



• celebrating 10 years •

Professional Building Department Solutions

3361 Rouse Rd., Suite 210
Orlando, FL 32817
Ph.: (407) 277-9795
Fax: (407) 277-6863

Project Name: _____

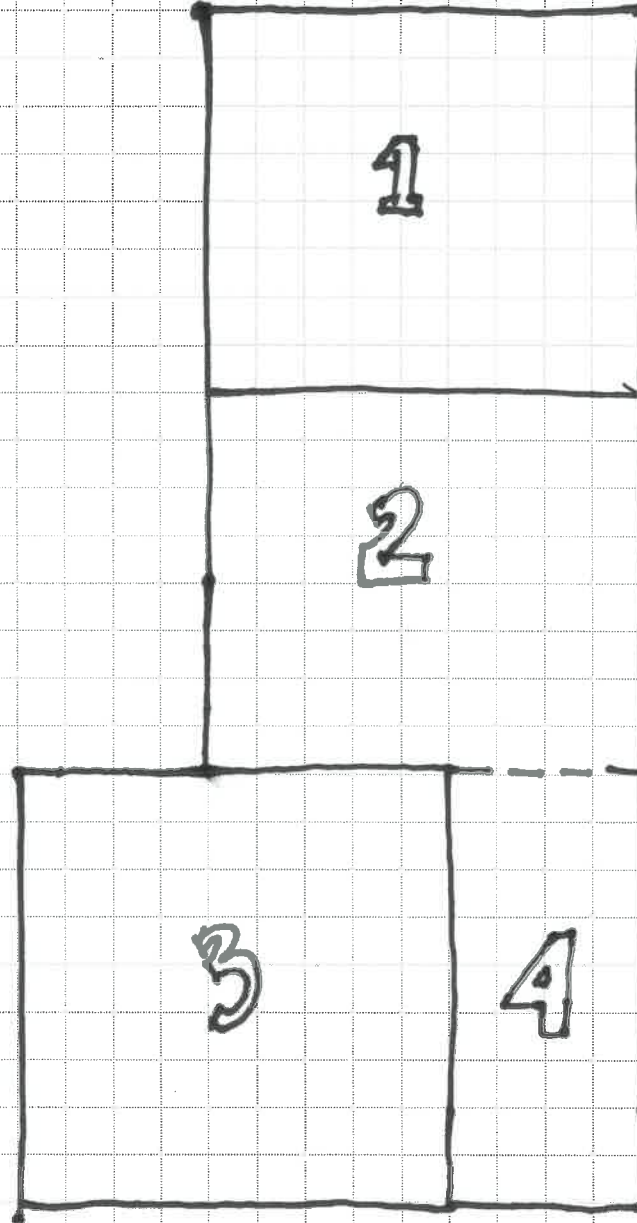
Project Number: _____

Drawn By: _____

Date: _____

RJW/
1/29/18

Keys Energy Diesel Generating Plant





6501 Arlington Expressway
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Jacksonville, FL 32211
p 904.743.4833
f 904.725.9295
www.aespi.com
FL COA #791

DIESEL PLANT STRUCTURAL SURVEY
KEY WEST, FLORIDA

Project Status

SEAL: MARK J KEISTER PE 37435

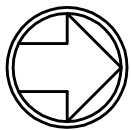
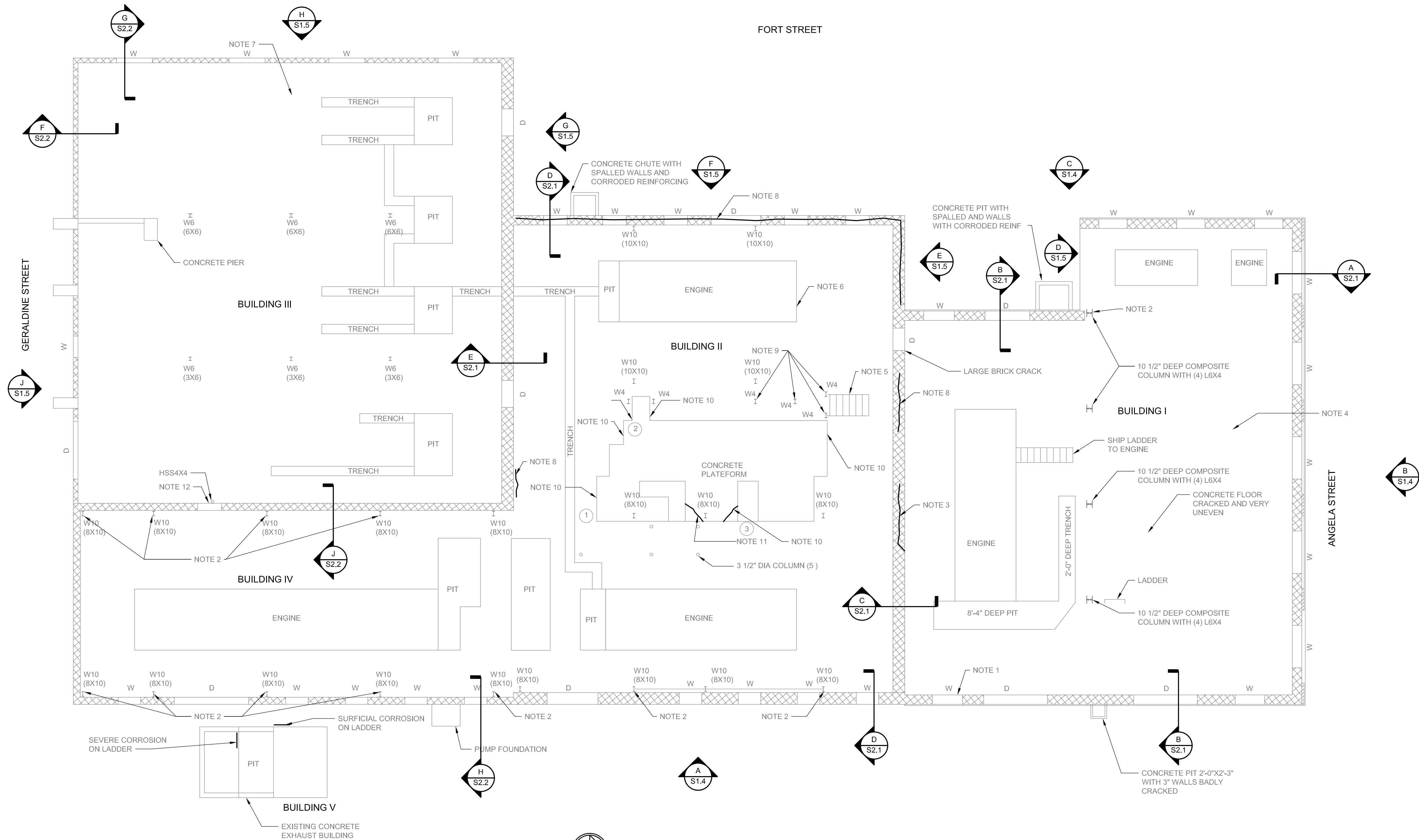
REVISED / ISSUED FOR:		
REV	DATE	DESCRIPTION

PROJECT NO. 316-048
DATE: 08.03.2016
DRAWN BY: JEM
CHECKED BY: MJK

SHEET TITLE:
EXISTING FLOOR PLAN

SHEET NO.

S1.1



EXISTING FLOOR PLAN

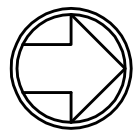
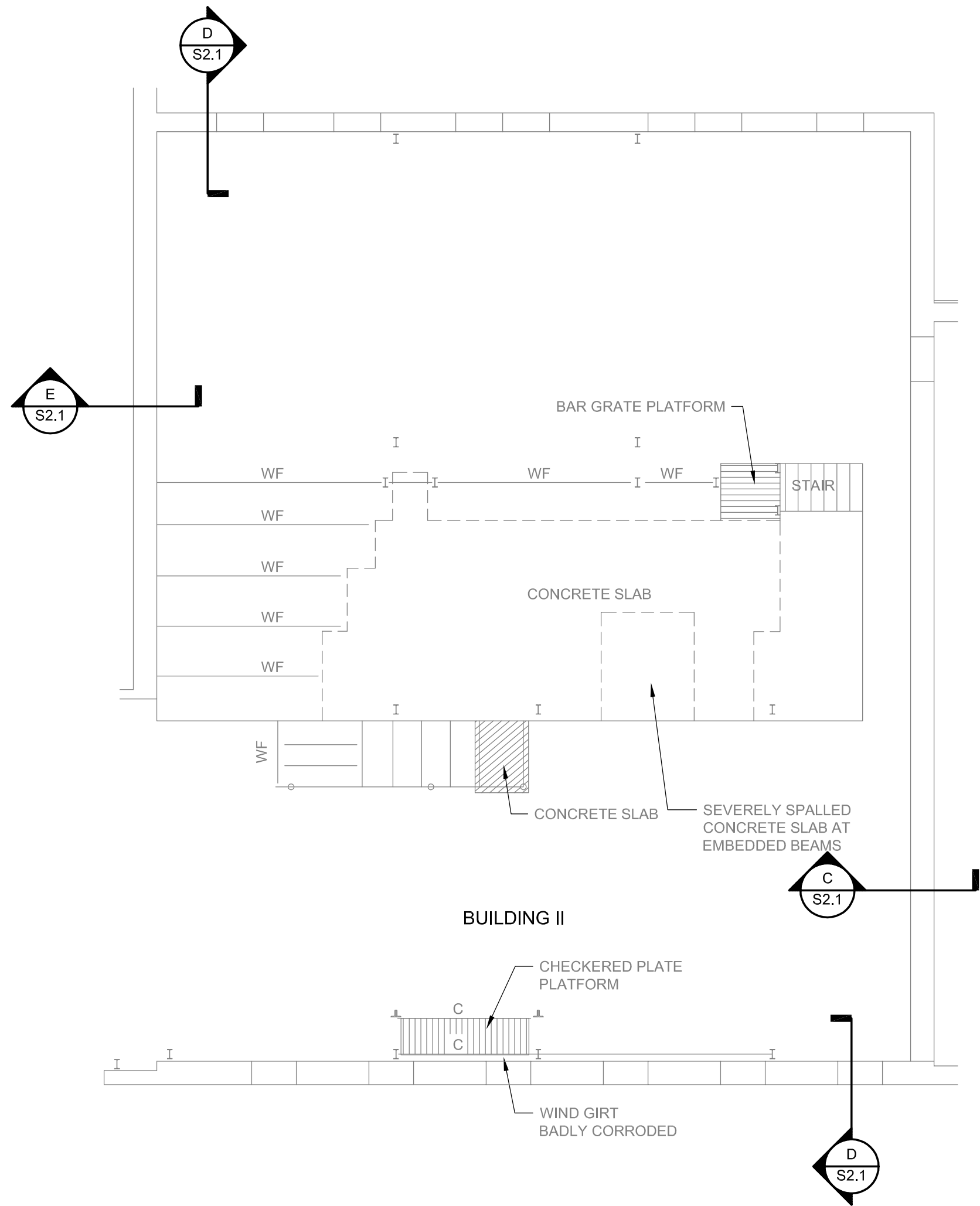
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SURVEY NOTES:

1. DETERIORATED FACE OF BRICK
2. BADLY CORRODED COLUMN BASE AND OR COLUMN
3. CRACKS IN BRICK AT WALL PENETRATIONS AND ELEVATED OPENINGS
4. CONCRETE FLOOR CRACKED AND UNEVEN
5. BADLY CORRODED STAIR STRINGERS AT BASE OF STAIR
6. TRENCH AND PIT EDGE ANGLE BADLY CORRODED
7. CONCRETE FLOOR CRACKED AND UNEVEN - TRENCH AND PIT EDGE ANGLES ARE BADLY CORRODED
8. DETERIORATED MORTAR JOINTS
9. BADLY CORRODED POST BASE
10. LARGE SPALL WITH EXPOSED CORRODING REINFORCING
11. SEVERE CRACK AT CONCRETE BASE
12. BADLY DETERIORATED BRICK AT WALL OPENING
13. SURFICIAL CORROSION ON ALL STRUCTURAL STEEL.

CARBONATION AND CHLORIDE TEST

8/3/2016 11:55:47 AM

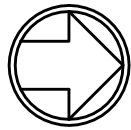
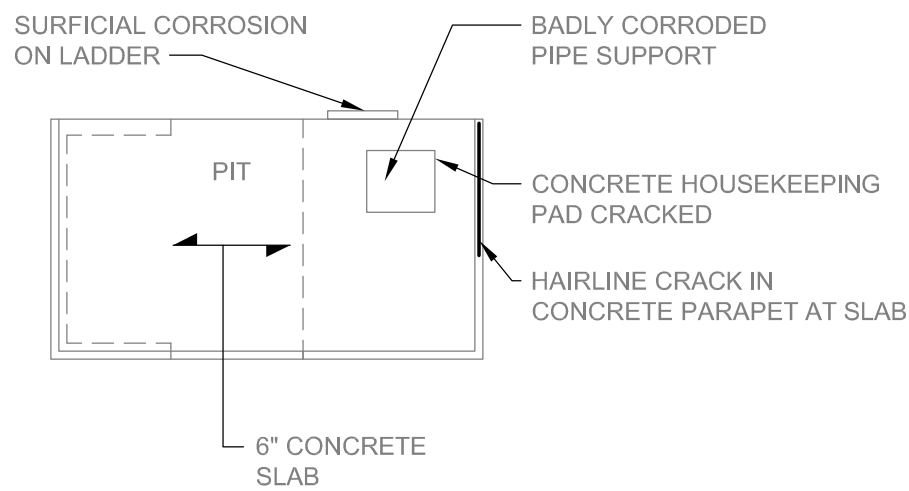


EXISTING MEZZANINE FLOOR PLAN BUILDING II

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

SURVEY NOTES:

1. SURFICIAL CORROSION ON ALL STRUCTURAL STEEL.



EXISTING CONCRETE EXHAUST ROOF PLAN BUILDING V

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



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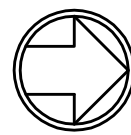
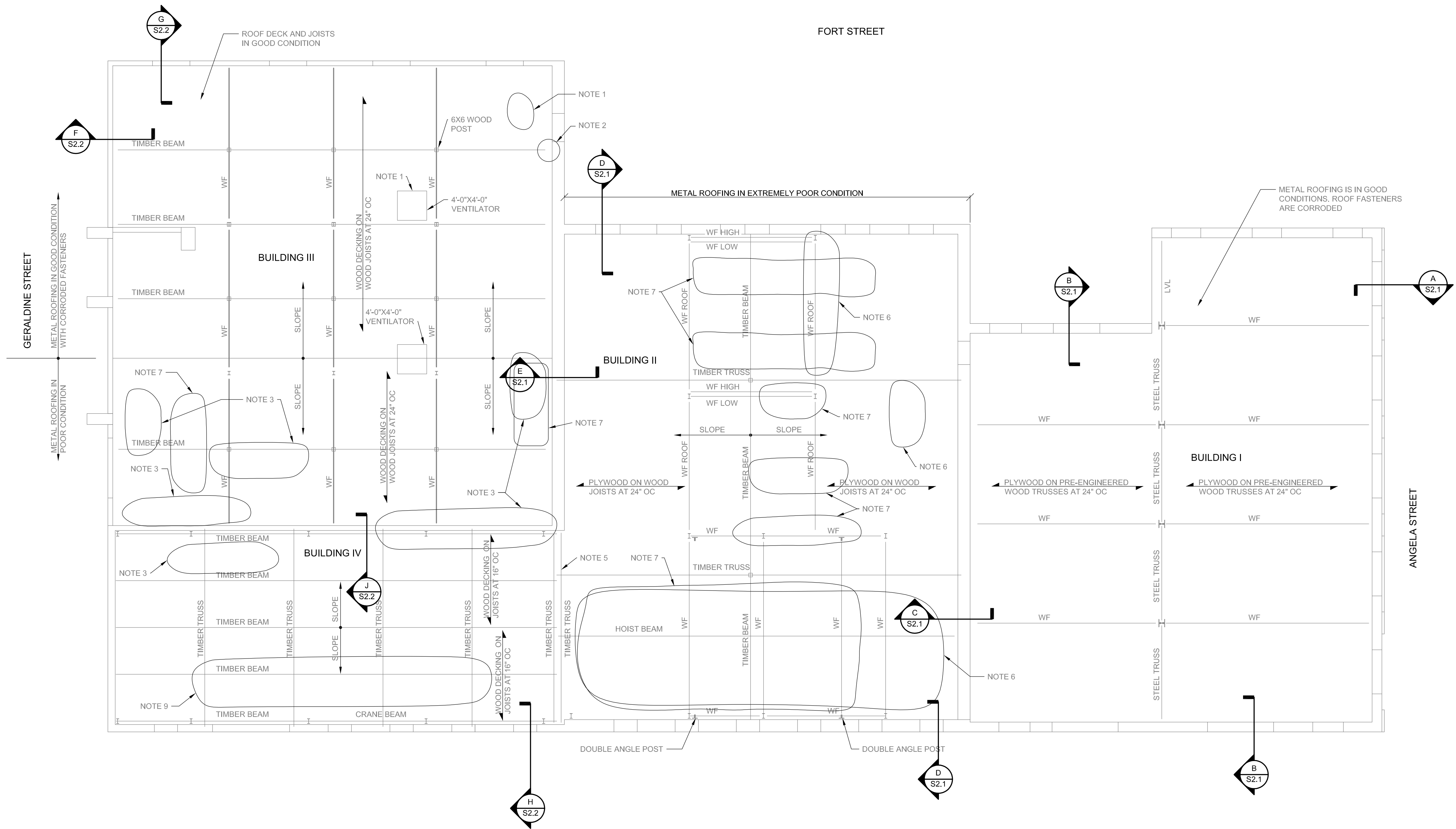
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SHEET TITLE:

EXISTING MEZZANINE FLOOR PLAN

SHEET NO.

S1.2

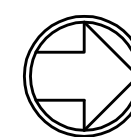
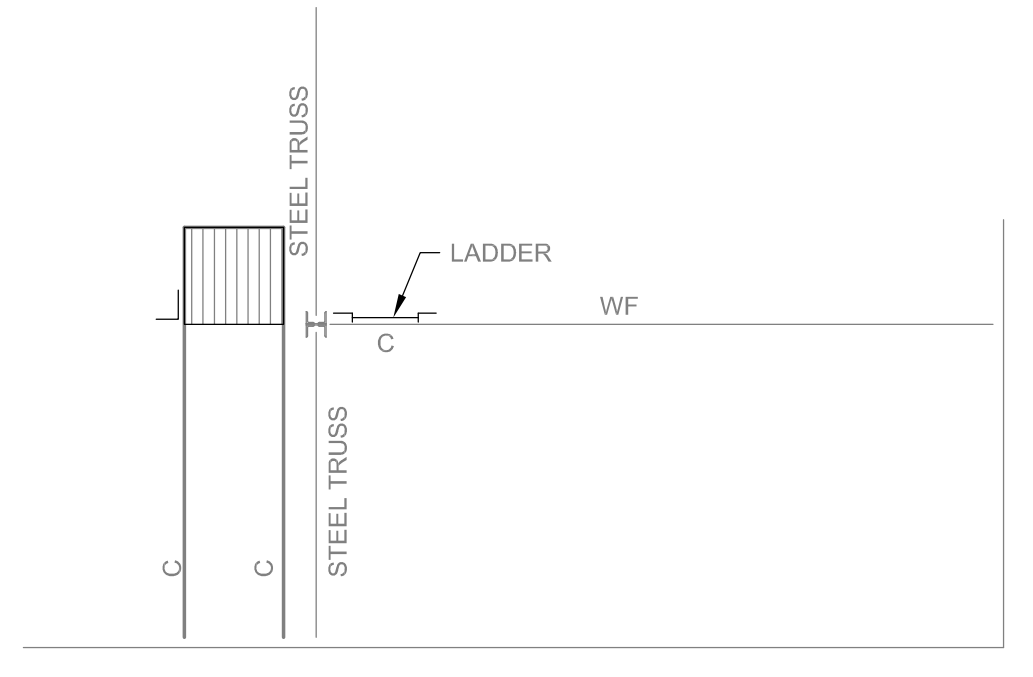


EXISTING ROOF FRAMING PLAN

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

SURVEY NOTES:

1. CORRODED AREA ON METAL ROOFING
2. DETERIORATED BEAM KICKER
3. BADLY DETERIORATED OR MISSING ROOF DECK
4. DETERIORATED ROOF SHEATHING
5. BADLY DETERIORATED BOTTOM TRUSS CHORD
6. DETERIORATED ROOF SHEATHING
7. AREA OF MISSING METAL ROOFING
8. SURFICIAL CORROSION ON ALL STRUCTURAL STEEL
9. BADLY DETERIORATED AND MISSING ROOF DECK, JOINTS AND METAL DECK



ELEVATED PLATFORM BUILDING I

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



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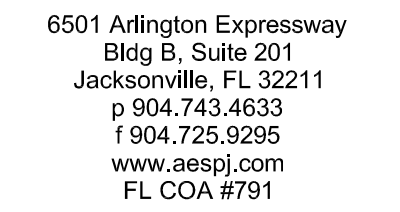
CHECKED BY: MJK

SHEET TITLE:

EXISTING ROOF FRAMING PLAN

SHEET NO.

S1.3



Project Status

SEAL: MARK J KEISTER PE 37435

[illegible]

PROJECT NO.	316-04
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DATE: 08.03.201

DRAWN BY: JE

CHECKED BY: _____ M.

SHEET TITLE:

EXISTING

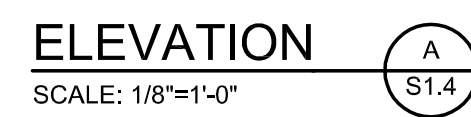
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ELEVATIONS

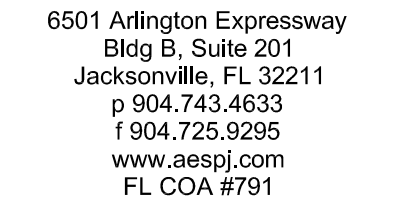
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S1.4

31.4



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KEY WEST, FLORIDA

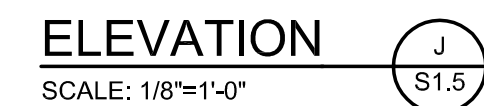
SEAL: MARK J KEISTER PE 37435

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CHECKED BY: _____ M.

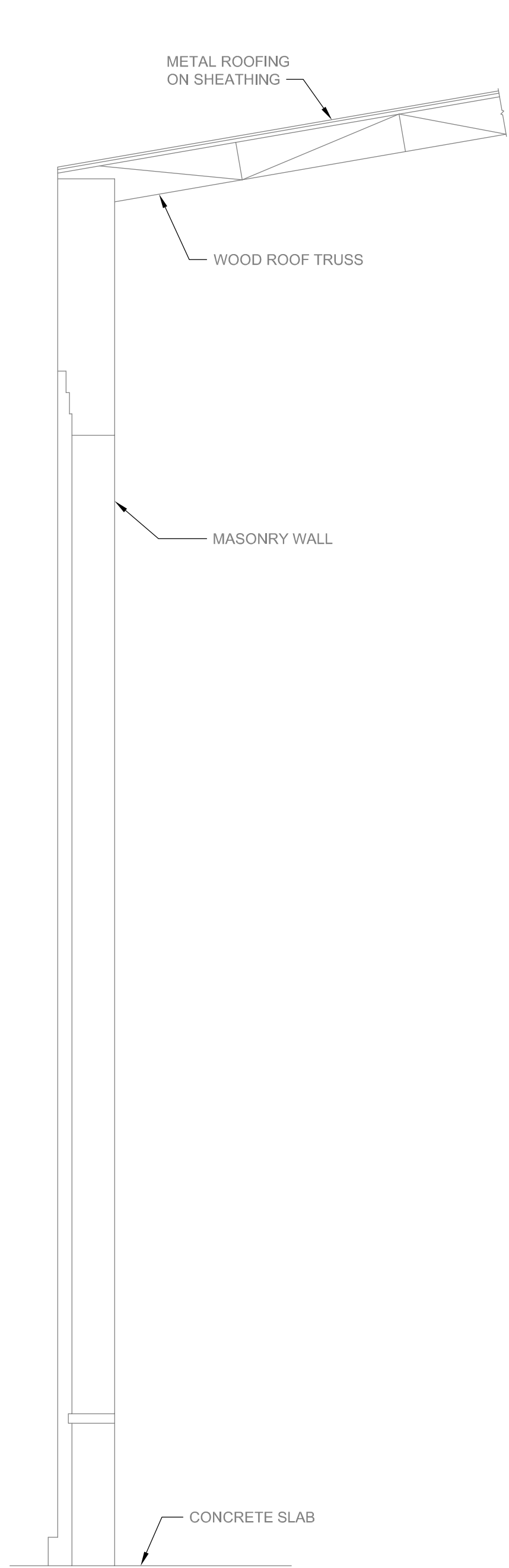
EXISTING ELEVATIONS

S1.5

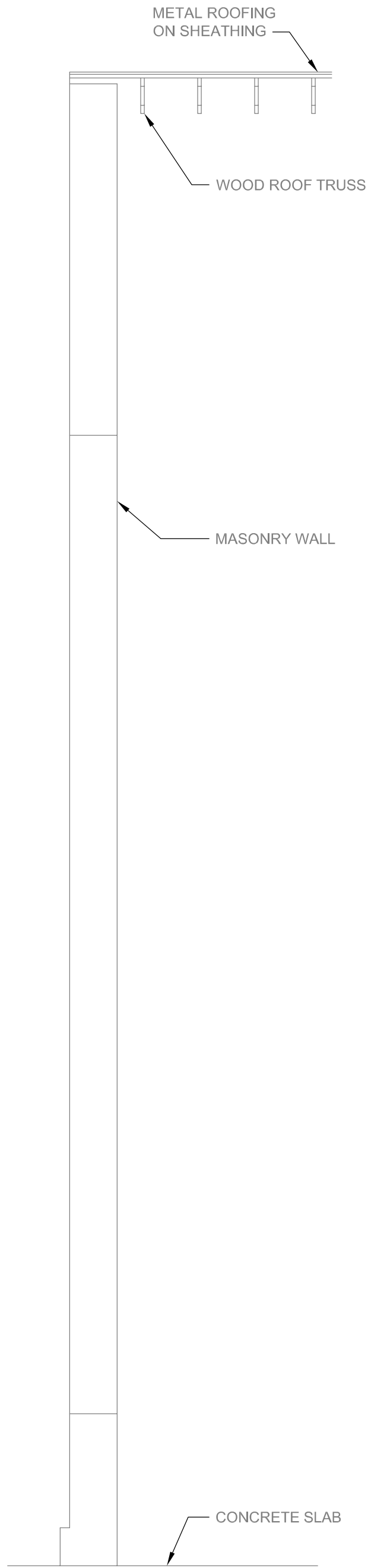


(#) CARBONATION AND CHLORIDE TEST

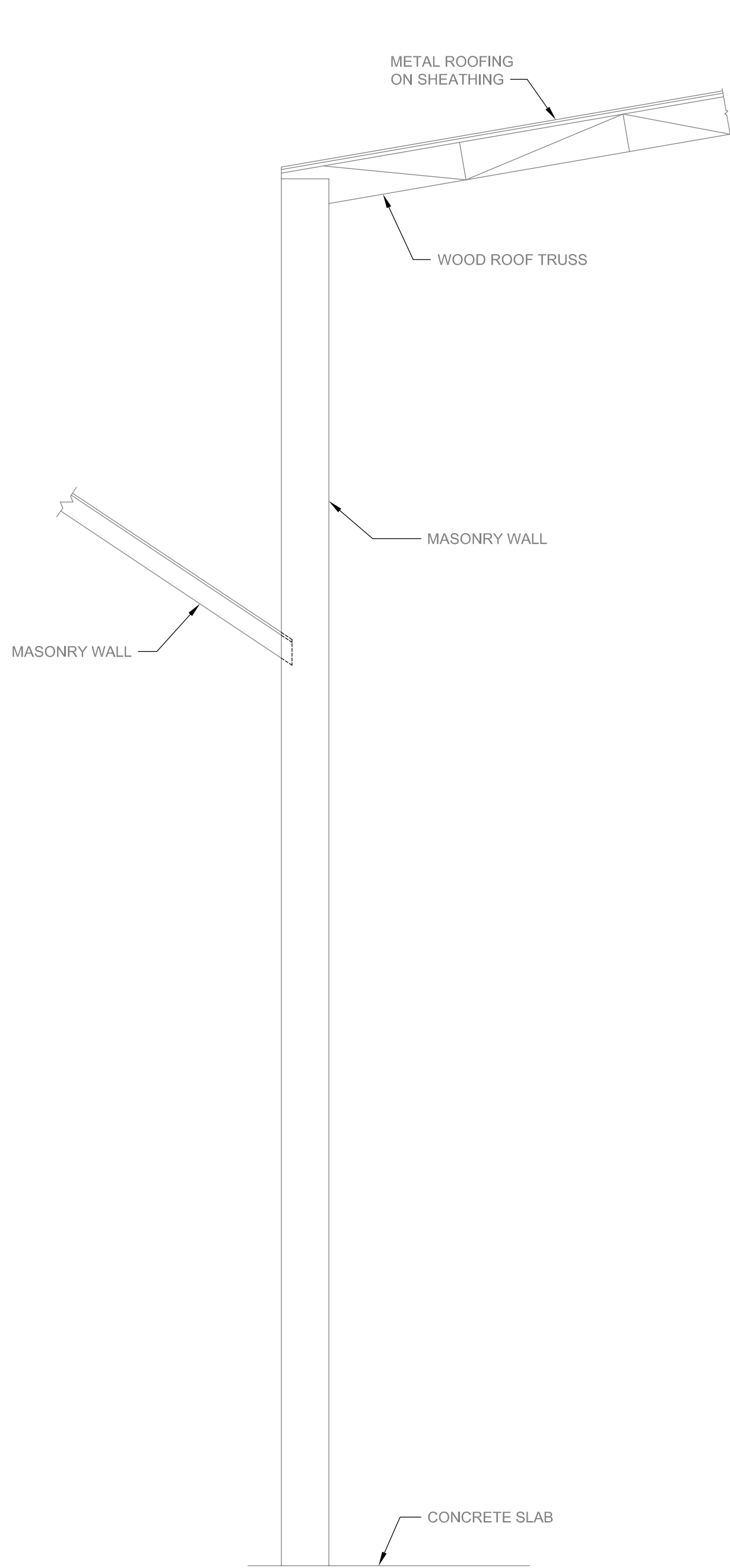
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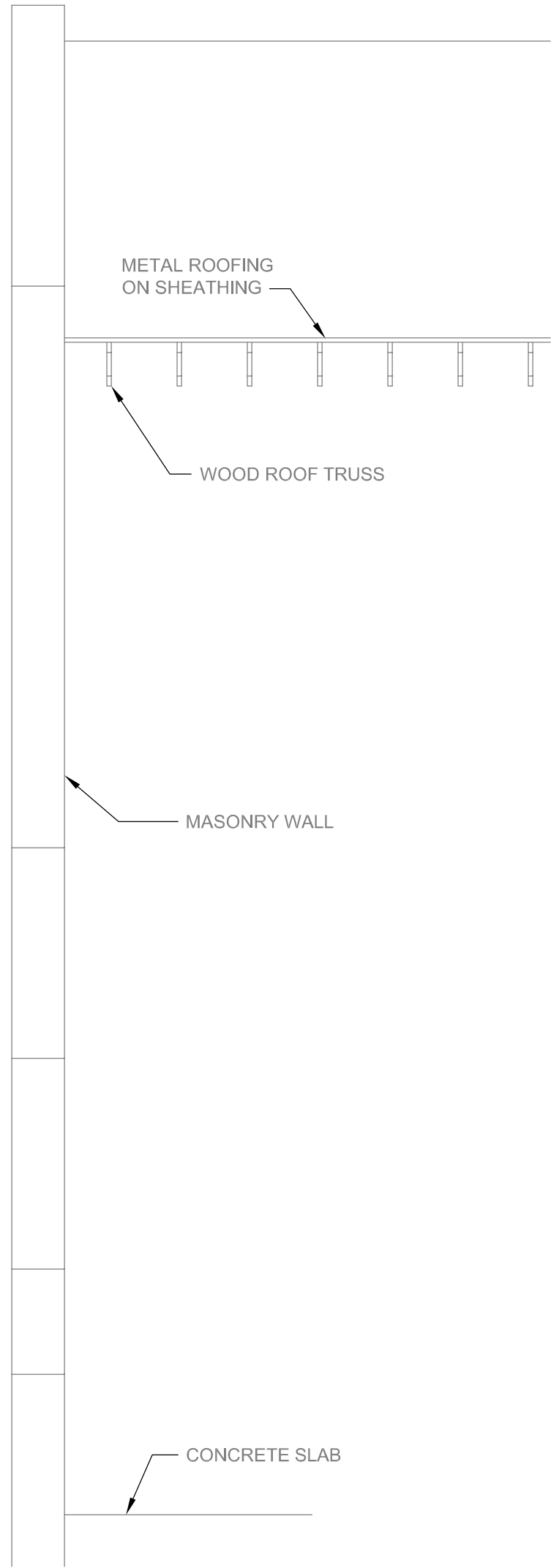
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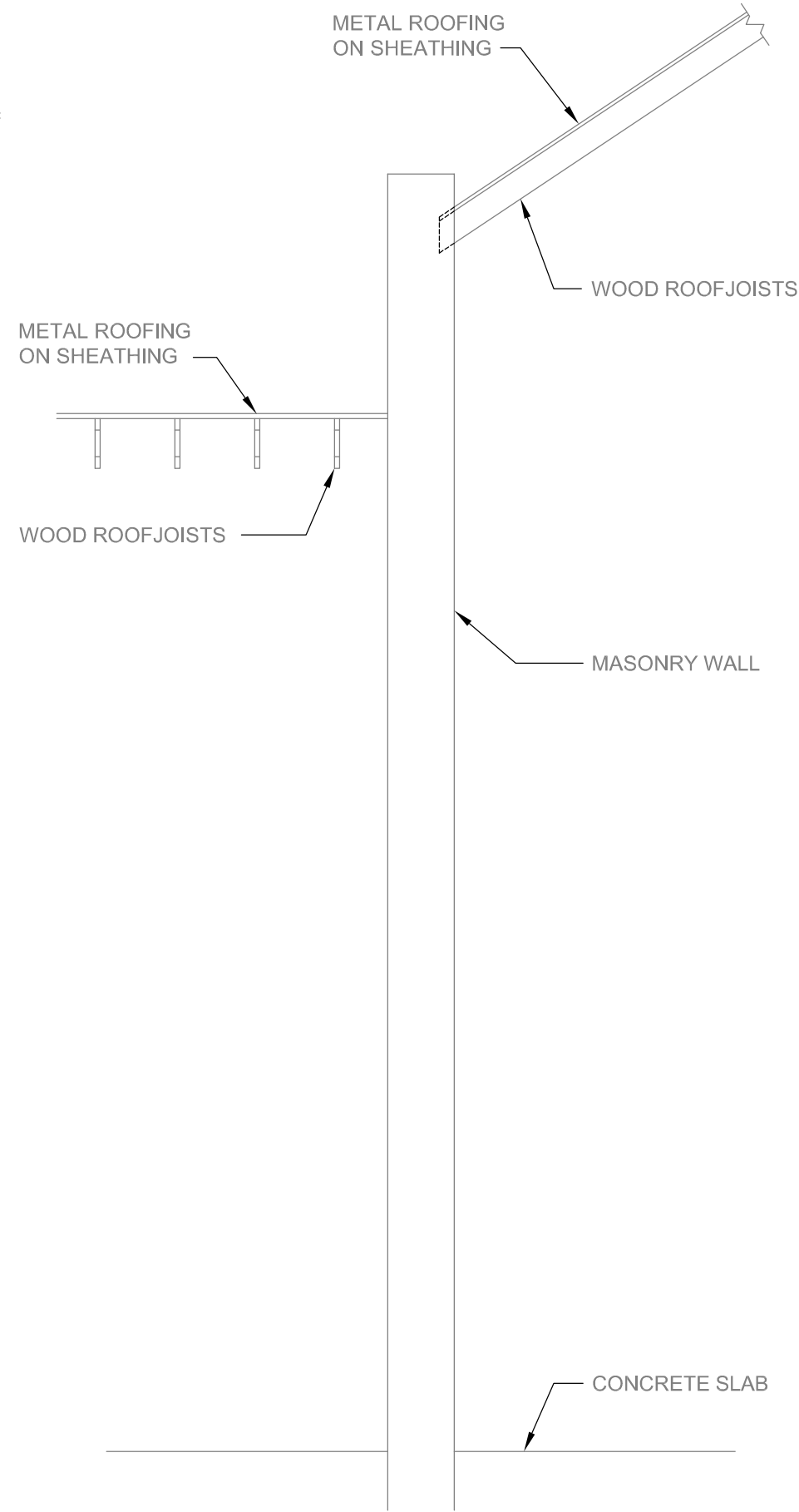
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SCALE: 1/4" = 1'-0"



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



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



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



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CHECKED BY: MJK

SHEET TITLE:

SECTIONS

SHEET NO.

S2.1

8/3/2016 11:44:07 AM



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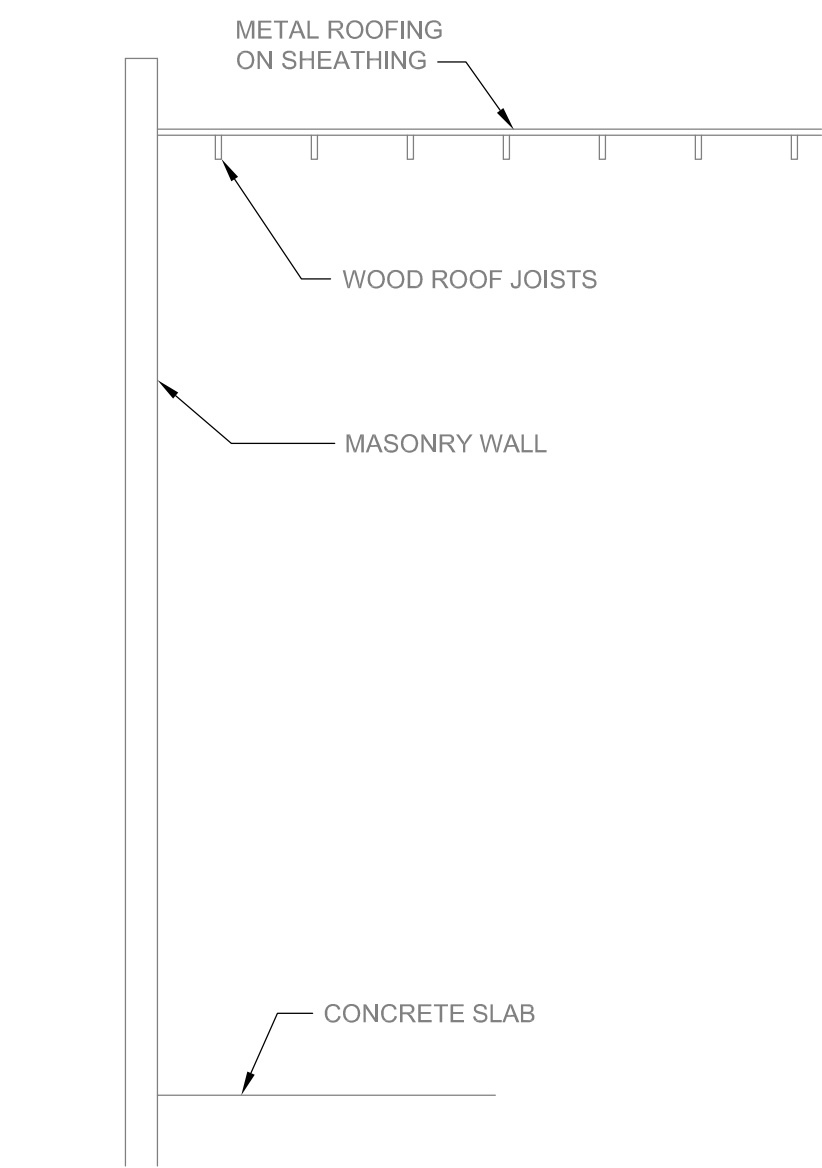
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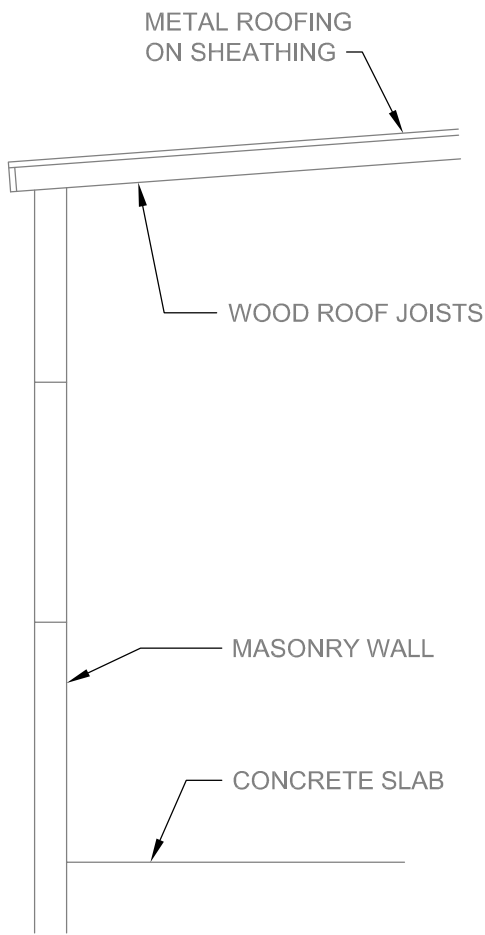
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SHEET NO.

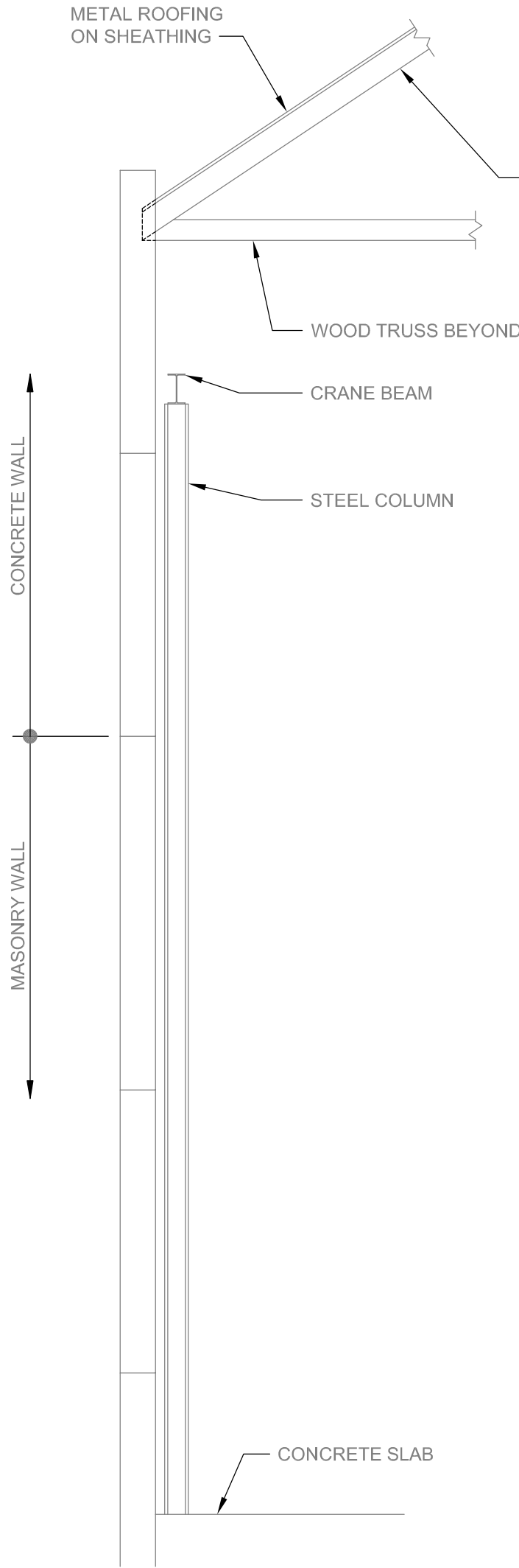
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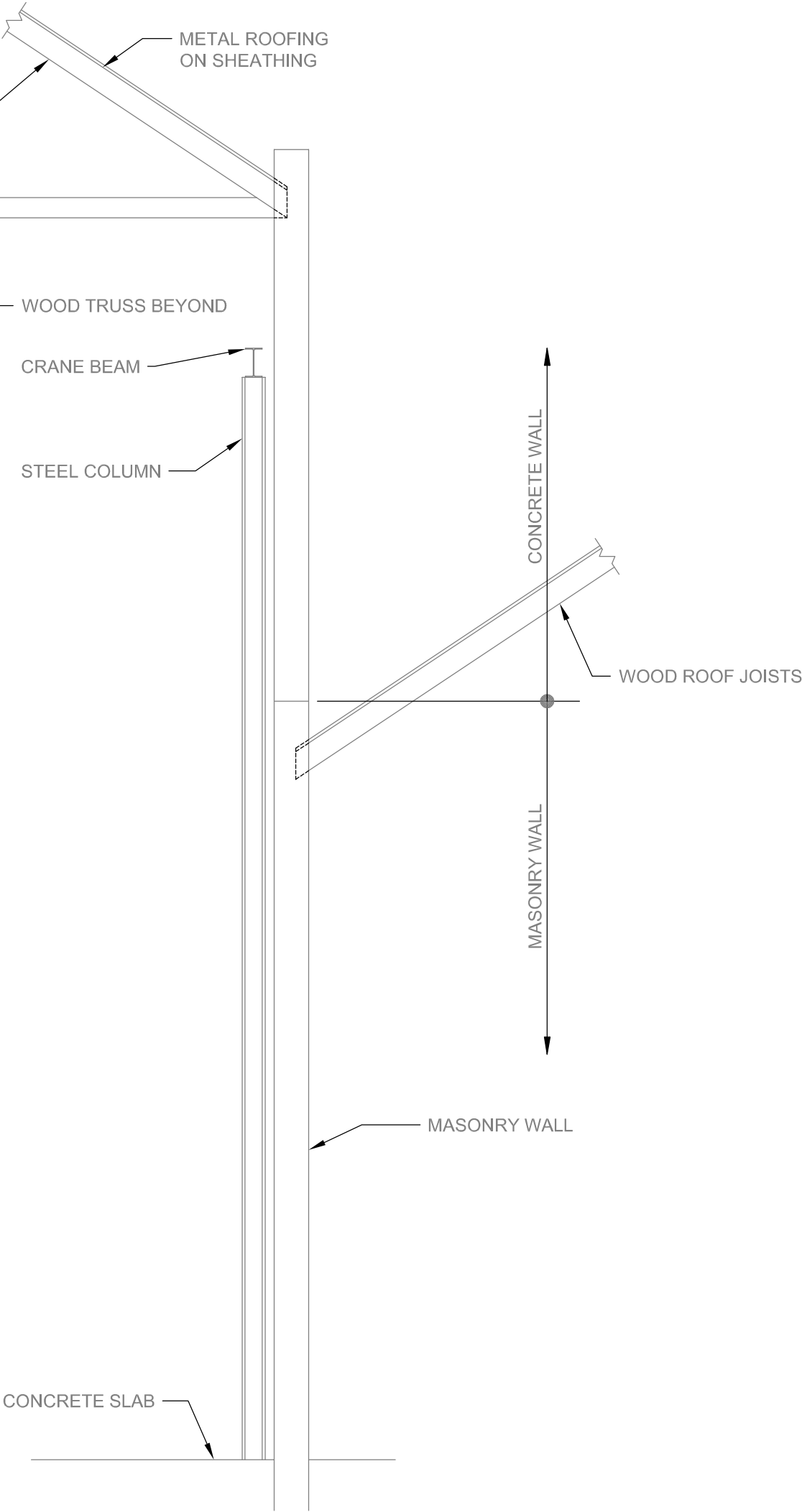
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SECTION G
SCALE: 1/4" = 1'-0"



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



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