



TECHNICAL DESIGN CATALOG



1-800-275-2279



Disclaimer:

The Steeler Technical Design Catalog is a collection of typical designs for steel framing and connections to help guide with your design process. The Catalog should only be used as a guide, as these are typical designs and have not been tested in all situations or scenarios. You should consult with your architecture and engineering firms during the design process before applying any of the typical designs or ideas. Local building codes may require certain designs and may have special considerations that you may not be familiar with.



ICBO ES REPORT #4389P

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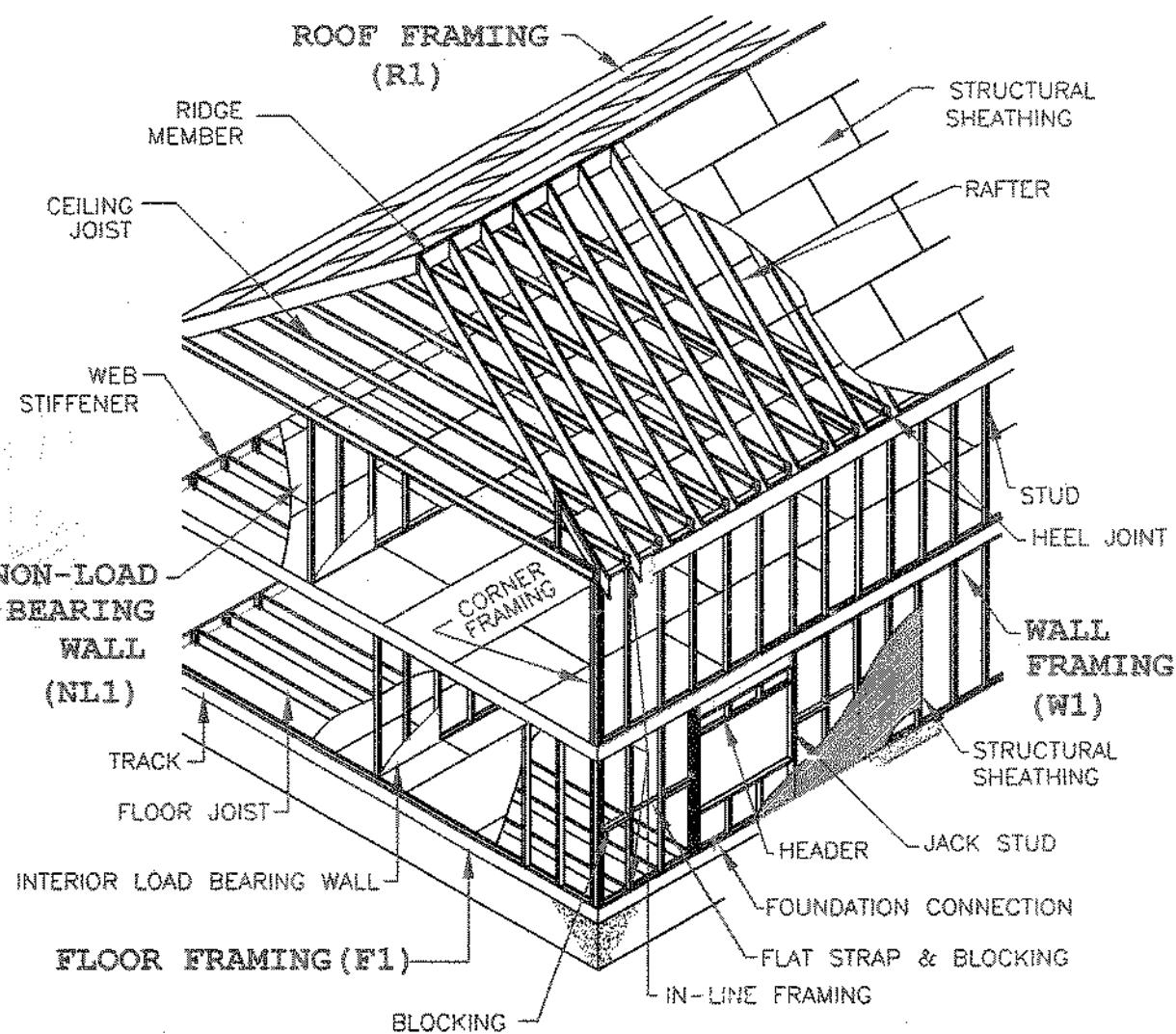
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SCHEMATIC OF TYPICAL STEEL-FRAMED HOUSE DETAIL G1

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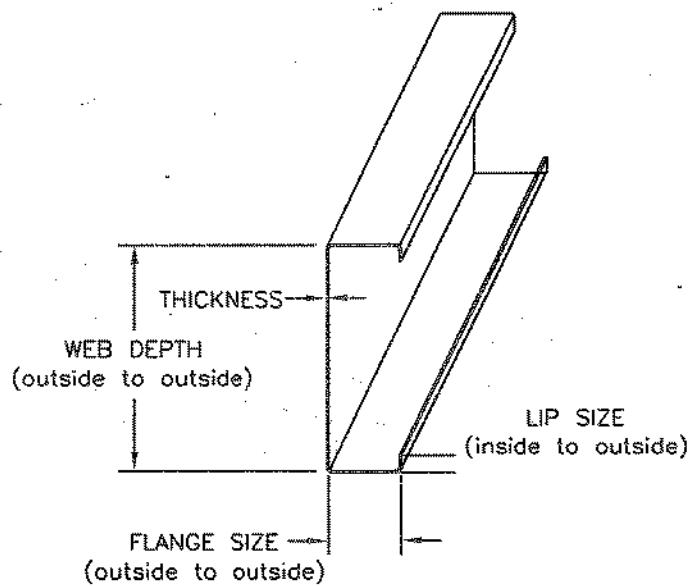
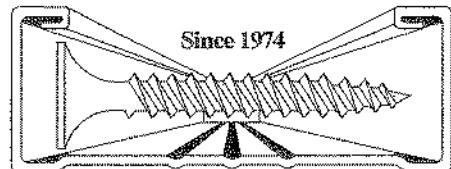
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C-SHAPE CONFIGURATION DETAIL G2

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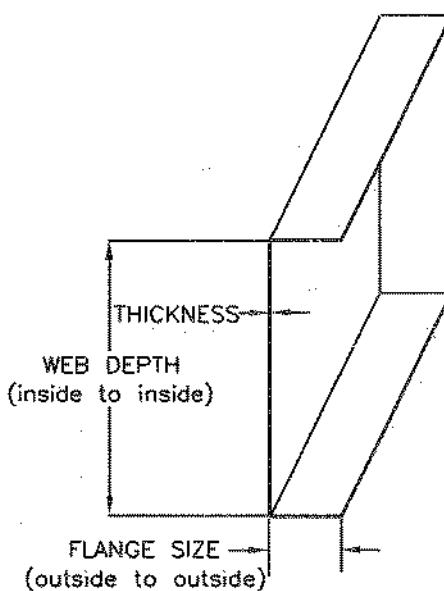
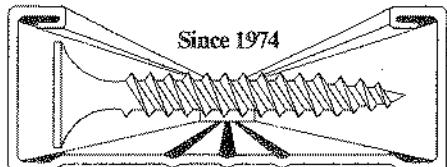
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TRACK CONFIGURATION DETAIL G3

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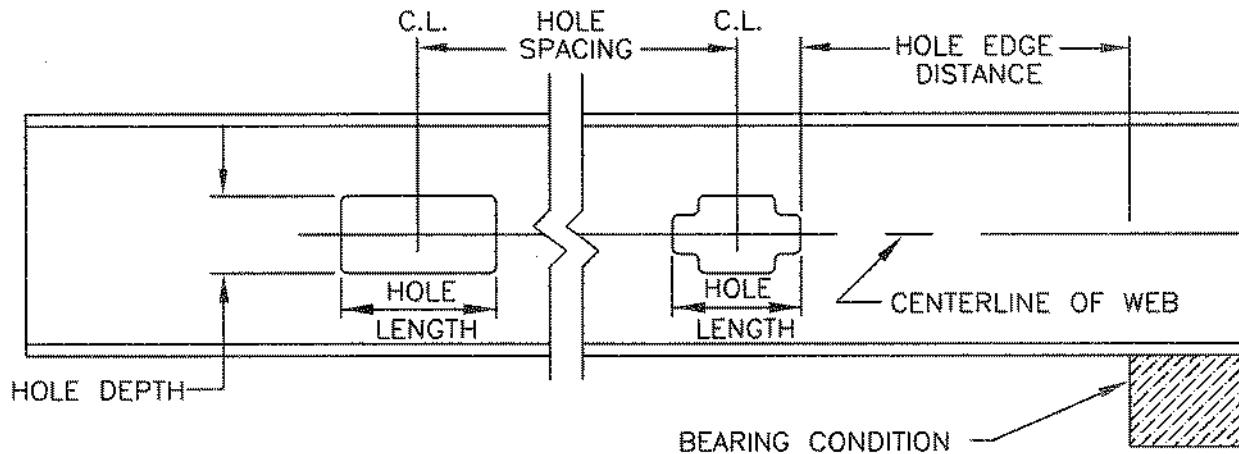
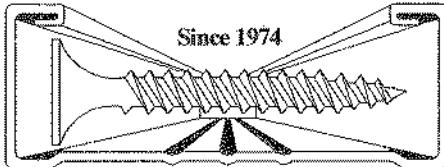
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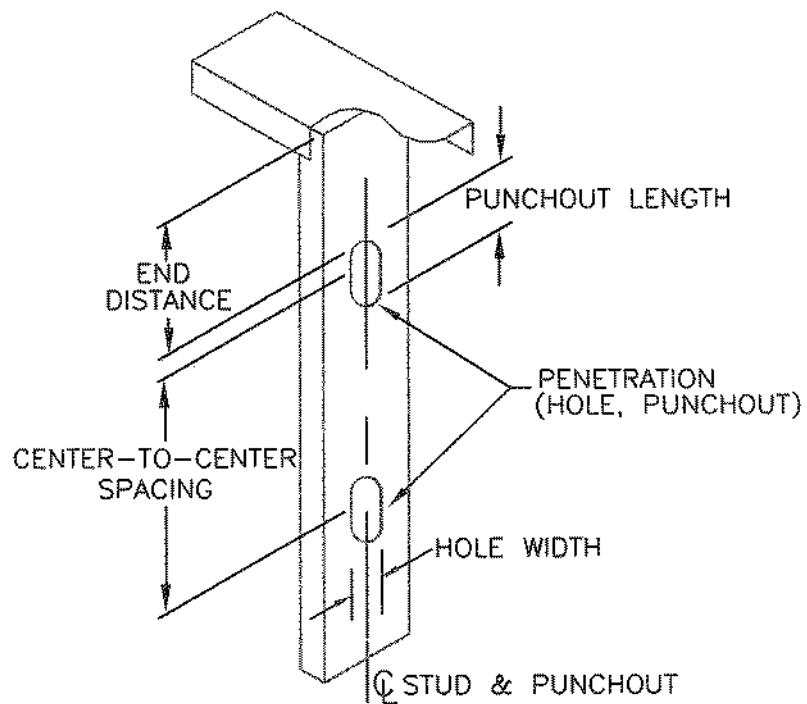
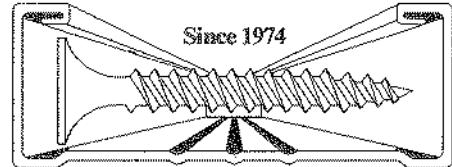
JOIST WEB HOLE DETAIL G4

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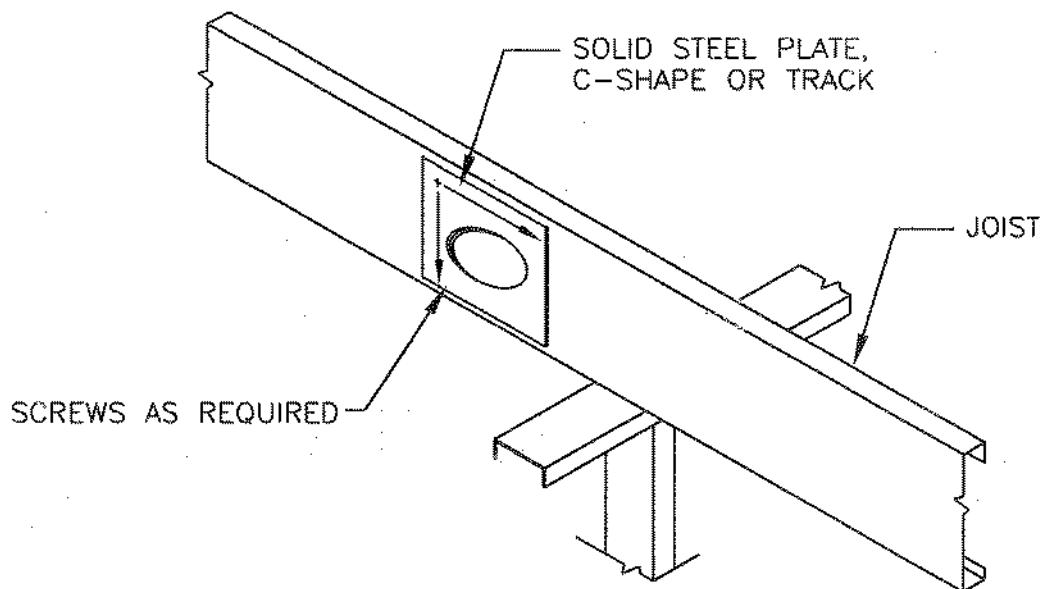
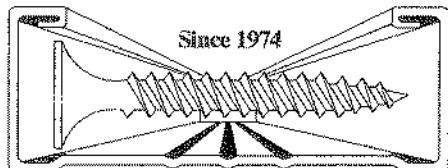
STUD WEB HOLES DETAIL G5

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JOIST WEB HOLE PATCH DETAIL G6

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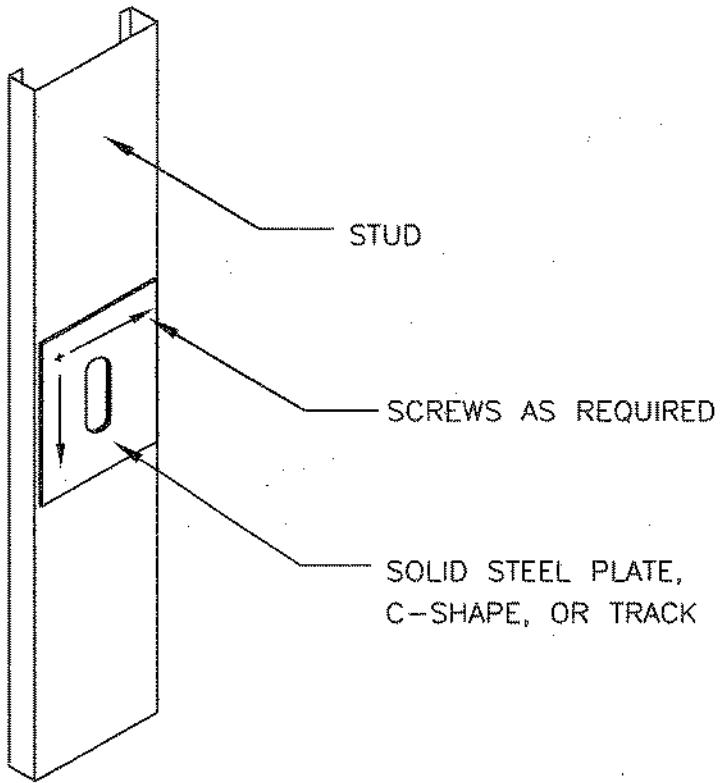
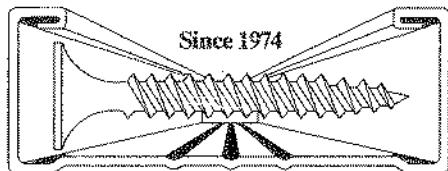
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STUD WEB HOLE PATCH DETAIL G7

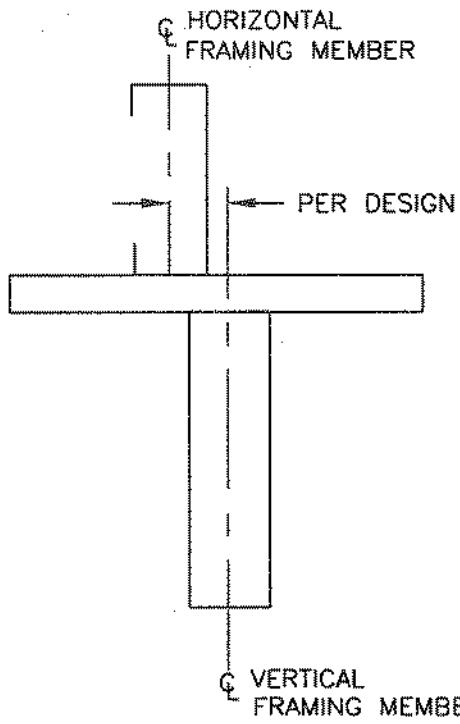
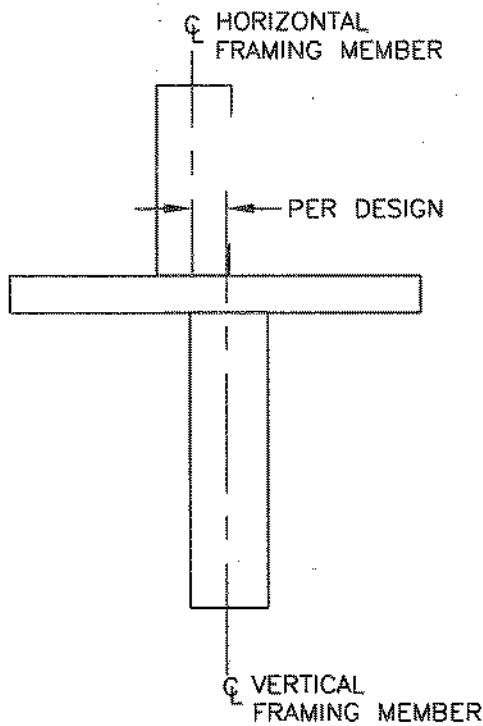
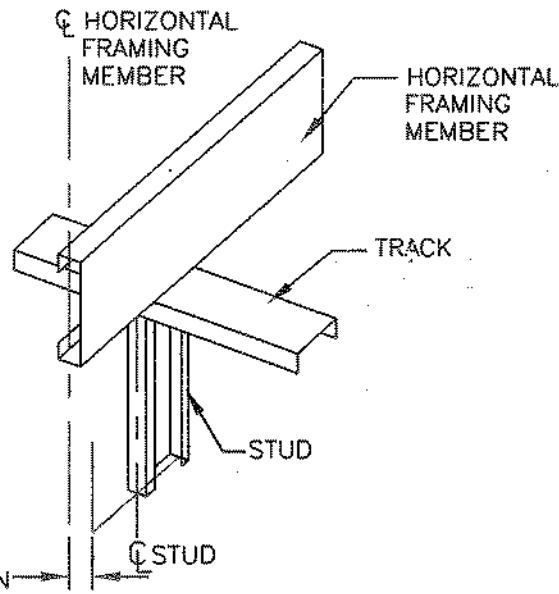
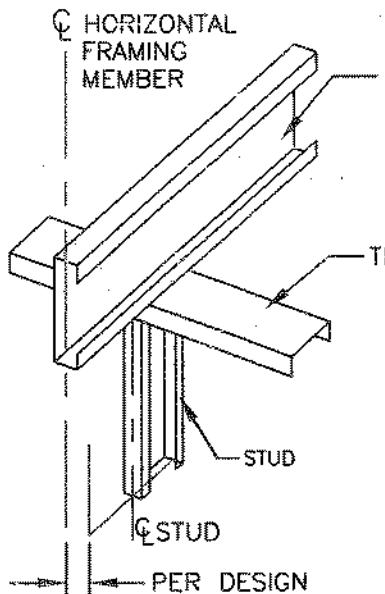
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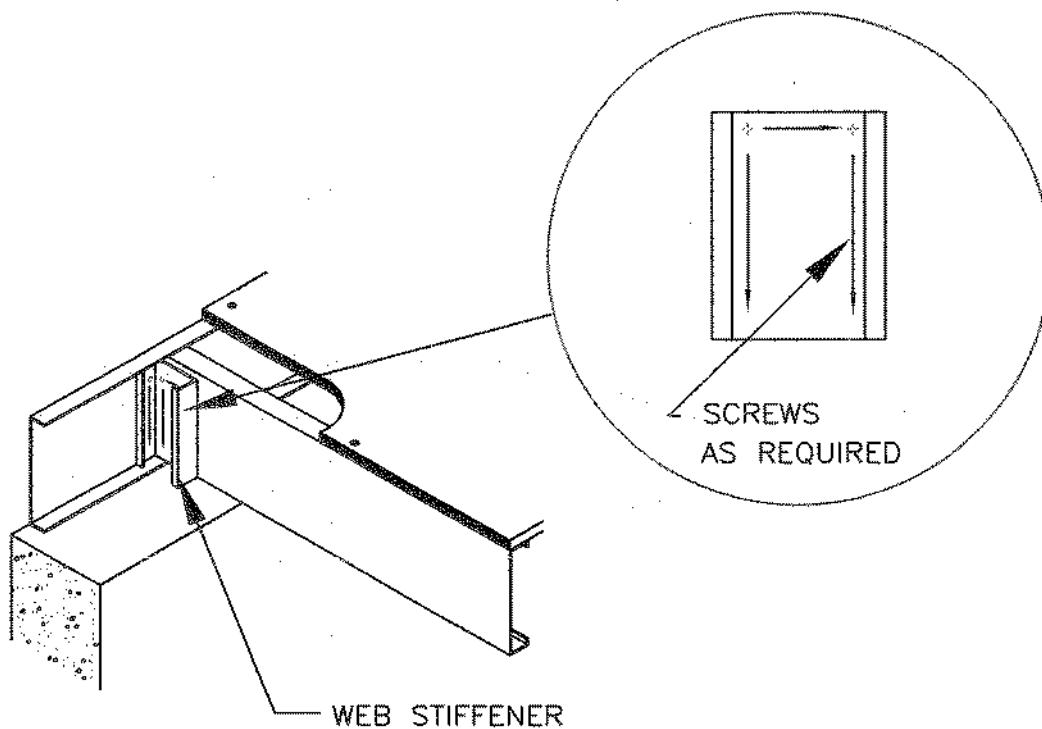
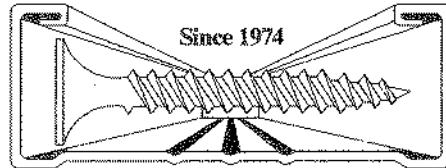


IN-LINE FRAMING DETAIL G8

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WEB STIFFENER DETAIL G9

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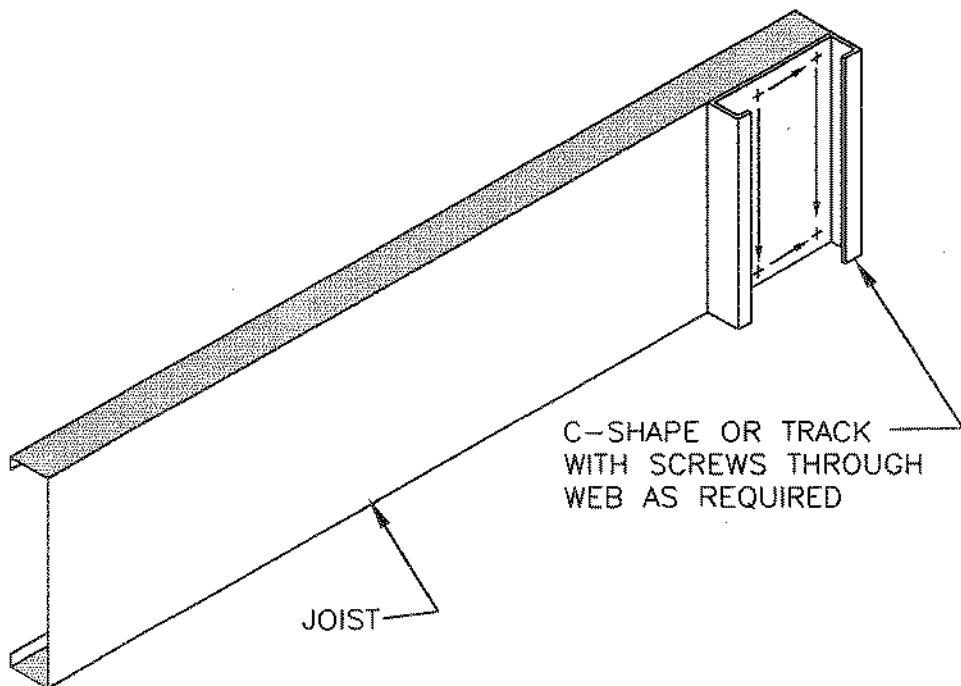
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WEB STIFFENER DETAIL G10

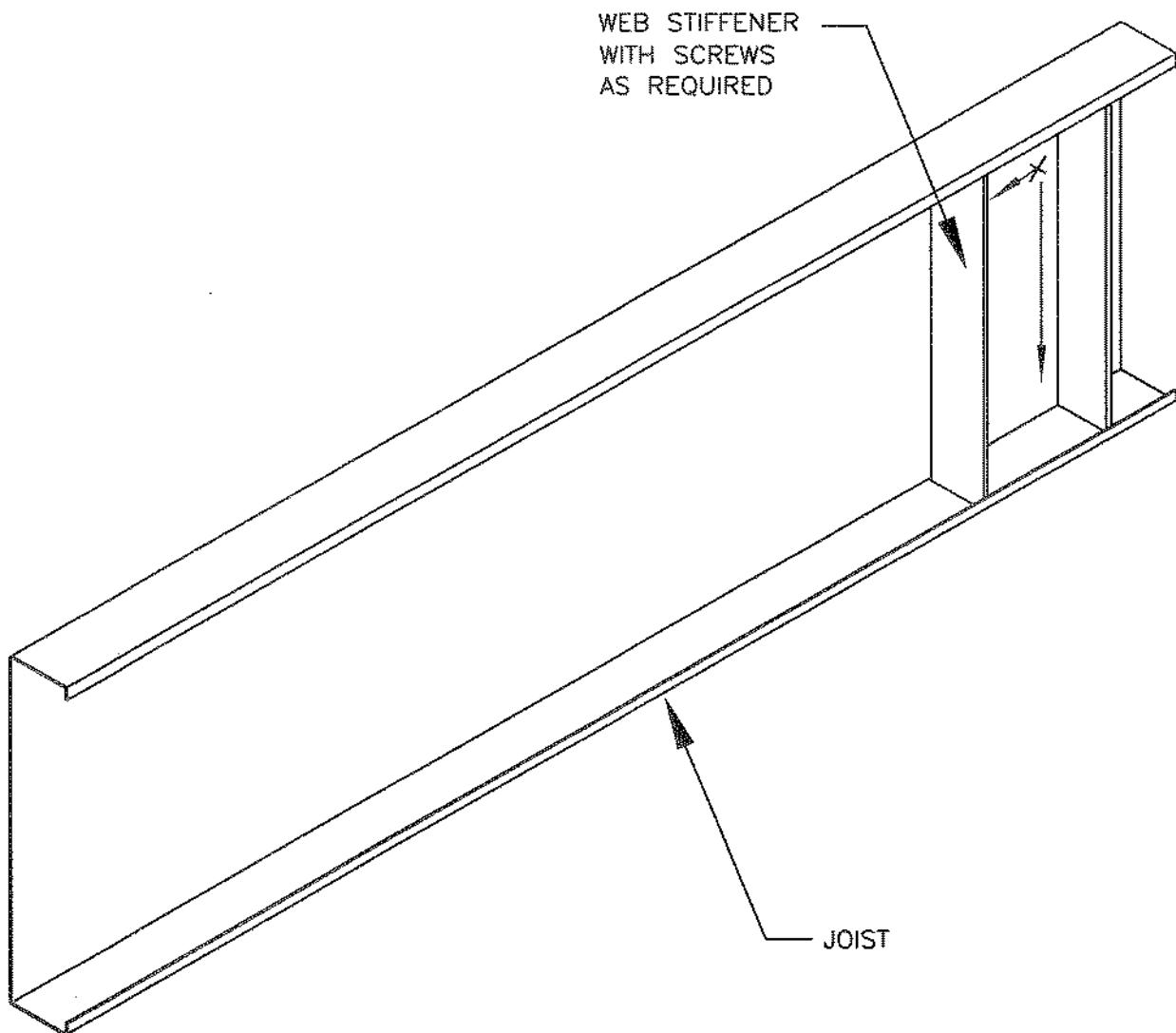
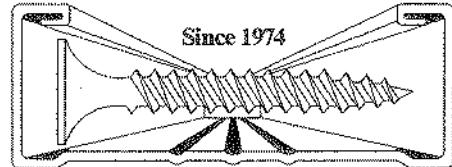
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WEB STIFFENER DETAIL G11

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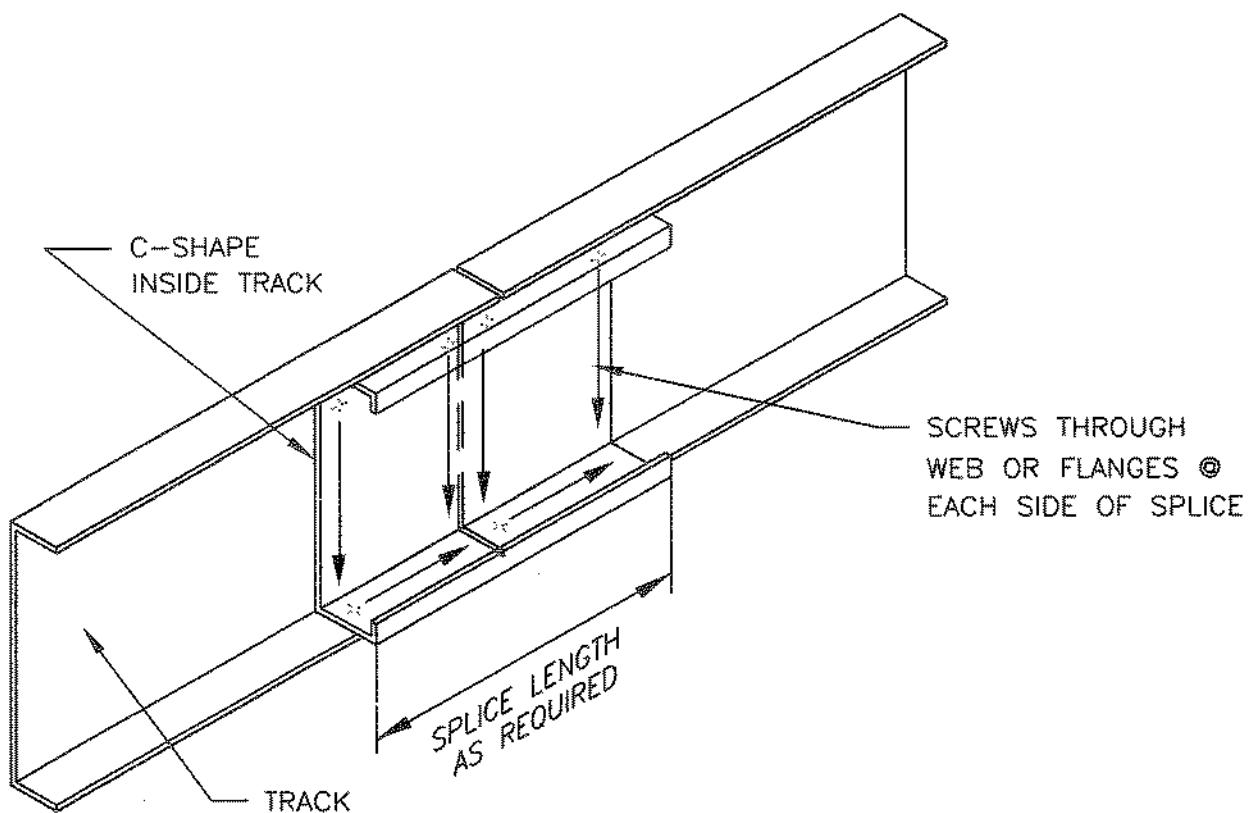
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TRACK SPLICE DETAIL G12

PROJECT:

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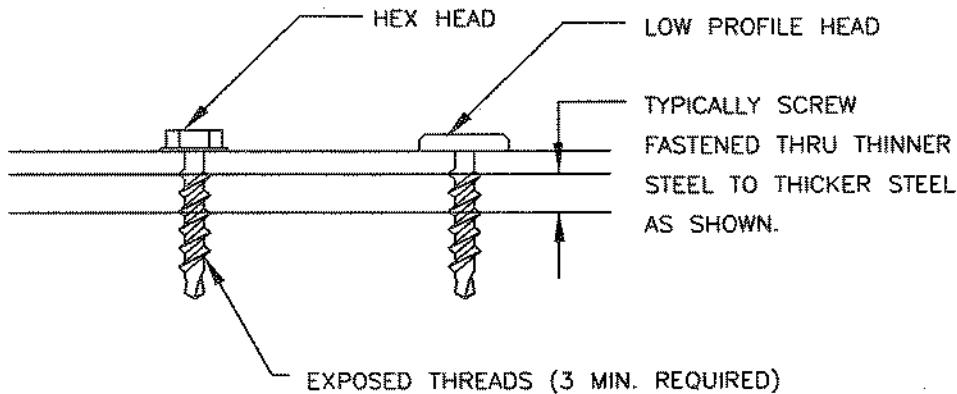
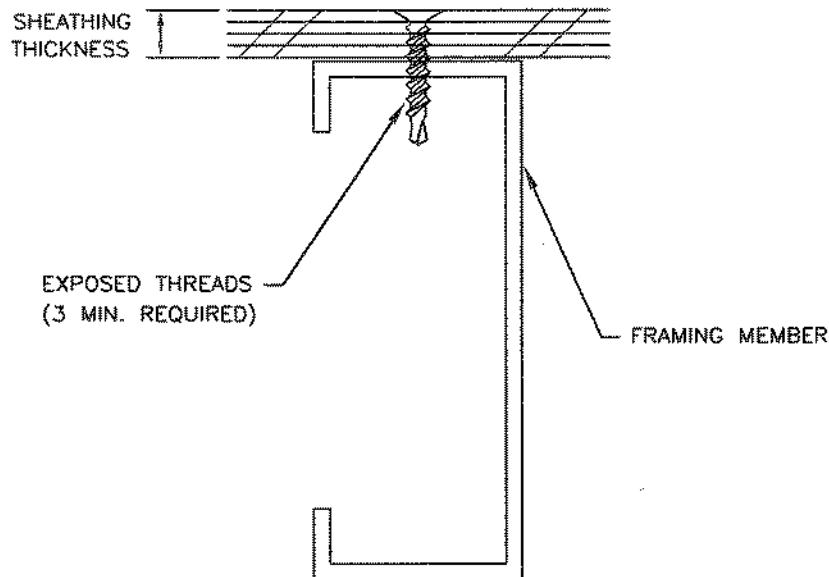
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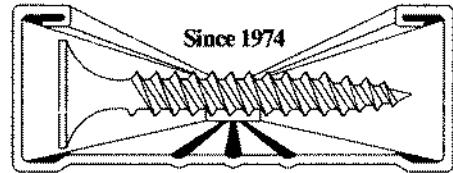
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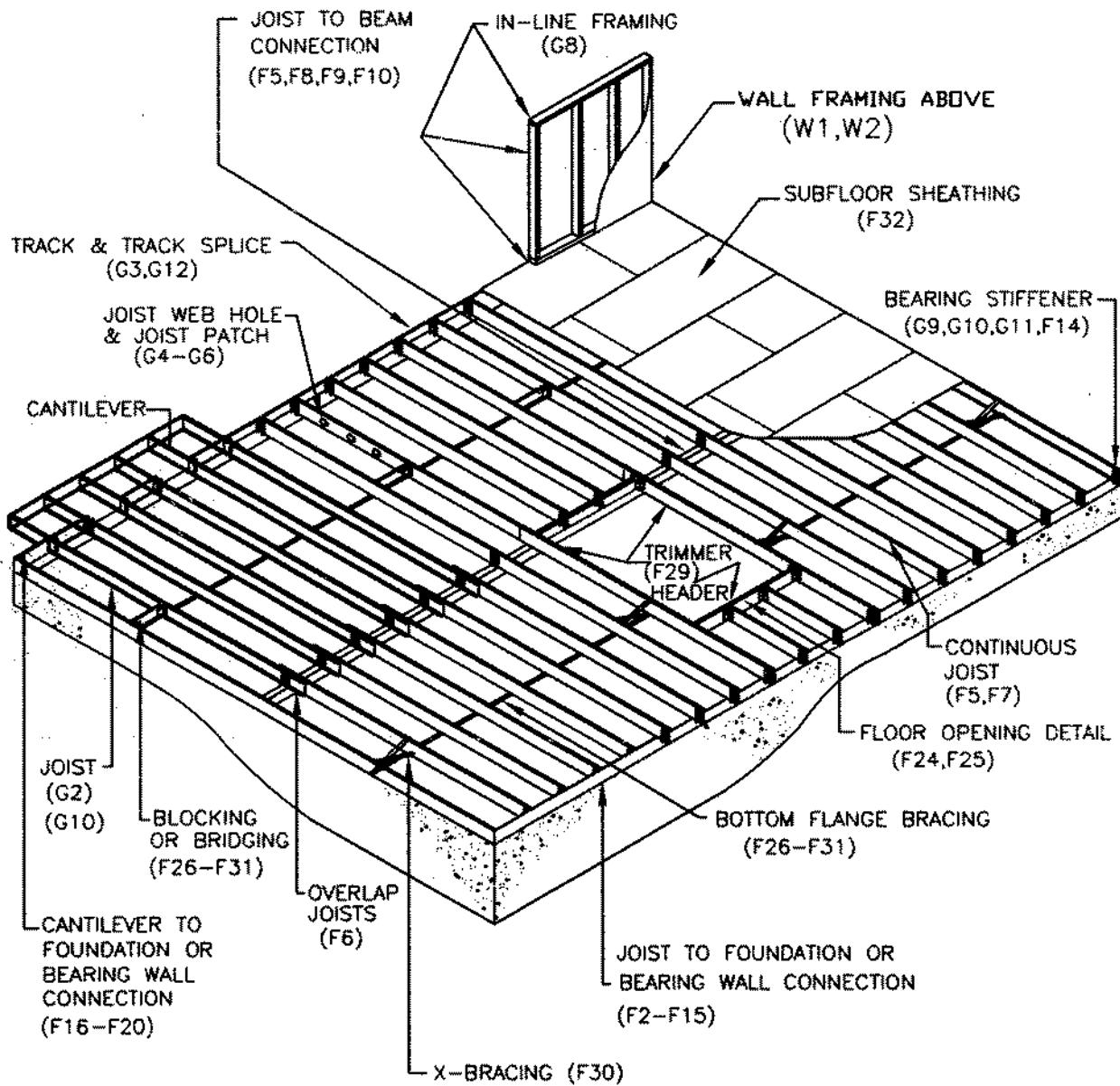


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- Detail F30 Bridging Detail

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FLOOR FRAMING DETAIL F1

PROJECT:

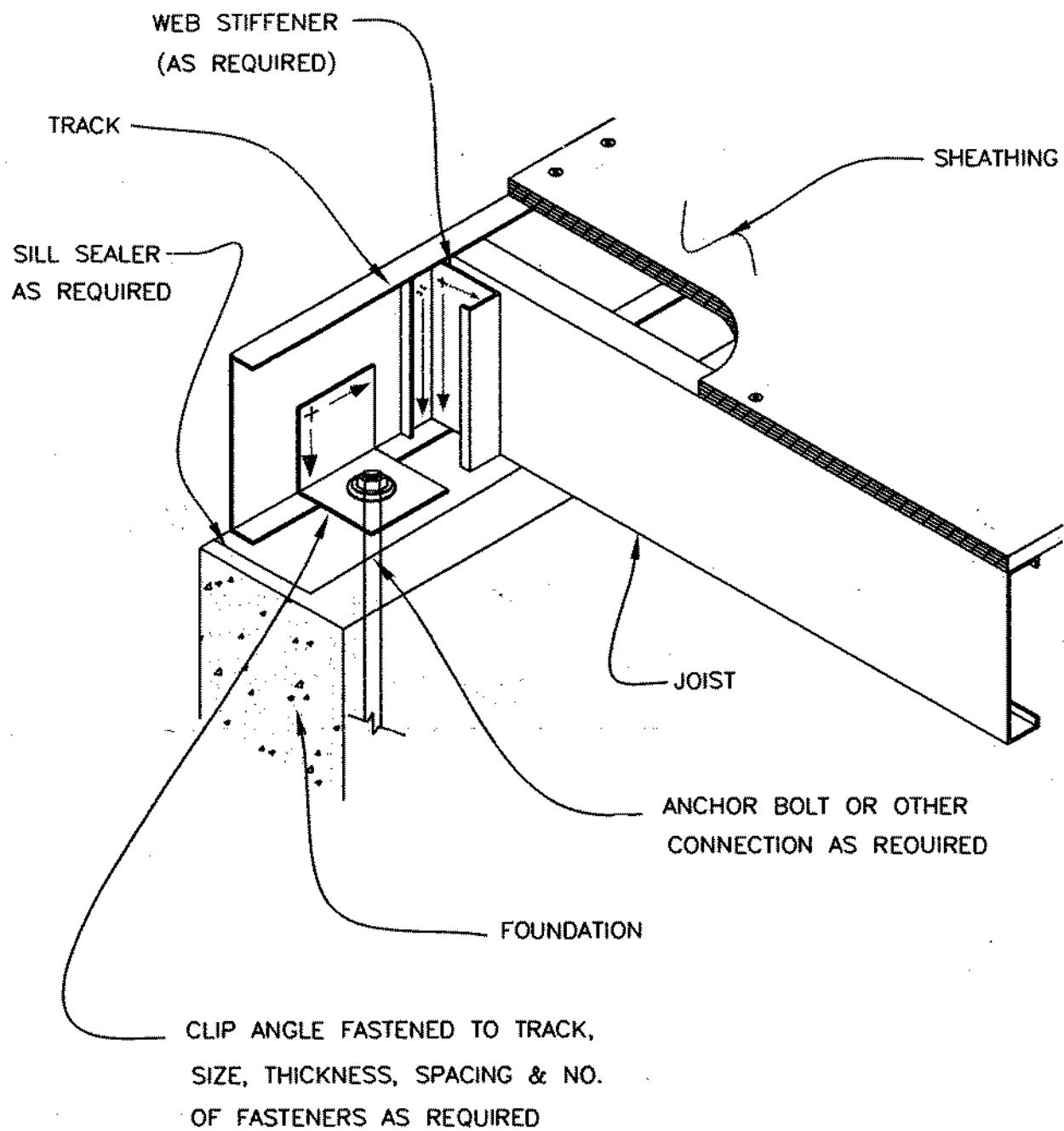
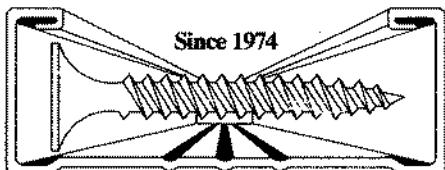
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FLOOR TO FOUNDATION CONNECTION DETAIL F2

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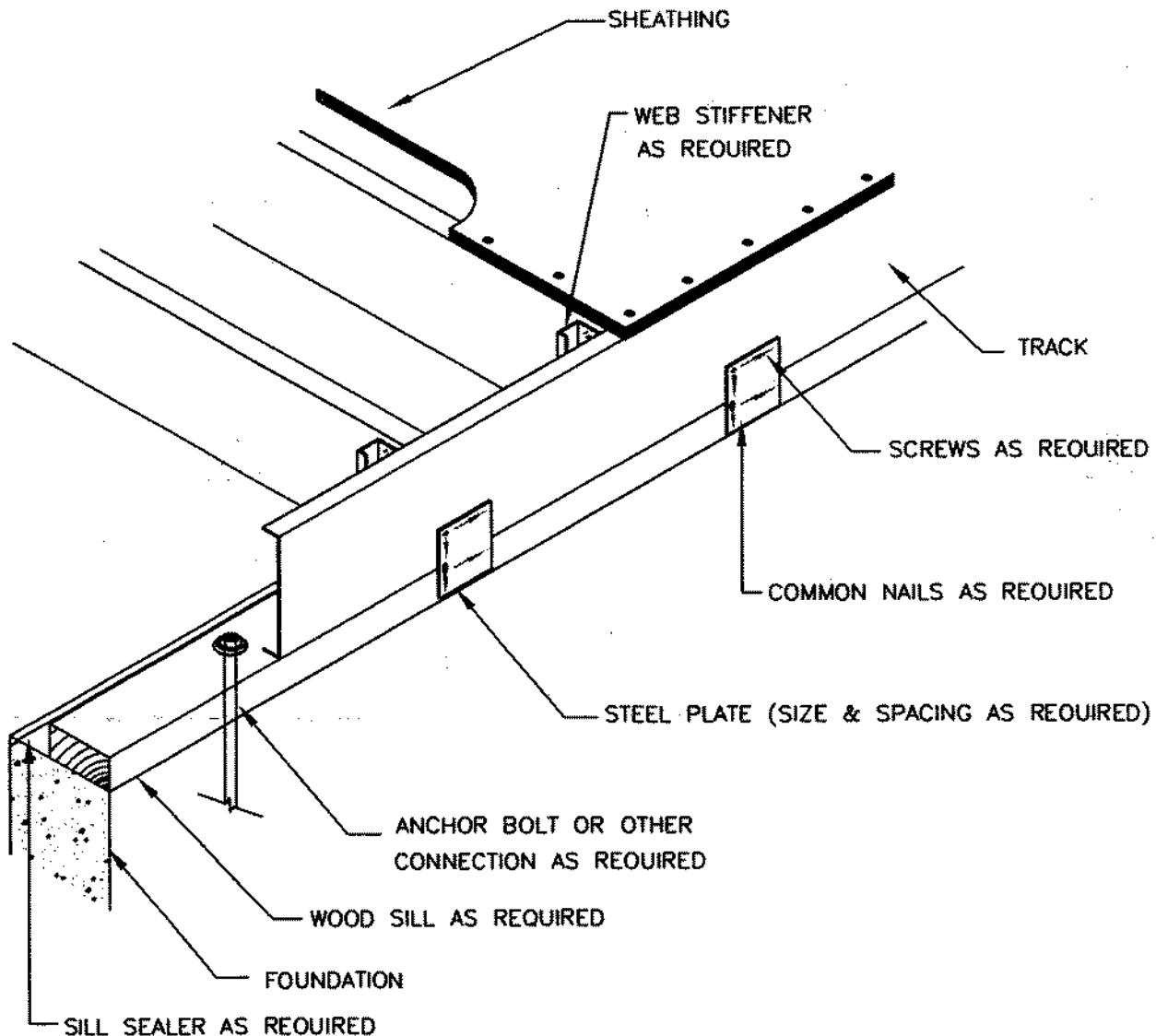
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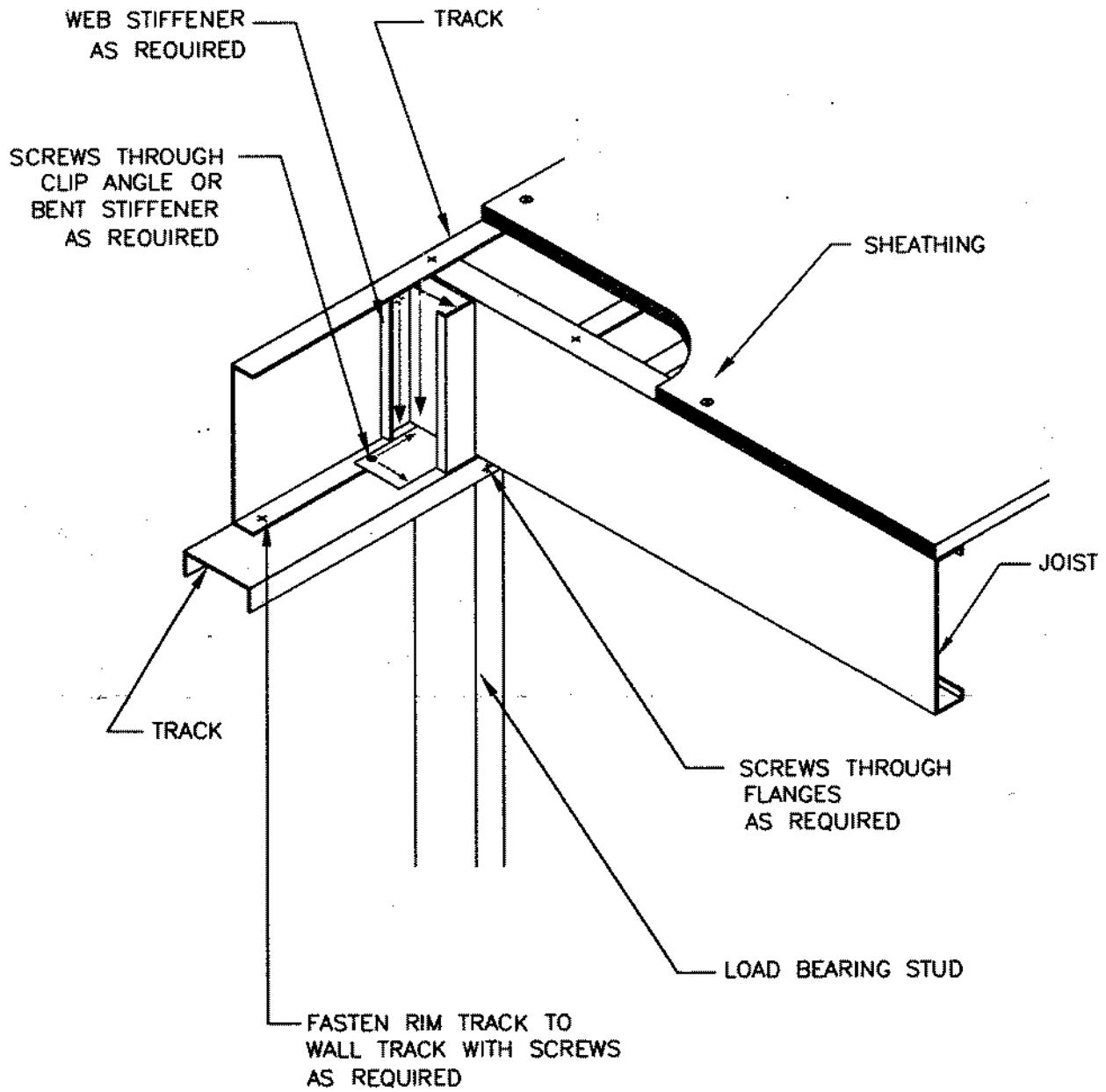


FLOOR TO WOOD SILL CONNECTION DETAIL F3

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FLOOR TO LOAD BEARING WALL CONNECTION DETAIL F4

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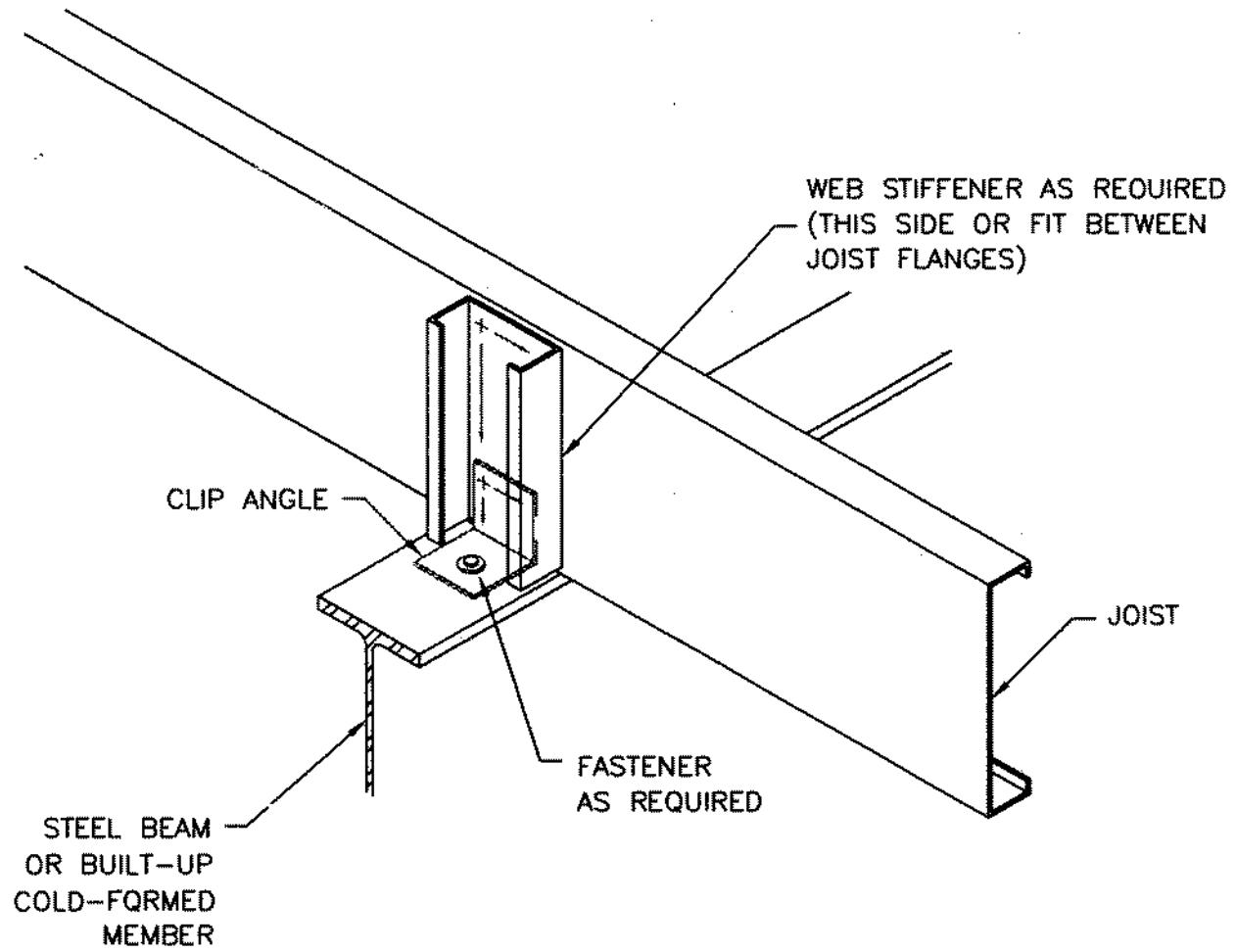
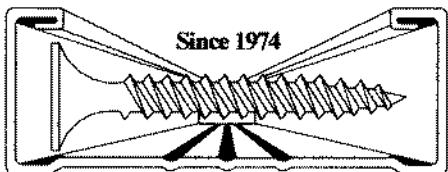
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FLOOR BEARING ON I-BEAM CONNECTION DETAIL F5

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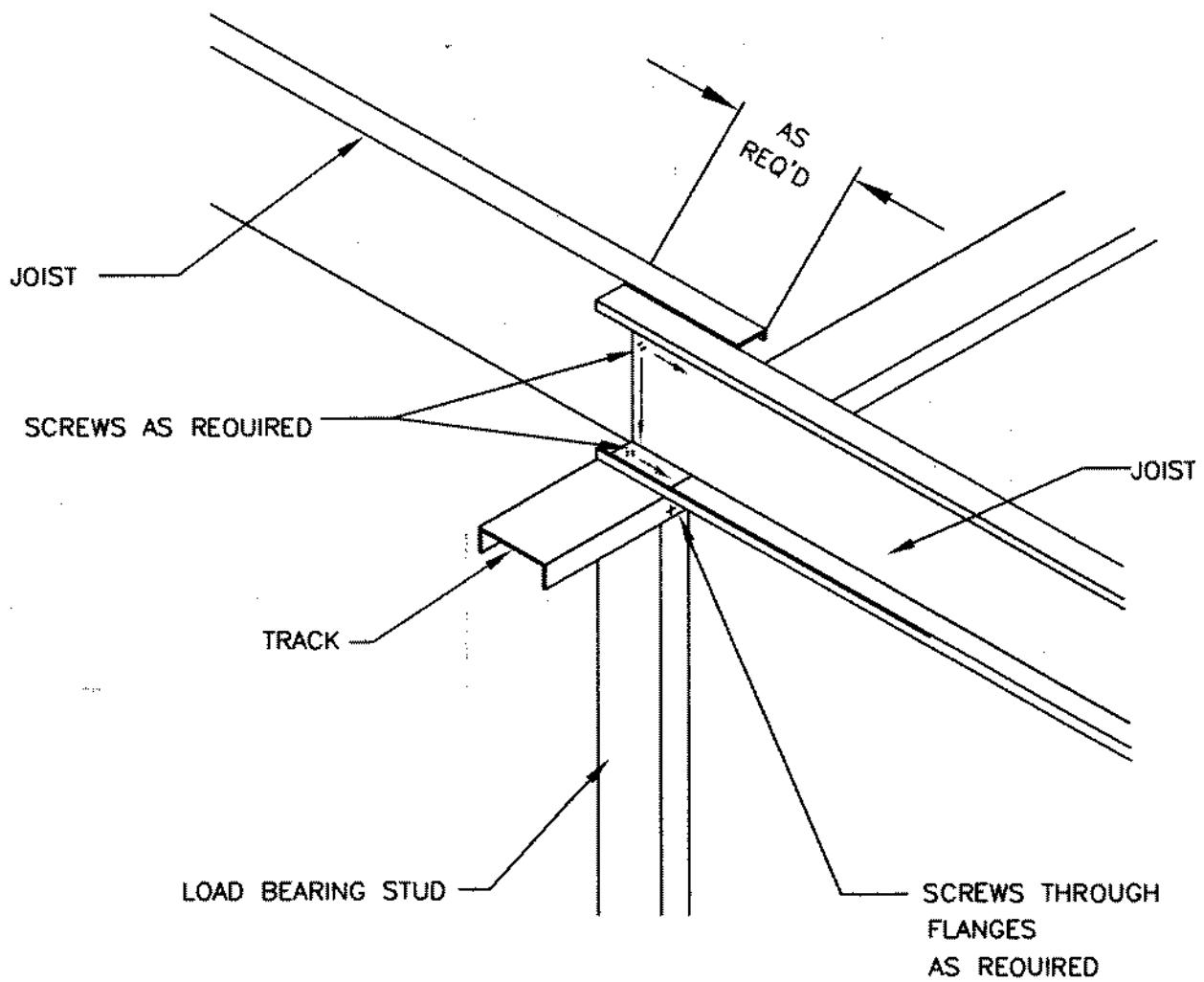
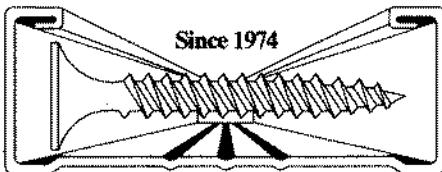
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LAPPED JOISTS DETAIL F6

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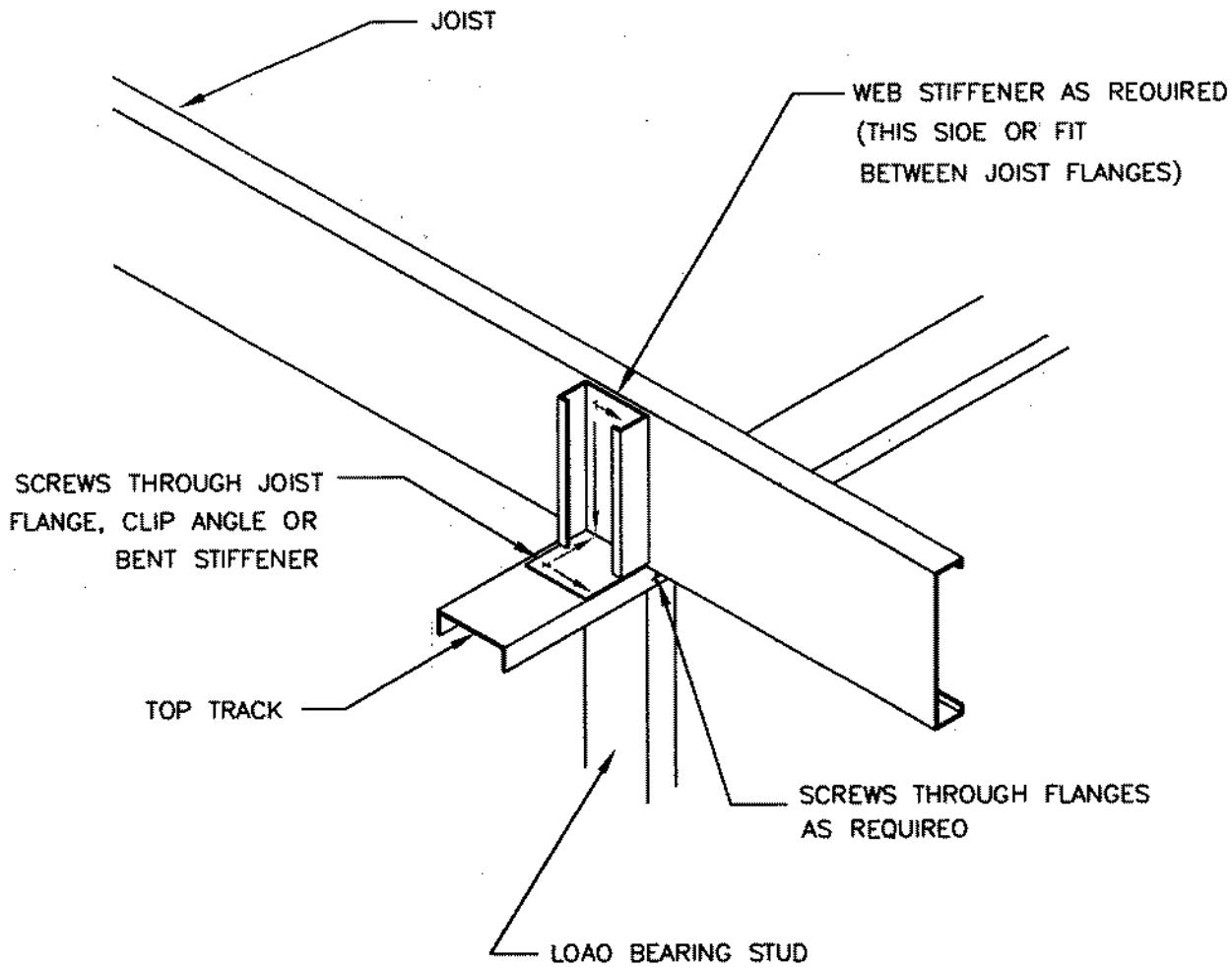
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CONTINUOUS JOIST DETAIL F7

PROJECT:

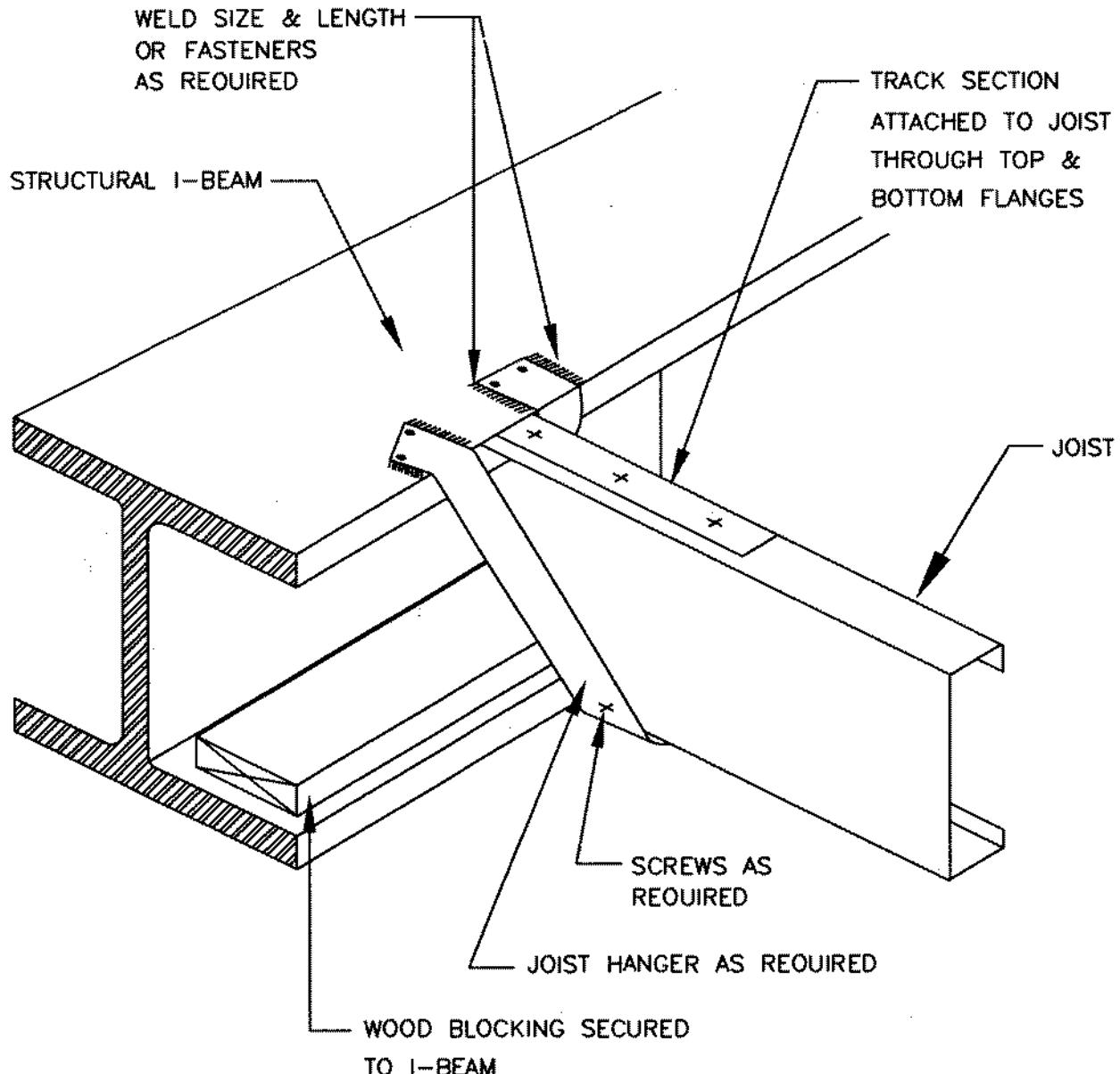
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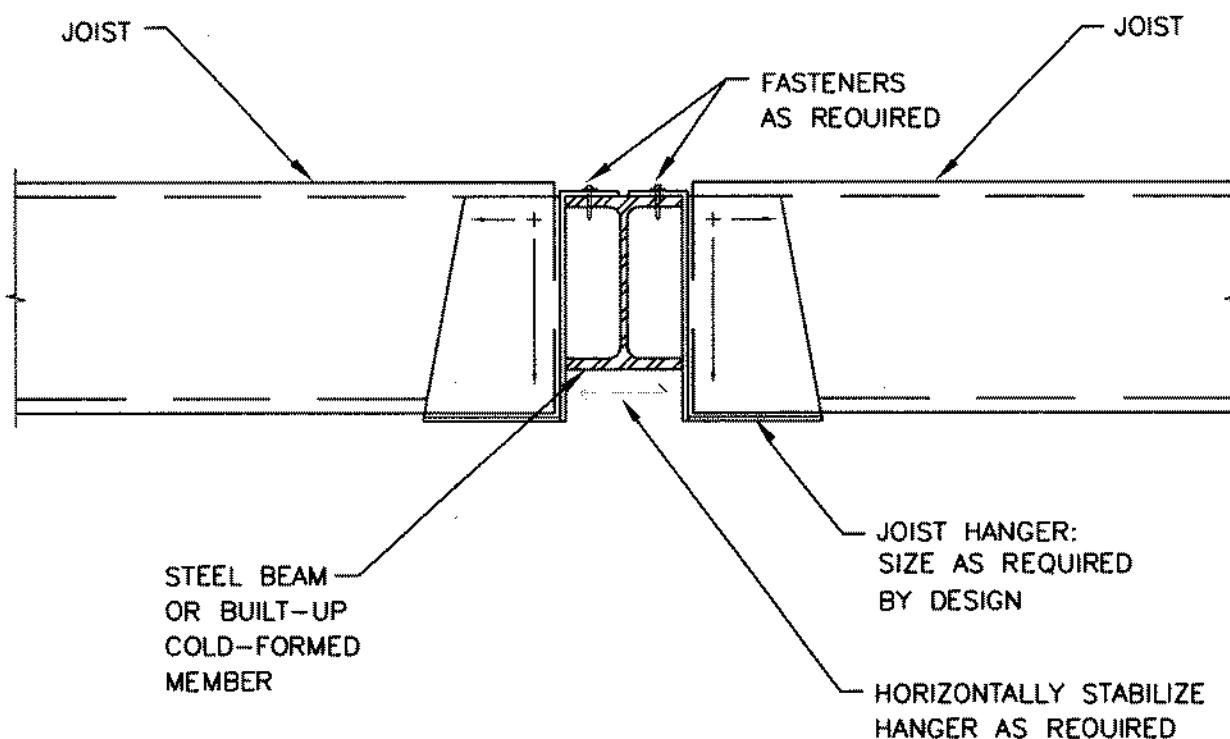
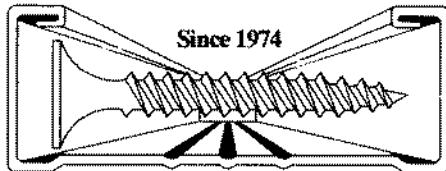


FLOOR TO I-BEAM SIDE CONNECTION DETAIL F8

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JOIST SUPPORTED BY SHALLOW I-BEAM DETAIL F9

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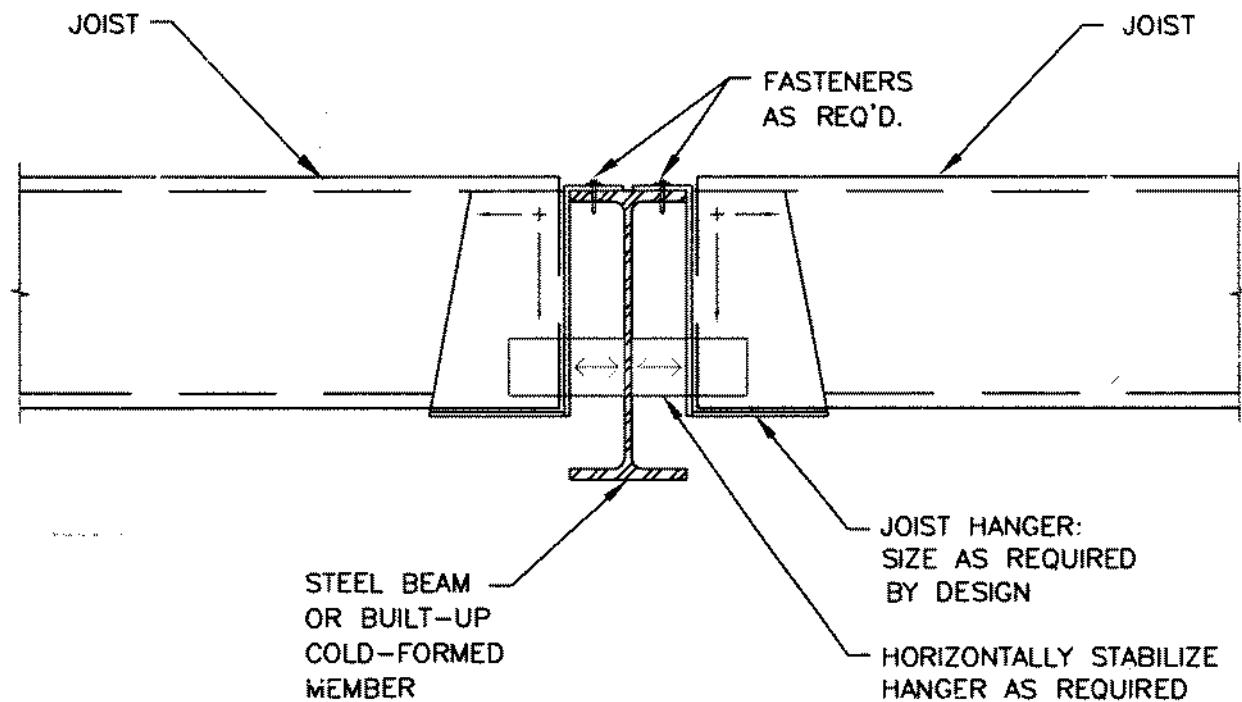
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DRYWALL CONSTRUCTION SUPPLY



JOISTS SUPPORTED BY DEEP I-BEAM DETAIL10

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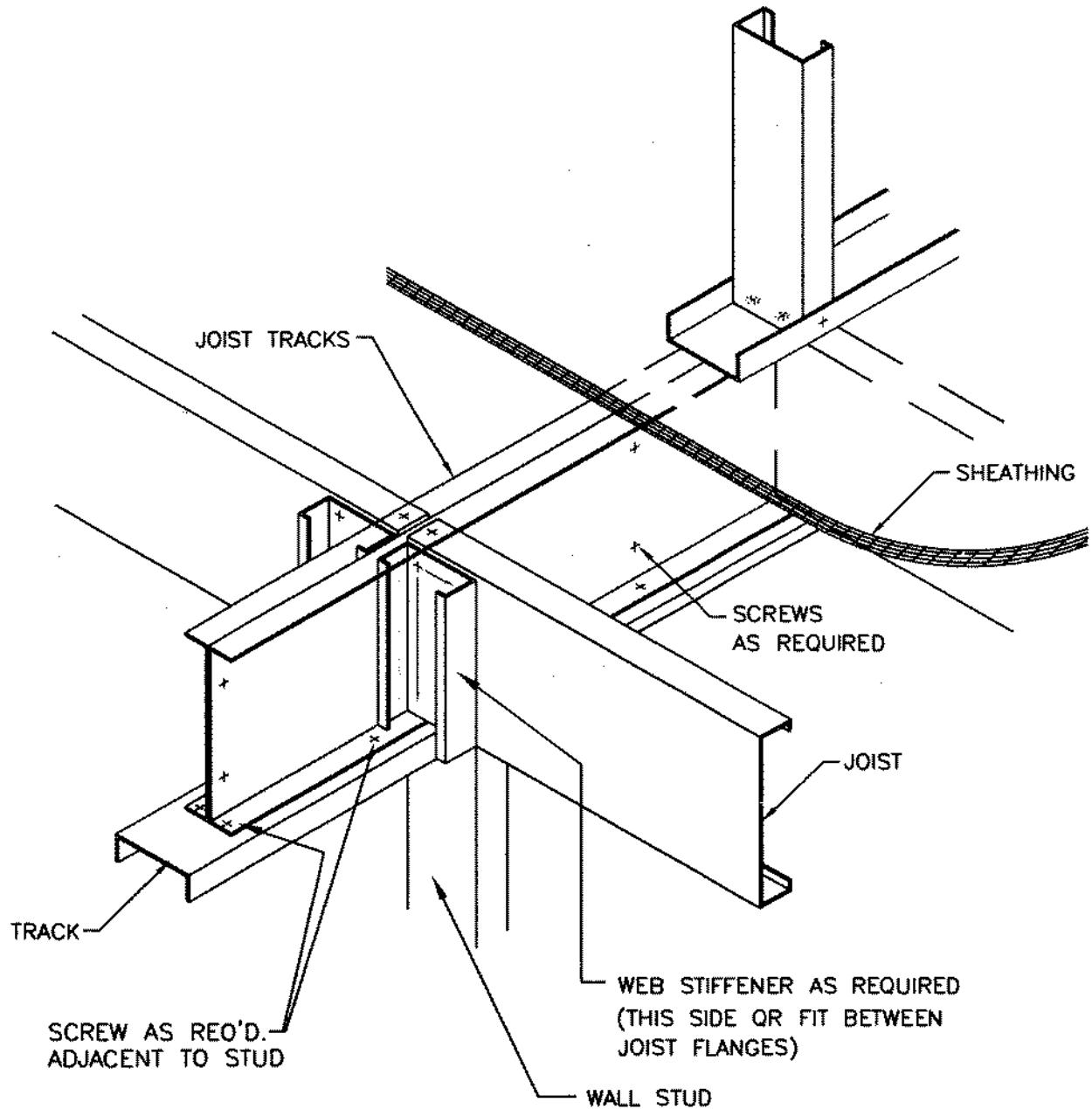
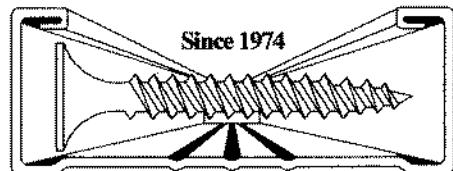
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FLOOR JOISTS AT INTERIOR BEARING WALL DETAIL 11

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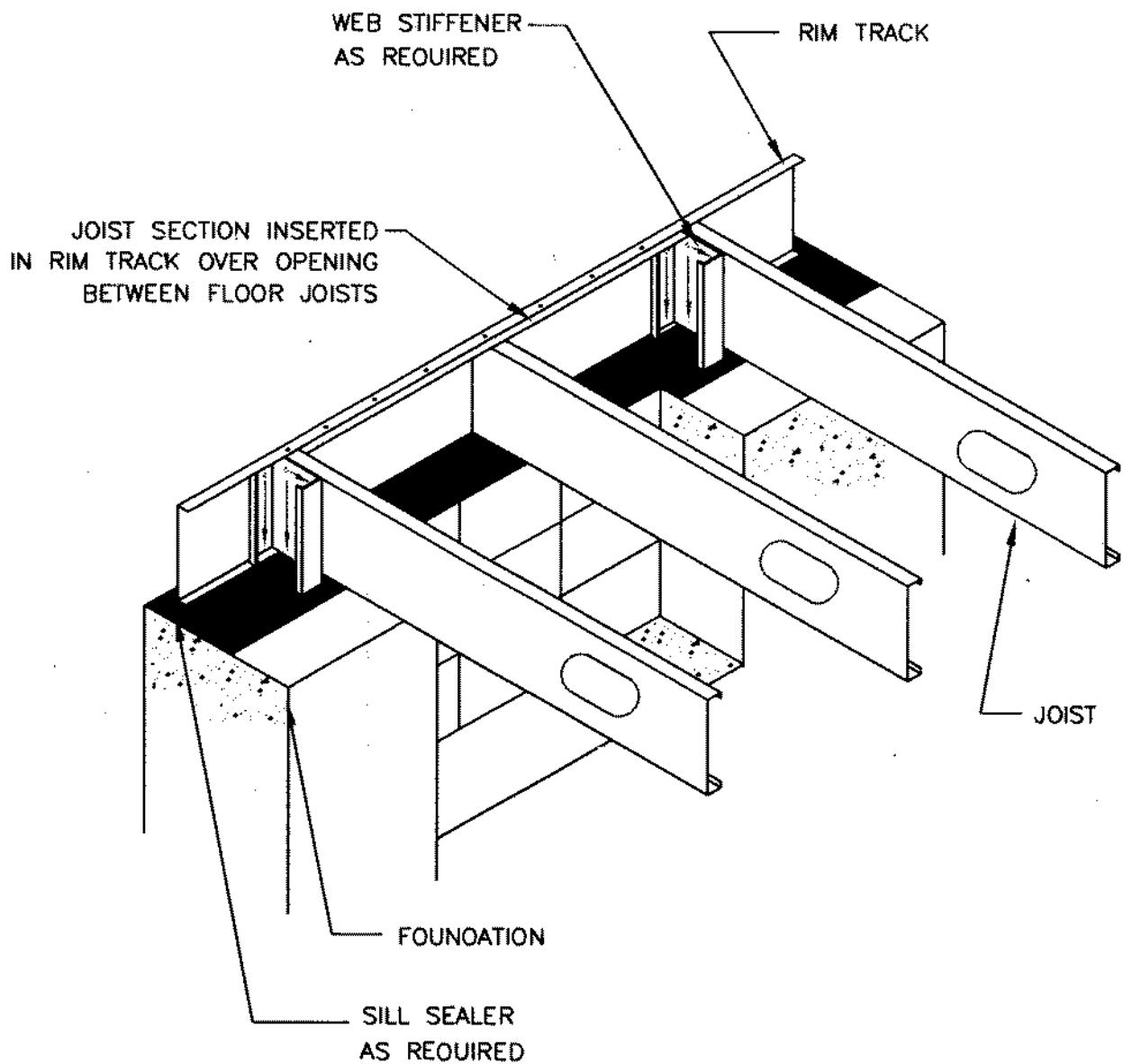
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JOISTS BEARING ON FOUNDATION AT OPENING DETAIL F12

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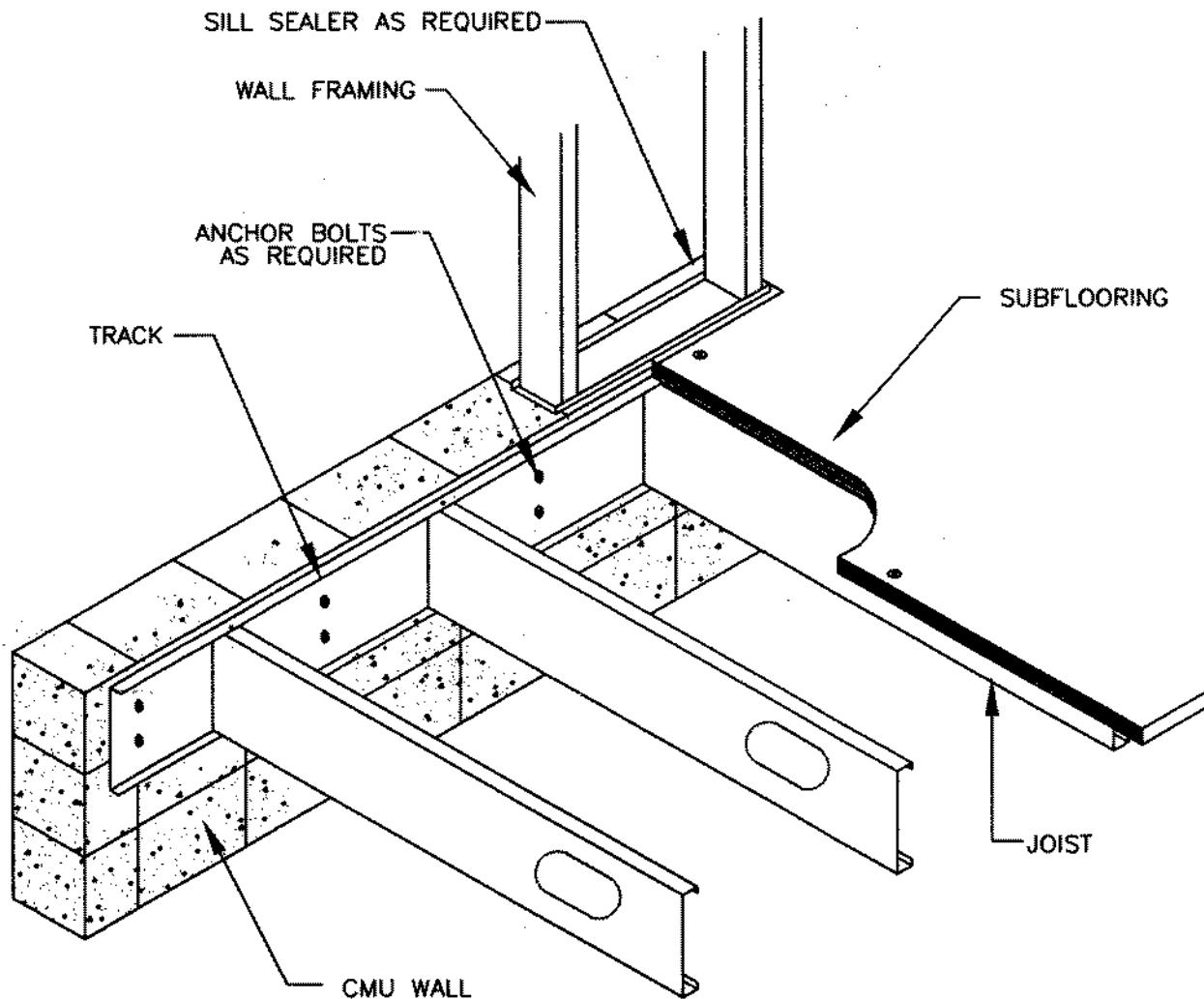
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FLOOR TO CMU WALL SIDE CONNECTION DETAIL F13

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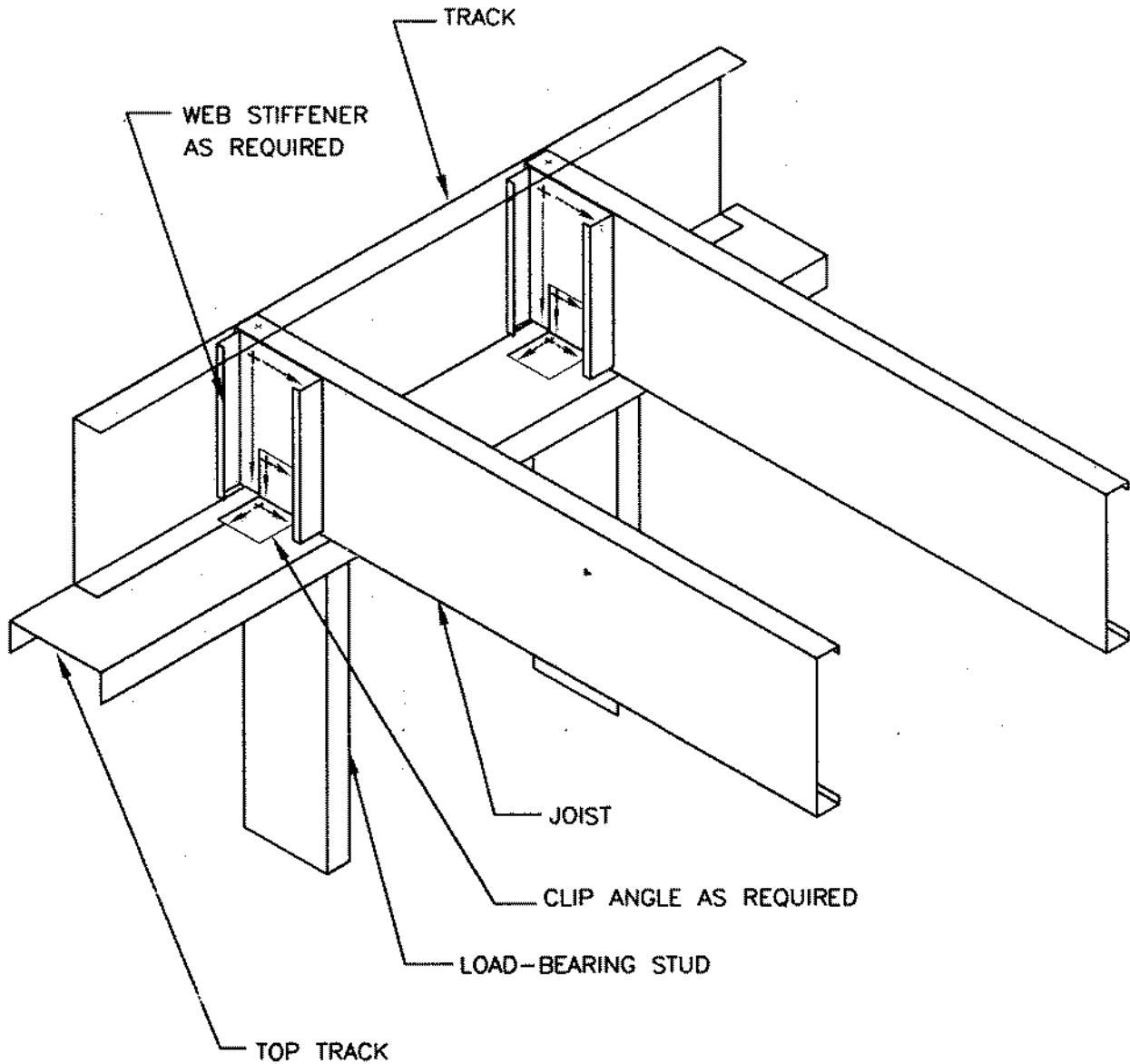
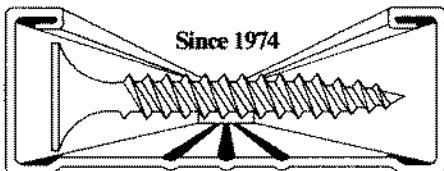
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WEB STIFFENER AT LOAD BEARING WALL DETAIL F14

PROJECT:

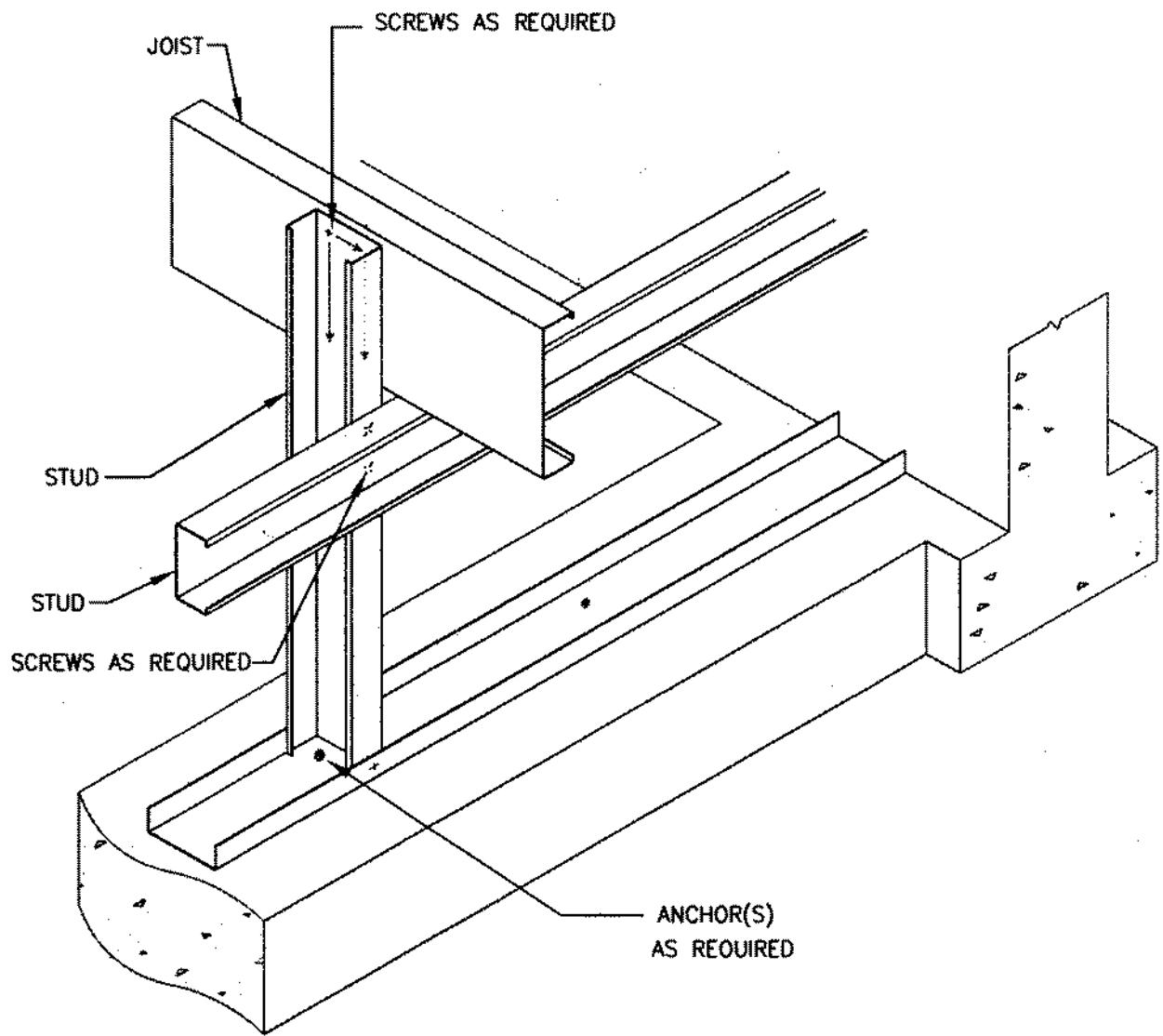
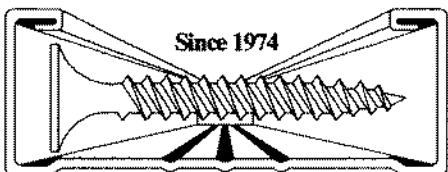
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ALTERNATE PONY WALL DETAIL F15

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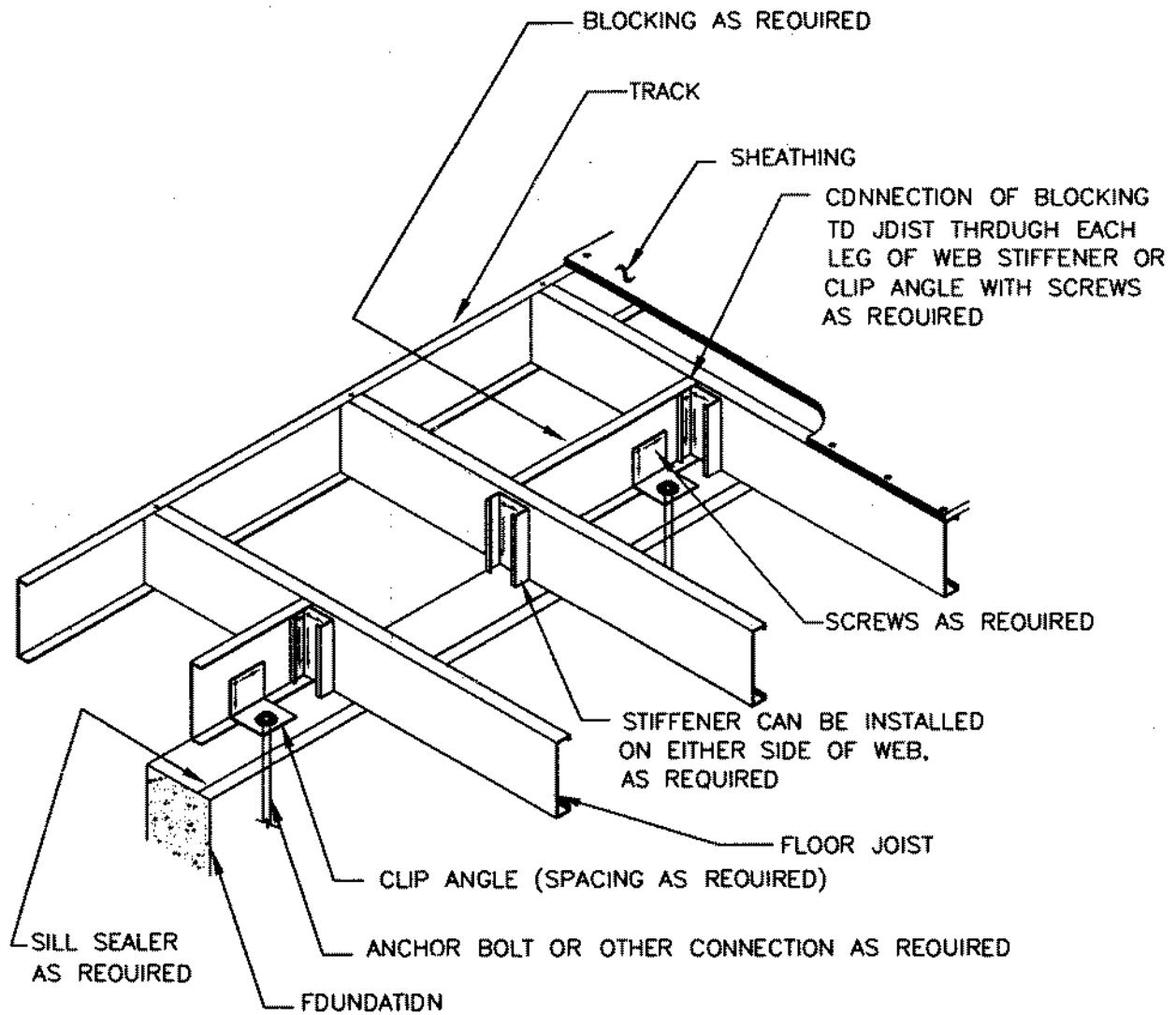
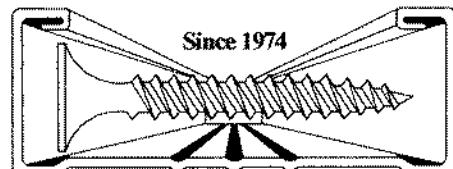
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CANTILEVERED JOIST TO FOUNDATION CONNECTION DETAIL F16

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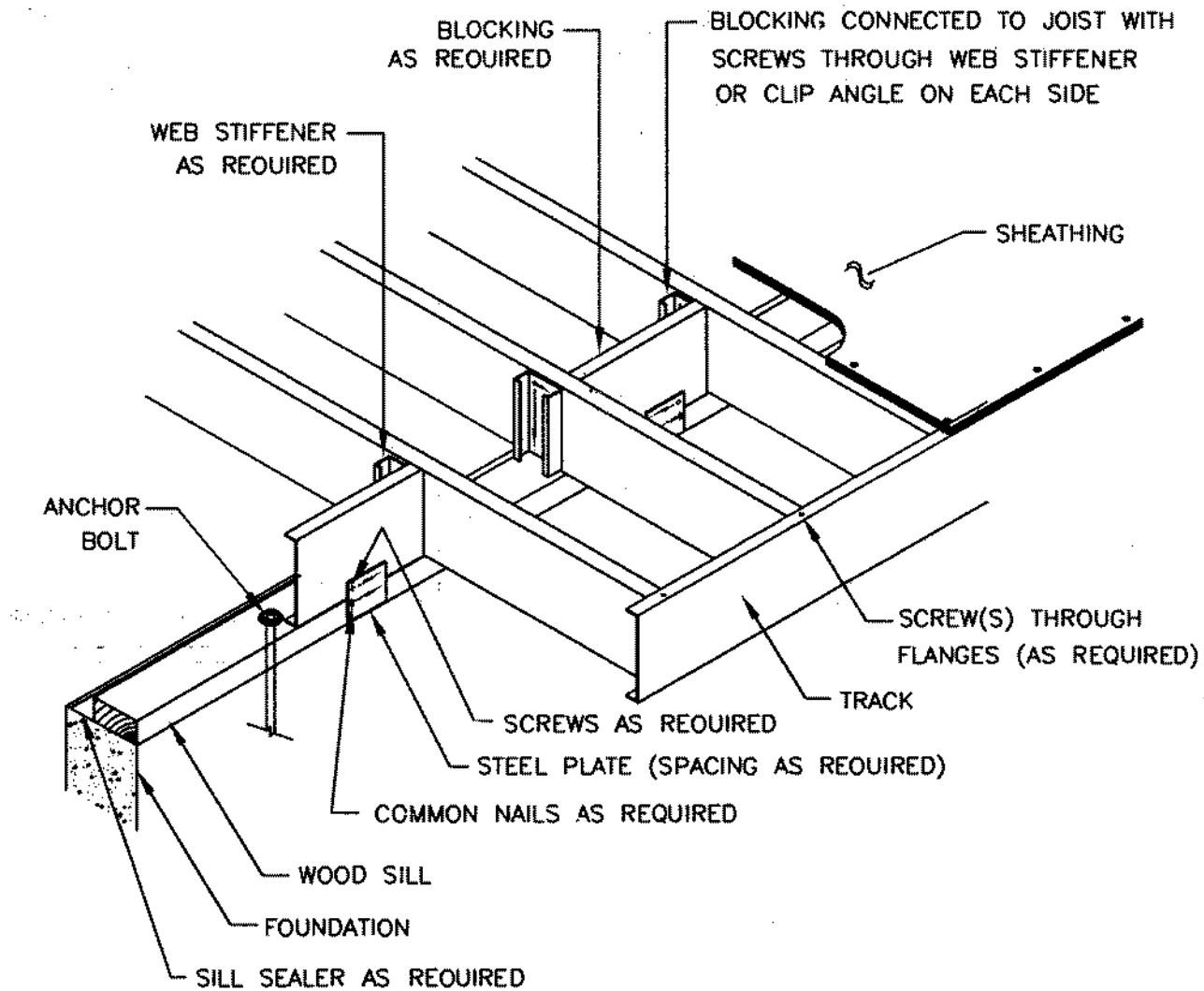
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CANTILEVERED JOIST TO WOOD SIL CONNECTION DETAIL F17

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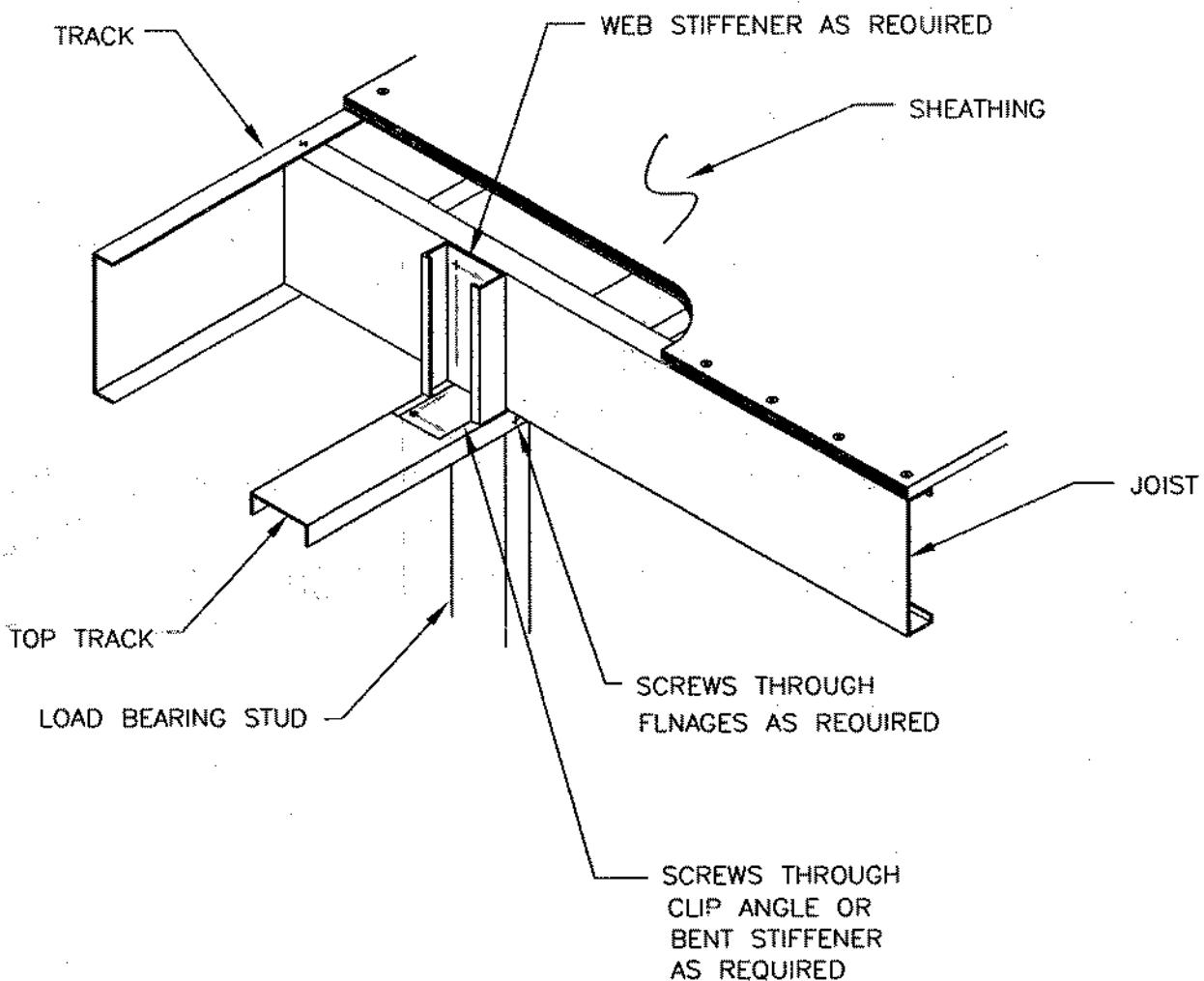
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CANTILEVERED JOIST TO BEARING WALL CONNECTION DETAIL F18

PROJECT:

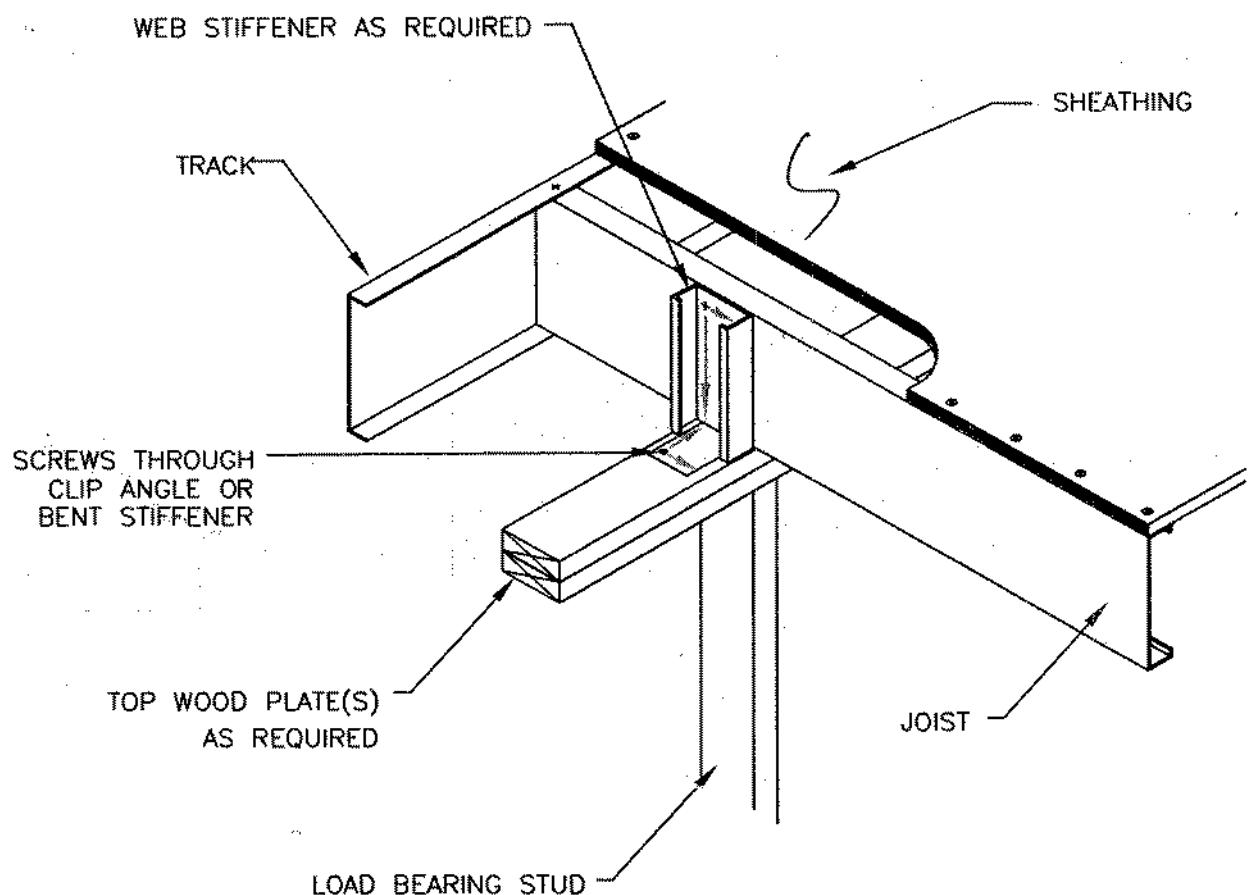
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



CANTILEVERED JOIST TO WOOD TOP PLATE CONNECTION DETAIL F19

PROJECT:

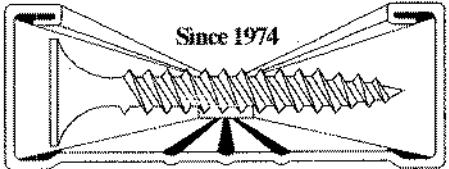
DATE:

ADDRESS:

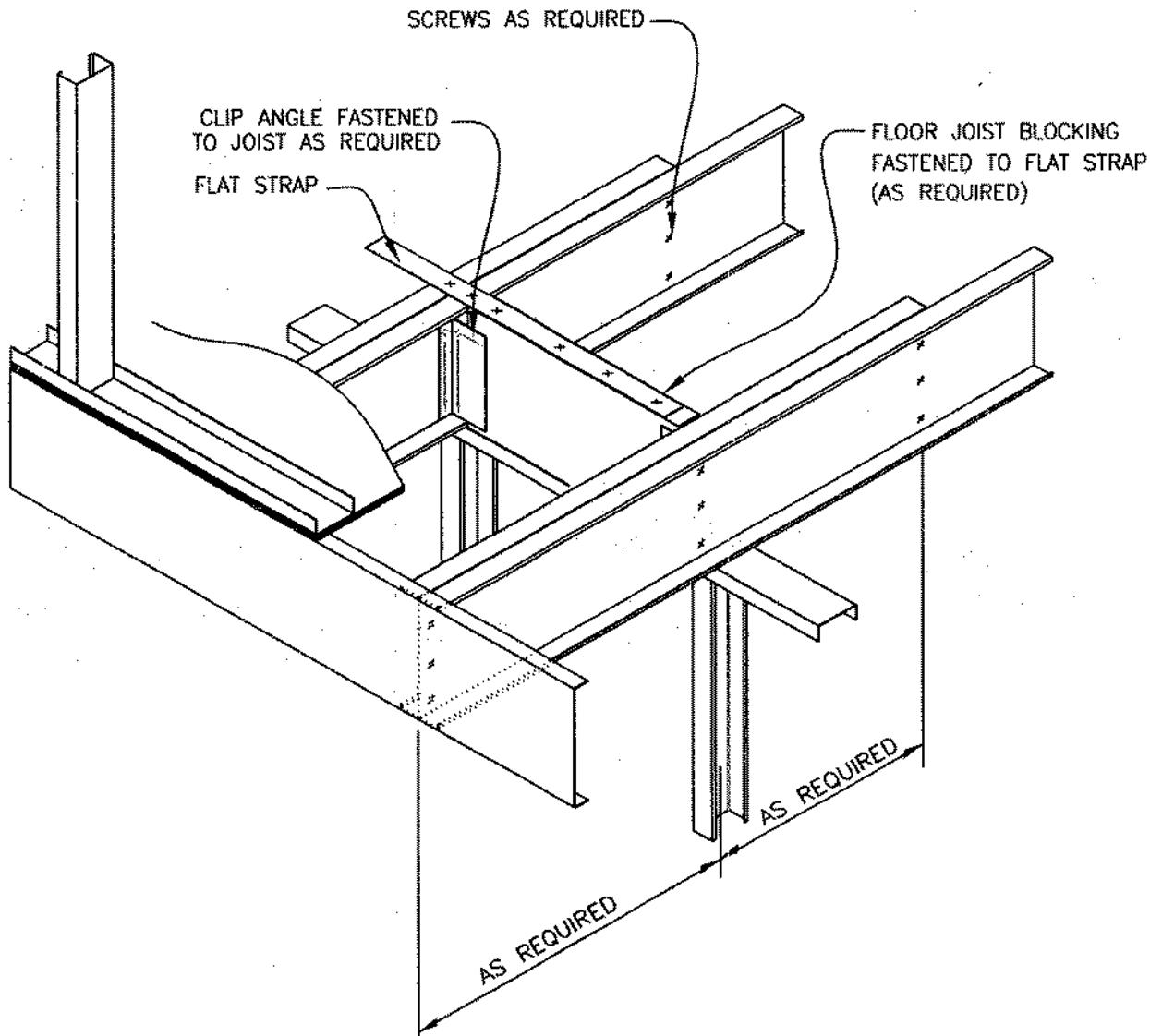
SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



TM



DOUBLE CANTILEVERED JOIST DETAIL F20

PROJECT:

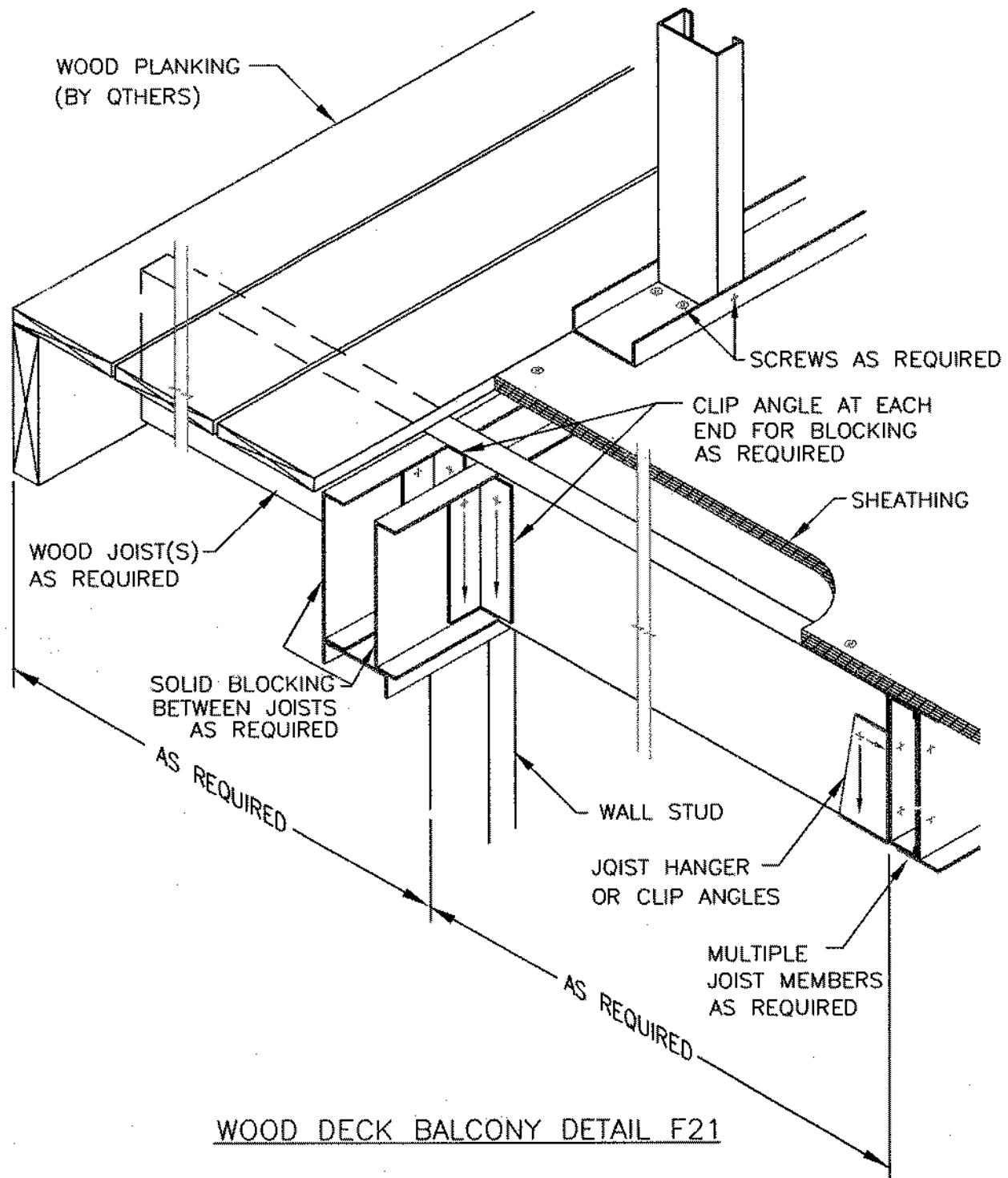
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



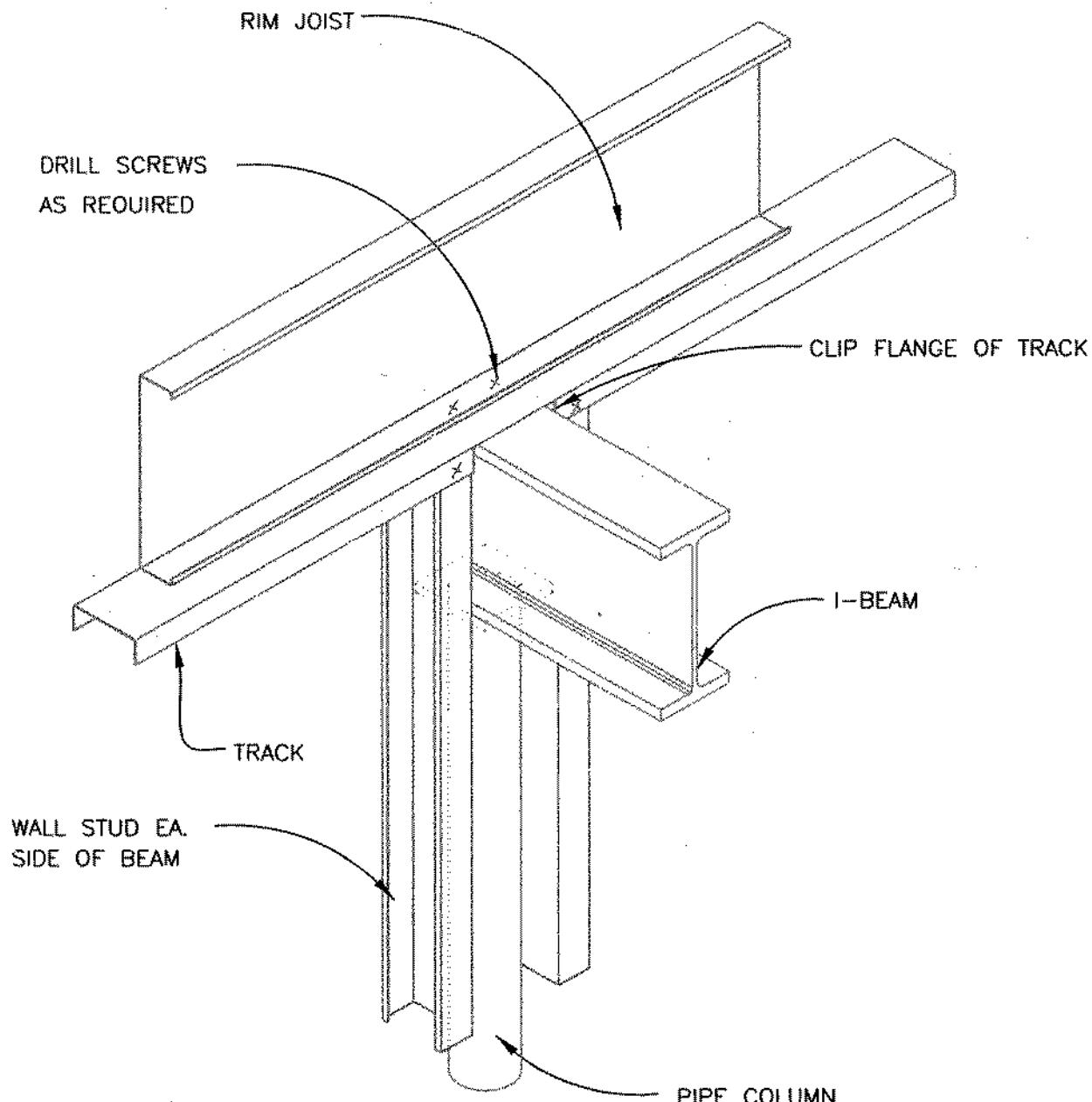
PROJECT:

DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY

BEAM SUPPORT WITH COLUMN DETAIL F22

PROJECT:

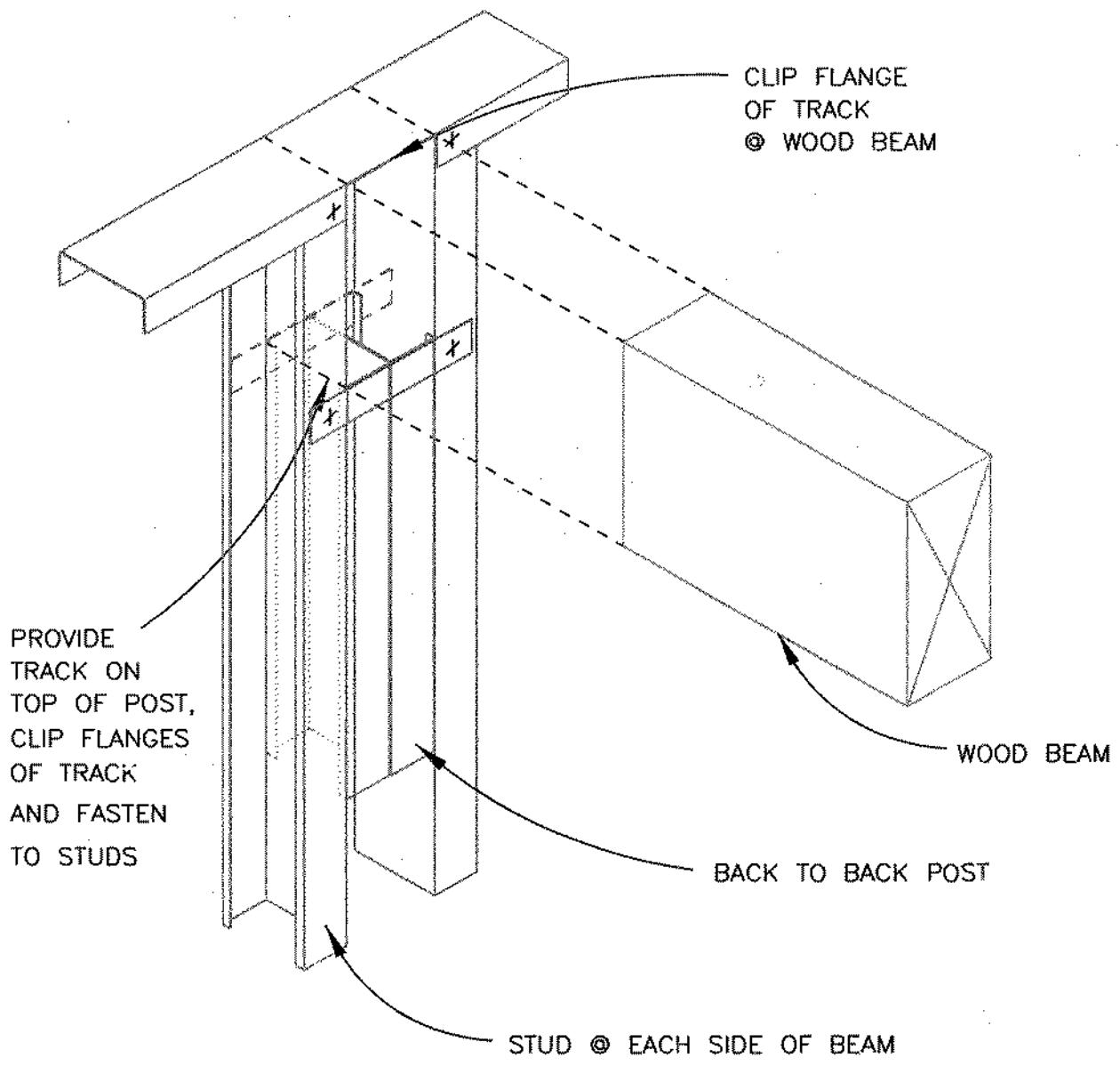
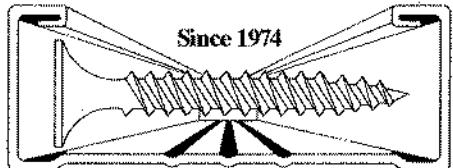
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



BEAM SUPPORT WITH COLUMN DETAIL F23

PROJECT:

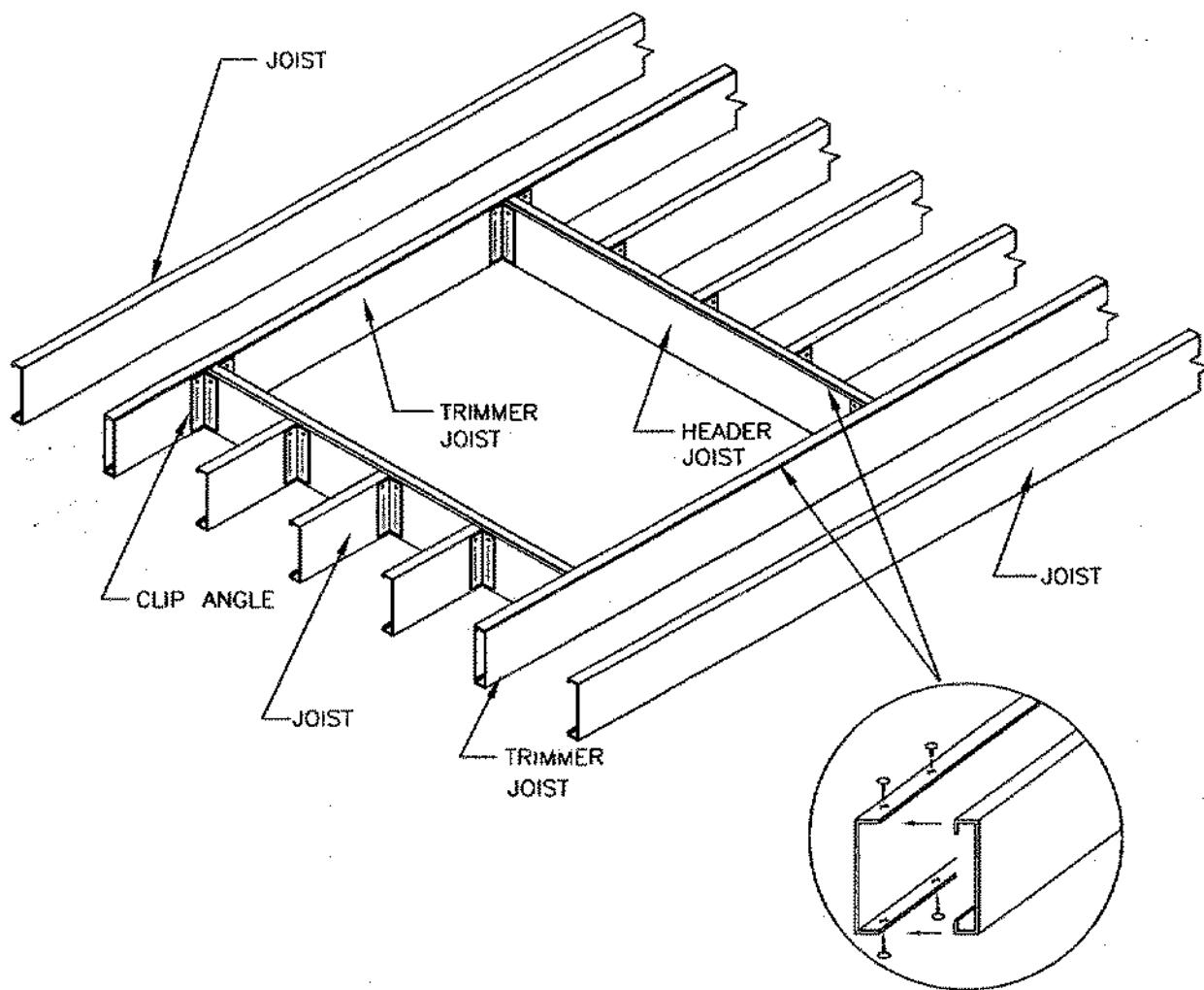
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



FLOOR OPENING DETAIL F24

PROJECT:

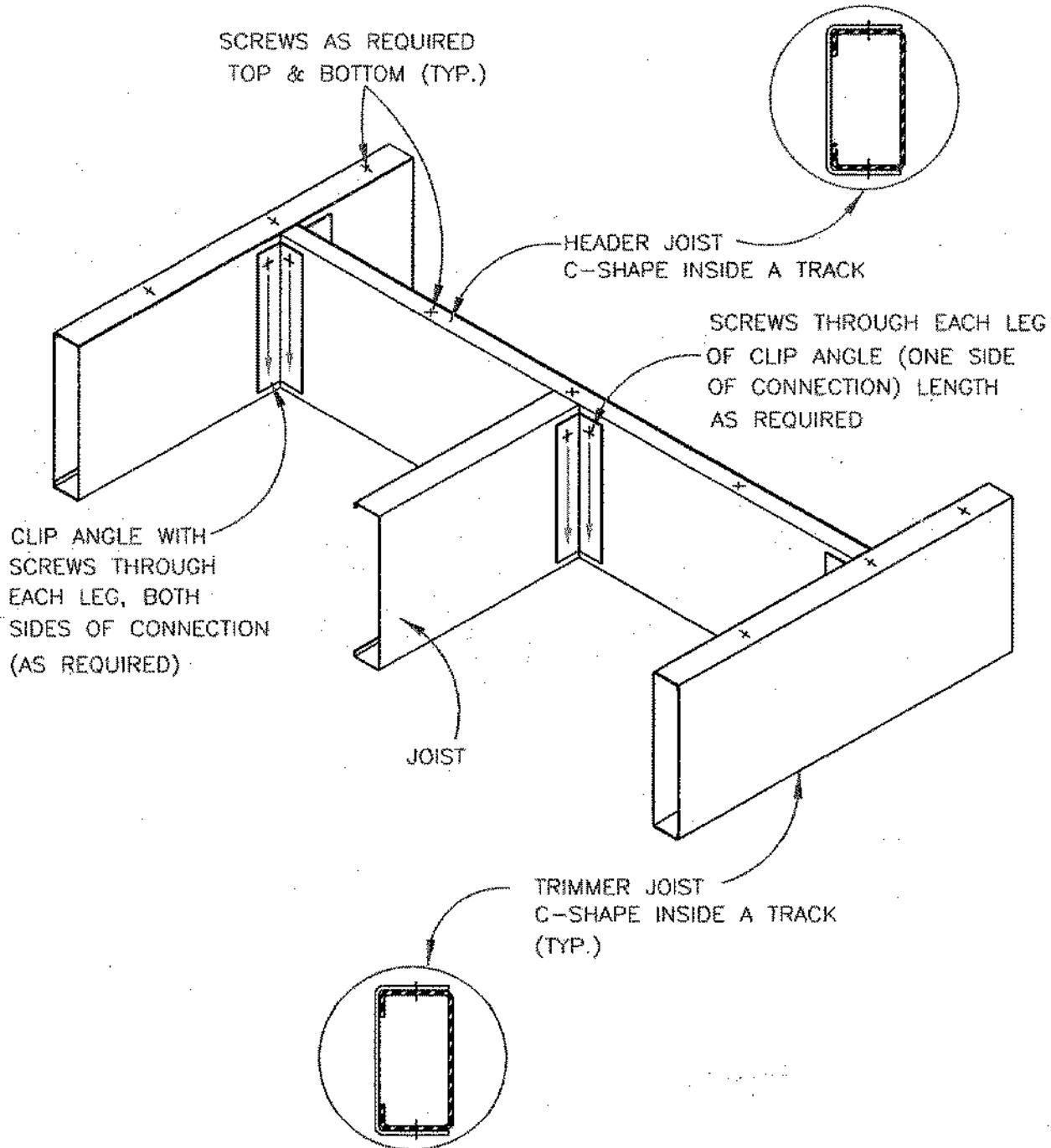
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



FLOOR HEADER AND TRIMMER DETAIL F25

PROJECT:

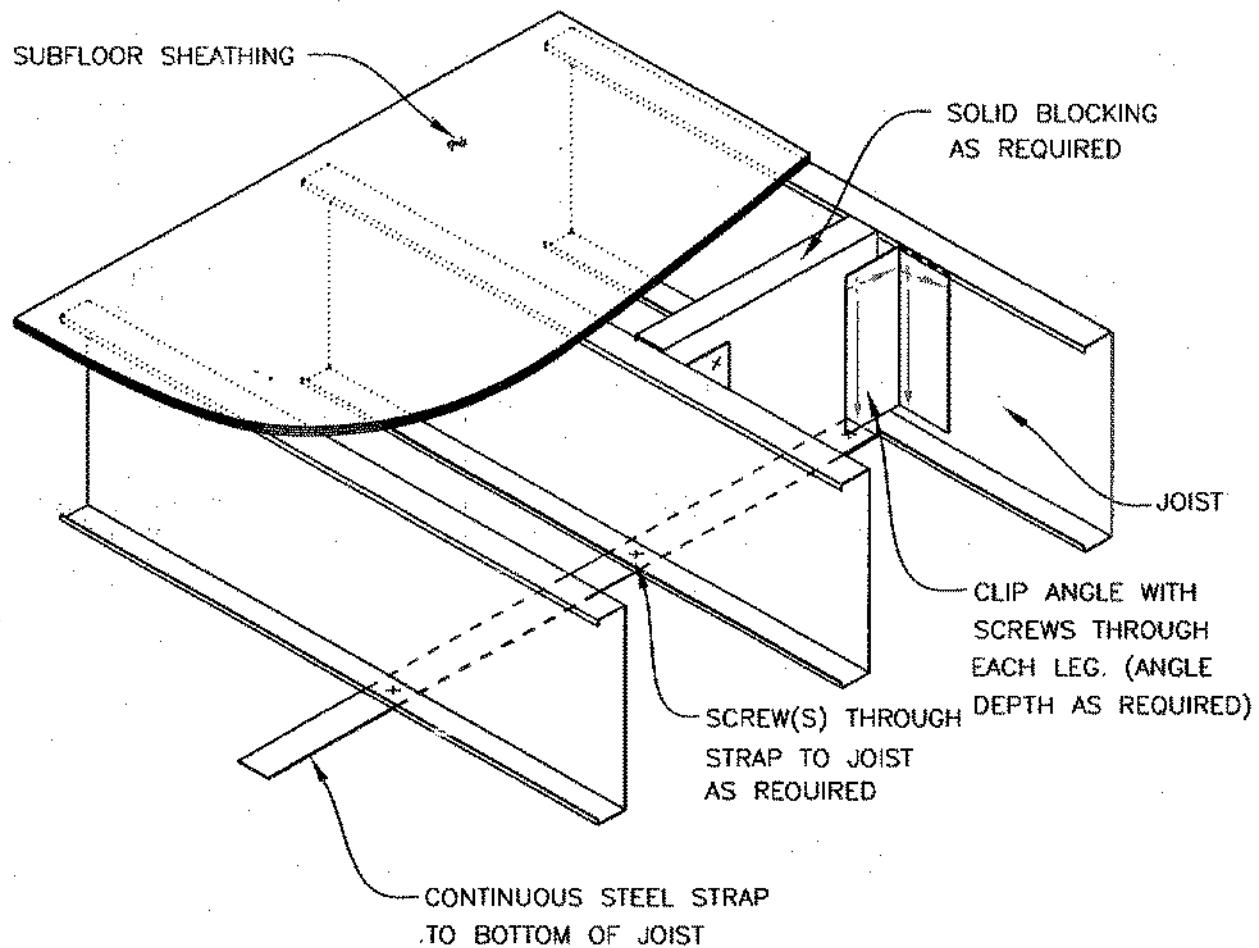
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



FLOOR BLOCKING DETAIL F26

PROJECT:

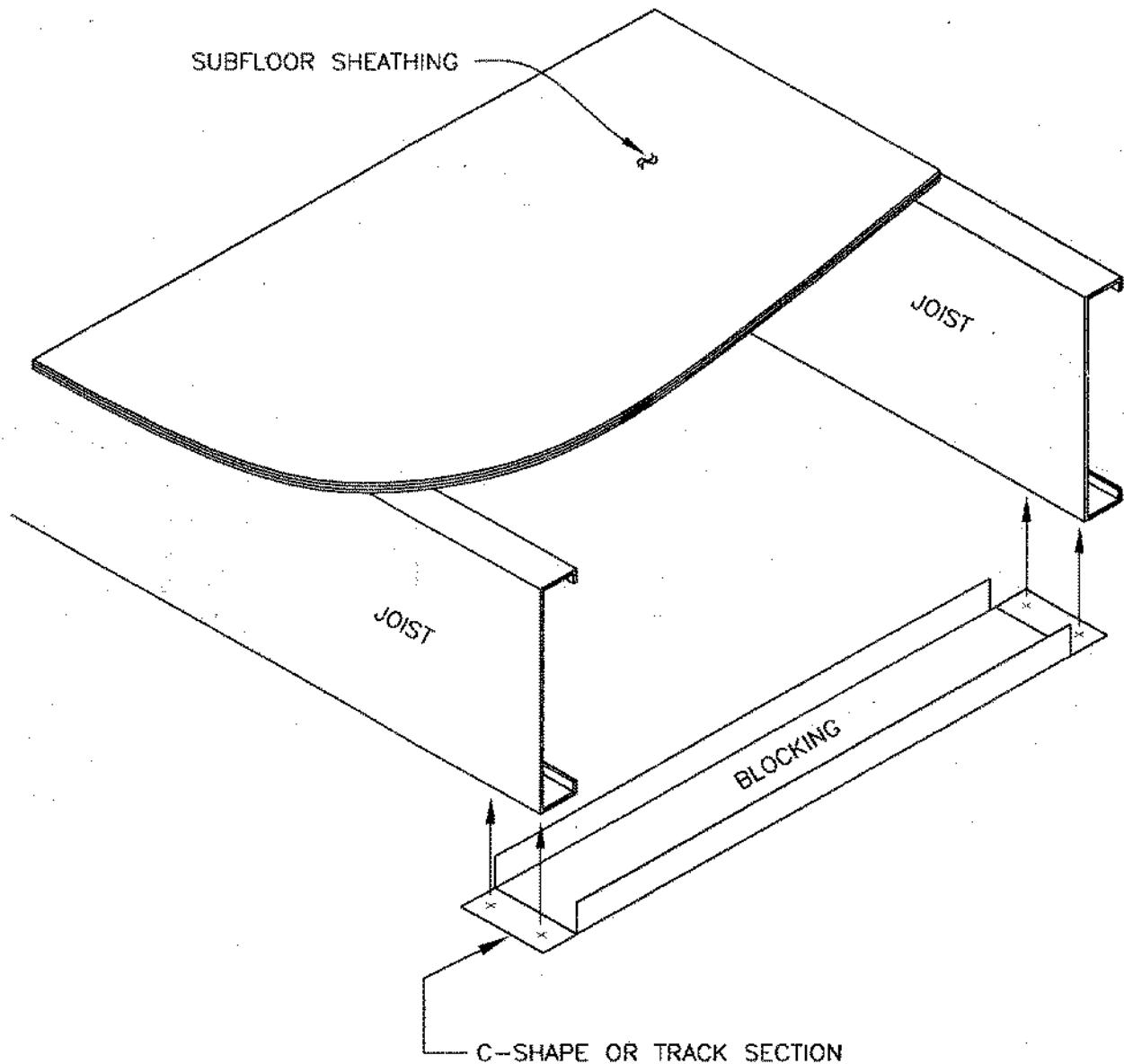
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



FLOOR BLOCKING DETAIL F27

PROJECT:

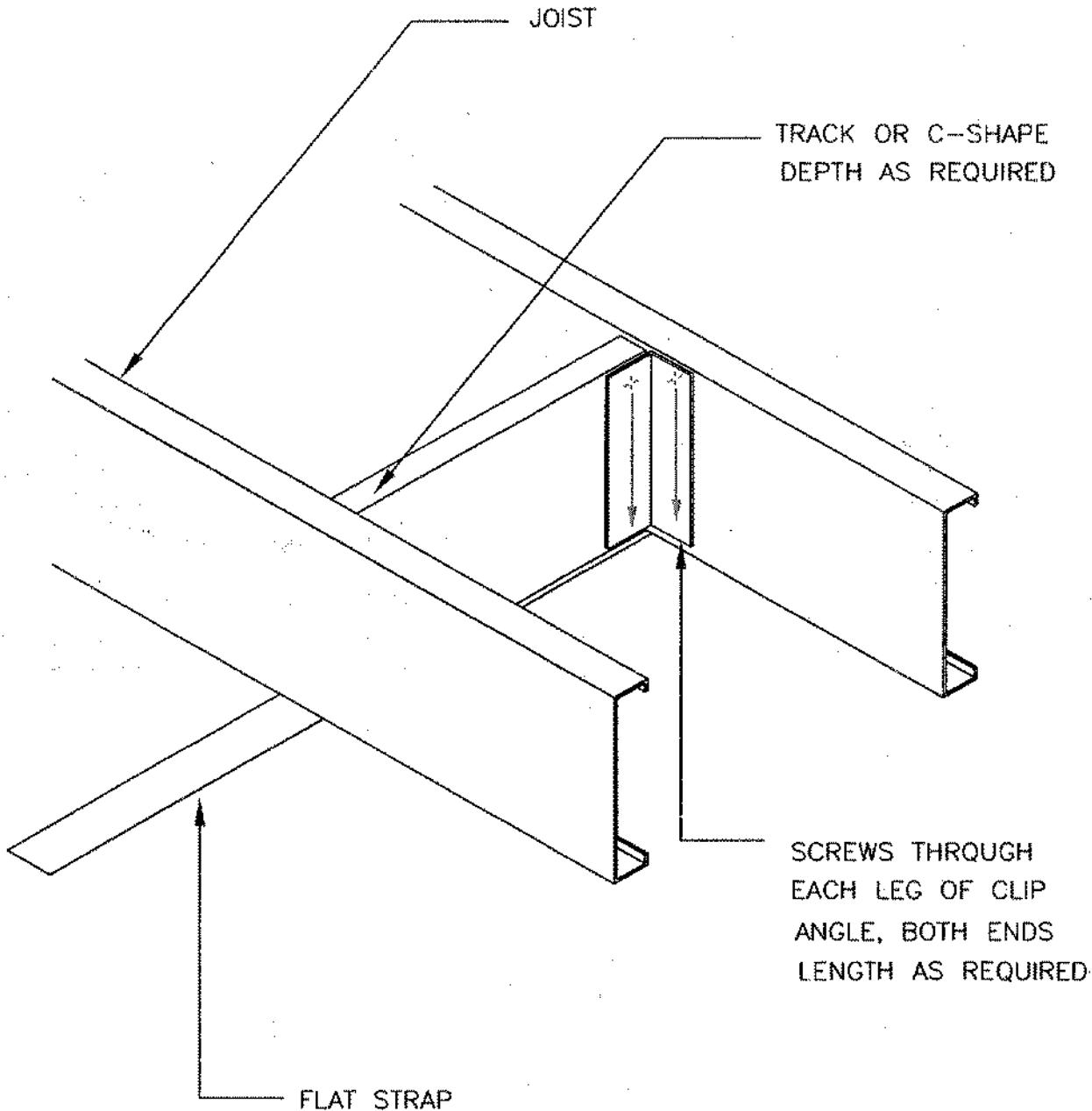
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



FLOOR BLOCKING DETAIL F28

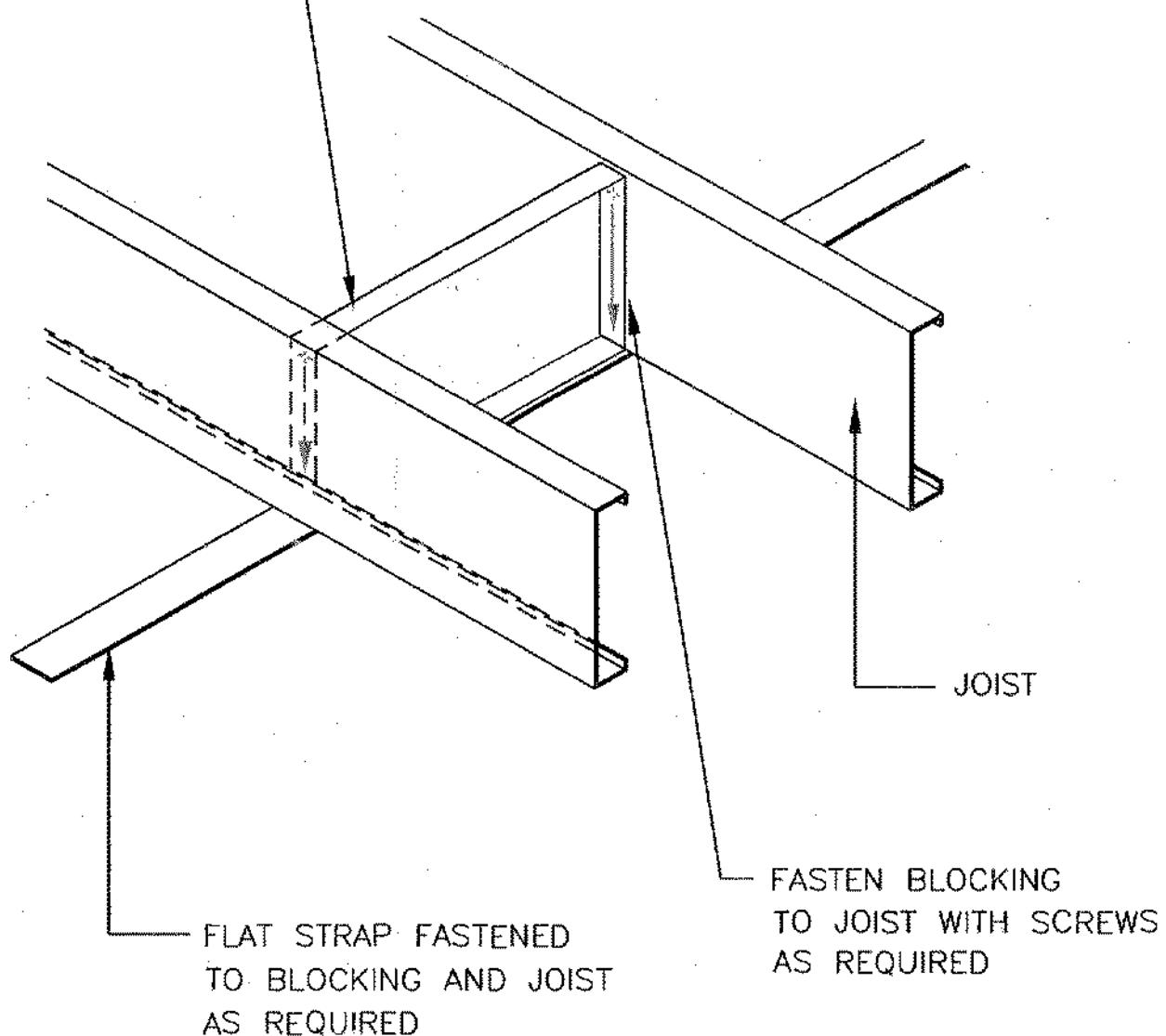
PROJECT:	DATE:
ADDRESS:	SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



TRACK OR C-SHAPE
(SIZE AS REQUIRED)



FLOOR BLOCKING DETAIL F29

PROJECT:

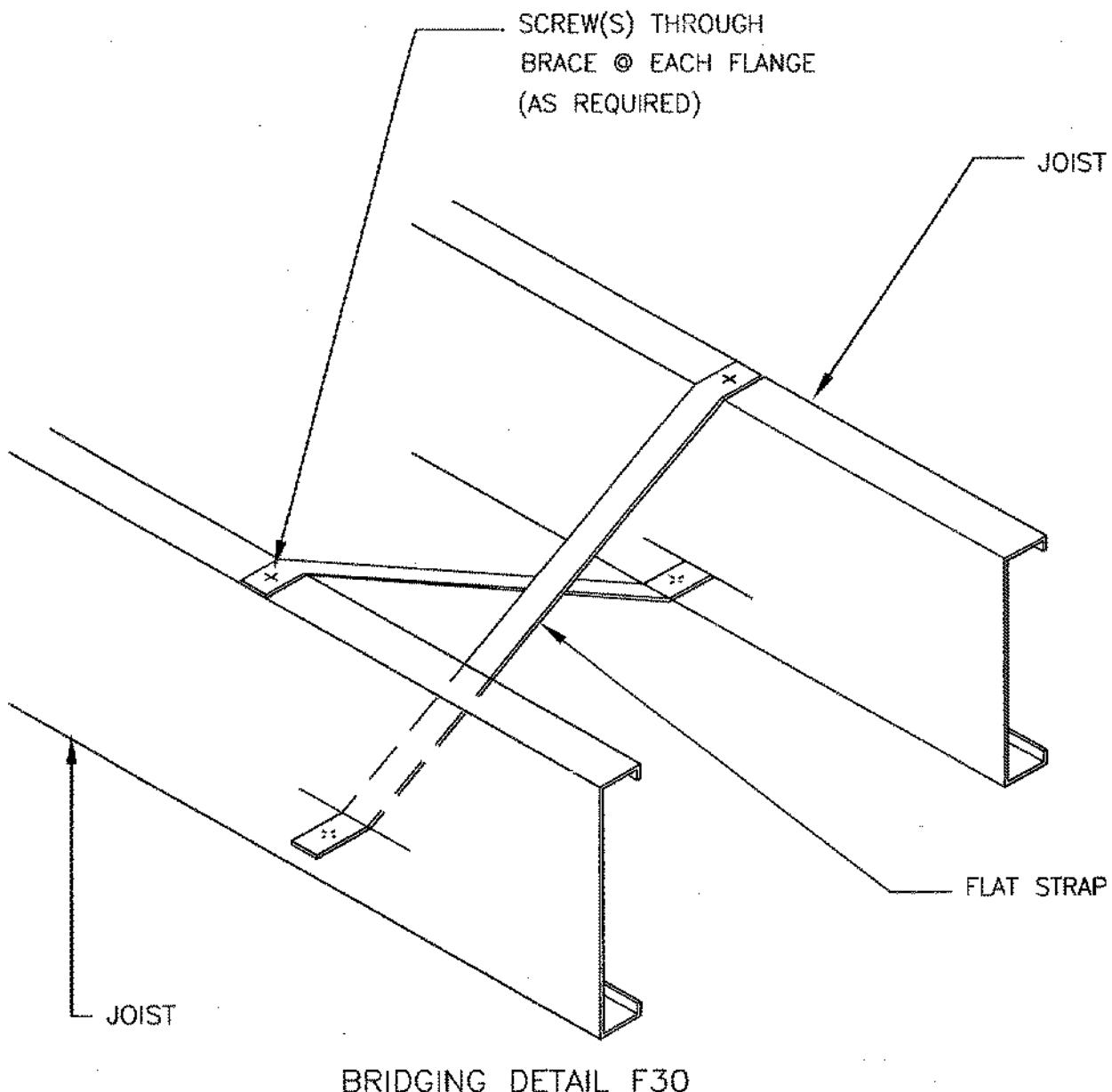
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



PROJECT:

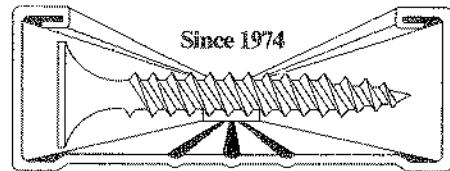
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY

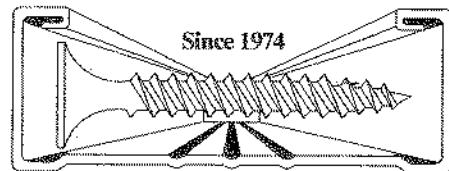


LOAD-BEARING WALLS

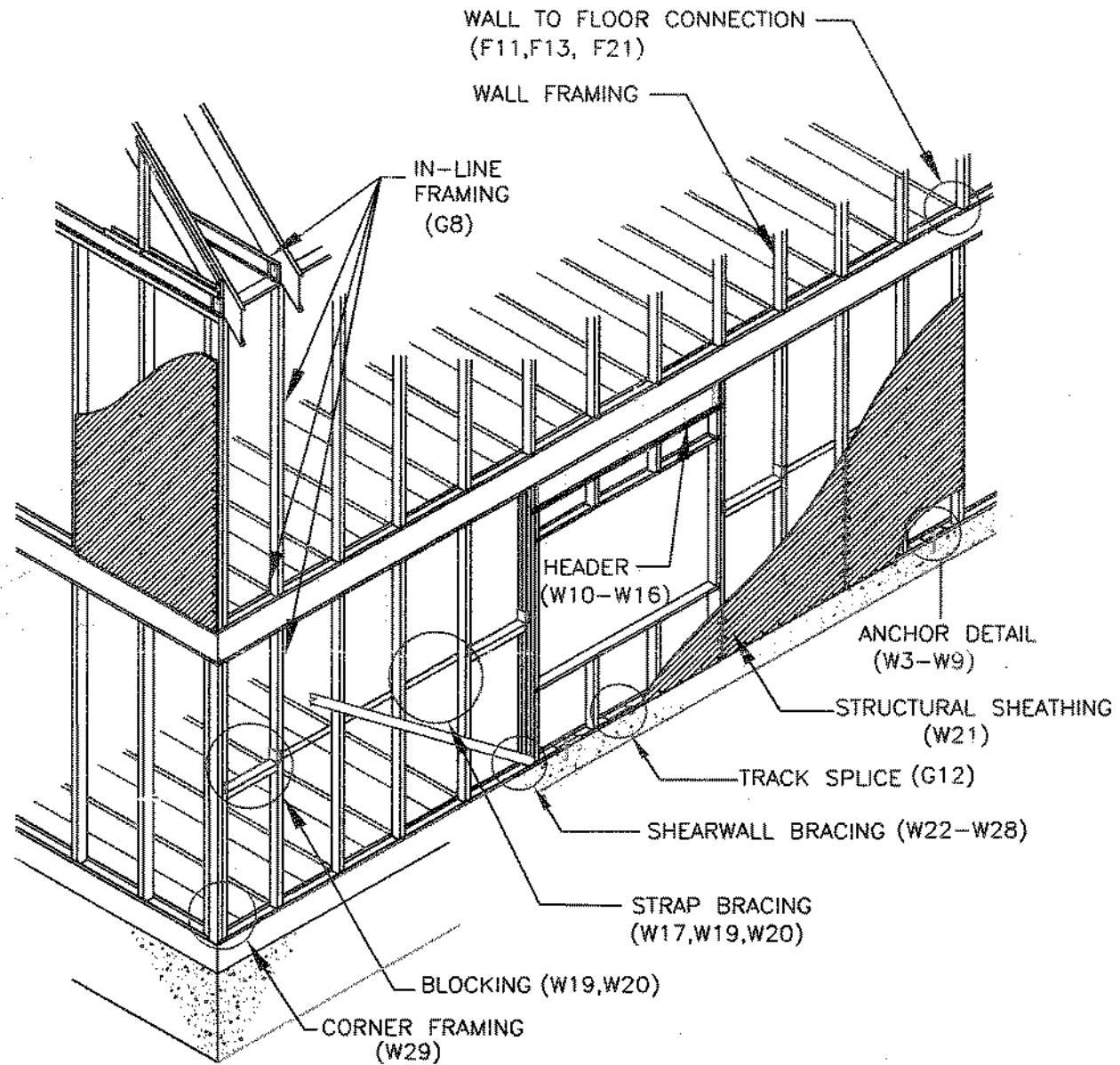
- Detail W1 Schematic of Typical Wall Framing
- Detail W2 Wall Framing Elevation
- Detail W3 Wall to Foundation
- Detail W4 Wall to Foundation
- Detail W5 Wall to Foundation
- Detail W6 Wall to Foundation
- Detail W7 Wall to Wood Sill Connection
- Detail W8 Hold-Down Connection Detail 1
- Detail W9 Hold-Down Connection Detail 2
- Detail W10 Box Beam Header
- Detail W11 Box Beam Header
- Detail W12 Back-to-Back Header with Jack Stud
- Detail W13 Back-to-Back Header
- Detail W14 L-Header Detail
- Detail W15 Single L-Header Detail
- Detail W16 Double L-Header Detail
- Detail W17 Stud Bracing with Cold-Rolled Channel
- Detail W18 Stud Bracing with Sheathing
- Detail W19 Stud Bracing with Strapping and Sheathing
- Detail W20 Stud Bracing with Strapping and Blocking
- Detail W21 Structural Sheathing Fastening to Wall Studs
- Detail W22 Shearwall and Diaphragm Details
- Detail W23 Sheathed Wall with Opening
- Detail W24 Single Story X-Brace Detail
- Detail W25 Two Story X-Brace Detail
- Detail W26 Two Story Sheathed Wall Detail
- Detail W27 X-Brace Detail
- Detail W28 X-Brace with Gusset Detail
- Detail W29 Corner Framing Detail

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



TM



SCHEMATIC OF TYPICAL WALL FRAMING DETAIL W1

PROJECT:

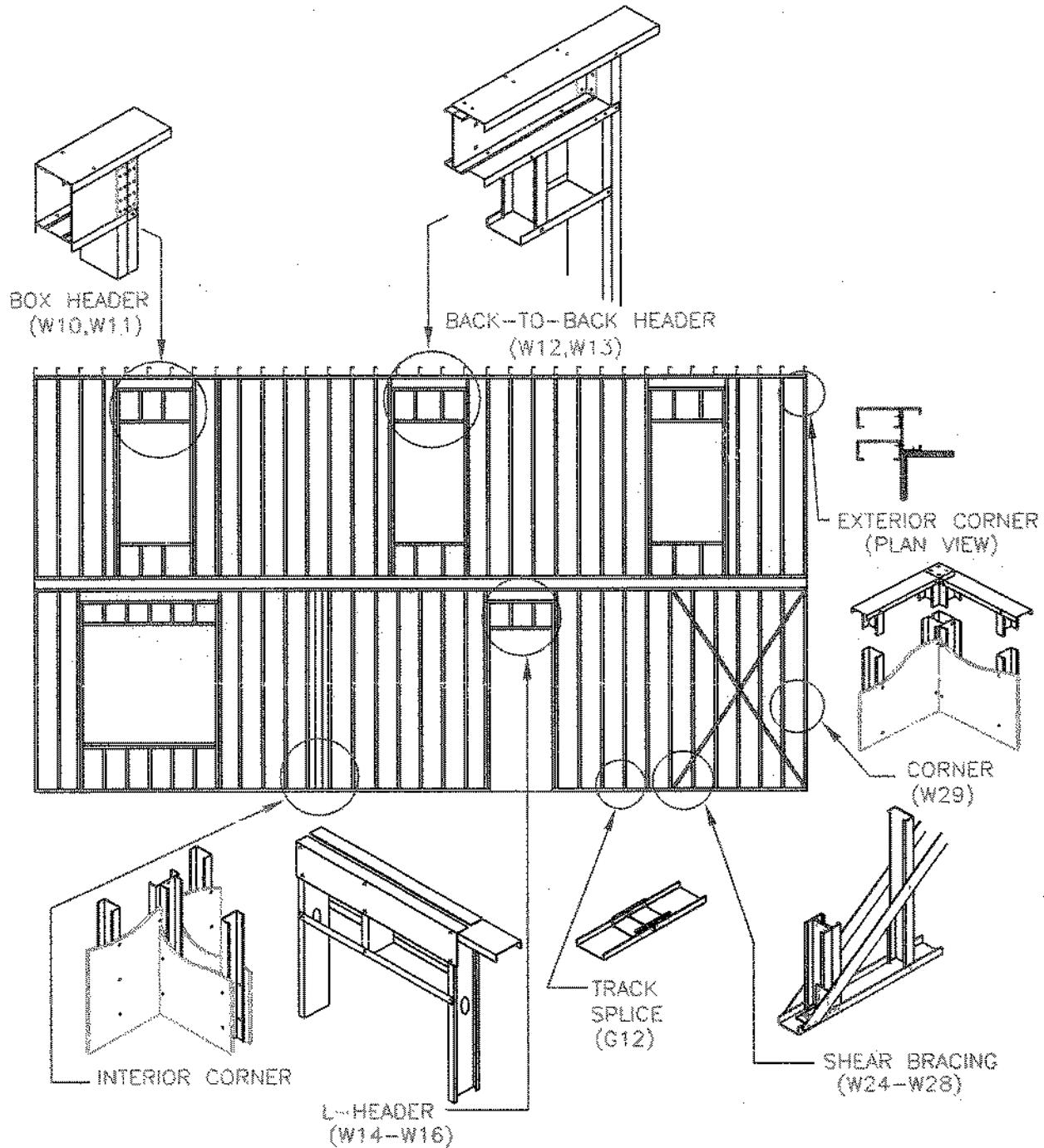
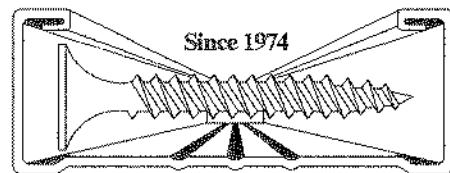
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



WALL FRAMING ELEVATION DETAIL W2

PROJECT:

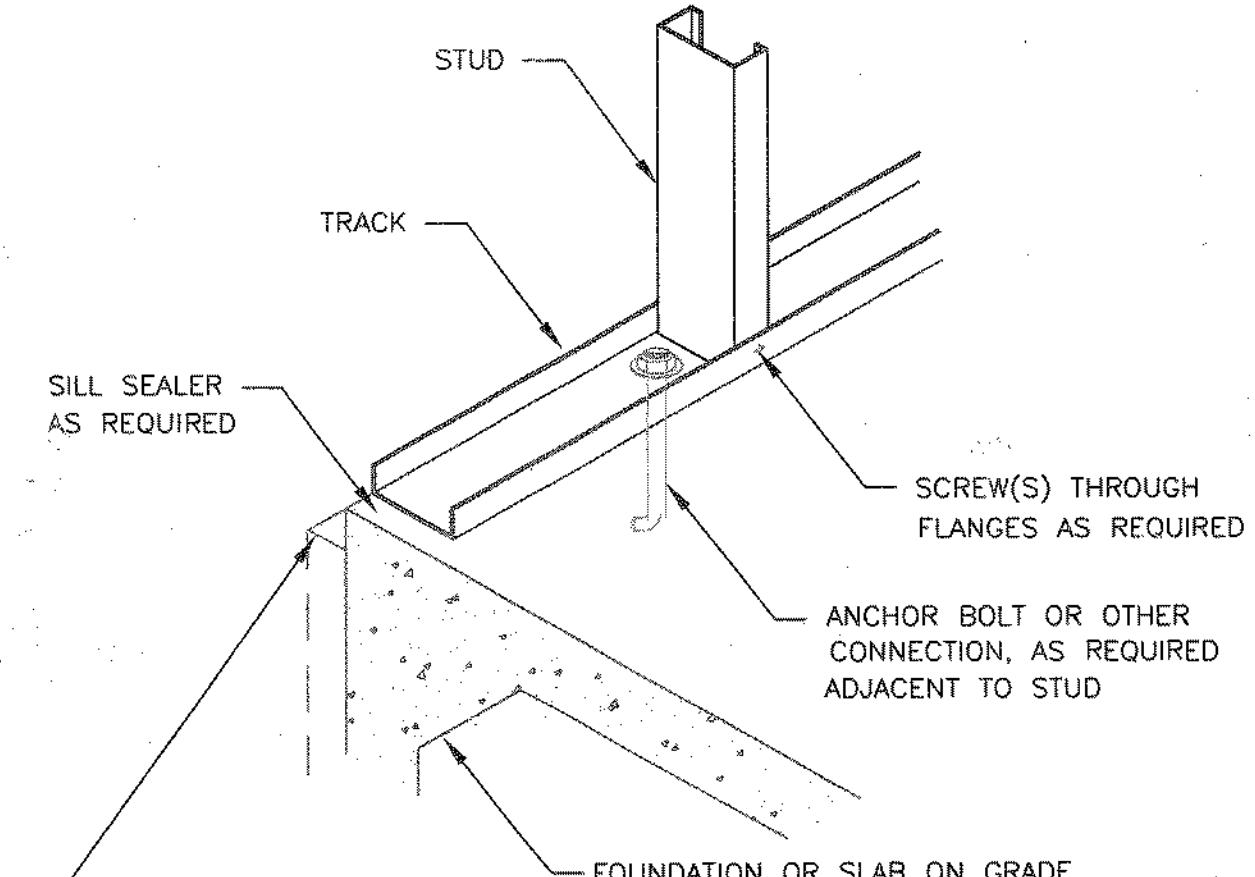
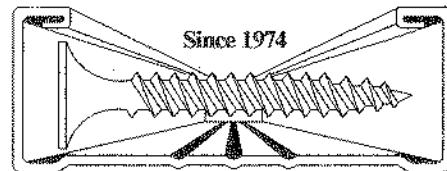
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



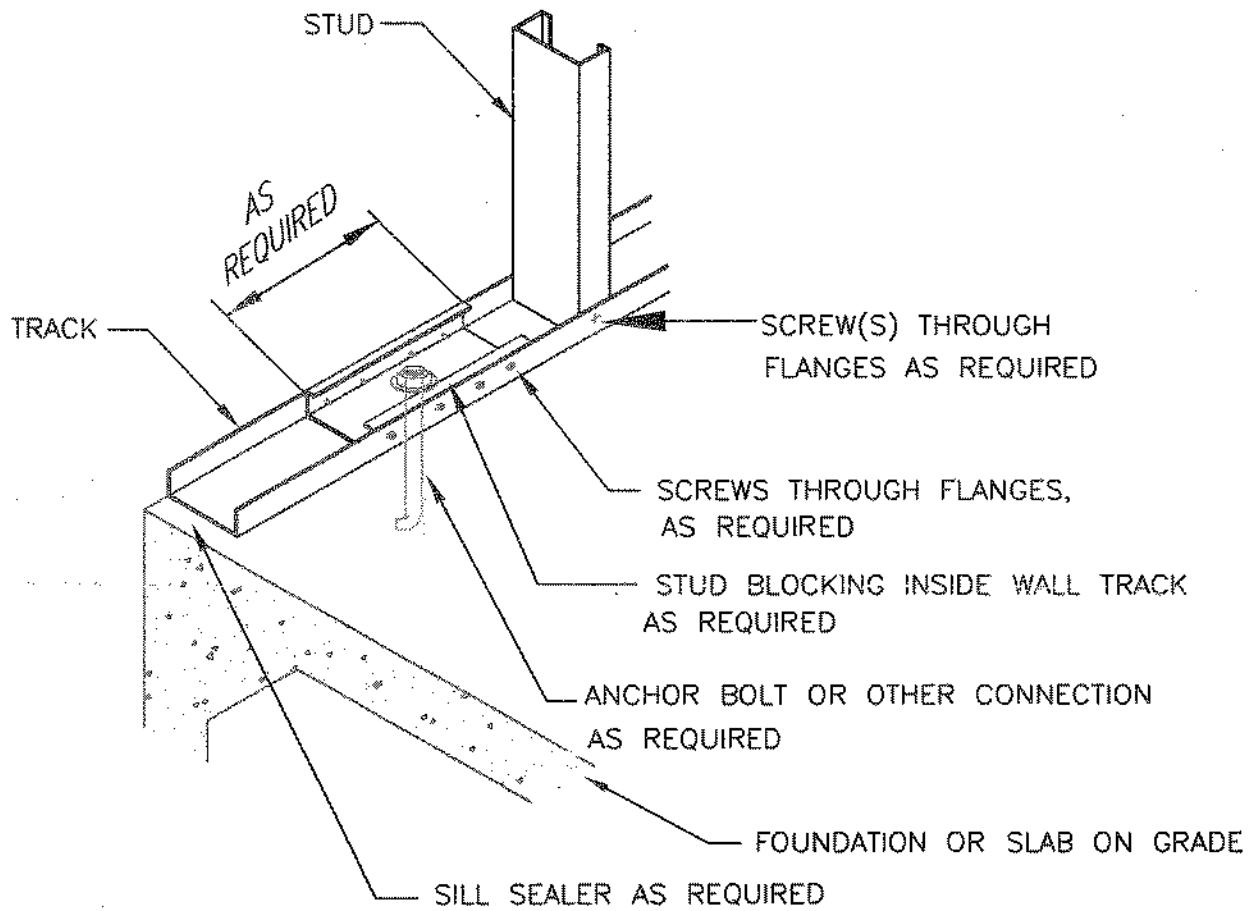
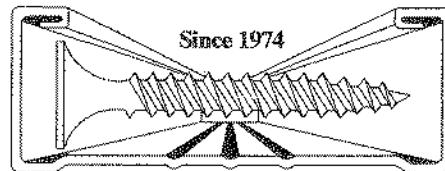
WHERE LEDGER IS PROVIDED
FOR THE SUPPORT OF A
VENEER, THE LEDGE SHALL
BE LOCATED AT LEAST ONE
COURSE OR 1-1/2" BELOW
THE SLAB ELEVATION

WALL TO FOUNDATION DETAIL W3

PROJECT:	DATE:
ADDRESS:	SHEET:
STEELER INC. • 10023 MARTIN LUTHER KING JR. WAY SOUTH • SEATTLE, WA 98178 • (206) 725-2500 • FAX (206) 725-1300 • www.steeler.com	

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



WALL TO FOUNDATION DETAIL W4

PROJECT:

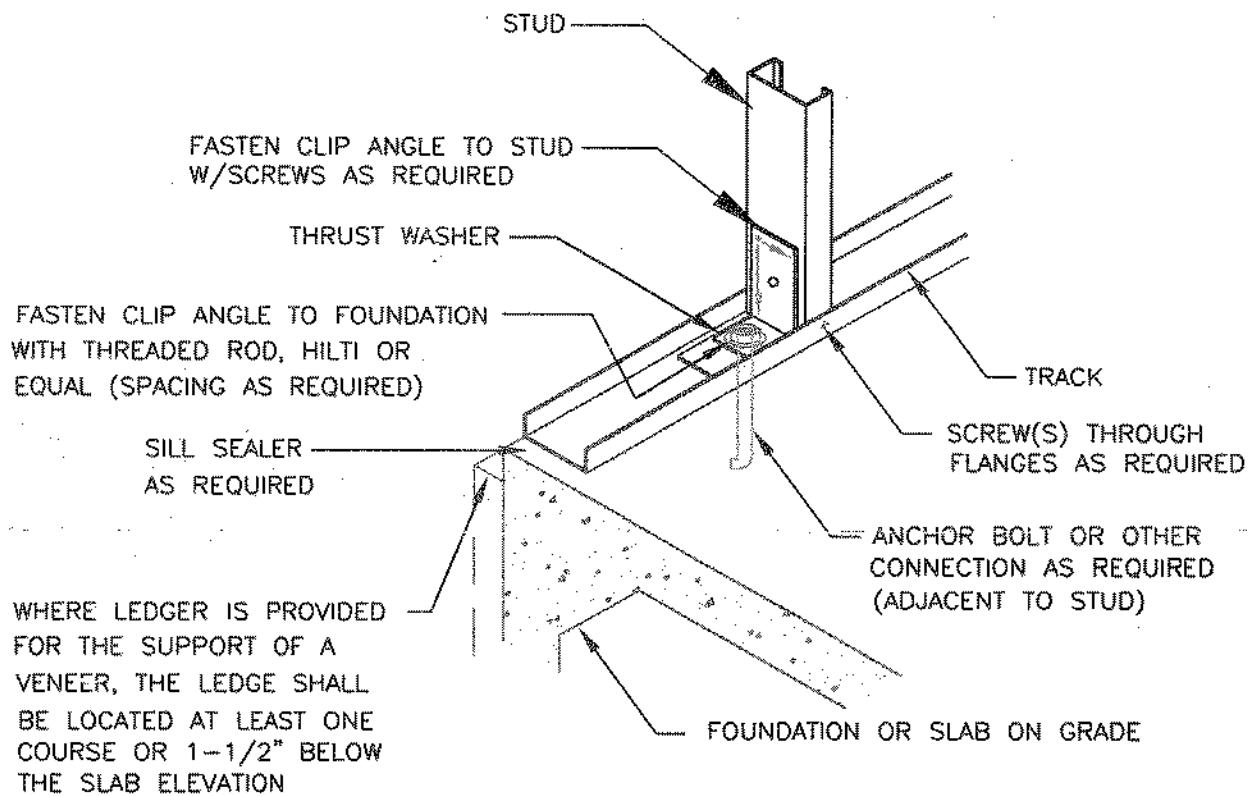
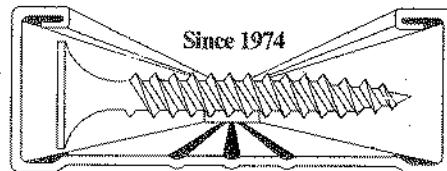
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



WALL TO FOUNDATION DETAIL W5

PROJECT:

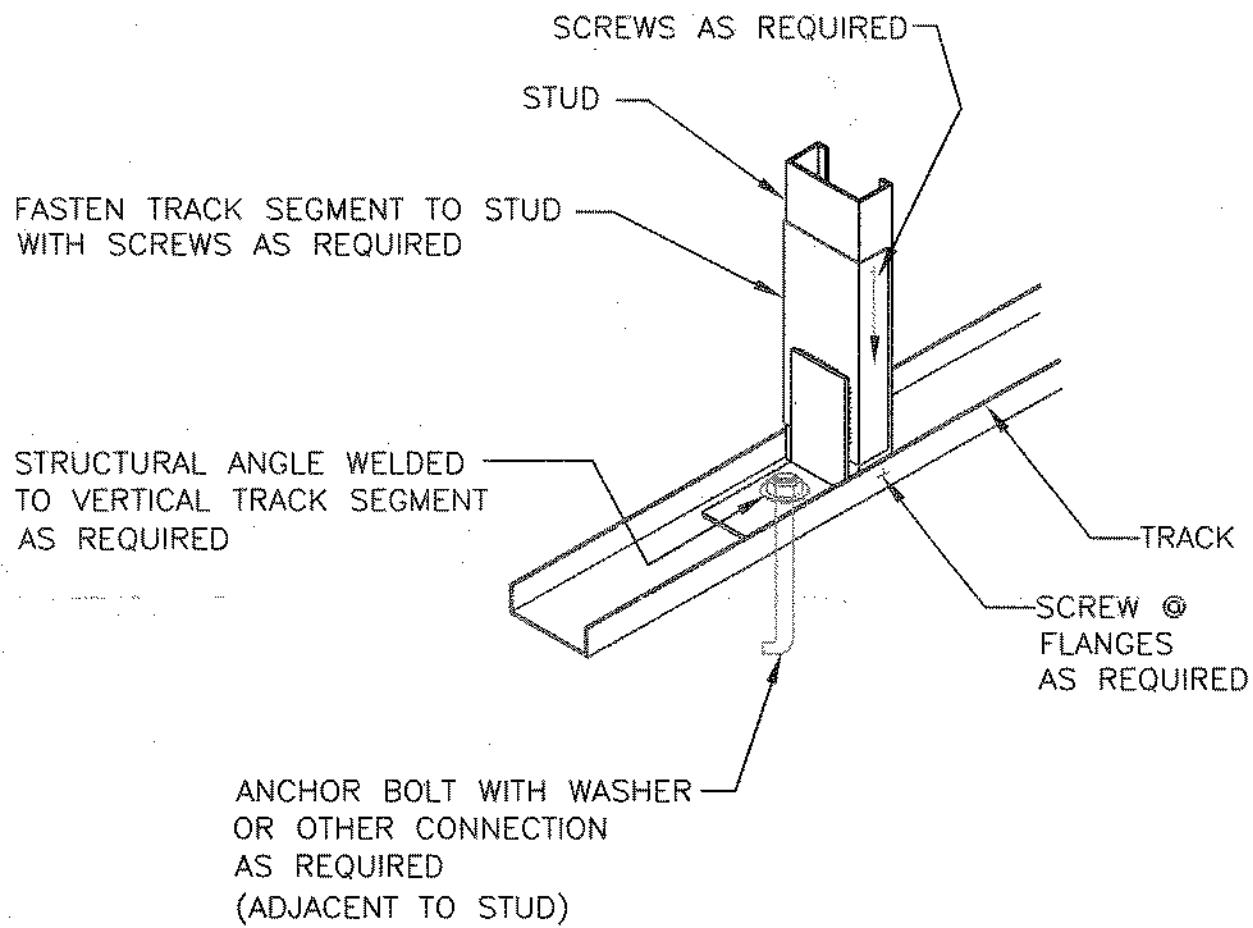
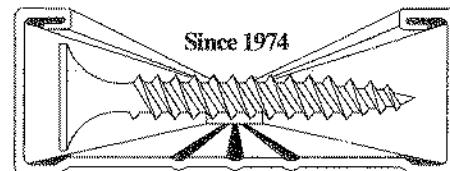
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



WALL TO FOUNDATION DETAIL W6

PROJECT:

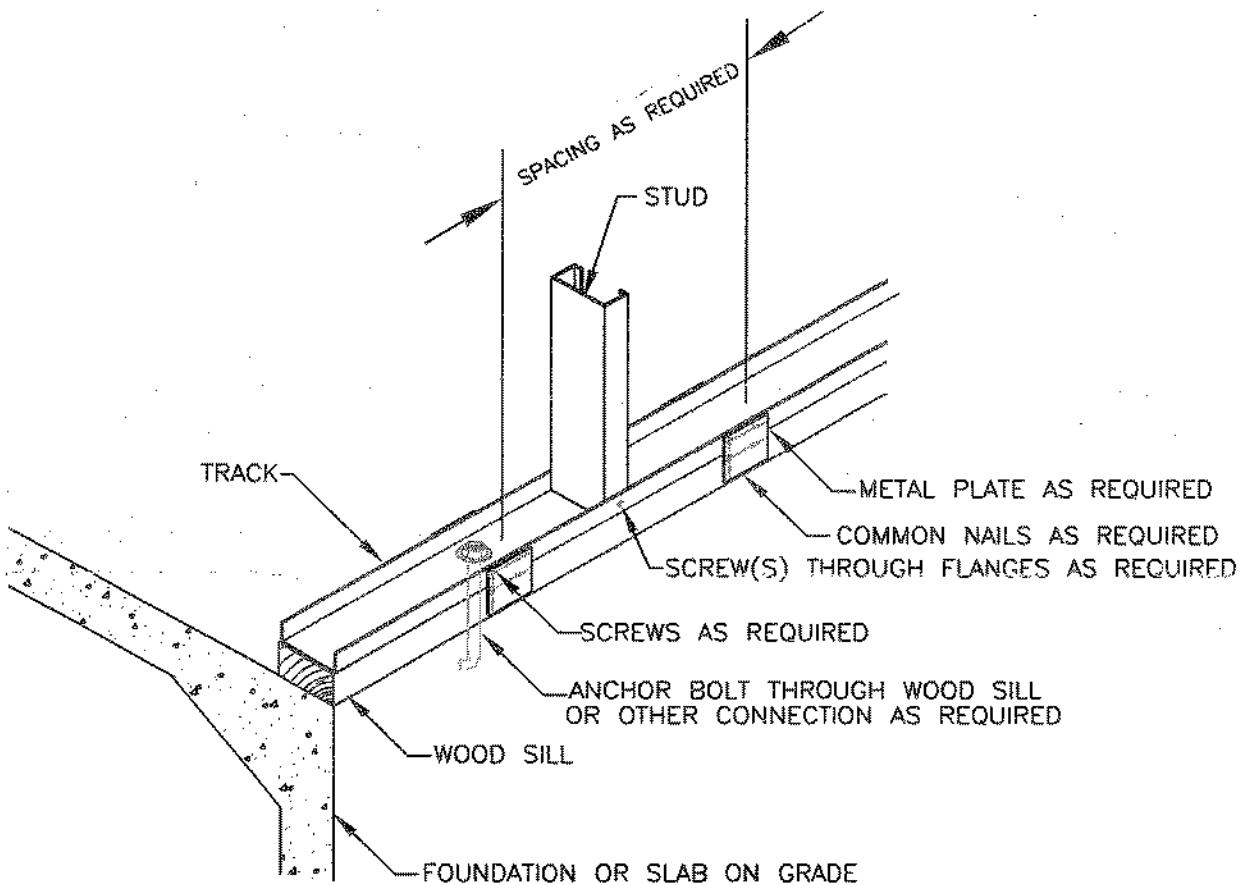
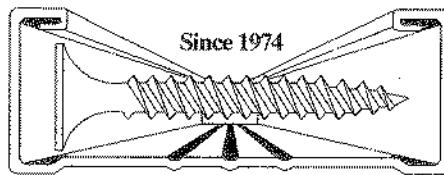
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



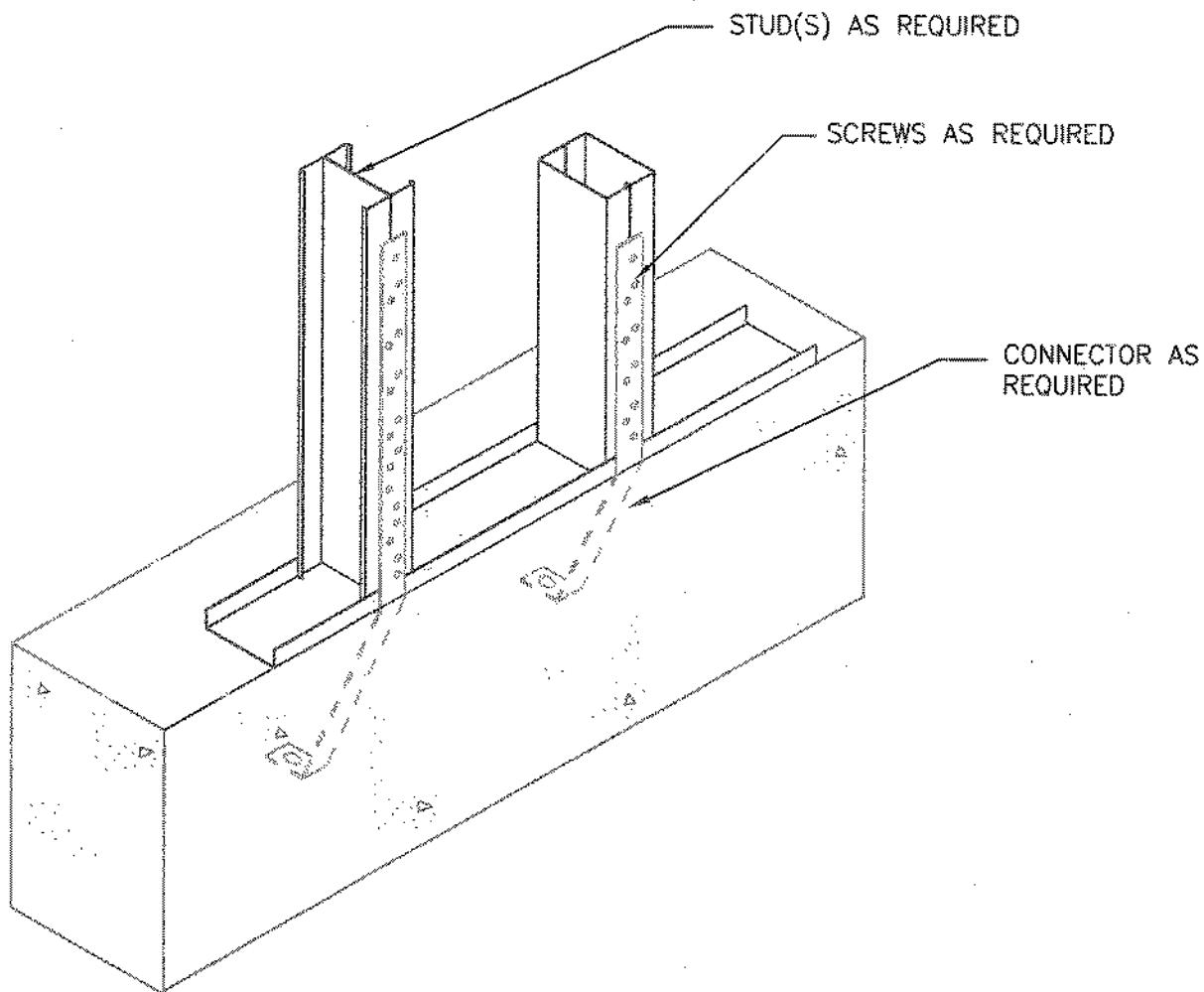
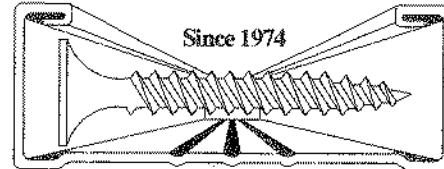
WALL TO WOOD SILL CONNECTION DETAIL W7

PROJECT:

DATE:

ADDRESS:

SHEET:



HOLD-DOWN CONNECTION DETAIL W8

PROJECT:

DATE:

ADDRESS:

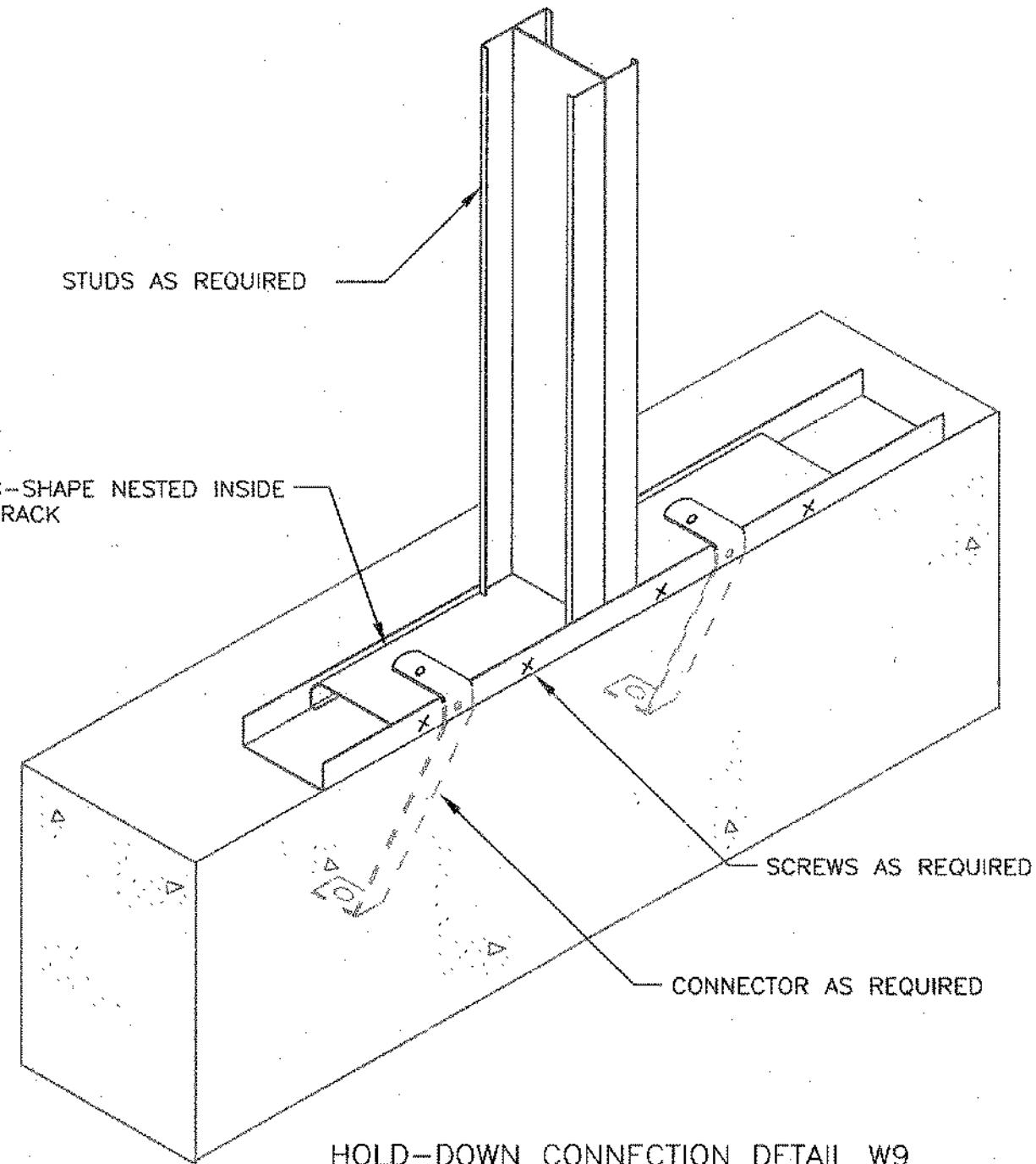
SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY

Since 1974

TM



PROJECT:

DATE:

ADDRESS:

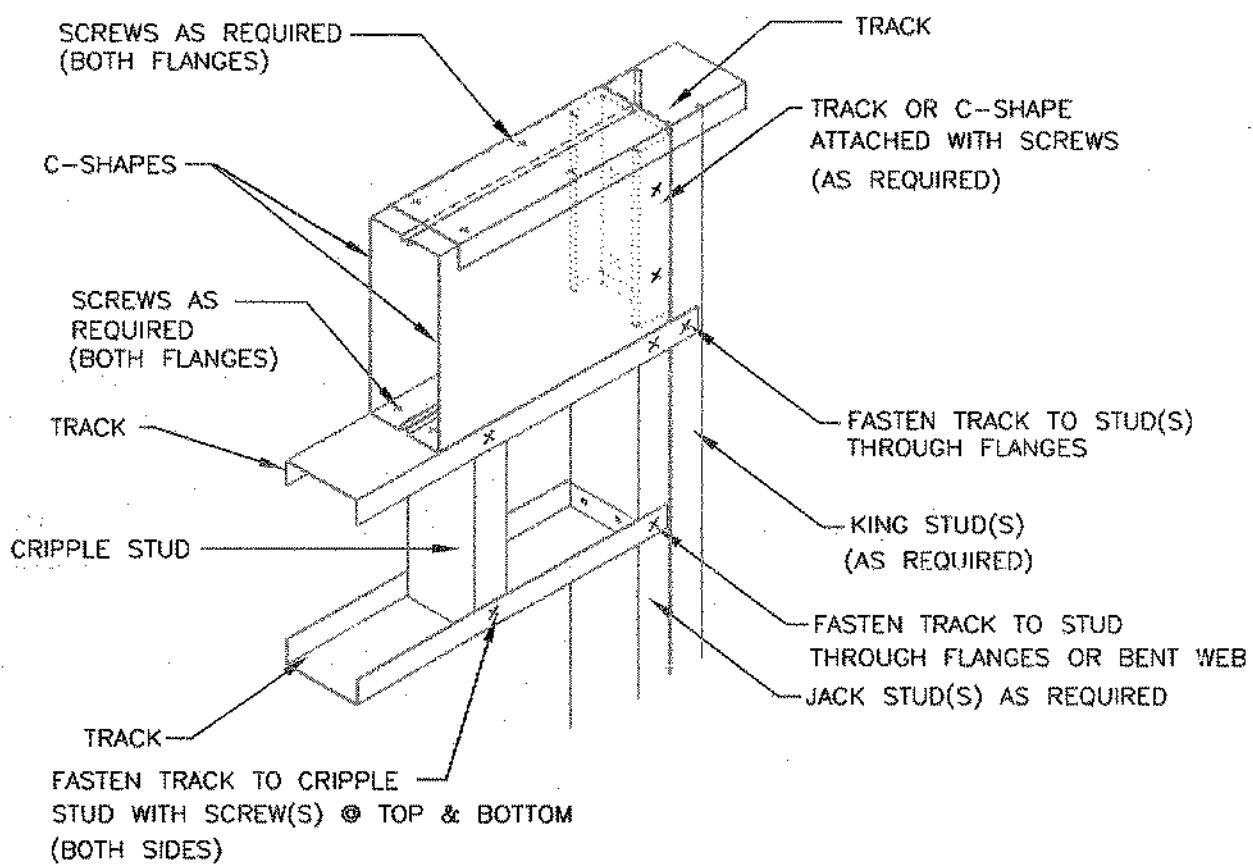
SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY

Since 1974

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BOX BEAM HEADER DETAIL W10

PROJECT:

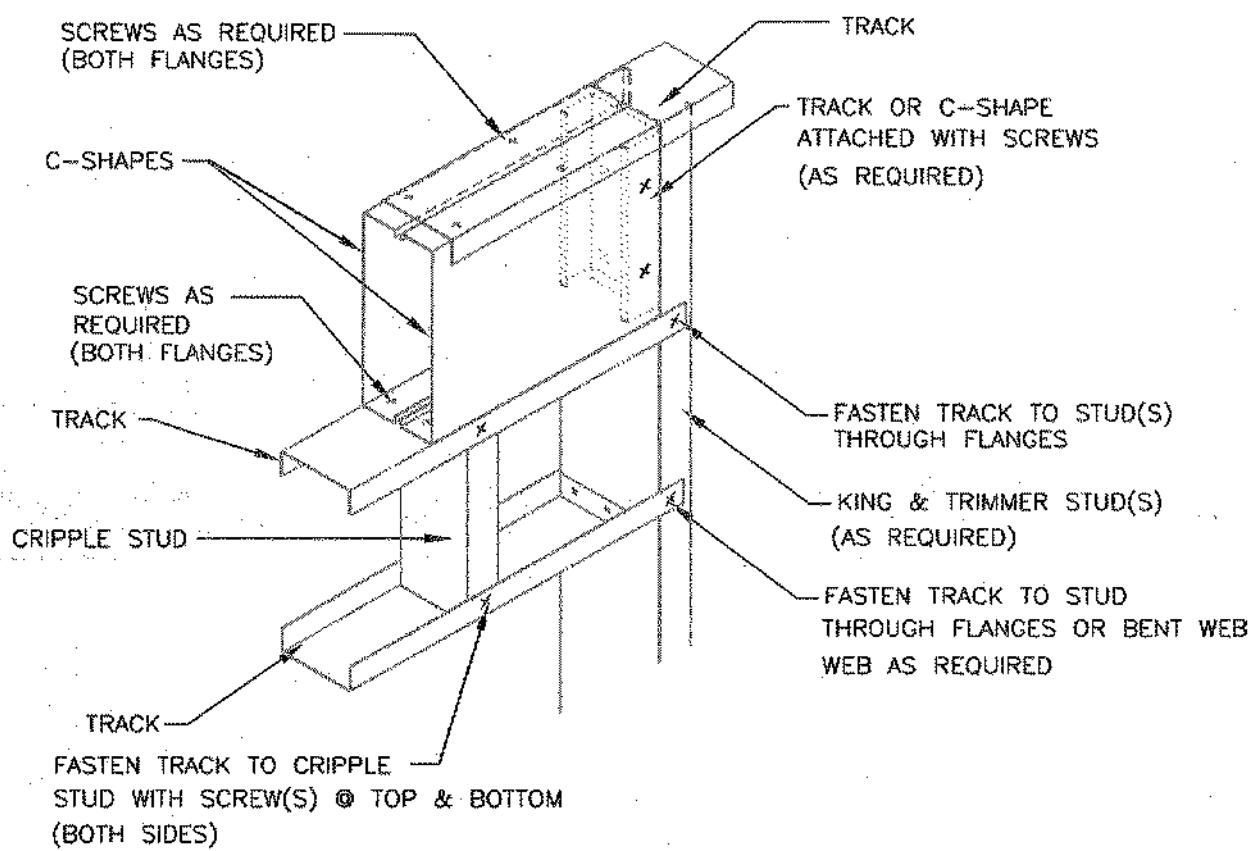
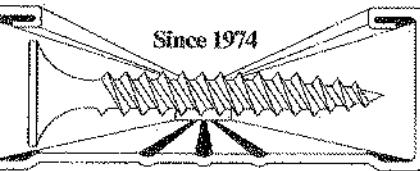
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



BOX BEAM HEADER DETAIL W11

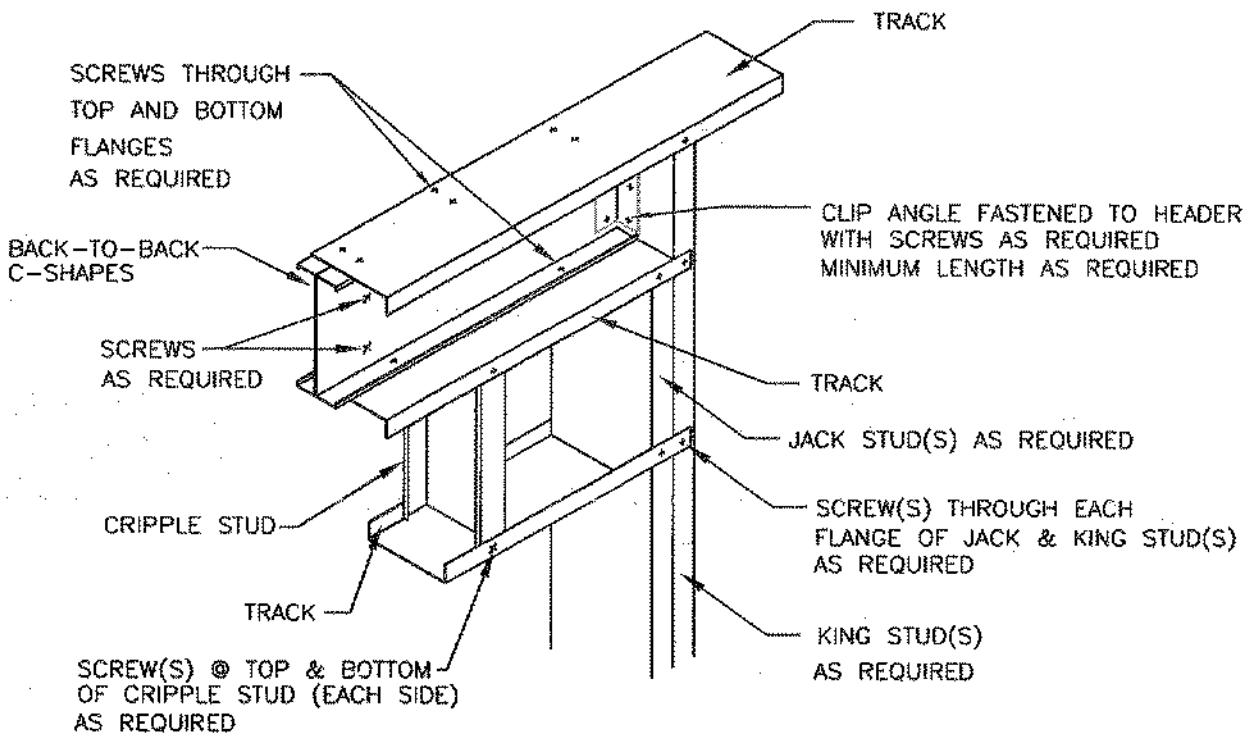
PROJECT:	DATE:
ADDRESS:	SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



TM



BACK-TO-BACK HEADER W/JACK STUD DETAIL W12

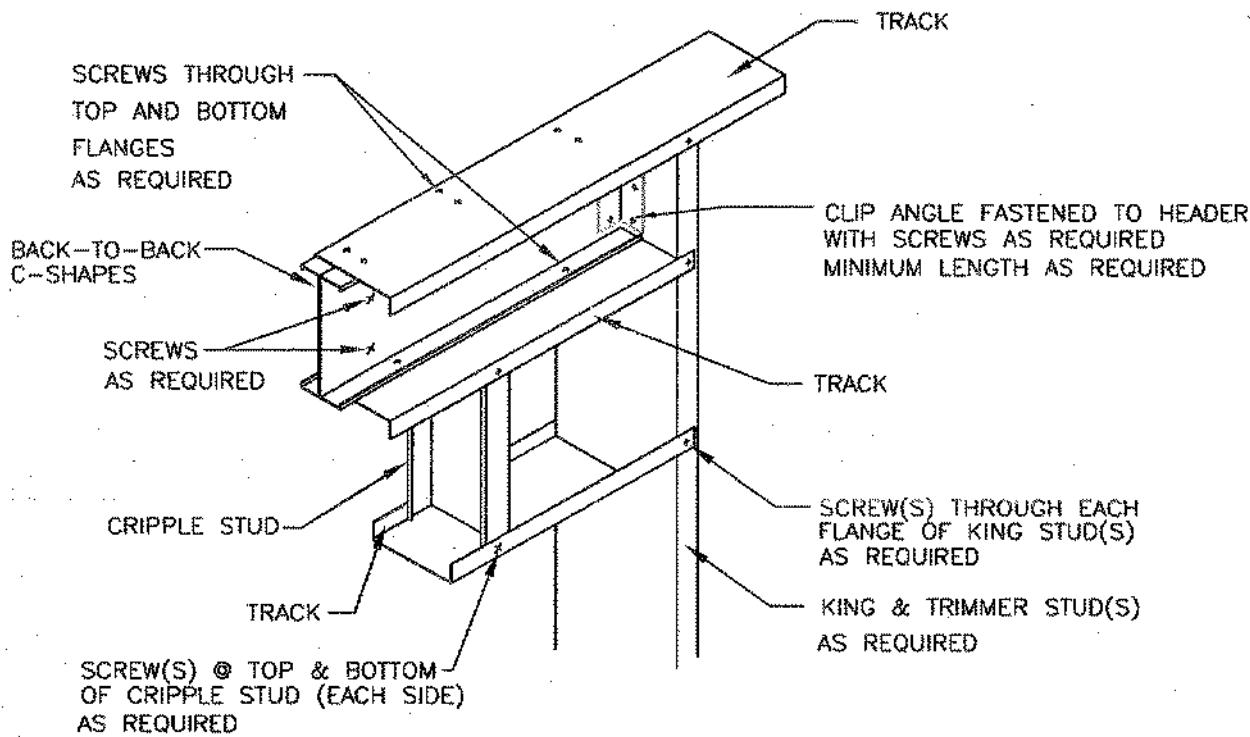
PROJECT:	DATE:
ADDRESS:	SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY

Since 1974

134



BACK-TO-BACK HEADER DETAIL W13

PROJECT:

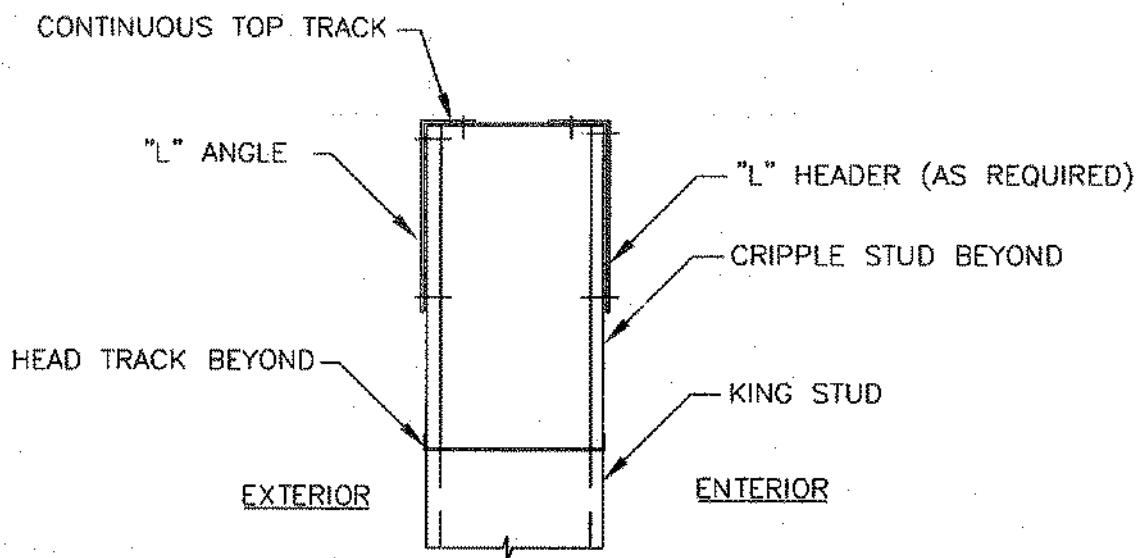
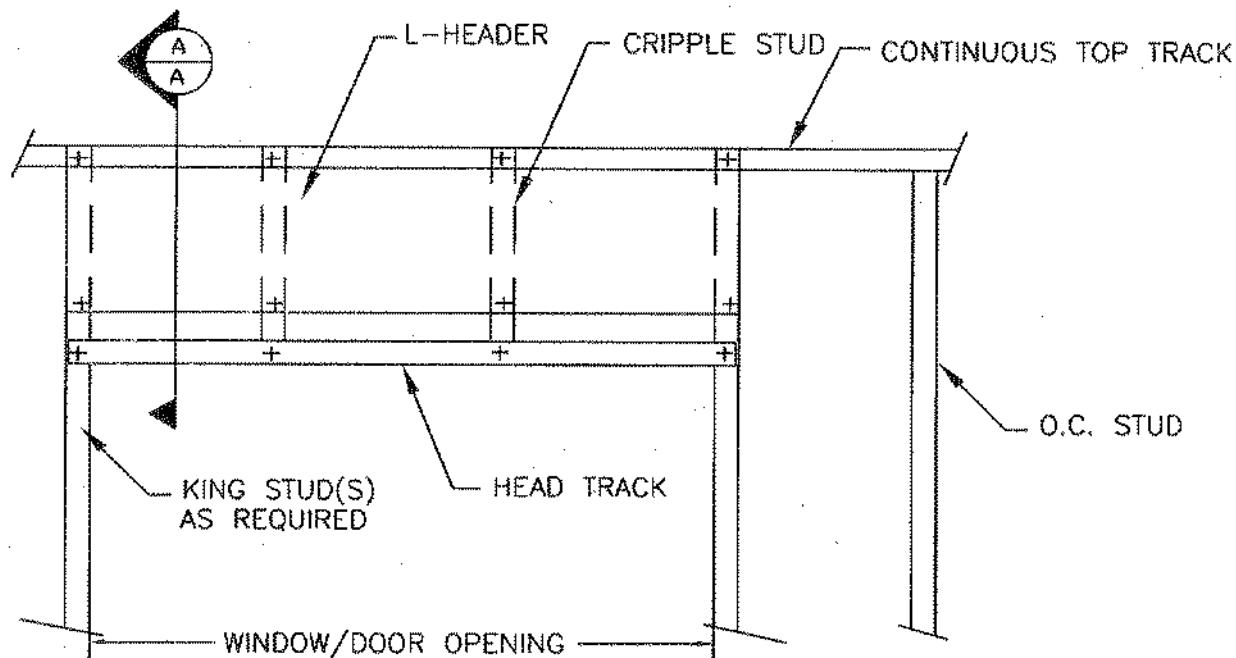
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



SECTION 

L-HEADER DETAIL W14

PROJECT:

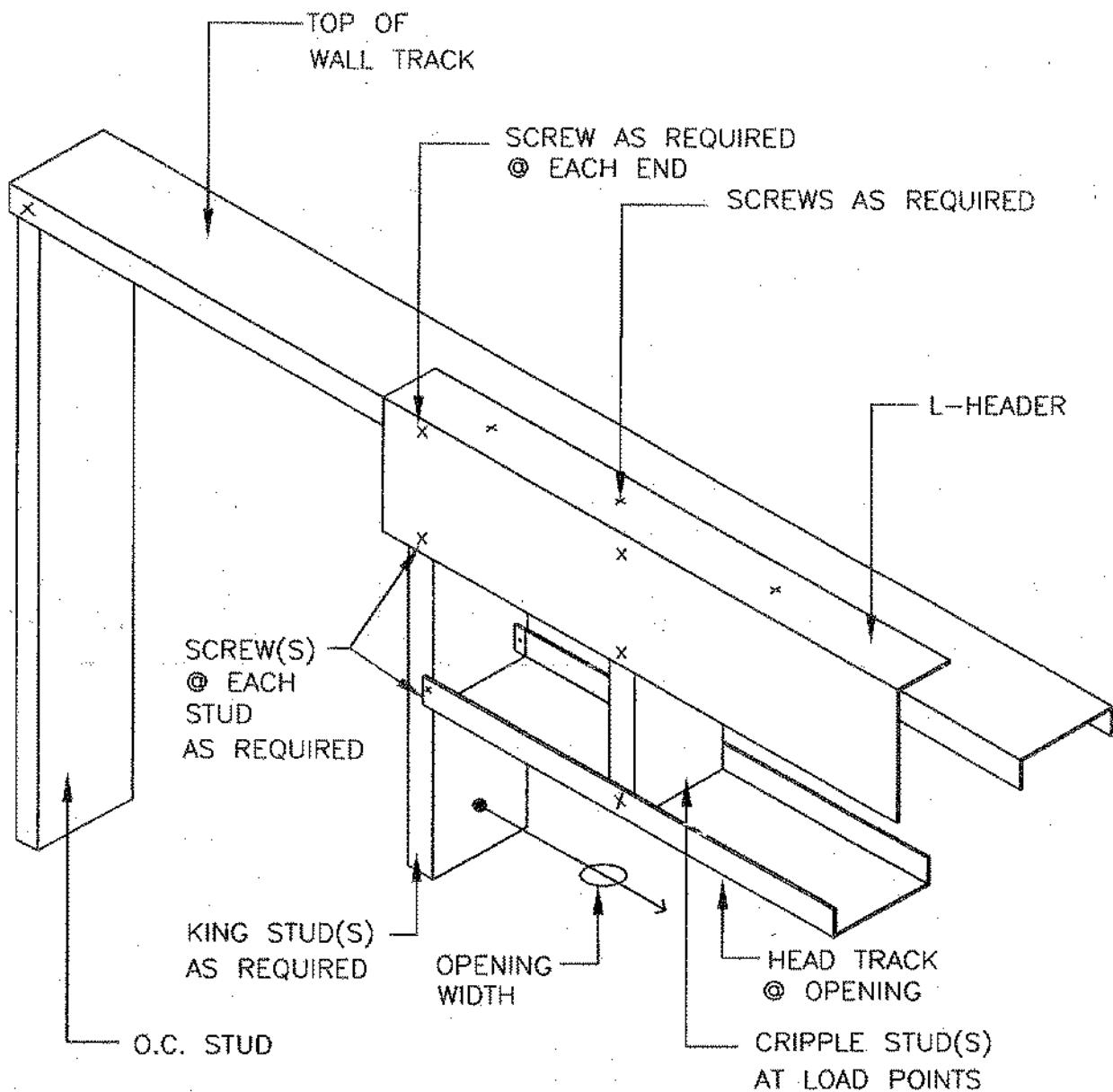
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



SINGLE L-HEADER DETAIL W15

PROJECT:

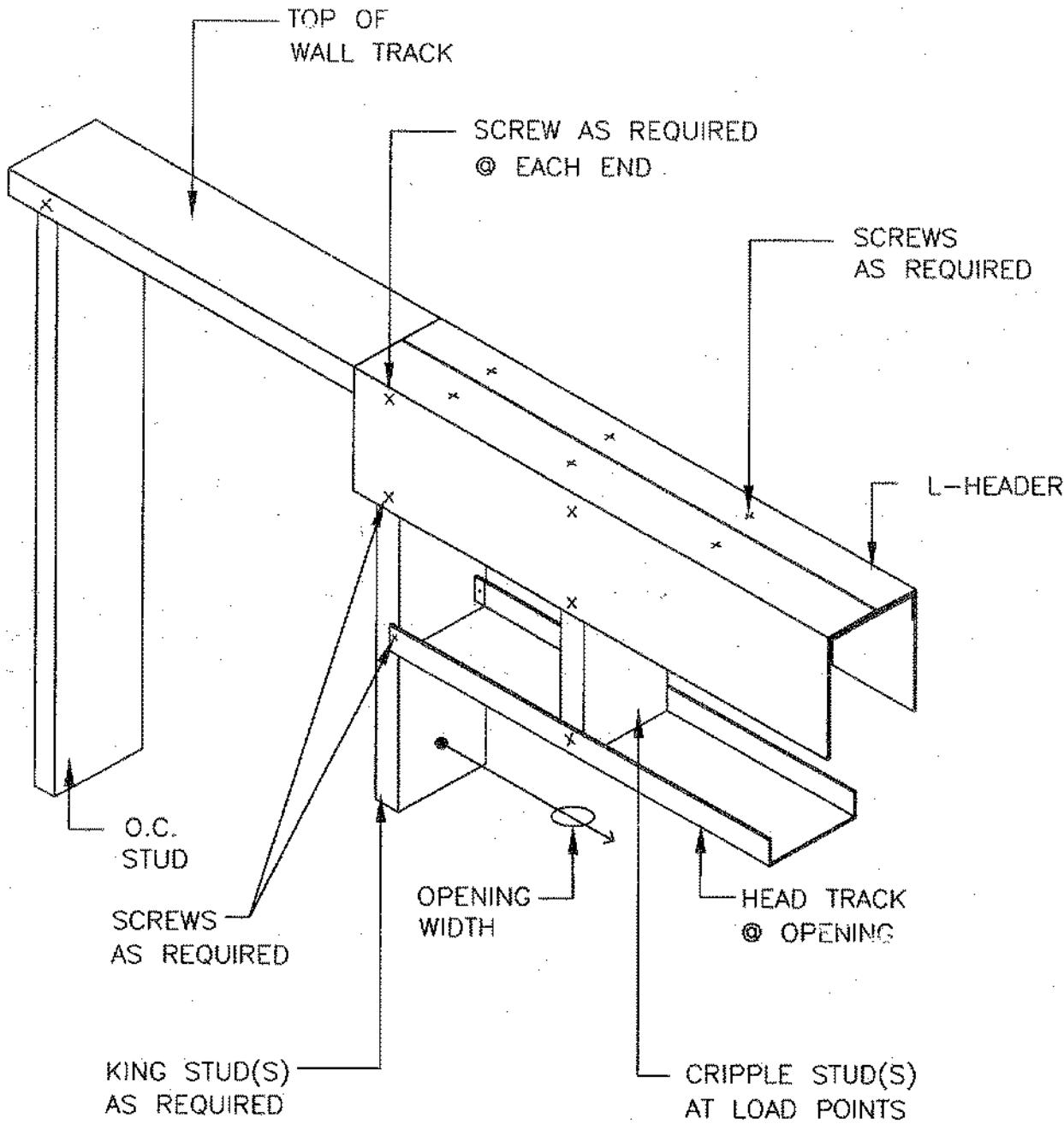
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



DOUBLE L-HEADER DETAIL W16

PROJECT:

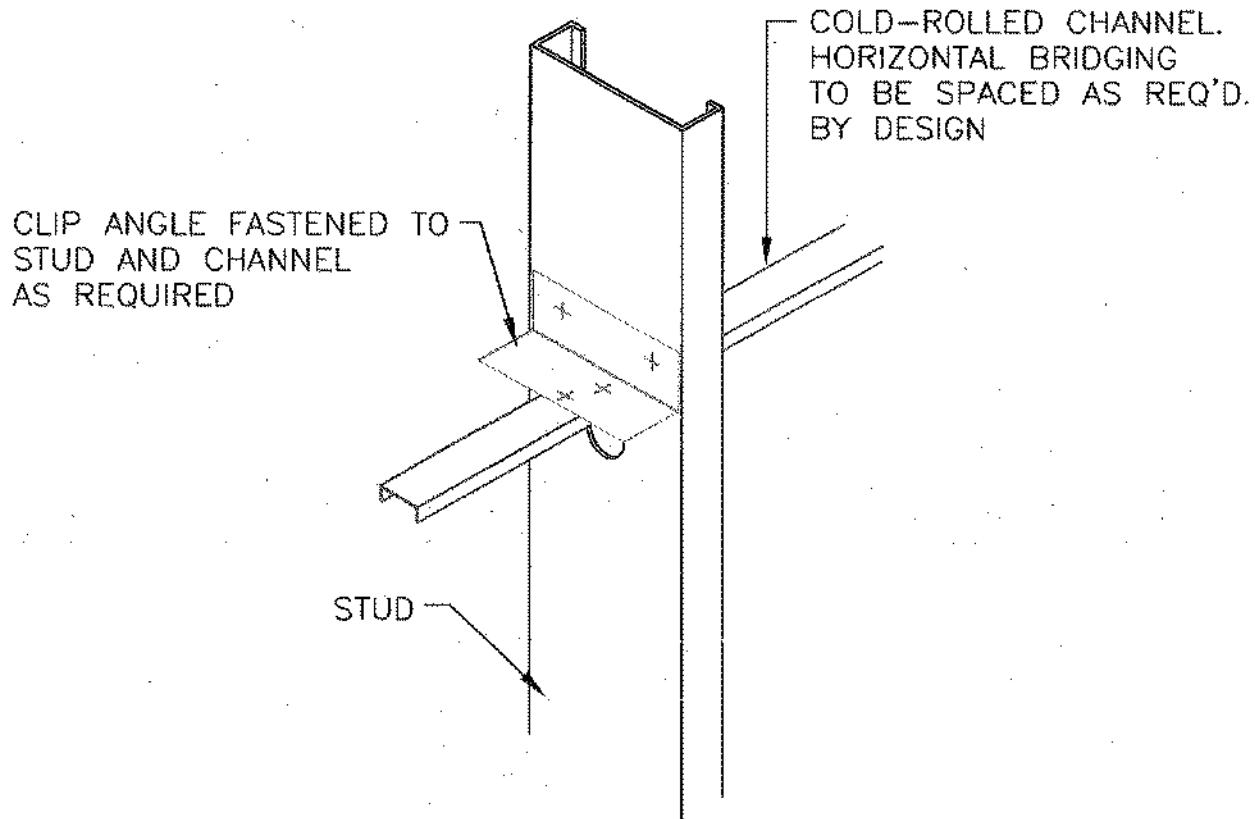
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



STUD BRACING W/COLD-ROLLED CHANNEL DETAIL W17

PROJECT:

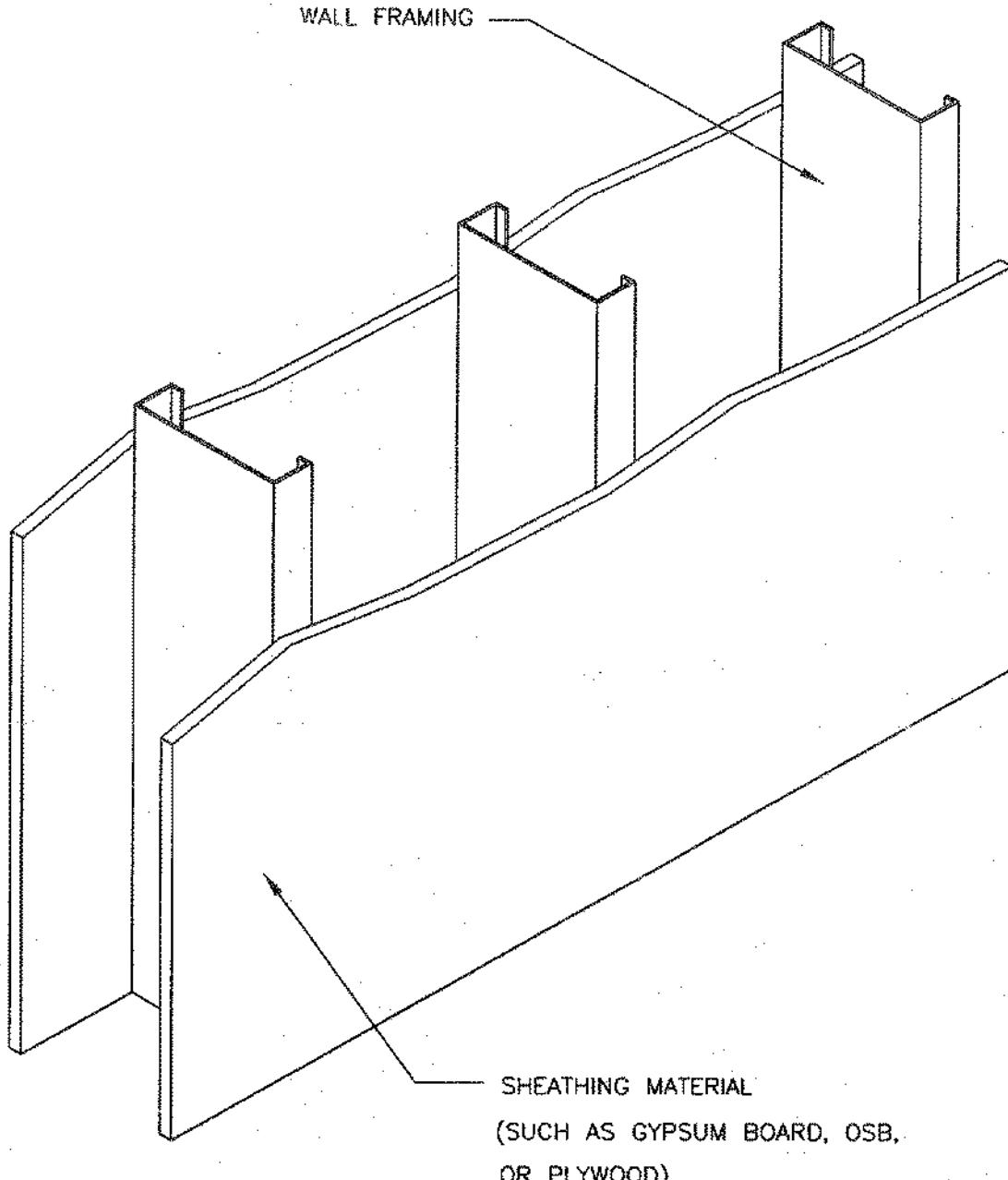
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



STUD BRACING W/SHEATHING DETAIL W18

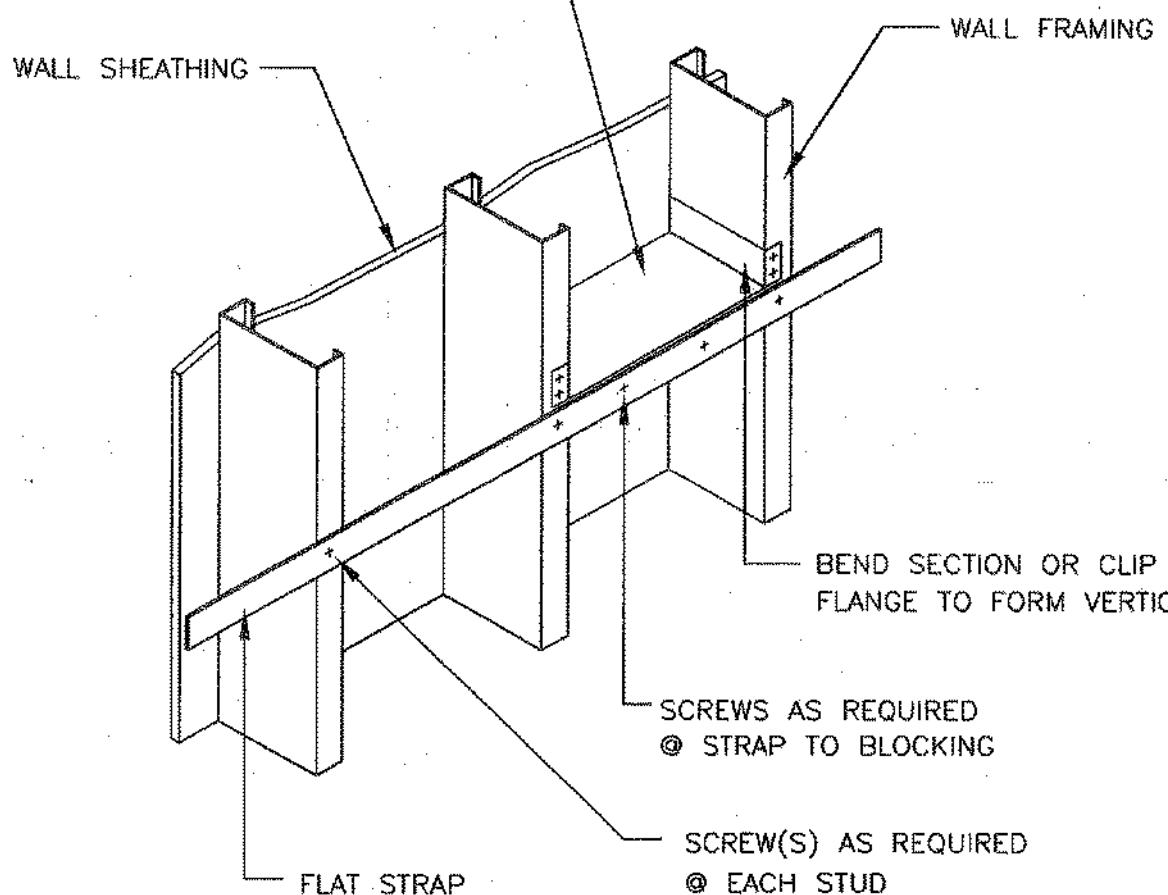
PROJECT:	DATE:
ADDRESS:	SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



STUD/TRACK BLOCKING
@ EACH END OF STRAP
& INTERMITTENTLY AS REQUIRED



STUD BRACING W/STRAPPING AND SHEATHING DETAIL W19

PROJECT:

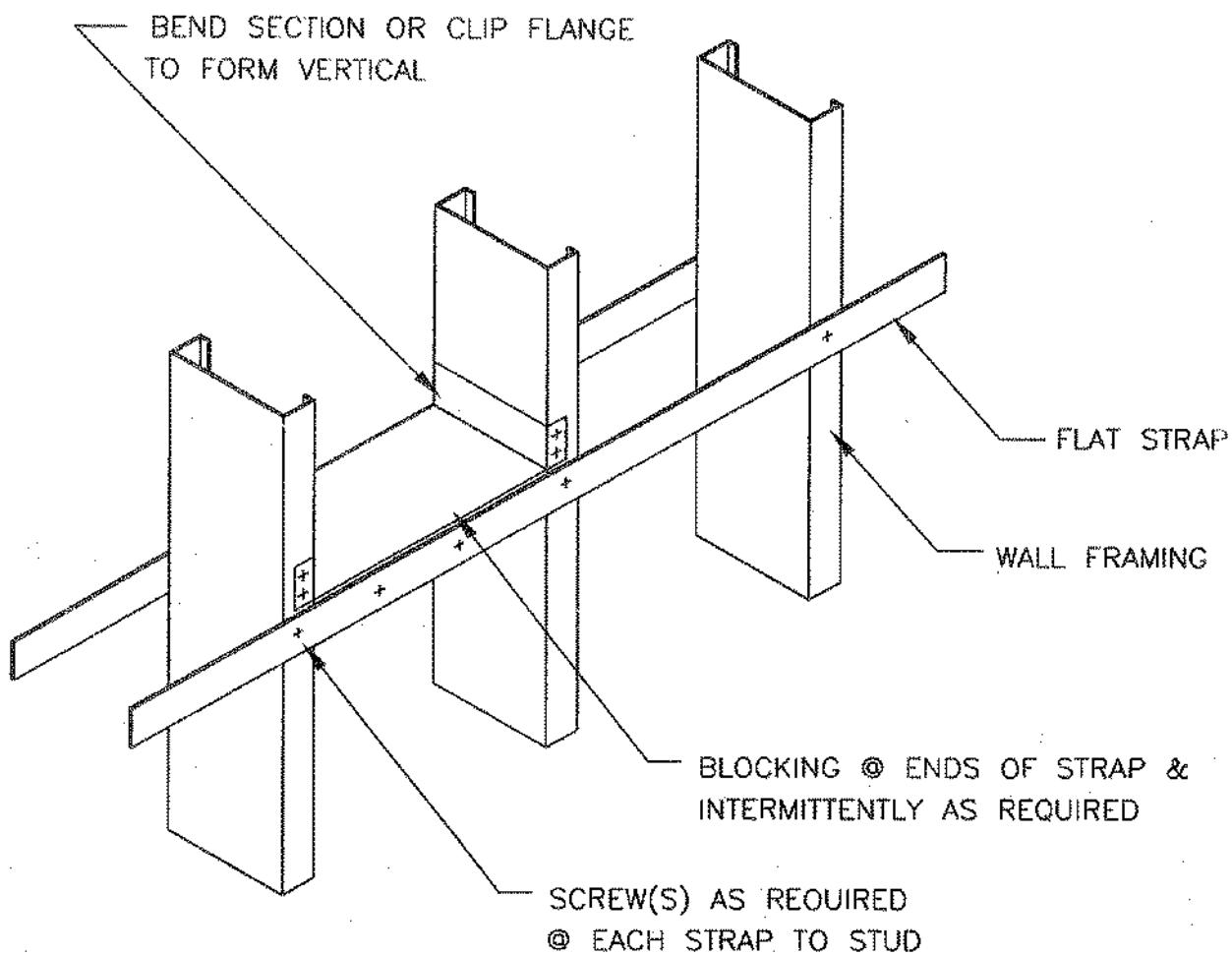
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



STUD BRACING W/STRAPPING AND BLOCKING DETAIL W20

PROJECT:

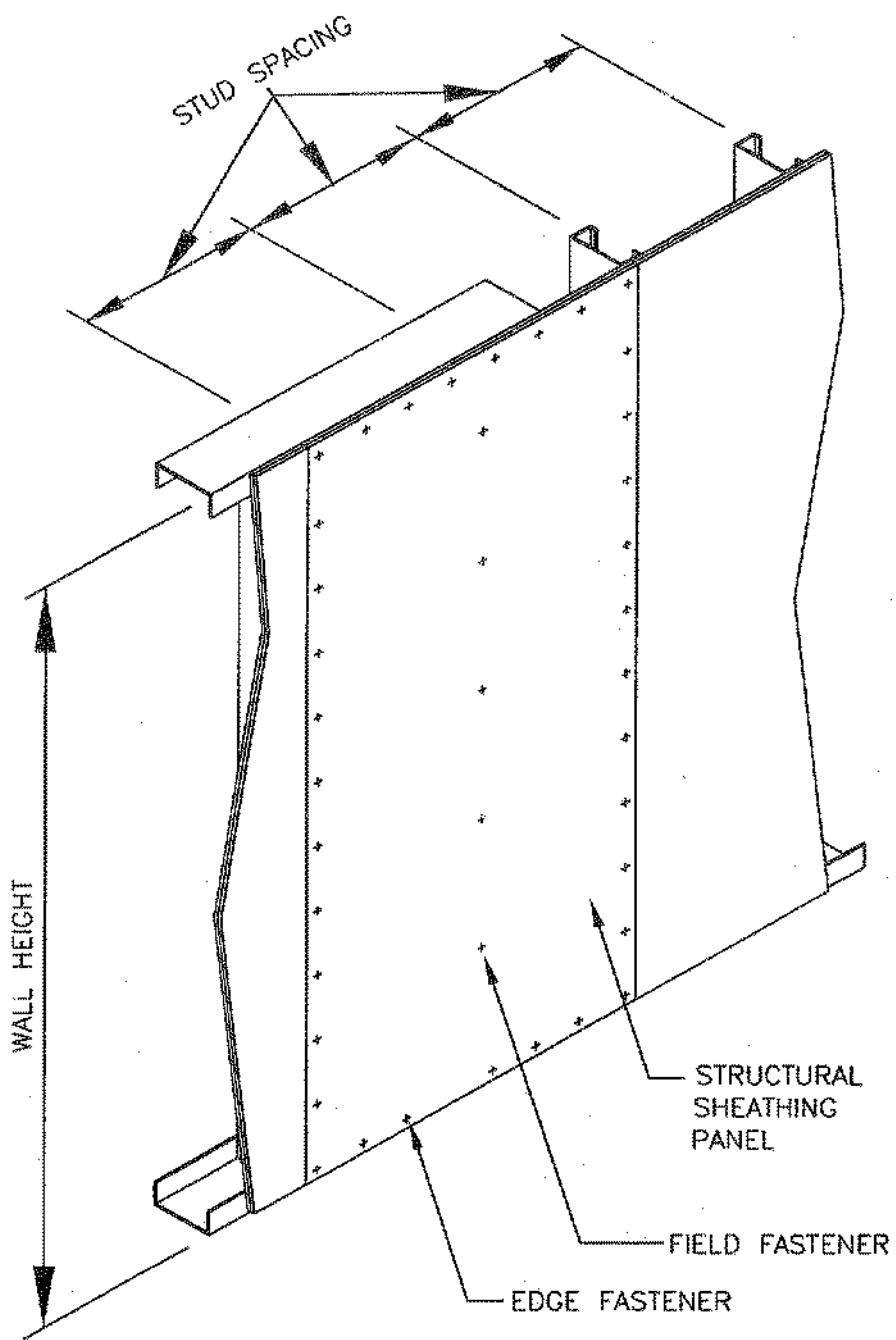
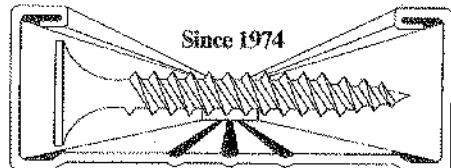
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



STRUCTURAL SHEATHING FASTENING TO WALL STUDS DETAIL W21

PROJECT:

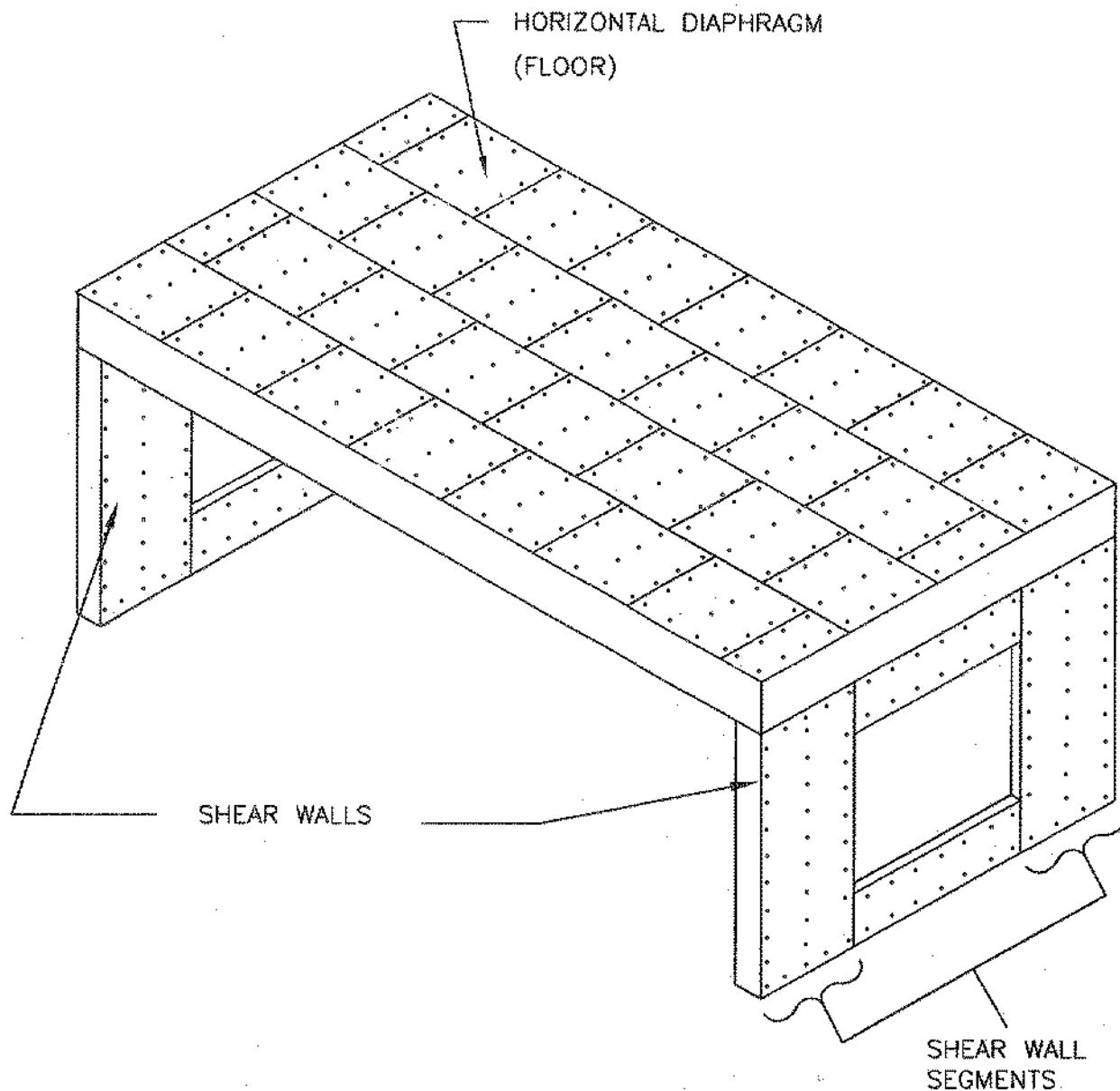
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



SHEAR WALL AND DIAPHRAGM DETAIL W22

PROJECT:

DATE:

ADDRESS:

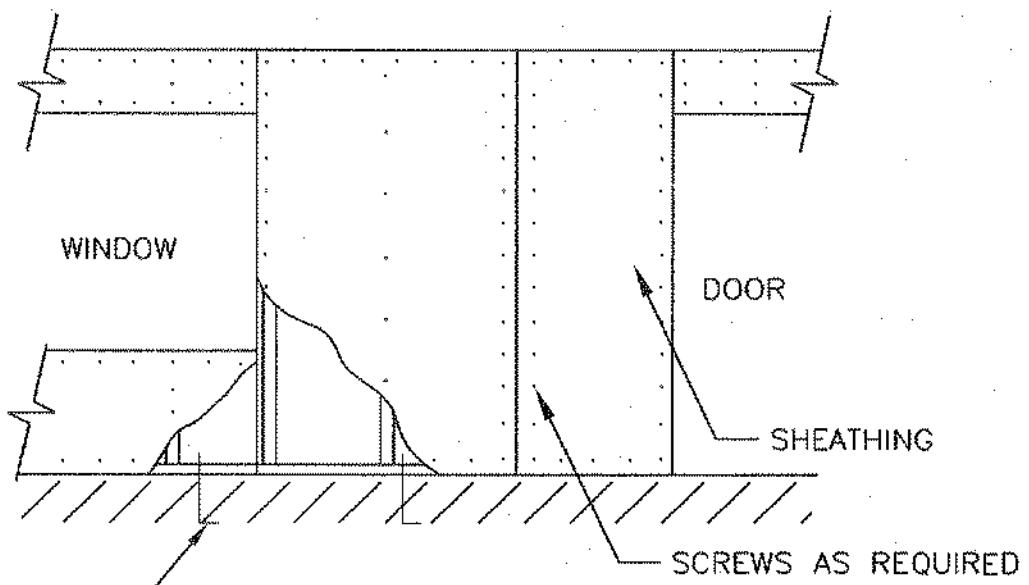
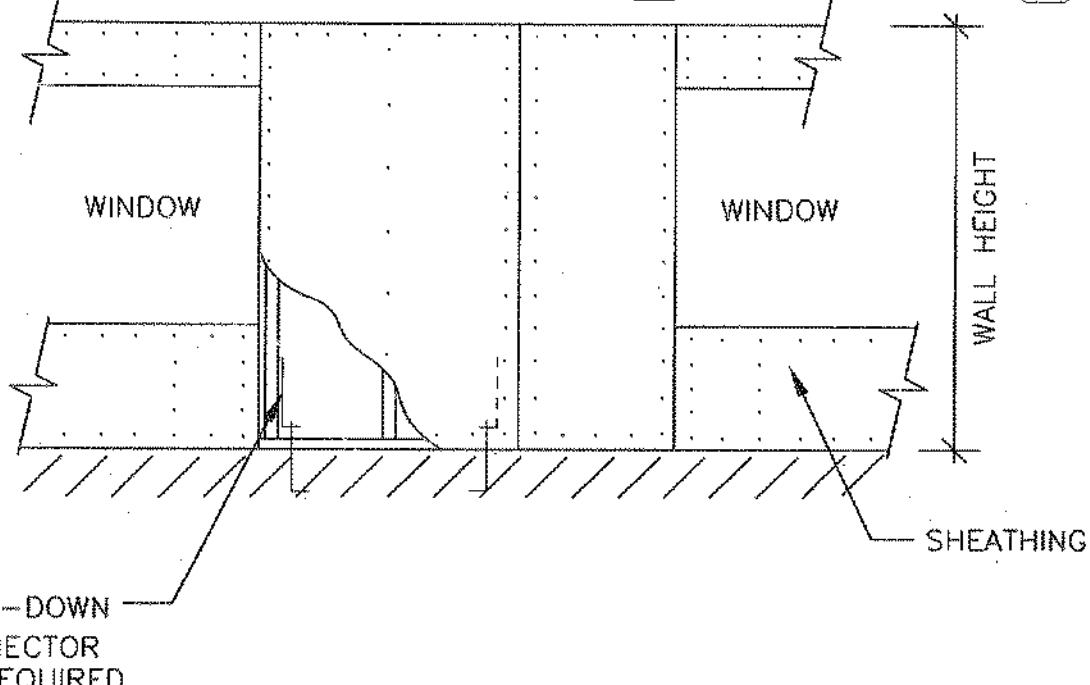
SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY

Since 1974

TM



BOTTOM
TRACK
ANCHOR (TYP.)
AS REQUIRED

SHEATHED WALL W/OPENINGS DETAIL W23

PROJECT:

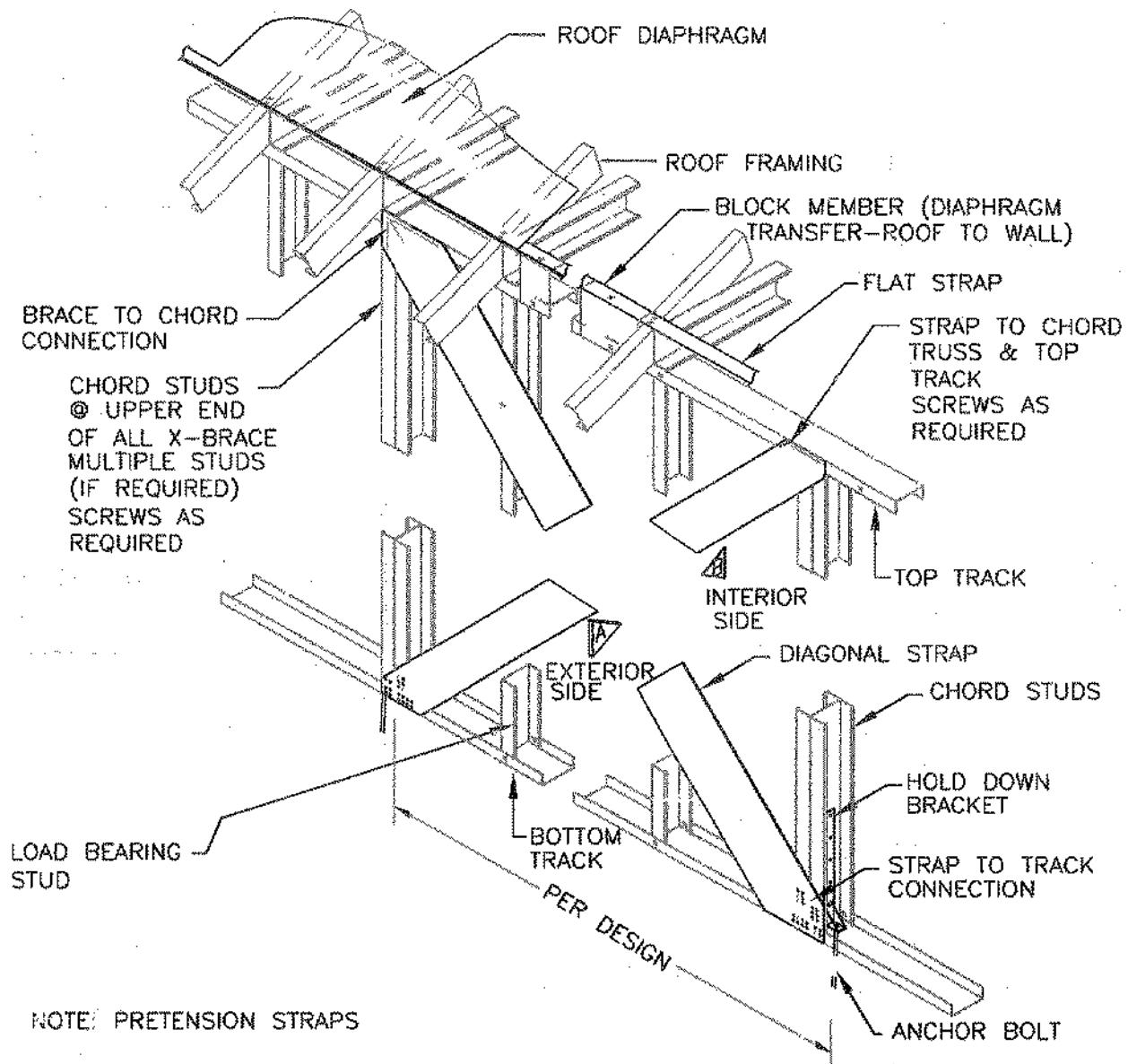
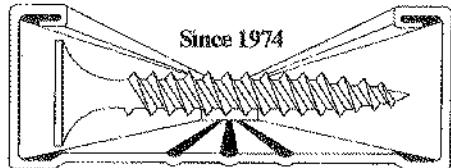
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



SINGLE STORY X-BRACING DETAIL W24

PROJECT:

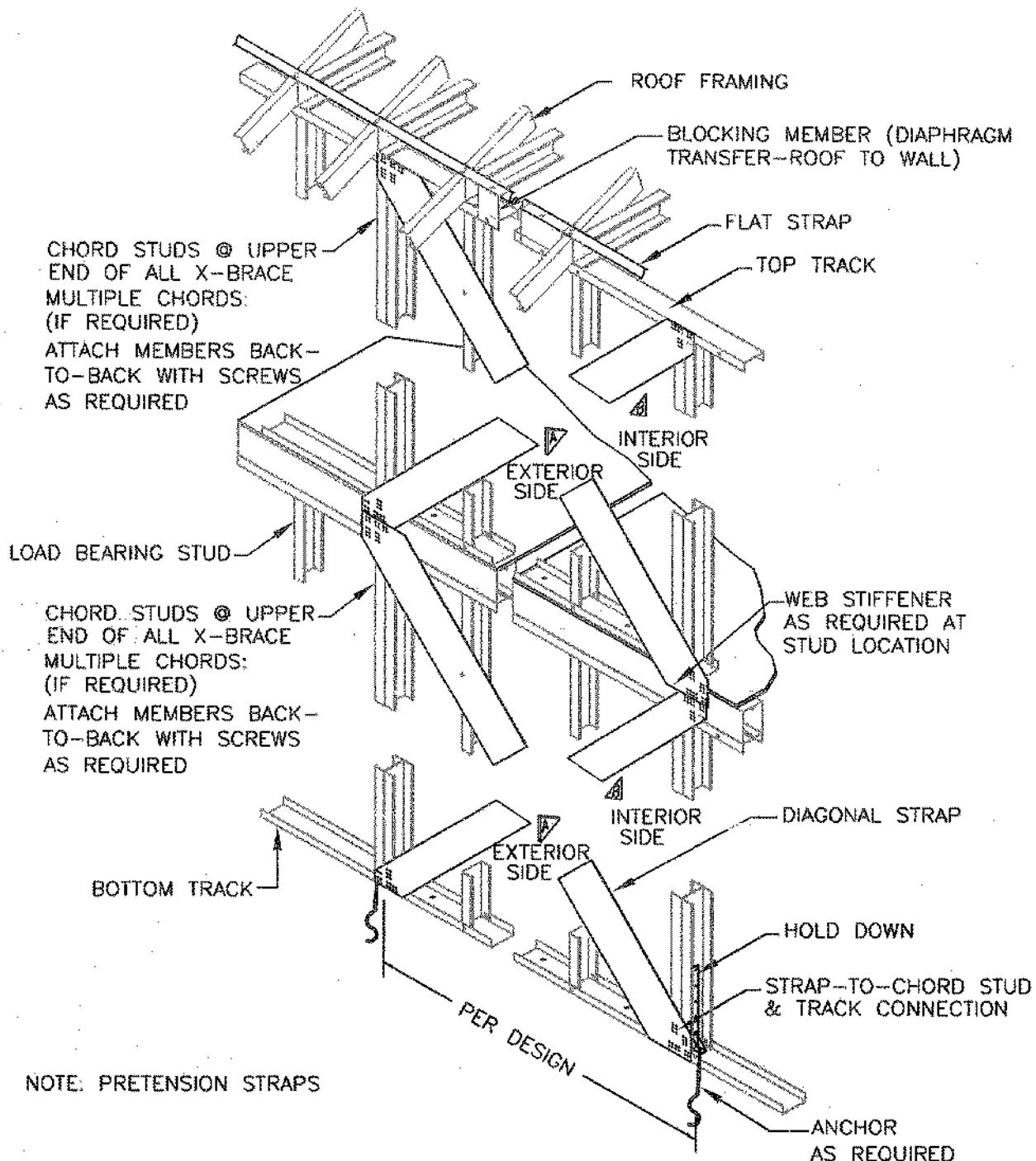
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY

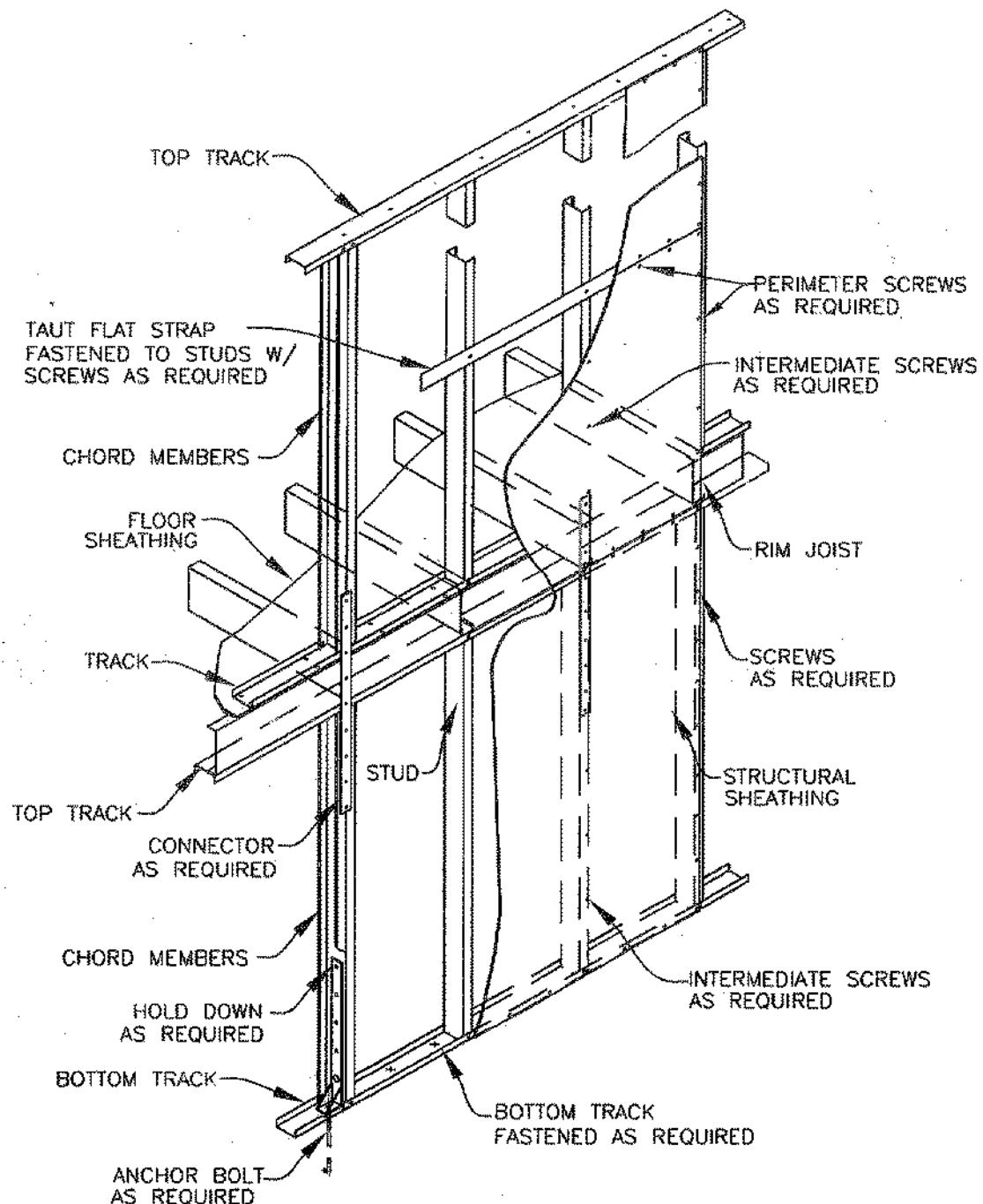


TWO STORY X-BRACING DETAIL W25

PROJECT:	DATE:
ADDRESS:	SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



TWO STORY SHEATHED WALL DETAIL W26

PROJECT:

DATE:

ADDRESS:

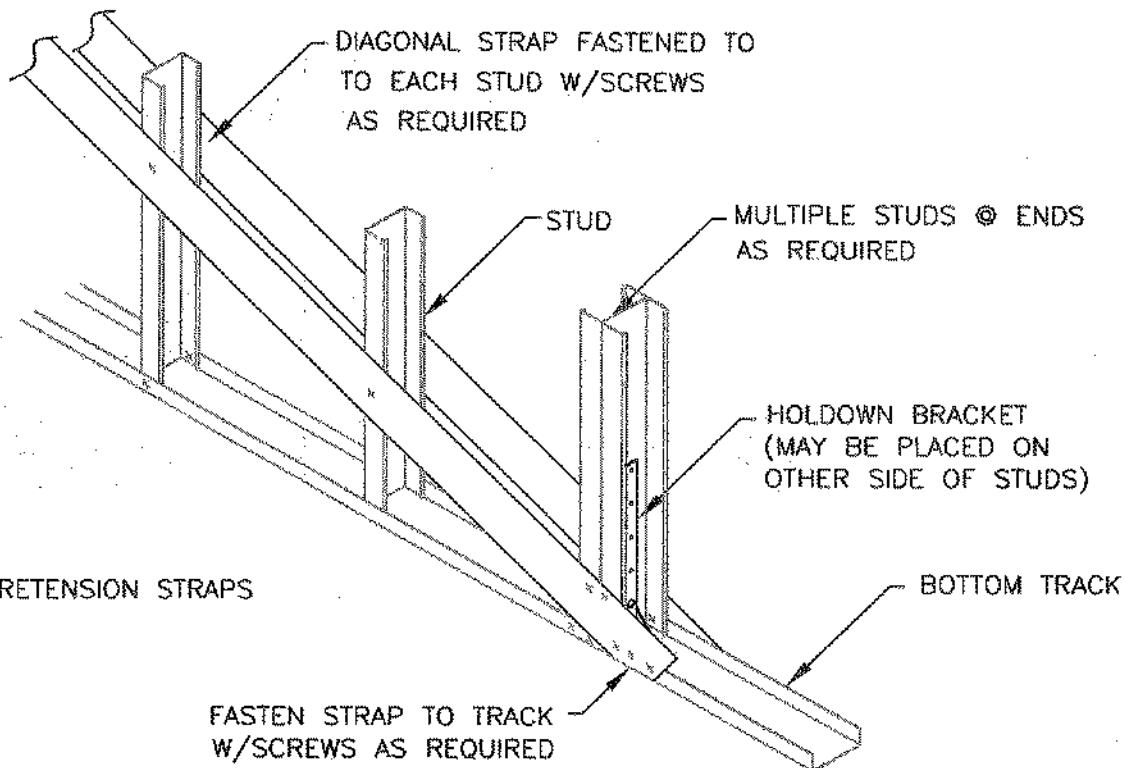
SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



™



X-BRACING DETAIL W27

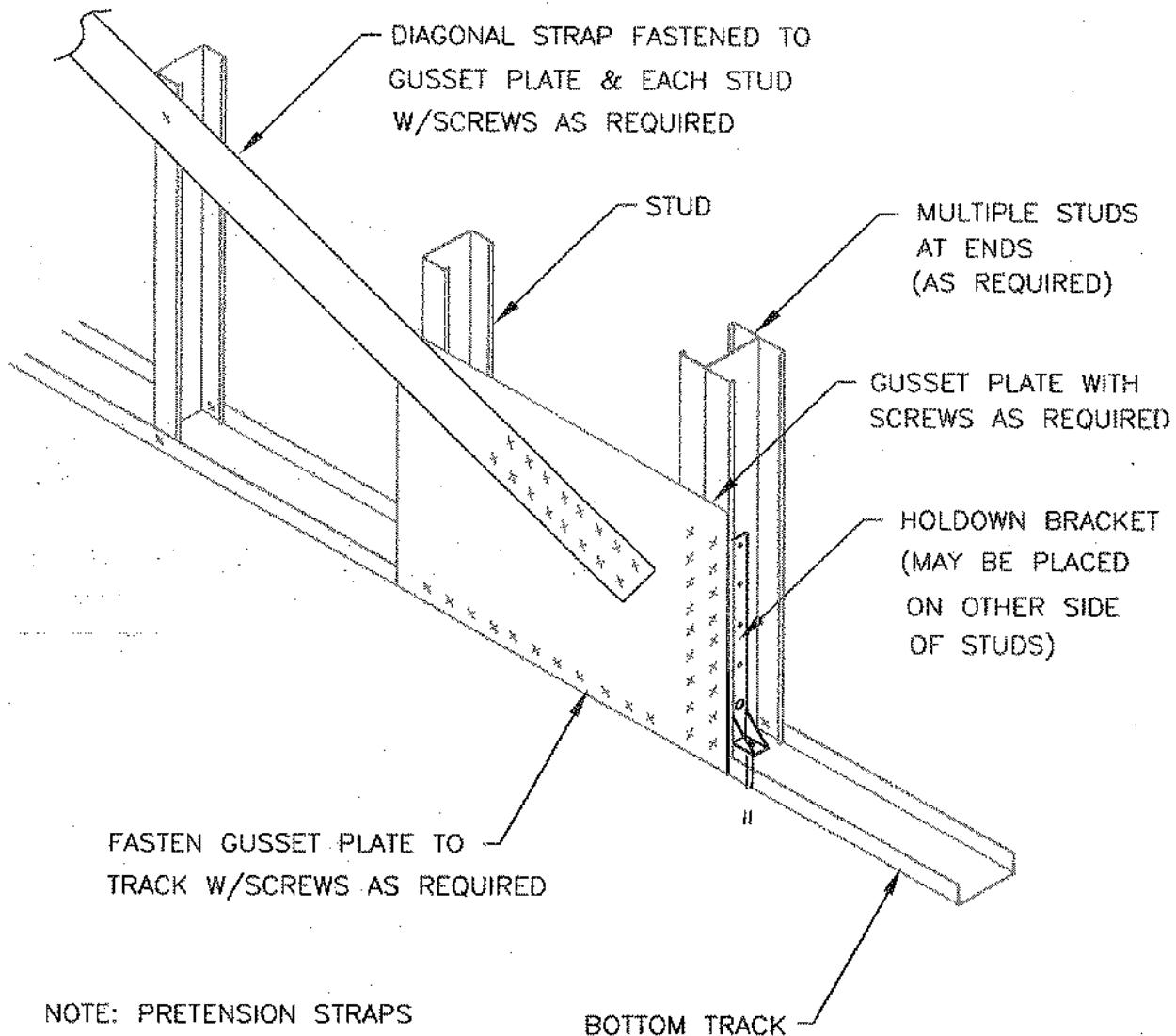
PROJECT:	DATE:
ADDRESS:	SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



™



X-BRACING W/GUSSET DETAIL W28

PROJECT:

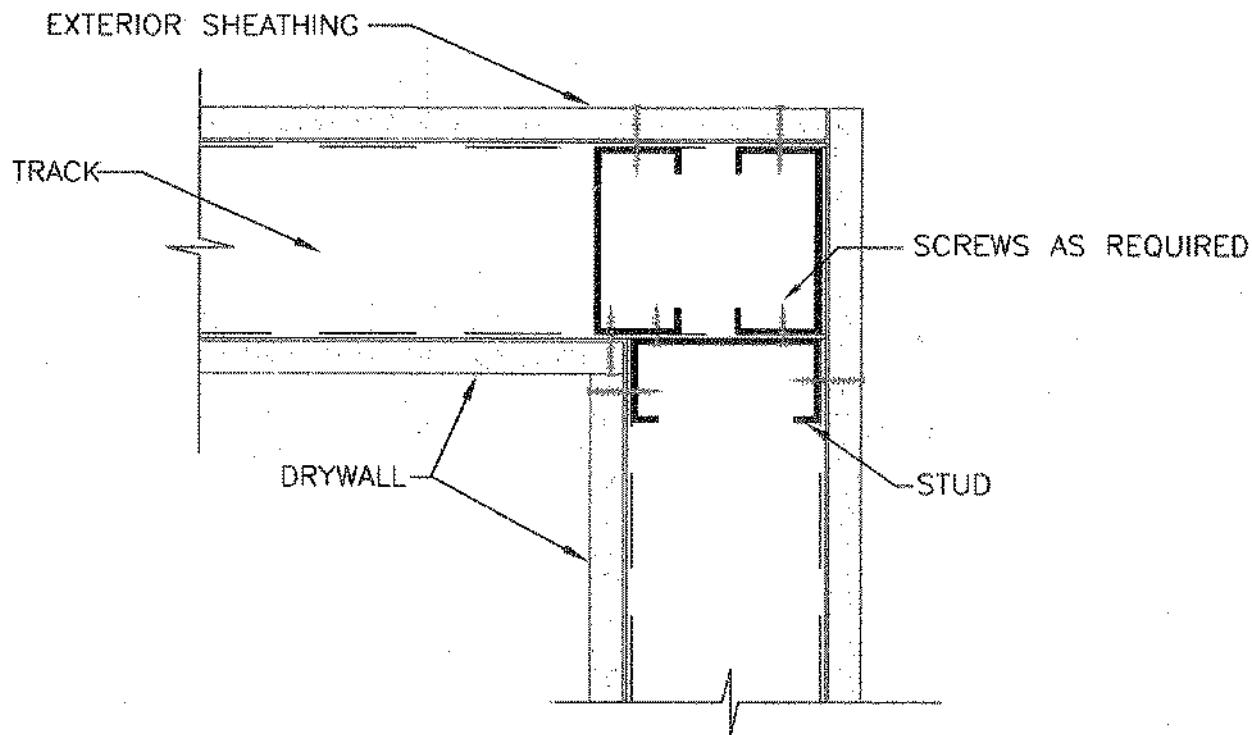
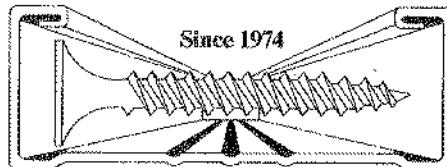
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



CORNER FRAMING DETAIL W29

PROJECT:

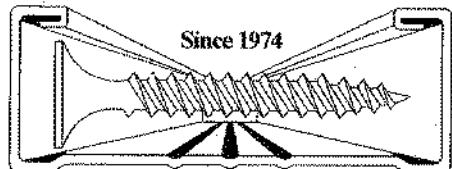
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



NON-LOAD BEARING WALLS

Detail NL1 Non-Load Bearing Wall Framing

Detail NL2 Sill and Head Track Connection Detail

Detail NL3 Corner Framing Detail

Detail NL4 Slammer Stud Detail

Detail NL5 Window Opening Framing Detail

Detail NL6 Door Opening Framing Detail

Detail NL7 Non-Load Bearing Opening

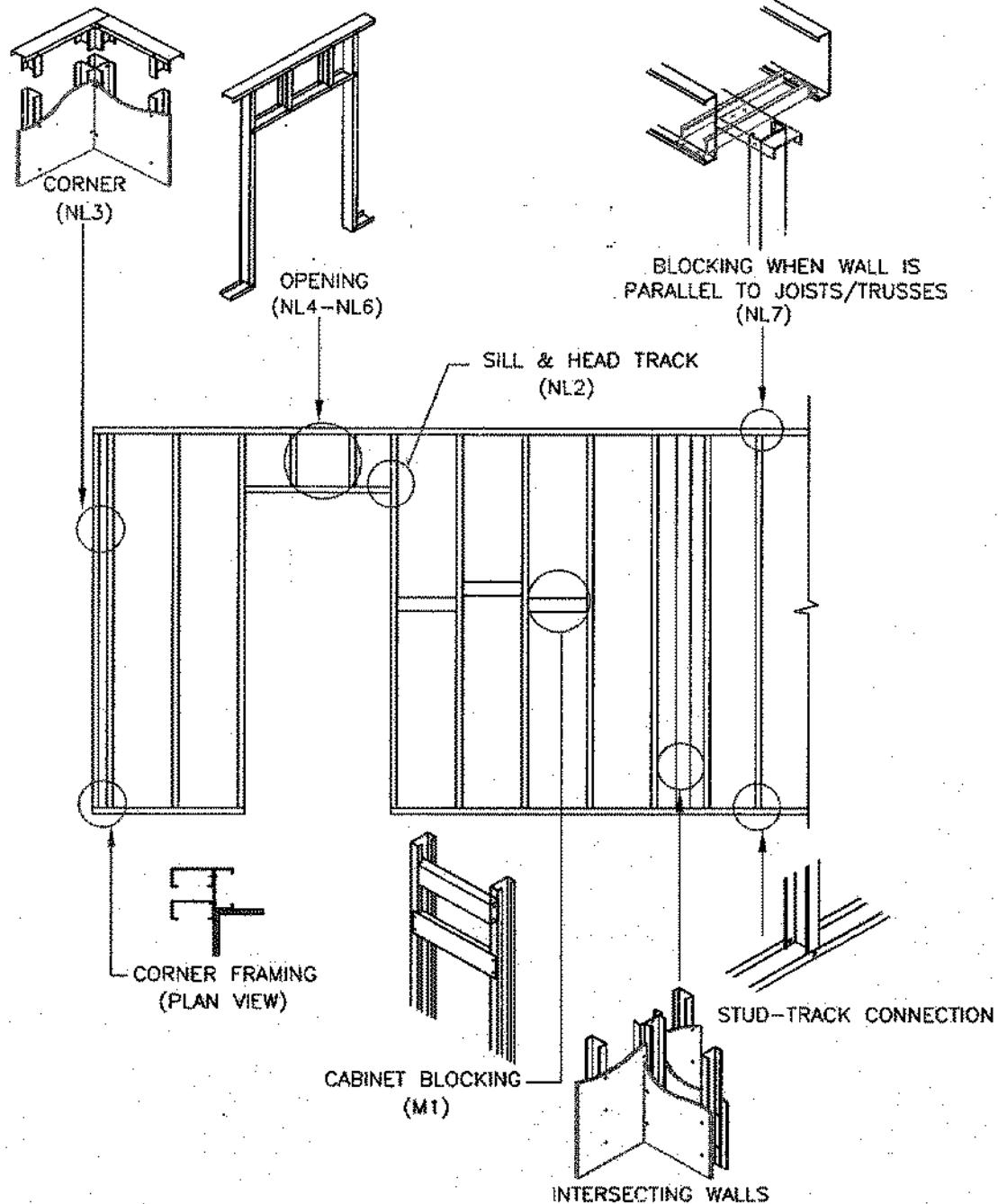
Detail NL8 Non-Load Bearing Wall Parallel to Joist

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY

Since 1974

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NON-LOAD BEARING WALL FRAMING DETAIL NL1

PROJECT:

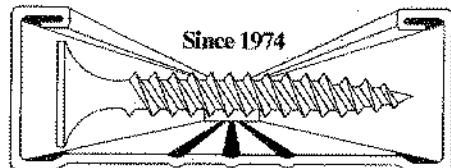
DATE:

ADDRESS:

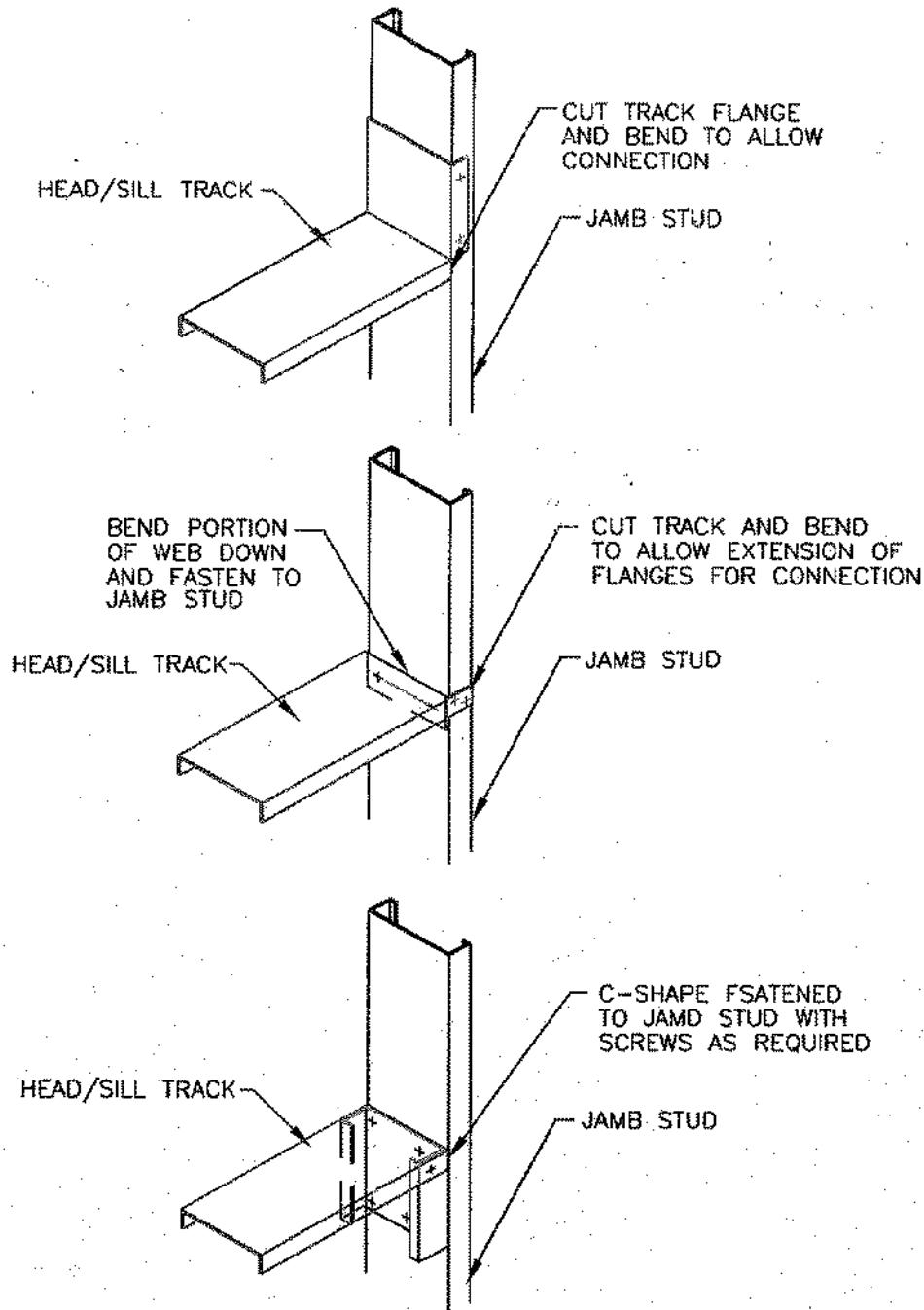
SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



TM



SILL AND HEAD TRACK CONNECTION DETAIL NL2

PROJECT:

DATE:

ADDRESS:

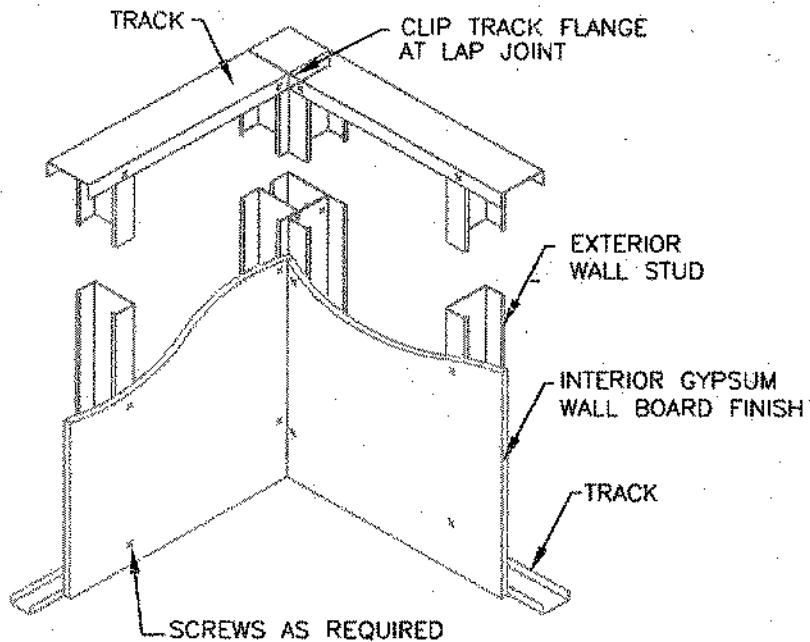
SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



TM



CORNER FRAMING DETAIL NL3

PROJECT:

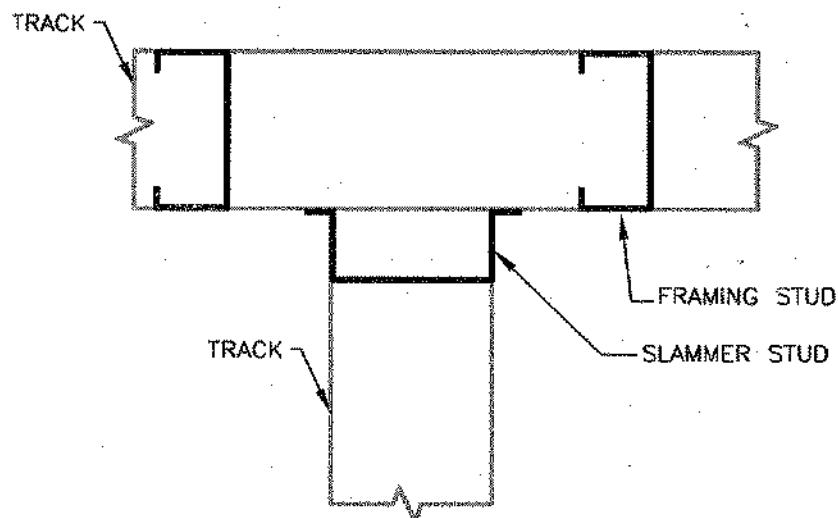
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SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



SLAMMER STUD DETAIL NL3

PROJECT:

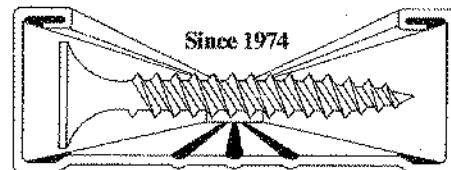
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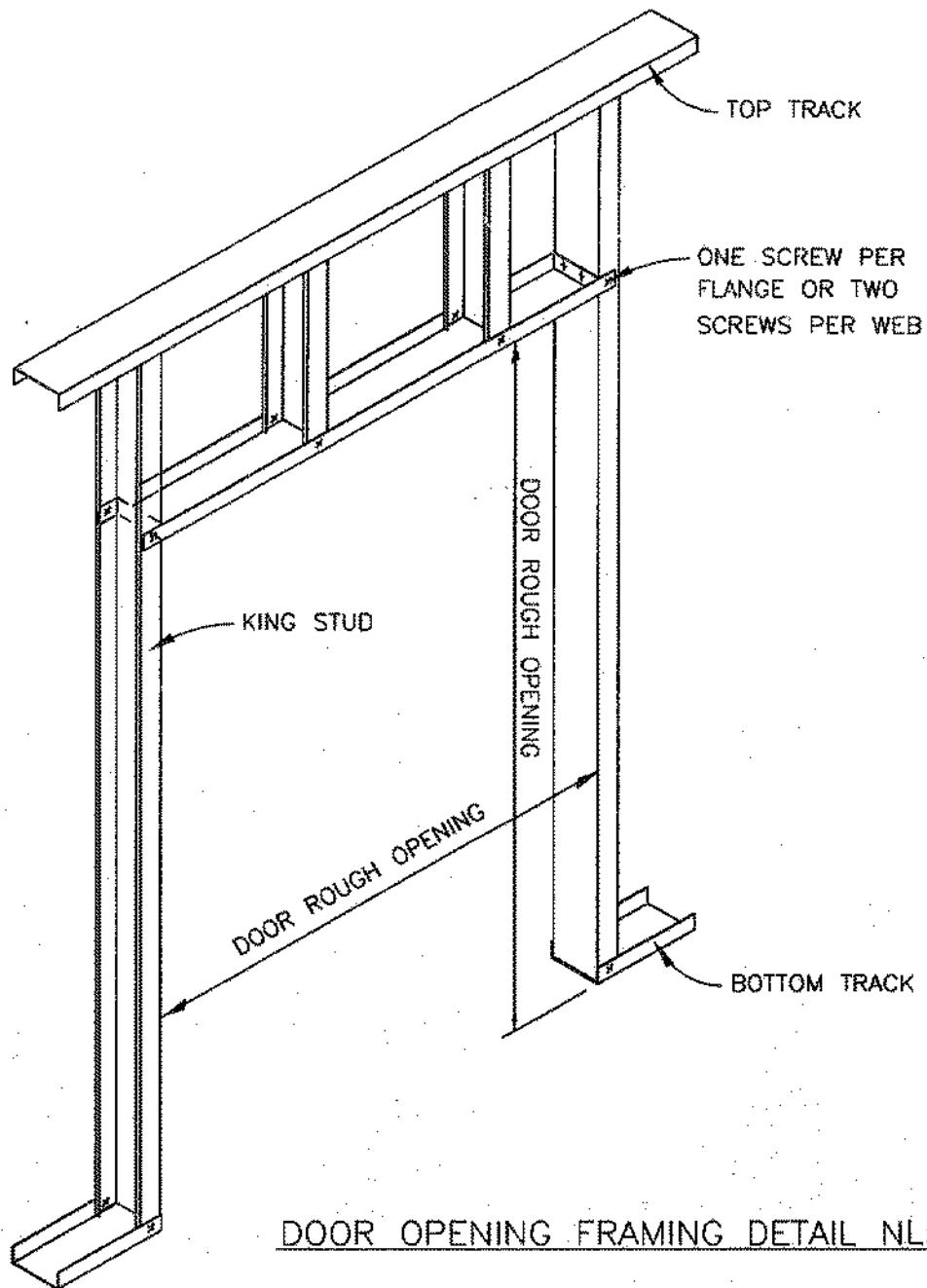
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STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



TM



PROJECT:

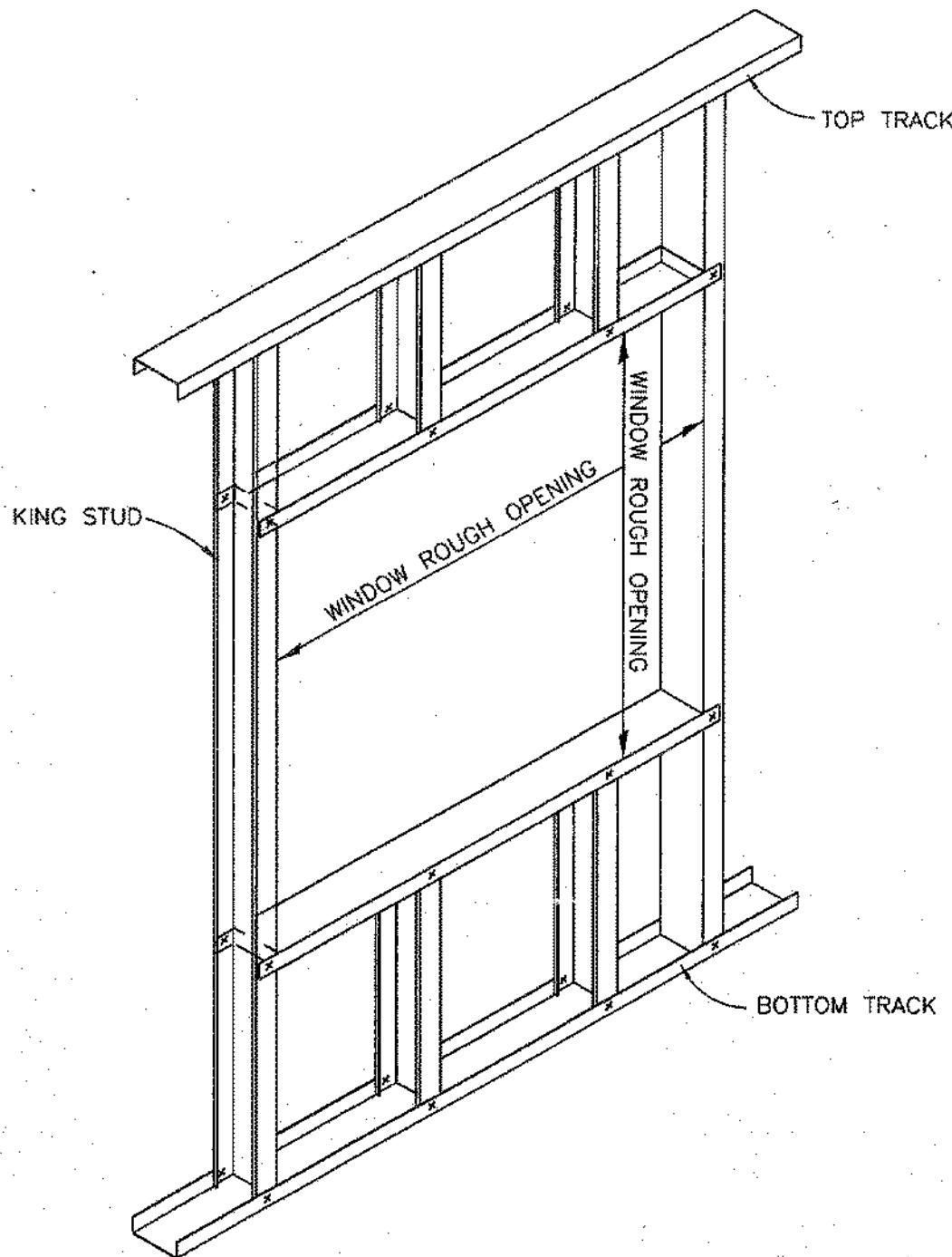
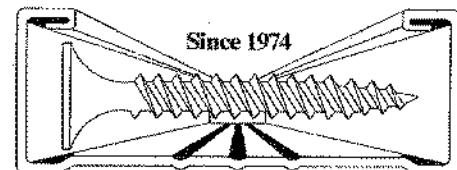
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STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY

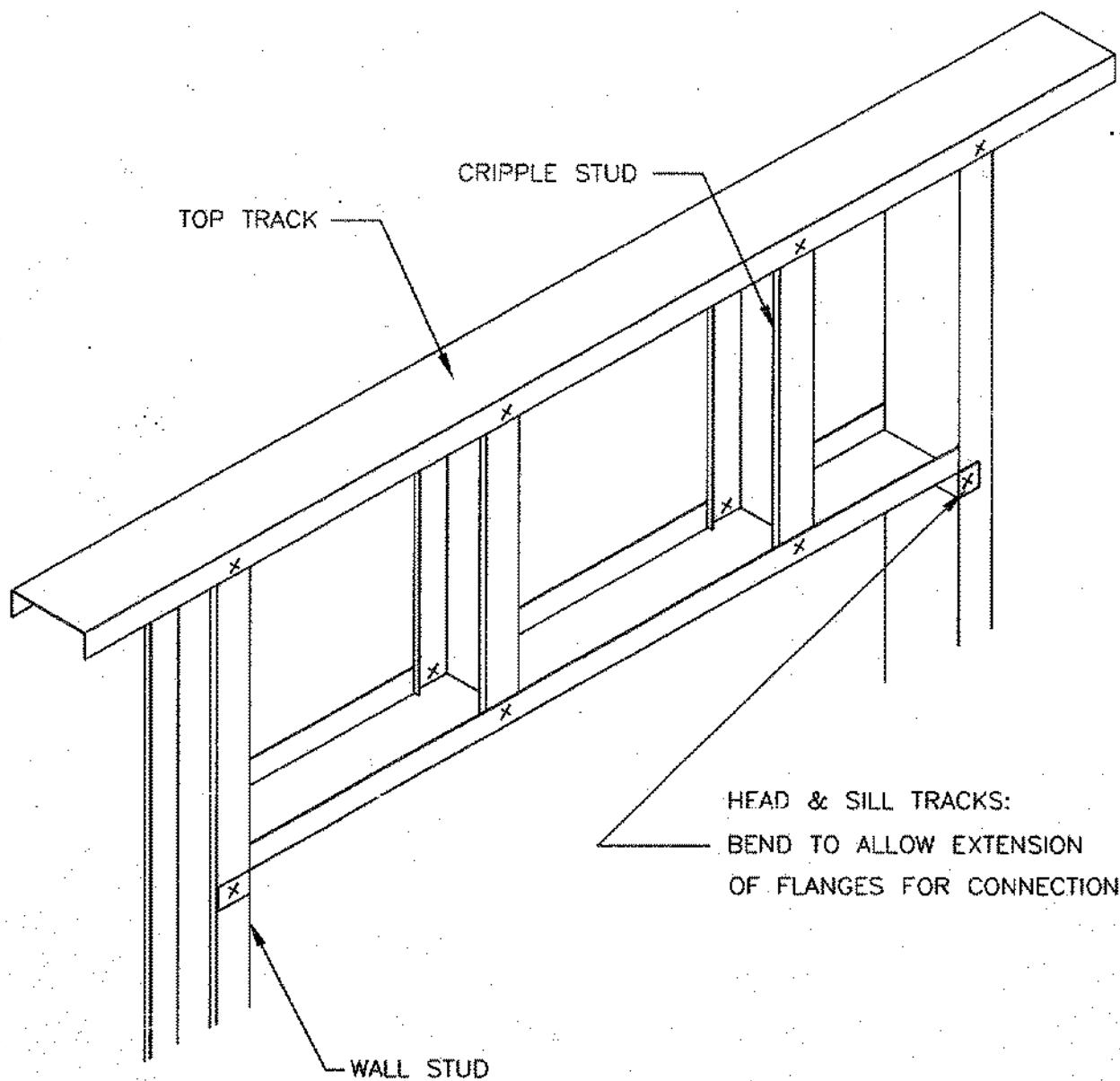
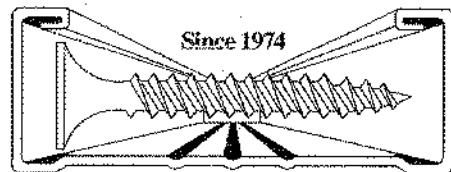


WINDOW OPENING FRAMING DETAIL NL6

PROJECT:	DATE:
ADDRESS:	SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



NON-LOAD BEARING OPENING DETAIL NL7

PROJECT:

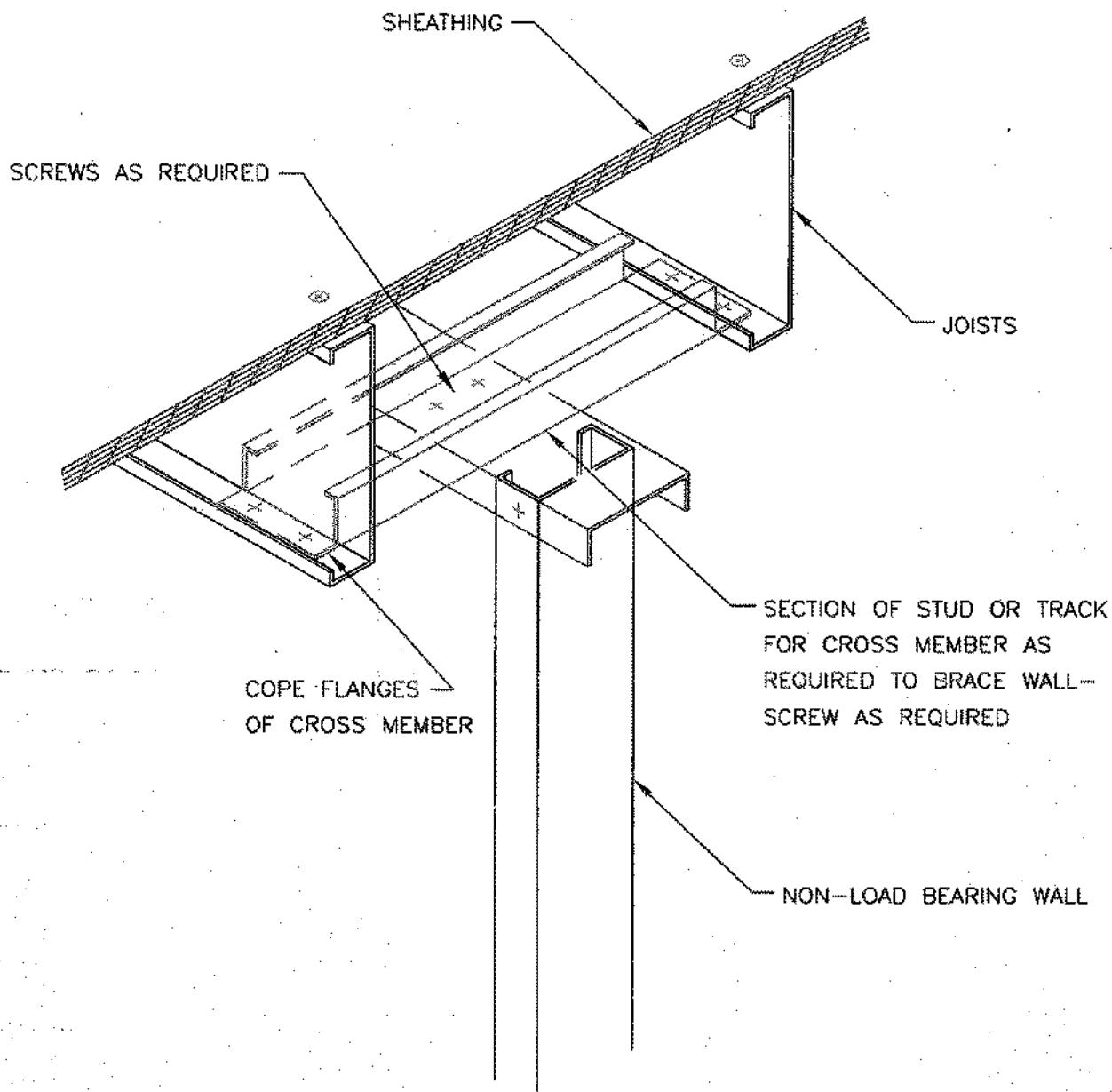
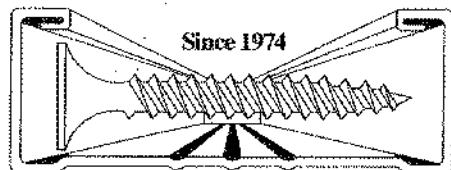
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



NON-LOAD BEARING WALL PARRALLEL TO JOIST DETAIL NL8

PROJECT:	DATE:
ADDRESS:	SHEET:
STEELER INC. • 10023 MARTIN LUTHER KING JR. WAY SOUTH • SEATTLE, WA 98178 • (206) 725-2500 • FAX (206) 725-1300 • www.steeler.com	

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY

Since 1974

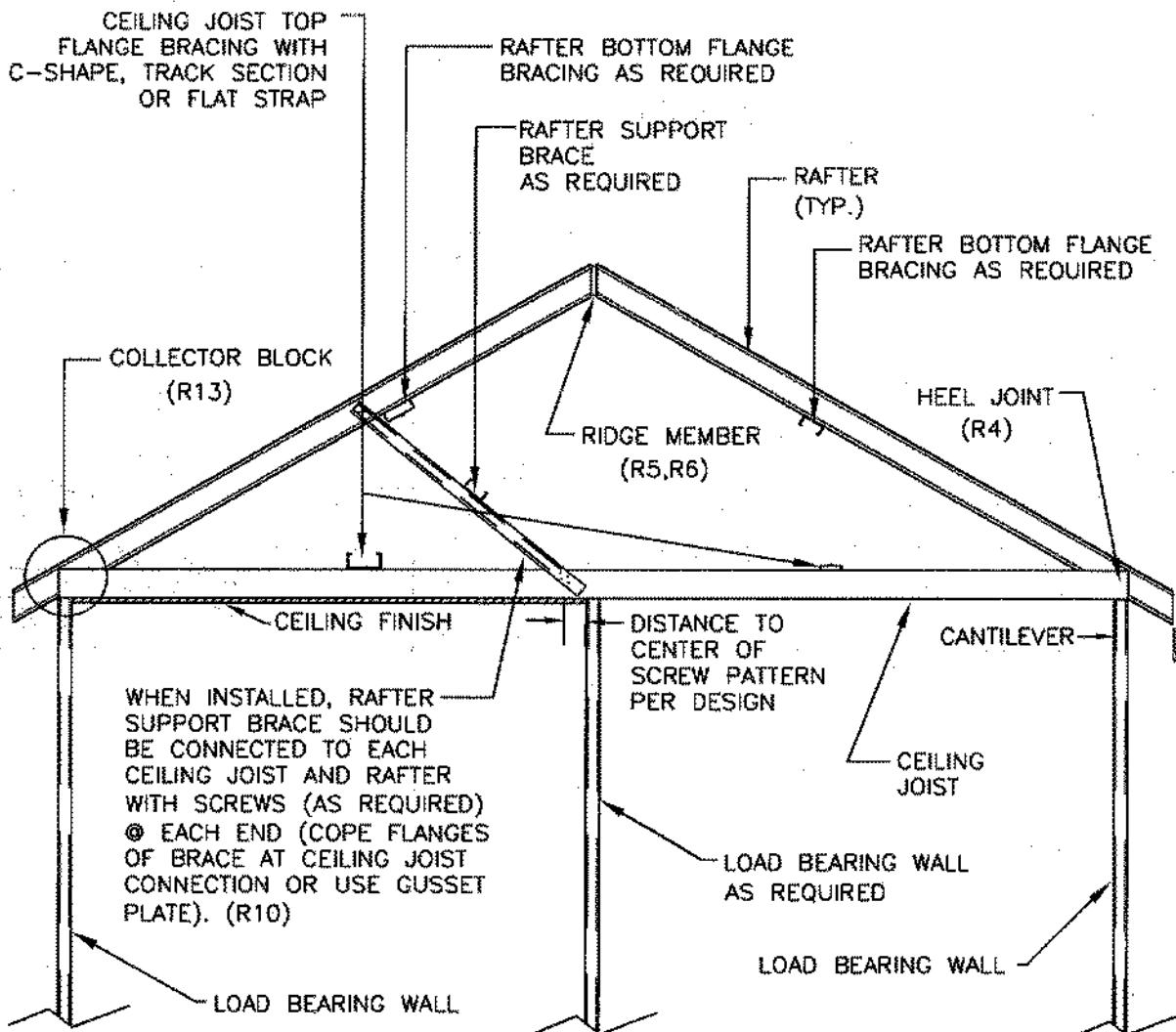
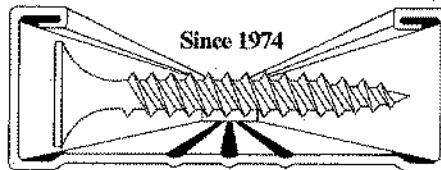
TM

ROOFS (RAFTERS/JOISTS)

- Detail R1 Roof Framing
- Detail R2 Joist and Rafter Detail
- Detail R3 Roof Framing Isometric View
- Detail R4 Heel Joint Connection Detail
- Detail R5 Ridge Member Connection Detail
- Detail R6 Ridge Member with Coped Rafters
- Detail R7 Roof Eave and Soffit Detail
- Detail R8 Rafter and Joist Bridging
- Detail R9 Collar Tie at Rafter Detail
- Detail R10 Rafter Brace Connection Detail
- Detail R11 Roof Framing with Wood Tail Extension
- Detail R12 Wood Truss Bearing on Steel Wall
- Detail R13 Collector Block Detail
- Detail R14 Non-aligned Roof-Wall framing
- Detail R15 Hip Beam

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



ROOF FRAMING DETAIL R1

PROJECT:

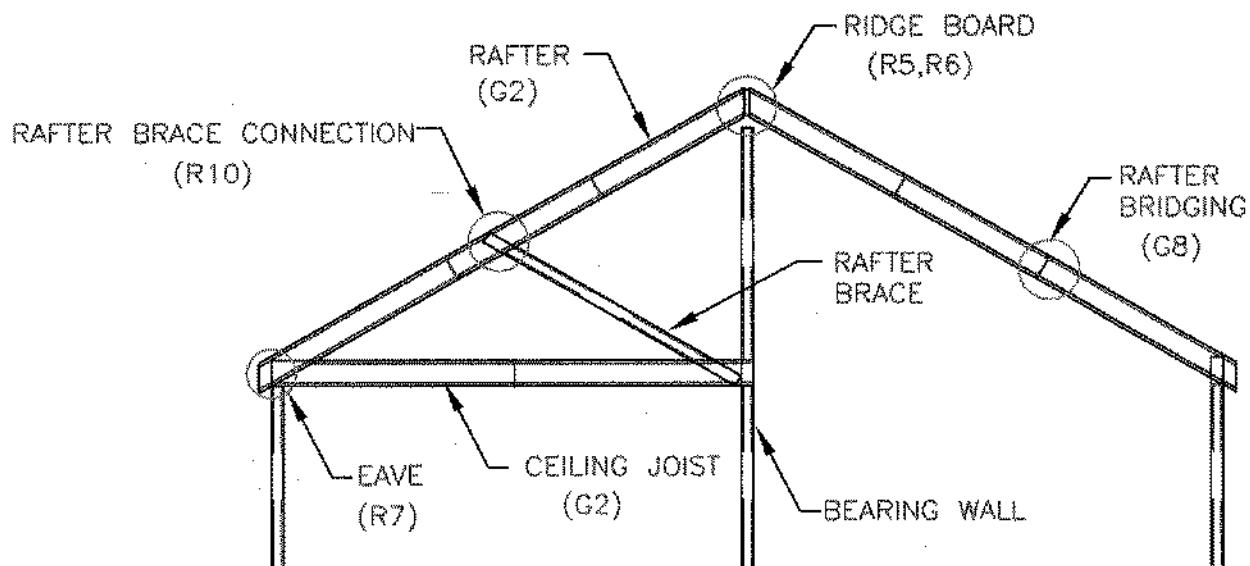
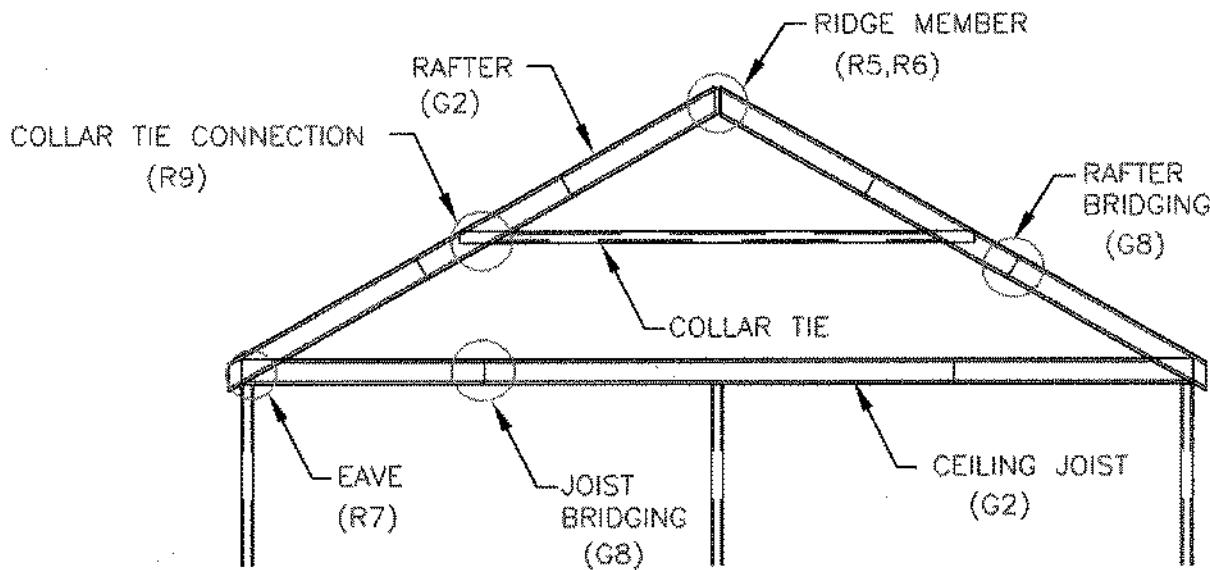
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STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



JOIST AND RAFTER DETAIL R2

PROJECT:

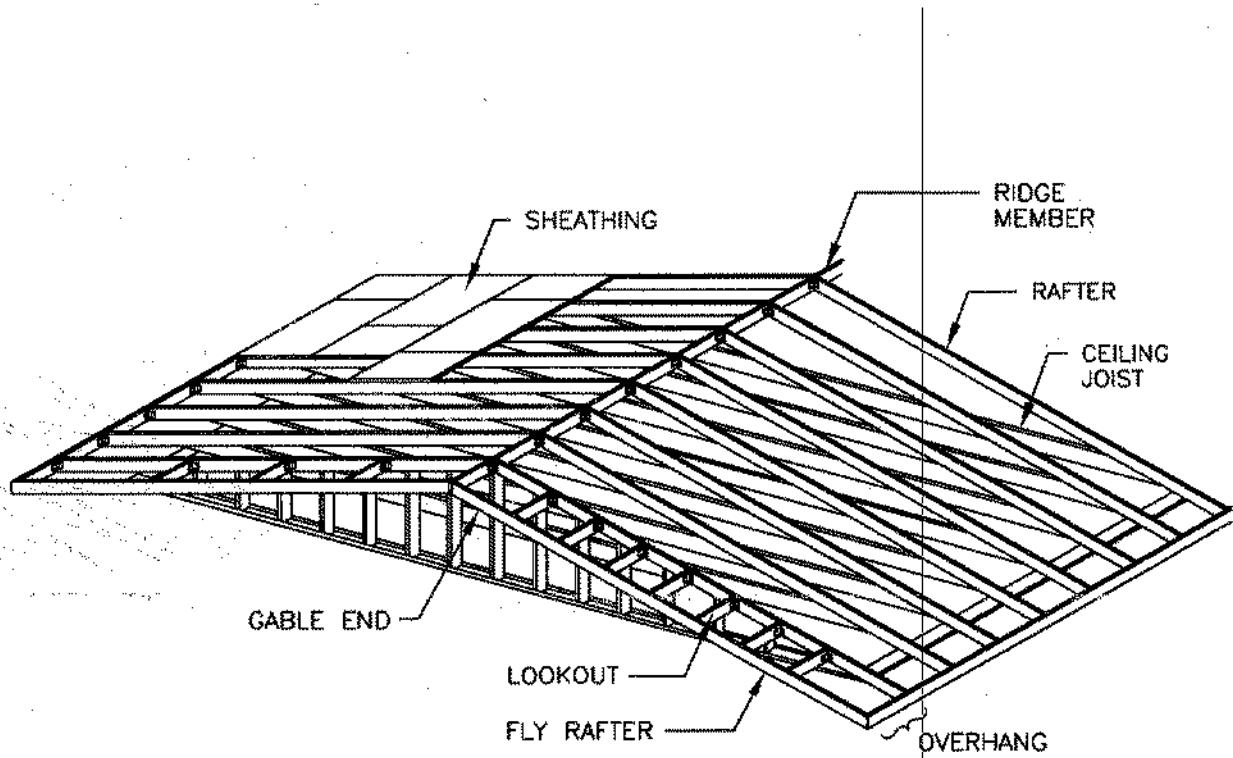
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SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



ROOF FRAMING ISOMETRIC DETAIL R3

PROJECT:

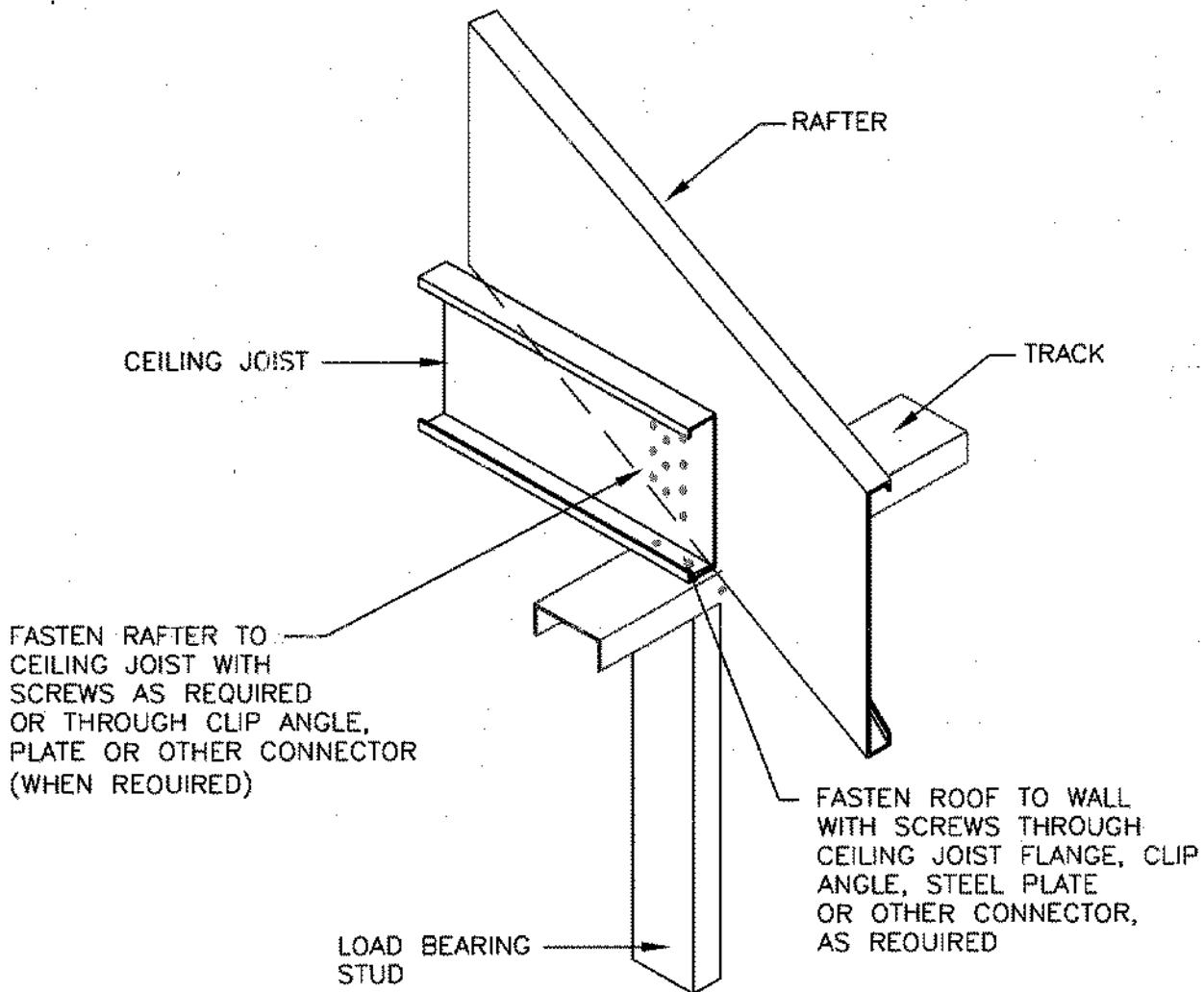
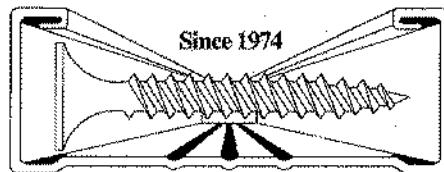
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



HEEL JOINT CONNECTION DETAIL R4

PROJECT:

DATE:

ADDRESS:

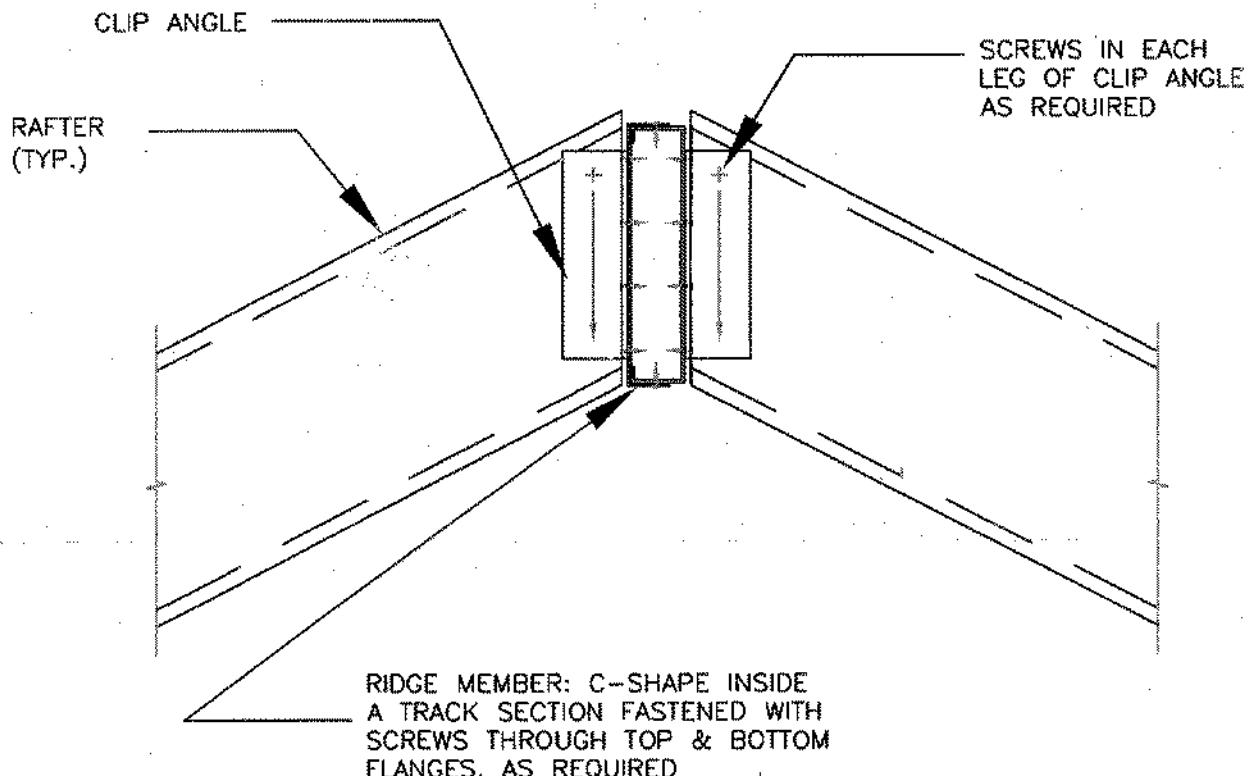
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STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



TM



RIDGE MEMBER CONNECTION DETAIL R5

PROJECT:

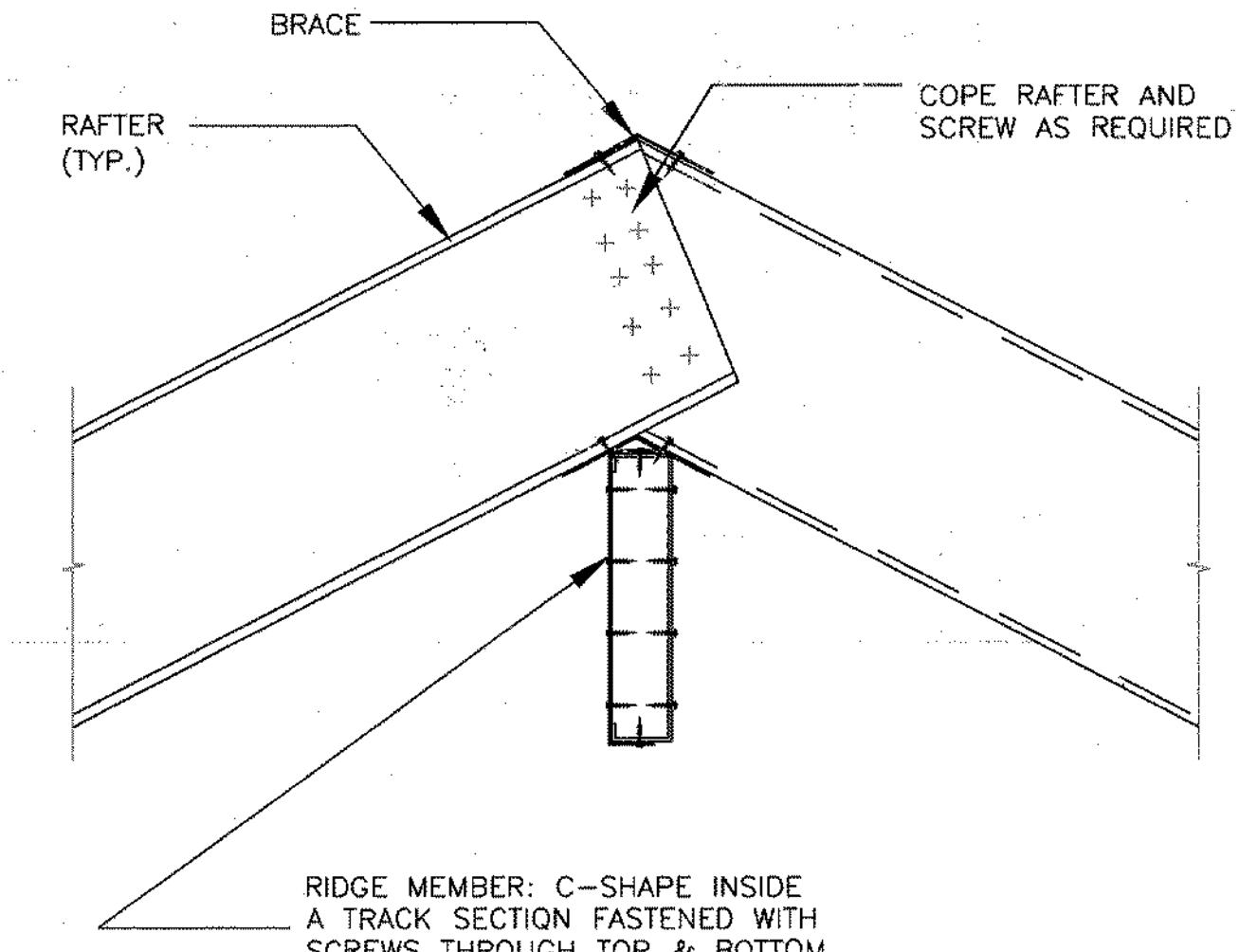
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SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



RIDGE MEMBER W/COPED RAFTER DETAIL R6

PROJECT:

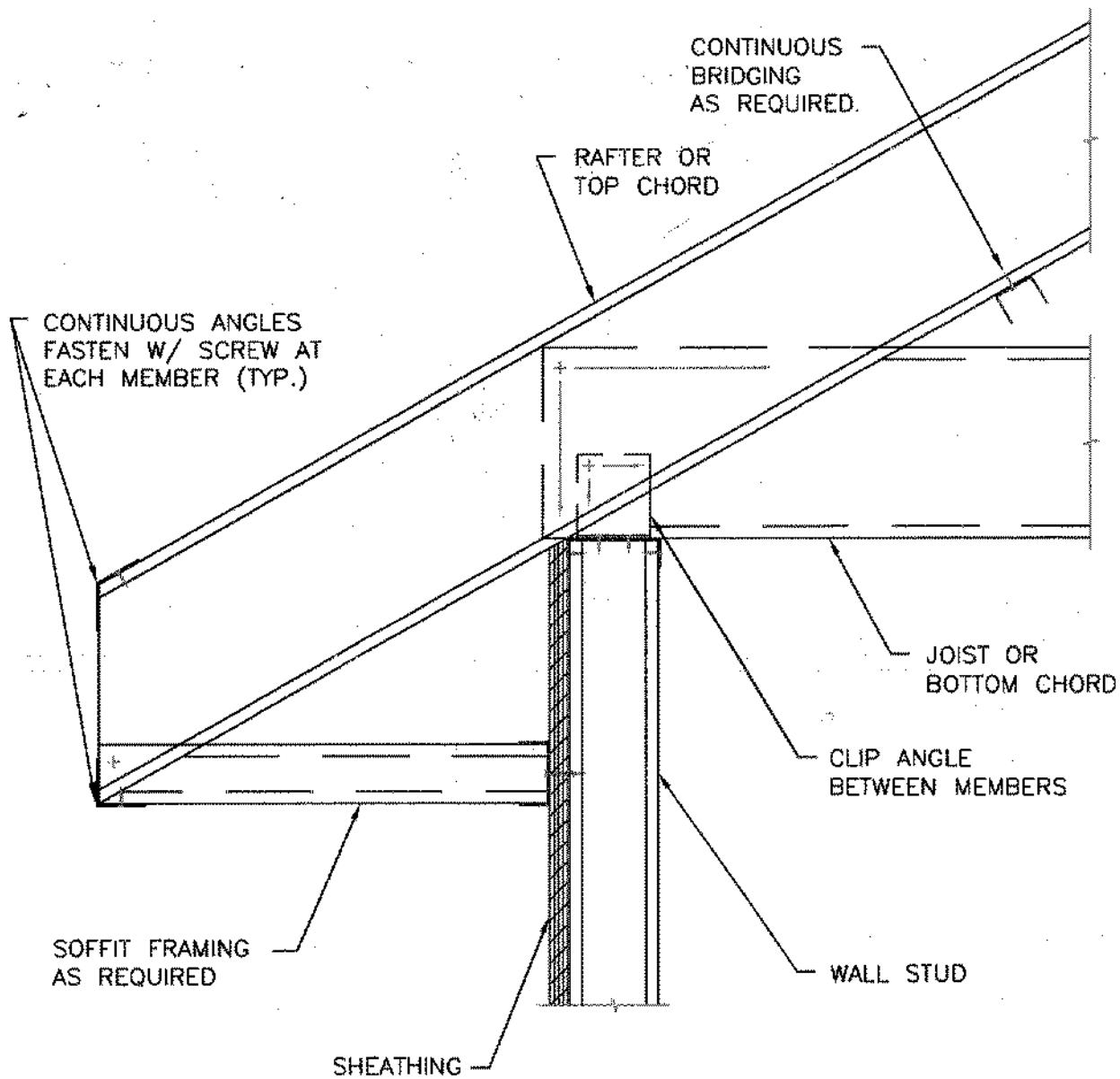
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SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



ROOF EAVE AND SOFFIT DETAIL R7

PROJECT:

DATE:

ADDRESS:

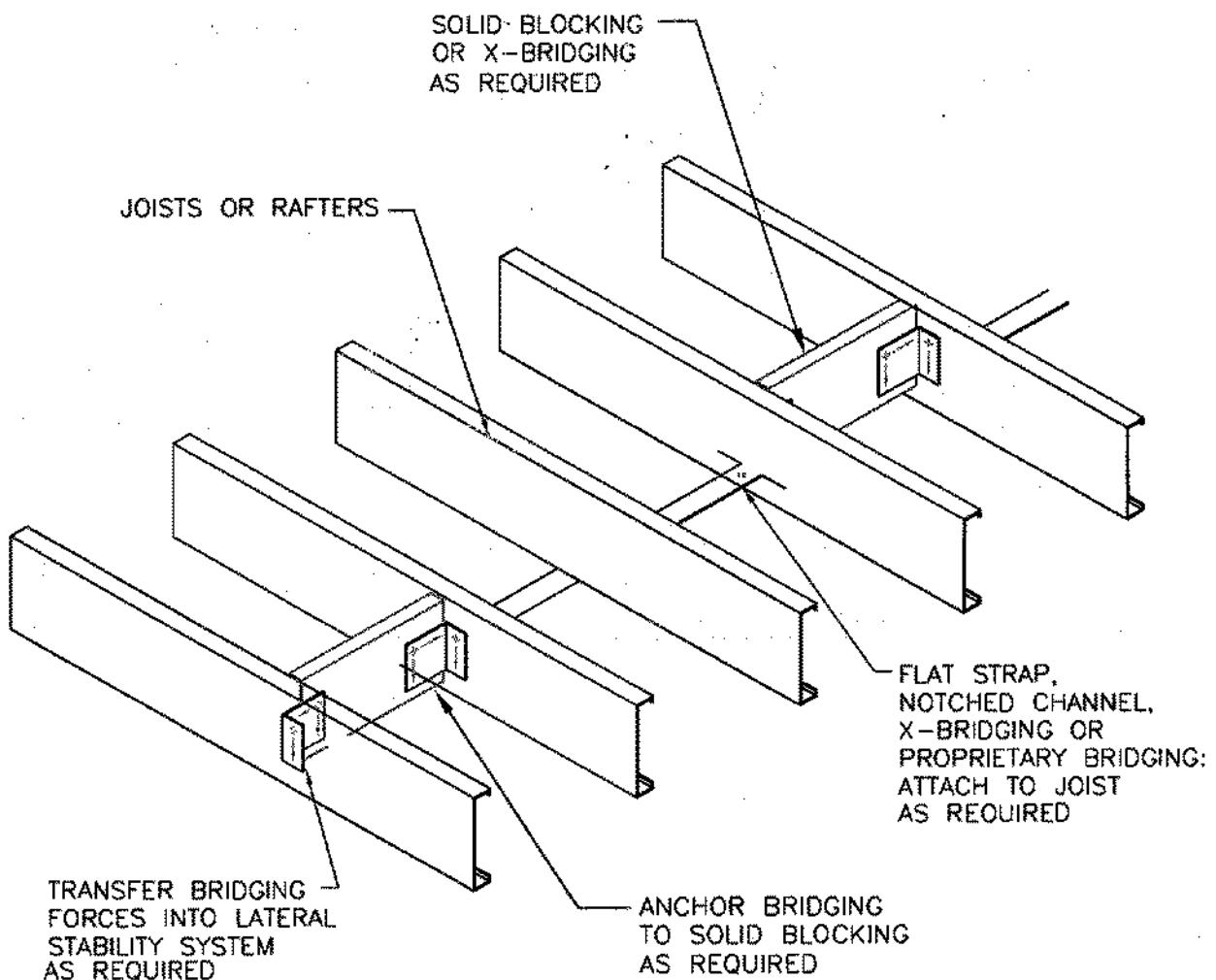
SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



TM



RFTER AND JOIST BRIDGING DETAIL R8

PROJECT:

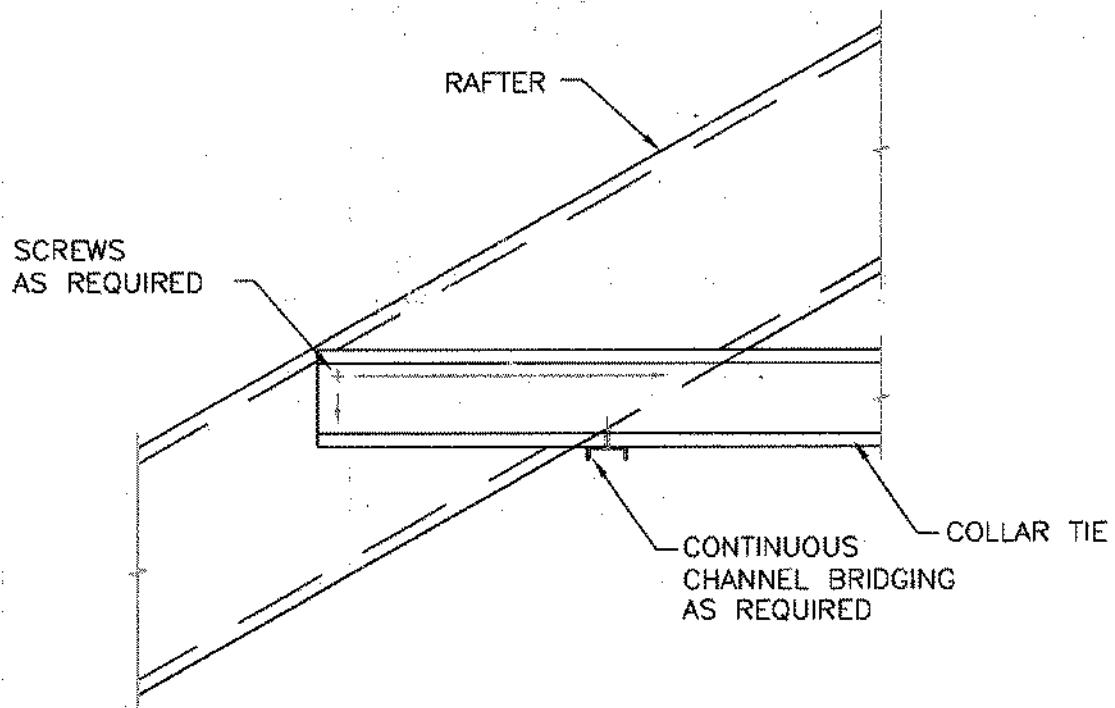
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STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



COLLAR TIE AT RAFTER DETAIL R9

PROJECT:

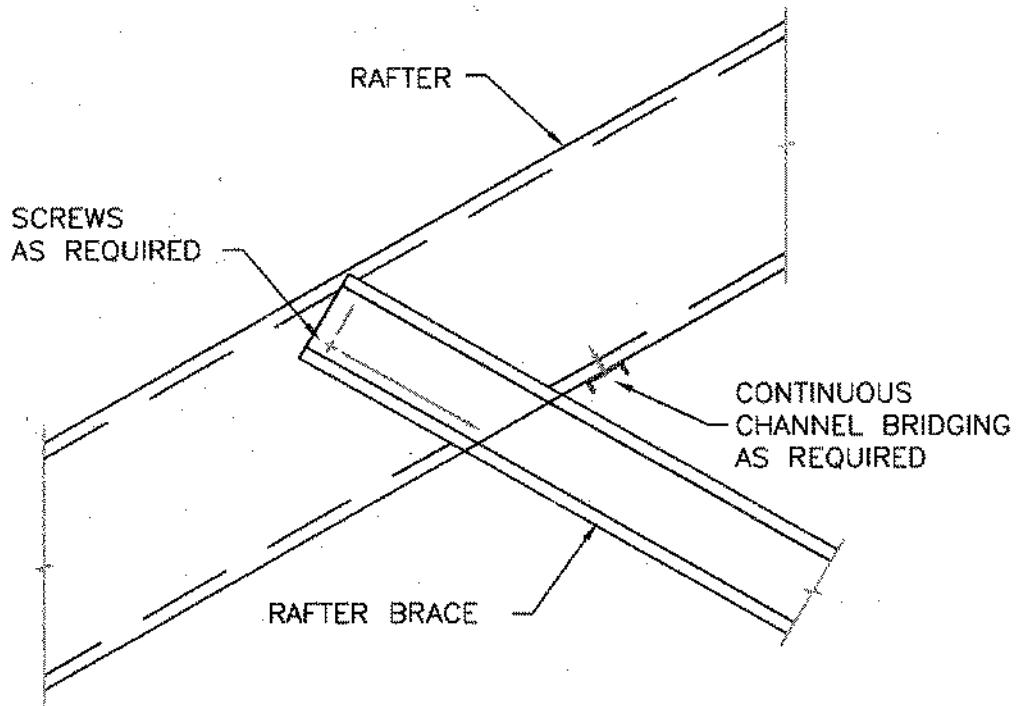
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SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



RAFTER BRACE CONNECTION DETAIL R10

PROJECT:

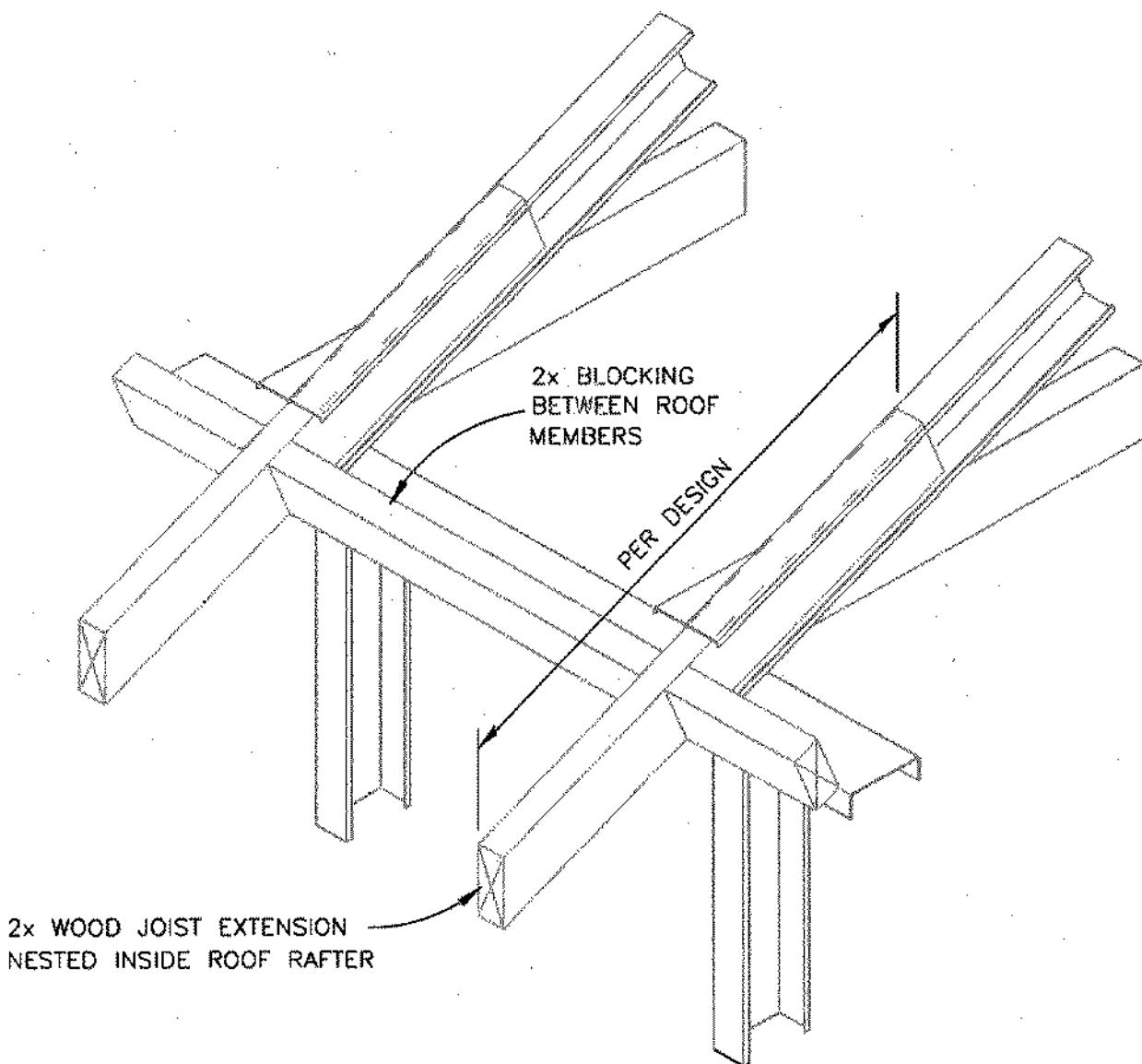
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ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



ROOF FRAMING W/WOOD TAIL EXTENSION DETAIL R11

PROJECT:

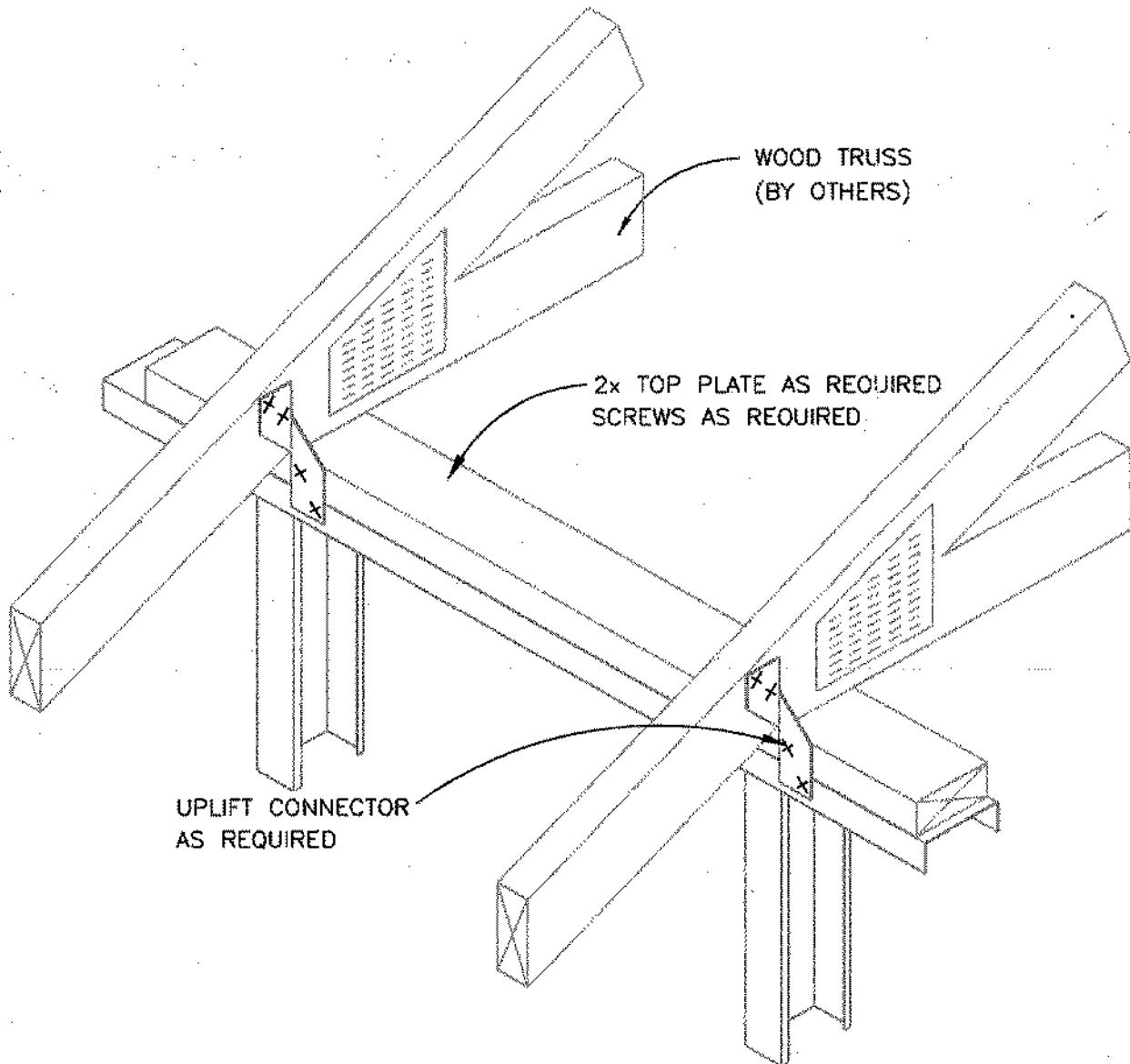
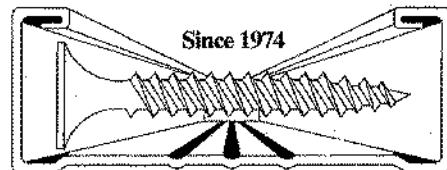
DATE:

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SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



WOOD TRUSS BEARING ON STEEL WALL DETAIL R12

PROJECT:

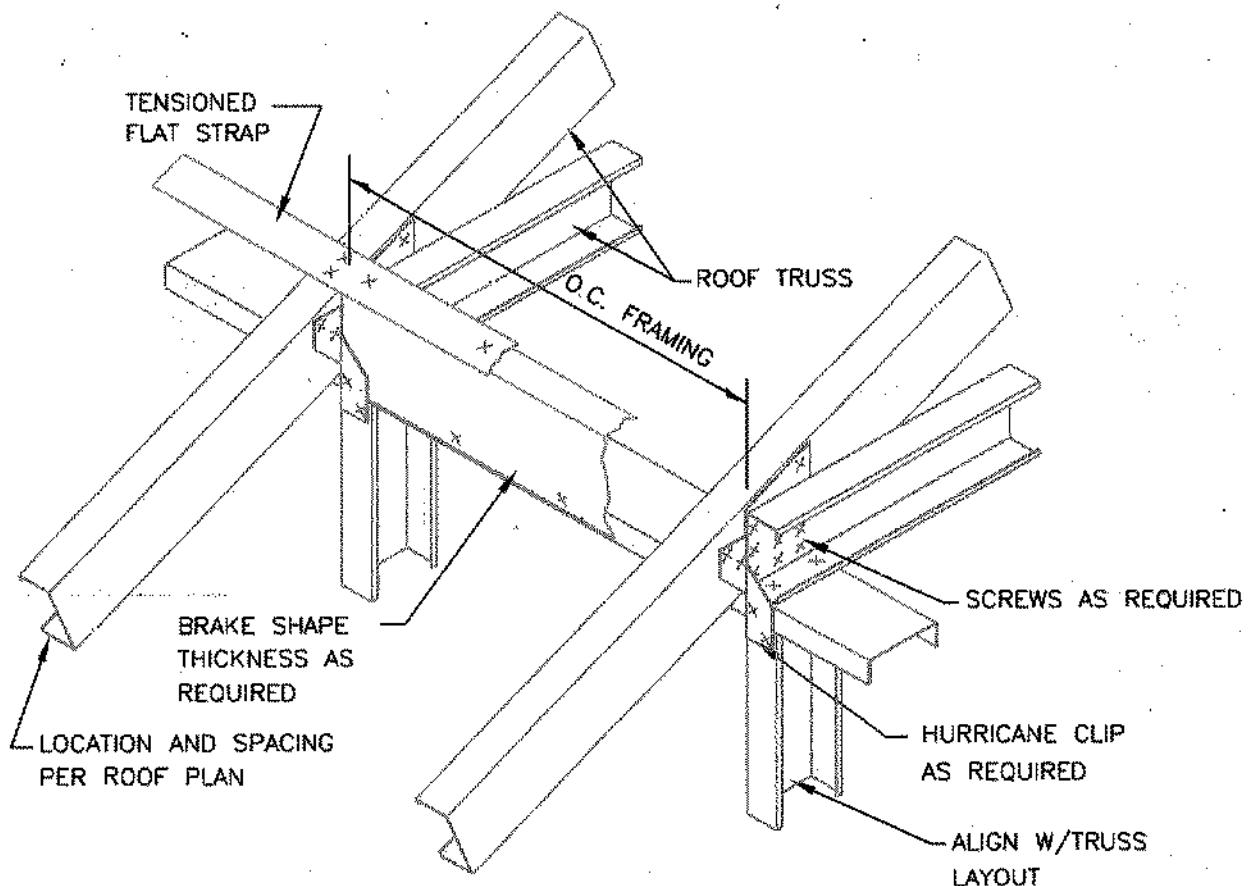
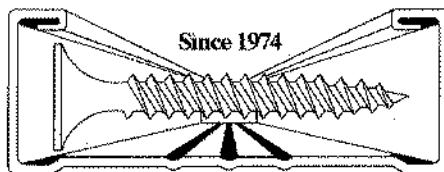
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



COLLECTOR BLOCK DETAIL R13

PROJECT:

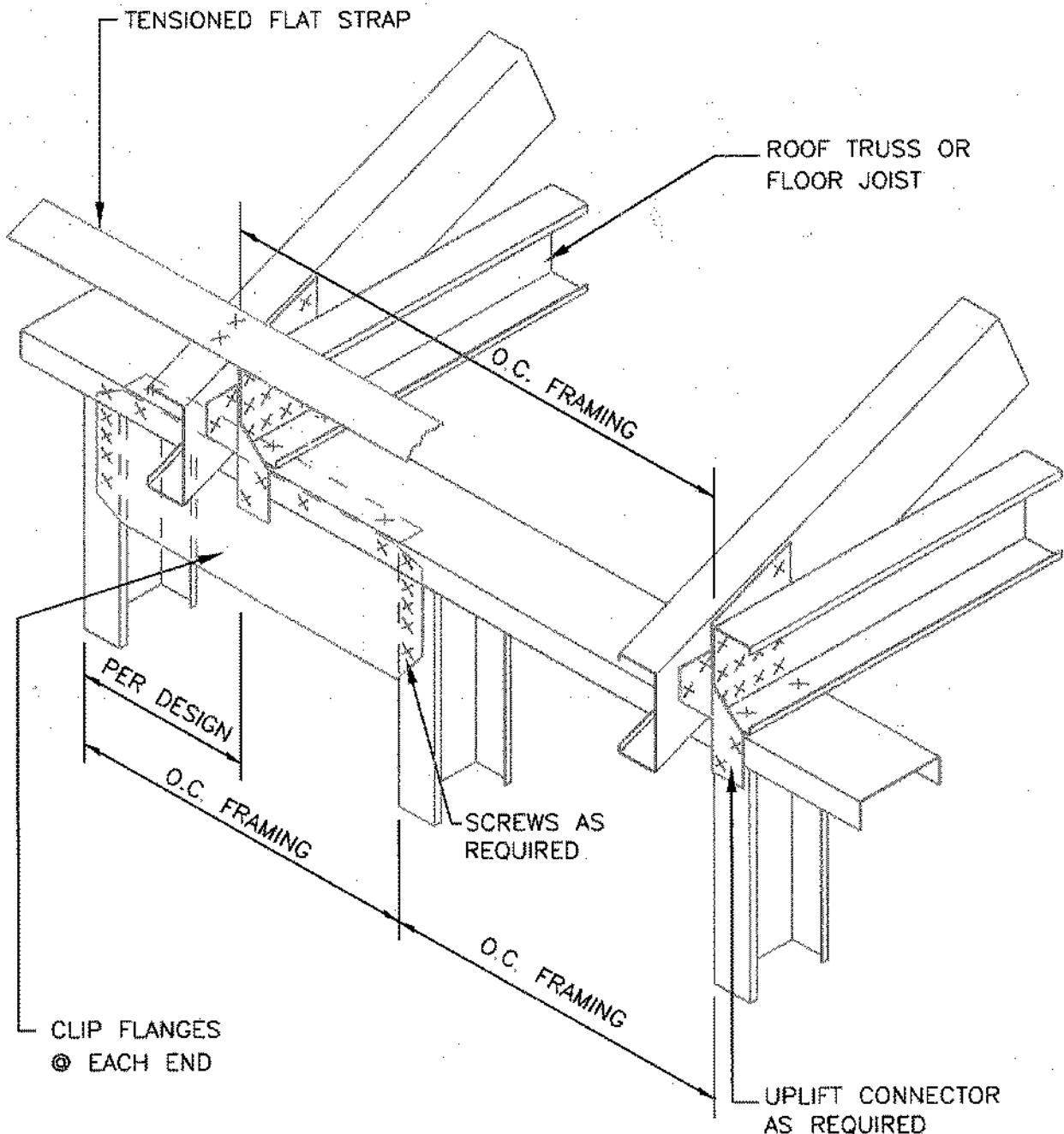
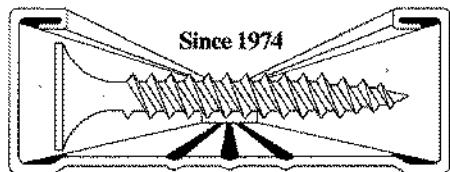
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



NON-ALIGNED ROOF-WALL FRAMING DETAIL R14

PROJECT:

DATE:

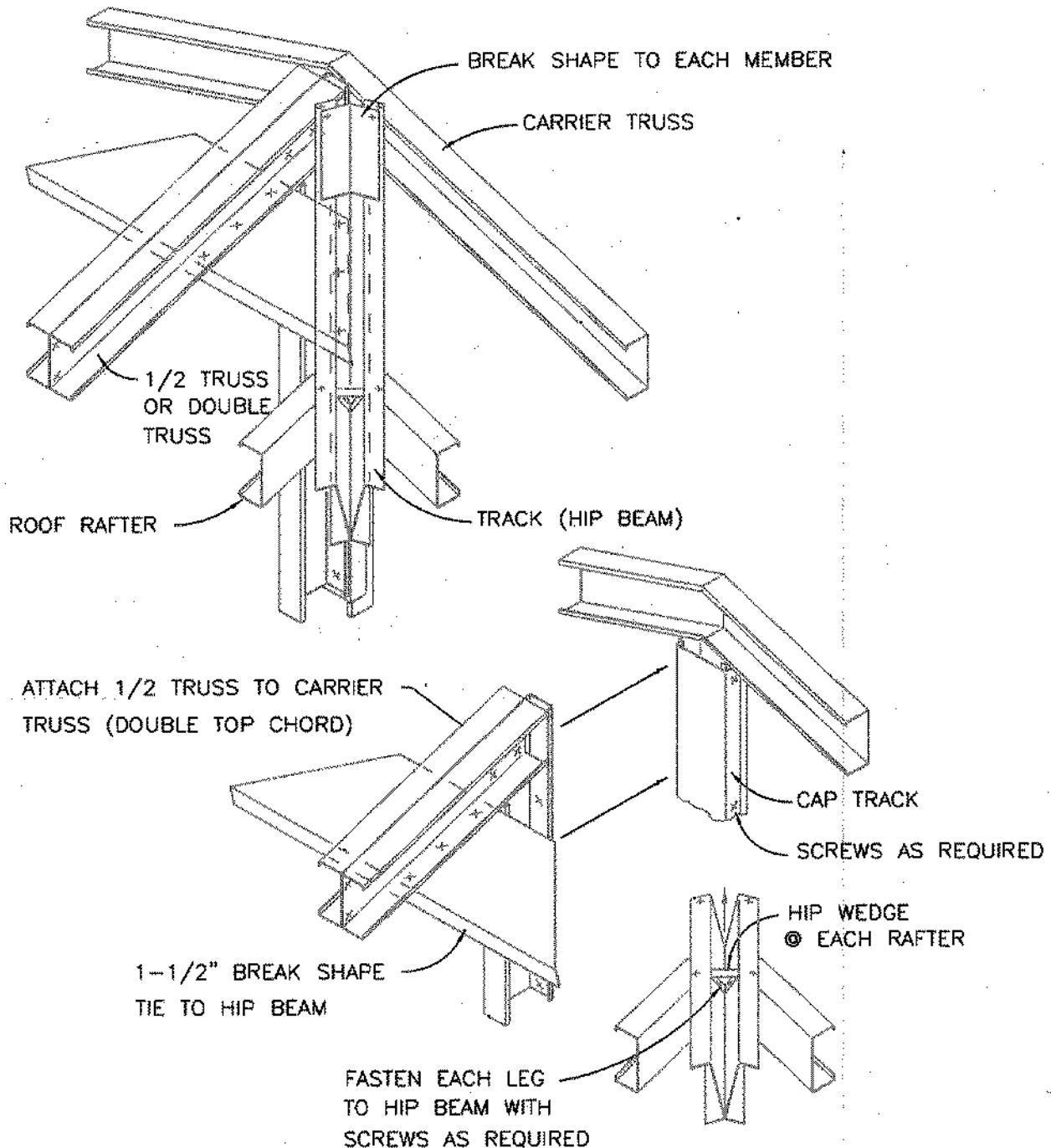
ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY

Since 1974



HIP BEAM DETAIL R15

PROJECT:	DATE:
ADDRESS:	SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY

Since 1974

TM

MISCELLANEOUS

Detail M1 Cabinet Blocking Detail

Detail M2 Wiring and Piping Installation Detail

Detail M3 Stair Framing

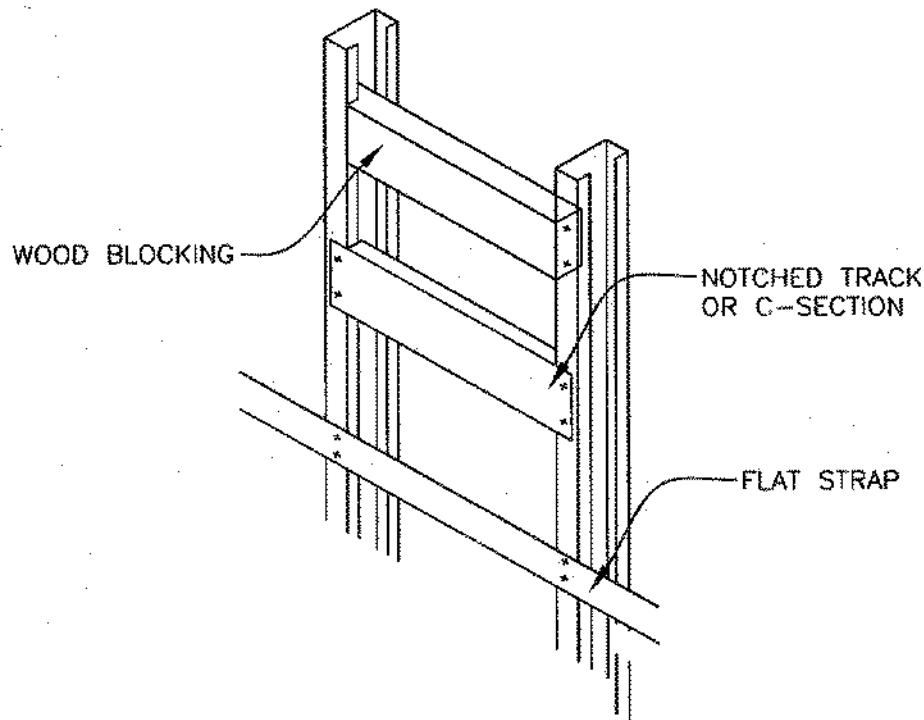
Detail M4 Stair Framing

Detail M5 Stair Landing

Detail M6 Window Sill

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



CABINET BLOCKING DETAIL M1

PROJECT:

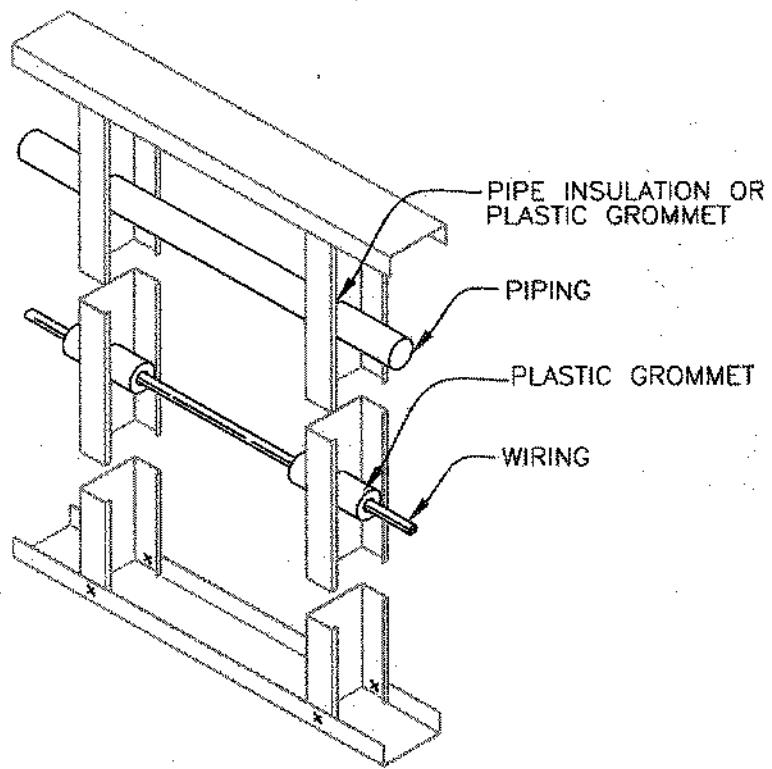
DATE:

ADDRESS:

SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



WIRING AND PIPING INSTALLATION DETAIL M2

PROJECT:

DATE:

ADDRESS:

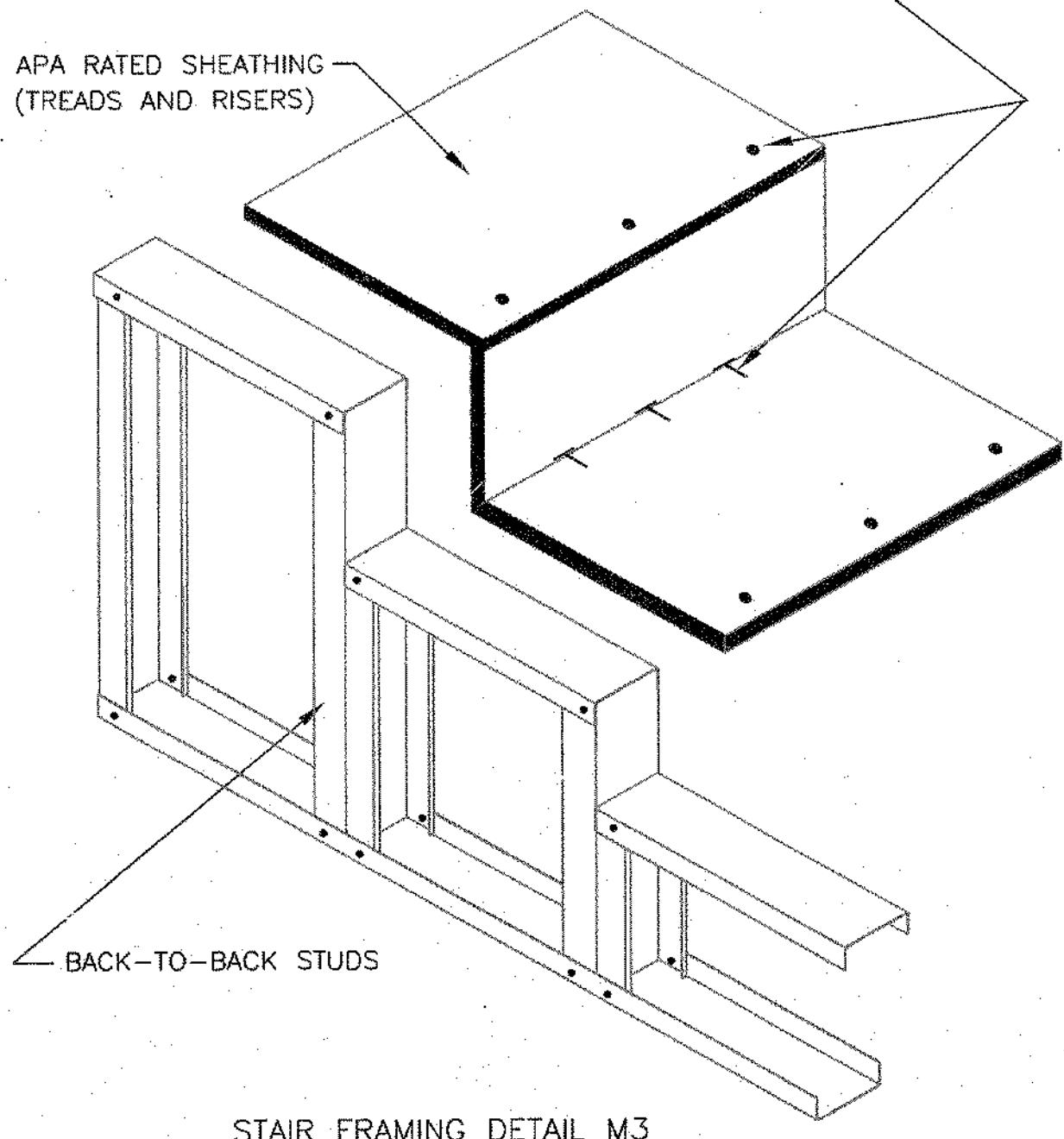
SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



GLUE & SCREW WITH BUGLE HEAD SCREWS AS REQUIRED



STAIR FRAMING DETAIL M3

PROJECT:

DATE:

ADDRESS:

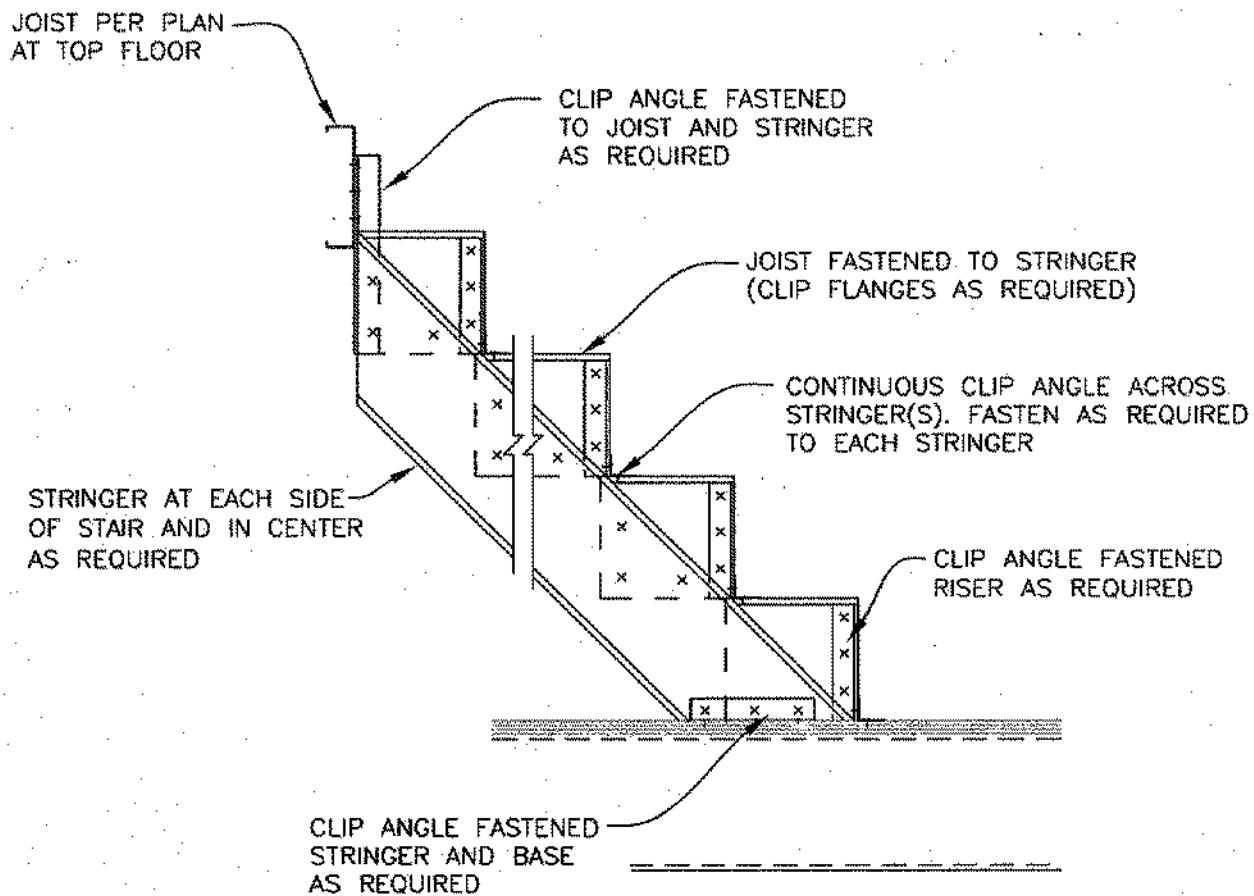
SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY

Since 1974

TM



STAIR FRAMING DETAIL M4

PROJECT:

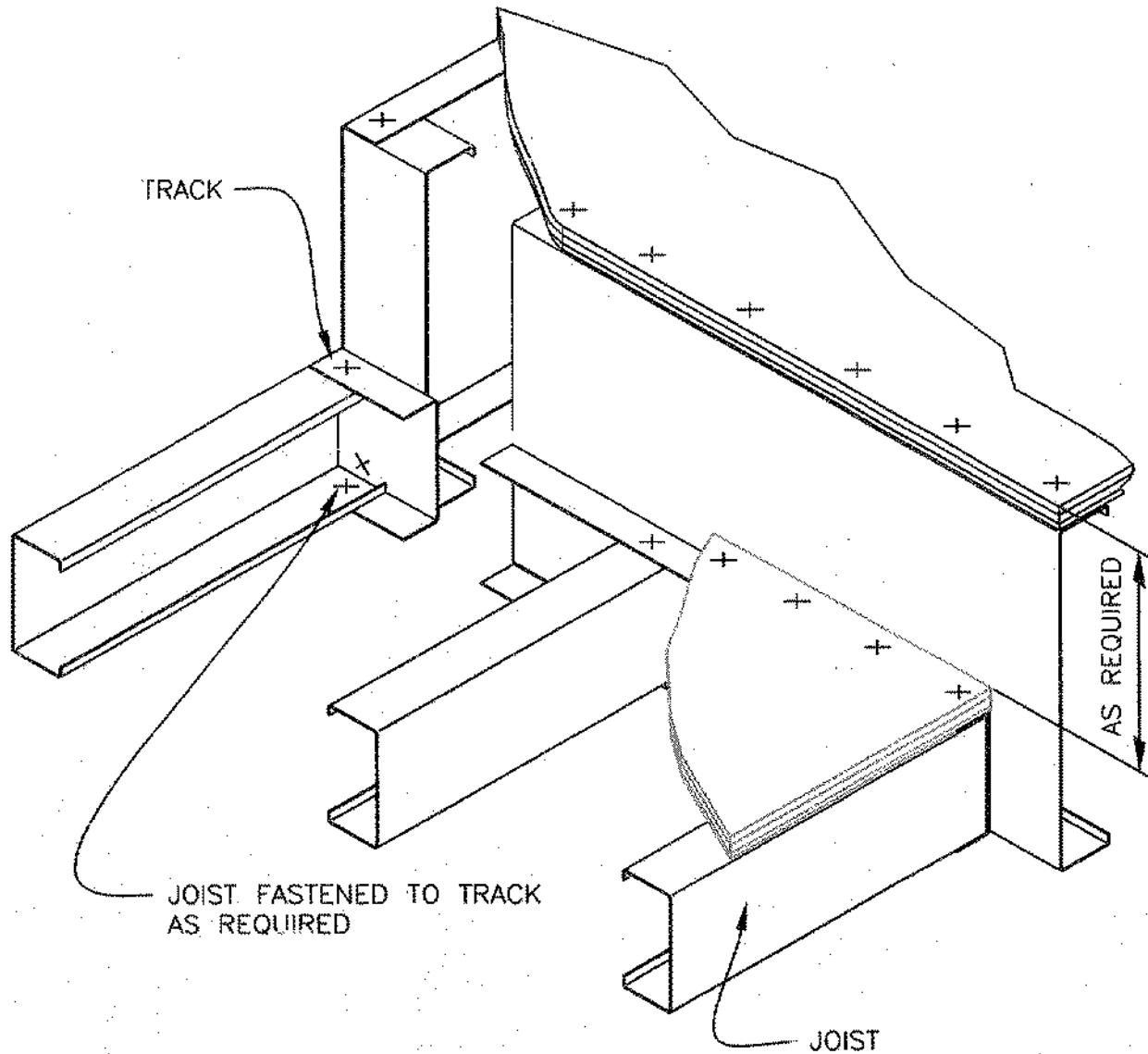
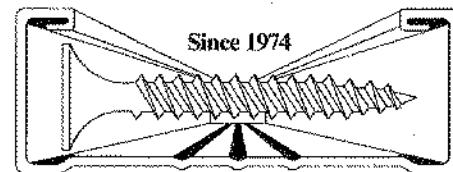
DATE:

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SHEET:

STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



STAIR LANDING DETAIL M5

PROJECT:

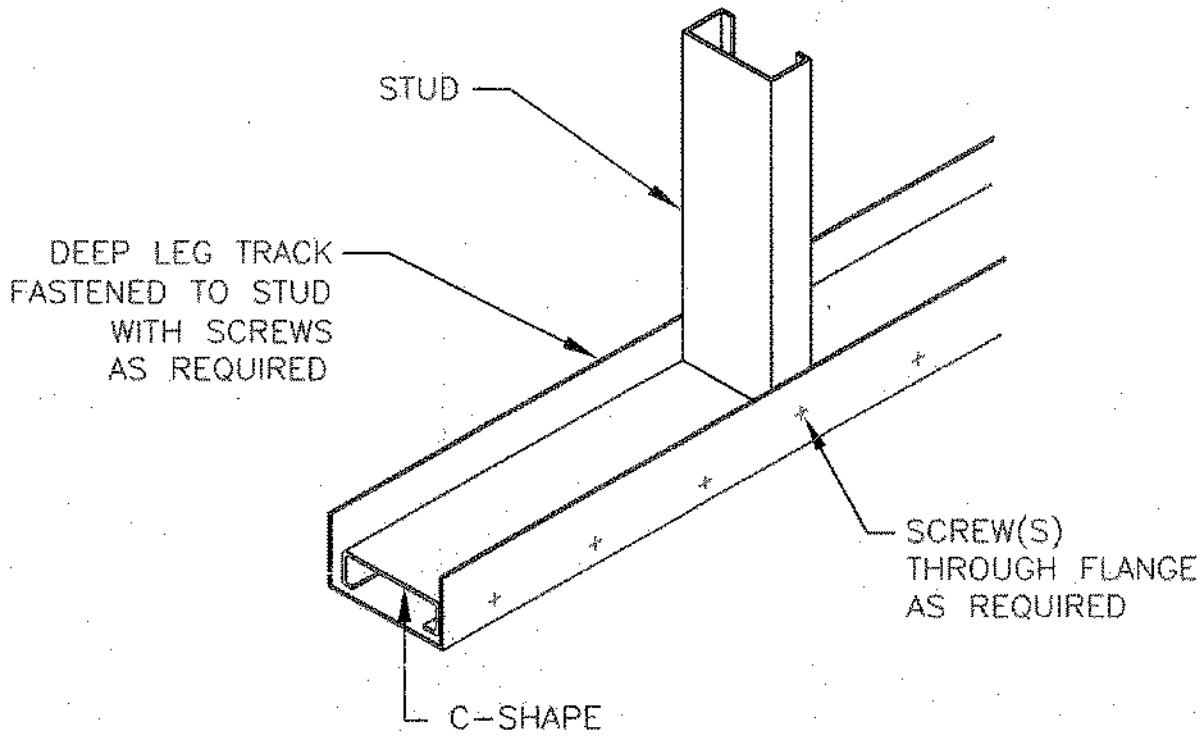
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STEELER® INC.

DRYWALL CONSTRUCTION SUPPLY



WINDOW SILL DETAIL M6

PROJECT:	DATE:
ADDRESS:	SHEET:

STEELER® Hemmed Angle

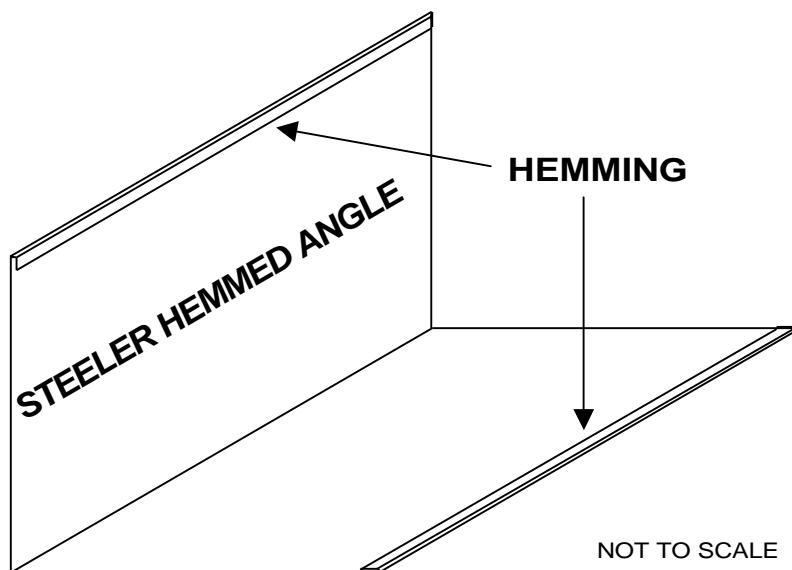


1-800-275-2279

Eliminate finger cuts, lost time due to injuries, and workman compensation claims with

STEELER® Hemmed Angle. Non-hemmed 25 gauge steel has extremely sharp edges that can cut your hands and fingers very easily. Hemmed angle has edges that are bent over the flanges to make a smooth edge that is less sharp and easier to handle. The hemming also stiffens the angle significantly.

Hemmed angle is easier and safer to work with, thus increasing productivity.



Hemmed angle is available in 25 gauge and lengths from 3" to 20' lengths. Hemmed angle is available with flanges of 1", 1 1/4", 1 1/2", 2", and 2 1/2". Both flanges must be the same size. Hemmed angle is manufactured from light gauge steel meeting the requirements of ASTM A653-02a or equal.

Typical uses for hemmed angle include bridging, bracing, blocking, and other situations that would require light gauge angles.

In addition to angles, **STEELER®** offers hemming on most 25 gauge products such as Sound Resilient Channel, Drywall Channel (DWC / Furring Channel), Studs, Tracks, and C-H Shaftwall Studs.

<u>Steeler Part #:</u>	<u>Description:</u>
0100A100-018H	1" x 1" Hemmed Angle, 25 Gauge
0125A125-018H	1 1/4" x 1 1/4" Hemmed Angle, 25 Gauge
0150A150-018H	1 1/2" x 1 1/2" Hemmed Angle, 25 Gauge
0200A200-018H	2" x 2" Hemmed Angle, 25 Gauge
0250A250-018H	2 1/2" x 2 1/2" Hemmed Angle, 25 Gauge

10023 Martin Luther King Jr. Way South, Seattle, WA 98178 - 1-800-275-2279 - 206-725-1700 FAX

Document: ST-HA

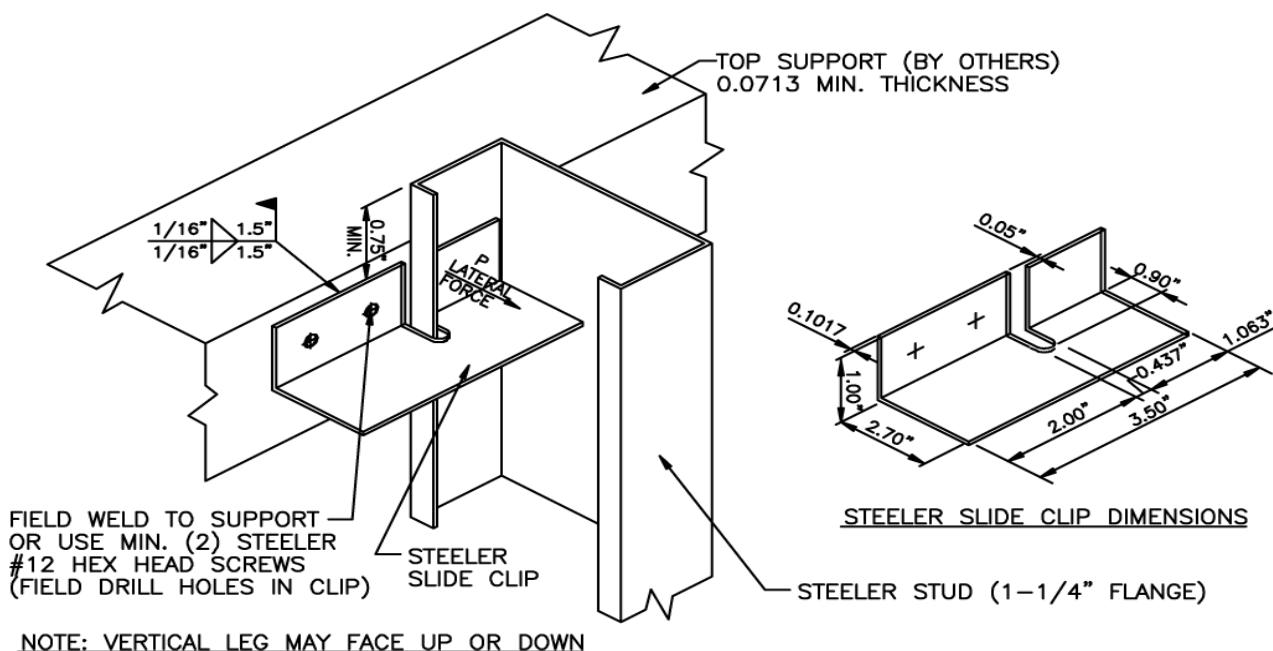
April 28, 2003

STEELER® Engineered Slide Clip



1-800-275-2279

Building structures move with dead, live and snow loads, wind and seismic forces, and temperature changes. **STEELER** has designed and engineered a slide clip that isolates the non-load wall system from the structure. The **STEELER** slide clip allows the structure to deflect vertically for any designed vertical deflection and its simple design saves time and money compared to other products and installation methods.



STEELER SLIDE CLIP DETAIL

Part Number 350BS112VSC (12 Ga) 0.1017"

SLIDE CLIP ALLOWABLE LATERAL FORCE, POUNDS					
Stud Properties					
Flange Width, in.	Thick. in.	Yield Fy, ksi	P(33ksi) lbs	Yield Fy, ksi	P(50ksi) lbs
1.25	0.0188	33	50	50	80
1.25	0.0283	33	125	50	190
1.25	0.0346	33	190	50	290
1.25	0.0451	33	340	50	420*
1.25	0.0566	33	420*	50	420*
1.25	0.0713	33	420*	50	420*
1.25	0.1017	33	420*	50	420*

Notes

1. Allowable Lateral Forces include 1.33 stress increase for wind and seismic loading.
2. * Indicates load is controlled by clip bending.
3. Special clips can be designed for other conditions.



EXPIRES 07/27/03

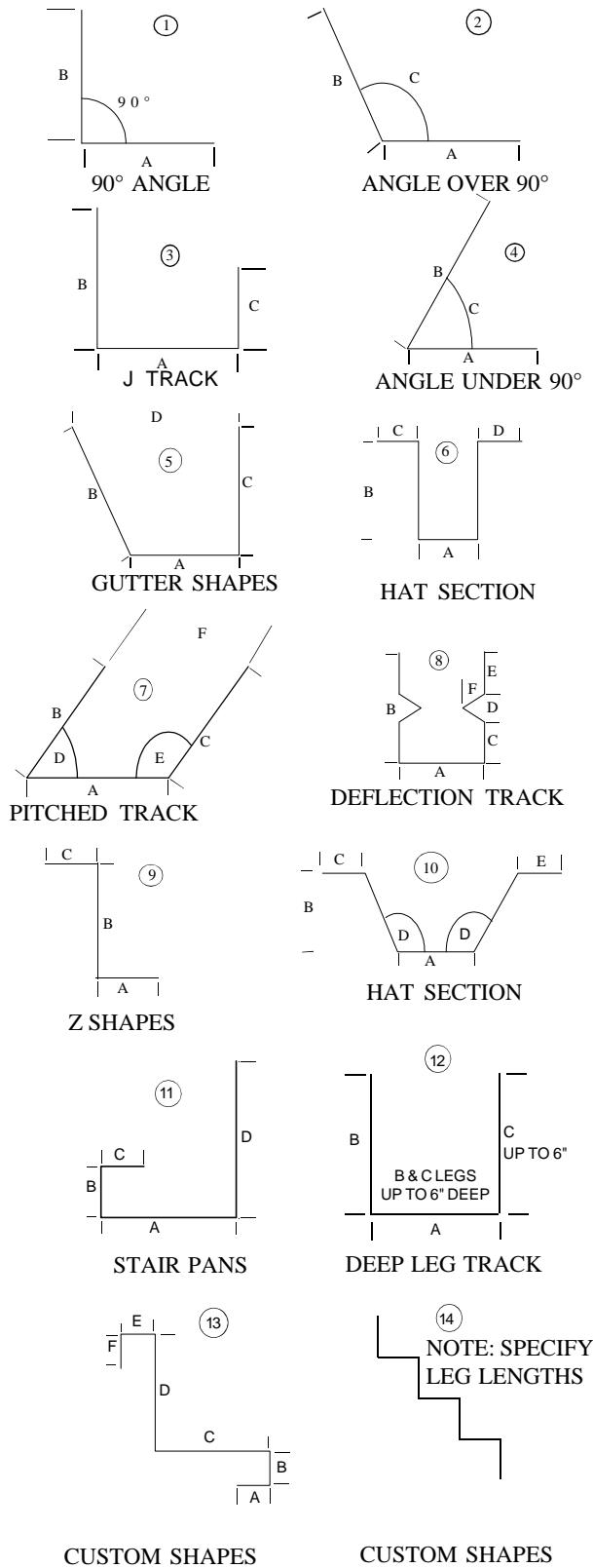
SIGNED: 1-17-2002
BY: HD JETER

Consult with your Engineering firm before using this product.

10023 Martin Luther King Jr Way South, Seattle, WA 98178 - 1-800-275-2279 - 206-725-1700 FAX

Custom Brake Shapes

1-800-275-2279



STEELER INC. will provide brake shapes to you on an as needed basis. We are able to provide custom shapes for your special job requirements within reasonable lead times. At left are some shapes which are common in industry and dimensioning variables to help you with your ordering. Our shop is not limited to these shapes and it is just a matter of a request to receive information on shapes not shown.

Materials

- Light gauge steel meeting the physical and galvanization requirements of A.S.T.M. A-653 or equal.
- Shape and Dimensions as requested
- Maximum Length = 32' - 0"
- Gauges available: 25, 20, 18, 16, 14, 12, 10 and up to 1/4 of an inch thick.
- Packaging = Varies on Order
- Up to 6 brakes/bends available (BS1 = 1 bend; BS6 = 6 bends)

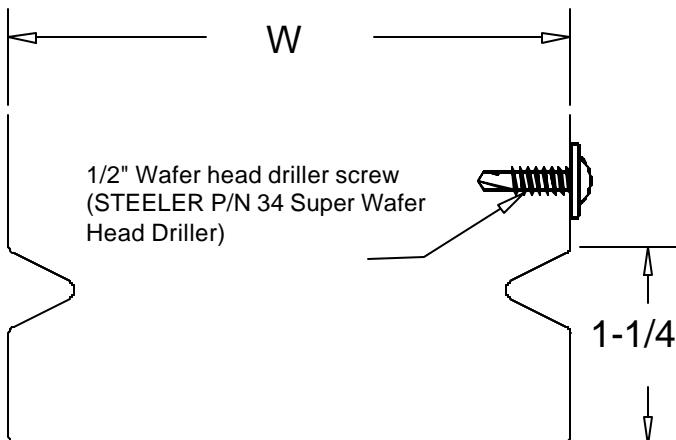
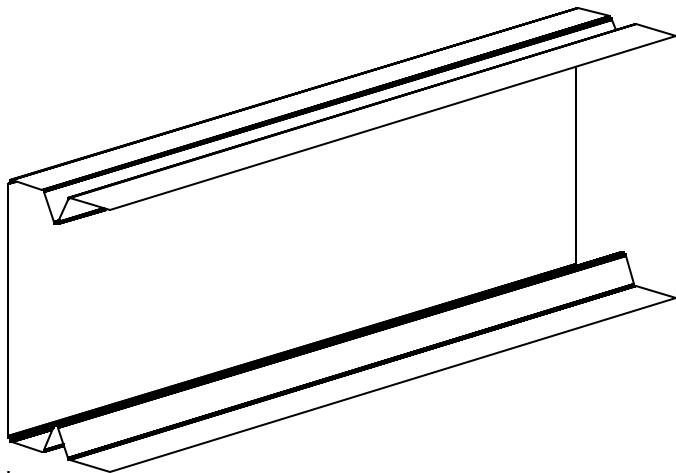
Ordering information

Please be sure to provide quantity, length, thickness (gauge) and appropriate dimensional information. A drawing of the brake shape is required for all orders. Be sure to identify inside or outside measurements and to let us know of acceptable variances on angles or dimensions.

Consult with your engineering firm before using this product.

DFT (Deflection Track)

1-800-275-2279



STEELER INC. is introducing an economical alternative for ceiling connections of non-load bearing walls. Our new deflection track may allow ceilings to deflect under loading without affecting the wall beneath. Performance is based upon gauge and must be determined by the Job Engineer. In many cases a slip track application may be changed to deflection track saving both material and labor at installation.

Materials

- a) Light gauge steel meeting the physical and galvanization requirements of A.S.T.M. A-653 or equal.
- b) Shape and Dimensions as shown at left.
- c) Length = 10' - 0"
- d) Widths available:
3-1/2", 3-5/8", 4", 6", 8"
- e) Gauges available:
25, 20, 18, & 16.
- d) Packaging = Varies on Order

Installation

- 1) Walls assembled with deflection track are assembled similar to standard load bearing walls except that stud lengths are 1-3/8 inch shorter to allow for the deflection track's equivalent height.

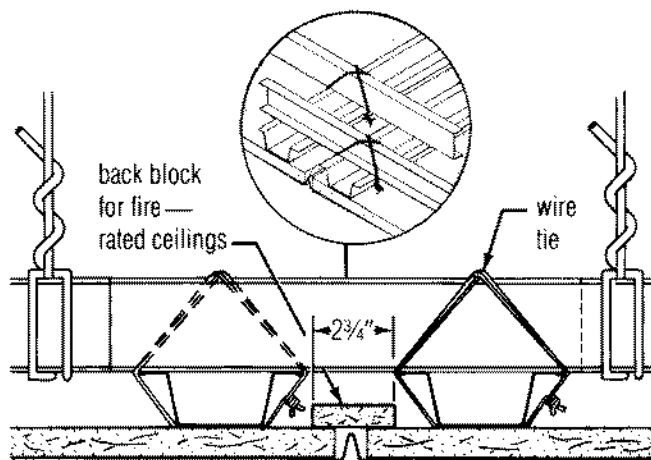
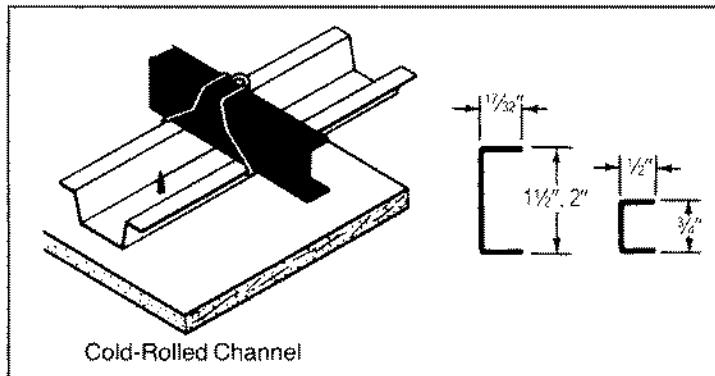
This 1-1/4 inch track height is able to expand and contract to allow for the ceiling deflection.

Standard lower track is used in these walls. Sheathing is done as normal except that it must be held back from the top of the track.

- 2) Walls should be framed with a 1/2" Wafer head driller screw (STEELER P/N 34Super).
- 3) Sheathing - Use a 1-1/8" Super Steeler drywall screw (STEELER P/N 268) to secure 1/2" drywall and a 1-1/4" Super Steeler drywall screw (STEELER P/N 368) to secure 5/8" drywall to either 25 or 20 gauge studs. Use a 1 1/4" drywall driller screw to attach to the 18 gauge studs (STEELER P/N 14). Consult with your engineering firm before using this product.

CRC (Cold-Rolled Channel)

1-800-275-2279



STEELER, INC. provides "CRC" cold-rolled channel made from 16 gauge. CRC is used for furring walls and ceilings and suspended ceilings. Also used for laterally bracing in steel stud wall systems and ornamental lathing. Available in galvanized per ASTM A-653 or equal.

Materials

- Light gauge steel meeting the physical and galvanization requirements of ASTM A-653 or equal.
- Shape and Dimensions shown at left.
- Length - 10'-0" and 20"-0". Special lengths are available.
- Sizes - $\frac{3}{4}$ ", $1\frac{1}{2}$ ", and 2".

Installation

- Suspended Drywall Ceiling erection- install "CRC" 48" on center as the main carriers and within 6" of walls. Secure with 8 ga. or 9 ga. STEELER hanger wire (saddle tie).
- Splices- interlock flanges and overlap ends 12" and secure with 1 strand of 16 ga. or 2 strands of 18 ga. tie wire.
- Suspended Plaster Ceiling- apply $\frac{3}{4}$ " CRC across at right angles to $1\frac{1}{2}$ " CRC. Space 12" to 24" depending on type of lath. Saddle tie to $1\frac{1}{2}$ " carriers with tie wire.
- Walls- Refer to page 51 of our ICBO Report for bridging applications.

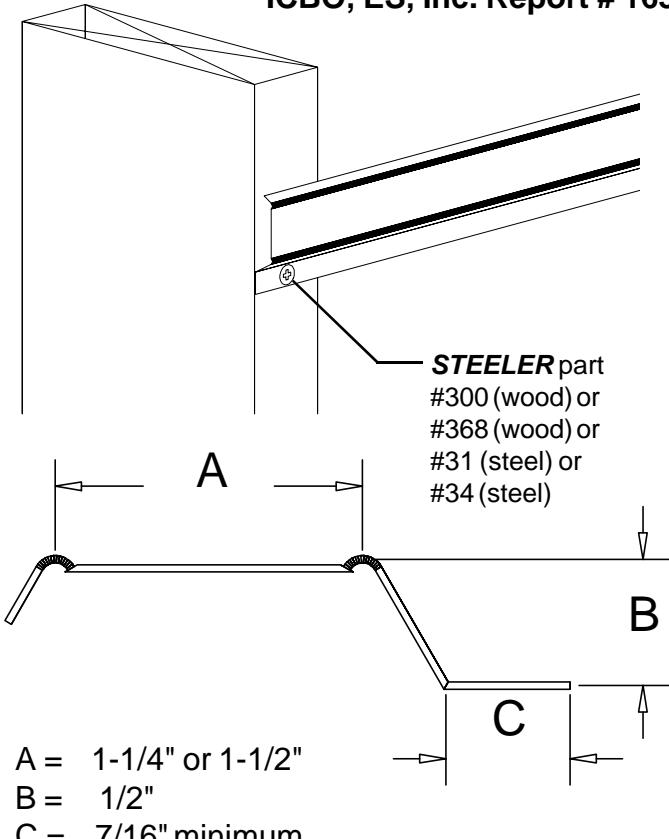
Consult with your engineering firm before using this product.

12 SRC (Resilient Channel)

1-800-275-2279



REF: Gypsum Association
ICBO, ES, Inc. Report # 1632



STEELER INC. is pleased to offer an excellent product for use in wall assemblies requiring higher S.T.C. ratings as stipulated by the Uniform Building Code. Our 12 SRC meets the minimum design dimensions (A,B&C) as shown on page 5 of the Gypsum Association's **ICBO No. 1632**.

When used in accordance with the Gypsum Association's Fire Resistance and Sound Control Design Manual, 12 SRC will meet their listed ratings. The developers of the 1991 Edition of the Uniform Building Code and the technical staff of the International Conference of Building Officials have recognized the S.T.C. and Fire Resistance Ratings of the "generic" systems as set forth in the Gypsum Association's Fire Resistance and Sound Control Design Manual.

Materials

- a) Light gauge steel meeting the physical and galvanization requirements of A.S.T.M. A-653 or equal.
- b) Shape and Dimensions in accordance with Gypsum Association Fire Resistance and Sound Control Design Manual, page 14, as shown at left. Available flanges of 1-1/4" and Extra Wide 1-1/2".
- c) Length = 12' - 0" Custom Lengths Available.
- d) Packaging = Bundles of 40 (480 feet per bundle)
- e) Available with hemming for 1-1/4" and hemming is required for 1-1/2".

Installation

- a) Walls - 12 SRC is placed parallel to the floor with attaching flange down and attached with a 1-1/4" Type W (STEELER P/N 300) or Type S (STEELER P/N 368) for wood stud applications. When attaching to steel use a 1/2" Type A (STEELER P/N 31) or 1/2" Type SDS (STEELER P/N 34). Spacing over studs 16" o.c. is 24" maximum. Spacing over studs 24" o.c. is 16" maximum.
- b) Ceilings - 12 SRC is placed perpendicular to the joists and attached as stated above. Spacing under joists 16" o.c. is 24" maximum. Spacing under joists 24" o.c. is 16" maximum.
- c) Sheathing - Use screws (STEELER P/N 268) to secure 1/2" drywall and (STEELER P/N 368) to secure 5/8" drywall.

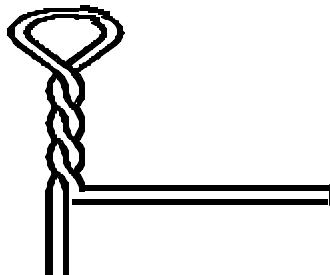
Note: Installation methods and components should be as listed in the Gypsum Association's Fire Resistance and Sound Control Design Manual.

Hanger Wire

1-800-275-2279



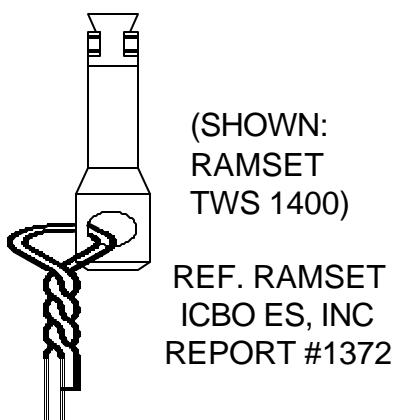
TWISTED
WIRE
W/PIGTAIL
ASSEMBLY



PERCUSSION
CLIP W/PIN
ASSEMBLY

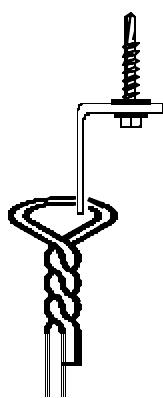


WEDGE
ANCHOR
ASSEMBLY



CLIP W/
SCREW
ASSEMBLY

(SHOWN:
RAMSET
1202CF &
STEELER
28BJZNW)



Galvanized hanger wire is used for a variety of applications in the construction industry. Hanger wire is most commonly used to suspend HVAC ductwork, lighting fixtures, electrical conduit and acoustical ceilings. Hanger wire may be anchored by several different methods. (see assemblies at left)

- 1) Straight wire twisted on site to structure.
- 2) Twisted loop dropped through the pan before concrete.
- 3) Clip w/percussion pin to ceiling surface. (various clip & pin combinations)
- 4) Wedge anchor to ceiling surfaces.
- 5) Clip w/screw to metal structure. (various clip & screw combinations)

Straight wire.

Stock lengths are:

- In 12 ga. 4, 6, 8, 10, 12, 14, 16, and 20 feet.
In 9 ga. 10, 12 feet.
In 8 ga. 10, 12 feet.

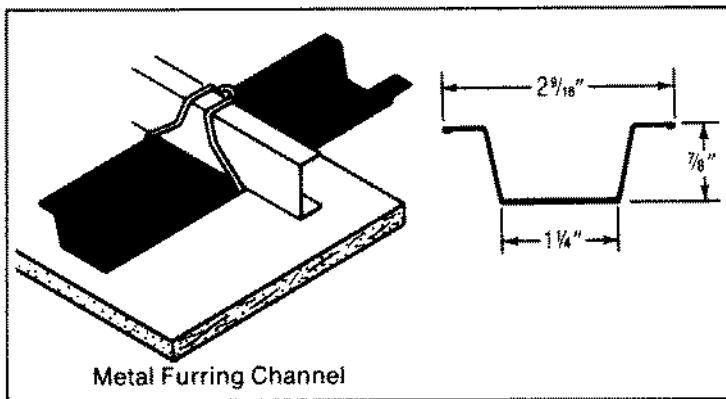
Hanger wire assemblies are manufactured from stock lengths.

Ordering:

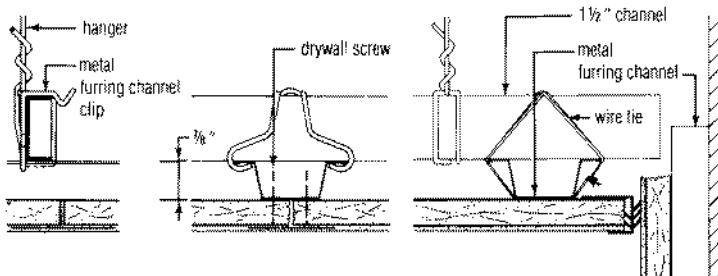
STEELER offers the assemblies shown at left in 8, 9 and 12 gauge wire. We have available many combinations and/or separate components. Custom assemblies may be manufactured on request.

DWC (DryWall Channel)

1-800-275-2279



Metal Furring Channel



STEELER, INC. Drywall furring channel is a roll-formed hat shaped section available in 25ga. to 14ga. galvanized steel. Designed for screw attachment of gypsum panels in ceiling and wall applications. "DWC" may be attached with furring clips or tie wire.

Materials

- a) Light gauge steel meeting the physical and galvanization requirements of ASTM A-653 or equal.
- b) Shape and dimensions shown at left.
- c) Length = 12"-0" and 20'-0" Special lengths available
- d) Depth = $\frac{1}{2}$ ", $\frac{7}{8}$ ", and $1\frac{1}{2}$ "
- e) Gauges available: 25, 22, 20DW (21), 20, 18, 16, and 14.
- f) Refer to page 4 of our ICBO for section properties and span tables.

Installation

- a) Walls- DWC may be attached vertically or horizontally depending on wall type. 16" o.c. or 24" o.c. depending on thickness of gypsum wallboard.
- b) Ceiling- DWC may be attached with furring clips or tie wire to 1 $\frac{1}{2}$ " main carriers. Max allowable spacing for DWC is 24" o.c. for $\frac{1}{2}$ " & $\frac{5}{8}$ " wallboard.

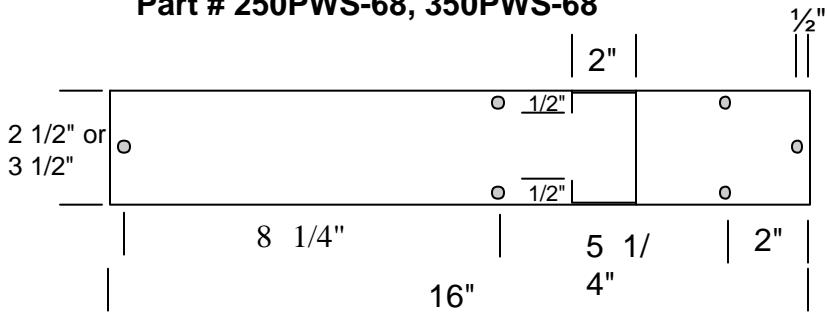
Note: Our "DWC" meets the requirements related to the methods of installation in ASTM C754. Consult with your engineering firm before using this product.

Pony Wall Supports

1-800-275-2279

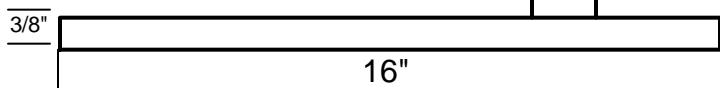
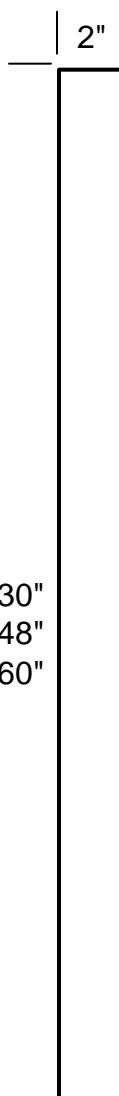


Part # 250PWS-68, 350PWS-68



Custom Lengths Available
Up to 120" (10 feet)

30"
48"
60"



STEELER INC. will provide Pony Wall Supports to you on an as needed basis. We are able to provide custom heights for your special job requirements within reasonable lead times. At left is our standard stock Pony Wall Support with dimensioning variables to help you with your ordering. **STEELER** is not limited to our stock supports and with proper lead time we are able to supply variations on this design.

Features and Benefits:

Steeler Pony Wall Supports have clear advantages over square tubing pony wall supports. Steeler Pony Wall Supports allow for easy screw access and do not need pre-drilling. Our screw #44Z-MAG can be used to attach up to 14 gauge steel studs to either side of the "C" channel. Steeler Pony Wall Supports save time and money.

Materials

- Light gauge steel meeting the physical and galvanization requirements of A.S.T.M. A-653 or equal.
- Maximum recommended height is 40" but can be made to custom specifications such as 120". Stock lengths are 30" and 48".
- The upright is a 14 gauge "C" channel
- The bottom plate is 3/8" X 2 1/2" X 16" mild steel, or 3/8" X 3 1/2"
- The holes are 9/16" in diameter for anchors.
- The upright is welded to the bottom plate, cleaned and painted at the welded area at the same time the bottom plate is painted.

Ordering information

Please be sure to provide quantity, heights, and any special instructions at time of order.

Consult with your engineering firm before using this product.

STEELER® INC. Shaft Walls

C-H Studs & J-Track for Shaft Wall Construction



1-800-275-2279

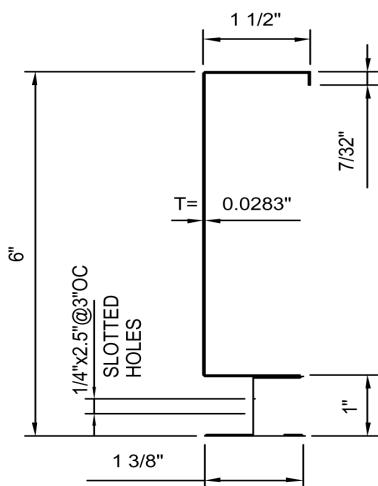
Steeler Inc.'s Engineered C-H Stud and J-Track are an economical solution to Shaft Wall Systems. Steeler C-H shaped studs are shaped by cold-formed shaping of the steel, which increases the strength of the C-H stud. Other competing Shaft Wall Systems use knock out tabs to hold the shaft liner in place, however these knock-out tabs reduce the strength of those Shaft Wall studs and reduce the limiting wall heights of such walls. Steeler C-H are safer and easier to work with because the edges (except for one lip return) are hemmed and there are no sharp knock out tabs to worry about.

Steeler J-Track is manufactured from steel meeting the requirements of ASTM C653-02a or equal, Grade 33 (fy=33KSI).

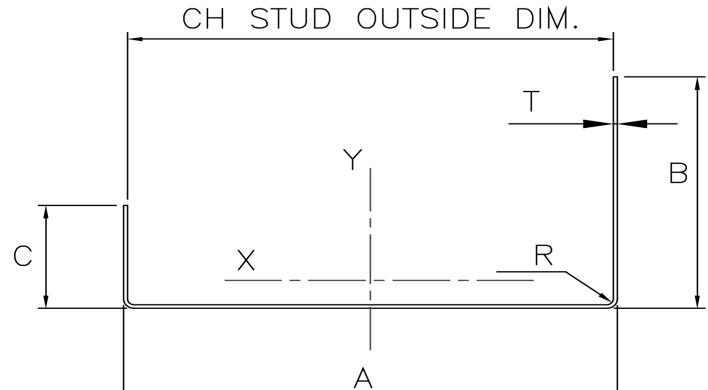
J-Track is used for top, bottom, and end of wall track in construction of Shaft Wall Systems.

Steeler J-Track is available with webs of 2 1/2", 4", and 6". The long flange is 2 1/4" and short flange (stiffener) is available with 1" and 2" flanges.

6" C-H Stud Diagram



J - Track Diagram



STEELER J-TRACK

<u>J-Track Part #:</u>	<u>Web (A):</u>	<u>Flange (B):</u>	<u>Stiffener flange (C):</u>	<u>Thickness:</u>
0250J100	2 1/2"	2 1/4"	1"	18, 27, 30, 33 mils
0250J200	2 1/2"	2 1/4"	2"	18, 27, 30, 33 mils
0400J100	4"	2 1/4"	1"	18, 27, 30, 33 mils
0400J200	4"	2 1/4"	2"	18, 27, 30, 33 mils
0600J100	6"	2 1/4"	1"	18, 27, 30, 33 mils
0600J200	6"	2 1/4"	2"	18, 27, 30, 33 mils

*Part # Notes: Desired thickness of J-Track is indicated by appending mil thickness to part # listed above.

STEELER® INC. Shaft Walls

C-H Studs & J-Track for Shaft Wall Construction



1-800-275-2279

STEELER® C-H Studs can be used in the Shaft Wall construction as listed below in the following UL Design Numbers. UL Certifications are available at www.ul.com, or copies are available upon request.

<u>Design Number:</u>	<u>Minimum "C-H" Shaped Stud Size:</u>	<u>Min. Thickness:</u>	<u>Fire Resistance Rating</u>
U428	2-1/2" C-H Shaped studs, 1-1/2" wide	25 GA.	2 hour
U429	2-1/2" C-H Shaped studs, 1-1/2" wide	25 GA.	2 hour
U438	2 1/2" C-H Shaped studs, 1 1/2" wide	25 GA. *	2 hour
U459	2 1/2" C-H Shaped studs, 1 1/2" wide	20 GA.	2 hour
U467	2 1/2" C-H Shaped studs, 1 1/2" wide	25 GA. *	2 hour
U469	2 1/2" C-H Shaped studs, 1 1/2" wide	25 GA. *	1 hour
U492	4" C-H Shaped studs, 1 1/2" wide	25 GA.	2 hour

* - Minimum thickness depends on manufacturer of drywall.

- 1) Steeler C-H Studs conform to the manufacturers standard gauge (MSG), shape, and section property specifications listed in each UL/USG system design and Fire Resistance Rating and are therefore acceptable for use with listed wallboard gypsum products bearing the UL classification marking.
- 2) The 2 1/2" web X 1 1/2" flange dimension for C-H Studs is a minimum requirement and larger sizes, i.e.; 4" and 6" (stud) are permitted system stud sizes under any UL certification.
- 3) All wallboard sizes specified in each system design must bear a UL classification marking.
- 4) Note specific manufacturers standard gauge (MSG) and stud length (floor to ceiling) requirements in each system design.
- 5) Note "J" shaped floor and ceiling runners (J Track) require unequal leg lengths of 1 in. and 2 in. and manufacturers standard gauge (MSG) requirements may vary by system design.

<u>Steeler Part #:</u>	<u>Stud Dimensions:</u>	<u>Gauge:</u>
0250H150-018	2 1/2" x 1 1/2" deep	25
0250H150-030	2 1/2" x 1 1/2" deep	20DW
0250H150-033	2 1/2" x 1 1/2" deep	20
0400H150-018	4" x 1 1/2" deep	25
0400H150-030	4" x 1 1/2" deep	20DW
0400H150-033	4" x 1 1/2" deep	20
0600H150-018	6" x 1 1/2" deep	25
0600H150-030	6" x 1 1/2" deep	20DW
0600H150-033	6" x 1 1/2" deep	20

References:

UL Technical Services, Conformity Assessment Services (CAS)

Phone Number: (847) 272-8800 ext. 42364; Fax (847) 509-6292.

<http://www.ul.com/contact.html>

David Jeter, Steeler Engineer.

Phone Number: (800) 275-2279; Fax (206) 725-1300.

10023 Martin Luther King Jr. Way South, Seattle, WA 98178

www.steeler.com e-mail: engineering@steeler.com

STEELER® INC.

SLOTTED STUD™

1-800-275-2279



The **STEELER® SLOTTED STUD™** is an innovative and economical light gauge steel framing Deflection Head-Of-Wall (HW) System which revolutionizes commercial and residential construction techniques. The **STEELER® SLOTTED STUD™** is classified by Underwriters Laboratories, Inc. for 500 successful cycles. **It is unlike any other head-of-wall assembly currently in the construction industry and can be used for both non-load bearing and wind load-bearing walls.** The **STEELER® SLOTTED STUD™** has a slot of 2-1/4" which allows for up to a 2" deflection depending on which Head-Of-Wall System is used. The Engineer of Record shall specify which Head-Of-Wall System to use.

UL® Head of Wall Systems:

<u>System Number:</u>	<u>Fire Rating:</u>	<u>Movement Class & Capabilities:</u>
HW-D-0016	1 & 2 Hour Fire Rating	Classes II & III, 25% Compression
HW-D-0020	1 & 2 Hour Fire Rating	Class II, 25% Compression or Extension
HW-D-0021	1 & 2 Hour Fire Rating	Class II, 18.75% Compression and Extension
HW-D-0029	1 & 2 Hour Fire Rating	Class II, 25% Compression or Extension
HW-D-0032	2 Hour Fire Rating	Class II, 50% Compression or Extension
HW-D-0033	2 Hour Fire Rating	Class II, 50% Compression or Extension
HW-D-0034	1 & 2 Hour Fire Rating	Class II, 25% Compression or Extension
HW-D-0037	2 Hour Fire Rating	Class II, 18.75% Compression or Extension
HW-D-0048	1 & 2 Hour Fire Rating	Class II, 33% Compression or Extension
HW-D-0049	1 & 2 Hour Fire Rating	Class II, 50% Compression or Extension



U.L. Classified XHLI.R21503

U.L. Classified for Canada XHLI7.R21503



CSFM Fire Engineering Listed 8-13-04

For questions or additional information, please contact our Marketing Department.

STEELER® INC. Corporate Headquarters
1-800-275-2279 Toll Free 206-725-2500 Local
206-725-1700 Marketing Fax
10023 Martin Luther King Jr. Way South
Seattle, WA 98178
e-mail: marketing@steeler.com

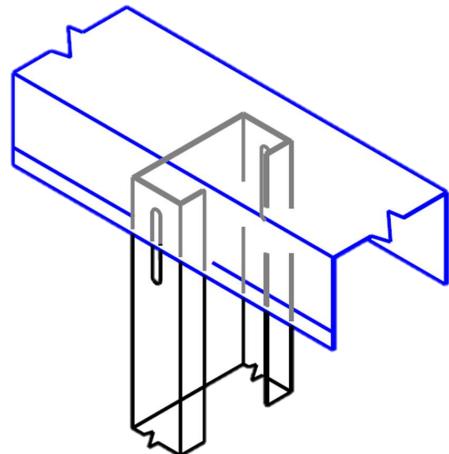
For technical questions, please visit our website at www.steeler.com
or contact **David Jeter PE SE**, Manager, Steeler Engineering Department
email: engineering@steeler.com



STEELER SLOTTED STUD™

MODERN, EFFICIENT HEAD-OF-WALL SYSTEMS

A cost-effective alternative to slotted track, the Steeler Slotted Stud is everything you need in a Head-of-Wall system. The Steeler Slotted Stud is innovative and economical, as it can be used in combination with track to form both non-load bearing and wind load-bearing walls. It includes a 2 1/4" slot which allows for up to a 2" vertical deflection and is UL fire rated. Substituting Steeler Slotted Stud in place of slotted track can save your project money while still offering the proper deflection your walls require.



Easier Install: Steeler Slotted Studs are lighter than conventional studs, meaning quicker installation. The 2-1/4" slot allows for easy fastening.

Better Deflection: Steeler Slotted Stud is unlike any other head-of-wall assembly in the industry. Its 2-1/4" slot allows for up to 2" of deflection.

Superior Toughness: We use a full zinc coating to greatly minimize rust formation. What's more, the Steeler Slotted Stud is available in gauges from 21 to 12, meaning superior wind load capabilities.

Designed for fire & smoke protection: Two slots in the head of each stud means less of a need for fire proofing.

The Steeler Slotted Stud offers an effective alternative to standard slotted track. Depending on the specifications of your project, Steeler Slotted Studs can save you big money.

Steeler Slotted Studs meet or exceed ASTM A370, A1003, C754, C645, and C955. The Steeler Slotted Stud is UL rated for up to 2 hours. Members 33ES and thicker are engineered to be load bearing and thus structural.

Web Size Offerings: 1-5/8", 2", 2-1/2", 3-1/2", 3 5/8", 4", 5 1/2", 6", 8", 10", and 12".

Flange Offerings: 1-1/4", 1-7/16", 1-5/8", 2", 2-1/2", and 3".

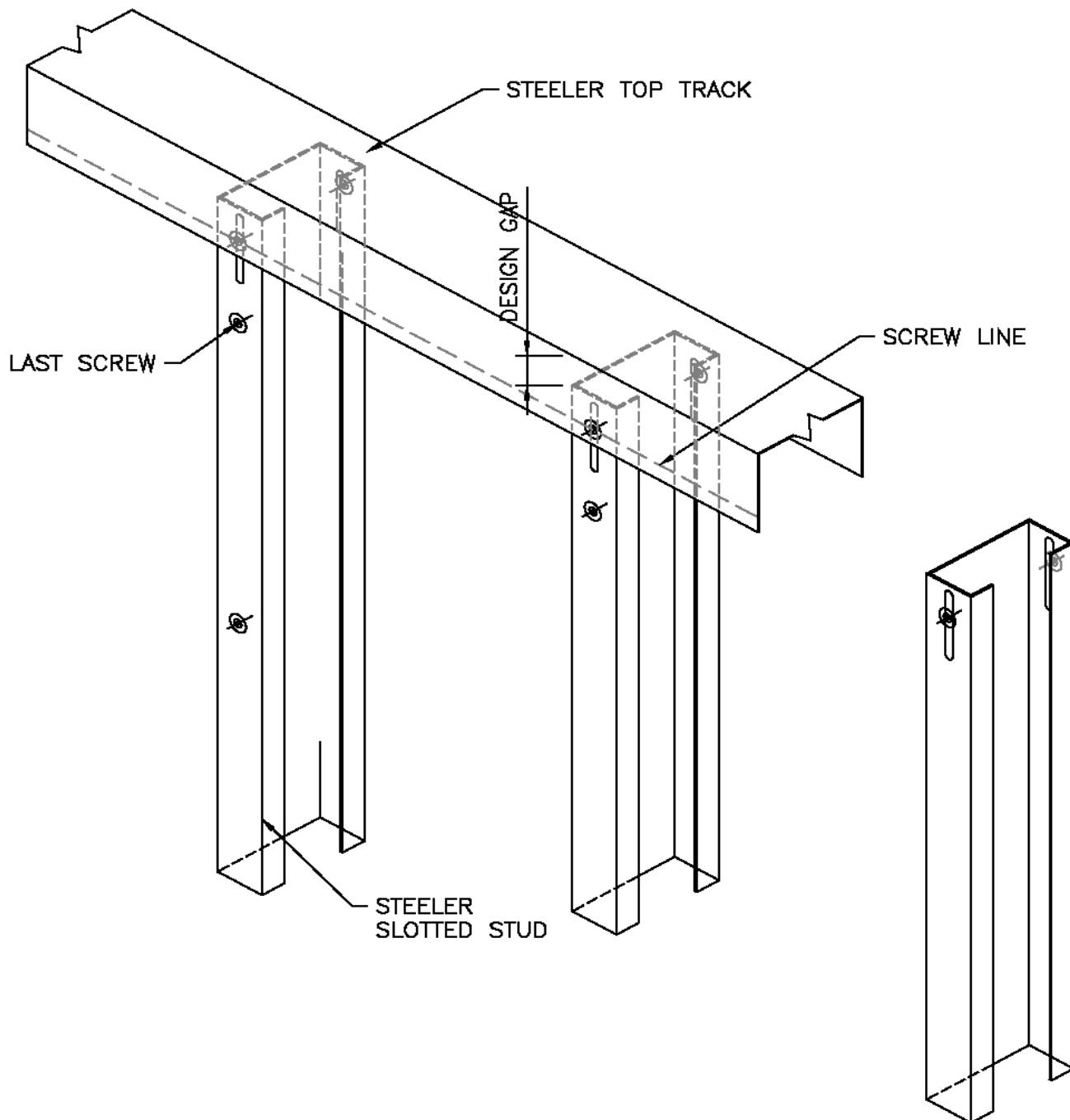


For more information, including Limiting Heights and Section Properties, visit www.steeler.com

STEELER® INC.
SLOTTED STUD™



**Wind Load & Non-Load Bearing
Deflection Wall System**



U.S. Patent No. 6,854,237 B2

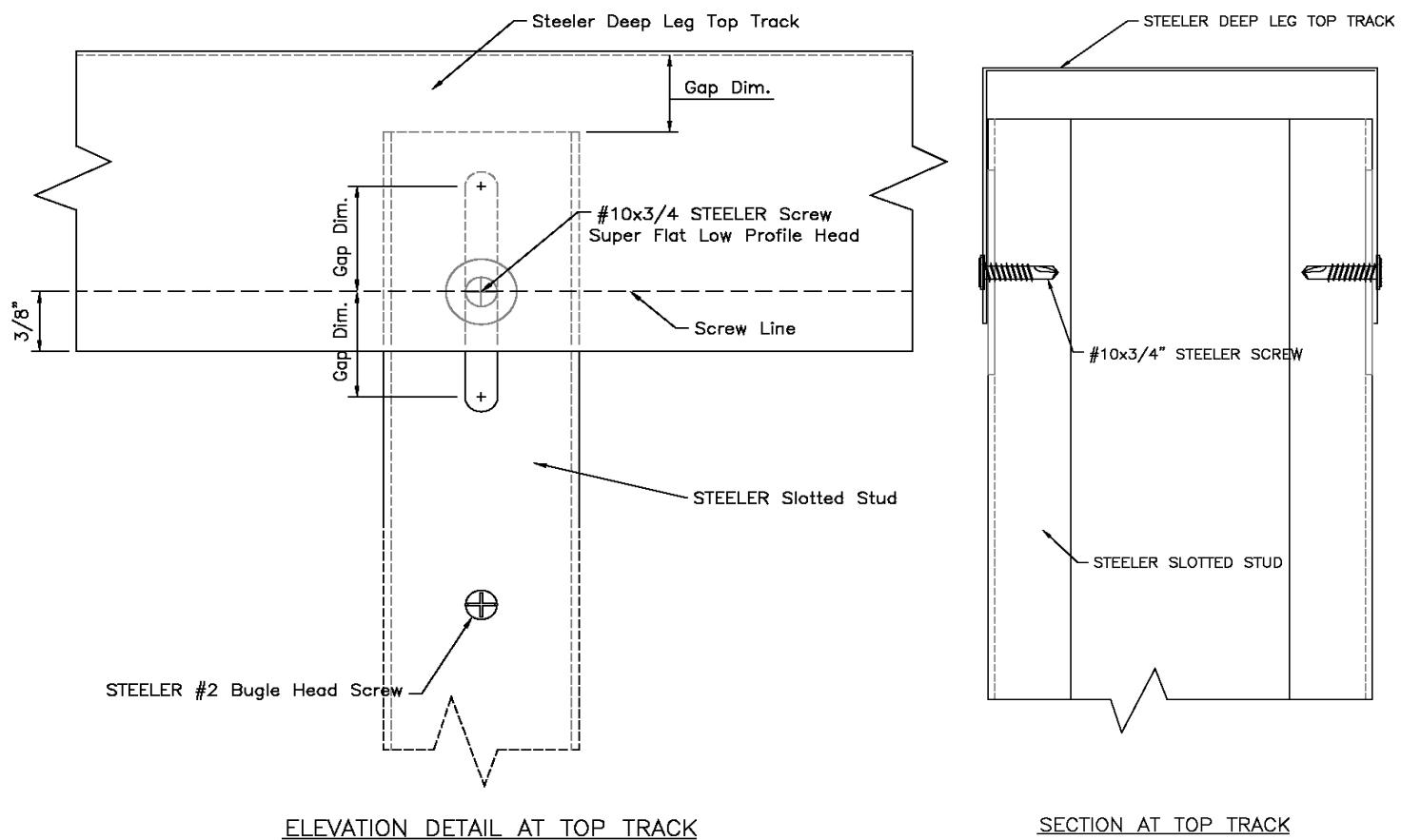
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November 3, 2005

STEELER® INC.

SLOTTED STUD™

Wind Load & Non-Load Bearing Deflection Wall System



U.S. Patent No. 6,854,237 B2

The Engineer of Record shall specify design vertical and lateral deflection requirements.

STEELER® Part Number	Web/Width	Description
S125 (SS STUD)	1-5/8" 0162S125 2-1/2" 0250S125 3-1/2" 0350S125 3-5/8" 0362S125 4" 0400S125 5-1/2" 0550S125 6" 0600S125 8" 0800S125	The 1-1/4" (SS) Series Structural Studs have a 1 -1/4" stiffened flange with a minimum lip bend at a 90° angle. Sections typically available in thicknesses of 97 mils (12 gauge), 68 mils (14 gauge), 54 mils (16 gauge), 43 mils (18 gauge), 33 mils (20 gauge), 30 mils (20DW), and 18 mils (25 gauge). Standard webs are 1-5/8", 2-1/2", 3-1/2", 3 5/8", 4", 6", 8", 10", and 12".*
S137 (HS STUD)	1-5/8" 0162S137 2-1/2" 0250S137 3-1/2" 0350S137 3-5/8" 0362S137 4" 0400S137 6" 0600S137 8" 0800S137	The 1-3/8" (HS) Series Structural Studs have a 1-3/8" stiffened flange with a minimum lip bend at a 90° angle. Sections typically available in thicknesses of 97 mils (12 gauge), 68 mils (14 gauge), 54 mils (16 gauge), 43 mils (18 gauge), 33 mils (20 gauge), 30 mils (20DW), and 18 mils (25 gauge). Standard webs are 1-5/8", 2-1/2", 3-1/2", 3 5/8", 4", 6", 8", 10", and 12".*
S162 (WC STUD/JOIST)	2-1/2" 0250S162 3-1/2" 0350S162 3-5/8" 0362S162 4" 0400S162 6" 0600S162 8" 0800S162	The 1-5/8" (WC) Series Structural Studs have a 1-5/8" stiffened flange with a minimum lip bend at a 90° angle. Sections typically available in thicknesses of 97 mils (12 gauge), 68 mils (14 gauge), 54 mils (16 gauge), 43 mils (18 gauge), 33 mils (20 gauge), 30 mils (20DW), and 18 mils (25 gauge). Standard webs are 1-5/8", 2-1/2", 3-1/2", 3 5/8", 4", 6", 8", 10", and 12".
S200 (CW STUD/JOIST)	1-5/8" 0162S200 2-1/2" 0250S200 3-1/2" 0350S200 3-5/8" 0362S200 4" 0400S200 6" 0600S200 8" 0800S200 10" 1000S200 12" 1200S200	The 2" (CW) Series Structural Studs have a 2" stiffened flange with a minimum lip bend at a 90° angle. Sections typically available in thicknesses of 97 mils (12 gauge), 68 mils (14 gauge), 54 mils (16 gauge), 43 mils (18 gauge), 33 mils (20 gauge), 30 mils (20DW), and 18 mils (25 gauge). Standard webs are 1-5/8", 2-1/2", 3-1/2", 3 5/8", 4", 6", 8", 10", and 12".
T100 (TT TRACK)	1-5/8" 0162T100 2-1/2" 0250T100 3-1/2" 0350T100 3-5/8" 0362T100 4" 0400T100 5-1/2" 0550T100 6" 0600T100 8" 0800T100 10" 1000T100 12" 1200T100	Standard 1" (TT) Series tracks are produced as a C channel section with a 1" flange with no returns. Sections typically available in thicknesses of 97 mils (12 gauge), 68 mils (14 gauge), 54 mils (16 gauge), 43 mils (18 gauge), 33 mils (20 gauge), 30 mils (20DW), and 18 mils (25 gauge). Standard webs are 1-5/8", 2-1/2", 3-1/2", 3 5/8", 4", 6", 8", 10", and 12". Non-stock webs are 14", 16", 18", 20" and 24".
T125, T150, T200 DEEP LEG TRACK (DLT TRACK)	1 -5/8" 0162T ____ 2 -1/2" 0250T ____ 3" 0300T ____ 3 -1/2" 0350T ____ 3 -5/8" 0362T ____ 4" 0400T ____ 5 -1/2" 0550T ____ 6" 0600T ____ 8" 0800T ____ 10" 1000T ____ 12" 1200T ____	Deep Leg Tracks (DLT) are produced as a C channel section with a 1 1/2" flange, with no returns. Sections typically available in thicknesses of 97 mils (12 gauge), 68 mils (14 gauge), 54 mils (16 gauge), 43 mils (18 gauge), 33 mils (20 gauge), 30 mils (20DW), and 18 mils (25 gauge). Standard webs are 1-5/8", 2-1/2", 3-1/2", 3 5/8", 4", 6", 8", 10", and 12". Flanges over 2" are brake shapes and are available for special order.

Notes: 1 mil = 0.001". Mils are design thicknesses. Call for other available thicknesses. Not all available webs are lis-

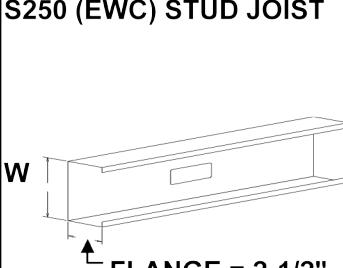
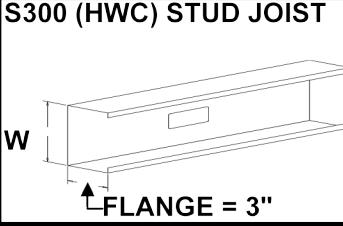
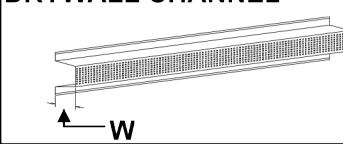
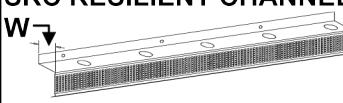
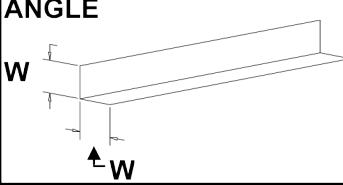
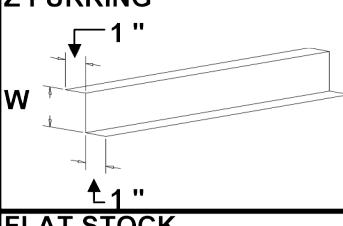
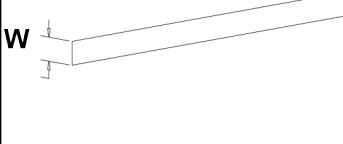
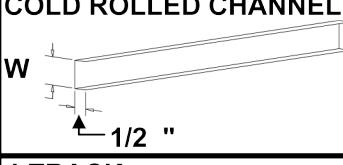
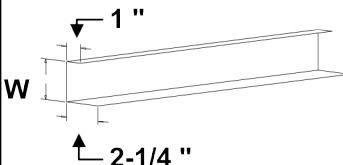
ted. * 1-5/8", 2-1/2", 3-1/2", 3 5/8", 4", 6", 8", 10", and 12" are standard web sizes. 1-1/4", 1-3/8", 1-5/8", 2-1/2", 3-1/2", 3 5/8", 4", 6", 8", 10", and 12" are non-standard web sizes.

November 3, 2005



Steel Framing Products

1-800-275-2279

Product	STEELER Part Number Web/Width ↓	Description
S250 (EWC) STUD JOIST 	2 -1/2" 0250S250 3 -1/2" 0350S250 3 -5/8" 0362S250 4" 0400S250 6" 0600S250 8" 0800S250 10" 1000S250	The 2-1/2" (EWC) Series Structural Studs have a 2-1/2" stiffened flange with a minimum lip bend at a 90° angle. Sections typically available in thicknesses of 97 mils (12 gauge), 68 mils (14 gauge), 54 mils (16 gauge), 43 mils (18 gauge), 33 mils (20 gauge), and 30 mils (20DW). Standard webs are 2-1/2", 3-1/2", 3 5/8", 4", 6", 8", 10", and 12".
S300 (HWC) STUD JOIST 	4" 0400S300 6" 0600S300 8" 0800S300 10" 1000S300 12" 1200S300	The 3" (HWC) Series Structural Studs have a 3" stiffened flange with a minimum lip bend at a 90° angle. Sections typically available in thicknesses of 97 mils (12 gauge), 68 mils (14 gauge), 54 mils (16 gauge), 43 mils (18 gauge), and 33 mils (20 gauge). Standard webs are 3-1/2", 3 5/8", 4", 6", 8", 10", and 12".
DRYWALL CHANNEL 	1/2" 0125F050 7/8" 0125F087 1-1/2" 0125F150	DWC (Drywall Channel) is available in depths of 1/2", 7/8", and 1-1/2", and lengths of 12' and 20'. Sections typically available in thicknesses of 54 mils (16 gauge), 43 mils (18 gauge), 33 mils (20 gauge), 30 mils (20DW), and 18 mils (25 gauge). Standard lengths are 12 and 20 feet. Hemming is available.
SRC RESILIENT CHANNEL 	1-1/4" 0125R050 1-1/2" 0150R050	SRC (Sound Resilient Channel) is available in 18 mils (25 gauge). SRC is available in standard lengths of 12 feet and can be made to order. Hemming is available on 1 -1/4" SRC and is required for 1 -1/2" SRC.
ANGLE 	1" 0100A100 1-1/2" 0150A150 2" 0200A200	Angles are available with flanges of 1", 1-1/2", 2", and other flanges are available for special order up to 12". Sections typically available in thicknesses of 97 mils (12 gauge), 68 mils (14 gauge), 54 mils (16 gauge), 43 mils (18 gauge), 33 mils (20 gauge), 30 mils (20DW), and 18 mils (25 gauge). Standard lengths are 10'. Hemming is available for 18 mils (25 gauge) angle.
Z FURRING 	5/8" 0062Z100 1" 0100Z100 1-1/2" 0150Z100 2" 0200Z100 3" 0300Z100 3 -1/2" 0350Z100	Z-Furring is available with a screw or nail flange of 1", and the available webs are 5/8", 1", 1 -1/2", 2", 3", and 3 -1/2". Sections typically available in thicknesses of 97 mils (12 gauge), 68 mils (14 gauge), 54 mils (16 gauge), 43 mils (18 gauge), 33 mils (20 gauge), 30 mils (20DW), and 18 mils (25 gauge). Z-furring is available for special order in 4" and 6" webs.
FLAT STOCK 	2" 200FS 4" 400FS 6" 600FS 10" 1000FS 12" 1200FS 18" 1800FS	Flat stock is available in many widths, from 1" to 48". Sections typically available in thicknesses of 97 mils (12 gauge), 68 mils (14 gauge), 54 mils (16 gauge), 43 mils (18 gauge), 33 mils (20 gauge), 30 mils (20DW), and 18 mils (25 gauge). Standard lengths are 10' and 100', and any length can be special ordered.
COLD ROLLED CHANNEL 	3/4" 0075U050 1-1/2" 0150U050 2" 0200U050	Cold rolled channel is available in widths of 3/4", 1 -1/2", and 2". The flange is 1/2" for 3/4" CRC, and 17/32" for 1 -1/2" and 2" CRC. CRC is made from 54 mil (16 gauge) and is available in lengths of 10 and 20 feet, and any length can be special ordered. Other sizes may be available as brake shapes.
J-TRACK 	2-1/2" 0250J100 4" 0400J100 6" 0600J100	J-Track is available in widths of 2 -1/2", 4", and 6". The short flange is available in 1" and 2", and the longer flange is 2 -1/4". J-Track is available in thicknesses of 43 mils (18 gauge), 33 mils (20 gauge), 30 mils (20DW), and 18 mils (25 gauge).

Notes: 1 mil = 0.001". Mils are design thicknesses. Call for other available thicknesses. Not all available webs are listed.

STEELER® INC.

Construction Screws



**ISO 9002
CERTIFIED**



STEELER
CONSTRUCTION SUPPLY

STEELER® Construction Screws are Produced in ISO 9002 & ISO 14001 Certified Environments and Meet or Exceed ASTM Designation C 954 or C 1002.

DESCRIPTION	PART #	SIZE	QTY/BOX	NET WT	APPLICATION
SUPER STEELERS™ BUGLE HEAD #2 PHILLIPS	168	# 6 X 1"	10M	28.6	1/4"-1/2" GYP. TO 25GA-20GA STEEL
	268 & 268YZ	# 6 X 1-1/8"	10M	30.8	1/2"- 5/8" GYP. TO 25GA-20GA STEEL
	368	# 6 X 1-1/4"	8M / 10M	27.8 / 34.8	5/8" GYP. TO 25GA-20GA STEEL
	468 & 468YZ	# 6 X 1-5/8"	5M	21.6	DOUBLE LAYERS OF GYPSUM TO 25GA & 20GA STEEL
	768	# 6 X 2"	5M	26.6	25GA & 20GA STEEL
	868 & 868YZ	# 8 X 2-1/4"	4M	22	MULTIPLE LAYERS OF GYPSUM OR OTHER MATERIALS TO 25GA & 20GA STEEL
	968 & 968YZ	# 7 X 2-1/2"	2.5M	19.1	
	1168 & 1168YZ	# 8 X 3"	2M	20.2	
	1268 & 1268YZ	# 10 X 3-1/2"	1M	18	
	1368 & 1368YZ	# 10 X 4"	1M	20.7	DEEP RECESS SHARP POINT
	1568 & 1568YZ	# 10 X 5"	1M	24.6	
	1768 & 1768YZ	# 10 X 6"	1M	29	
HI-LO SUPER STEELERS™	368HL	# 6 X 1-1/4"	8M	27.7	HIGH-LOW THREAD - FASTER 5/8" GYP. TO 26GA-20GA STEEL MORE HOLDING IN LIGHT GAUGES
SUPER FRAMER	23 & 23Z	# 7 X 7/16"	15M	37.6	FRAMING 25 GA & 20 GA STEEL DEEP RECESS SHARP POINT
SUPER LATHERS WAFER HEAD	31 & 31Z	# 8 X 1/2"	10M	35.2	METAL LATH TO 25 GA & 20 GA STEEL
	32 & 32Z	# 8 X 1"	5M	26.6	&
	33 & 33Z	# 8 X 1-1/4"	5M	31.2	FRAMING 25 GA & 20 GA STEEL
SUPER HEX FRAMERS HEX WASHER HEAD SHARP POINT	25AZ	# 8 X 1/2"	10M	29.3	MULTIPURPOSE SHEET METAL AND HVAC WORK. FRAMING
	25BZ	# 8 X 3/4"	10M	37	25 GA & 20 GA STEEL STUD AND
	25CZ	# 8 X 1"	8M	37.9	TRACK. SIDING AND AWNING
	25DZ	# 8 X 1-1/4"	5M	27.9	TO WOOD FRAME
	25EZ	# 8 X 1-1/2"	5M	32.3	
	HWH14-1	# 14 X 1"	4M	55.5	
	HWH14-114	# 14 X 1-1/4"			
SUPER WOODIES™ BUGLE HEAD #2 PHILLIPS	100 & 100YZ	# 6 X 1"	10M	28.6	1/4" - 1/2" GYPSUM TO WOOD
	200 & 200YZ	# 6 X 1-1/8"	10M	30.8	"
	300 & 300YZ	# 6 X 1-1/4"	8M	27.8	1/2" - 5/8" GYPSUM TO WOOD
	400 & 400YZ	# 6 X 1-5/8"	5M	21.6	DOUBLE LAYER OF GYPSUM
	700 & 700YZ	# 6 X 2"	5M	26.6	TO WOOD
	800 & 800YZ	# 6 X 2-1/4"	4M	22	MULTIPLE LAYERS OF GYPSUM OR
	900 & 900YZ	# 7 X 2-1/2"	2.5M	19.1	OTHER MATERIALS TO WOOD
	1100 & 1100YZ	# 8 X 3"	2M	20.2	DEEP RECESS SHARP POINT
	#2 SQUARE				
SUPER LAMINATING	12	# 10 X 1-1/2"	5M	38.7	TEMPORARY GYPSUM TO GYPSUM
CABINET SCREWS PAN HEAD - TYPE 17 PT.	90-114	#6 X 1-1/4"	10M		CABINET SCREWS ARE USED FOR
	90-112SQ	#6 X 1-1/2"	5M		CABINET & FACE FRAME INSTALLATION
	90-112ZSQ	#6 X 1-1/2"	5M		TYPE 17 POINT HELPS PREVENT
	90-212ZSQ	#8 X 2-1/2"	2.5M		WOOD SURFACE FROM SPLITTING
	SQ = SQUARE DRIVE				
#2 SQUARE / #2 PHILLIPS					

* Z or YZ denotes availability in zinc coating.

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November 1, 2005

STEELER® INC.

Construction Screws



STEELER
CONSTRUCTION SUPPLY

STEELER® Construction Screws are Produced in ISO 9002 & ISO 14001 Certified Environments and Meet or Exceed ASTM Designation C 954 or C 1002.

DESCRIPTION	PART #	SIZE	QTY/BOX	NET WT	APPLICATION
DRYWALL DRILLERS BUGLE HEAD "TEK" #2 PHILLIPS	13 13.5 & 13.5Z 14 & 14Z 15 & 15Z 16 & 16Z 30S 30M & 30MZ 30L	# 6 X 1" # 6 X 1-1/8" # 6 X 1-1/4" # 6 X 1-5/8" # 6 X 1-7/8" # 8 X 2-3/8" # 8 X 2-5/8" # 8 X 3"	10M 10M 8M / 10M 5M 4M 2M 2M 2M	32.6 37.2 31.8 / 39.8 25.5 23.5 18.5 20 23.8	1/2" GYPSUM STEEL UP TO 12 GA. 5/8" GYPSUM STEEL UP TO 12 GA. 5/8" GYPSUM STEEL UP TO 12 GA. DOUBLE LAYERS OF GYPSUM UP TO 12 GA. MULTIPLE LAYERS OF GYPSUM UP TO 12 GA. DEEP RECESS FAST DRILL TIME
SUPER FRAMING DRILLERS PAN HEAD "TEK" #2 PHILLIPS	19 & 19Z 20 & 20Z 40-12Z 41 SUPER-12 41 SUPER-34	# 7 X 7/16" # 8 X 1/2" # 10 X 1/2" # 10 X 1/2" # 10 X 3/4"	15M 10M 10M 10M 10M	39.6 31.9 46.9 44 59.4	FRAMING 20 GA. STEEL FRAMING STEEL UP TO 14 GA. PAN HEAD, ZINC FLAT HEAD, ZINC FLAT HEAD, ZINC DEEP RECESS FAST DRILL TIME
WAFER HEAD DRILLERS WAFER HEAD "TEK" #2 PHILLIPS	34 & 34Z 35 & 35Z 36 & 36Z 38(Z) SUPER 50PZ 44ZMAG	# 8 X 1/2" # 8 X 1" # 8 X 1-1/4" # 8 X 1-3/4" # 10 X 5/8" # 10 X 3/4"	10M 5M 5M 4M 5M 5M	36.3 27.5 31.9 32.6 27.5 30.8	DEEP RECESS FAST DRILL TIME EXTRA WIDE WASHER METAL LATH TO STEEL & FRAMING STEEL UP TO 14 GA. SUPER POINT SUPER POINT, SUPER HEAD *SUPER POINT, SUPER HEAD* *FRAMING STEEL UP TO 12 GA.*
SUPER HEX DRILLERS HEX WASHER HEAD "TEK"	26A & 26AZ 26BZ 26C & 26CZ 26EZ 28AZ 28BZ 28CZ HWHTZ10-2	# 8 X 1/2" # 8 X 3/4" # 8 X 1" # 8 X 1-1/2" # 10 X 1/2" # 10 X 3/4" # 10 X 1" # 10 X 2"	10M 10M 8M 5M 10M 10M 8M 2M	31.9 41.8 39.6 34.3 47.5 61.2 56.3 24.2	MULTI-PURPOSE SHEET METAL AND HVAC WORK, STEEL FRAMING AND METAL TO METAL APPLICATIONS HEX HEADS ALLOWS FOR GREATER TORQUE WITHOUT CAMOUTS
OTHER GAUGES AND LENGTHS AVAILABLE	29BZ 29CZ HWHTZ14-114	# 12 X 3/4" # 12 X 1" # 14 X 1-1/4"	5M 3M 2M	37.8 29 34	HEAVY DUTY STEEL FRAMING MULTI-LAYERS OF HEAVY GA. STEEL
SUPER TRIMMERS #1 SQUARE DRIVE	17SQ 18S 18SQ 18SZ	# 6 X 1-5/8" # 7 X 2-1/4" # 6 X 2-1/4" # 7 X 2-1/4"	10M 5M 5M 5M	50 35 35 35	WOOD TRIM TO 25 GA. AND 20 GA. STEEL FRAMING ZINC
PLY METAL DRILLERS REAMER TEK WINGED DRILLER	RT10-1716 RT10-212 RT12-2 RT12-212 RT12-258 RT12-234	# 10 X 1-7/16" # 10 X 2-1/2" # 12 X 2" # 12 X 2-1/2" # 12 X 2-5/8" # 12 X 2-3/4"	4M 1.5M 1.5M 1M 1M 1M	38.3 21.8 24 19.8 23 23.8	PLYWOOD OR COMPOSITE TO METAL ALL REAMER TEK'S HAVE ZINC COATING

*Note: Z denotes availability in zinc coating.

November 1, 2005

ICC EVALUATION SERVICE, INC.

Evaluate ■ Inform ■ Protect

Los Angeles Business/Regional Office ■ 5360 Workman Mill Road ■ Whittier, CA 90601
(562) 699-0543 phone ■ (562) 695-4694 fax



March 10, 2003

Mike Vailencour
Steeler, Inc.
Marketing and Project support
10023 Martin Luther King Way South
Seattle, Washington 98178

ER-4389P
Please reference this number
on all correspondence

Dear Mr. Vailencour:

In reference to your request, the above-reference evaluation report dated March, 1994 continues to be in good standing under the 1991 *Uniform Building Code*TM. Reissuance of the evaluation report continues, pending acceptance of the technical revisions

If you have any questions, please contact me at (562) 699-0543, extension 3260.

Yours very truly

A handwritten signature in black ink that reads "Peter Bahlo".

Peter Bahlo
Senior Staff Engineer

PB/ns



PRODUCT LINES

INTERIOR & EXTERIOR FRAMING

Steeler Manufactured Products

- * Steel Studs & Track
- * Smooth Products™
- * Slotted Track
- * Sound Resilient Channel
- * Furring Channel
- * Cold-Rolled Channel
- * Angle
- * Flat Stock
- * Shaftwall Studs
- * J Track
- * Z-Furring Channel
- * Custom Brake Shapes
- * Steeler Slotted Studs™
- * Pony Wall Supports



INTERIOR FINISHING & DRYWALL

Steeler Product Offerings

- * Hanger Wire
- * U-Hank Tie Wire
- * Engineered Slide Clips
- * National Gypsum
- * The Steel Network
- * Knauf Insulation
- * Westpac Materials
- * Products from USG
- * Murco Wall Products
- * Award Metals Corner Beads
- * Trim-Tex Drywall Products
- * And more...



FASTENERS

Steeler Product Offerings

- * Super Steelers™*
- * Hi-Lo Super Steelers™
- * Super Woodies™*
- * Super Framer*
- * Super Lathers*
- * Super Hex Framers*
- * Super Laminating
- * Rust Resistant Screws
- * Drywall Drillers*
- * Cement Board Screws
- * Super Framing Drillers*
- * Wafer Head Drillers*
- * Super Hex Drillers*
- * And more...

*Denotes availability in zinc coating



TOOLS & ACCESSORIES

Steeler Product Offerings

- * Bit Tips & Bit Tip Holders
- * Magnetic Nut Runners
- * Chop Saw Blades
- * DeWalt
- * Empire Levels
- * Kett Tool Company
- * ToolPro
- * Pacific Laser Systems
- * Wal-Board Tools
- * Ramset Fastening Systems
- * 3M Construction Supplies
- * And more...



STEELER® ICC-ES REPORT ESR-2054



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