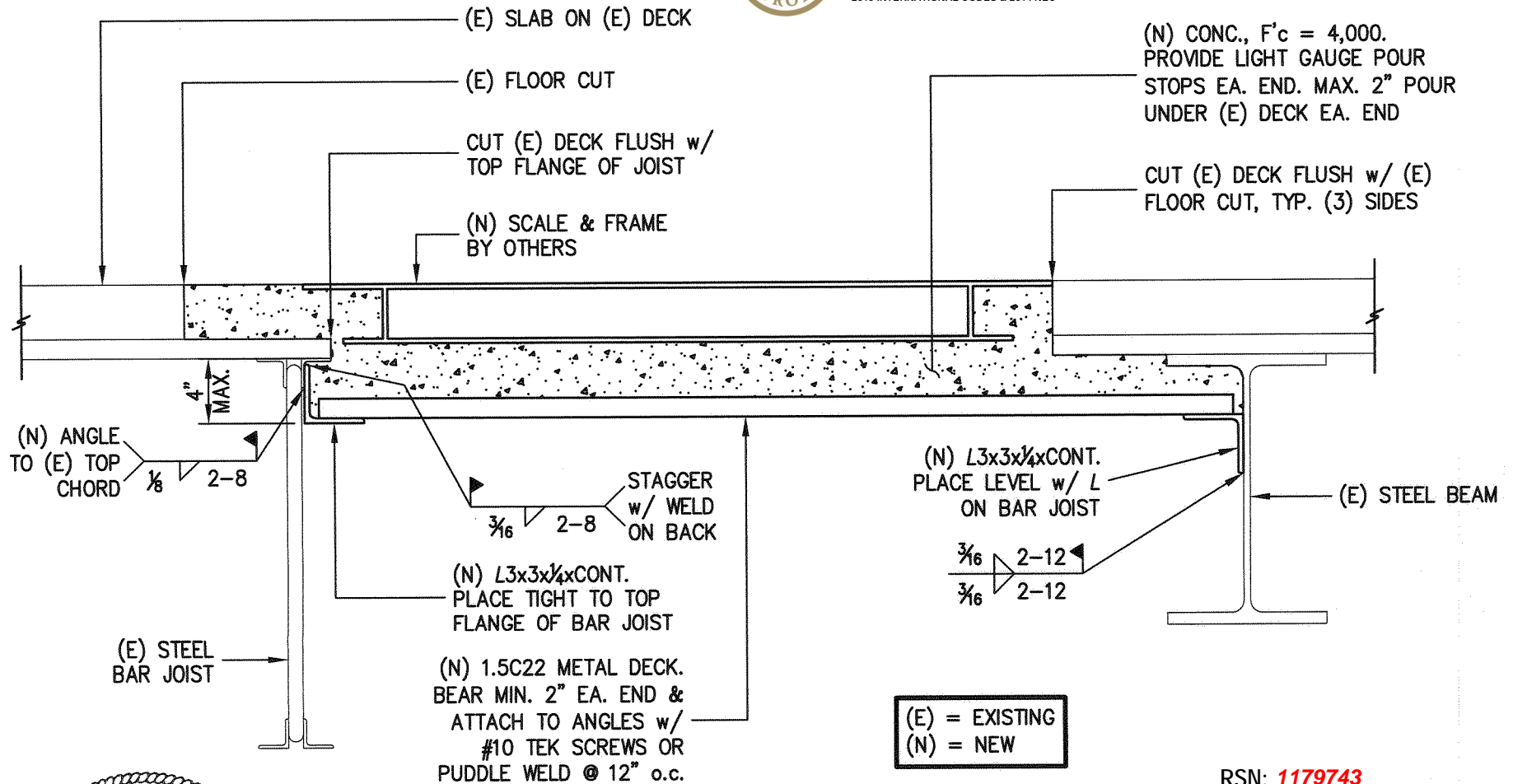


Structural plan review is limited to a general survey for code compliance. No review is implied nor was undertaken to verify structural adequacy.

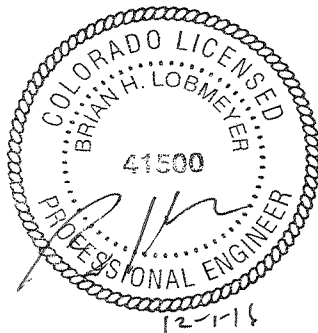
Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.



City of Aurora Building Division  
Reviewed for Code Compliance  
Approved as Noted: **jlocke**  
Date: **Jan 23, 2017**  
2015 INTERNATIONAL CODES & 2014 NEC



RSN: **1179743**  
Permit #: **17-1238786-LT**



**ANCHOR  
ENGINEERING, INC.**

2535 17th Street  
Denver, CO 80211  
(303) 783-4797  
(303) 830-9133 FAX

JOB # 160713

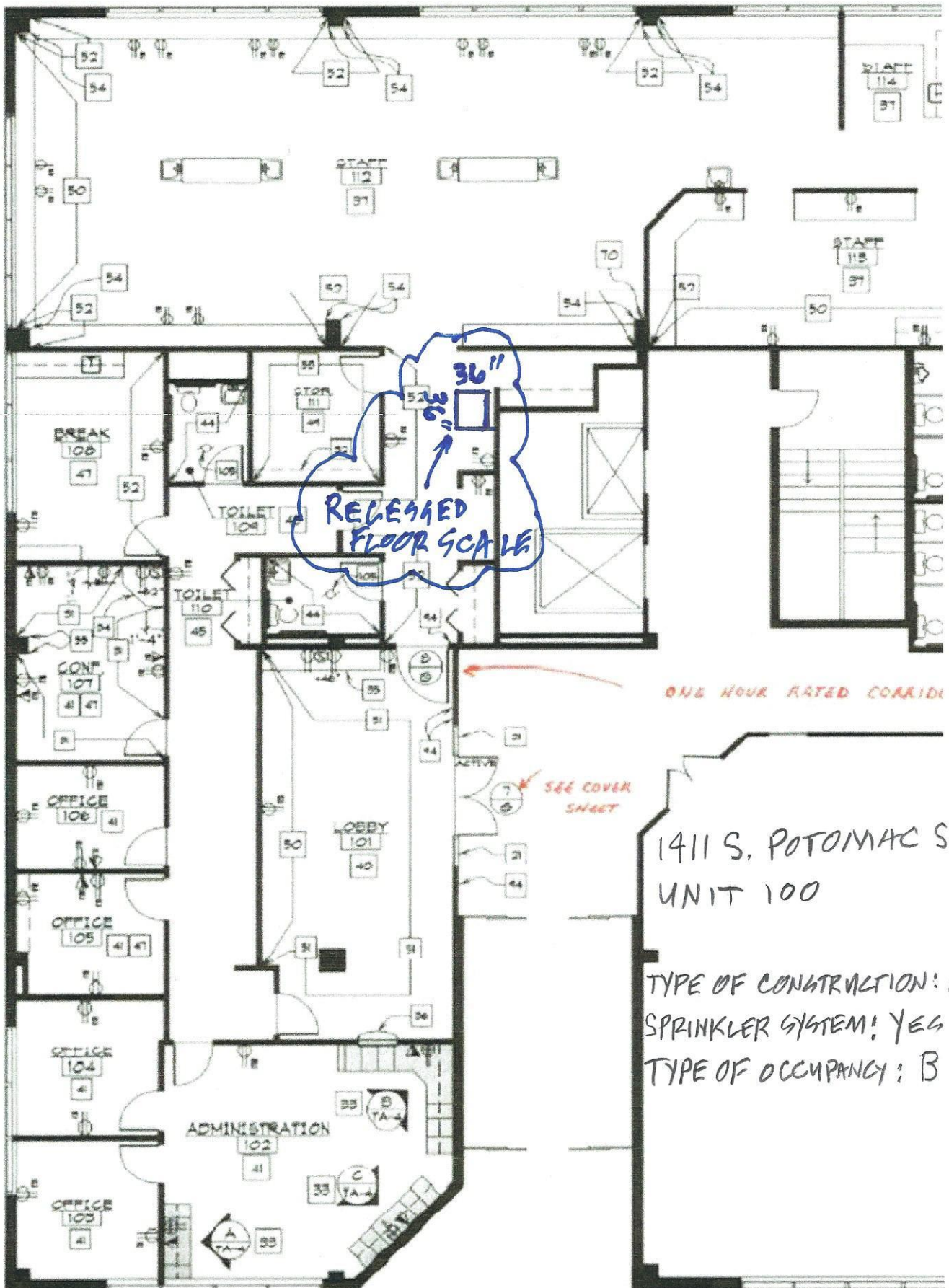
DRAWING DESCRIPTION:  
**SLAB SECTION**

**Davita - Recessed Scale**  
**1411 S. Potomac St. Ste. 100**  
**Aurora, CO 80012**

DRAWING NUMBER:  
**S-1**

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

ISSUE	DATE
SLAB SECTION	12.01.2016



1411 S. POTOMAC ST.,  
UNIT 100

TYPE OF CONSTRUCTION: 11-1HR  
SPRINKLER SYSTEM: YES  
TYPE OF OCCUPANCY: B

## STRUCTURAL CALCULATIONS

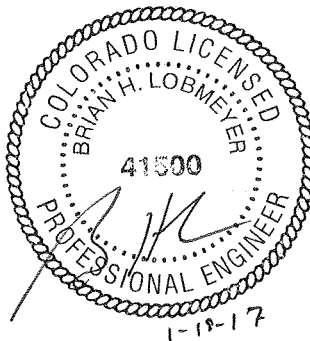
FOR

*Davita Scale*

1411 S. Potomac St; Unit 100  
Aurora, CO

1/19/17

PROJECT ENGINEER: Brian Lobmeyer, P.E.  
PROJECT NUMBER: 160713



# Anchor Engineering, Inc.

Client: \_\_\_\_\_ Project: \_\_\_\_\_  
 Job Number: \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_ Page: \_\_\_\_\_ of \_\_\_\_\_

<p><u>DAVITA</u></p>		<p><u>2015 IRC</u></p>	
<p>SCALE:</p>	<p>WT = 150 #</p>	<p>32" x 36"</p>	<p>19 psf</p>
<p>LIVE LOAD = 60 psf</p>	<p>HOSPITAL - LAB</p>		
	<p><math>60 \times 3\frac{1}{2} \times 3\frac{1}{2} = 400 \#</math></p>		
	<p>SCALE CAPACITY = 1000 # <math>\rightarrow</math> <u>125 psf LIVE</u></p>		
<p>FRAME = 3"</p>			
<p>DECK + CONCRETE = 3"</p>			
<p>DECK SPAN = JOIST <math>\rightarrow</math> BM = 48" (CL-CL)</p>	<p>= OTHER DIA = 52" (HOLE DIA + 2" + 2")</p>		
<p>LOADS TO JOIST/BM <math>\Rightarrow</math> 125 psf</p>	<p>LIVE</p>		
	<p>45 psf</p>		
	<p>19 psf</p>		
	<p>4 psf</p>		
	<p>188 psf</p>		
	<p>195</p>		
	<p><math>\times 4\frac{1}{2} = 366 \text{ psf}</math></p>		
	<p><math>= 390</math></p>		
<p>WELDS: <math>\frac{3}{16}</math> 2 @ 12 = OK</p>	<p><math>= 2.78 \text{ K/IN} = 5.5 \text{ K/FT} = \text{OK}</math></p>		
<p>L 3 x 3 x 1/4</p>	<p><math>\gg 3.90 \text{ k/ft}</math></p>		