



# STRUCTURAL UPGRADES RIGGING GRID COVER SHEET

Issue for Bid - Worcester, MA - 12/10/2025

PACKAGE CODES:		
<input checked="" type="checkbox"/>	=	NOT ISSUED
<input type="radio"/>	=	FOR REFERENCE
<input checked="" type="checkbox"/>	=	FOR CONSTRUCTION

SHEET INDEX		
NO	NAME	ISSUE FOR BID
GENERAL	X-0 COVER SHEET	<input type="radio"/>
1		
STRUCTURAL		
S0-1	GENERAL NOTES	<input type="radio"/>
S0-2	RIGGING GUIDELINE PLAN	<input type="radio"/>
S0-3	FALL ARREST PLAN	<input type="radio"/>
S1-1	BOTTOM CHORD OVERALL PLAN	<input type="radio"/>
S1-2	RIGGING GRID OVERALL PLAN	<input type="radio"/>
S1-3	DEMOLITION OVERALL PLAN	<input type="radio"/>
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S3-1	STEEL DETAILS	<input type="radio"/>
S3-2	STEEL DETAILS	<input type="radio"/>
S0-1	DEMO - BOTTOM CHORD OVERALL PLAN	<input type="radio"/>
10		
11		

**POPULOUS®**

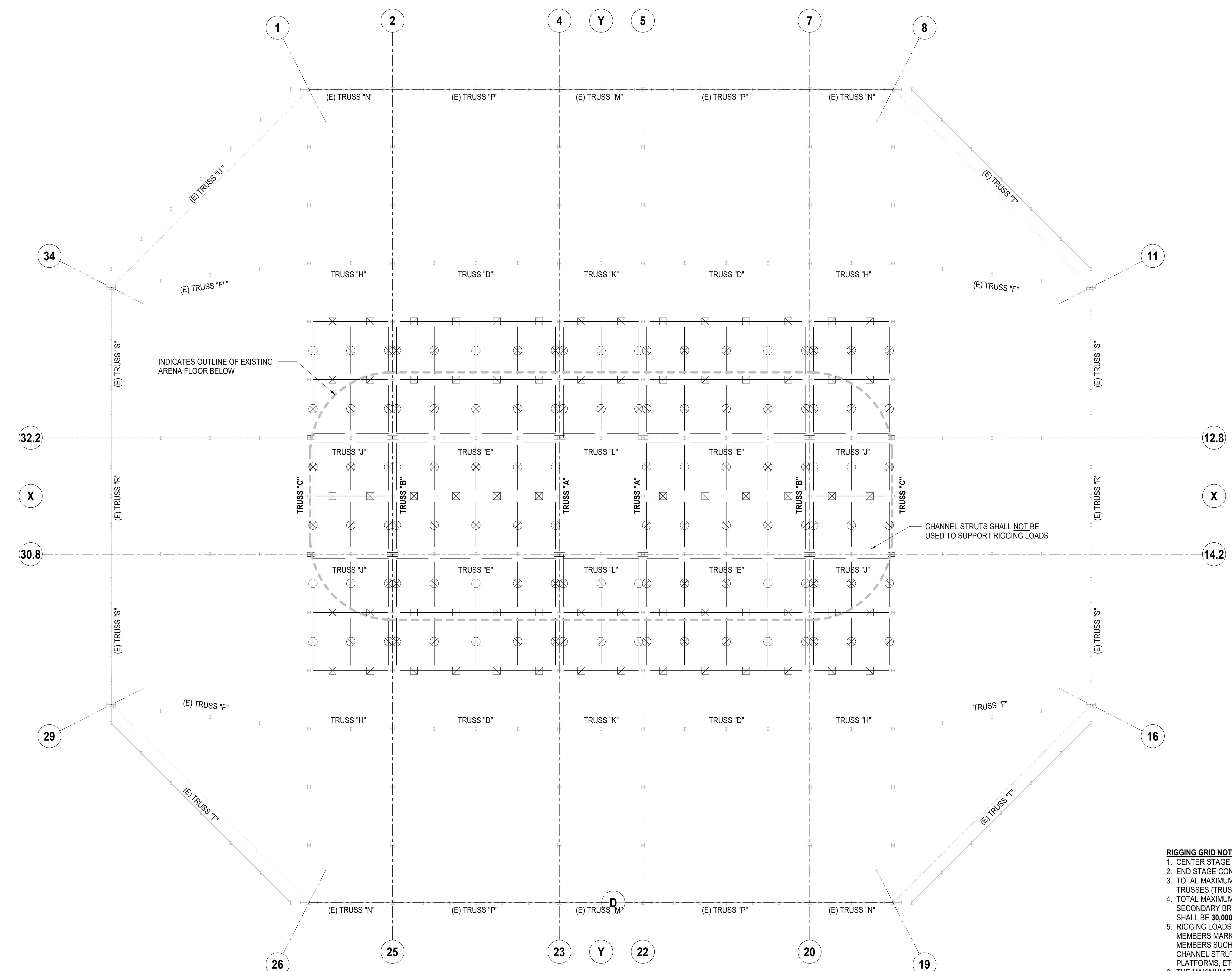
Project Number: 23.5724

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MEP/FP engineer  
Vanderwell  
274 Summer Street  
Boston, MA 02210  
617.423.7423





**RIGGING GRID NOTES:**

- CENTER STAGE CONFIGURATION - 120,000 LB TOTAL RIGGING CAPACITY
- END STAGE CONFIGURATION - 120,000 LB TOTAL RIGGING CAPACITY
- TOTAL MAXIMUM ALLOWABLE RIGGING LOAD TRIBUTARY TO PRIMARY TRUSSES (TRUSSES "A", "B" AND "C") SHALL BE 60,000 LBS.
- TOTAL MAXIMUM ALLOWABLE RIGGING LOAD TRIBUTARY TO SECONDARY BRACING TRUSSES (TRUSSES "D", "E", "H", "J", "K" AND "L") SHALL BE 30,000 LBS.
- RIGGING LOADS MAY BE APPLIED ONLY TO RIGGING GRID LEVEL MEMBERS MARKED  OR  ON THE RIGGING LOAD PLAN. NO OTHER MEMBERS SUCH AS TRUSS BOTTOM CHORDS, TRUSS DIAGONALS, CHANNEL STRUTS, BRACING MEMBERS, ROOF BEAMS, CATWALKS OR PLATFORMS, ETC. SHALL BE USED TO SUSPEND RIGGING LOADS.
- THE MAXIMUM TOTAL LOAD ON ANY BEAM SPAN SECTION DESIGNATED WITH  SHALL BE 5,000 LBS. THE LOAD MAY BE APPLIED AS A SINGLE POINT LOAD OR DISTRIBUTED IN ANY MANNER ALONG THE SPAN. THE MAXIMUM ANGLE FROM VERTICAL THAT A LOAD MAY BE APPLIED IS 45°.
- THE MAXIMUM TOTAL LOAD ON ANY BEAM SPAN SECTION DESIGNATED WITH  SHALL BE 5,000 LBS. THE LOAD MAY BE APPLIED AS A SINGLE POINT LOAD OR DISTRIBUTED IN ANY MANNER ALONG THE SPAN. THE LOAD MAY BE APPLIED AS A DEAD HANG ONLY.

**1 RIGGING GUIDELINE PLAN**

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

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12/10/2025 | POPULOUS

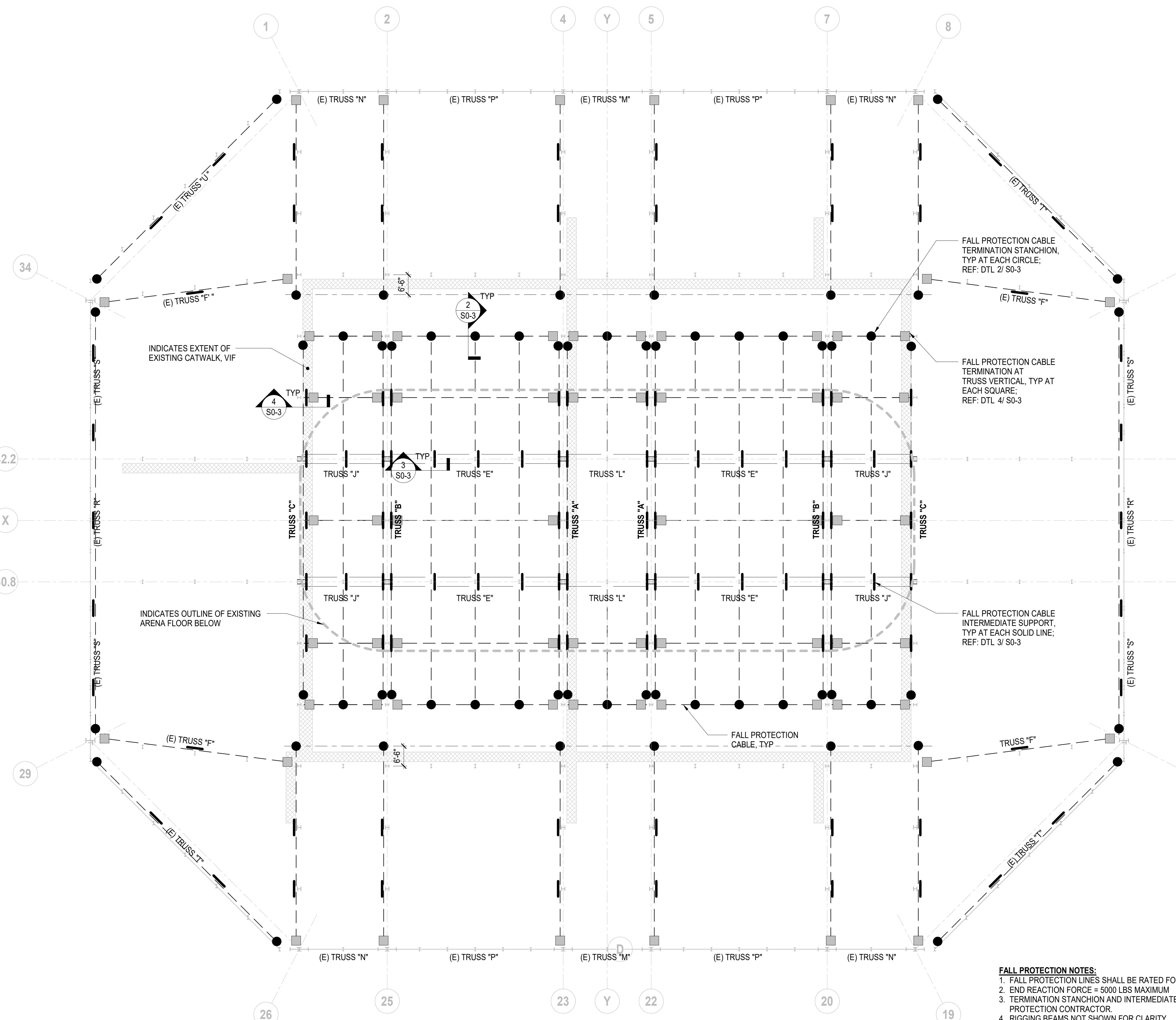
PROJECT NUMBER | PAPER SIZE

Q22077.00 | E1

ISSUED NAME

# **1 FALL ARREST PLAN**

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



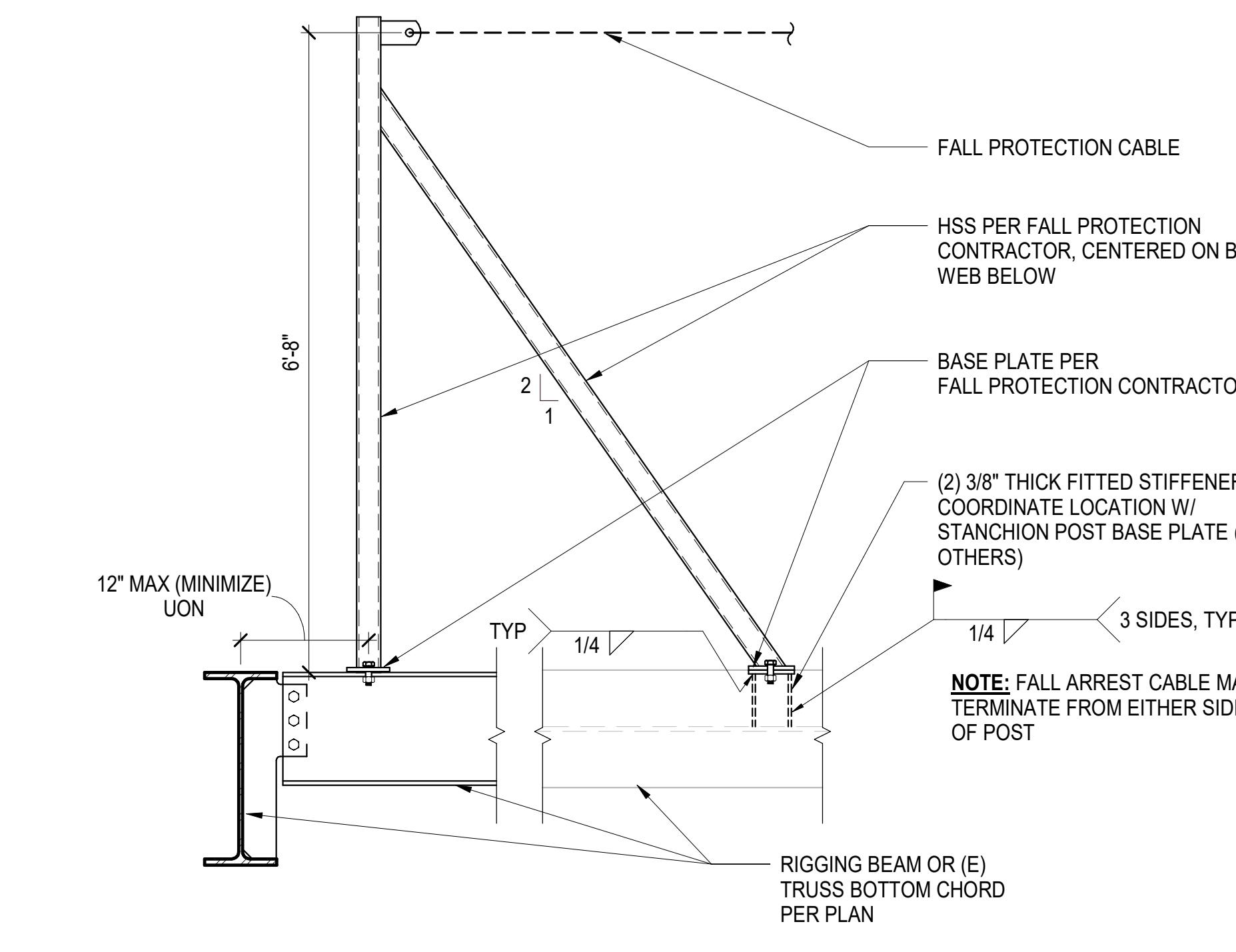
**FALL PROTECTION NOTES:**

1. FALL PROTECTION LINES SHALL BE RATED FOR 2 USERS PER SUBSPAN.
2. END REACTION FORCE = 5000 LBS MAXIMUM
3. TERMINATION STANCHION AND INTERMEDIATE CABLE SUPPORT BY FALL PROTECTION CONTRACTOR.
4. RIGGING BEAMS NOT SHOWN FOR CLARITY.

# PER PLAN

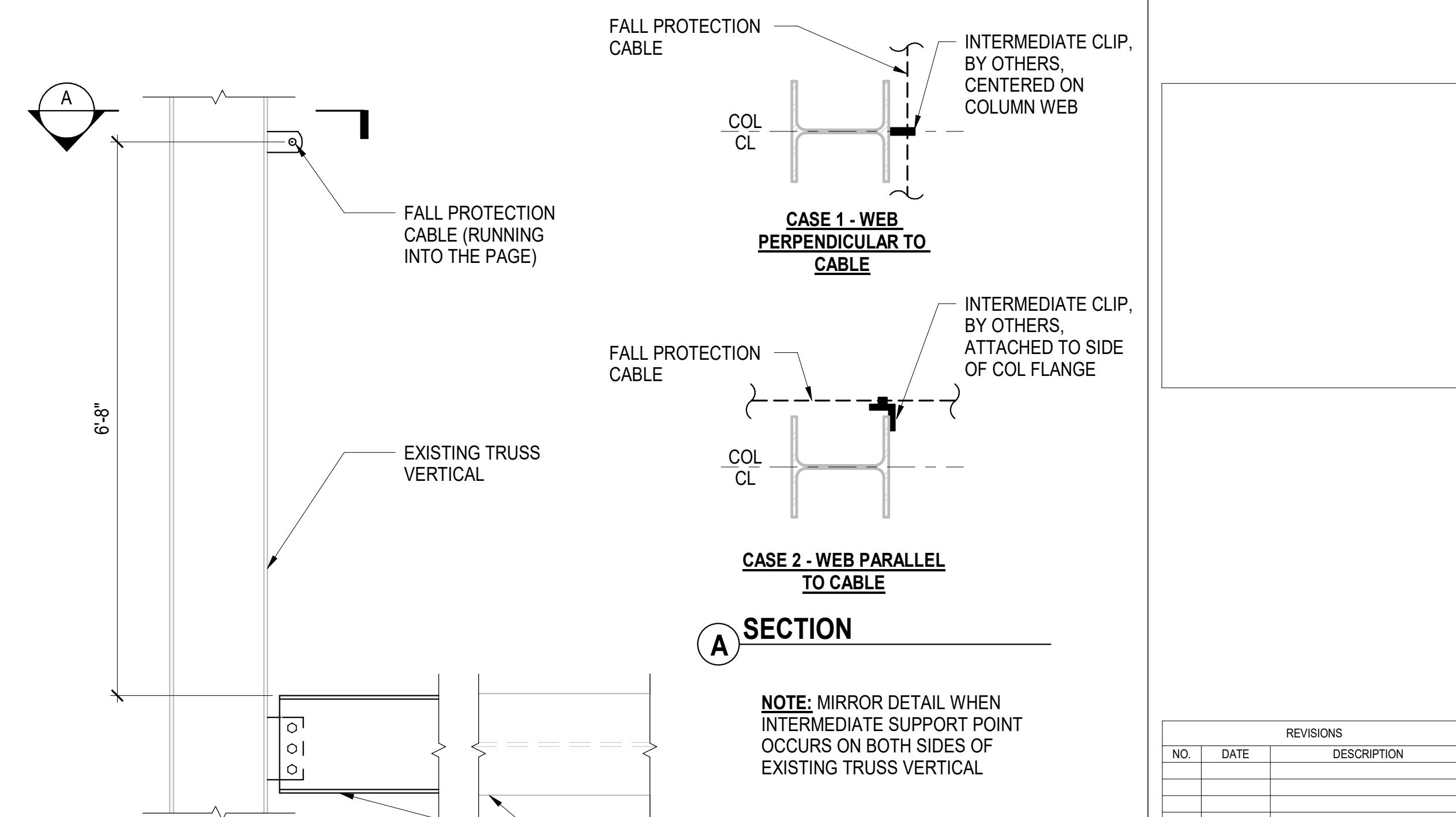
## 4 FALL PROTECTION CABLE TERMINATION AT TRUSS VERTICAL

4 PAGE TWO



# 2 FALL PROTECTION CABLE TERMINATION STANCHION

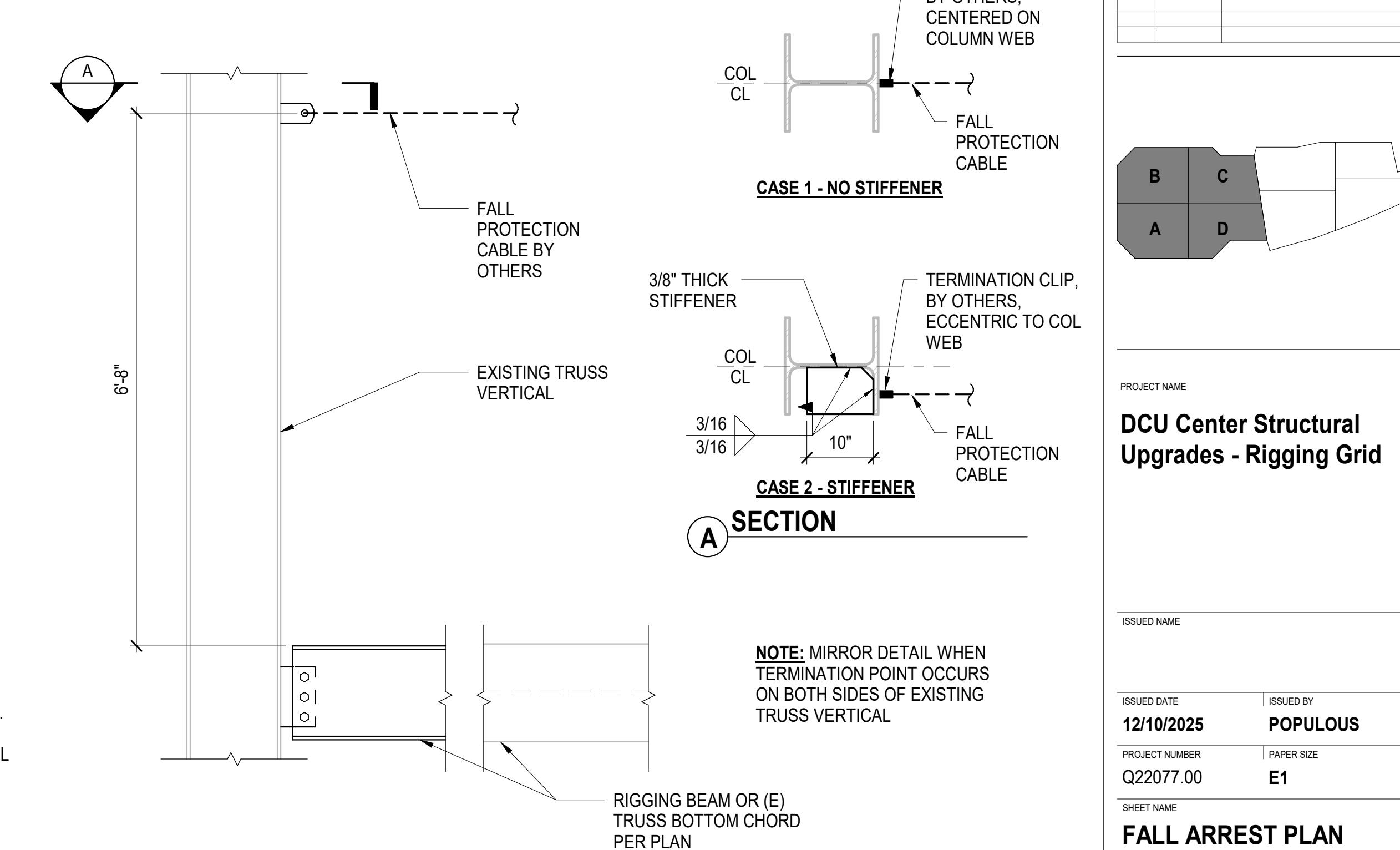
SCALE: 3/4" = 1'-0"



# PER PLAN

## 2 FALL PROTECTION CABLE INTERMEDIATE SUPPORT

3 SCALE: 3/4" = 1'-0"



# PROJECT NAME

# DCU Center Structural Upgrades, Rigging, Cris

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ISSUED DATE | ISSUED BY

**12/10/2025** **POPULOUS**  
PROJECT NUMBER | PAPER SIZE  
**Q22077.00** | **F1**

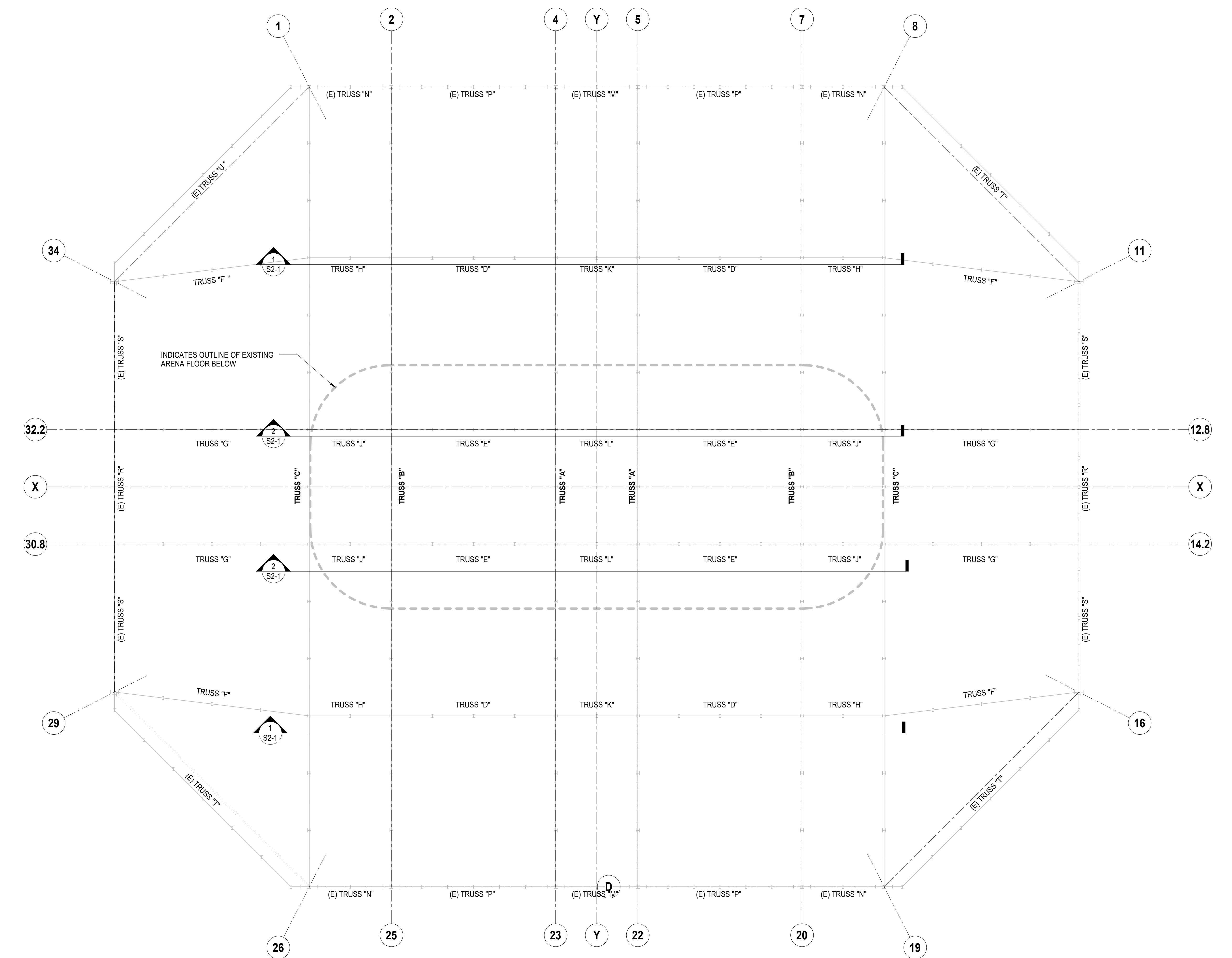
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SHEET NUMBER



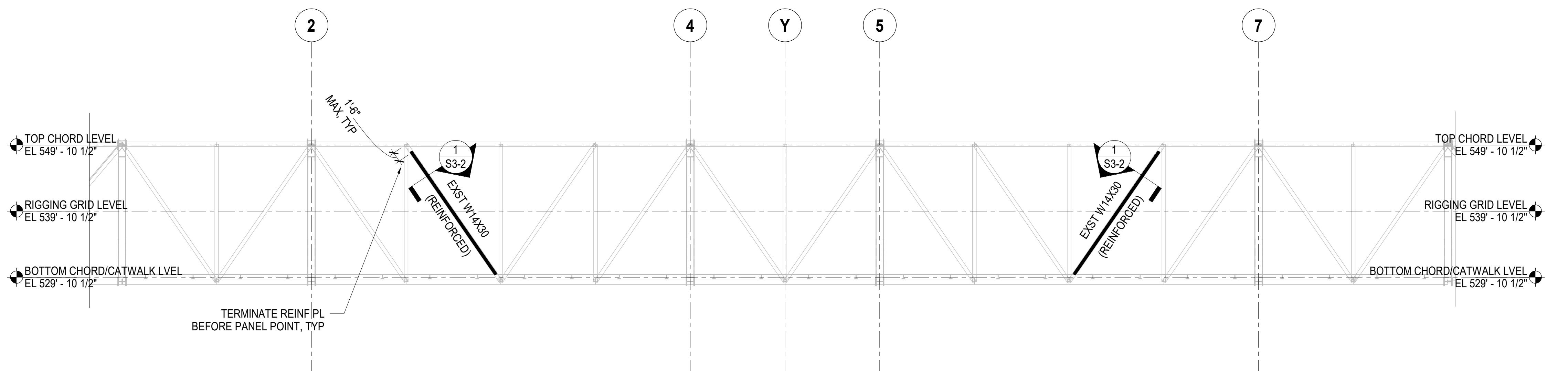




1 TOP CHORD LEVEL

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

ISSUED NAME	12/10/2025	ISSUED BY	POPULOUS
PROJECT NUMBER	Q22077.00	PAPER SIZE	E1
SHET NAME	TOP CHORD OVERALL PLAN		
Sheet Number	S1-3		

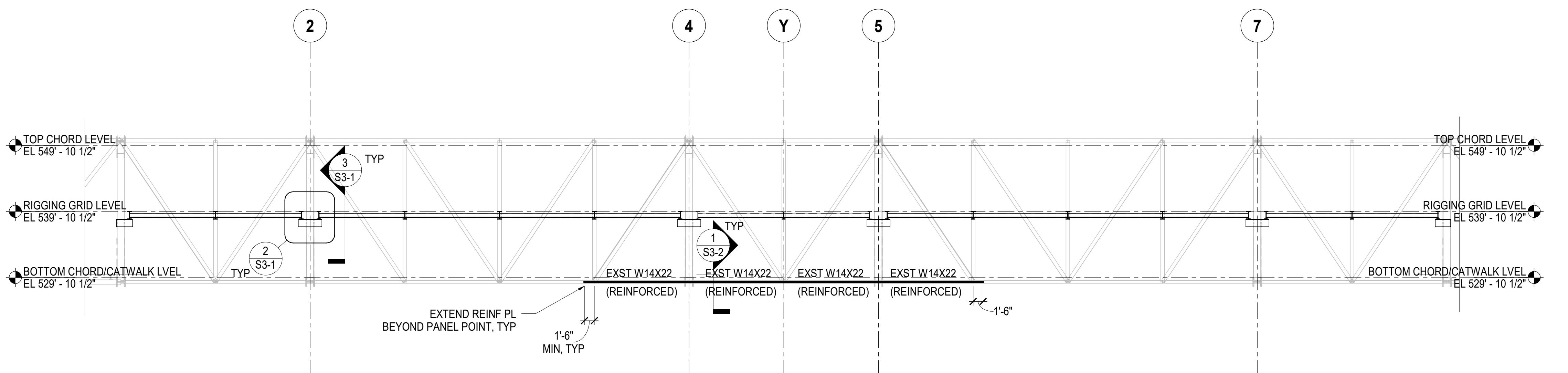


# 1 TRUSS "D" REINFORCEMENT ELEVATION

SCALE: 1" = 10'-0"

TERMINATE REINF  
BEFORE PANEL POINT, T

**NOTE:** THE TOP OF EXISTING CONCRETE FLOOR AT EVENT LEVEL IS AT EL 463' - 0"



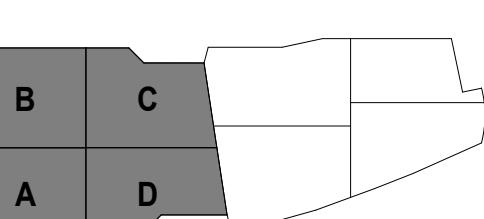
## — TRUSS "E" AND "W" REINFORCEMENT ELEVATION

## TRUSS "E"

USS "E

SCALE: 1" = 10'-0"

$$\Sigma: 1" = 10'-0"$$



# CU Center Structural

11. *What is the primary purpose of the following statement?*

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**10/2025** **POPULOUS**

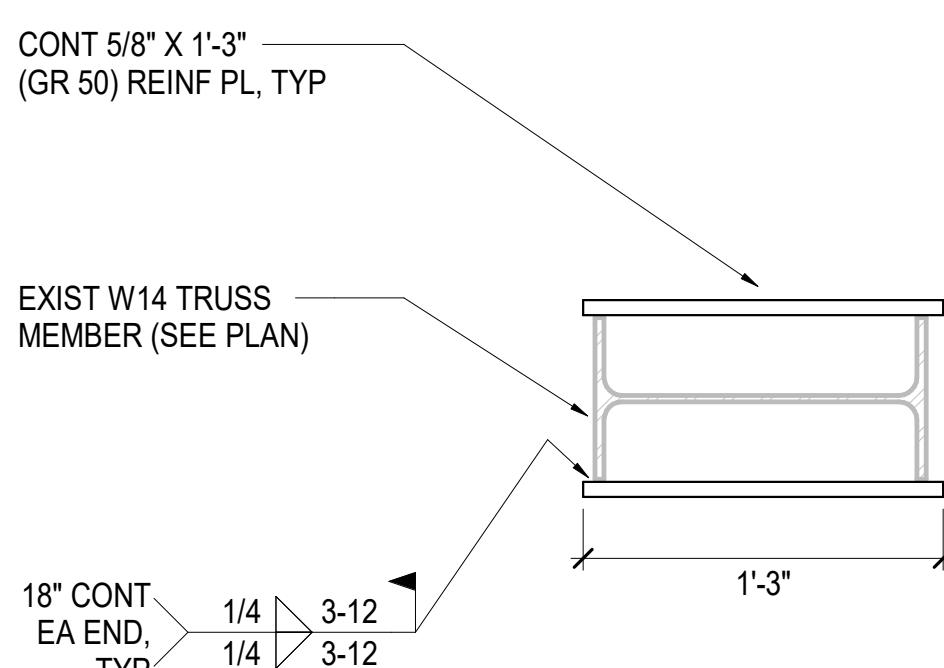
22077.00 E1

# RUSS ELEVATIONS

SET NUMBER



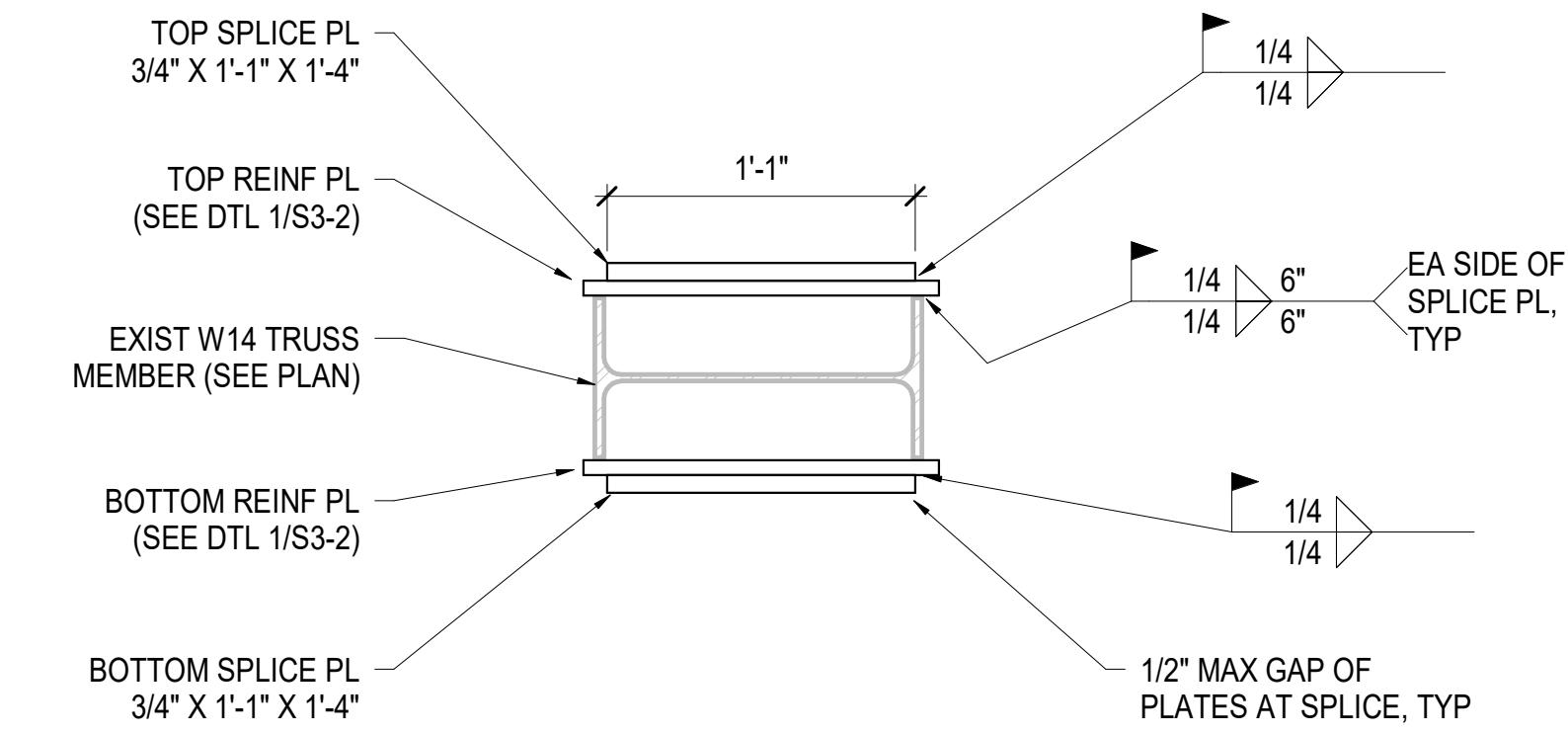
NOTE:  
REINFORCING PLATE MAY BE SPLICED AT ANYWHERE  
ALONG LENGTH OF TRUSS MEMBER (REF: DTL 2/S3-2)



# 1 EXISTING TRUSS MEMBER REINFORCING DETAIL

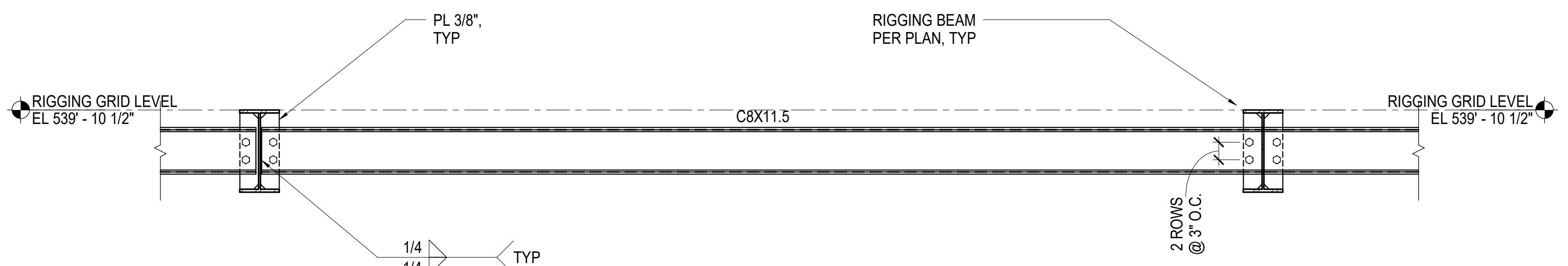
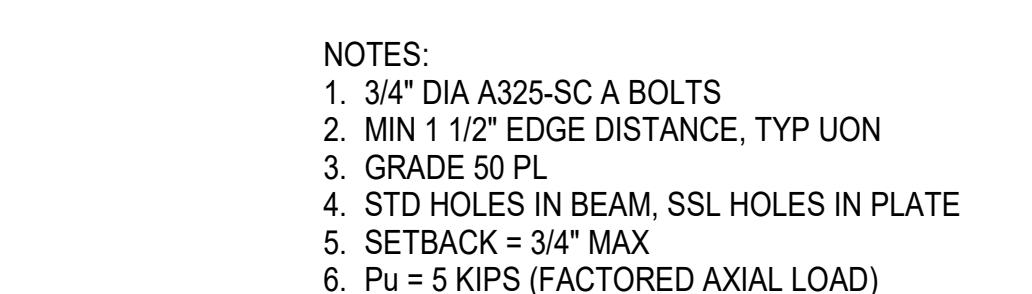
SCALE: 1 1/2" = 1'-0"

NOTE:  
CENTER SPLICE PLATES AT JOINT OF REINF PLATES



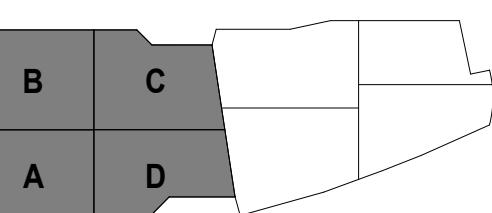
# 2 REINFORCING PLATE SPLICE DETAIL

SCALE: 1 1/2" = 1'



## 3 CHANNEL STRUT DETAIL

SCALE: 3/4" = 1'-0"

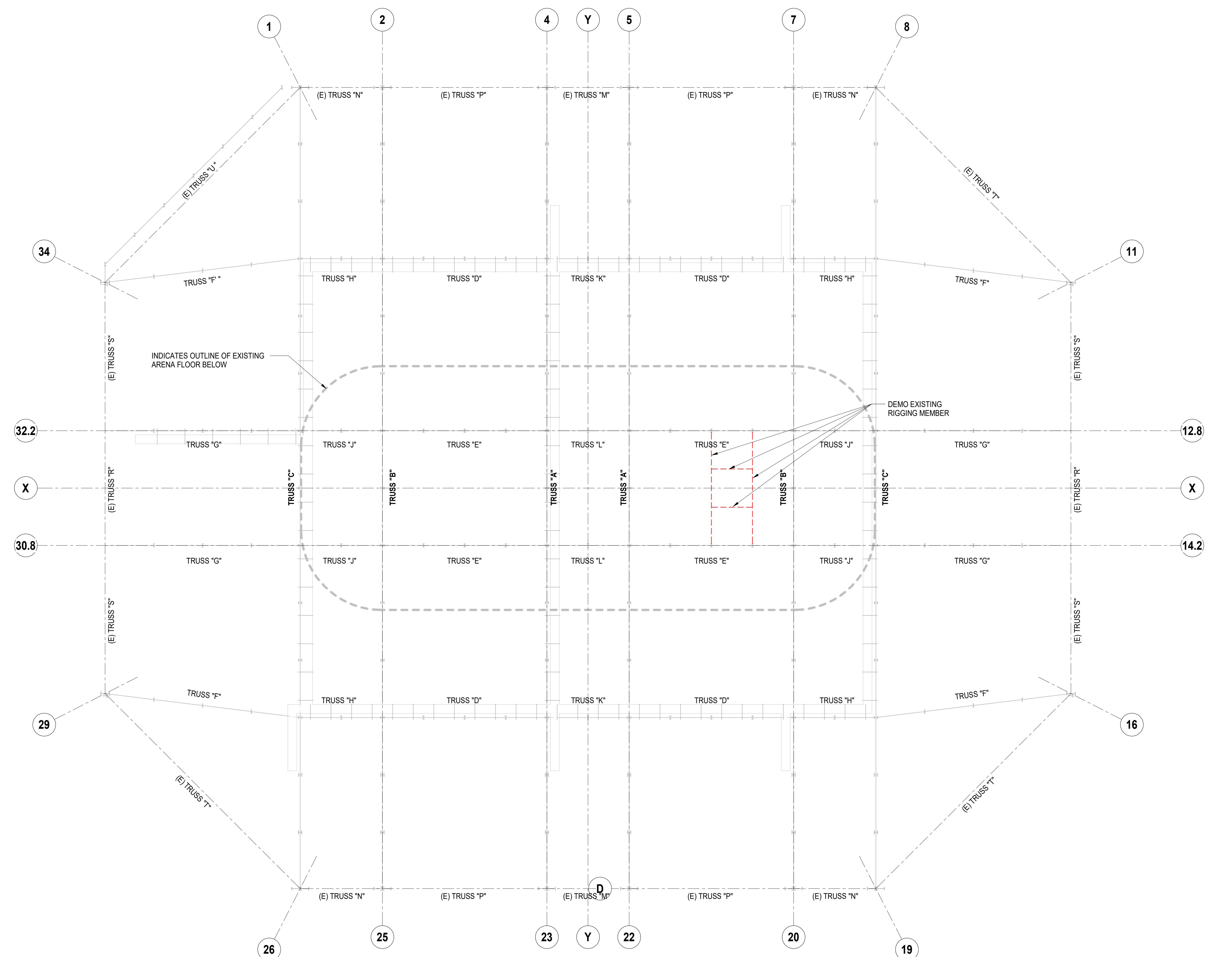


# CU Center Structural

UED DATE | ISSUED BY  
**2/10/2025** | **POPULOUS**

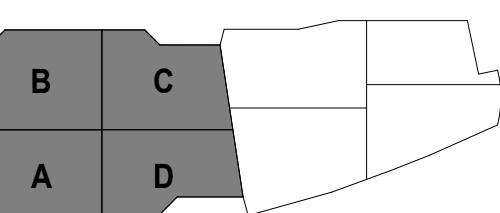
22077.00 E1  
EET NAME  
**TEEL DETAILS**

HEET NUMBER



# 1 DEMO - BOTTOM CHORD OVERALL PLAN

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



# OCU Center Structural Engineering Building

SUED NAME	
SUED DATE	ISSUED BY
<b>2/10/2025</b>	<b>POPULOUS</b>
PROJECT NUMBER	PAPER SIZE
<b>2202077.00</b>	<b>E1</b>
SHEET NAME	
<b>DEMO - BOTTOM CHORD</b> <b>OVERALL PLAN</b>	
SHEET NUMBER	
<b>SD1-1</b>	