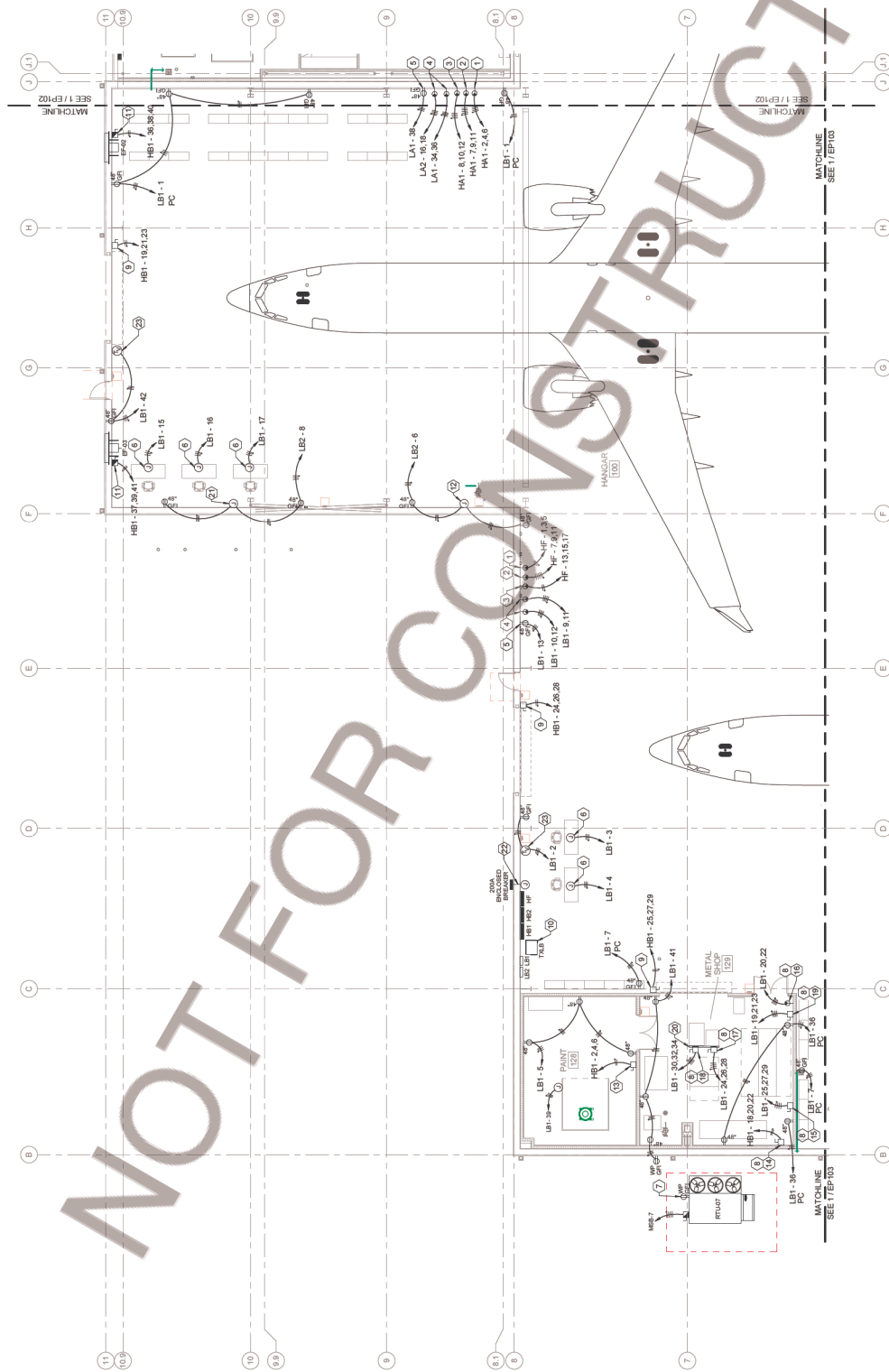


## GENERAL NOTES

- A. ALL RECEPTACLES IN THE HANGAR BAY SHALL BE MOUNTED ABOVE FINISHED FLOOR UNO.
- B. UNO SHALL PROVIDE TRAIN RELIEFS ON BOTH ENDS OF ALL CORD DISBURS.
- C. COORDINATE WITH OWNER FOR FINAL CONFIGURATION OF RECEPTACLE TYPES AT POWER STATIONS. REFER TO KEYNOTES 1, 2, 3, 4, 5. NEUTRAL MAY BE REQUIRED DEPENDING ON EXACT CONFIGURATION.
- D. PROVIDE FLEXIBLE, SEALTITE CONNECTION FROM UNO TO CABLE TO CORD (120) NEUTRAL. MAKE SURE THE CORD IS NOT EXPOSED TO EXACT CONFIGURATION.

## SHEET KEYNOTES

- [illegible]

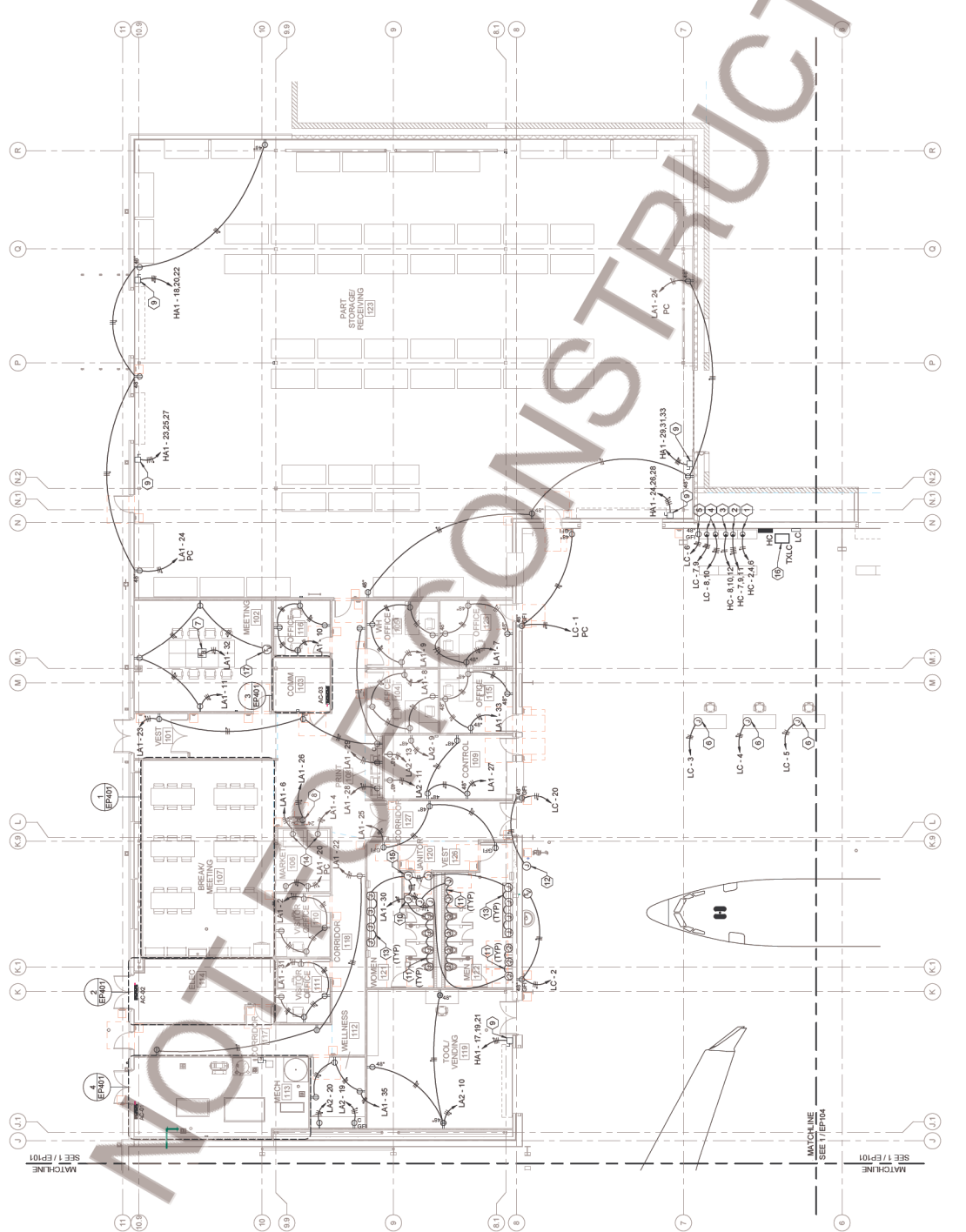


## GROUND FLOOR POWER PLAN - SECTOR A

SCALE: 1/8" = 1'-0"







1 GROUND FLOOR POWER PLAN - SECTOR B  
SCALE: 1/8" = 1'-0"

[illegible]







GENERAL NOTES

A. REFER TO SHEET E601 AND EP101 FOR APPLICABLE COORDINATE AND ELEVATION DATA.

B. COORDINATE WITH OWNER FOR FINAL CONFIGURATION OF RECEPTACLE TYPES. REFER TO REF NOTES 1, 2, 4, 5.

SHEET KEYNOTES

1. 150A, 600V, PIN AND SLEEVE RECEPTACLE, BOD.

2. 100A, 600V, PIN AND SLEEVE RECEPTACLE, BOD.

3. 50A, 600V, PIN AND SLEEVE RECEPTACLE, BOD.

4. 150A, 600V, PIN AND SLEEVE RECEPTACLE, BOD.

5. 100A, 600V, PIN AND SLEEVE RECEPTACLE, BOD.

6. 50A, 600V, PIN AND SLEEVE RECEPTACLE, BOD.

7. 150A, 600V, PIN AND SLEEVE RECEPTACLE, BOD.

8. 100A, 600V, PIN AND SLEEVE RECEPTACLE, BOD.

9. 50A, 600V, PIN AND SLEEVE RECEPTACLE, BOD.

10. 150A, 600V, PIN AND SLEEVE RECEPTACLE, BOD.

1 GROUND FLOOR POWER PLAN - SECTOR D

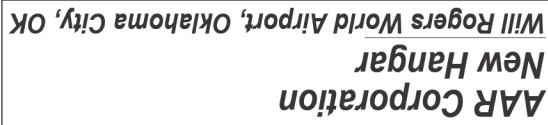
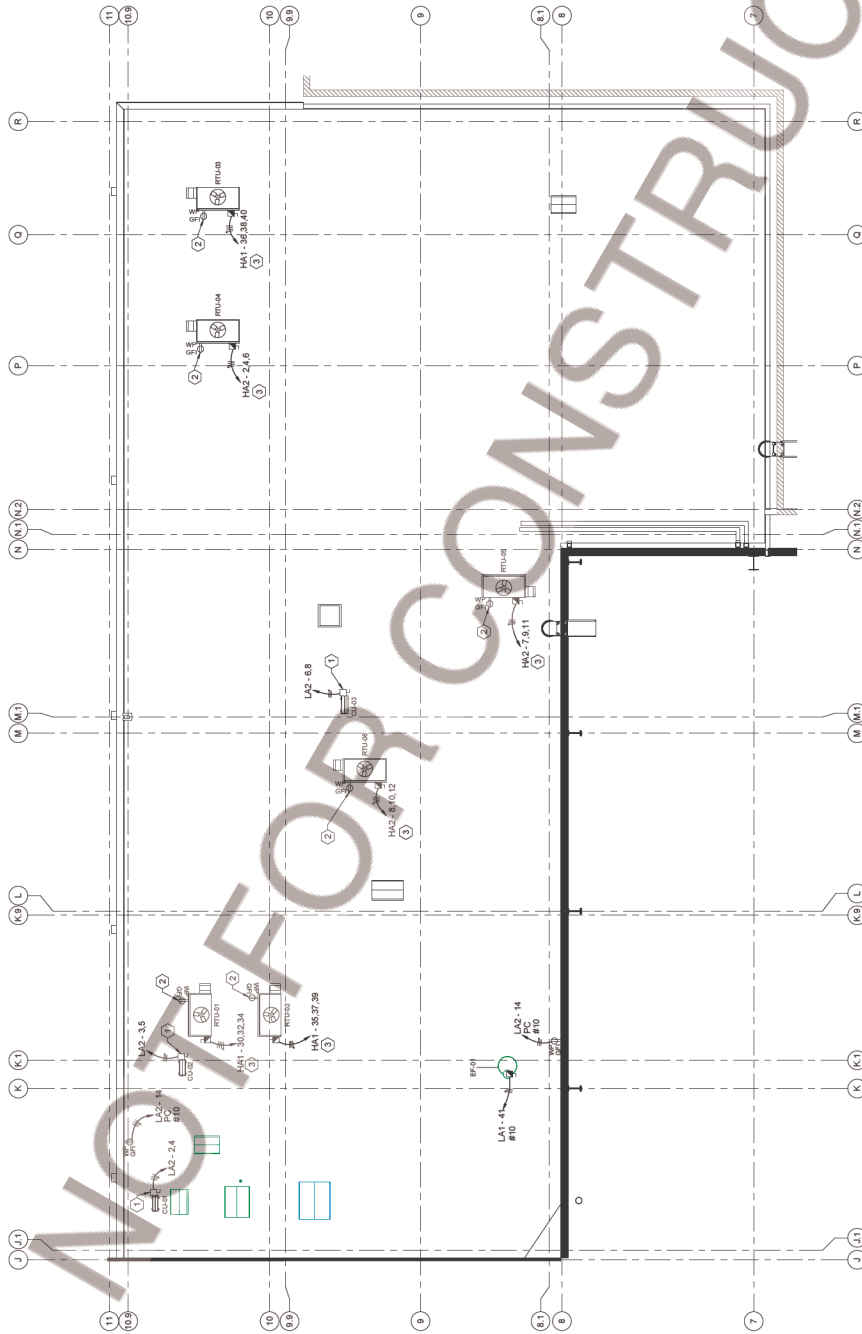
SCALE: 1/8" = 1'-0"



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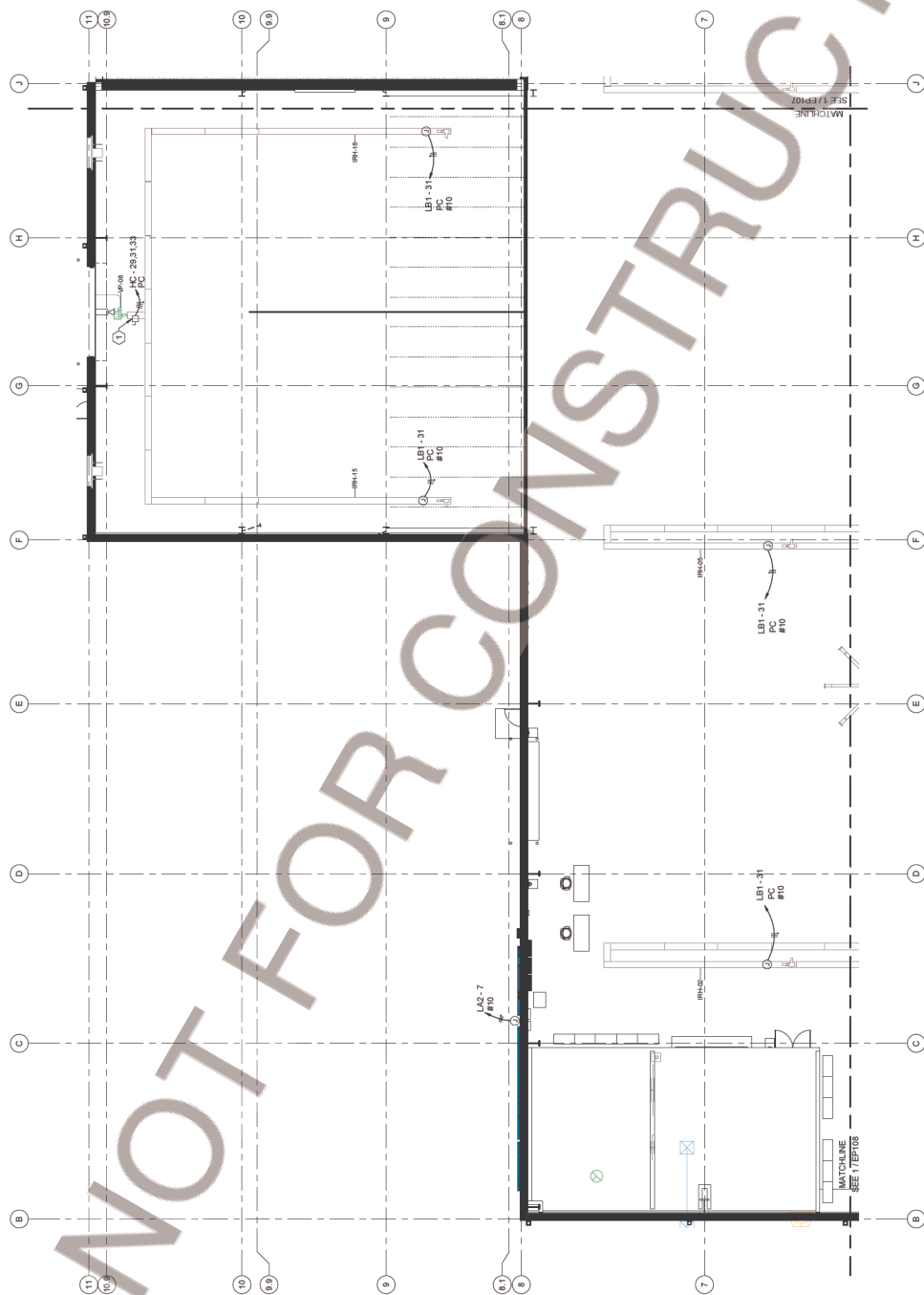
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1 ROOF POWER PLAN  
SCALE: 1/8" = 1'-0"







1 HIGH BAY POWER PLAN - SECTOR A  
SCALE: 1/8" = 1'-0"







1. REFER TO MECHANICAL SHEETS FOR FAN CONTROLLER LOCATION. PROVIDE THREE (3) #12 AND ONE (1) #12 EG IN 34".
2. EQUIP DOOR WITH 1/2" THICK ALUM. COORDINATE WITH MECHANICAL SHEETS FOR FAN CONTROLLER LOCATION.
3. 800V, 3-POLE, 3-POLE, NEMA 1, NONFUSIBLE DISCONNECT FOR HANGAR DOOR MOTOR COORDINATE FAN TERMINATION, LOCATION, AND PROVIDER PRIOR TO INSTALLATION.
4. 800V, 3-POLE, 3-POLE, NEMA 1, NONFUSIBLE DISCONNECT FOR MILLION MOTOR COORDINATE FAN TERMINATION, LOCATION, AND PROVIDER PRIOR TO INSTALLATION.
5. 800V, 3-POLE, 3-POLE, NEMA 1, NONFUSIBLE DISCONNECT FOR MILLION MOTOR COORDINATE FAN TERMINATION, LOCATION, AND PROVIDER PRIOR TO INSTALLATION.

[illegible]

DESIGNED BY:	JSR
DRAWN BY:	MK
REVIEWED BY:	JTL
PROJECT MANAGER:	JE

**HIGH BAY POWER PLAN -  
SECTOR C**

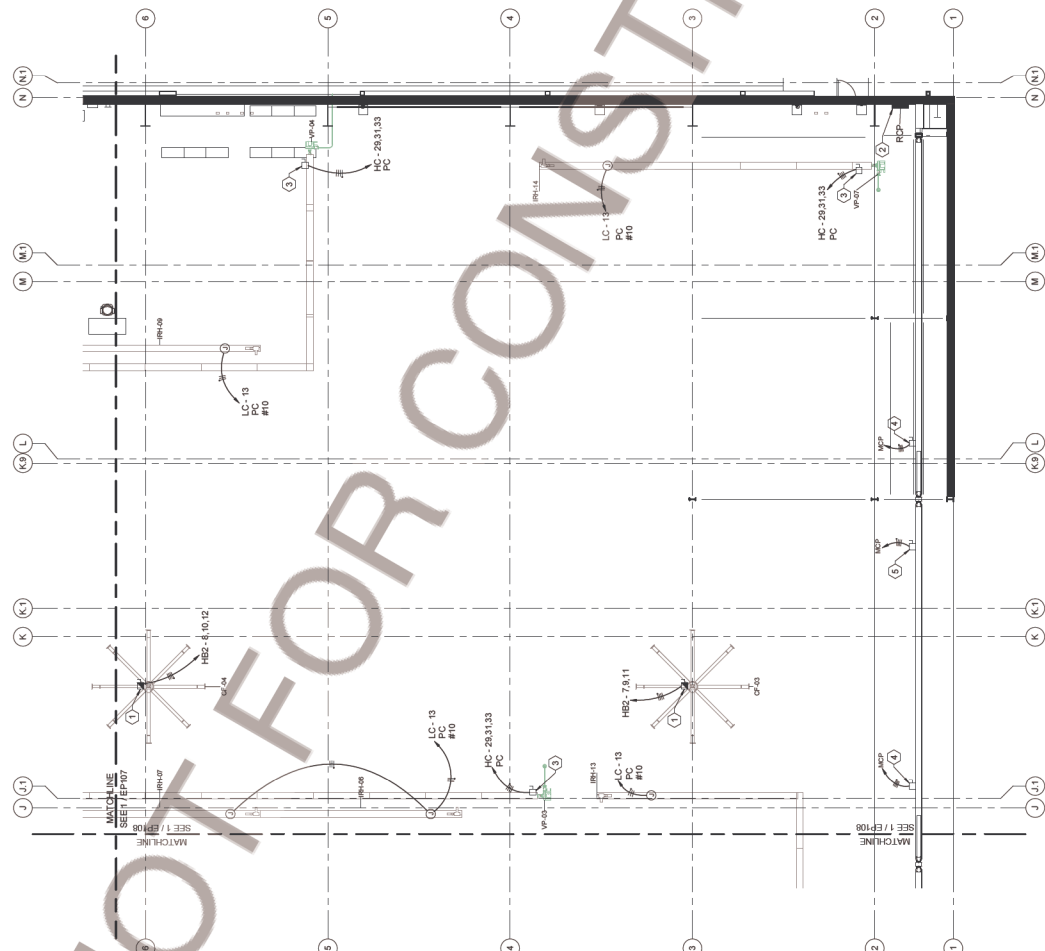
ISSUE DATE: 11/7/2023

EP108

# 1 HIGH BAY POWER PLAN - SECTOR C

SCALE: 1/8" = 1'-0"





1 HIGH BAY POWER PLAN - SECTOR D  
SCALE: 1/8" = 1'-0"

[illegible]







**GENERAL NOTES**

A. SWITCHBOARD AND ALL PANELBOARDS SHALL BE CONDUCTED TO GROUND BY THE MANUFACTURER.

B. ALL CONDUCTORS TO BE COPPER CONDUCTORS UNLESS NOTED OTHERWISE.

**○ SHEET KEYNOTES**

1. FIVE (5) SETS OF FOUR (4) #600 CU IN 4" C AND ONE (1) #1/2" C SPARE.

2. FIVE (5) SETS OF FOUR (4) #600 CU IN 4" C AND ONE (1) #1/2" C SPARE.

3. FOUR (4) #600 CU IN 2 1/2" C.

4. FIVE (5) SETS OF FOUR (4) #600 CU IN 4" C AND ONE (1) #1/2" C SPARE.

5. PROVIDE MAIN BONDING JUMPER BETWEEN 250-102(C) (1) EQUIPMENT SHALL BE SERVICE PROVIDED AND INSTALLED BY THE UTILITY.

6. PROVIDE MAIN BONDING JUMPER BETWEEN 250-102(C) (1) EQUIPMENT SHALL BE SERVICE PROVIDED AND INSTALLED BY THE UTILITY.

7. UTILITY METER CABINET AND BASE PROVIDED BY UTILITY. COORDINATE WITH UTILITY.

8. PROVIDE FACTORY INSTALLED GENERATOR.

9. FOUR (4) #600 CU AND ONE (1) #6 EG IN 2 1/2" C.

10. DISCONNECT SWITCH: IF DOOR CONTROLLER HAS INTEGRAL DISCONNECTING MEANS, DO NOT PROVIDE SEPARATE DISCONNECT SWITCH.

11. THREE (3) #6 AND ONE (1) #6 EG IN 1 1/2" C.

12. ROUTE FEEDERS OVERHEAD EG IN 3/4" C.

13. THREE (3) #12 AND ONE (1) #12 EG IN 3/4" C.

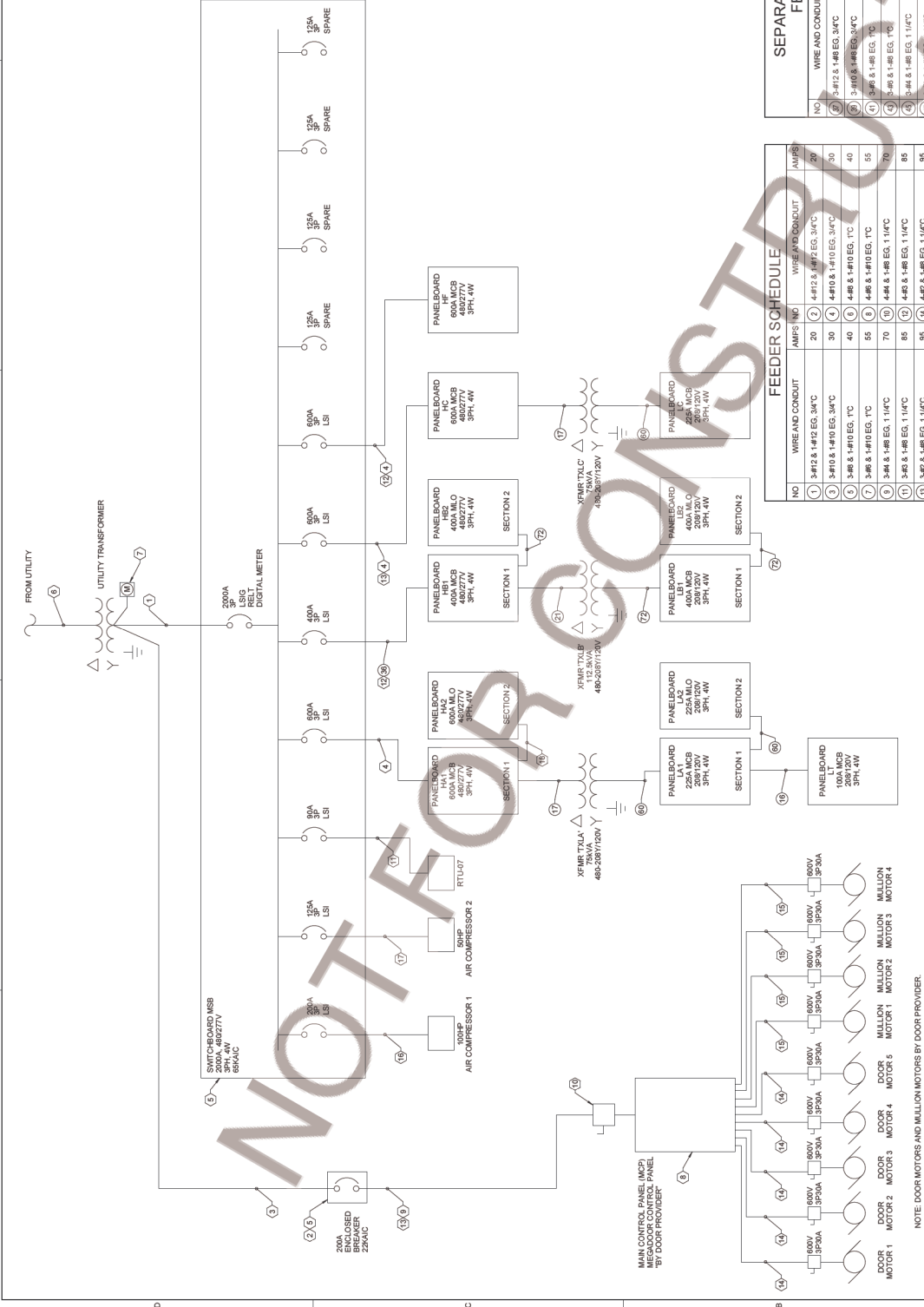
14. THREE (3) #6 AND ONE (1) #6 EG IN 1 1/2" C.

15. THREE (3) #6 AND ONE (1) #6 EG IN 1 1/2" C.

16. THREE (3) #6 AND ONE (1) #6 EG IN 1 1/2" C.

17. THREE (3) #6 AND ONE (1) #6 EG IN 1 1/2" C.

18. TWO (2) SETS OF FOUR (4) #600 CU AND ONE (1) #20 EG IN 3" C.



**1 ELECTRICAL POWER ONE-LINE DIAGRAM**  
SCALE: NTS

**SEPARATELY DERIVED SYSTEM FEEDER SCHEDULE**

NO	WIRE AND CONDUIT	AMPS	NO	WIRE AND CONDUIT	AMPS
1	3-#12 & 1-#2 EG, 3/4" C	20	31	4-#12 & 1-#2 EG, 3/4" C	200
2	4-#12 & 1-#2 EG, 3/4" C	30	32	4-#12 & 1-#2 EG, 3/4" C	200
3	3-#10 & 1-#10 EG, 3/4" C	40	33	4-#12 & 1-#2 EG, 3/4" C	200
4	4-#12 & 1-#2 EG, 3/4" C	40	34	4-#12 & 1-#2 EG, 3/4" C	200
5	4-#12 & 1-#2 EG, 3/4" C	40	35	4-#12 & 1-#2 EG, 3/4" C	200
6	4-#12 & 1-#2 EG, 3/4" C	40	36	4-#12 & 1-#2 EG, 3/4" C	200
7	4-#12 & 1-#2 EG, 3/4" C	40	37	4-#12 & 1-#2 EG, 3/4" C	200
8	4-#12 & 1-#2 EG, 3/4" C	40	38	4-#12 & 1-#2 EG, 3/4" C	200
9	4-#12 & 1-#2 EG, 3/4" C	40	39	4-#12 & 1-#2 EG, 3/4" C	200
10	4-#12 & 1-#2 EG, 3/4" C	40	40	4-#12 & 1-#2 EG, 3/4" C	200
11	4-#12 & 1-#2 EG, 3/4" C	40	41	4-#12 & 1-#2 EG, 3/4" C	200
12	4-#12 & 1-#2 EG, 3/4" C	40	42	4-#12 & 1-#2 EG, 3/4" C	200
13	4-#12 & 1-#2 EG, 3/4" C	40	43	4-#12 & 1-#2 EG, 3/4" C	200
14	4-#12 & 1-#2 EG, 3/4" C	40	44	4-#12 & 1-#2 EG, 3/4" C	200
15	4-#12 & 1-#2 EG, 3/4" C	40	45	4-#12 & 1-#2 EG, 3/4" C	200
16	4-#12 & 1-#2 EG, 3/4" C	40	46	4-#12 & 1-#2 EG, 3/4" C	200
17	4-#12 & 1-#2 EG, 3/4" C	40	47	4-#12 & 1-#2 EG, 3/4" C	200
18	4-#12 & 1-#2 EG, 3/4" C	40	48	4-#12 & 1-#2 EG, 3/4" C	200
19	4-#12 & 1-#2 EG, 3/4" C	40	49	4-#12 & 1-#2 EG, 3/4" C	200
20	4-#12 & 1-#2 EG, 3/4" C	40	50	4-#12 & 1-#2 EG, 3/4" C	200
21	4-#12 & 1-#2 EG, 3/4" C	40	51	4-#12 & 1-#2 EG, 3/4" C	200
22	4-#12 & 1-#2 EG, 3/4" C	40	52	4-#12 & 1-#2 EG, 3/4" C	200
23	4-#12 & 1-#2 EG, 3/4" C	40	53	4-#12 & 1-#2 EG, 3/4" C	200
24	4-#12 & 1-#2 EG, 3/4" C	40	54	4-#12 & 1-#2 EG, 3/4" C	200
25	4-#12 & 1-#2 EG, 3/4" C	40	55	4-#12 & 1-#2 EG, 3/4" C	200
26	4-#12 & 1-#2 EG, 3/4" C	40	56	4-#12 & 1-#2 EG, 3/4" C	200
27	4-#12 & 1-#2 EG, 3/4" C	40	57	4-#12 & 1-#2 EG, 3/4" C	200
28	4-#12 & 1-#2 EG, 3/4" C	40	58	4-#12 & 1-#2 EG, 3/4" C	200
29	4-#12 & 1-#2 EG, 3/4" C	40	59	4-#12 & 1-#2 EG, 3/4" C	200
30	4-#12 & 1-#2 EG, 3/4" C	40	60	4-#12 & 1-#2 EG, 3/4" C	200
31	4-#12 & 1-#2 EG, 3/4" C	40	61	4-#12 & 1-#2 EG, 3/4" C	200
32	4-#12 & 1-#2 EG, 3/4" C	40	62	4-#12 & 1-#2 EG, 3/4" C	200
33	4-#12 & 1-#2 EG, 3/4" C	40	63	4-#12 & 1-#2 EG, 3/4" C	200
34	4-#12 & 1-#2 EG, 3/4" C	40	64	4-#12 & 1-#2 EG, 3/4" C	200
35	4-#12 & 1-#2 EG, 3/4" C	40	65	4-#12 & 1-#2 EG, 3/4" C	200
36	4-#12 & 1-#2 EG, 3/4" C	40	66	4-#12 & 1-#2 EG, 3/4" C	200
37	4-#12 & 1-#2 EG, 3/4" C	40	67	4-#12 & 1-#2 EG, 3/4" C	200
38	4-#12 & 1-#2 EG, 3/4" C	40	68	4-#12 & 1-#2 EG, 3/4" C	200
39	4-#12 & 1-#2 EG, 3/4" C	40	69	4-#12 & 1-#2 EG, 3/4" C	200
40	4-#12 & 1-#2 EG, 3/4" C	40	70	4-#12 & 1-#2 EG, 3/4" C	200
41	4-#12 & 1-#2 EG, 3/4" C	40	71	4-#12 & 1-#2 EG, 3/4" C	200
42	4-#12 & 1-#2 EG, 3/4" C	40	72	4-#12 & 1-#2 EG, 3/4" C	200
43	4-#12 & 1-#2 EG, 3/4" C	40	73	4-#12 & 1-#2 EG, 3/4" C	200
44	4-#12 & 1-#2 EG, 3/4" C	40	74	4-#12 & 1-#2 EG, 3/4" C	200
45	4-#12 & 1-#2 EG, 3/4" C	40	75	4-#12 & 1-#2 EG, 3/4" C	200
46	4-#12 & 1-#2 EG, 3/4" C	40	76	4-#12 & 1-#2 EG, 3/4" C	200
47	4-#12 & 1-#2 EG, 3/4" C	40	77	4-#12 & 1-#2 EG, 3/4" C	200
48	4-#12 & 1-#2 EG, 3/4" C	40	78	4-#12 & 1-#2 EG, 3/4" C	200
49	4-#12 & 1-#2 EG, 3/4" C	40	79	4-#12 & 1-#2 EG, 3/4" C	200
50	4-#12 & 1-#2 EG, 3/4" C	40	80	4-#12 & 1-#2 EG, 3/4" C	200
51	4-#12 & 1-#2 EG, 3/4" C	40	81	4-#12 & 1-#2 EG, 3/4" C	200
52	4-#12 & 1-#2 EG, 3/4" C	40	82	4-#12 & 1-#2 EG, 3/4" C	200
53	4-#12 & 1-#2 EG, 3/4" C	40	83	4-#12 & 1-#2 EG, 3/4" C	200
54	4-#12 & 1-#2 EG, 3/4" C	40	84	4-#12 & 1-#2 EG, 3/4" C	200
55	4-#12 & 1-#2 EG, 3/4" C	40	85	4-#12 & 1-#2 EG, 3/4" C	200
56	4-#12 & 1-#2 EG, 3/4" C	40	86	4-#12 & 1-#2 EG, 3/4" C	200
57	4-#12 & 1-#2 EG, 3/4" C	40	87	4-#12 & 1-#2 EG, 3/4" C	200
58	4-#12 & 1-#2 EG, 3/4" C	40	88	4-#12 & 1-#2 EG, 3/4" C	200
59	4-#12 & 1-#2 EG, 3/4" C	40	89	4-#12 & 1-#2 EG, 3/4" C	200
60	4-#12 & 1-#2 EG, 3/4" C	40	90	4-#12 & 1-#2 EG, 3/4" C	200
61	4-#12 & 1-#2 EG, 3/4" C	40	91	4-#12 & 1-#2 EG, 3/4" C	200
62	4-#12 & 1-#2 EG, 3/4" C	40	92	4-#12 & 1-#2 EG, 3/4" C	200
63	4-#12 & 1-#2 EG, 3/4" C	40	93	4-#12 & 1-#2 EG, 3/4" C	200
64	4-#12 & 1-#2 EG, 3/4" C	40	94	4-#12 & 1-#2 EG, 3/4" C	200
65	4-#12 & 1-#2 EG, 3/4" C	40	95	4-#12 & 1-#2 EG, 3/4" C	200
66	4-#12 & 1-#2 EG, 3/4" C	40	96	4-#12 & 1-#2 EG, 3/4" C	200
67	4-#12 & 1-#2 EG, 3/4" C	40	97	4-#12 & 1-#2 EG, 3/4" C	200
68	4-#12 & 1-#2 EG, 3/4" C	40	98	4-#12 & 1-#2 EG, 3/4" C	200
69	4-#12 & 1-#2 EG, 3/4" C	40	99	4-#12 & 1-#2 EG, 3/4" C	200
70	4-#12 & 1-#2 EG, 3/4" C	40	100	4-#12 & 1-#2 EG, 3/4" C	200

**SEPARATELY DERIVED SYSTEM FEEDER SCHEDULE**

NO	WIRE AND CONDUIT	AMPS	NO	WIRE AND CONDUIT	AMPS
1	3-#12 & 1-#2 EG, 3/4" C	20	31	4-#12 & 1-#2 EG, 3/4" C	200
2	4-#12 & 1-#2 EG, 3/4" C	30	32	4-#12 & 1-#2 EG, 3/4" C	200
3	3-#10 & 1-#10 EG, 3/4" C	40	33	4-#12 & 1-#2 EG, 3/4" C	200
4	4-#12 & 1-#2 EG, 3/4" C	40	34	4-#12 & 1-#2 EG, 3/4" C	200
5	4-#12 & 1-#2 EG, 3/4" C	40	35	4-#12 & 1-#2 EG, 3/4" C	200
6	4-#12 & 1-#2 EG, 3/4" C	40	36	4-#12 & 1-#2 EG, 3/4" C	200
7	4-#12 & 1-#2 EG, 3/4" C	40	37	4-#12 & 1-#2 EG, 3/4" C	200
8	4-#12 & 1-#2 EG, 3/4" C	40	38	4-#12 & 1-#2 EG, 3/4" C	200
9	4-#12 & 1-#2 EG, 3/4" C	40	39	4-#12 & 1-#2 EG, 3/4" C	200
10	4-#12 & 1-#2 EG, 3/4" C	40	40	4-#12 & 1-#2 EG, 3/4" C	200
11	4-#12 & 1-#2 EG, 3/4" C	40	41	4-#12 & 1-#2 EG, 3/4" C	200
12	4-#12 & 1-#2 EG, 3/4" C	40	42	4-#12 & 1-#2 EG, 3/4" C	200
13	4-#12 & 1-#2 EG, 3/4" C	40	43	4-#12 & 1-#2 EG, 3/4" C	200
14	4-#12 & 1-#2 EG, 3/4" C	40	44	4-#12 & 1-#2 EG, 3/4" C	200
15	4-#12 & 1-#2 EG, 3/4" C	40	45	4-#12 & 1-#2 EG, 3/4" C	200
16	4-#12 & 1-#2 EG, 3/4" C	40	46	4-#12 & 1-#2 EG, 3/4" C	200
17	4-#12 & 1-#2 EG, 3/4" C	40	47	4-#12 & 1-#2 EG, 3/4" C	200
18	4-#12 & 1-#2 EG, 3/4" C	40	48	4-#12 & 1-#2 EG, 3/4" C	200
19	4-#12 & 1-#2 EG, 3/4" C	40	49	4-#12 & 1-#2 EG, 3/4" C	200
20	4-#12 & 1-#2 EG, 3/4" C	40	50	4-#12 & 1-#2 EG, 3/4" C	200
21	4-#12 & 1-#2 EG, 3/4" C	40	51	4-#12 & 1-#2 EG, 3/4" C	200
22	4-#12 & 1-#2 EG, 3/4" C	40	52	4-#12 & 1-#2 EG, 3/4" C	200
23	4-#12 & 1-#2 EG, 3/4" C	40	53	4-#12 & 1-#2 EG, 3/4" C	200
24	4-#12 & 1-#2 EG, 3/4" C	40	54	4-#12 & 1-#2 EG, 3/4" C	200
25	4-#12 & 1-#2 EG, 3/4" C	40	55	4-#12 & 1-#2 EG, 3/4" C	200
26	4-#12 & 1-#2 EG, 3/4" C	40	56	4-#12 & 1-#2 EG, 3/4" C	200
27	4-#12 & 1-#2 EG, 3/4" C	40	57	4-#12 & 1-#2 EG, 3/4" C	200
28	4-#12 & 1-#2 EG, 3/4" C	40	58	4-#12 & 1-#2 EG, 3/4" C	200
29	4-#12 & 1-#2 EG, 3/4" C	40	59	4-#12 & 1-#2 EG, 3/4" C	200
30	4-#12 & 1-#2 EG, 3/4" C	40	60	4-#12 & 1-#2 EG, 3/4" C	200
31	4-#12 & 1-#2 EG, 3/4" C	40	61	4-#12 & 1-#2 EG, 3/4" C	200
32	4-#12 & 1-#2 EG, 3/4" C	40	62	4-#12 & 1-#2 EG, 3/4" C	200
33	4-#12 & 1-#2 EG, 3/4" C	40	63	4-#12 & 1-#2 EG, 3/4" C	200
34	4-#12 & 1-#2 EG, 3/4" C	40	64	4-#12 & 1-#2 EG, 3/4" C	200
35	4-#12 & 1-#2 EG, 3/4" C	40	65	4-#12 & 1-#2 EG, 3/4" C	200
36	4-#12 & 1-#2 EG, 3/4" C	40	66	4-#12 & 1-#2 EG, 3/4" C	200
37	4-#12 & 1-#2 EG, 3/4" C	40	67	4-#12 & 1-#2 EG, 3/4" C	200
38	4-#12 & 1-#2 EG, 3/4" C	40	68	4-#12 & 1-#2 EG, 3/4" C	200
39	4-#12 & 1-#2 EG, 3/4" C	40	69	4-#12 & 1-#2 EG, 3/4" C	200
40	4-#12 & 1-#2 EG, 3/4" C	40	70	4-#12 & 1-#2 EG, 3/4" C	200







Branch Panel: H82										A.L.C. Rating: 30000 Supply From: H81 100 Main Type: MCO Main Rating: 400 A Wires: 4 Notes: PROVIDE 20A REED-THROUGH LOGS FROM H81									
Circuit Description										Type									
1. C-401 400V 100A										3. 20A 100V 100A									
2. 20A 100V 100A										4. 20A 100V 100A									
3. 20A 100V 100A										5. 20A 100V 100A									
4. 20A 100V 100A										6. 20A 100V 100A									
5. 20A 100V 100A										7. 20A 100V 100A									
6. 20A 100V 100A										8. 20A 100V 100A									
7. 20A 100V 100A										9. 20A 100V 100A									
8. 20A 100V 100A										10. 20A 100V 100A									
9. 20A 100V 100A										11. 20A 100V 100A									
10. 20A 100V 100A										12. 20A 100V 100A									
11. 20A 100V 100A										13. 20A 100V 100A									
12. 20A 100V 100A										14. 20A 100V 100A									
13. 20A 100V 100A										15. 20A 100V 100A									
14. 20A 100V 100A										16. 20A 100V 100A									
15. 20A 100V 100A										17. 20A 100V 100A									
16. 20A 100V 100A										18. 20A 100V 100A									
17. 20A 100V 100A										19. 20A 100V 100A									
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19. 20A 100V 100A										21. 20A 100V 100A									
20. 20A 100V 100A										22. 20A 100V 100A									
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35. 20A 100V 100A										37. 20A 100V 100A									
36. 20A 100V 100A										38. 20A 100V 100A									
37. 20A 100V 100A										39. 20A 100V 100A									
38. 20A 100V 100A										40. 20A 100V 100A									
39. 20A 100V 100A										41. 20A 100V 100A									
40. 20A 100V 100A										42. 20A 100V 100A									
41. 20A 100V 100A										43. 20A 100V 100A									
42. 20A 100V 100A										44. 20A 100V 100A									
43. 20A 100V 100A										45. 20A 100V 100A									
44. 20A 100V 100A										46. 20A 100V 100A									
45. 20A 100V 100A										47. 20A 100V 100A									
46. 20A 100V 100A										48. 20A 100V 100A									
47. 20A 100V 100A										49. 20A 100V 100A									
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53. 20A 100V 100A										55. 20A 100V 100A									
54. 20A 100V 100A										56. 20A 100V 100A									
55. 20A 100V 100A										57. 20A 100V 100A									
56. 20A 100V 100A										58. 20A 100V 100A									



















**GENERAL NOTES**

A. SWITCHES AND MOTION DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING NOTES:

B. ALL EXIT LIGHTS SHALL BE CIRCUITED TO THE SAME CIRCUIT AND SHALL BE INSTALLED IN THE EXIT DOOR OR PASSAGE.

C. LIGHTING CIRCUIT UNO. ALL LIGHTING CIRCUITS SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING NOTES:

D. ROUTE AN UNSWITCHED HOT CONDUCTOR TO ALL LIGHTING FIXTURES WITH BATTERY PACKS.

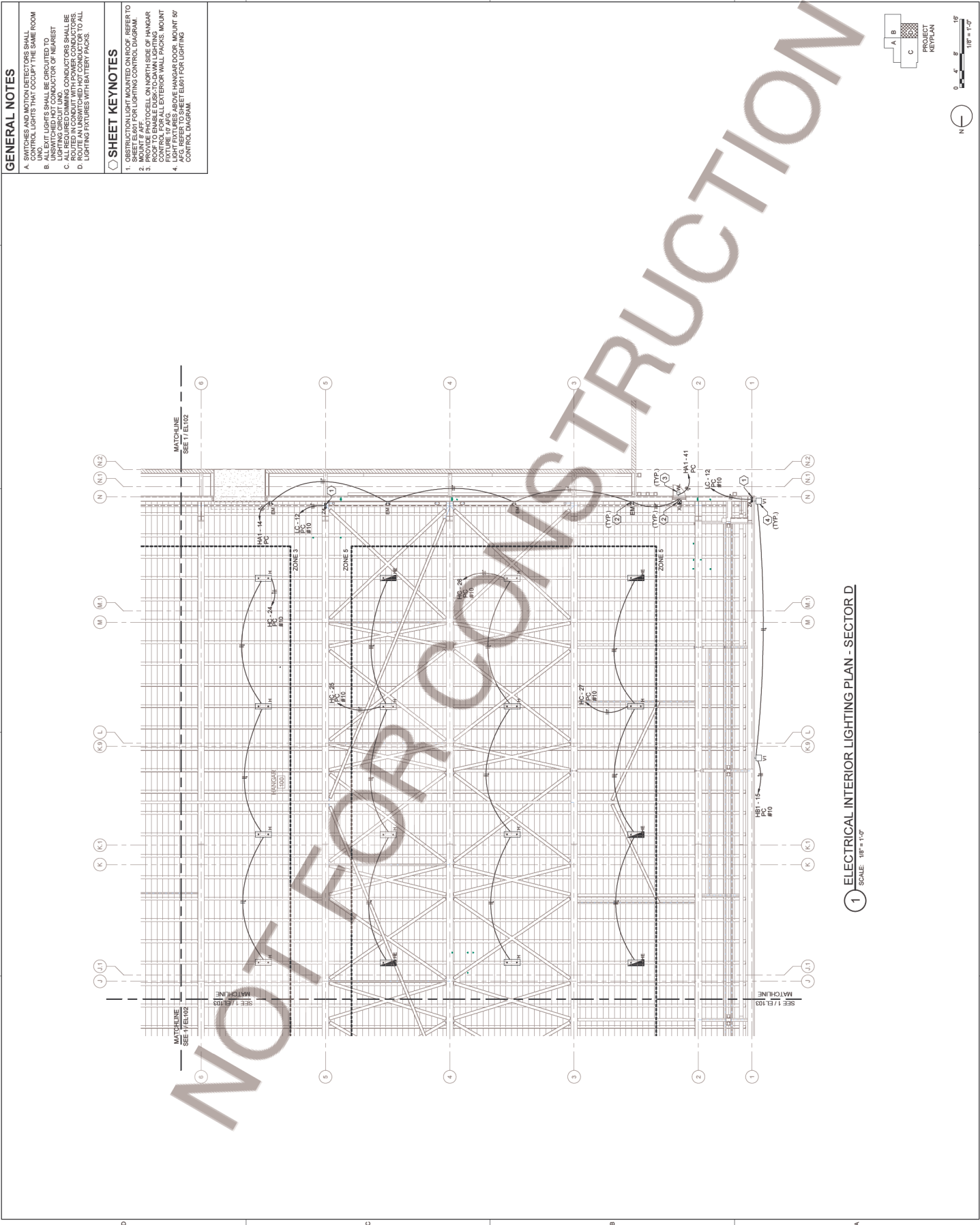
**SHEET KEYNOTES**

1. OBSTRUCTION LIGHT MOUNTED ON ROOF. REFER TO SHEET EL001 FOR LIGHTING CONTROL DIAGRAM.


2. SHEET EL001 FOR LIGHTING CONTROL DIAGRAM.

3. PROVIDE PHOTOCELL ON NORTH SIDE OF HANGAR TO BE USED TO CONTROL ALL EXTERIOR WALL LIGHTS.

4. AFG. REFER TO SHEET EL001 FOR LIGHTING CONTROL DIAGRAM.




1 ELECTRICAL INTERIOR LIGHTING PLAN - SECTOR D  
SCALE: 1/8" = 1'-0"



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Oklahoma City, OK 73112-7088  
405.940.2531 | f&b-oc.com

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**AAR Corporation**  
New Hangar  
Will Rogers World Airport, Oklahoma City, OK

DATE	DESCRIPTION
11/17/2023	ISSUED FOR PERMIT

DESIGNED BY: JSR  
DRAWN BY: MKL  
REVIEWED BY: JTL  
PROJECT MANAGER: JJE  
PROJECT NUMBER: 1177003  
SHEET NUMBER: EL104

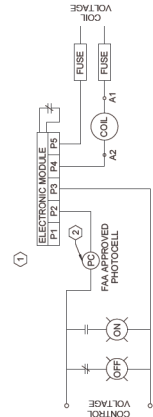
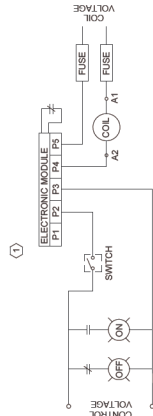
**ELECTRICAL INTERIOR  
LIGHTING PLAN - SECTOR D**

11/17/2023

1177003

EL104



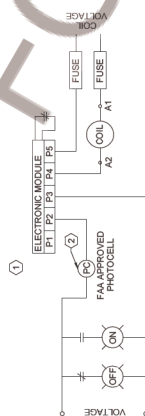


## CONTACTOR WIRING DIAGRAM - HIGH BAY LIGHTING

CALE: NTS

## CONTACTOR WIRING DIAGRAM - APRON & OBSTRUCTION LIGHTING

SCALE: NTS



## CONTACTOR WIRING DIAGRAM - EXTERIOR WALL PACKS

CALE: NTS

## LIGHTING FIXTURE SCHEDULE

ID	MANUFACTURER	PART NUMBER	DESCRIPTION	VOLTAGE	LIGHT SOURCE	LUMENS	MOUNT	COLOR TEMPERATURE	CRI	WATTAGE	DIMMING	REMARKS
A	METALUX	22SR-LD-36-UIN-VL-840-CDU-J	2 X 2 RECESSED LED TROFFER	277 V	LED	3167 lm	GRID	4000 K	90	23 W	0-10V TO 5%	PROVIDE AND INSTALL (A) 7-BAR SAFETY CLIPS IN ACCORDANCE WITH LIGHT FIXTURE MANUFACTURERS INSTRUCTIONS (TX AND EQ BRACKET PARTS BAG OR EQUAL)
B	METALUX	24SR-LD-48-UIN-VL-840-CDU-J	2 X 4 RECESSED LED TROFFER	277 V	LED	5148 lm	GRID	4000 K	90	38 W	0-10V TO 1%	PROVIDE AND INSTALL (A) 7-BAR SAFETY CLIPS IN ACCORDANCE WITH LIGHT FIXTURE MANUFACTURERS INSTRUCTIONS (TX AND EQ BRACKET PARTS BAG OR EQUAL)
BE	METALUX	24SR-LD-48-UIN-EL-14VL-840-CDU-J	2 X 4 RECESSED LED TROFFER WITH EMERGENCY BATTERY PACK	277 V	LED	5148 lm	GRID	4000 K	90	74 W	0-10V TO 1%	PROVIDE AND INSTALL (A) 7-BAR SAFETY CLIPS IN ACCORDANCE WITH LIGHT FIXTURE MANUFACTURERS INSTRUCTIONS (TX AND EQ BRACKET PARTS BAG OR EQUAL)
CE	METALUX	4LEED-LD-11-TSTMUUN-VL-840-CDU-J	4 LINEAR LED LOW BAY	277 V	LED	12285 lm	STRUCTURAL STEEL	4000 K	85	89 W	0-10V TO 1%	PROVIDE EMBURY BATTERY PACK, SURE-LITES EBR-LED-14MSD
D	HALO COMMERCIAL	HQ-10100-IH-M865-238-6-5 1MHX	4 LINEAR LED LOW BAY, REMOTE EMERGENCY BATTERY PACK WITH SELF-DIAGNOSTICS AND 90 MINUTES OF RUN TIME	277 V	LED	12285 lm	STRUCTURAL STEEL UNO	4000 K	85	89 W	0-10V TO 10%	
DE	HALO COMMERCIAL	HQ-10100-IE-H-M865-238-6-5 1MHX	6" ROUND LED DOWNLIGHT	277 V	LED	1160 lm	RECESSED	4000 K	90	19 W	0-10V TO 1%	
EM	SURE-LITES	SEL56SD	6" ROUND LED DOWNLIGHT WITH EMERGENCY BATTERY PACK	277 V	LED	1160 lm	WALL - 8' AFF	4000 K	90	1 W		
F	METALUX	2BOLD-LD-2SL-F-IN-VL-840-CDU-J	EMERGENCY LIGHT WITH SELF-DIAGNOSTICS, WHITE HOUSING, INJECTION MOLDED, COLOR STABLE, HIGH IMPACT THERMOPLASTIC MATERIAL SEALED NOVEL CADMIUM BATTERY, TWO LONG LIFE LED TECHNOLOGY HEADS IS QUALIFIED WITH A MINIMUM OF 90 MINUTES OF RUN WARRANTY ON FIXTURES	277 V	LED	2000 lm	SURFACE (WALL)	4000 K	90	23 W	0-10V TO 5%	SET ADJUSTABLE COLOR TEMPERATURE TO 4000K
G	HALO	LCR412PDSFSE02DLG4TBMHX	SURFACE 2 FT LUMINAIRE, 4 INCH WIDE, FULL FROST LENS	277 V	LED	1380 lm	RECESSED	4000 K	90	15 W	0-10V TO 5%	PROVIDE OHS-SPW - SINGLE POINT MOUNTING HUB
H	METALUX	OHL-36SE-MFLCZ77-L840-CDU-J	4 INCH ROUND CANLESS LED DOWNLIGHT 4 INCH ROUND	277 V	LED	879/68 lm	STRUCTURAL STEEL UNO	4000 K	90	53 W	0-10V	PROVIDE OHS-SPW - SINGLE POINT MOUNTING HUB
HE	METALUX	OHL-36SE-MFLCZ77-L840-EL-S-W-REM-CDU	HIGH BAY LED WITH 20W EMERGENCY BATTERY PACK (WITH AUTOMATIC SELF TEST)	277 V	LED	879/68 lm	STRUCTURAL STEEL	4000 K	90	53 W	0-10V	PROVIDE OHS-SPW - SINGLE POINT MOUNTING HUB
N	NEO-RAY	SR10P-1440-PTR54-LDD-LS	DIRECT/INDIRECT SUSPENDED LUMINAIRE	277 V	LED	10354 lm	01P OR GRID	4000 K	90	500 W	0-10V TO 10%	SUPPORTS 120/277, PROVIDE BUTTON TYPE PHOTOCONTROL AT 277V
PL	MCGRAW-EDISON	GALN-3A3-C7-60-U-TW-MPC	(1) PALE LIGHT 7 SQUARES, .25 FT ROUND TAPESTRY POLE WITH GROUND LUG AND VIBRATION DAMPER FOR 160 MPH SUSTAINED WINDS AND QWS UP TO 130 MPH.	277 V	LED	21003 lm		4000 K	70	131 W	0-10V	
S	METALUX	4SL2L-840	4 FT LENISED STRIPLIGHT	277 V	LED	4827 lm	SUSPENDED (CHAIN)	4000 K	90	42 W	0-10V TO 10%	
SE	METALUX	4SL2L-840-EL-14	4 FT LENISED STRIPLIGHT WITH EMERGENCY BATTERY PACK	277 V	LED	4827 lm	SUSPENDED (CHAIN)	4000 K	90	42 W	0-10V TO 10%	
V1	MCGRAW-EDISON	GALN-5A3D-3A6D-U-16FT-JMA-MH-RSS	APRON LIGHTING	277 V	LED	43471 lm	SURFACE (WALL)	4000 K	90	562 W	0-10V	SUPPORTS 120/277
V2	METALUX	VTIS-18-DR-277-L840-CDU-J	2 - VAPORITE LED INDUSTRIAL	277 V	LED	17986 lm	STRUCTURAL STEEL	4000 K	90	138 W	0-10V	
VA	LIAMARK	AVCSM-CP-RBP	GENERAL WALL LUMINAIRE FOR EXTERIOR EGRESS LIGHTING, WITH PHOTOCONTROL AND	277 V	LED	5520 lm	SURFACE (WALL)	4000 K	70	44 W	0-10V	ENABLE DUSK-TO-DAWN LIGHTING CONTROL BY SENSING LIGHT LEVELS USING PHOTOCELL ON ROOF
ZL	SURE-LITES	LP71SD	LED EXIT LIGHT; 90 MINUTES OF EMERGENCY RUN TIME WITH SELF-POWERED BATTERY AND SENSOR	120 V	LED	0 lm	WALL CEILING	0 K	0	1 W		SUPPORTS 120/277
XL	DIALIGHT	R6C-R91-X02	DOUBLE OBSTRUCTION LIGHT	120 V	LED	0 lm	CONDUIT	0 K		NA		

## GENERAL NOTES

- A. LIGHT FIXTURE SCHEDULE PROVIDES BASIS OF DESIGN LIGHTING INTENT. CONTRACTOR TO PROVIDE BASIS OF DESIGN OR APPROVED EQUAL WITH EQUIVALENT FORM, FIT AND FUNCTION.
- B. OBSTRUCTION LIGHTING AND APRON LIGHTING WILL BE ON SEPARATE CONTRACTORS.

## SHEET KEYNOTES

1. CONTACTOR BASIS OF DESIGN: EATON C30CMM MECHANICALLY HELD CONTACTOR, PROVIDE NEMA 1 ENCLOSURE WITH BACKPLATE. COORDINATE WITH MANUFACTURER FOR ALL WIRING AND TERMINATIONS.
2. PHOTOCELL SHALL BE MOUNTED ON THE HANGAR ROOF, FAVORING A NORTH ORIENTATION.



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**New Hangar**  
**Will Rogers World Airport, Oklahoma City, OK**

**AAR Corporation**  
**New Hangar**

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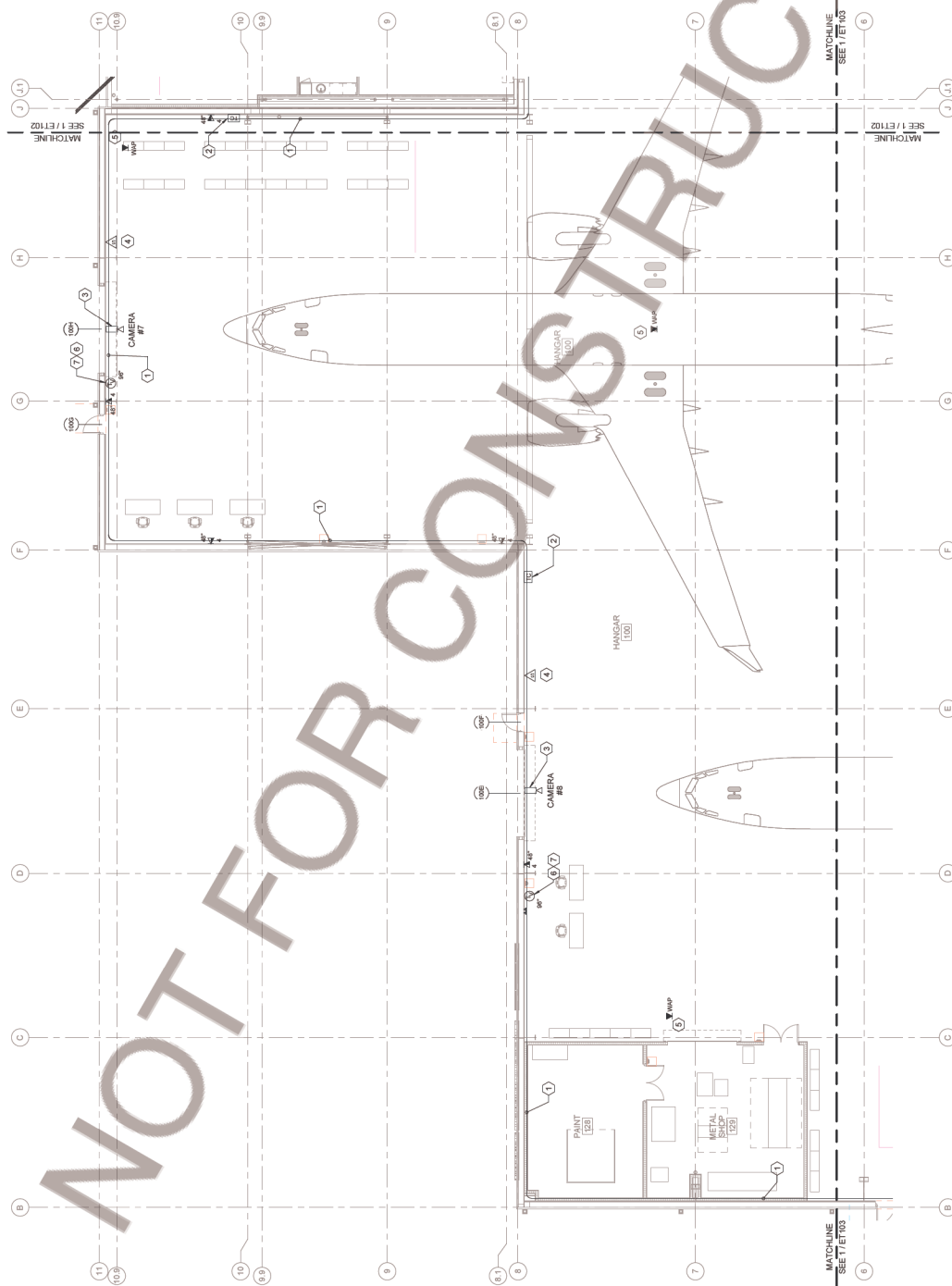


## GENERAL NOTES

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## SHEET KEYNOTES

- THESE SHALL BE QTY 2; 2" BMT TO BOTH NORTH AND SOUTH WALL. COUNTER TOP OF CABINET IN LONG PERIMETER WALL AT A NOMINAL HEIGHT OF 14" AFF. ROUTING DEPICTED IS DIAGNOSTIC ONLY. SEE ELECTRICAL SCHEDULE FOR ALL ELECTRICAL AND DATA CABLES. CABLES SHALL BE CAT 6A, FIBER IN 1/2" CABLE CLOSING SHALL BE CAT 6A, FIBER IN 1/2" TELECOM CLOSURE. IT SHALL BE 20" AFF. SPEAKER WIRE SHALL BE ROUTED IN MINIMUM 3/4" CLOSURE. ALL CABLES SHALL BE RUN TO EACH WIRELESS ACCESS POINT. THE APPLIES TO ONE WIRELESS ACCESS POINT. IT SHALL BE RUN TO ONE CABLE CLOSURE. IT SHALL BE RUN IN 1" BMT TO THE FLOOR OR WALL MOUNTED BACKBOX FOR EACH TV LOCATION. WALL MOUNTED SHALL BE MOUNTED TO BACKBOX AND OUTLETS SHALL BE MOUNTED TO BACKBOX. ALL CABLES SHALL BE COORDINATED WITH ARCHITECT, OWNER AND/OR AV CONTRACTOR. ALL CABLES SHALL BE RUN TO EACH TV LOCATION. ALL SYSTEM CABLES SHALL BE RUN IN MINIMUM 3/4" BMT AND SHALL BE RUN TO NEAREST ACCESSIBLE ACS JUNCTION ABOVE.



1 GROUND FLOOR TELECOMMUNICATION PLAN - SECTOR A



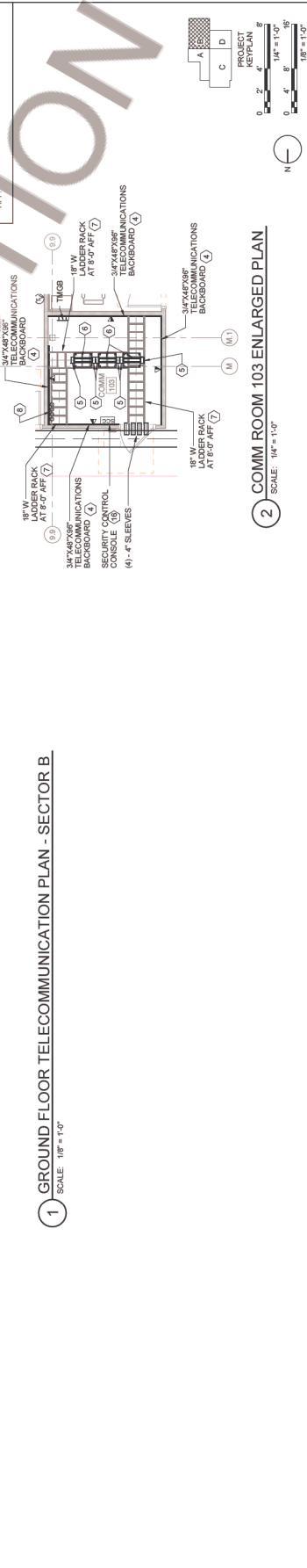


## GENERAL NOTES

- [illegible]

## SHEET KEYNOTES

- TIME CLOCK - CATHA CABLE MOUNT 4E' AFF.  
PROVIDE TELEPHONE CABLE MOUNT 4E' AFF.  
REFER TO DETAIL 35701 FOR CABLE DETAIL  
THESE SHALL BE MOUNTED TO THE NORTH  
HANGAR BAY, CONDUIT SHALL BE MOUNTED ALONG  
HANGAR BAY, CONDUIT SHALL BE MOUNTED ALONG  
ROUTING DETAIL IS DIAGRAMMATIC ONLY.  
MOUNT BACKBOARD ALONG WALL FROM 6' AFF UP  
TO 12' AFF.  
C. VERTICAL CABLE MANAGER  
MOUNT 12' AFF. 4E' AFF. LIGHT COMMUNICATIONS  
LADDER RACK SHOWN IN LIGHT COMMUNICATIONS  
DETAIL 35701.  
(4) CSP CONDUITS STUBBED UP 5' AFF.  
(4) CSP CONDUIT TO SPINE CABLE MANAGER IN 1"  
ELECTRIC RACK.  
TELECOM ENCLOSURE (TE)  
(4) TELECOM ENCLOSURE IN MINIMUM 4" EMT  
(4) EQUIPMENT ROOM TELECOM ROOM (ERT)  
A QUANTITY OF 12 (12) CABLES SHALL BE RUN TO  
TELECOM ENCLOSURE (TE) FROM 6' AFF TO 12' AFF.  
BOTH INTERNAL AND EXTERNAL WIRELESS AP'S  
SHALL BE MOUNTED TO THE NORTH HANGAR BAY  
DECEASED OR WALL MOUNTED BACKBOARD FOR EACH  
LOCATION.  
TELECOM ENCLOSURE (TE) SHALL BE MOUNTED  
AT AN ANIMAL HEIGHT OF 8' AFF. FINAL LOCATIONS  
SHALL BE DETERMINED BY ARCHITECT. OWNER  
SHALL BE TERMINATED ON OPPOSITE SIDE OF 12' AFF.  
AT LEAST 6 (6) CABLES IN 7" CABLE SHALL BE RUN  
TO TELECOM ENCLOSURE (TE) FROM 6' AFF TO 12' AFF.  
FLOORBOARDS OR OTHERWISE PROPERLY SEPARATED  
ONLY LISTED CABLES FOR A WET LOCATION SHALL  
BE USED.  
ACCESS/CONTROL SYSTEM CABLE SHALL BE  
RUN IN MINIMUM 4" EMT AND SHALL BE RUN TO  
TELECOM ENCLOSURE (TE) ACCESSIBLE AS JUNCTION BOX ABOVE  
DOOR.  
ACCESS/CONTROL SYSTEM CABLE SHALL BE RUN TO  
TELECOM ENCLOSURE (TE) ACCESSIBLE AS JUNCTION BOX ABOVE  
DOOR.



1 GROUND FLOOR TELECOMMUNICATION PLAN - SECTOR B

COMM ROOM 103 ENLARGED PLAN







## GENERAL NOTES

- A. INSTALLATION MUST COMPLY WITH ALL STATE AND LOCAL BUILDING CODES.
- B. ALL ELECTRICAL WIRING TO BE INSTALLED TO THE BUILDING NETWORK MUST BE DONE ON PERMANENTLY MOUNTED OUTSIDE WINDOW. ALL NETWORK ACCESS MUST BE THROUGH THE BUILDING NETWORK RACKS.
- C. ANY DIMENSIONS SHOWN ON THESE DRAWINGS SHALL BE USED TO DETERMINE THE RESPONSIBILITY FOR THE CONFLICTING DIMENSIONS PRIOR TO BEGINNING THE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL DIMENSIONS PRIOR TO ROUGH-IN WITH THE ARCHITECT.
- D. REGULAR 90 DEGREE BENDS ARE ACCEPTABLE. IRREGULAR 90 DEGREE BENDS ARE NOT ACCEPTABLE IN INTERNAL PREMISES.
- E. THERE MUST BE TWO 90 DEGREE BENDS OR 100 FEET IN LENGTH ARE ALLOWED IN A SINGLE CONDUIT RUN.
- F. NO HORIZONTAL CABLE RUNS SHALL EXCEED 285 FEET.
- G. PLASTIC TIE WIPERS ARE NOT PERMITTED AT ANY TIME ON THIS INSTALLATION. HOOK AND LOOP ARE NOT ALLOWED.
- H. ALL CONDUITS, SLEEVES, STUD UPS, OR WALL GAPS SHALL BE PROTECTED BY A MINIMUM OF 1/2" OF CONCRETE.
- I. CONTRACTOR SHALL COORDINATE ALL WIRING WITH ALL BUILDINGS.
- J. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- K. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- L. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- M. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- N. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- O. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- P. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- Q. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- R. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- S. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- T. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- U. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- V. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- W. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- X. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- Y. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.
- Z. CONTRACTOR SHALL COORDINATE ALL BUILDINGS WITH ALL BUILDINGS.

## SHEET KEYNOTES

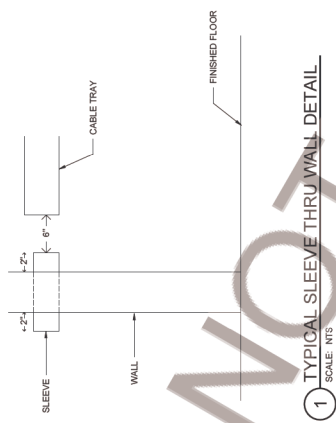
1. THERE SHALL BE (QTY./2)2' EMT TO BOTH NORTH AND SOUTH SIDE OF THE BUILDING. THE EMT SHALL BE HUNGAR BAY CONDUIT SHALL BE MOUNTED ALONG PERIMETER WALL AT A NOMINAL HEIGHT OF 14' AFF. ROUTING DETAIL IS DIAGRAMATIC ONLY.
2. CAMERA CABLEING SHALL BE CAT 6A. HOMERUN IN 1" EMT/CONDUIT TO NEAREST TELECOM ROOM OR EQUIPMENT TELECOM ROOM (ETRM).
3. SECOND FLOOR SHALL BE CABLED TO A MINIMUM 34" EMT/CONDUIT TO EQUIPMENT TELECOM ROOM (ETRM).
4. A QUANTITY OF (2) CAT6A CABLES SHALL BE RUN TO EACH WIRELESS ACCESS POINT. THIS APPLIES TO BOTH INTERNAL AND EXTERNAL WIRELESS APS.

REVISION HISTORY:					
△	DESCRIPTION	DATE			
DESIGNED BY: MBK					
DRAWN BY: MBK					
CHECKED BY: RH					
PROJECT MANAGER: JE					
PROJECT NUMBER: F802023-095-00					
GROUND FLOOR TELECOMMUNICATION PLAN - SECTOR D					
SIZE DATE: 11/7/2023					
SHEET NUMBER: ET104					

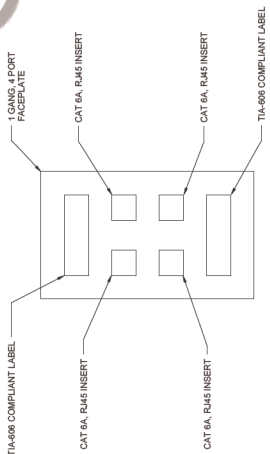
1 GROUND FLOOR TELECOMMUNICATION PLAN - SECTOR D  
SCALE: 1/8" = 1'-0"



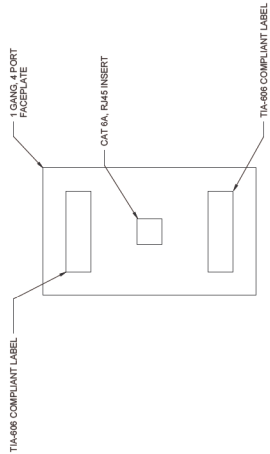




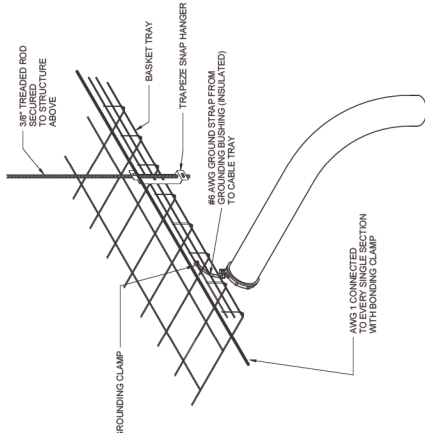
1 TYPICAL SLEEVE THRU WALL DETAIL  
SCALE: NTS



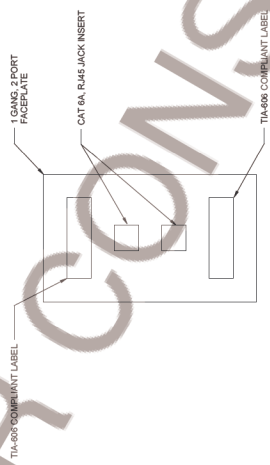
4 STANDARD TELECOMMUNICATIONS  
OUTLET FACEPLATE DETAIL  
SCALE: NTS



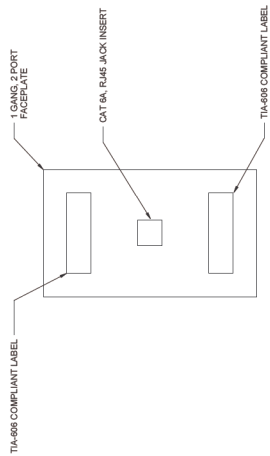
7 TYPICAL CCTV OUTLET FACEPLATE DETAIL



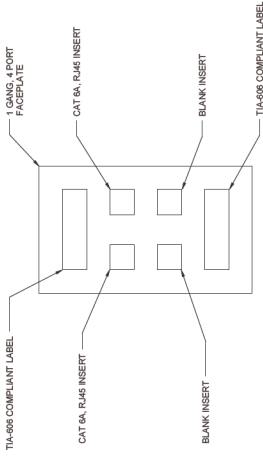
## 2 TYPICAL CONDUIT CONNECTION TO BASKET TRAY



5 STANDARD OUTLET FACEPLATE DETAIL

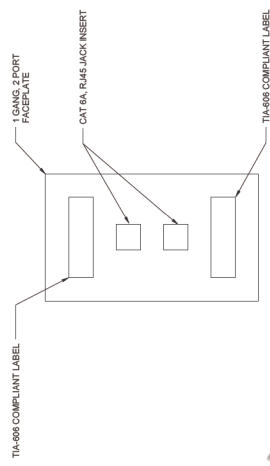


8 STANDARD TV OUTLET FACEPLATE DETAIL



STANDARD TELECOMMUNICATIONS  
OUTLET FACEPLATE DETAIL

3 SCALE: NTS



6 STANDARD WAP OUTLET FACEPLATE DETAIL



