

Submittal Transmittal

BP08 Structure Package No: 03 30 00-0007-0

Date:

Mercy Northwest Arkansas Inpatient Tower Addit Project # 003882.000	ion		Tel:	Fax:	
Transmitted To:					
David Londagin	Sta	atus	Draft		
Bates and Associates Architects	Da	te Due			
225 South Meramec					
Suite 832T					
Clayton, MO 63105					
Phone: 417-865-2065					
Description					
BP08 Level 2-7 Studrails					
Notes					
Level 2 has already been submitted, so please appro	ove levels 3-8 for this sub	omittal.			
Item # Type Description	Spec Sec	Sub Sec	Rev		Status

Item #TypeDescriptionSpec SecSub SecRev1033ShopBP08 Level 2-7 StudrailsS2 20 080DrawingsDrawingsDrawingsDrawingsDrawings

Transmitted By: Paul Allen

Copies To

Company

Contact

Received



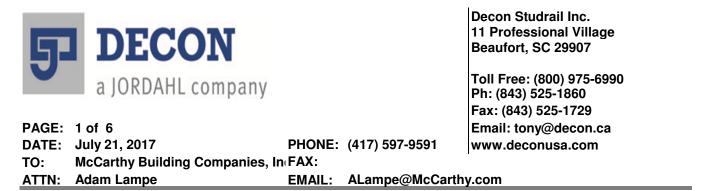
Mercy Northwest Arkansas Inpatient Tower Addition Project # 003882.000

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Tel:

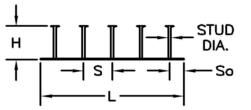
Fax:

Preparer Approval			MBC Approval	
Spec Section Sub Section Item	n No Revisi	ion	A. Approved as noted for Architectural Review	x
S2 20 08 1,0	033 0		B. Revise & Resubmit	
BP08 Level 2-7 Studra	ils		C. Rejected	
Approved for Submiss By: Paul Allen McCarthy Building Compan			This review is for general conformance with Plans and Specifications only. Any deviations from same not clearly noted by the Preparer have not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the Preparer of contractual responsibility for any error or deviation from contract requirements.	
			By: Paul Allen Date:	
			Submittal Package No: 03 30 00-0007-0	
			BP08 Level 2-7 Studrails	
Bates and Associates Architec	ts Approval		Engineer Approval	
225 South Meramec Suite 832T Clayton, MO 63105			<form><form><form></form></form></form>	



I am sending the Studrail® Placement Drawings for the MNWA CMP Hospital Bed Tower in Rogers, AR. These placement drawings were determined from Structural Drawings dated June 22, 2017. The structural engineer who designed this project should review these placement drawings. The engineer approved placement drawings will determine final manufactured quantities and pricing. Please have the purchase order reflect these approved quantities.

The Studrails® will be color coded using spray paint on one end for easy identification on-site. The colors and quantities of Studrails® are shown in the table below.



COLOR	_	SIZE	_	So	STUD	STUD	# OF	QTY
001011	Н		L		SPACING	DIA.	STUDS	~
Yellow	10 1/2	Х	24 1/2"	4 7/8"	7 3/8"	1/2	3	756
White	10 1/2	х	31 7/8''	4 7/8"	7 3/8''	1/2	4	564
Green	10 1/2	х	39 1/4"	4 7/8"	7 3/8"	1/2	5	132
Red	10 1/2	х	36 3/4"	4 7/8"	6 3/4"	1/2	5	24
Orange	10 1/2	х	53 5/8"	4 7/8"	4 7/8''	1/2	10	36
Blue	10 1/2	Х	48 3/4''	4 7/8"	4 7/8''	1/2	9	36
Brown	10 1/2	х	52 1/4"	4 7/8"	4 1/4"	1/2	11	12
								1560

If you have any questions, please do not hesitate to contact me.

Yours Sincerely, DECON®

Tony Behrens



SPECIFICATION OF DECON® STUDRAILS®

The shear studs used in the fabrication of Studrails[®] are Low Carbon Steel, C1015 to C1018 in accordance with ASTM-A108. The strength and ductility requirements are:

Yield strength:	51,000 psi minimum (350 MPa)
Tensile strength:	65,000 psi minimum (450 MPa)
Elongation in 2 in.:	20% minimum
Reduction of Area:	50% minimum

The rails used in Studrails[®] are Low Carbon Steel Type 44W with the following strength and ductility requirements:

Yield strength:	44,000 psi minimum (300 MPa)
Tensile strength:	65,000 psi minimum (450 MPa)
Elongation in 8 in.:	20% minimum

The studs are welded in accordance with American Welding Society (AWS) D1.1 and CSA Standard W59 as certified by the Canadian Welding Bureau.

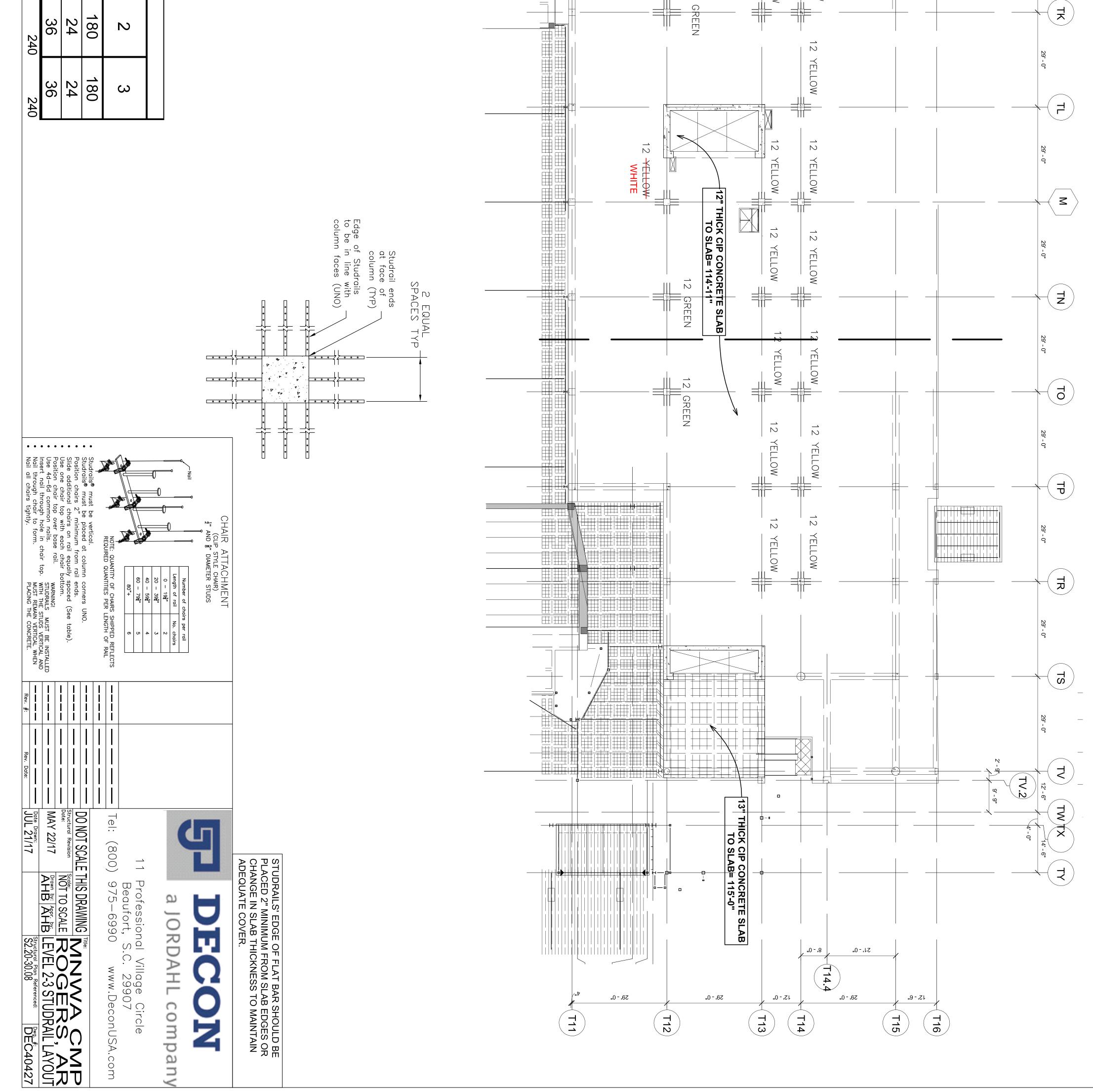
The overall height of the Studrail[®] is dependent on the slab thickness and the required concrete cover. The area of the stud head should be 10 times the stem area. The base rail profile should be as shown in ASTM A1044.

Studrails[®] should be specified in the project documents under "Section 3200 – Concrete Reinforcement". The engineer should use wording similar to the following:

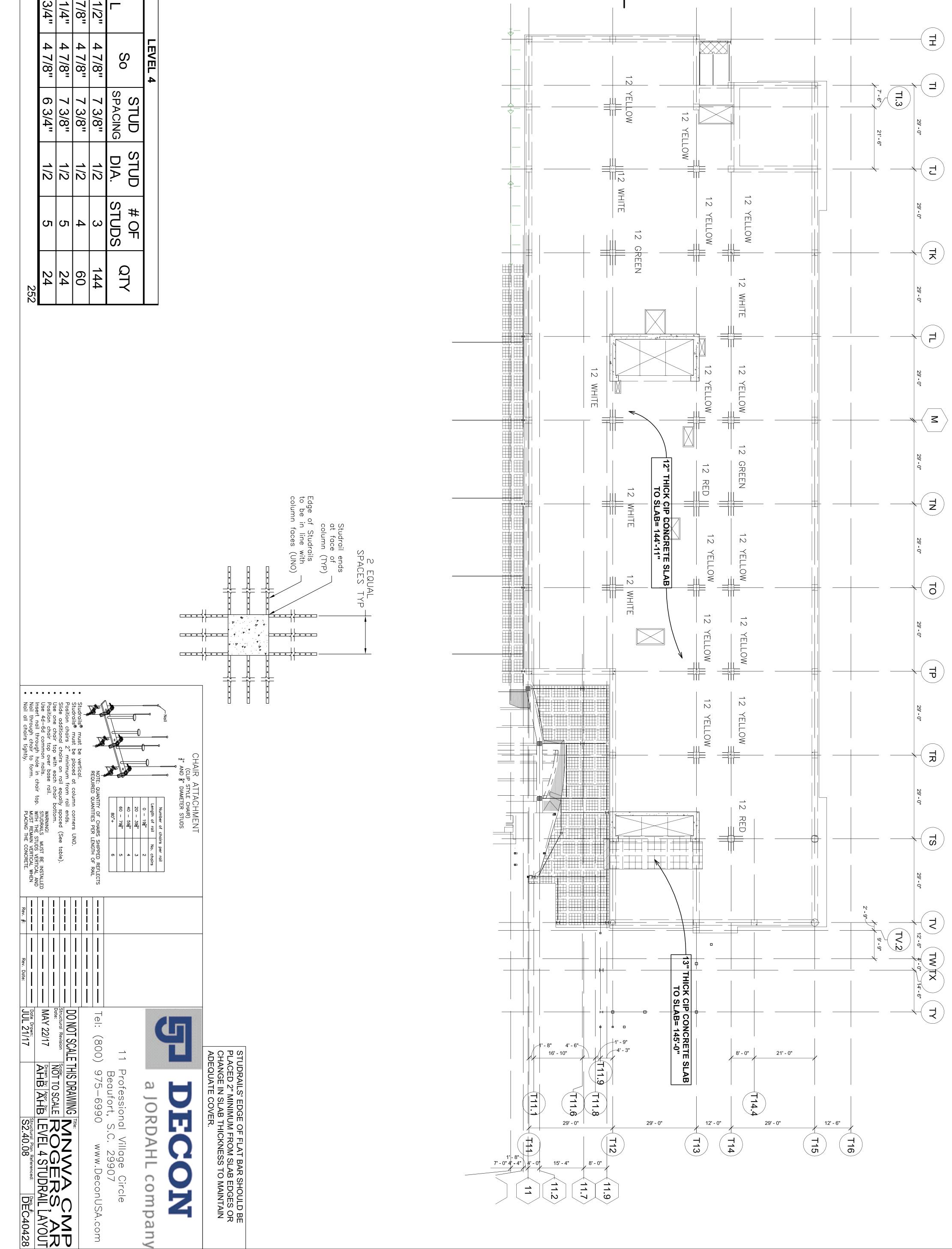
Shear Reinforcement at the slab column connection as shown on the drawings and details, shall be Studrails[®] as manufactured by Decon[®] and detailed in ICC ESR-2494. The complete and finished Studrail[®] shall be ICC ES evaluated and welding has to take place in an ICC ES audited facility. Studrails[®] shall conform to the latest update of ASTM A1044.

Decon[®] USA Inc. Sonoma, CA 866-DECON-US Decon[®] USA Inc. Beaufort, SC 800-975-6990 Decon[®] Canada. Brampton, ON 800-36-DECON

Green	Yellow White	COLOR		
10 1/2	10 1/2 10 1/2	т		
×	××	SIZE		
39 1/4"	24 1/2" 31 7/8"	-		
4 7/8"	4 7/8" 4 7/8"			
7 3/8"	7 3/8" 7 3/8"	SPACING	LEVEL 2-3	
1/2	1/2 1/2	stud DIA.		
ഗ	4 3	# OF STUDS		
72	360 48	TOTAL		12 YELLOW



	Red	Green	White	Yellow			
	10 1/2	10 1/2	10 1/2	10 1/2	т		
	×	×	×	×		SIZE	
	36 3/4"	39 1/4"	31 7/8"	24 1/2"	F		
	4 7/8"	4 7/8"	4 7/8"	4 7/8"		0	LEVEL 4
	6 3/4"	7 3/8"	7 3/8"	7 3/8"	SPACING	STUD	
	1/2	1/2	1/2	1/2	DIA.	STUD	
	5	ഗ	4	3	STUDS	# OF	
010	24	24	60	144		VTO	



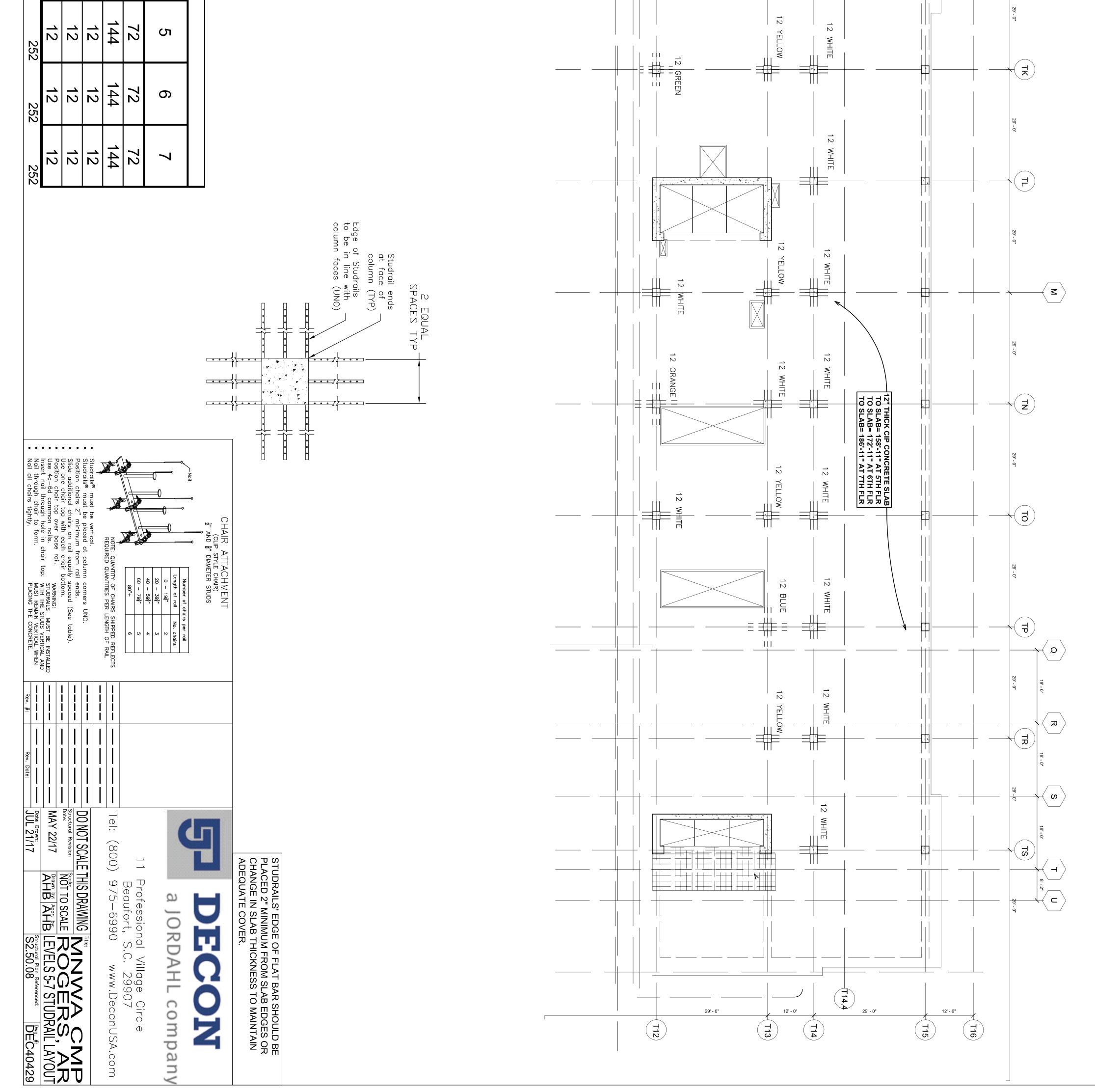
10 1/2 x 24 1/2" 4 7/8" 7 3/8" 1/2 10 1/2 x 31 7/8" 4 7/8" 7 3/8" 1/2 10 1/2 x 31 7/8" 4 7/8" 7 3/8" 1/2				
x 24 1/2" 4 7/8" 7 3/8" 1/2 3 x 31 7/8" 4 7/8" 7 3/8" 1/2 3 x 31 7/8" 4 7/8" 7 3/8" 1/2 3	Green Orange	White	Yellow	COLOR
24 1/2" 4 7/8" 7 3/8" 1/2 3 31 7/8" 4 7/8" 7 3/8" 1/2 3 30 1/4" 4 7/8" 7 3/8" 1/2 4	10 1/2 10 1/2	10 1/2	10 1/2	I
1/2" 4 7/8" 7 3/8" 1/2 3 7/8" 4 7/8" 7 3/8" 1/2 3 1/1/1" 4 7/8" 7 3/8" 1/2 4	××	×	×	SIZE
7/8" 7 3/8" 1/2 3 7/8" 7 3/8" 1/2 3 7/8" 7 3/8" 1/2 4 7/0" 7 3/8" 1/2 4	39 1/4" 53 5/8"			 -
7 3/8" 1/2 3 7 3/8" 1/2 4	4 7/8"			С, О
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216	ഗ	4		STUDS
	36	432		: i

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COLOR Vellow Brown	
H H H H H H H H H H H H H H H H H H H	
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24 1/2" 52 1/4"	
LEVEL 8 4 7/8" 50	
STUD SPACING 7 3/8" 7 3/8"	
1/2 STUD	
11 4 3 STUDS 4	
QTY 12 72	

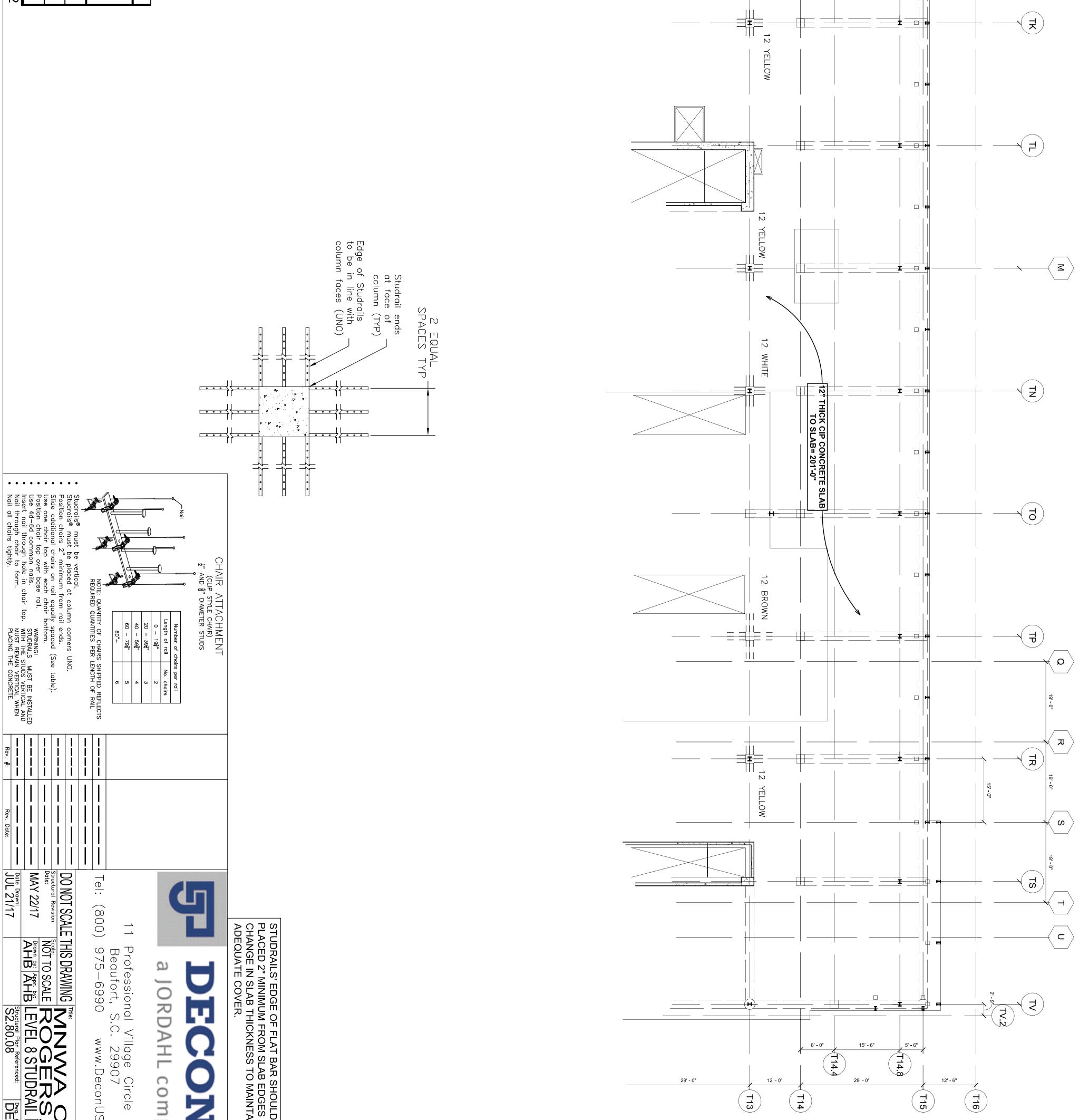


Image: Hold Structural Revision 11 Professional Village Circle Image: Hold Structural Revision Tel: (800) 975-6990 www.DeconUSA.com Image: Hold Structural Revision Sodie: To SCALE THIS DRAMING Image: Hold Structural Revision Image: Hold Structural Revision Image: Hold Structural Revision Sodie: To SCALE May 22/17 Image: Hold Structural Revision Image: Hold Structural Revision May 22/17 May 22/17 Image: Hold Structural Revision Image: Hold Structural Revision May 22/17 Image: Hold Structural Revision Image: Hold Structural Revision		0 - 59% 4 0 - 79% 5 80"+ 6 00F CHAIRS SHIPPED REFLECTS REFLECTS ITTIES PER LENGTH corners UNO. ends. spaced (See spaced (See studralLS MUST WARNING! WARNING! WITH THE STUDRAILS MUST WITH THE STUDRAILS MUST BE INSTALLED	0 - 59‡" 0 - 79‡" 80"+ 80"+ 11TIES PER LI 11TIES PER LI 11TI
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ADEQUATE COVER.	_		
PLACED 2" MINIMUM FROM SLAB EDGES OR			
STUDRAILS' EDGE OF FLAT BAR SHOULD BE			