

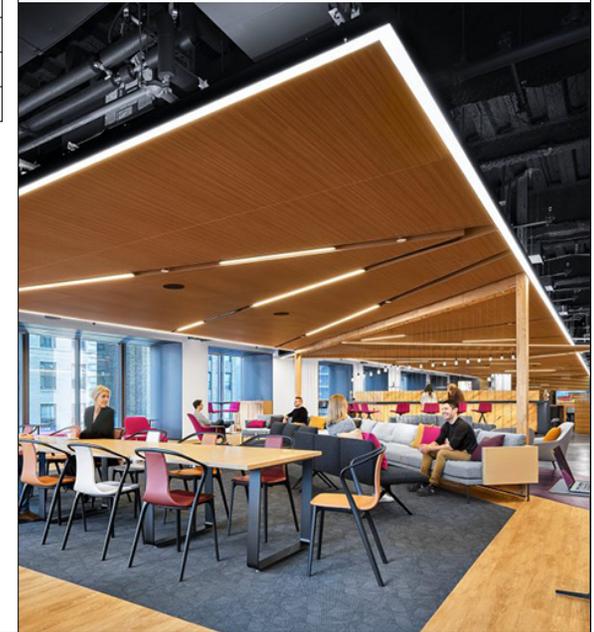
Design Solutions - ILLUSIONS® Detail List

Sheet Number	Sheet Name	View Name
ILL-DS-PD01	PERIMETER DETAIL ILL_P1_SFR	Perimeter at Wall 3/4" Reveal - Main Tee Free
ILL-DS-PD03	PERIMETER DETAIL ILL_P1C_SFR	Perimeter at Wall 3/4" Reveal - Cross Tee Free
ILL-DS-PD05	PERIMETER DETAIL ILL_P5_SFR	Perimeter at Wall Field Cut C-Channel - Free
ILL-DS-PD06	PERIMETER DETAIL ILL_P5_SFX	Perimeter at Wall Field Cut C-Channel - Fixed
ILL-DS-PD07	PERIMETER DETAIL ILL_P7_L&C_SFR	Perimeter at Wall Field Cut 3/4" Reveal C-Channel - Free
ILL-DS-PD08	PERIMETER DETAIL ILL_P7_L&C_SFX	Perimeter at Wall Field Cut 3/4" Reveal C-Channel - Fixed
ILL-DS-PD09	PERIMETER DETAIL ILL_P7_W_SFR	Perimeter at Wall Field Cut 7/8" Reveal W-Mold - Free
ILL-DS-PD10	PERIMETER DETAIL ILL_P7_W_SFX	Perimeter at Wall Field Cut 7/8" Reveal W-Mold - Fixed
ILL-DS-PD11	PERIMETER DETAIL ILL_P10	Perimeter Floating at Main Tee - No Trim
ILL-DS-PD12	PERIMETER DETAIL ILL_P10C	Perimeter No Trim - 9/16" Offset Cross Tee
ILL-DS-PD13	PERIMETER DETAIL ILL_P16_17C	Perimeter Floating 3-1/4" Trim - Main Tee
ILL-DS-PD14	PERIMETER DETAIL ILL_P16C	Perimeter Floating 3-1/4" Trim Cross Tee with 1/2" Spacer
ILL-DS-PD15	PERIMETER DETAIL ILL_P16D	Perimeter Floating 3-1/4" Trim - Cross Tee
ILL-DS-PD16	PERIMETER DETAIL ILL_P20_21	Perimeter Floating 4-1/2" Trim - Field Cut Main Tee
ILL-DS-PD02	PERIMETER DETAIL ILL_P1_SFX	Perimeter at Wall 3/4" Reveal - Main Tee Fixed
ILL-DS-PD04	PERIMETER DETAIL ILL_P1C_SFX	Perimeter at Wall 3/4" Reveal - Cross Tee Fixed
ILL-DS-PJ-01	PANEL JOINT DETAIL ILL-PJ01	Panel Tight Joint - Cross Tee
ILL-DS-PJ-01C	PANEL JOINT DETAIL ILL-PJ01C	Panel Tight Joint - Main Tee
ILL-DS-PJ-02	PANEL JOINT DETAIL ILL-PJ02	Panel Joint 1/2" Reveal with 1/16" Spacer - Cross Tee
ILL-DS-PJ-02C	PANEL JOINT DETAIL ILL-PJ-02C	Panel Joint 1/2" Reveal - Main Tee

USG CEILINGS PLUS® Design Solutions - ILLUSIONS®

NOTES:

1. REFERENCE USG IC5488 FOR INSTALLATION INSTRUCTIONS.
2. PANELS MAY BE FIELD-CUT AT WALL AND COLUMNS BUT OTHERWISE SHOULD BE USED IN FULL MODULES.
3. FOR BEST INSTALLATION RESULTS, PRE-DRILL ALL HOLES AT PANEL PERIMETERS THROUGH PANEL AND SUSPENSION SYSTEM BEFORE INSTALLING FASTENER.



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Design Solutions - ILLUSIONS® SYSTEM DETAILS - 1-1/2" FORMED METAL PANELS

ISSUE RECORD:

09/02/22

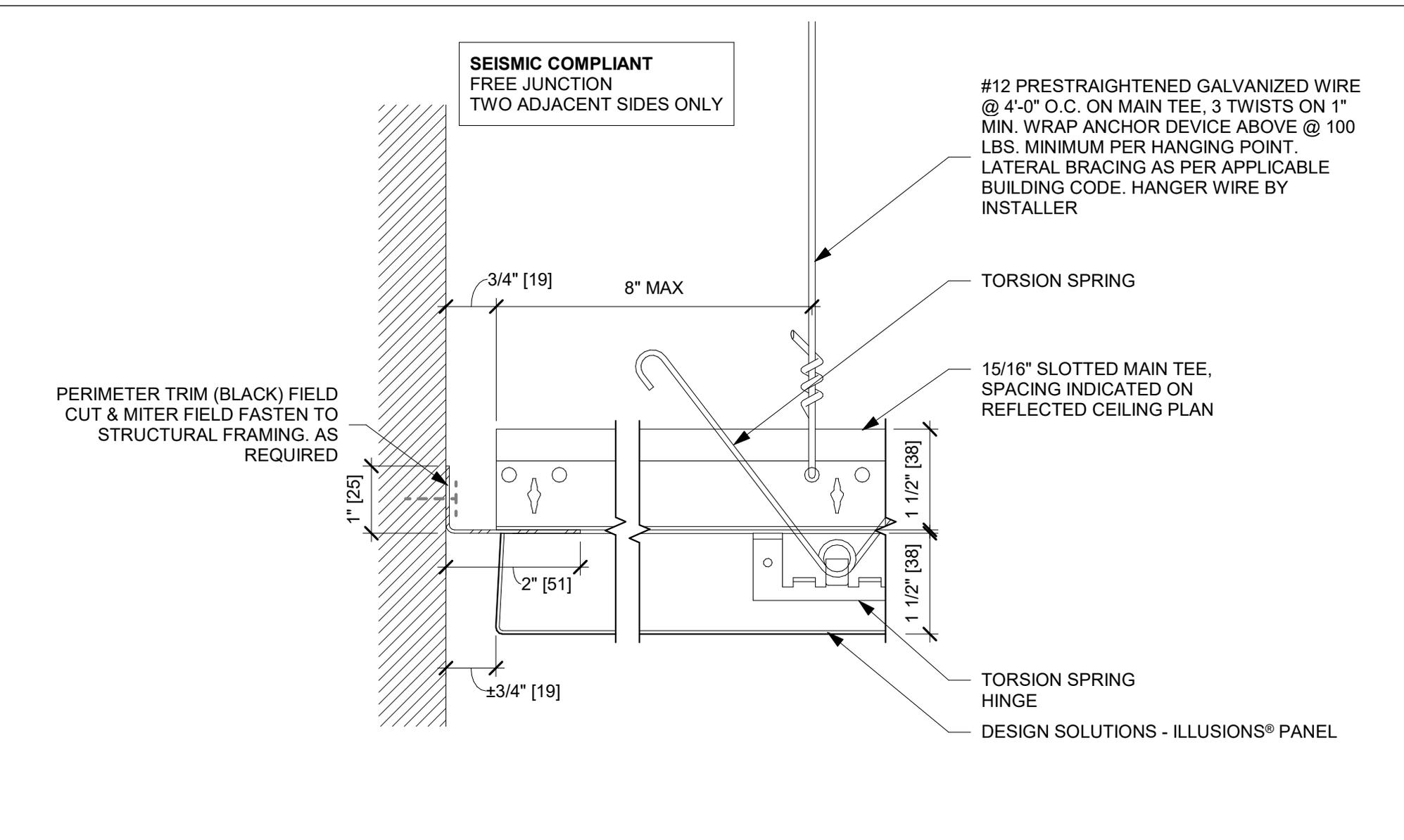
REV: DATE:

SHEET INFORMATION:

SCALE:

ILL-DS-PD00

Design Solutions - ILLUSIONS® SYSTEM DETAILS



1 Perimeter at Wall 3/4" Reveal - Main Tee Free
6" = 1'-0"

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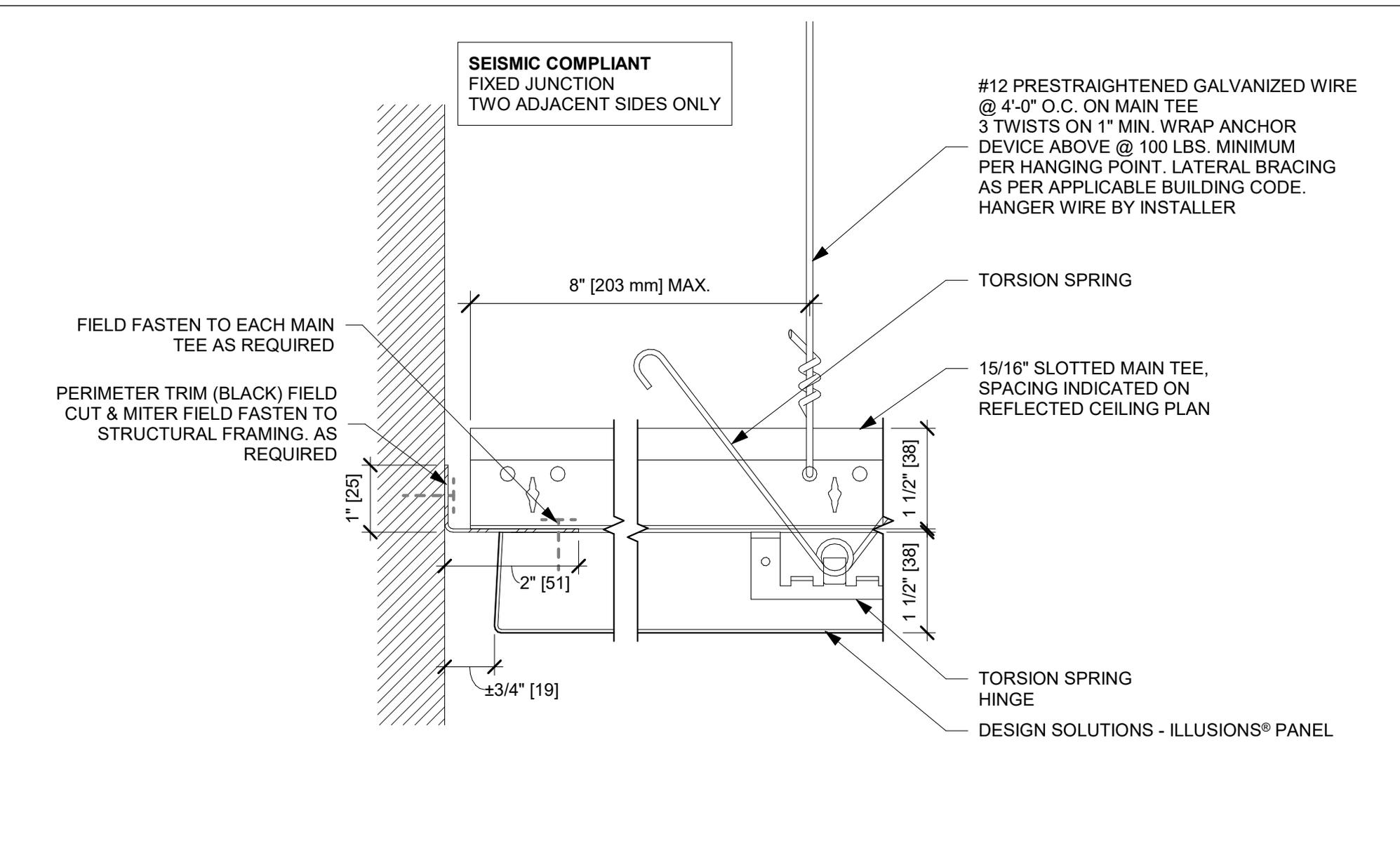
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SYSTEM DETAILS - 1-1/2" FORMED METAL PANELS

ISSUE RECORD:
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PERIMETER DETAIL ILL_P1_SFR

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**SEISMIC COMPLIANT
FIXED JUNCTION
TWO ADJACENT SIDES ONLY**

#12 PRESTRAIGHTENED GALVANIZED WIRE
@ 4'-0" O.C. ON MAIN TEE
3 TWISTS ON 1" MIN. WRAP ANCHOR
DEVICE ABOVE @ 100 LBS. MINIMUM
PER HANGING POINT. LATERAL BRACING
AS PER APPLICABLE BUILDING CODE.
HANGER WIRE BY INSTALLER

TORSION SPRING

15/16" SLOTTED MAIN TEE,
SPACING INDICATED ON
REFLECTED CEILING PLAN

TORSION SPRING
HINGE

DESIGN SOLUTIONS - ILLUSIONS® PANEL

FIELD FASTEN TO EACH MAIN
TEE AS REQUIRED

PERIMETER TRIM (BLACK) FIELD
CUT & MITER FIELD FASTEN TO
STRUCTURAL FRAMING. AS
REQUIRED

1 Perimeter at Wall 3/4" Reveal - Main Tee Fixed
6" = 1'-0"

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**Design Solutions - ILLUSIONS®
SYSTEM DETAILS - 1-1/2" FORMED METAL PANELS**

ISSUE RECORD:	09/02/22
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SHEET INFORMATION:	SCALE: 6" = 1'-0"
ILL-DS-PD02	
PERIMETER DETAIL ILL_P1_SFX	

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**SEISMIC COMPLIANT
FREE JUNCTION
TWO ADJACENT SIDES ONLY**

#12 PRESTRAIGHTENED GALVANIZED WIRE @ 4'-0" O.C. ON MAIN TEE, 3 TWISTS ON 1" MIN. WRAP ANCHOR DEVICE ABOVE @ 100 LBS. MINIMUM PER HANGING POINT. LATERAL BRACING AS PER APPLICABLE BUILDING CODE. HANGER WIRE BY INSTALLER

TORSION SPRING

CL-3004 CLIP FIELD FASTEN TO CROSS TO MAIN TYPICAL @ PERIMETER

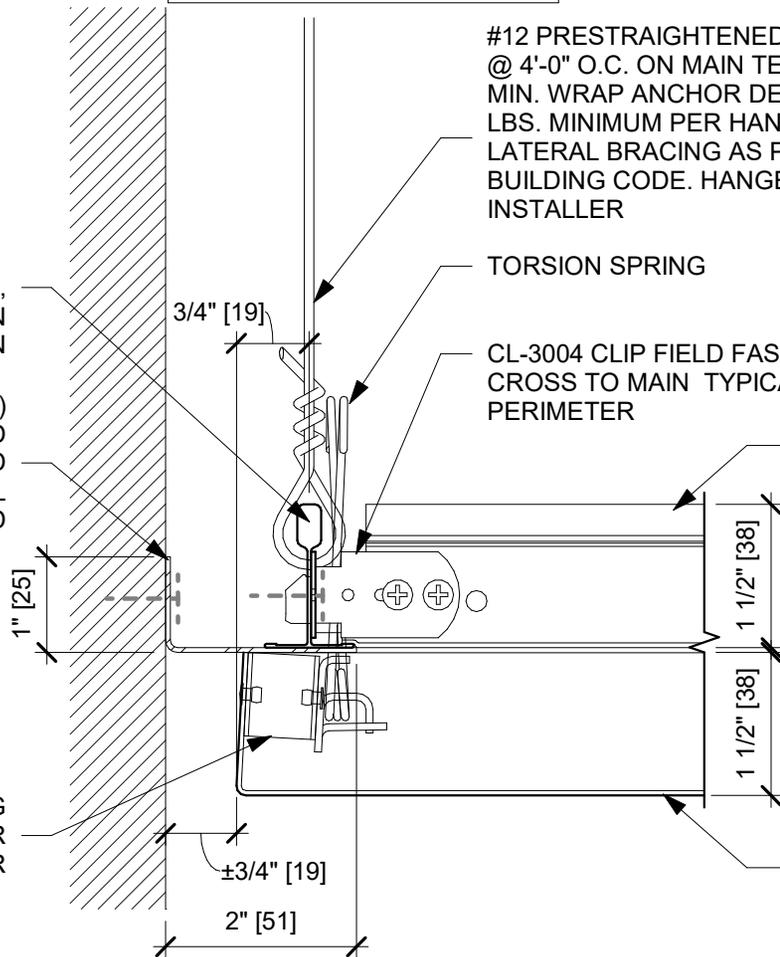
TEE @ SPACING INDICATED ON REFLECTED CEILING PLAN FIELD CUT AS REQUIRED

DESIGN SOLUTIONS - ILLUSIONS® PANEL

15/16" SLOTTED MAIN TEE, SPACING INDICATED ON REFLECTED CEILING PLAN

PERIMETER TRIM (BLACK) W/ FACTORY NOTCHED FIELD CUT & MITER FIELD FASTEN TO STRUCTURAL FRAMING AS REQUIRED

TORSION SPRING HINGE W/ 3/4" SPACER TYPICAL @ PERIMETER



① Perimeter at Wall 3/4" Reveal - Cross Tee Free
6" = 1'-0"

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SYSTEM DETAILS - 1-1/2" FORMED METAL PANELS**

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REV: DATE:

SHEET INFORMATION:

SCALE: 6" = 1'-0"

ILL-DS-PD03

PERIMETER DETAIL ILL_P1C_SFR

**SEISMIC COMPLIANT
FIXED JUNCTION
TWO ADJACENT SIDES ONLY**

15/16" SLOTTED MAIN TEE,
SPACING INDICATED ON
REFLECTED CEILING PLAN

PERIMETER TRIM (BLACK)
W/ FACTORY NOTCHED
FIELD CUT & MITER FIELD
FASTEN TO STRUCTURAL
FRAMING AS REQUIRED

FIELD FASTEN "L"
ANGLE TO MAIN TEE
@ 4'-0" [1250] MAX.

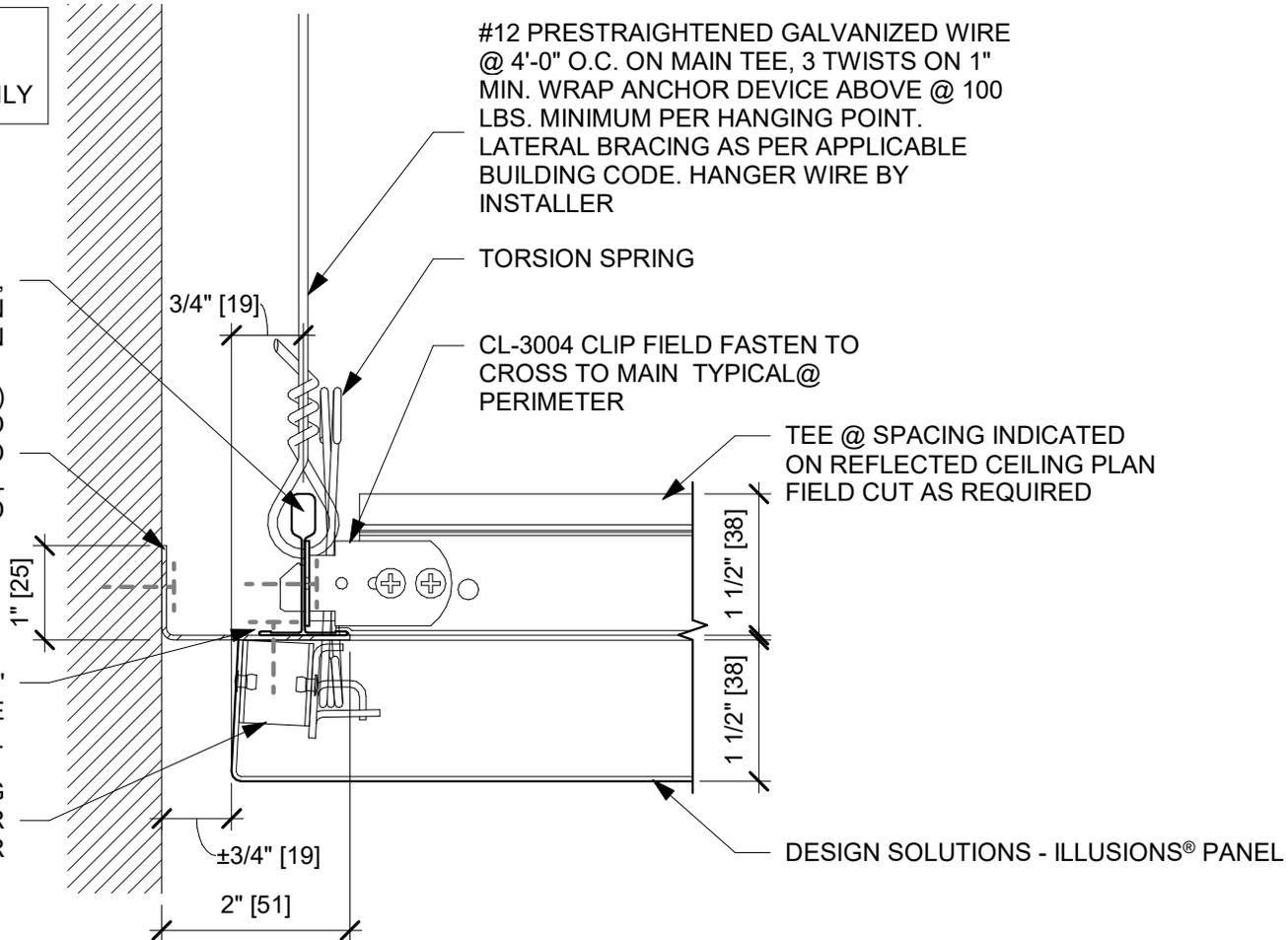
TORSION SPRING
HINGE W/ 3/4" SPACER
TYPICAL @ PERIMETER

#12 PRESTRAIGHTENED GALVANIZED WIRE
@ 4'-0" O.C. ON MAIN TEE, 3 TWISTS ON 1"
MIN. WRAP ANCHOR DEVICE ABOVE @ 100
LBS. MINIMUM PER HANGING POINT.
LATERAL BRACING AS PER APPLICABLE
BUILDING CODE. HANGER WIRE BY
INSTALLER

TORSION SPRING

CL-3004 CLIP FIELD FASTEN TO
CROSS TO MAIN TYPICAL @
PERIMETER

TEE @ SPACING INDICATED
ON REFLECTED CEILING PLAN
FIELD CUT AS REQUIRED



① Perimeter at Wall 3/4" Reveal - Cross Tee Fixed
6" = 1'-0"

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SCALE: 6" = 1'-0"
ILL-DS-PD04
PERIMETER DETAIL ILL_P1C_SFX

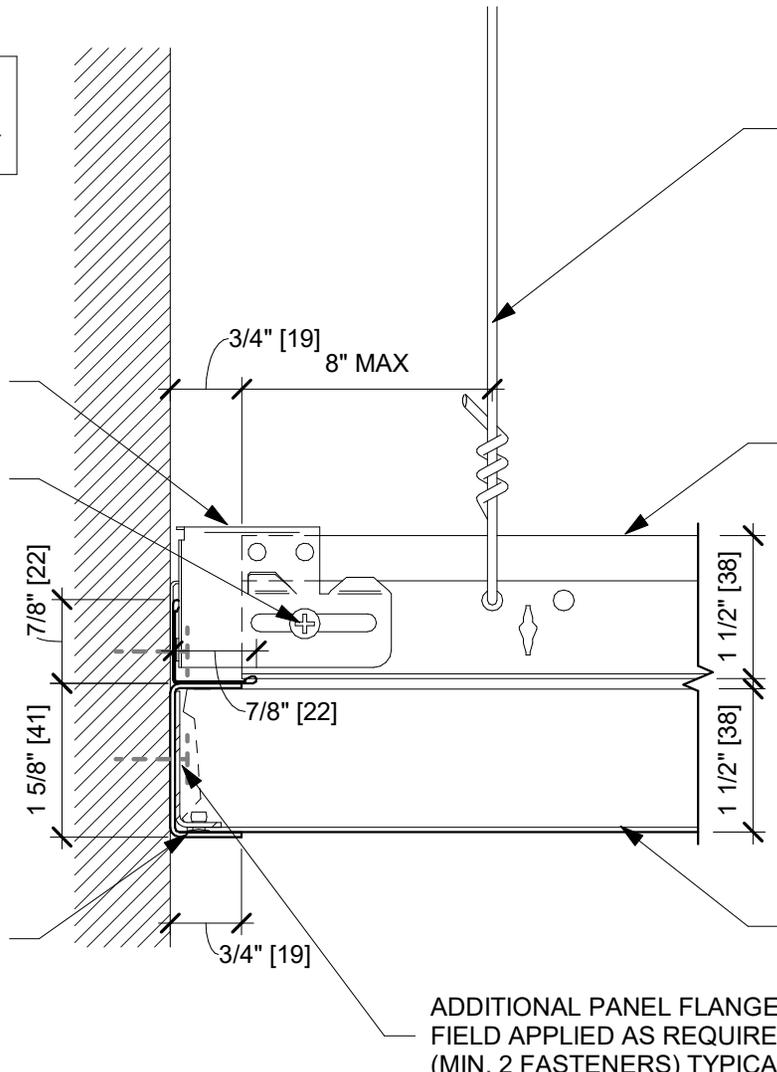
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**SEISMIC COMPLIANT
FREE JUNCTION
TWO ADJACENT SIDES ONLY**

ACM7 WALL ATTACHMENT CLIP
FIELD FASTEN TO PERIMETER
TRIM AS REQUIRED

FIELD FASTEN TO TEE FOR
FLOATING WALL

PERIMETER TRIM (BLACK) FIELD
CUT & MITER. FASTEN TO
STRUCTURAL FRAMING.
FRAMING AS REQUIRED



#12 PRESTRAIGHTENED GALVANIZED WIRE
@ 4'-0" O.C. ON MAIN TEE, 3 TWISTS ON 1"
MIN. WRAP ANCHOR DEVICE ABOVE @ 100
LBS. MINIMUM PER HANGING POINT.
LATERAL BRACING AS PER APPLICABLE
BUILDING CODE. HANGER WIRE BY
INSTALLER

TEE @ SPACING INDICATED ON
REFLECTED CEILING PLAN FIELD
CUT AS REQUIRED

DESIGN SOLUTIONS - ILLUSIONS® PANEL
FIELD CUT AS REQUIRED

ADDITIONAL PANEL FLANGE,
FIELD APPLIED AS REQUIRED
(MIN. 2 FASTENERS) TYPICAL

1 Perimeter at Wall Field Cut C-Channel - Free
6" = 1'-0"

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**Design Solutions - ILLUSIONS®
SYSTEM DETAILS - 1-1/2" FORMED METAL PANELS**

ISSUE RECORD:
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SCALE: 6" = 1'-0"
ILL-DS-PD05
PERIMETER DETAIL ILL_P5_SFR

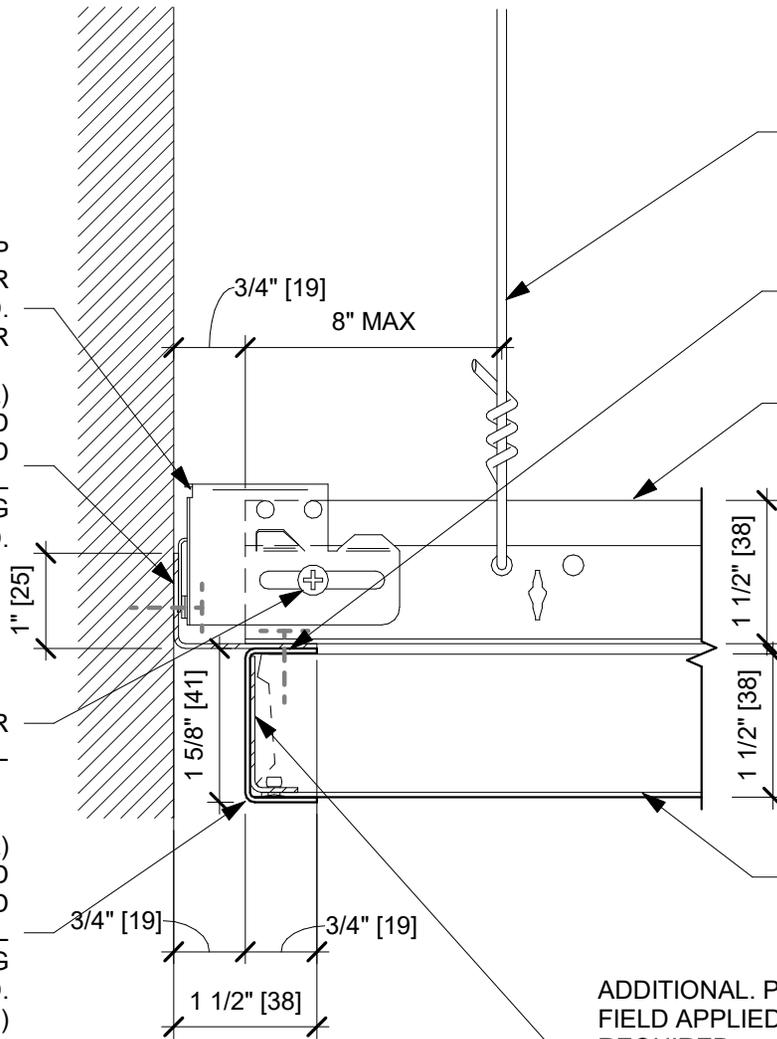
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ACM7 WALL ATTACHMENT CLIP
FIELD FASTEN TO PERIMETER
TRIM AS REQUIRED.
BY INSTALLER

PERIMETER TRIM (BLACK)
W/ FACTORY NOTCHED
FIELD CUT & MITER FIELD
FASTEN TO STRUCTURAL
FRAMING
AS REQUIRED.

FIELD FASTEN TO TEE FOR
FLOATING WALL

PERIMETER TRIM (BLACK)
W/ FACTORY NOTCHED
FIELD CUT & MITER FIELD
FASTEN TO STRUCTURAL
FRAMING
AS REQUIRED.
(FINISH TO MATCH PANEL)



#12 PRESTRAIGHTENED GALVANIZED WIRE
@ 4'-0" O.C. ON MAIN TEE
3 TWISTS ON 1" MIN. WRAP ANCHOR
DEVICE ABOVE @ 100 LBS. MINIMUM
PER HANGING POINT. LATERAL BRACING
AS PER APPLICABLE BUILDING CODE.
HANGER WIRE BY INSTALLER

FACTORY JOINED

TEE @ SPACING INDICATED ON
REFLECTED CEILING PLAN FIELD
CUT AS REQUIRED

DESIGN SOLUTIONS - ILLUSIONS® PANEL
FIELD CUT AS REQUIRED.

ADDITIONAL. PANEL FLANGE
FIELD APPLIED AS
REQUIRED
(MIN. 2 FASTENERS)
TYPICAL

① Perimeter at Wall Field Cut 3/4" Reveal C-Channel - Free
6" = 1'-0"

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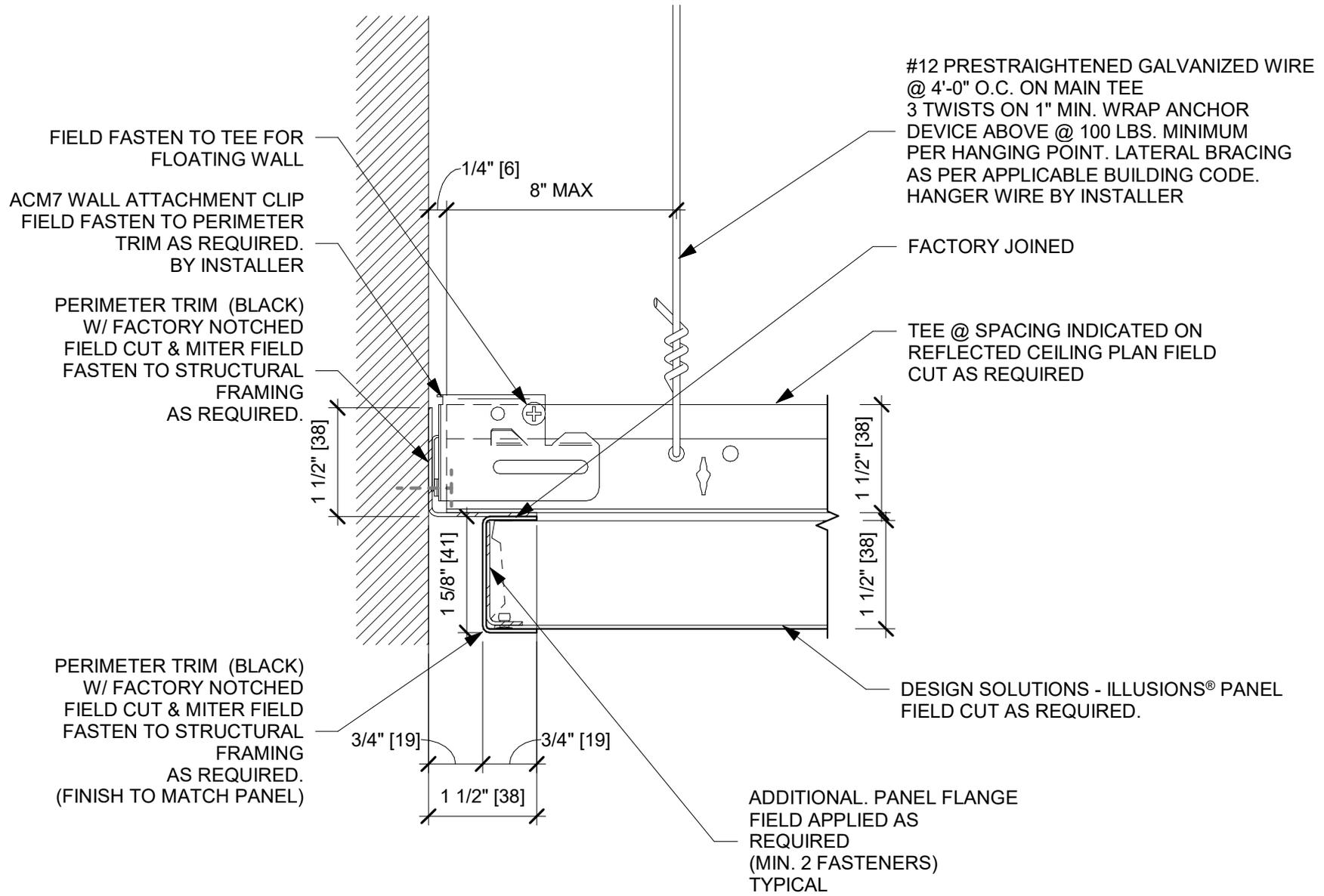
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Design Solutions - ILLUSIONS®
SYSTEM DETAILS - 1-1/2" FORMED METAL PANELS

ISSUE RECORD:	09/02/22
REV: DATE:	

SHEET INFORMATION:	SCALE: 6" = 1'-0"
	ILL-DS-PD07
	PERIMETER DETAIL ILL_P7_L&C_SFR

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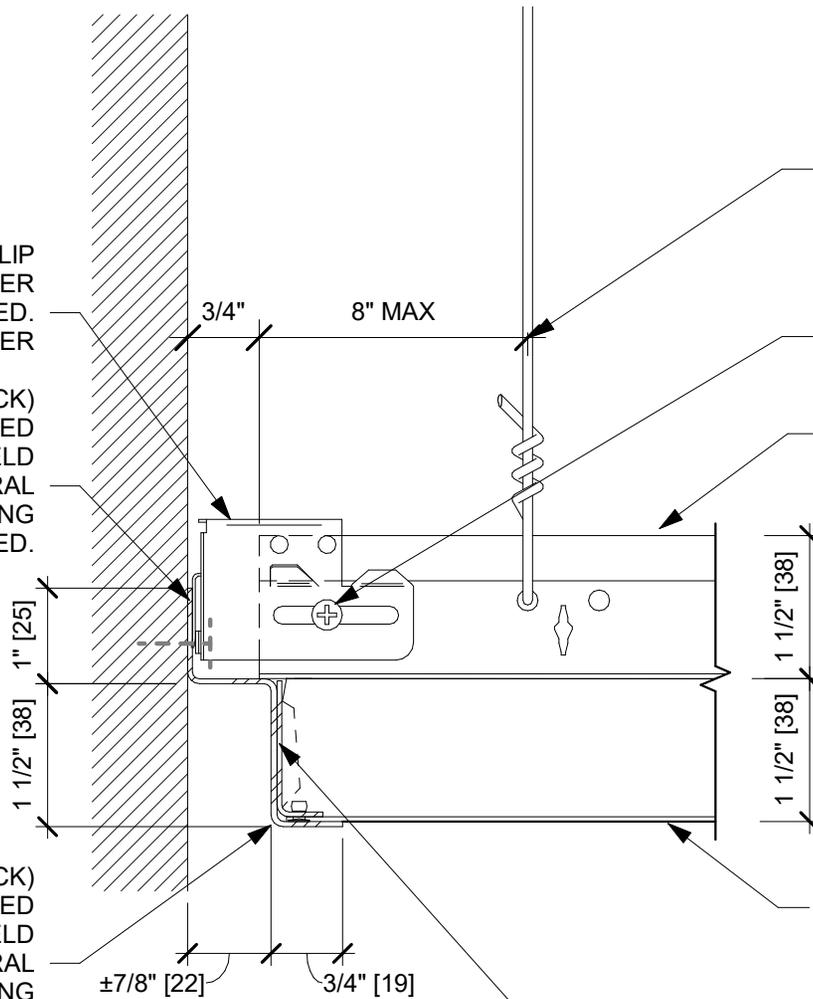


1 Perimeter at Wall Field Cut 3/4" Reveal C-Channel - Fixed
6" = 1'-0"

ACM7 WALL ATTACHMENT CLIP
FIELD FASTEN TO PERIMETER
TRIM AS REQUIRED.
BY INSTALLER

PERIMETER TRIM (BLACK)
W/ FACTORY NOTCHED
FIELD CUT & MITER FIELD
FASTEN TO STRUCTURAL
FRAMING
AS REQUIRED.

PERIMETER TRIM (BLACK)
W/ FACTORY NOTCHED
FIELD CUT & MITER FIELD
FASTEN TO STRUCTURAL
FRAMING
AS REQUIRED.
(FINISH TO MATCH PANEL)



#12 PRESTRAIGHTENED GALVANIZED WIRE
@ 4'-0" O.C. ON MAIN TEE
3 TWISTS ON 1" MIN. WRAP ANCHOR
DEVICE ABOVE @ 100 LBS. MINIMUM
PER HANGING POINT. LATERAL BRACING
AS PER APPLICABLE BUILDING CODE.
HANGER WIRE BY INSTALLER

FIELD FASTEN TO TEE FOR
FLOATING WALL

TEE @ SPACING INDICATED ON
REFLECTED CEILING PLAN FIELD
CUT AS REQUIRED

DESIGN SOLUTIONS - ILLUSIONS® PANEL
FIELD CUT AS REQUIRED.

ADDITIONAL. PANEL FLANGE
FIELD APPLIED AS
REQUIRED
(MIN. 2 FASTENERS)
TYPICAL

1 Perimeter at Wall Field Cut 7/8" Reveal W-Mold - Free
6" = 1'-0"

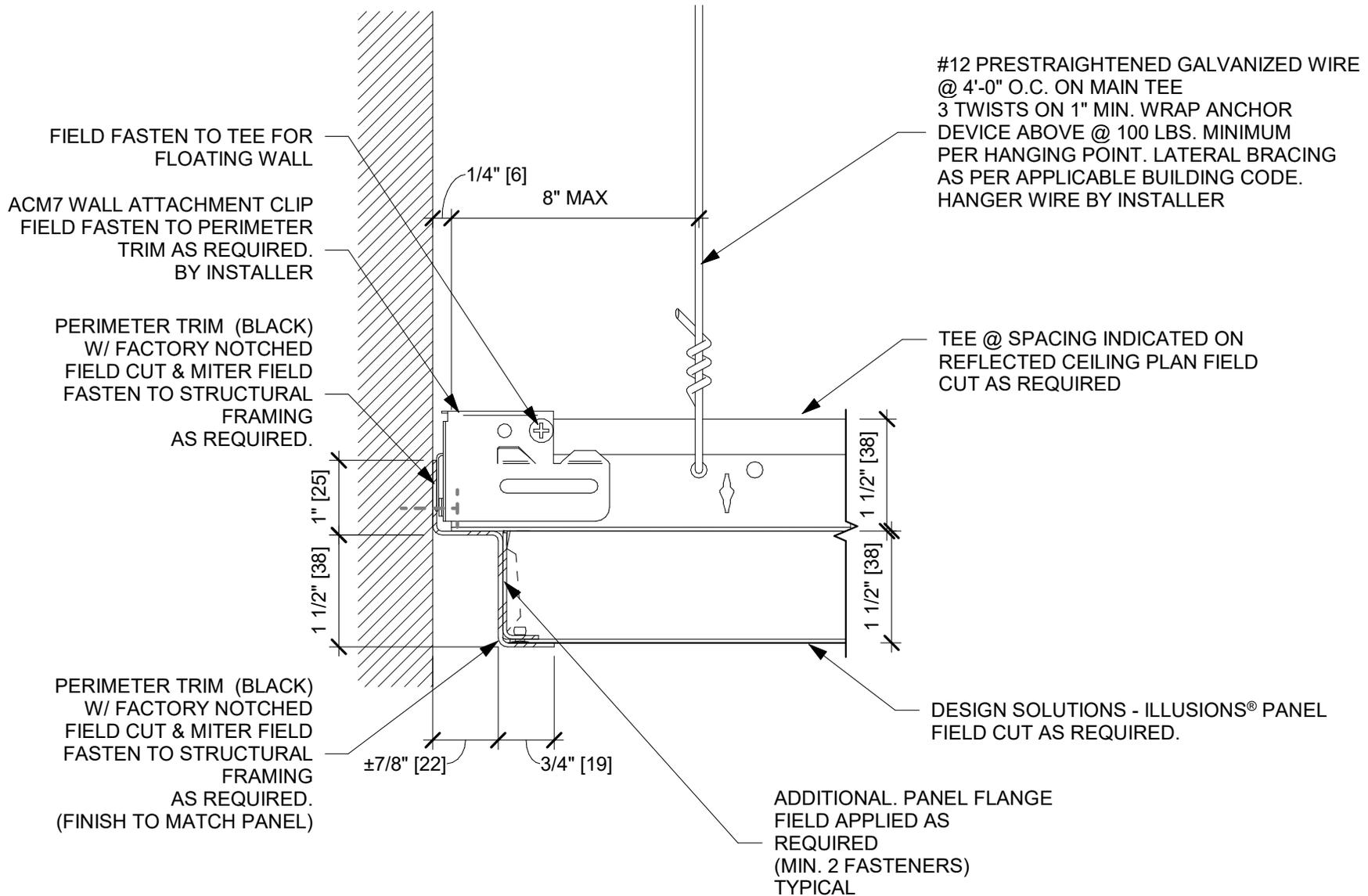
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SYSTEM DETAILS - 1-1/2" FORMED METAL PANELS

ISSUE RECORD:	09/02/22
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	ILL-DS-PD09
	PERIMETER DETAIL ILL_P7_W_SFR

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① Perimeter at Wall Field Cut 7/8" Reveal W-Mold - Fixed
6" = 1'-0"

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SYSTEM DETAILS - 1-1/2" FORMED METAL PANELS

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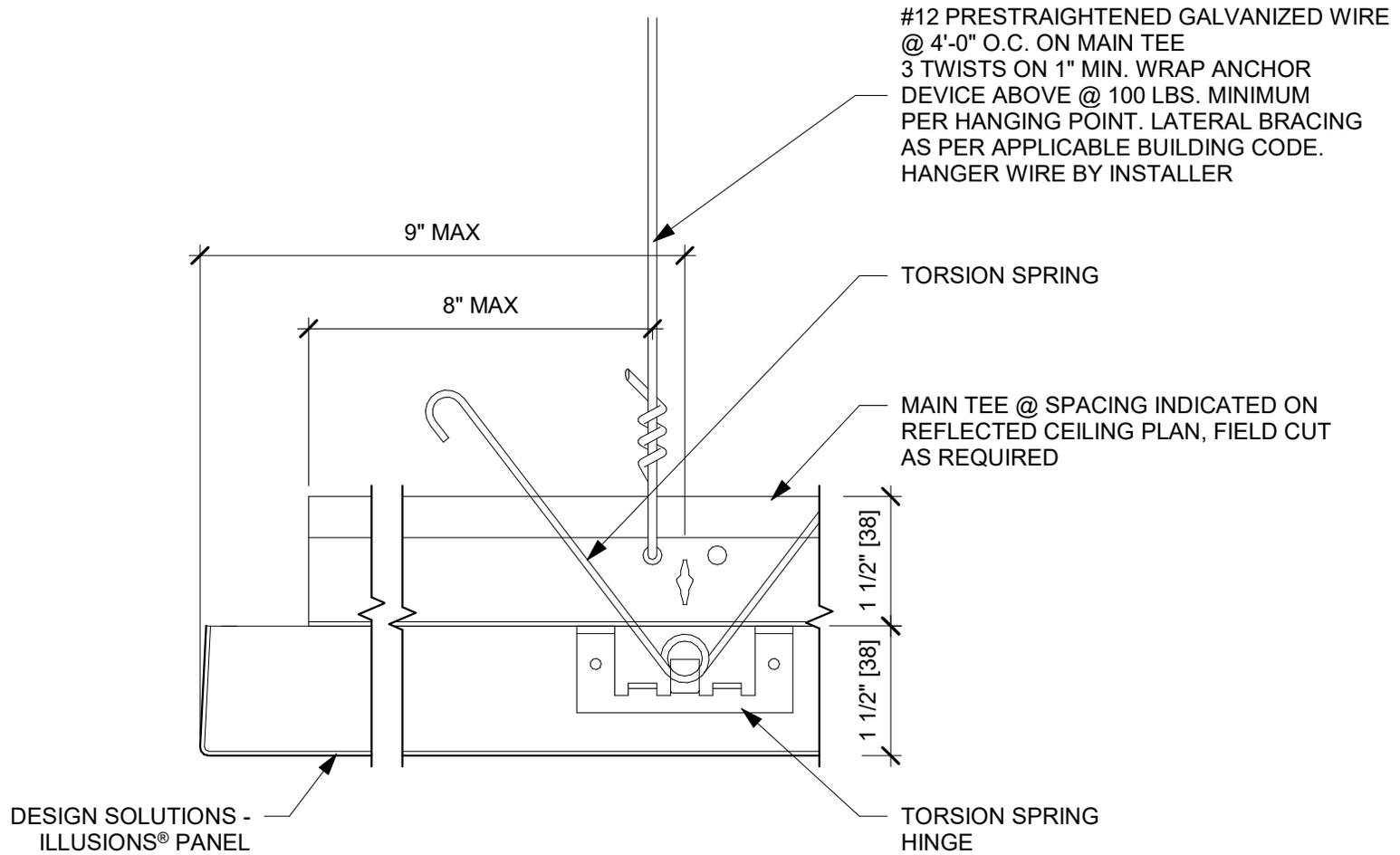
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SCALE: 6" = 1'-0"

ILL-DS-PD10

PERIMETER DETAIL ILL_P7_W_SFX

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① Perimeter Floating at Main Tee - No Trim
6" = 1'-0"

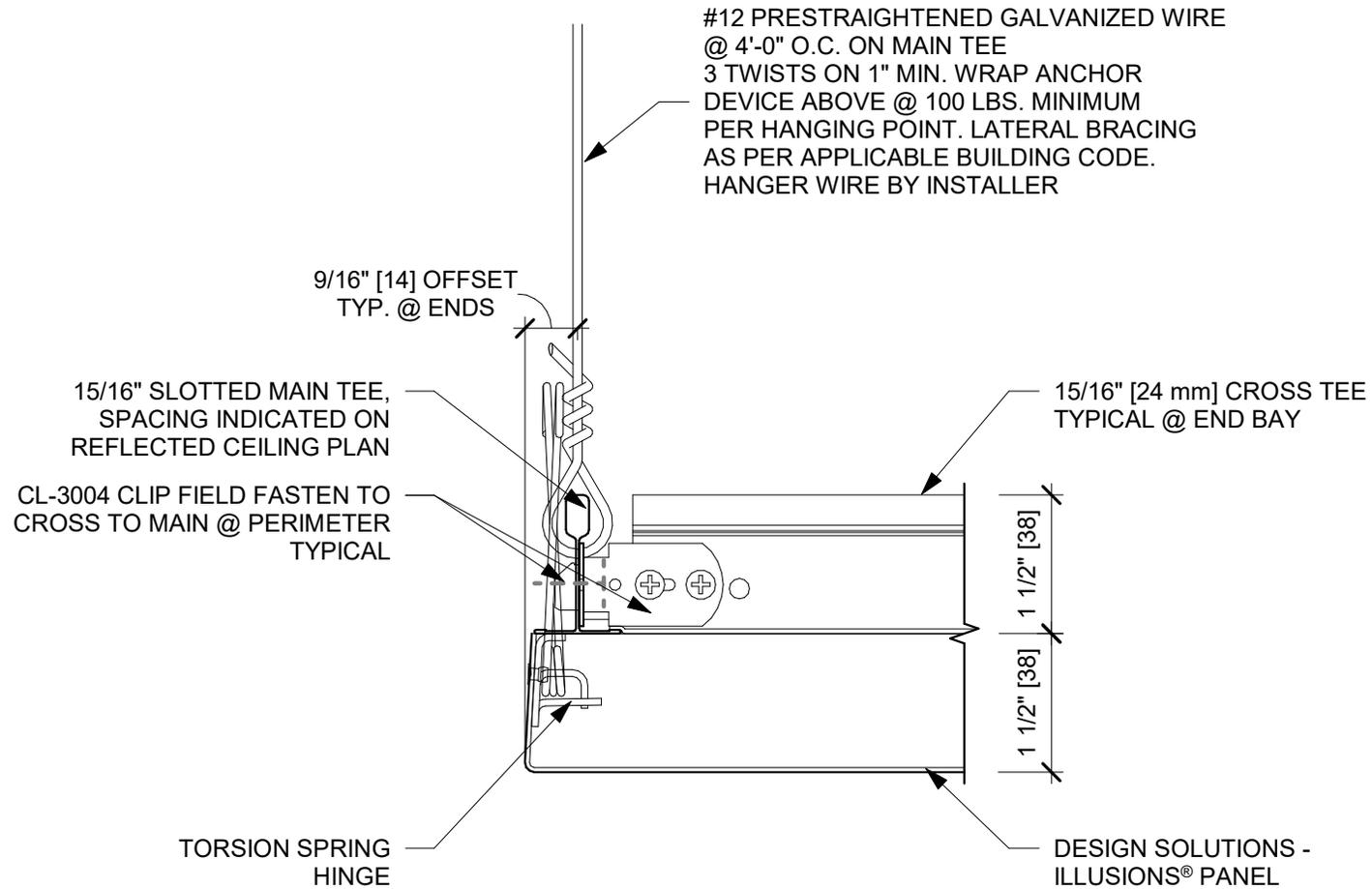
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SYSTEM DETAILS - 1-1/2" FORMED METAL PANELS

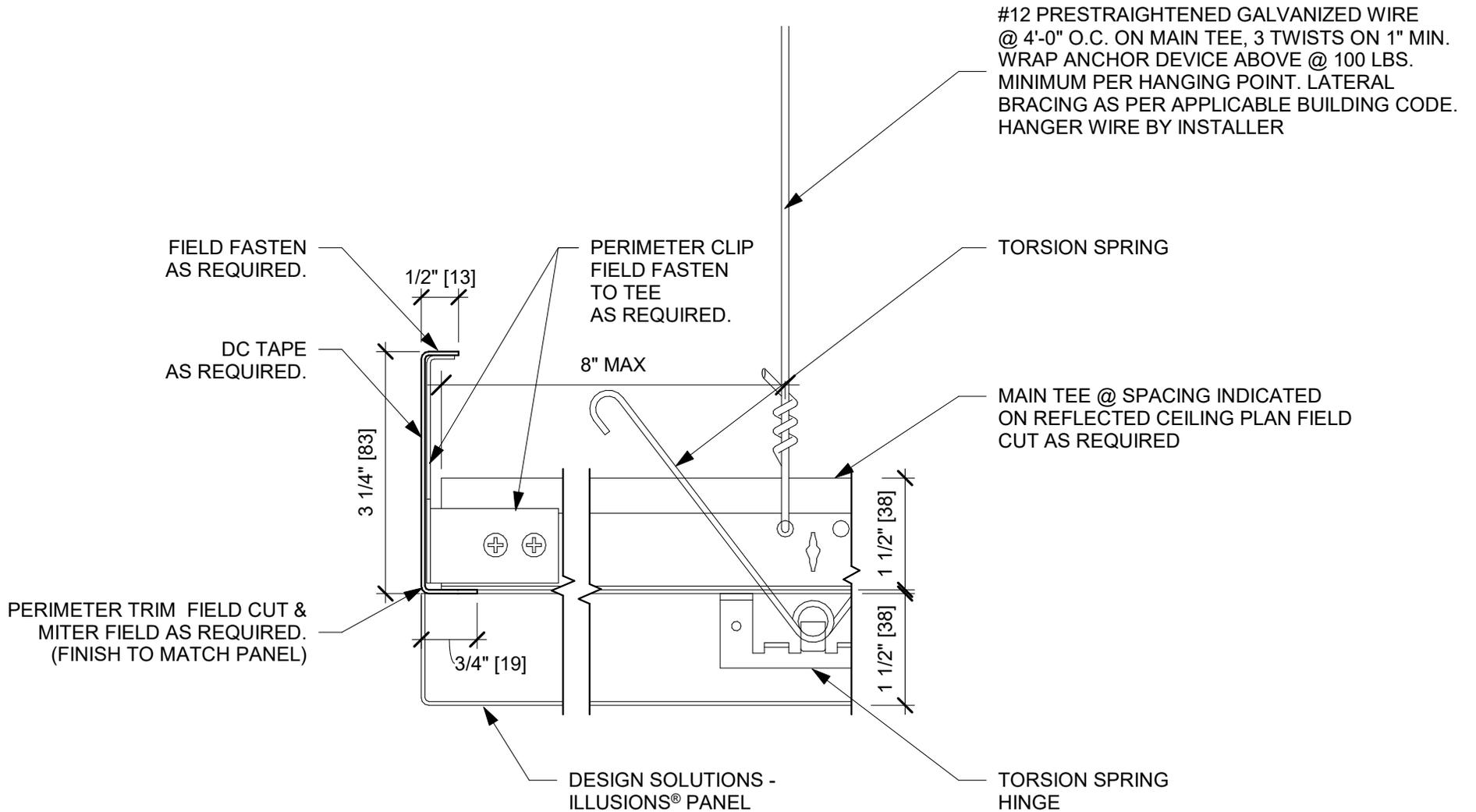
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SHEET INFORMATION:
 SCALE: 6" = 1'-0"
ILL-DS-PD11
 PERIMETER DETAIL ILL_P10

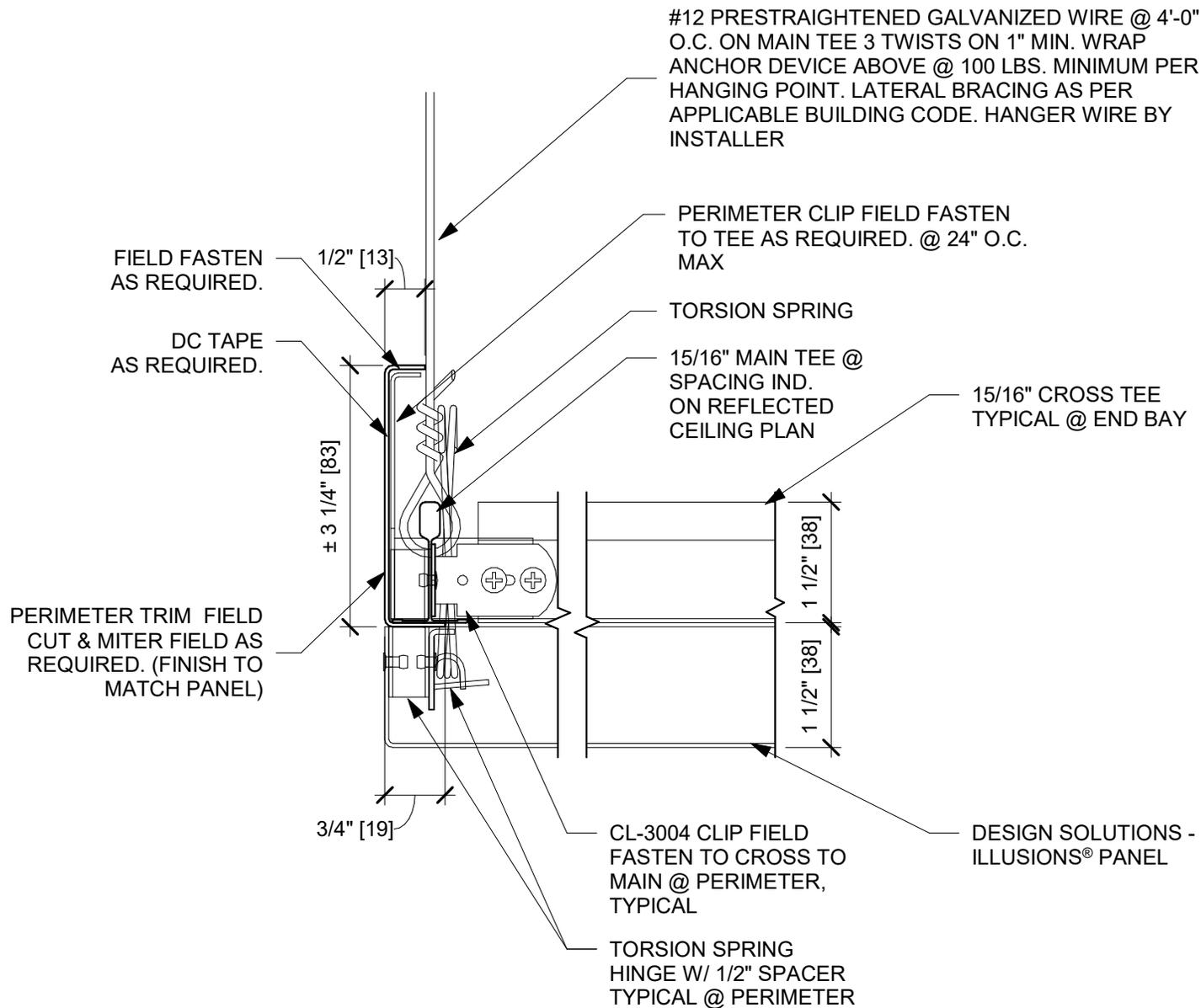
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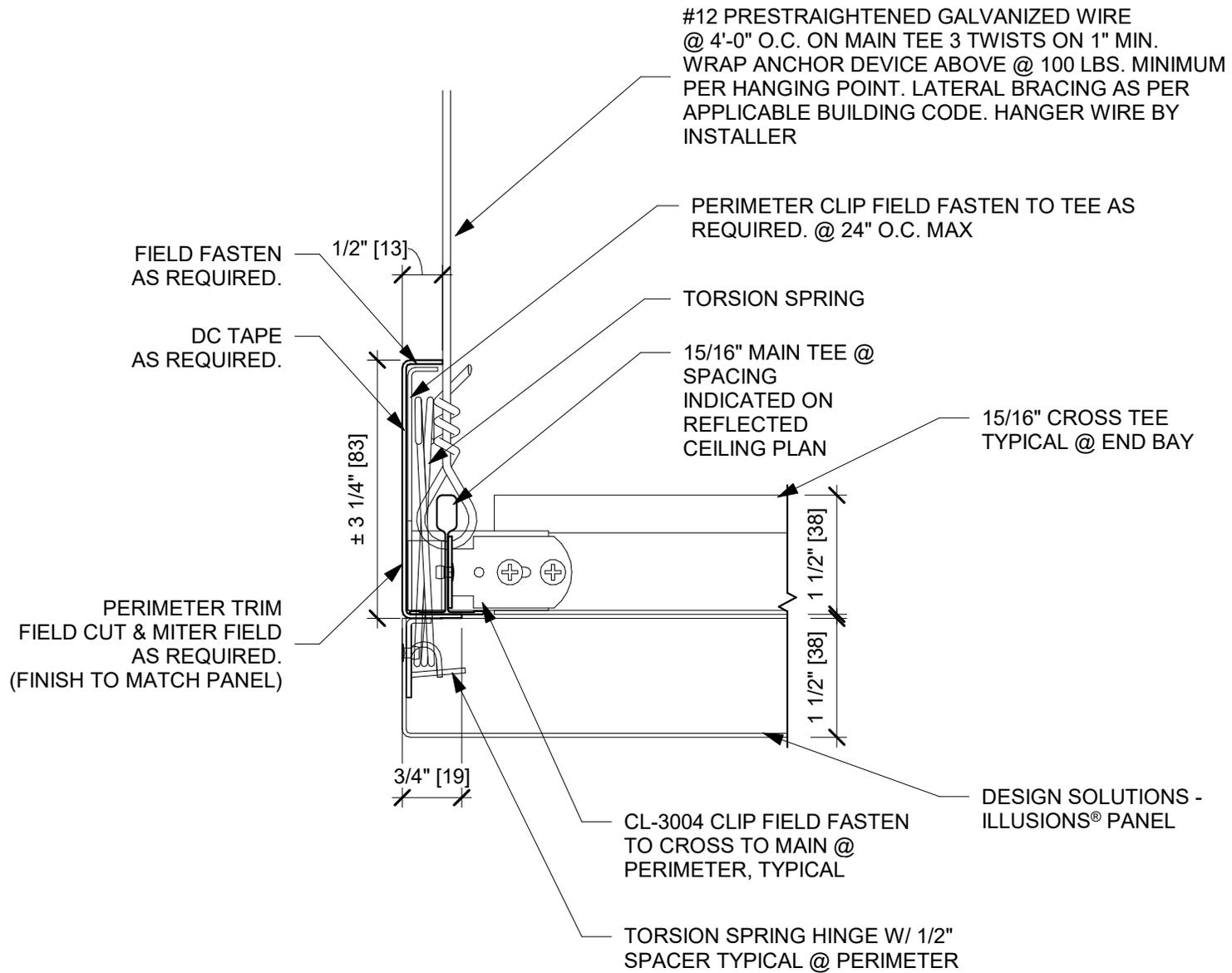
① Perimeter No Trim - 9/16" Offset Cross Tee
6" = 1'-0"



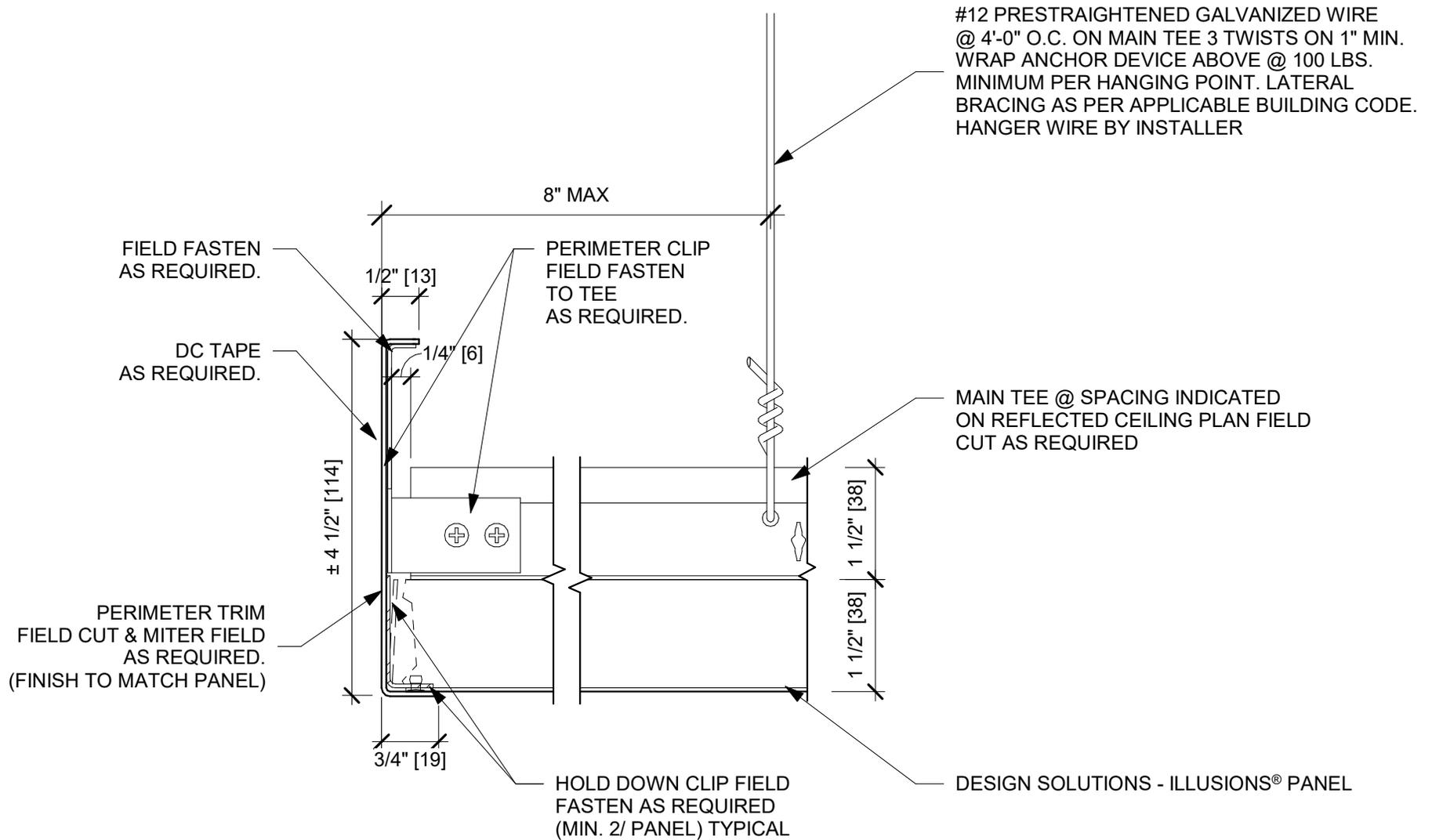
1 Perimeter Floating 3-1/4" Trim - Main Tee
6" = 1'-0"



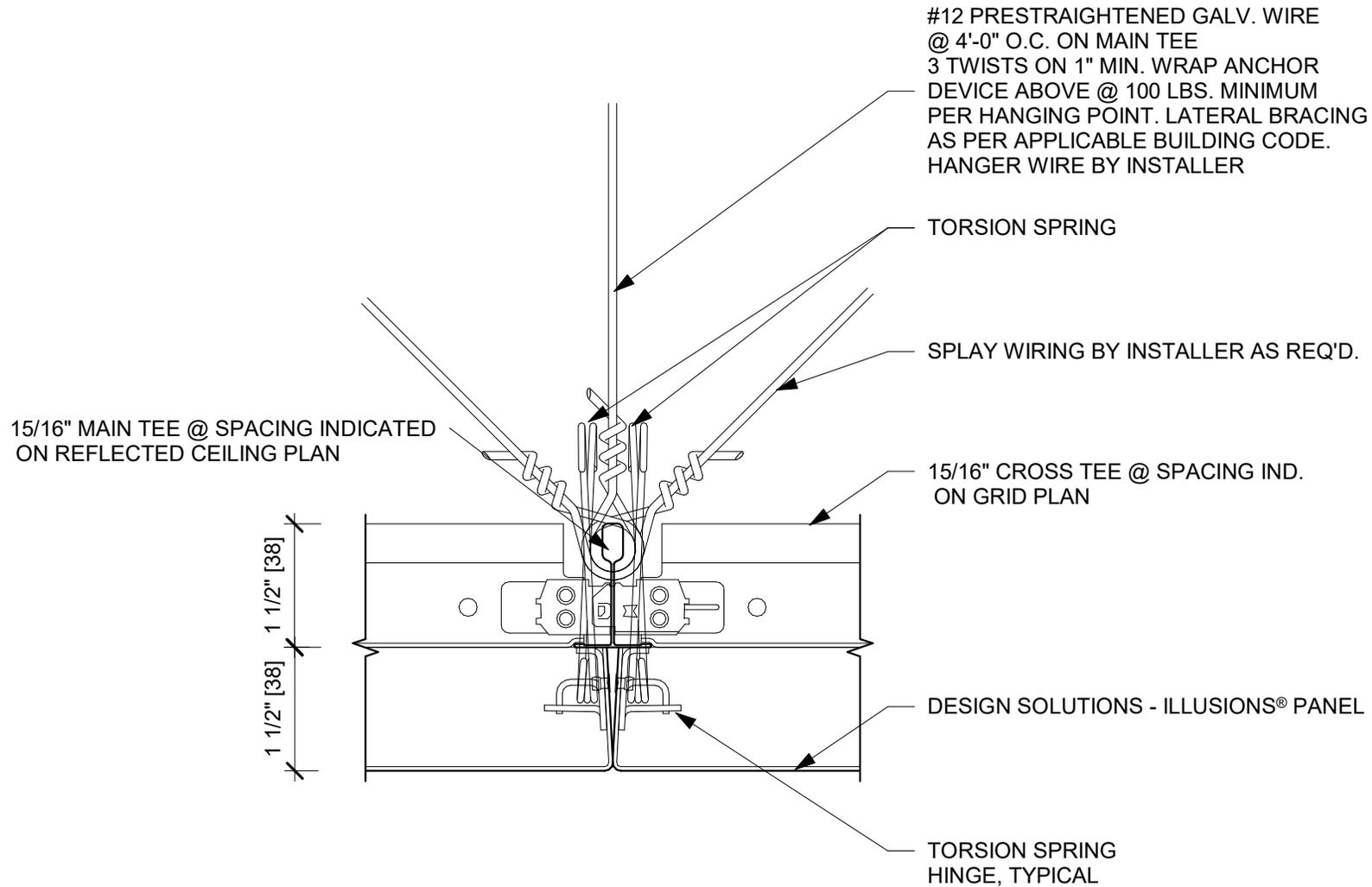
① Perimeter Floating 3-1/4" Trim Cross Tee with 1/2" Spacer
6" = 1'-0"



① Perimeter Floating 3-1/4" Trim - Cross Tee
6" = 1'-0"



① Perimeter Floating 4-1/2" Trim - Field Cut Main Tee
6" = 1'-0"



① Panel Tight Joint - Cross Tee
6" = 1'-0"

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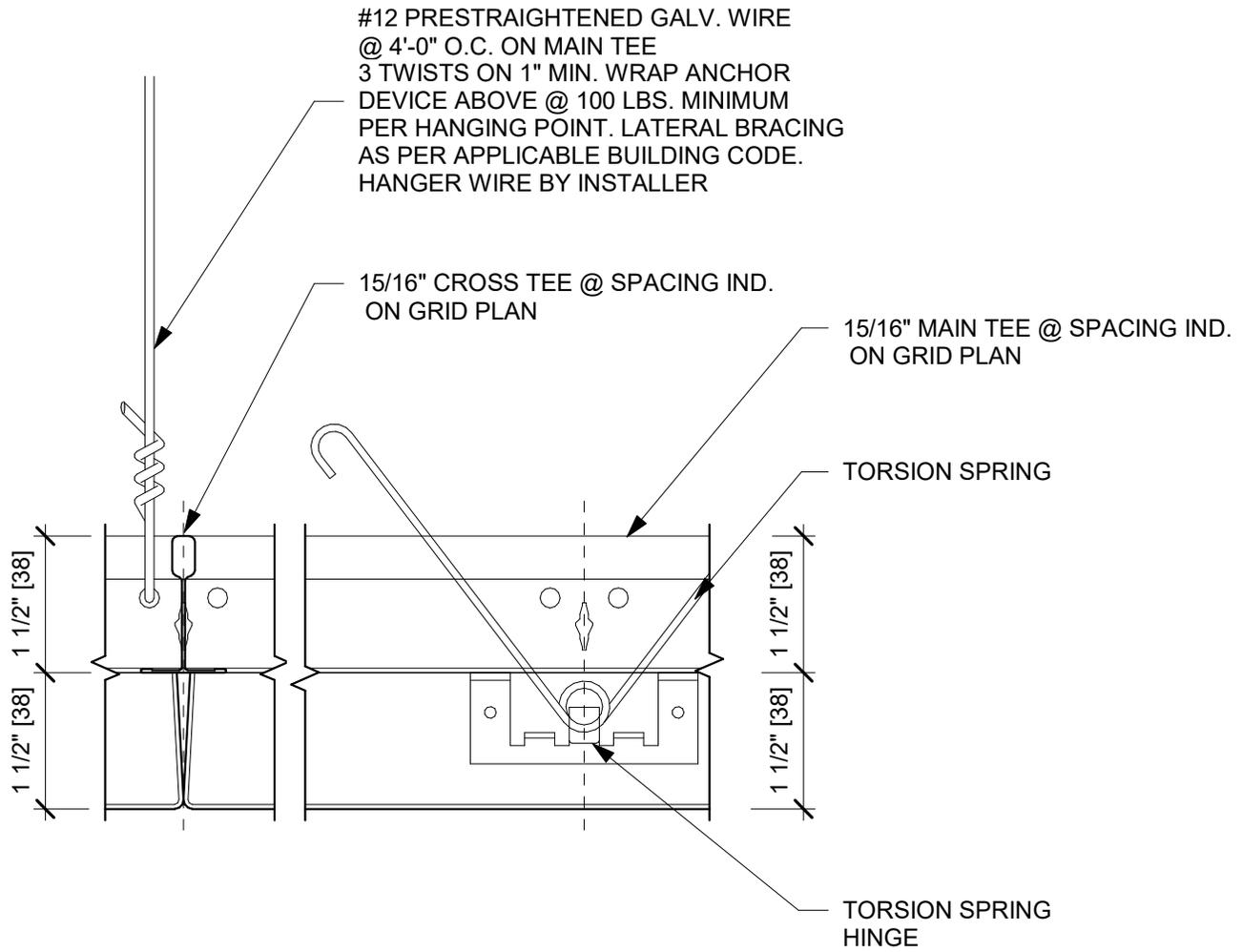
REV: DATE:

SHEET INFORMATION:

SCALE: 6" = 1'-0"

ILL-DS-PJ-01

PANEL JOINT DETAIL ILL-PJ01



1 Panel Tight Joint - Main Tee
6" = 1'-0"

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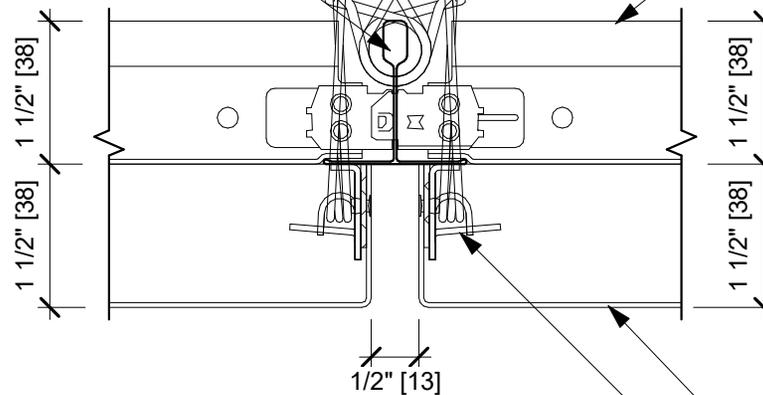
ISSUE RECORD:

09/02/22	
REV:	DATE:

SHEET INFORMATION:
SCALE: 6" = 1'-0"
ILL-DS-PJ-01C
PANEL JOINT DETAIL ILL-PJ01C

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1 1/2" MAIN TEE @ SPACING INDICATED ON REFLECTED CEILING PLAN



#12 PRESTRAIGHTENED GALV. WIRE @ 4'-0" O.C. ON MAIN TEE
3 TWISTS ON 1" MIN. WRAP ANCHOR DEVICE ABOVE @ 100 LBS. MINIMUM PER HANGING POINT. LATERAL BRACING AS PER APPLICABLE BUILDING CODE. HANGER WIRE BY INSTALLER

TORSION SPRING

SPLAY WIRING BY INSTALLER AS REQUIRED

1 1/2" CROSS TEE @ SPACING INDICATED ON REFLECTED CEILING PLAN

DESIGN SOLUTIONS - ILLUSIONS® PANEL

TORSION SPRING HINGE

① Panel Joint 1/2" Reveal with 1/16" Spacer - Cross Tee
6" = 1'-0"

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CEILINGS PLUS®

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SYSTEM DETAILS - 1-1/2" FORMED METAL PANELS**

ISSUE RECORD:

09/02/22

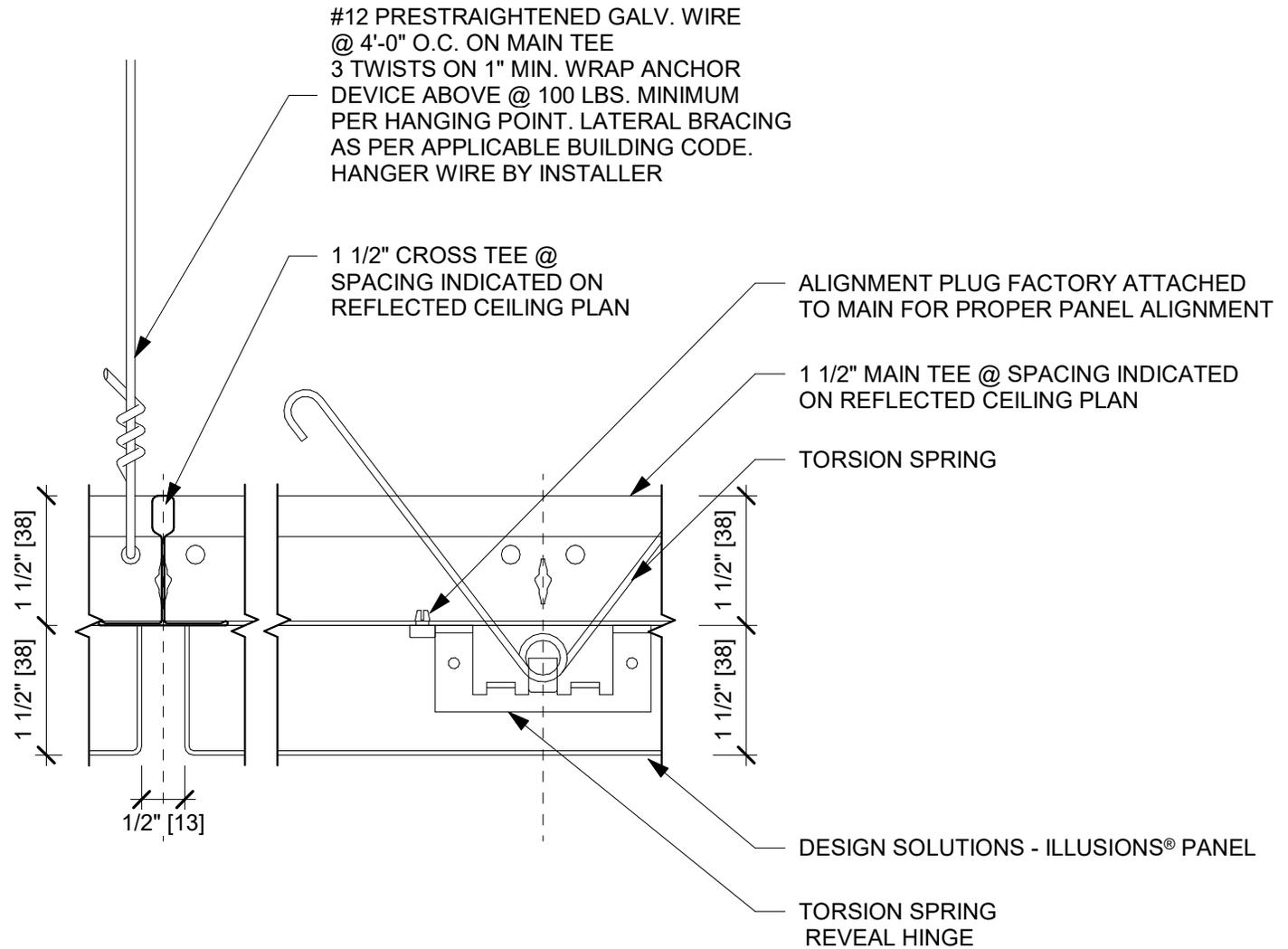
REV: DATE:

SHEET INFORMATION:

SCALE: 6" = 1'-0"

ILL-DS-PJ-02

PANEL JOINT DETAIL ILL-PJ02



1 Panel Joint 1/2" Reveal - Main Tee
6" = 1'-0"