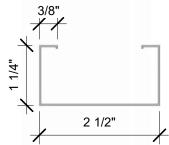
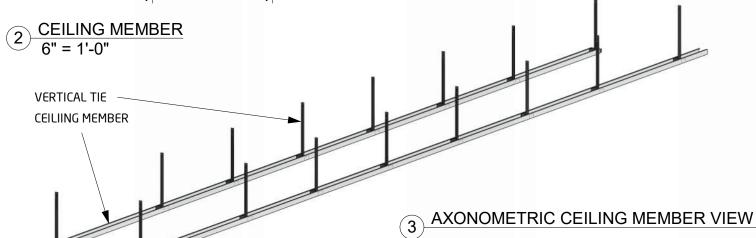


1 1/2" = 1'-0"





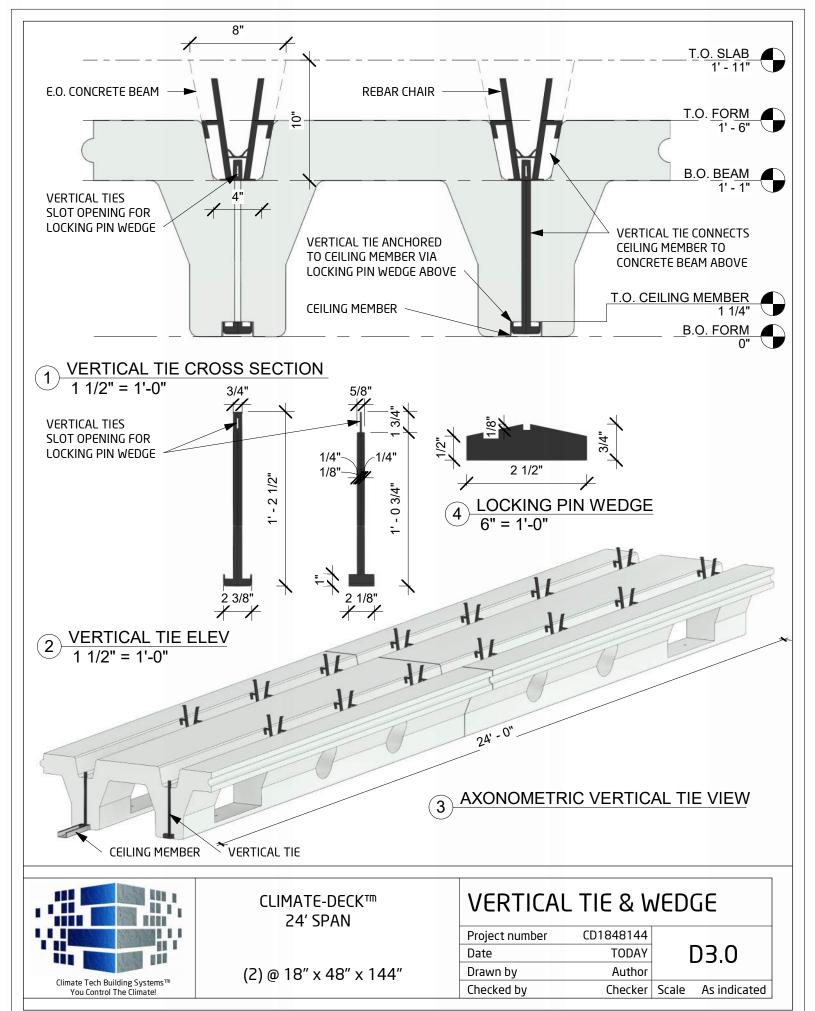


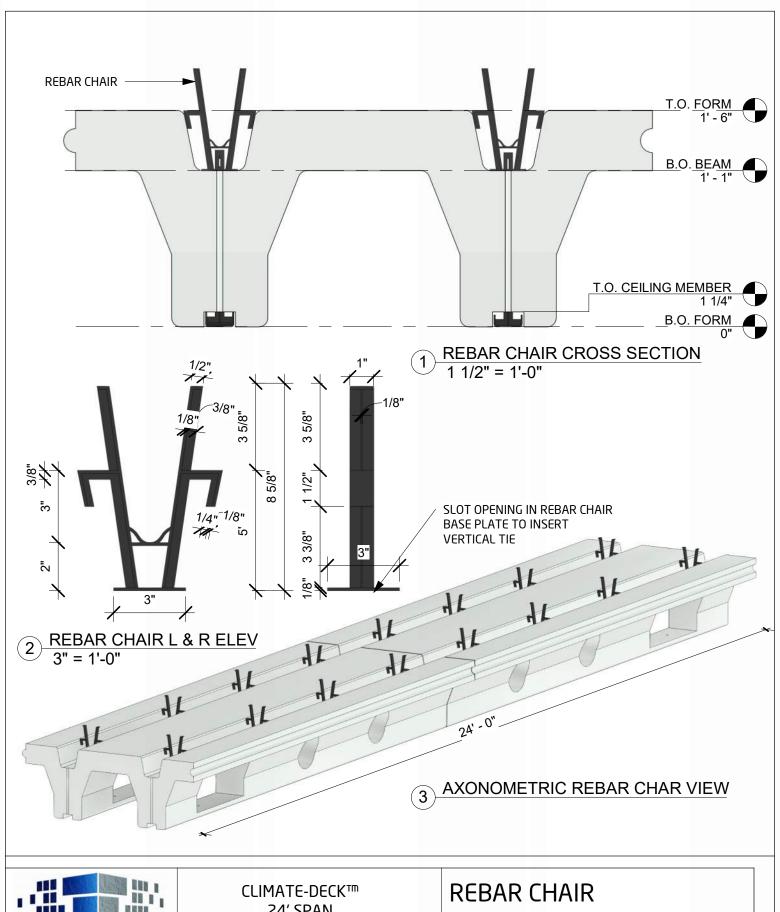
CLIMATE-DECK™ 24' SPAN

(2) @ 18" x 48" x 144"

CEILING CONNECTION

Project number	CD1848144		
Date	TODAY		D2.0
Drawn by	Author	•	
Checked by	Checker	Scale	As indicated







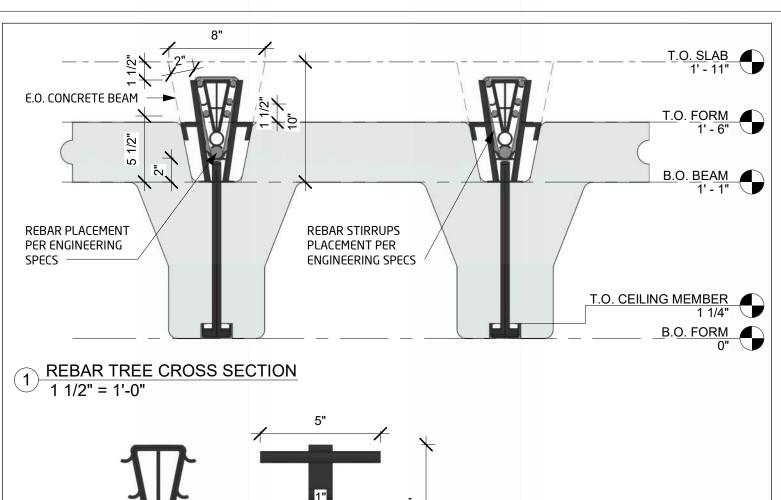
24' SPAN

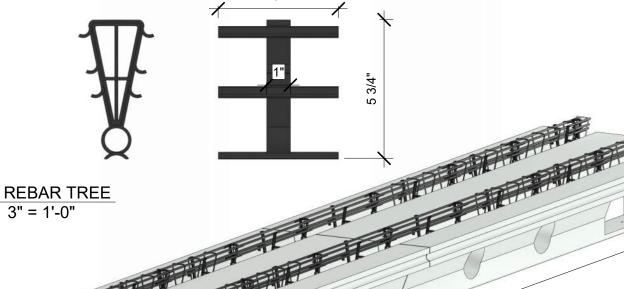
(2) @ 18" x 48" x 144"

Project number	CD1848144	
Date	TODAY	
Drawn by	Author	
Checked by	Checker	Scale

As indicated 5/29/2023 8:43:27 PM

D4.0





3 AXONOMETRIC REBAR TREE VIEW
SEE STRUCTURAL ENGINEERS SPECIFICATIONS

24' - 0"

DCDAD TDCC

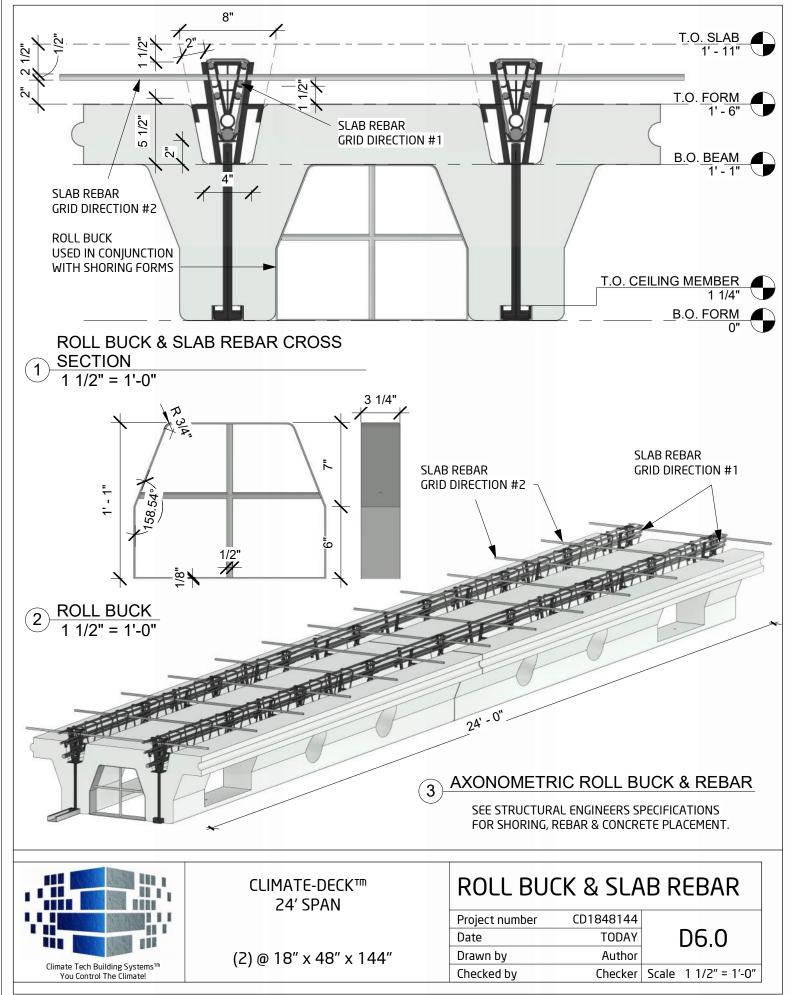


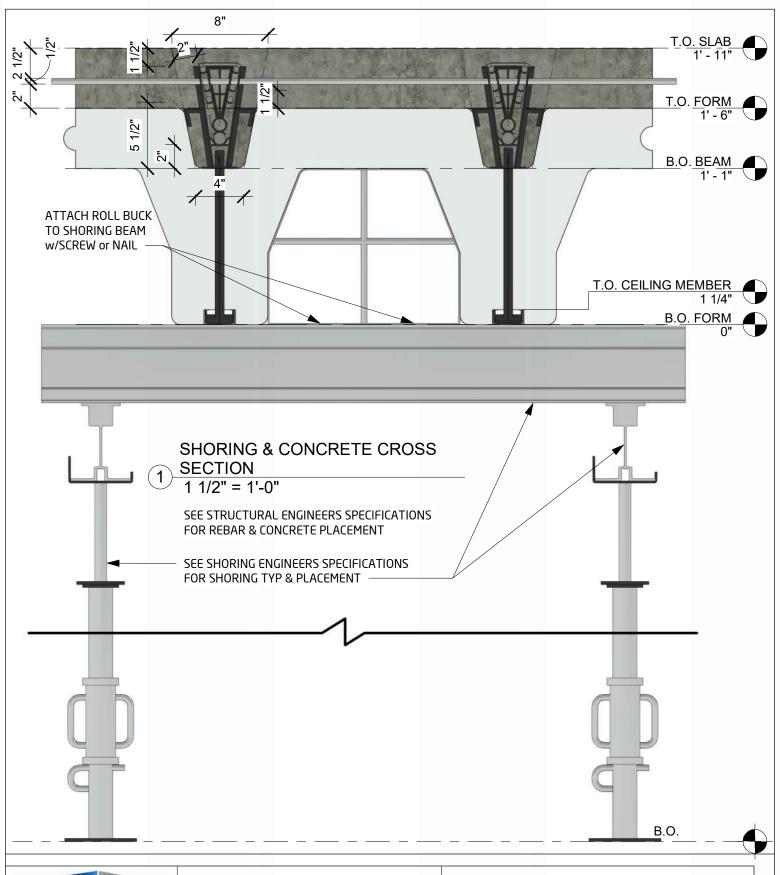
CLIMATE-DECK™ 24' SPAN

(2) @ 18" x 48" x 144"

KEBAK IKEE			
Project number	CD1848144		
Date	TODAY	D5.0	
Drawn by	Author		
Checked by	Checker	Scale	As indicated

FOR SHORING, REBAR & CONCRETE PLACEMENT.





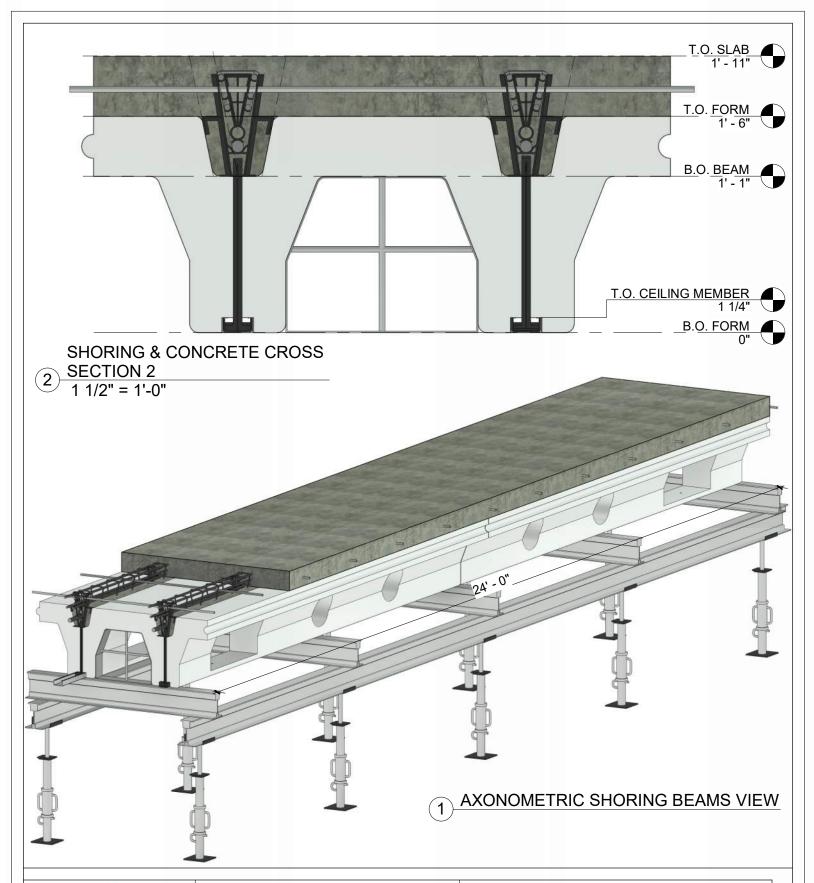


CLIMATE-DECK™ 24' SPAN

(2) @ 18" x 48" x 144"

SHORING & CONCRETE

Project number	CD1848144	
Date	TODAY	D7.0
Drawn by	Author	
Checked by	Checker	Scale 1 1/2" = 1'-0"



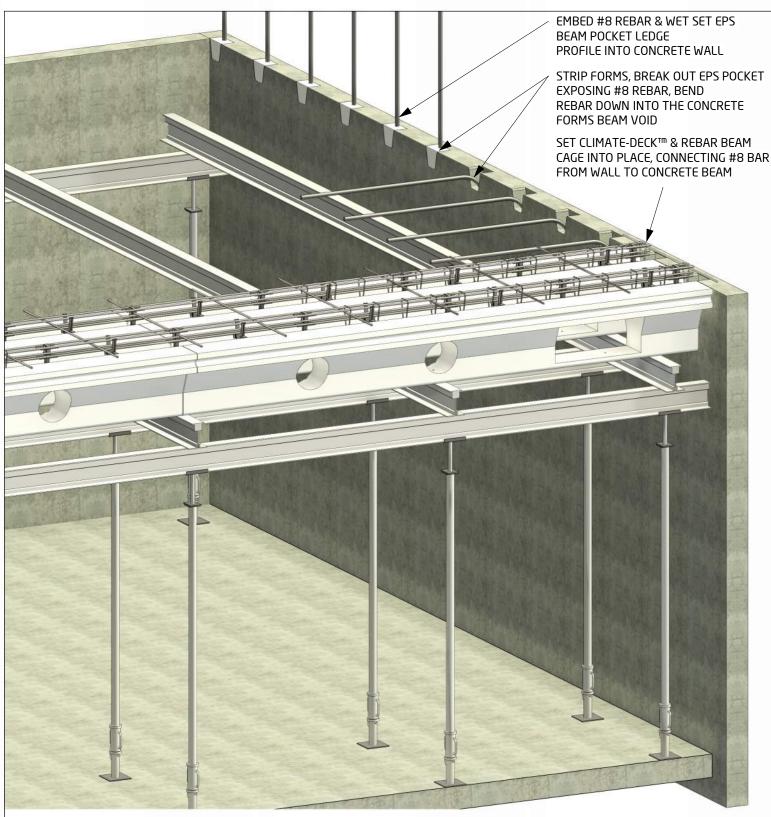


CLIMATE-DECK™ 24' SPAN

(2) @ 18" x 48" x 144"

SHORING & CONCRETE

Project number	CD1848144	
Date	TODAY	D7.1
Drawn by	Author	
Checked by	Checker	Scale 1 1/2" = 1'-0"



1 FLOOR TO WALL BEAM VIEW



CLIMATE-DECK™ 24' SPAN

(2) @ 18" x 48" x 144"

BEAM POCKET VIEW

Project number	CD1848144	
Date	TODAY	D8.0
Drawn by	AJ	3 3.3
Checked by	AJ	Scale

Concrete Beam

File: Concrete floor design.ec6 Software copyright ENERCALC, INC. 1983-2020, Build:12.20.8.2

Lic. #: KW-06014113

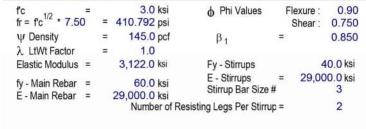
DESCRIPTION: typ 24' span

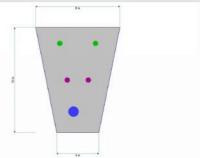
CODE REFERENCES

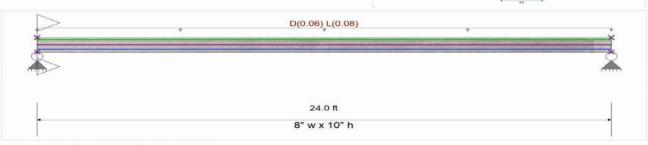
Calculations per ACI 318-14, IBC 2018, CBC 2019, ASCE 7-16

Load Combination Set: ASCE 7-16

Material Properties







Cross Section & Reinforcing Details

Trapezoidal Section, TopWidth = 8.0 in, Bottom Width = 4.0 in, Height = 10.0 in Span #1 Reinforcing....

1-#8 at 2.0 in from Bottom, from 0.0 to 24.0 ft in this span 2-#4 at 5.0 in from Bottom, from 0.0 to 24.0 ft in this span

2-#4 at 1.50 in from Top, from 0.0 to 24.0 ft in this span

Beam self weight calculated and added to loads

Load for Span Number 1

Uniform Load: D = 0.030, L = 0.040 ksf, Tributary Width = 2.0 ft

DESIGN SUMMARY

Maximum Bending Stress Ratio =	0.670 : 1
Section used for this span	Typical Section
Mu : Applied	19.620 k-ft
Mn * Phi : Allowable	29.303 k-ft
Location of maximum on span	12.022 ft
Span # where maximum occurs	Span # 1

m Deflection
ownward Transient Deflection
pward Transient Deflection
lownward Total Deflection
pward Total Deflection

	307	
0.625 in	Ratio =	460 >= 36
0.000 in	Ratio =	0 < 360
1.735 in	Ratio =	165 >= 150
0.000 in	Ratio =	0<150

Design OK

Vertical Reactions

Load Combination	Support 1	Support 2
Overall MAXimum	2.405	2.405
Overall MINimum	0.867	0.867
+D+H	1.445	1.445
+D+L+H	2.405	2.405
+D+Lr+H	1.445	1.445
+D+S+H	1.445	1.445
+D+0.750Lr+0.750L+H	2.165	2.165
+D+0.750L+0.750S+H	2.165	2.165
+D+0.60W+H	1.445	1.445
+D+0.750Lr+0.750L+0.450W+H	2.165	2.165
+D+0.750L+0.750S+0.450W+H	2.165	2.165
+0.60D+0.60W+0.60H	0.867	0.867

Support notation : Far left is #1

Climate Tech Building Systems™ You Control The Climate!

CLIMATE-DECK™ 24' SPAN

(2) @ 18" x 48" x 144"

Structural Detail

Project number	CD1848144	
Date	TODAY	SD-100
Drawn by	Author	
Checked by	Checker	Scale

5/29/2023 8:43:35 PM