



STANDARD CONNECTION DETAILS

UPDATED AS OF 2025.03.04

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GREENSTONE ICE PANEL

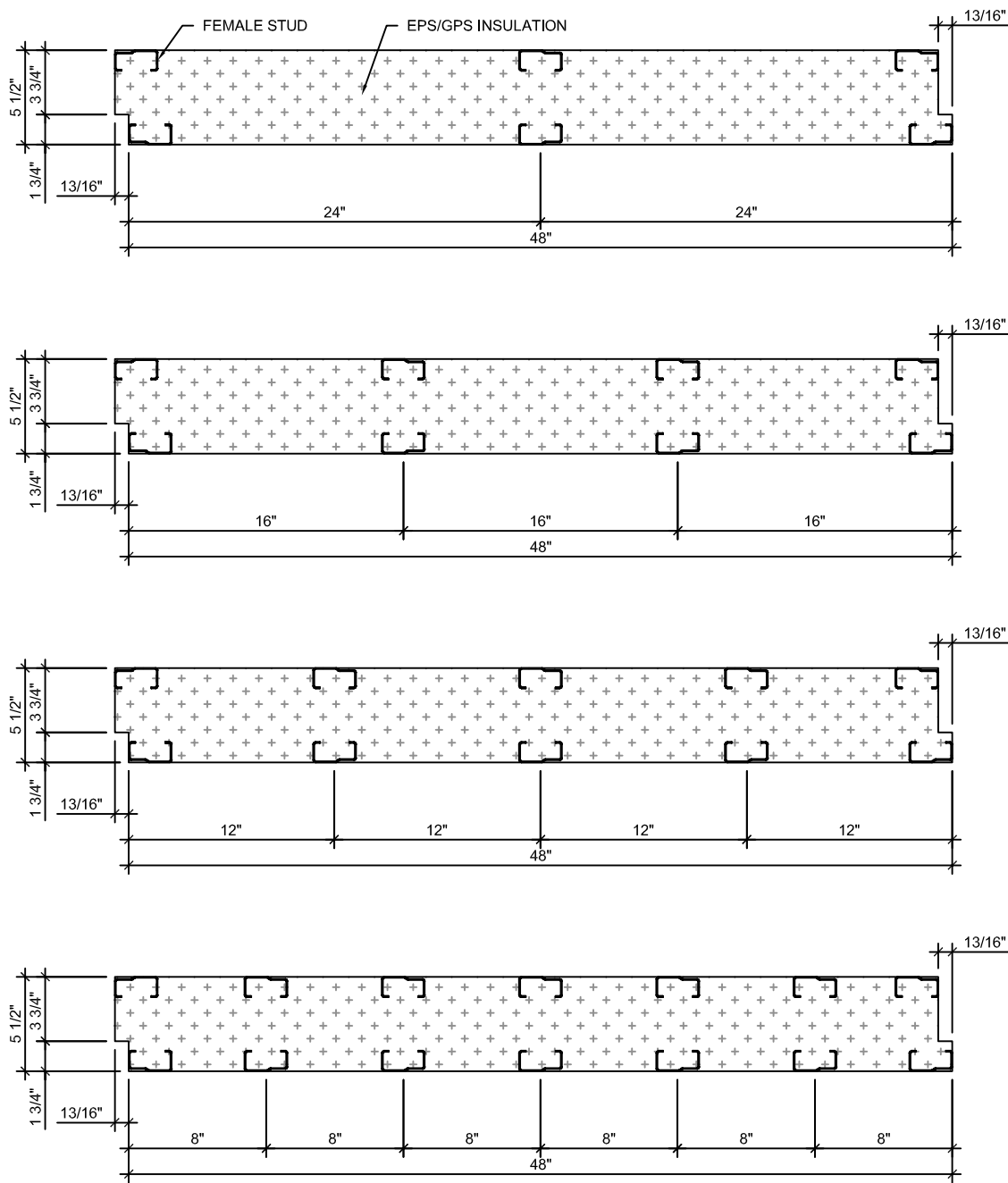
DESIGN PARAMETERS



The following design parameters are required to streamline Greenstone's Design and Production Process. Designs outside of the below list will be considered complex and will require additional design, drafting and production fees and time lines.

1	Rough Openings (RO's) require a plywood sub-frame/rough buck – please specify if they are ¾" or 1.5".
2	RO's must be a minimum of 5 ¾" from inside corners minimum and 6 ½" between adjacent RO.
3	Greenstone headers require a minimum 8" clearance above, and can not span more than an 11' RO*.
4	Ledge cuts should only be on the bearing wall, and not the walls parallel to main joist runs.
5	5.5" walls are limited to 10' high, beyond which, they must be upgraded to 7.5" wall minimum.
6	After 12' of wall height, there is a cost increase for tall walls.
7	Foundations are limited to 6' backfill pressure maximum from top of basement floor to top of backfill.
8	Heights of walls to be supplied by Greenstone must be clearly dimensioned, especially tall walls and rake walls in vaulted ceiling areas, either to truss or to ladder.
9	Both structural faces of the wall must bear down on a load bearing surface.
10	Top plates can be beneficial in most applications. They are required for RTM foundations.
11	Compound notches on panels are highly complex and will delay time lines and increase cost.

* Engineered headers can be used to span larger spaces if needed. Product supplied by third party supplier.



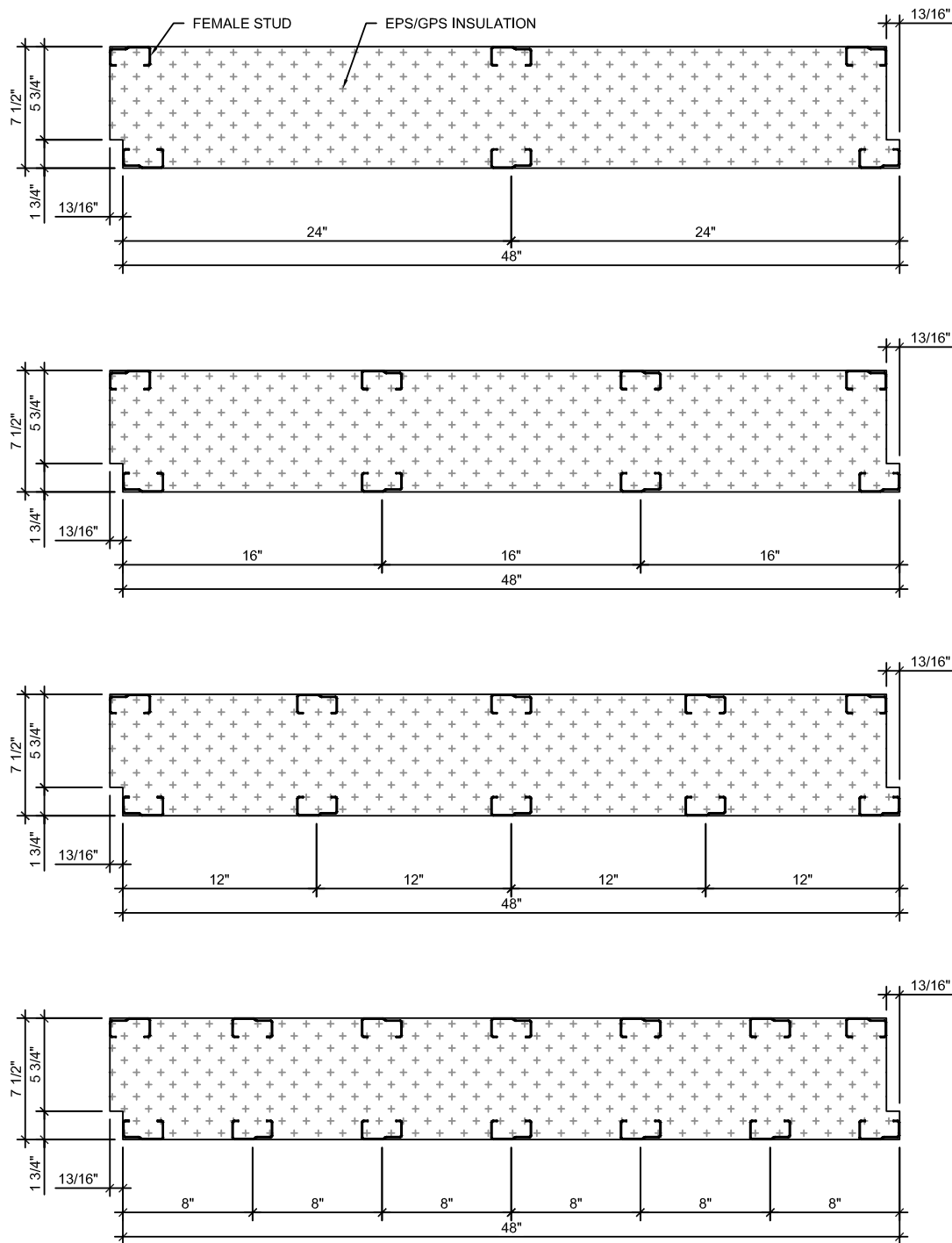
5 1/2" GS PANEL W
O/C STUD SPACING OPTIONS

N.T.S. **101**

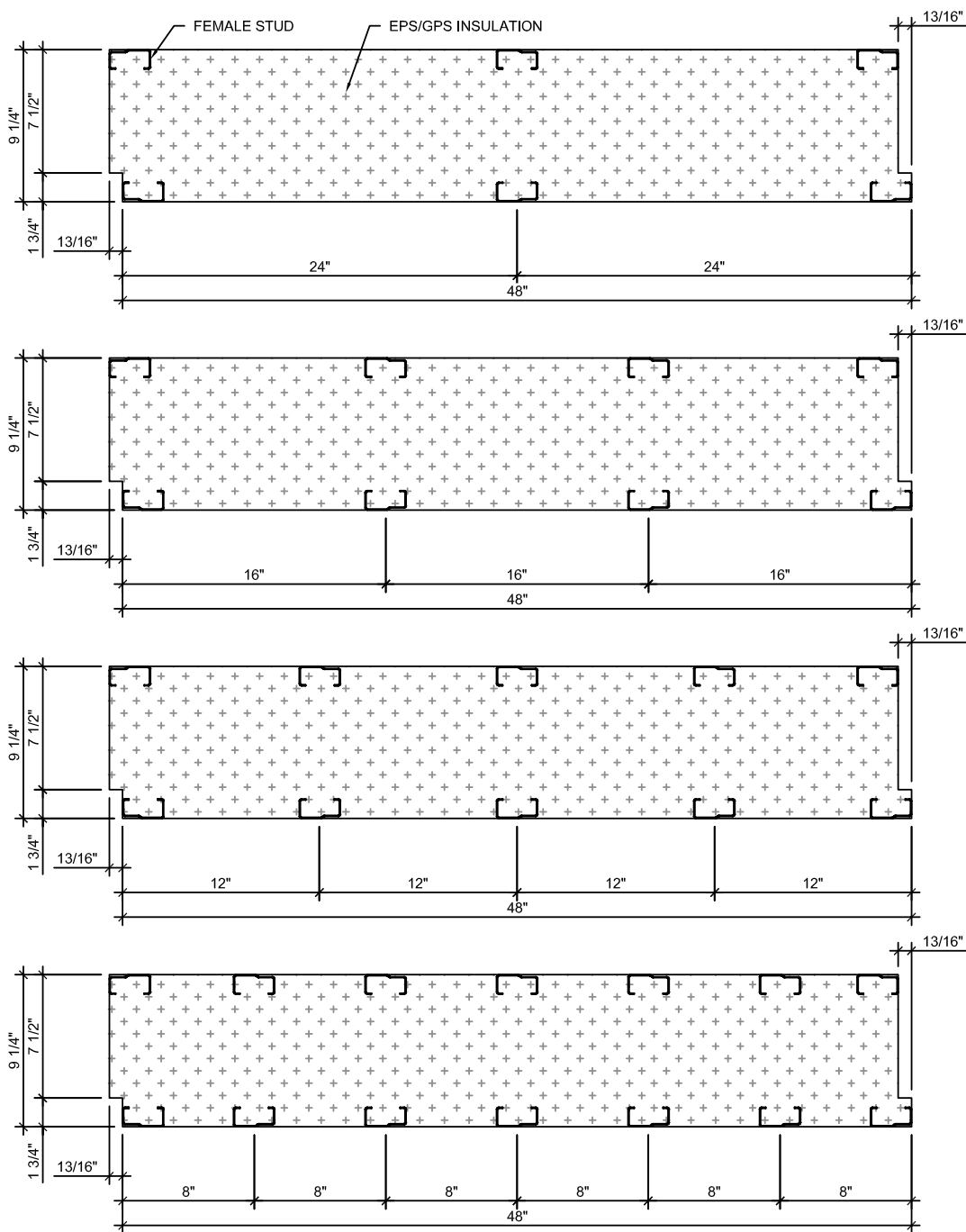
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7 1/2" GS PANEL W
O/C STUD SPACING OPTIONS
N.T.S. 102

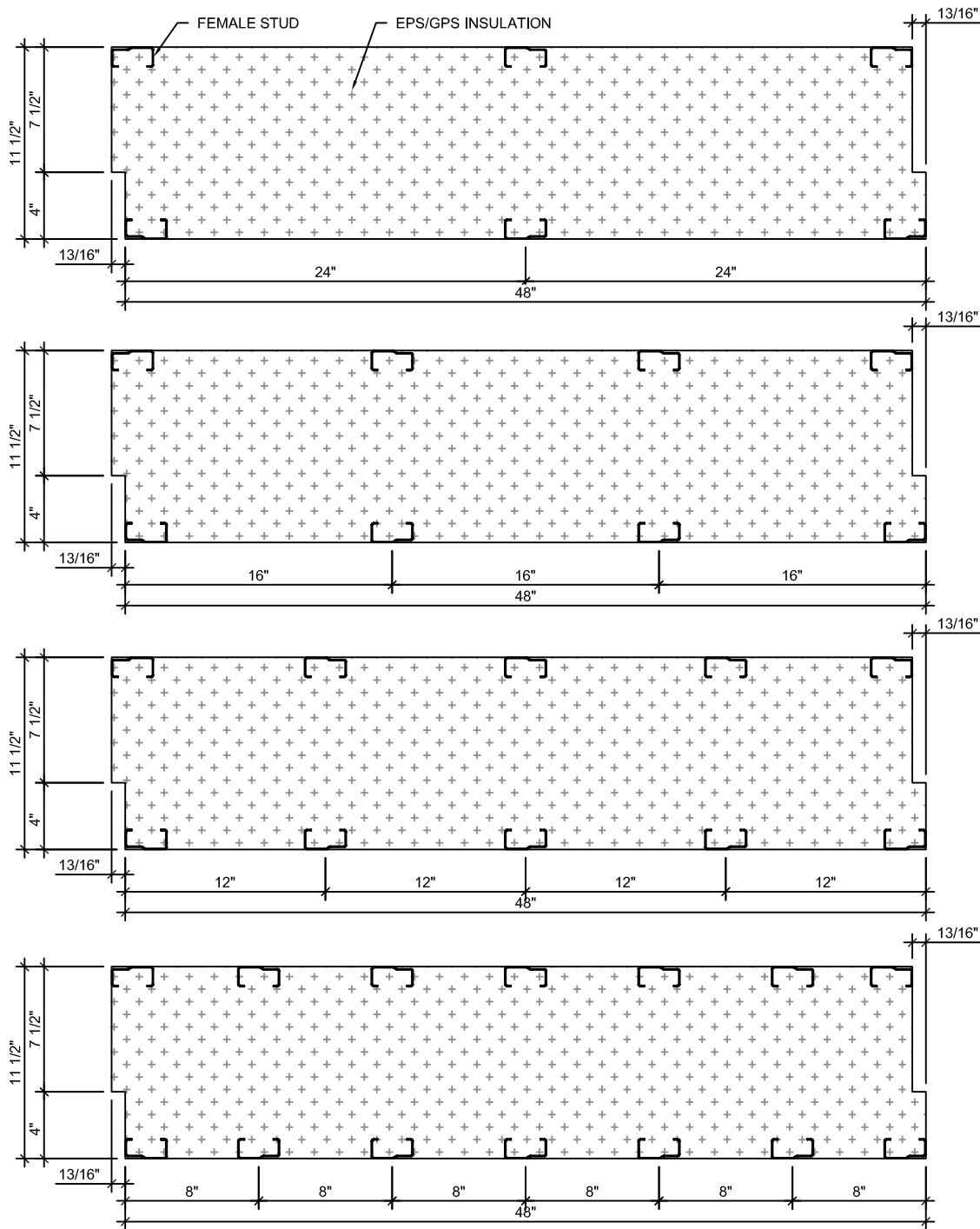


9 1/4" GS PANEL W
O/C STUD SPACING OPTIONS **103**
N.T.S.

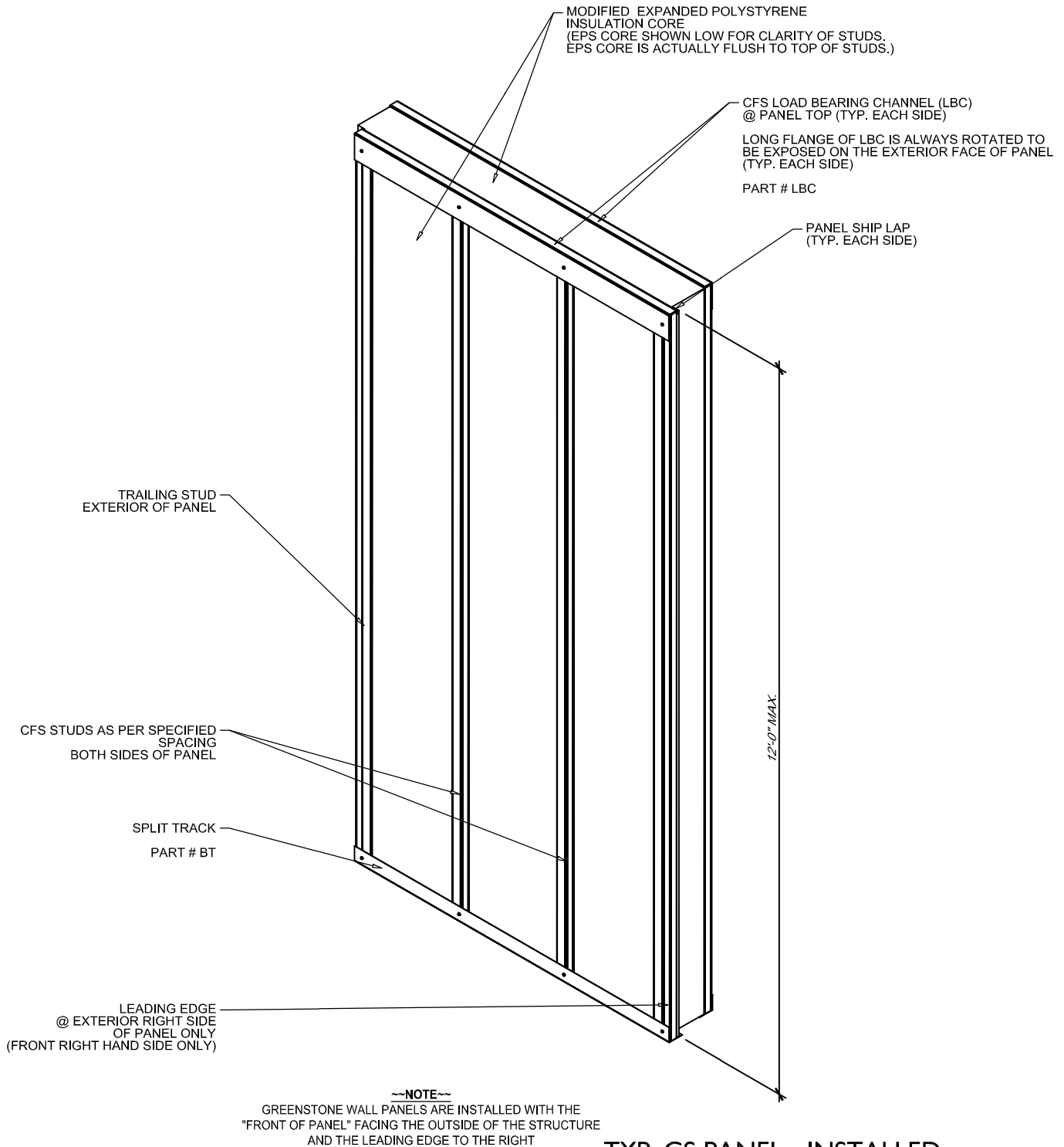
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11 1/2" GS PANEL W
O/C STUD SPACING OPTIONS
N.T.S. 104



**TYP. GS PANEL - INSTALLED
(PERSPECTIVE)**

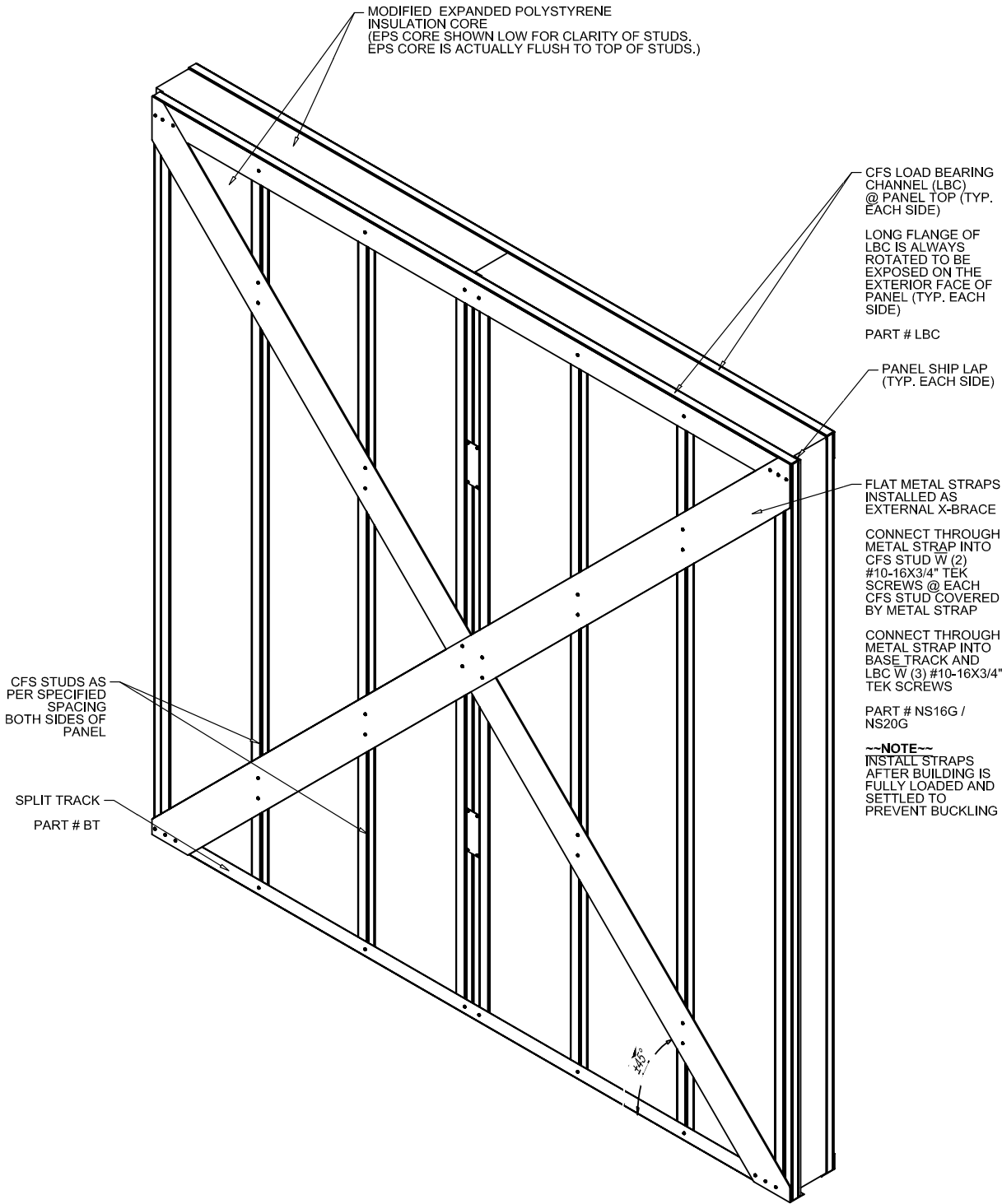
N.T.S.

120

STANDARD CONNECTION DETAILS

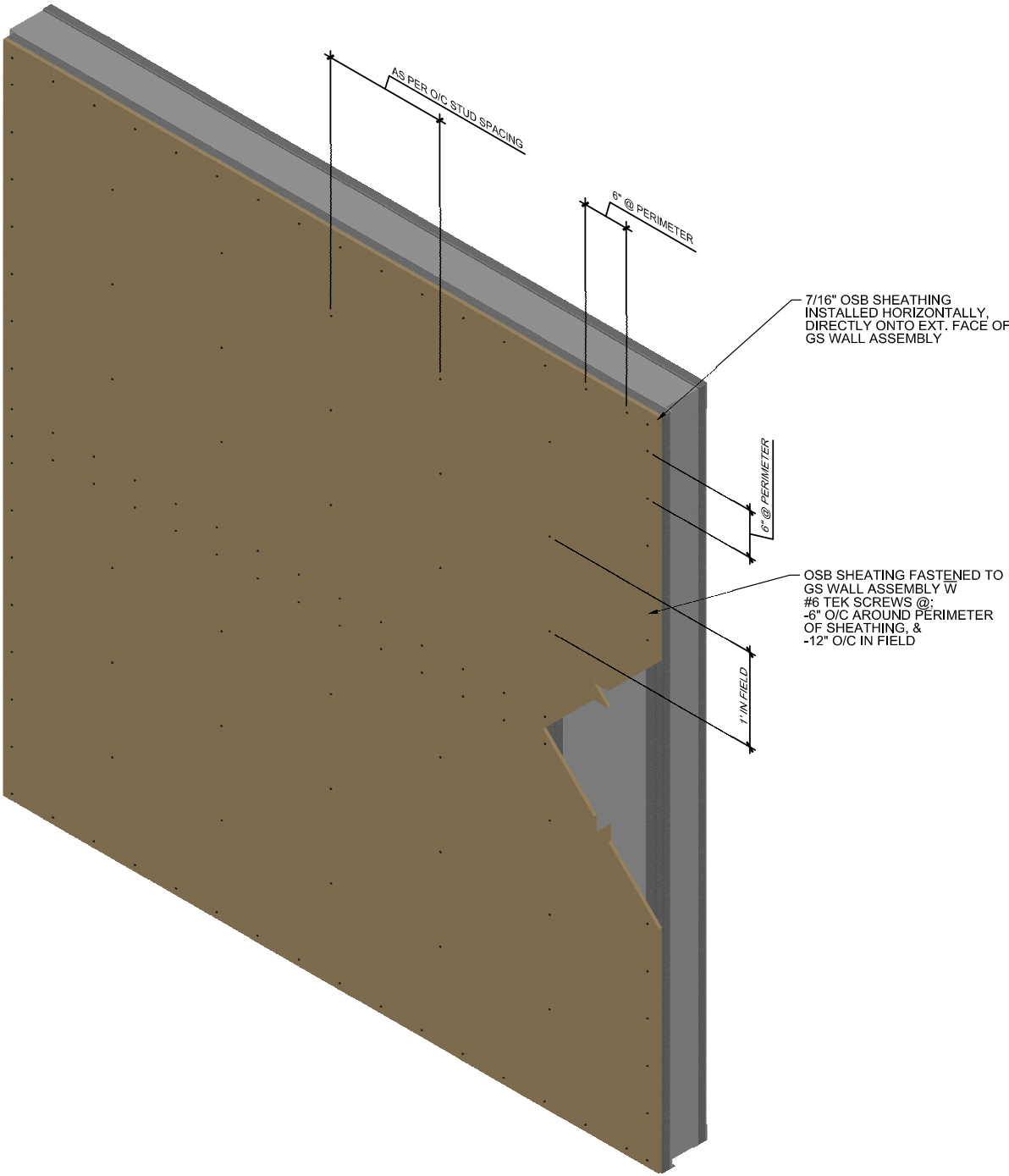
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GS WALL ASSEMBLY W
X-BRACING (PERSPECTIVE)

N.T.S. 122



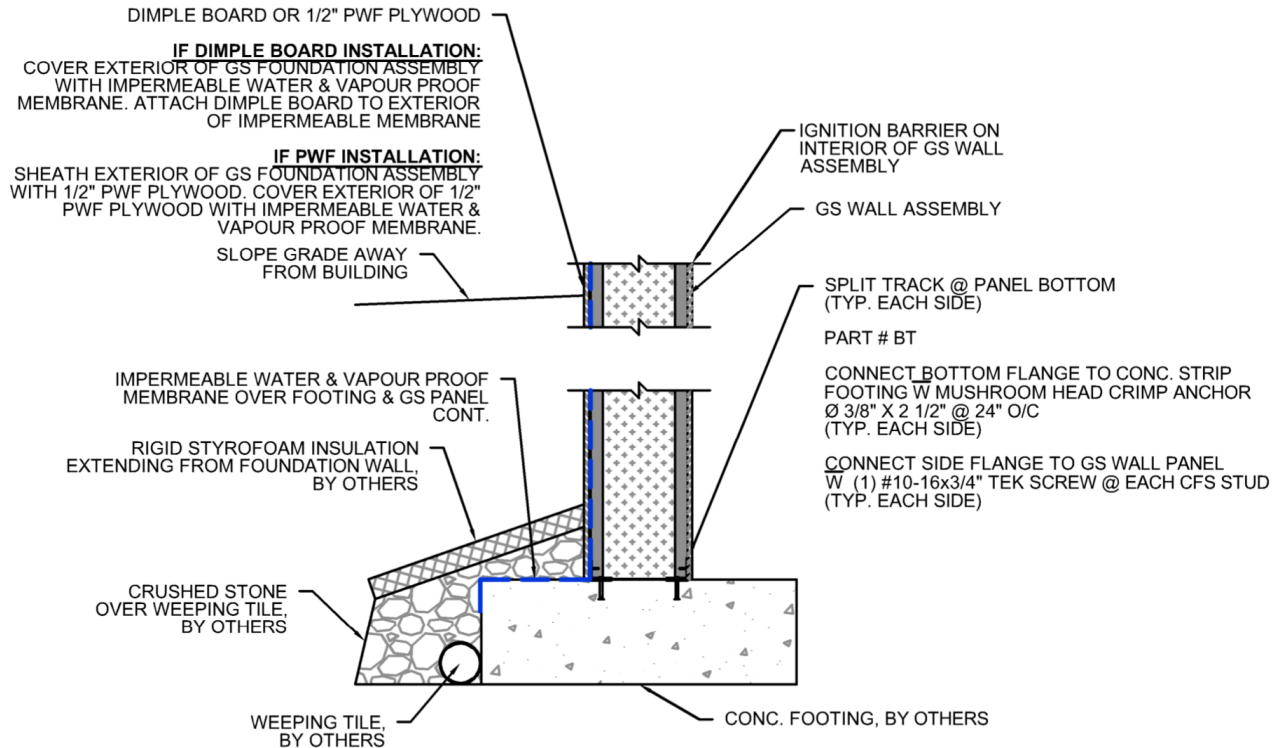
**GS WALL ASSEMBLY W
SHEATHING (PERSPECTIVE)**

N.T.S. **123**

STANDARD CONNECTION DETAILS

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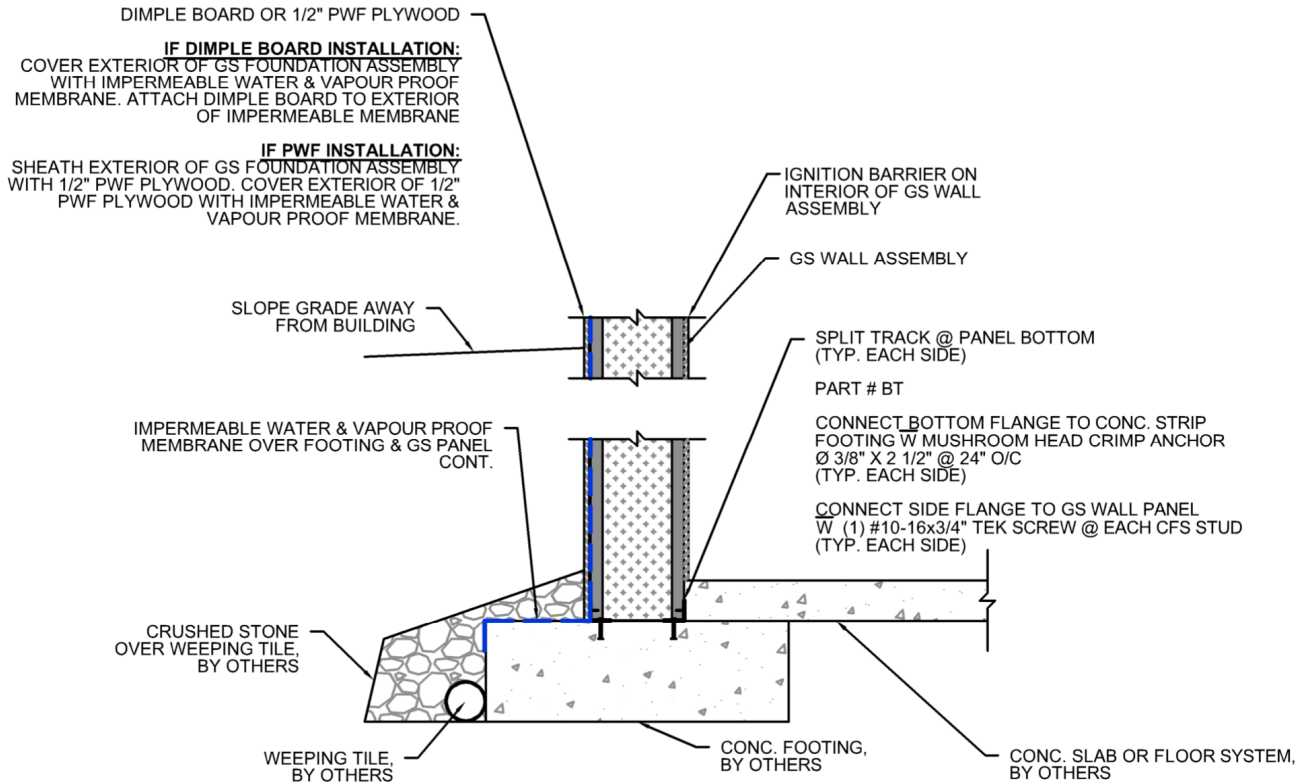
~~NOTE~~

1. ASSEMBLY AND PROPRIETARY ACCESSORY MATERIALS ARE NOT SPECIFICALLY ENDORSED BY GREENSTONE BUILDING PRODUCTS. DRAWING IS INTENDED TO BE A MINIMUM GUIDELINE FOR DESIGN CONSIDERATIONS. FULL ASSEMBLY TO BE SPECIFIED BY PROJECT ARCHITECT.
2. PLEASE REFER TO GREENSTONE BUILDING PRODUCTS "STANDARD PANEL ASSEMBLY MANUAL" FOR CONSTRUCTION METHODS.
3. **INSTALL CONNECTION PLATES IMMEDIATELY ABOVE BASE TRACK.**
4. MITRE CUT TRACK @ CORNERS
5. FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C).
6. EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

GS FOUNDATION DETAIL (SHALLOW BURIAL 0' TO 4' DEPTH) [SECTION]

N.T.S.

201



~~NOTE~~

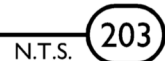
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6. EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

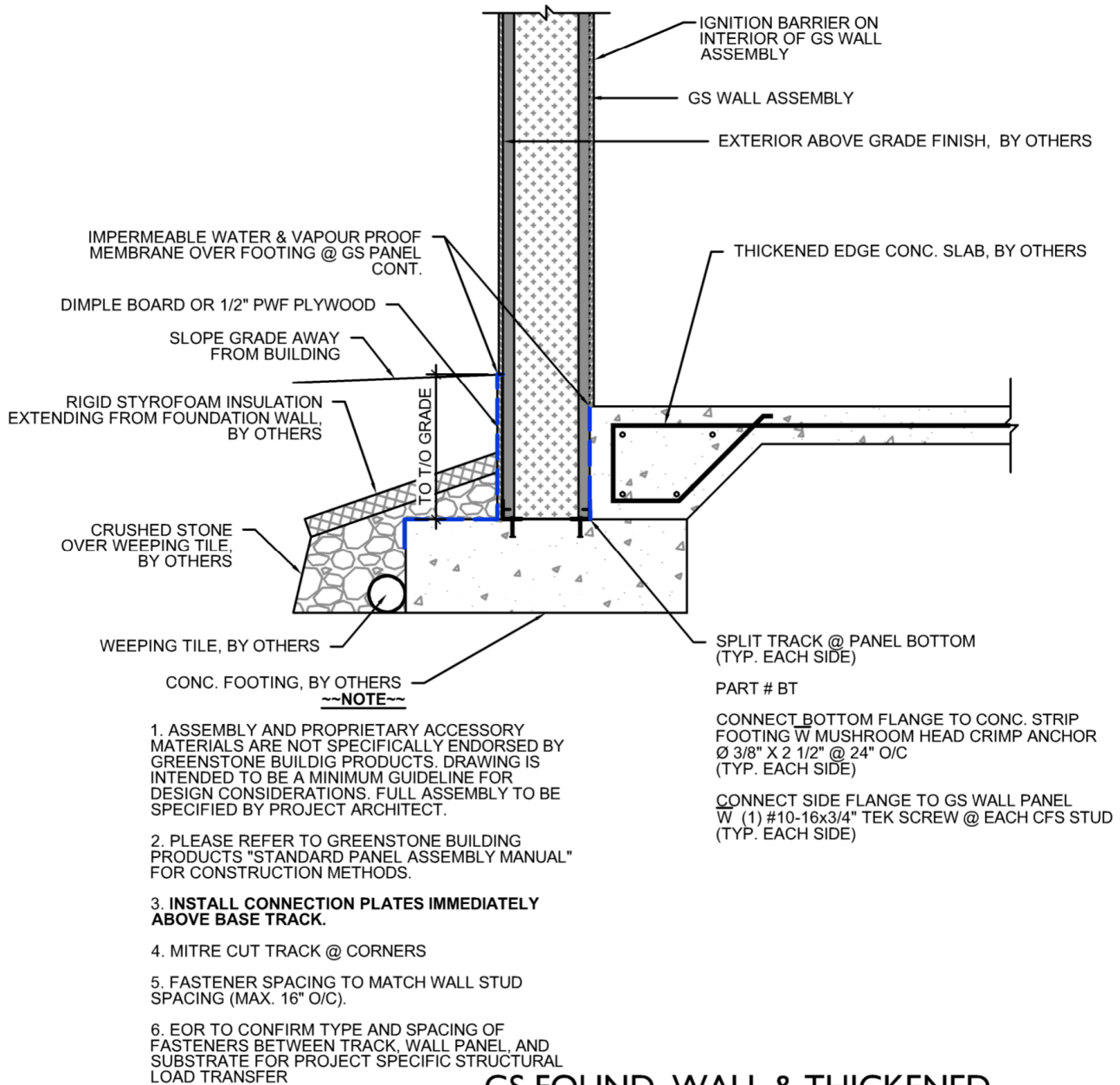
GS FOUNDATION DETAIL (DEEP BURIAL 4'-1" TO 8' DEPTH) [SECTION]

N.T.S.

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GS FOUND. WALL & THICKENED EDGE SLAB (SECTION)

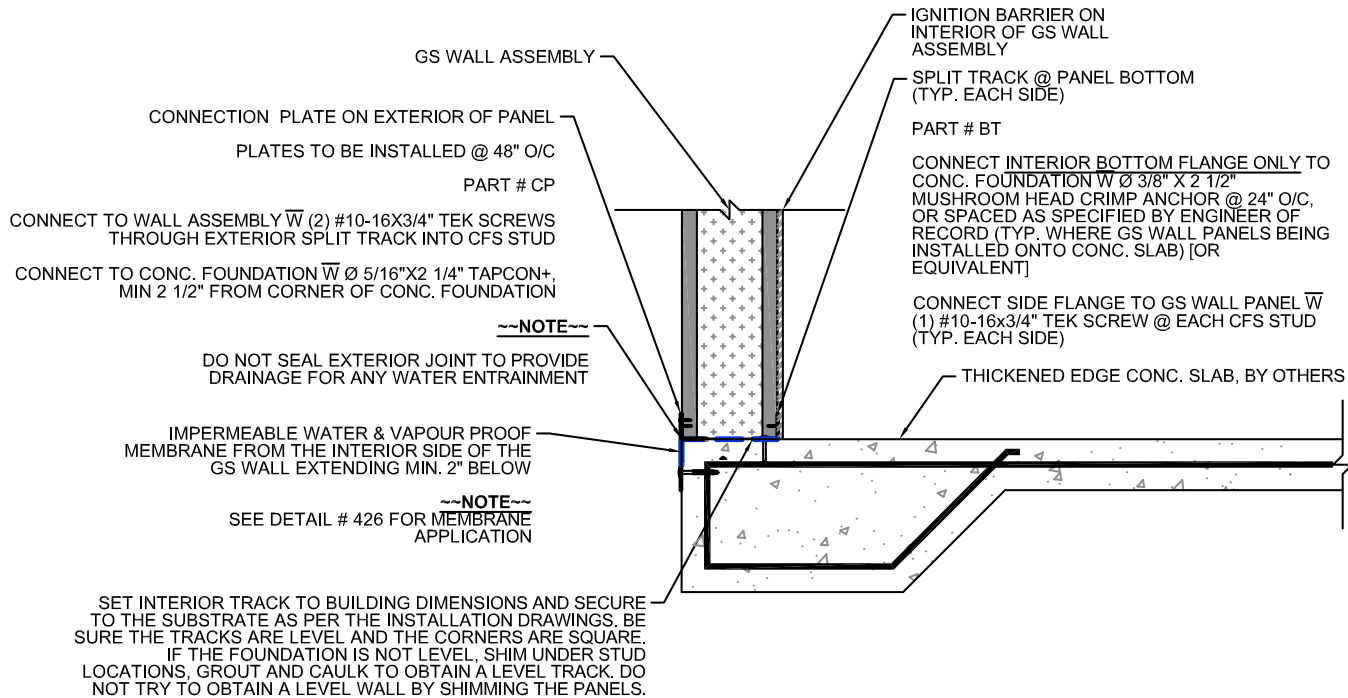
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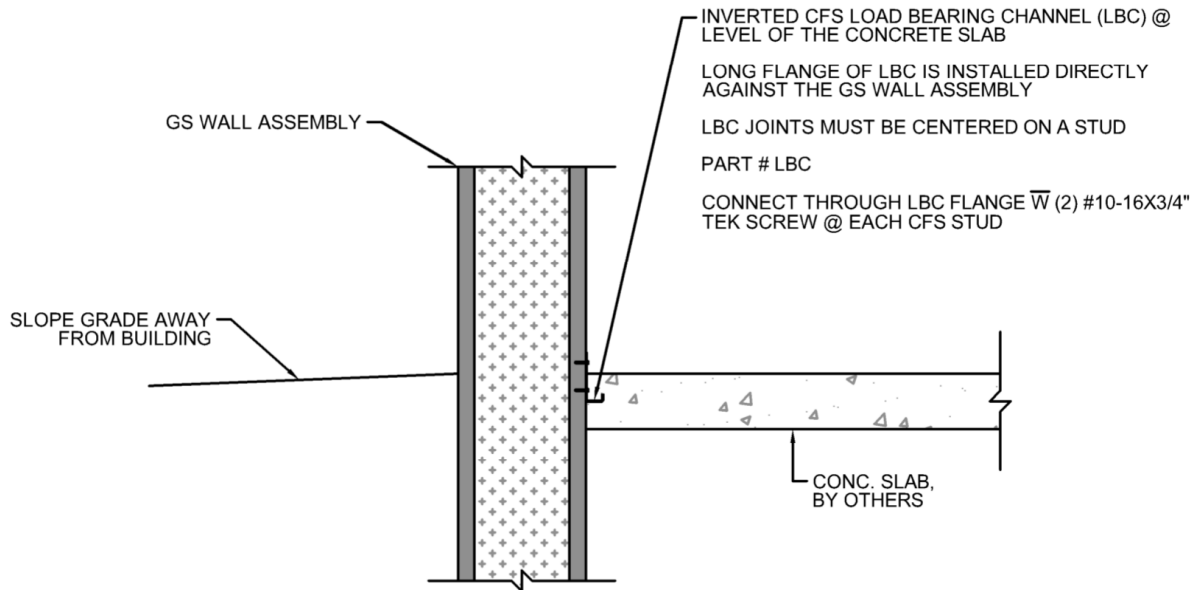
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GS BASE INSTALLATION
ONTO CONC. SLAB (SECTION)

N.T.S. 205

~~NOTE~~
FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)
EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER



**GS WALL TO CONCRETE SLAB
CONNECTION WITH LBC
(SECTION)**

N.T.S.

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~~NOTE~~

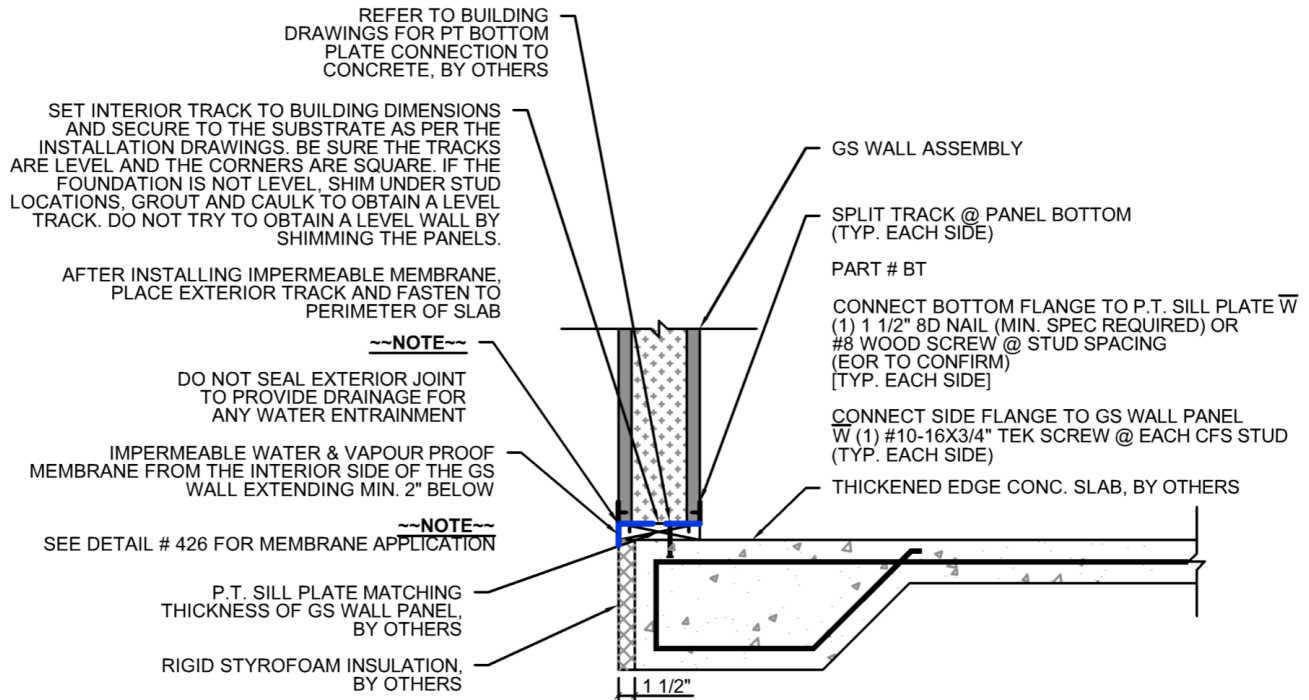
FASTENER SPACING TO MATCH
WALL STUD SPACING (MAX. 16" O/C)

FOR TO CONFIRM TYPE AND
SPACING OF FASTENERS BETWEEN
TRACK, WALL PANEL, AND
SUBSTRATE FOR PROJECT
SPECIFIC STRUCTURAL LOAD
TRANSFER

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GS SPLIT TRACK ON PT PLATE INSTALLATION ONTO CONC. SLAB (SECTION)

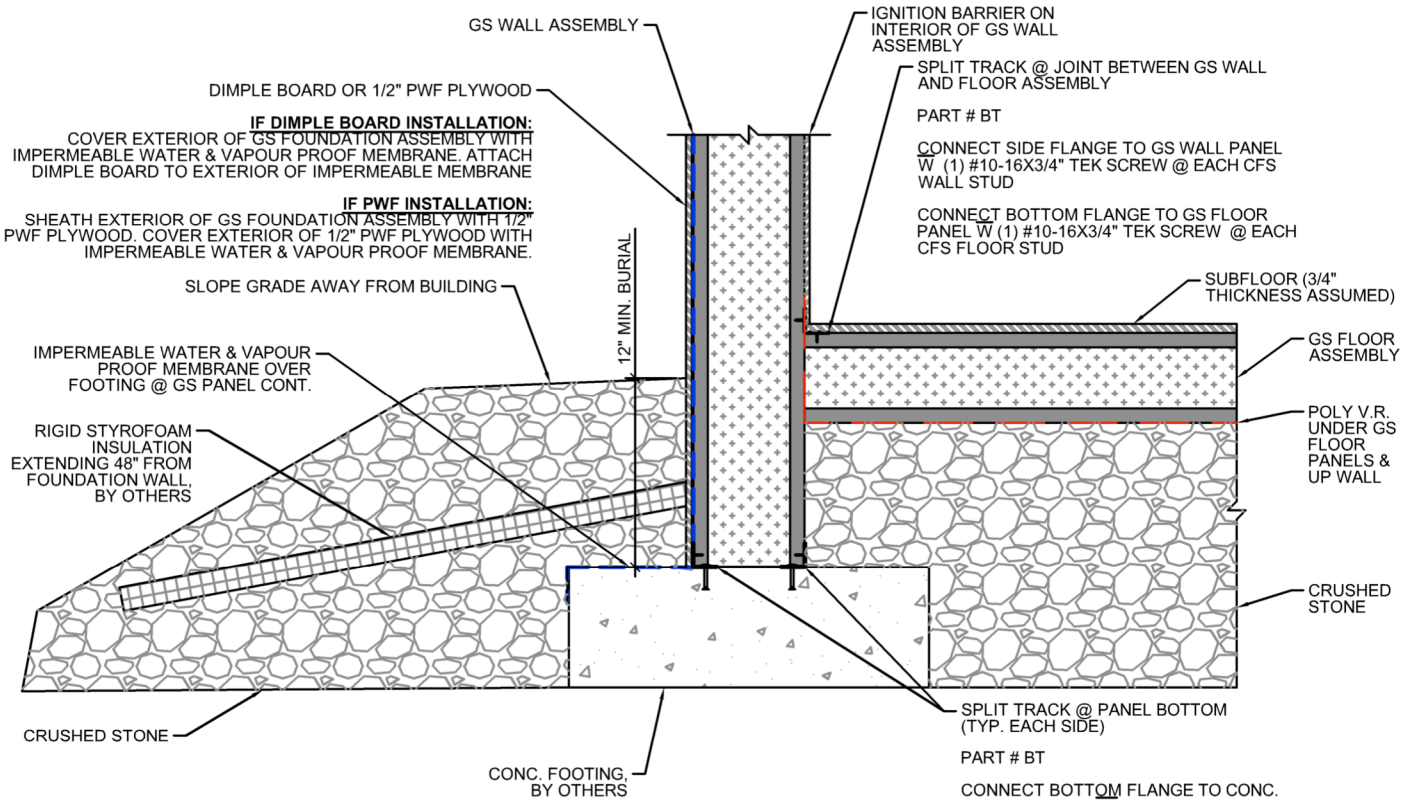
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~~NOTE~~

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER



---NOTE---

1. ASSEMBLY AND PROPRIETARY ACCESSORY MATERIALS ARE NOT SPECIFICALLY ENDORSED BY GREENSTONE BUILDING PRODUCTS. DRAWING IS INTENDED TO BE A MINIMUM GUIDELINE FOR DESIGN CONSIDERATIONS. FULL ASSEMBLY TO BE SPECIFIED BY PROJECT ARCHITECT.
2. PLEASE REFER TO GREENSTONE BUILDING PRODUCTS "STANDARD PANEL ASSEMBLY MANUAL" FOR CONSTRUCTION METHODS.
3. INSTALL CONNECTION PLATES IMMEDIATELY ABOVE BASE TRACK.
4. MITRE CUT TRACK @ CORNERS
5. FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C).
6. EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

GS FOUNDATION AND GS FLOOR ABOVE CONC. FOOTING (SECTION)

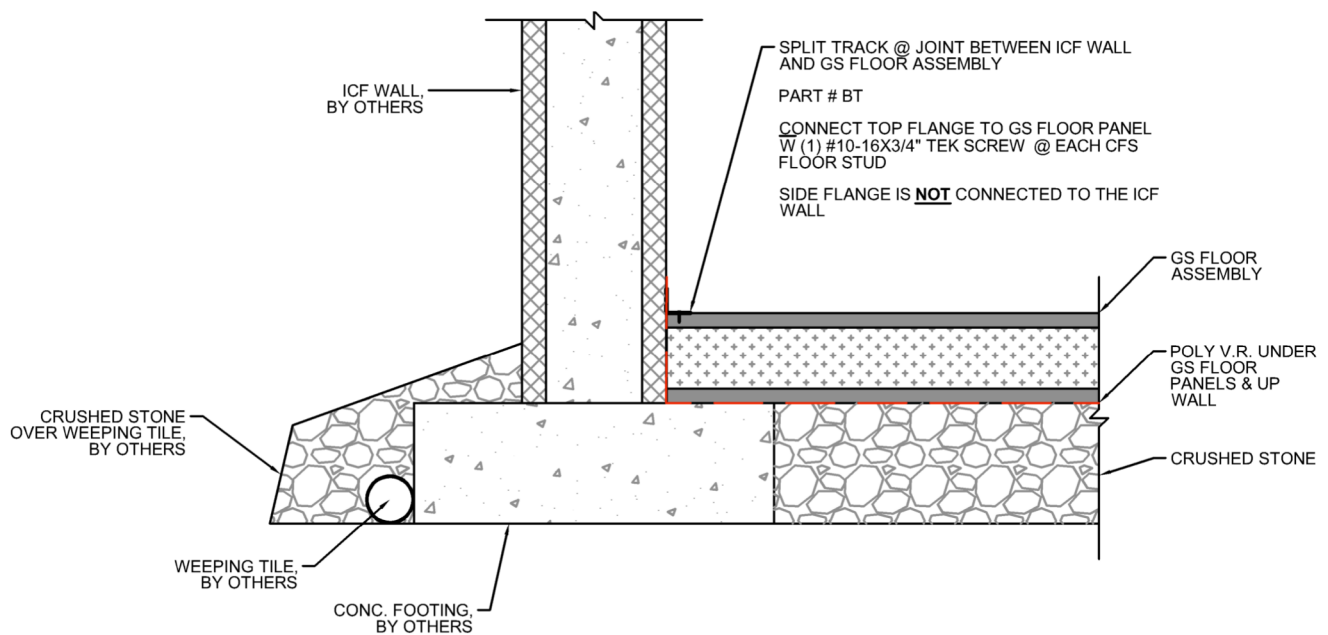
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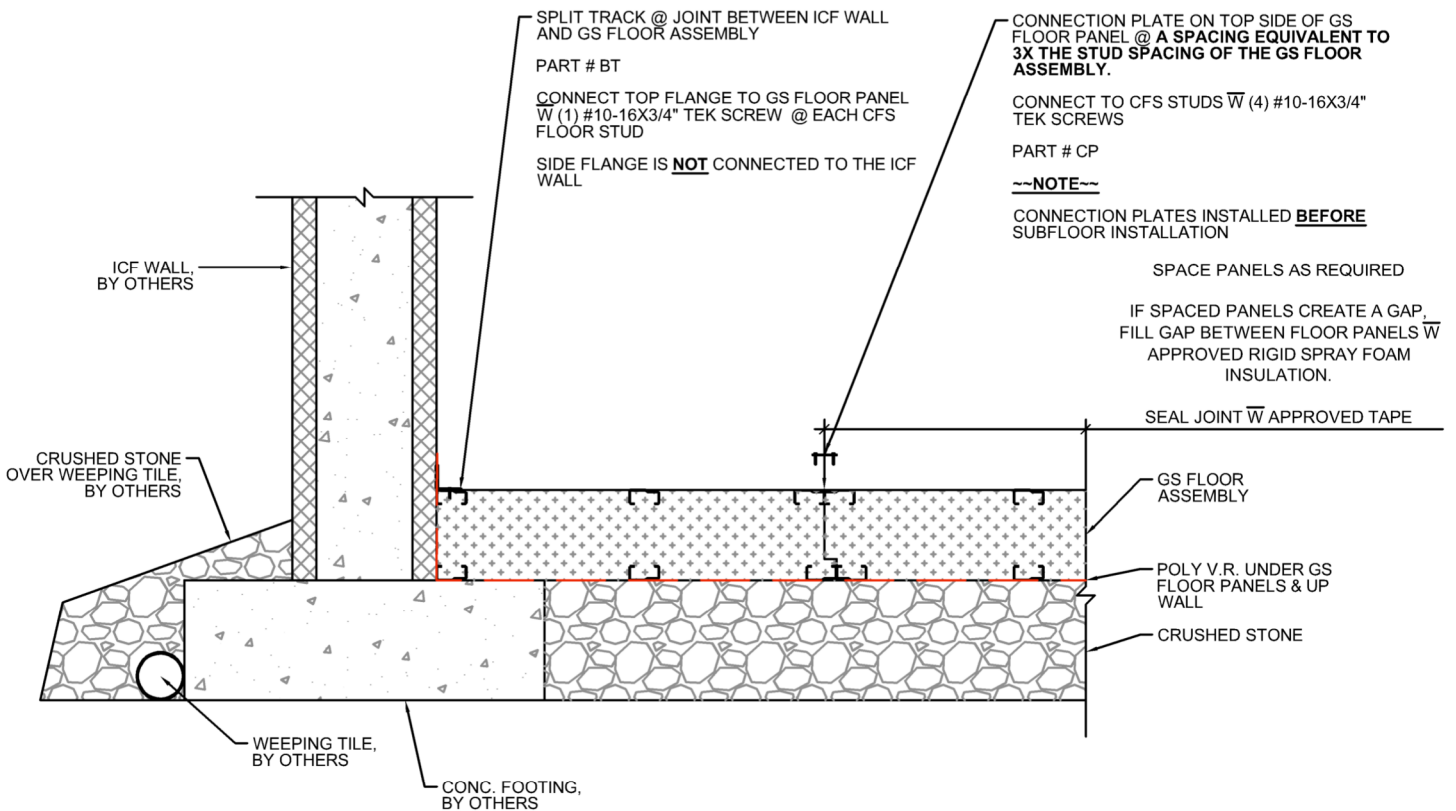
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GS FLOOR INSTALLATION ONTO CONC.
FOOTING W ICF END (SECTION)

N.T.S.

210A



GS FLOOR INSTALLATION ONTO CONC. FOOTING W ICF FND (SECTION)

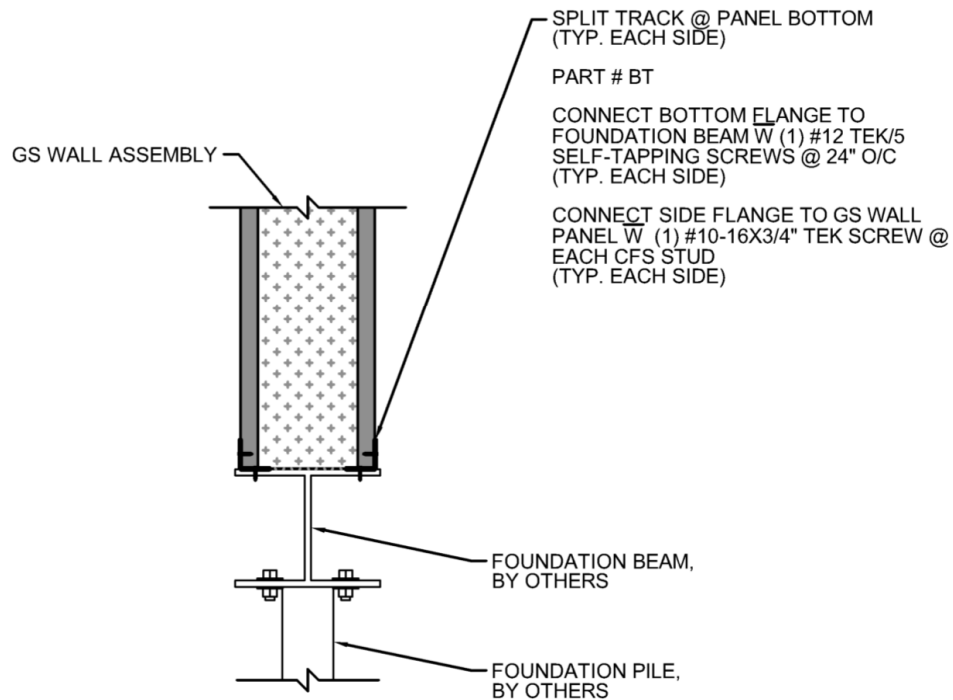
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STANDARD CONNECTION DETAILS

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GS WALL ASSEMBLY ONTO FOUNDATION BEAM (@ EXT. WALL) [SECTION]

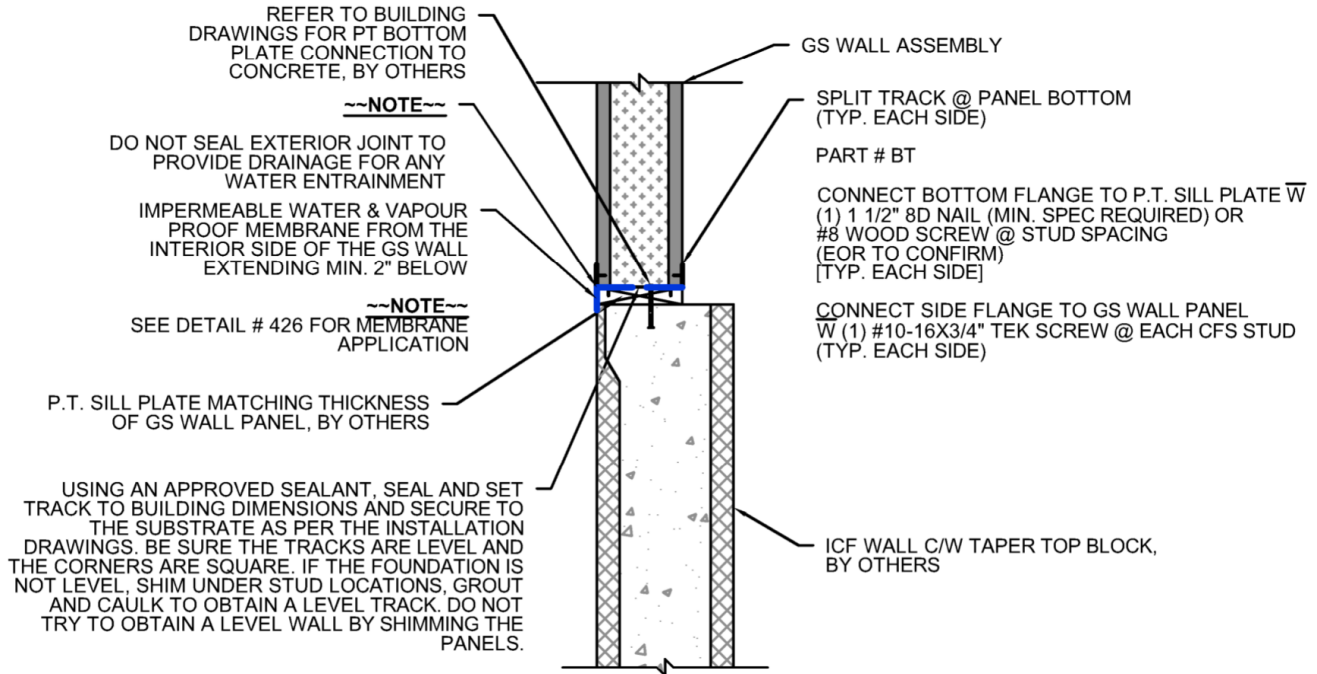
N.T.S.

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~~NOTE~~

FASTENER SPACING TO MATCH WALL
STUD SPACING (MAX. 16\"/>

EOR TO CONFIRM TYPE AND SPACING OF
FASTENERS BETWEEN TRACK, WALL
PANEL, AND SUBSTRATE FOR PROJECT
SPECIFIC STRUCTURAL LOAD TRANSFER



GS SPLIT TRACK ON PT PLATE INSTALLATION ONTO ICF (SECTION)

N.T.S.

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~NOTE~

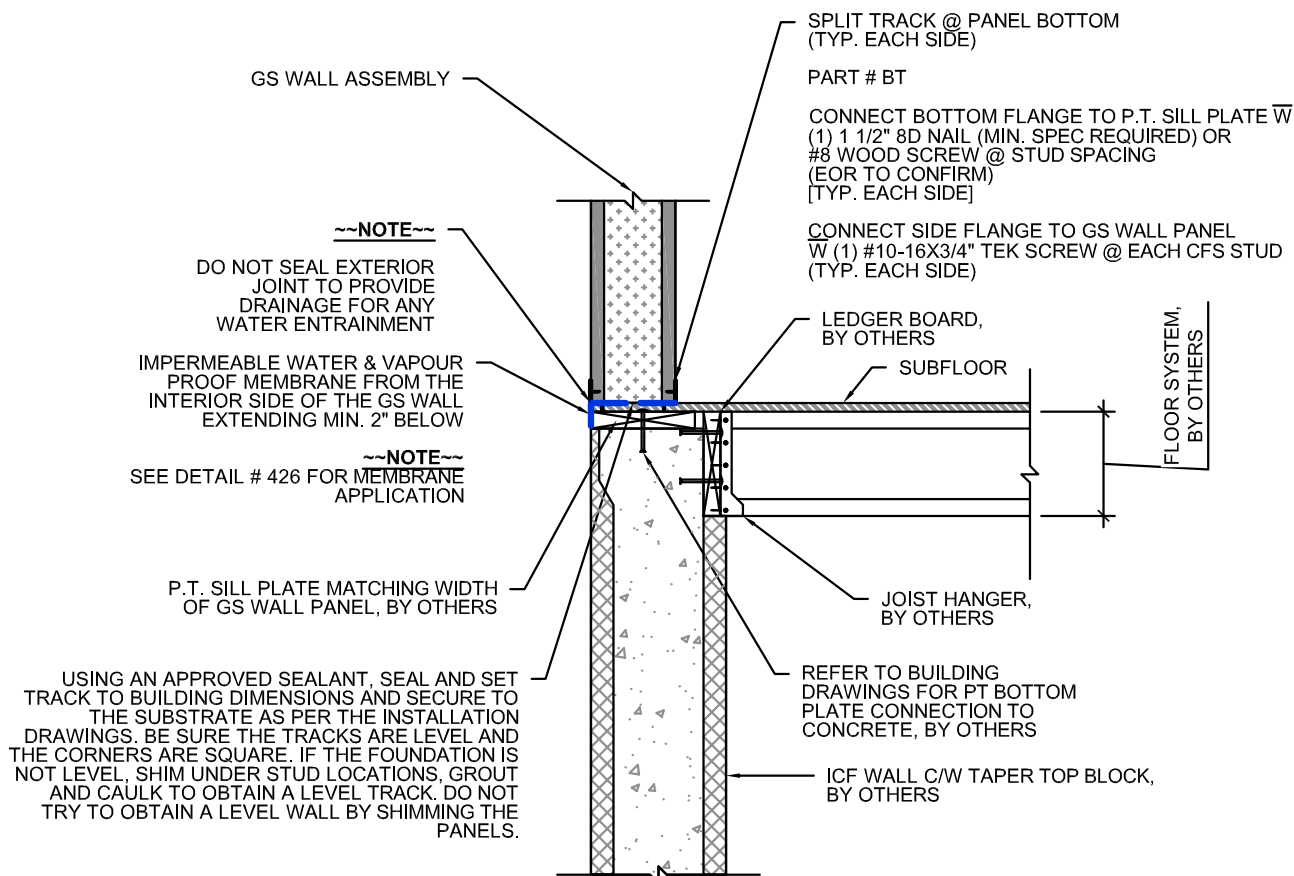
FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

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GS SPLIT TRACK ON PT PLATE INSTALLATION ONTO ICF (SECTION)

N.T.S.

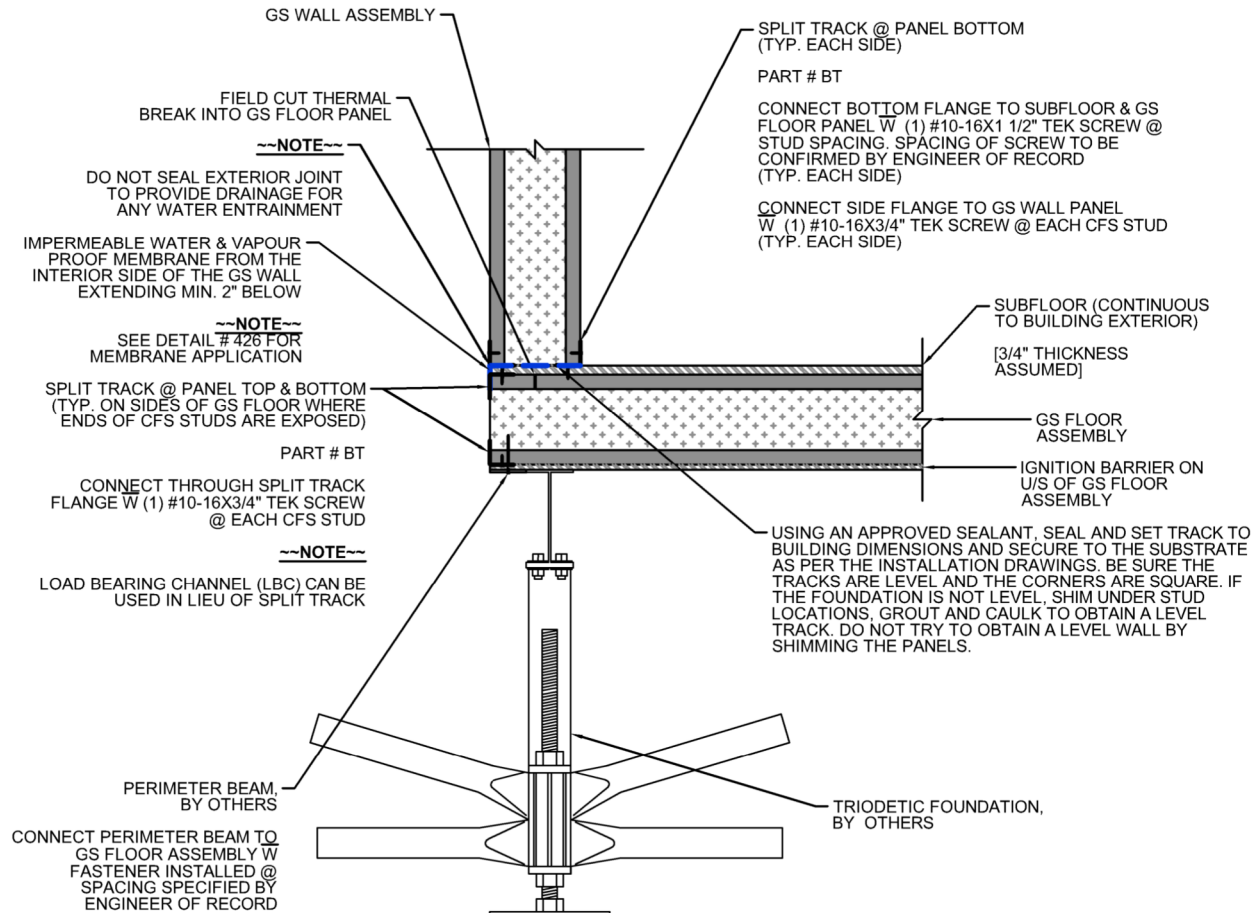
223

~~NOTE~~

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

EOR TO CONFIRM CONNECTORS AND FASTENERS MEET DESIGN INTENT AND CAN TRANSFER APPLIED LOADS AS REQUIRED.



**GS ASSEMBLY ONTO TRIODETIC
FOUNDATION (@ EXT. WALL W
CONTINUOUS SUBFLOOR) [SECTION]**

N.T.S.

241

~NOTE~

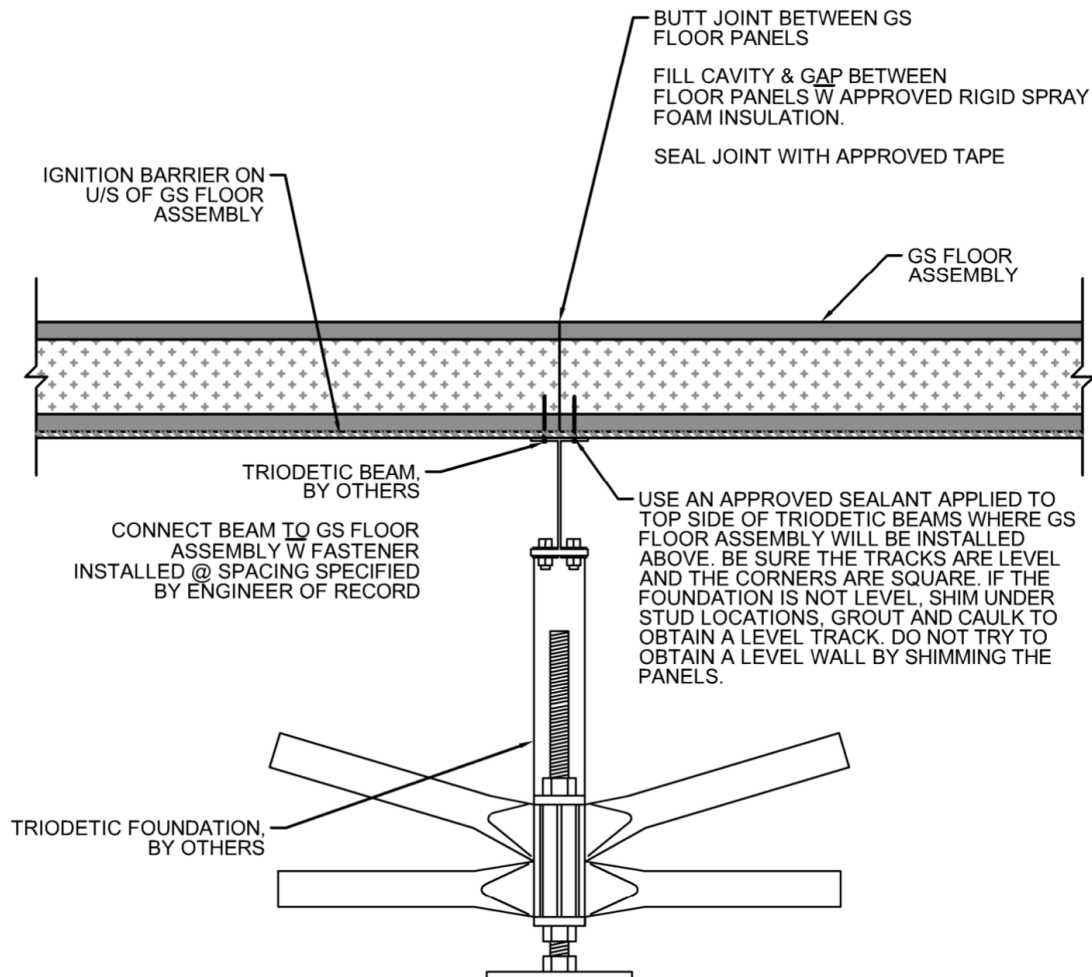
FASTENER SPACING TO MATCH WALL STUD
SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF
FASTENERS BETWEEN TRACK, WALL PANEL, AND
SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL
LOAD TRANSFER

STANDARD CONNECTION DETAILS

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GS ASSEMBLY ONTO TRIODETIC FOUNDATION (FLOOR BUTT JOINT) [SECTION]

N.T.S.

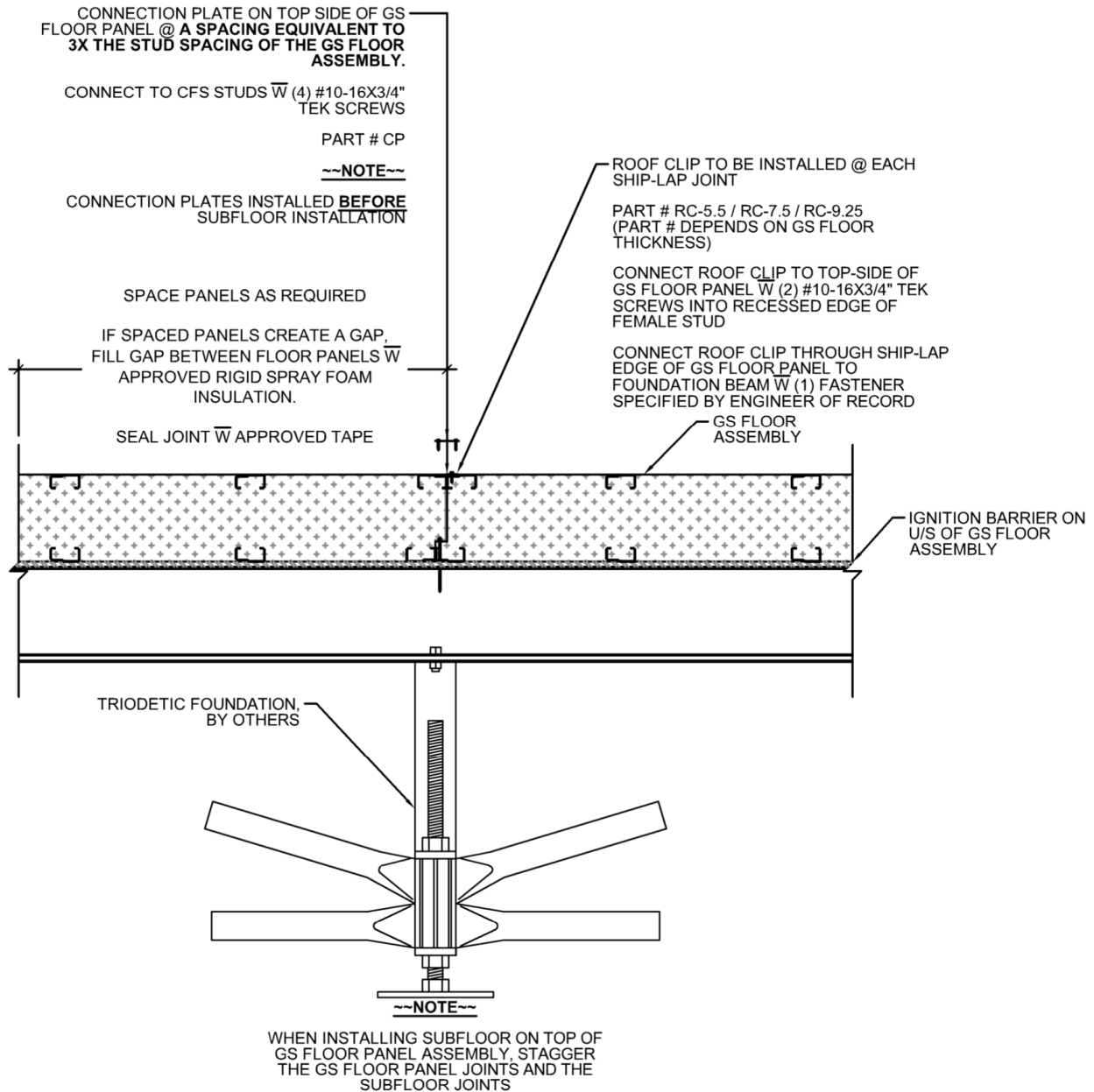
242

~~NOTE~~

WHEN INSTALLING SUBFLOOR ON TOP OF GS FLOOR PANEL ASSEMBLY, STAGGER THE GS FLOOR PANEL JOINTS AND THE SUBFLOOR JOINTS

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER



**GS ASSEMBLY ONTO
TRIODETIC FOUNDATION
(SHIP-LAP JOINT) [SECTION]**

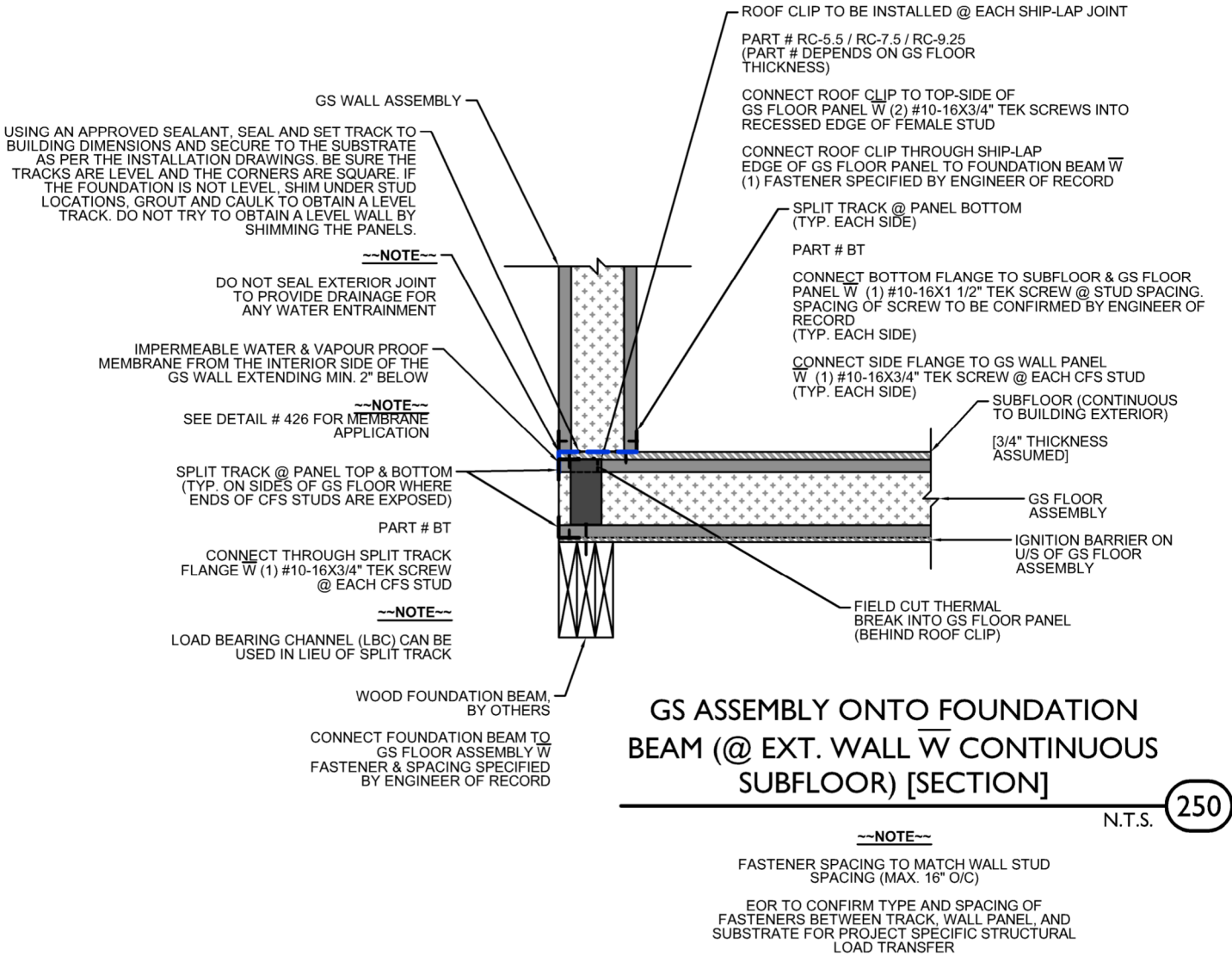
N.T.S.

243

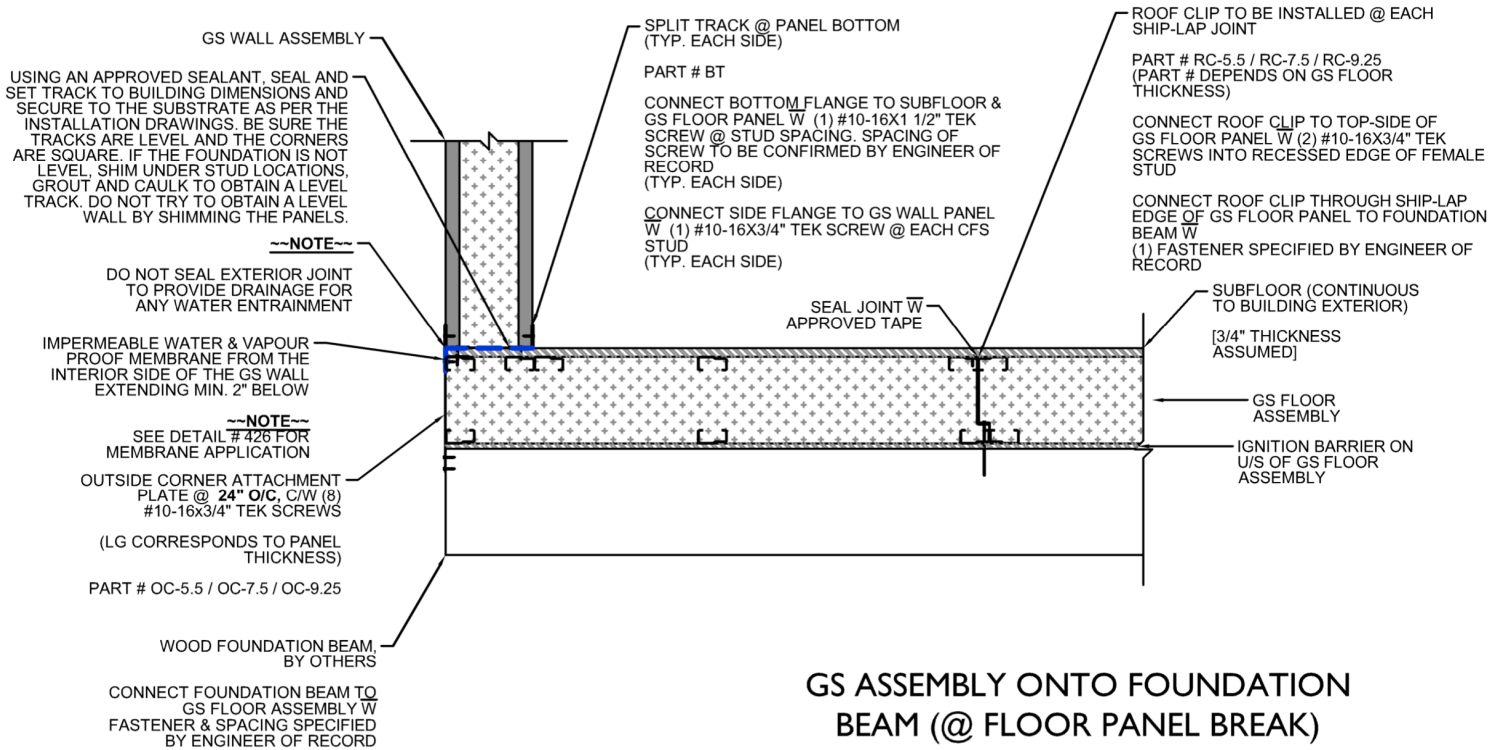
STANDARD CONNECTION DETAILS

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N.T.S. 250



GS ASSEMBLY ONTO FOUNDATION BEAM (@ FLOOR PANEL BREAK)
[SECTION]

N.T.S.

251

~NOTE~

WHEN INSTALLING SUBFLOOR ON TOP OF GS FLOOR PANEL ASSEMBLY, STAGGER THE GS FLOOR PANEL JOINTS AND THE SUBFLOOR JOINTS

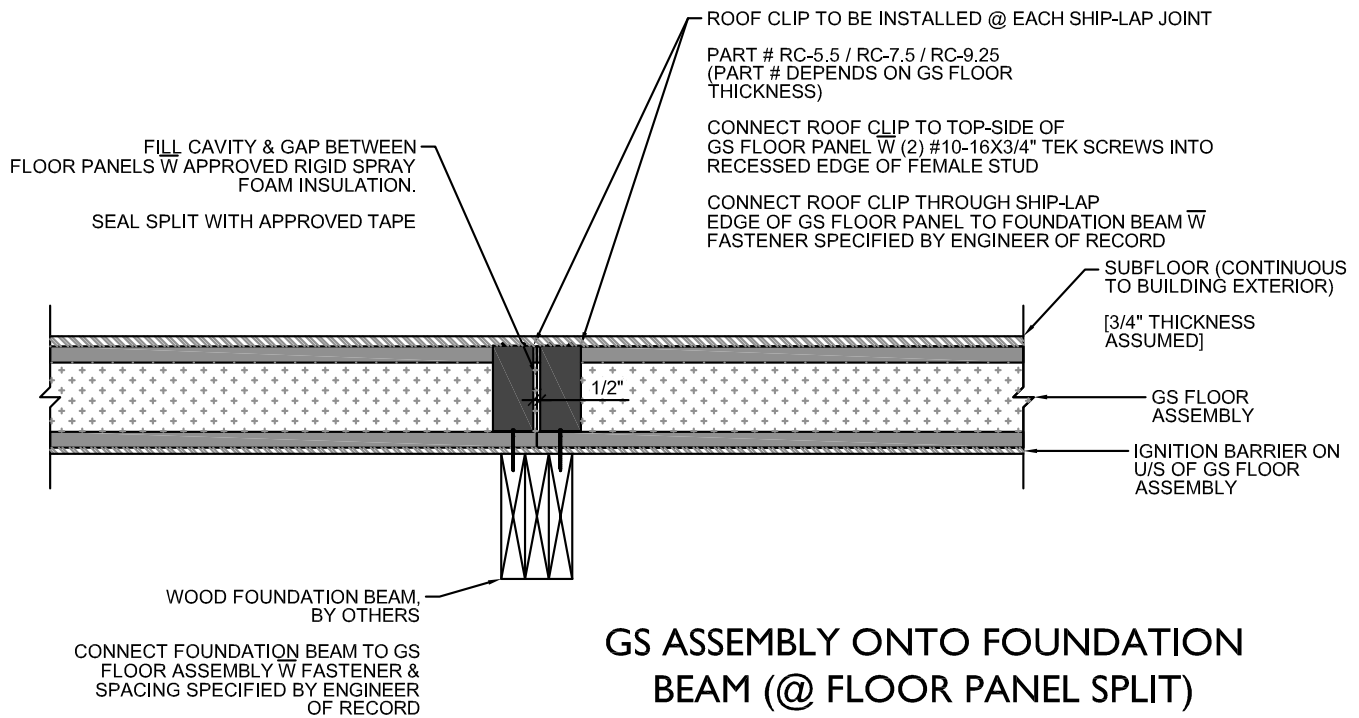
FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

STANDARD CONNECTION DETAILS

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GS ASSEMBLY ONTO FOUNDATION BEAM (@ FLOOR PANEL SPLIT) [SECTION]

N.T.S.

252

~~NOTE~~

WHEN INSTALLING SUBFLOOR ON TOP OF GS FLOOR PANEL ASSEMBLY, STAGGER THE GS FLOOR PANEL JOINTS AND THE SUBFLOOR JOINTS

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

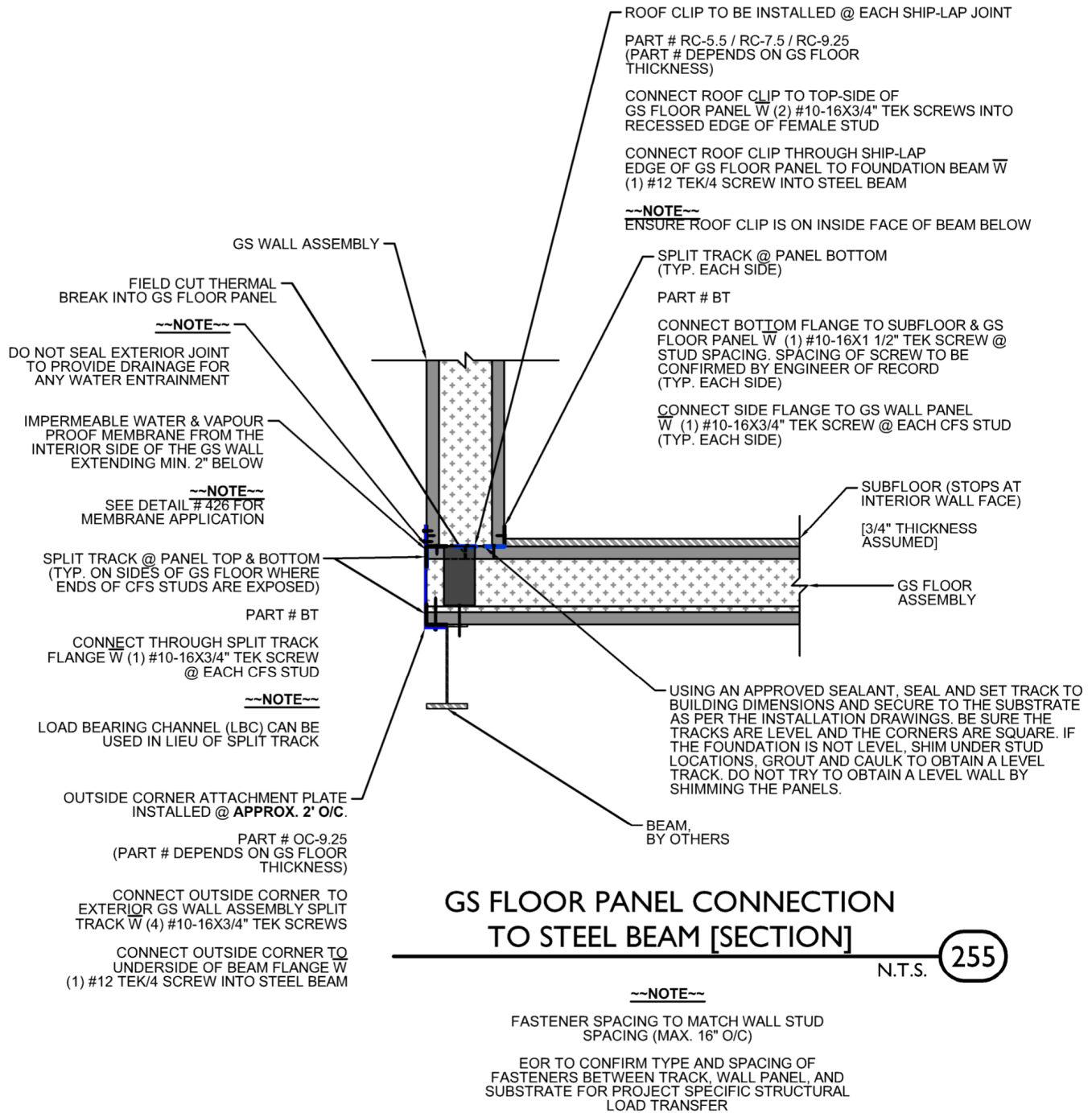


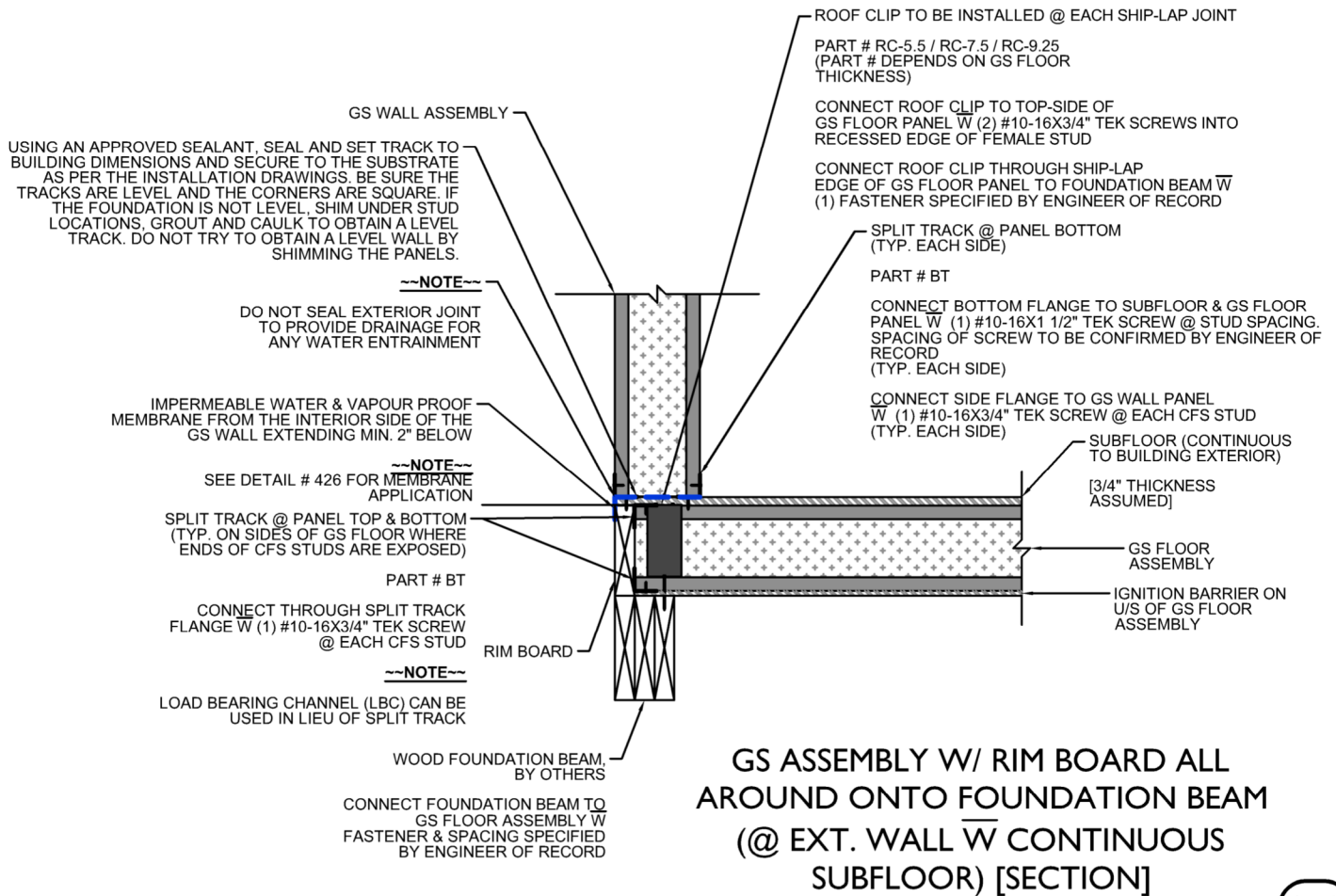
EOR TO CONFIRM TYPE AND SPACING OF
FASTENERS BETWEEN TRACK, WALL
PANEL, AND SUBSTRATE FOR PROJECT
SPECIFIC STRUCTURAL LOAD TRANSFER

STANDARD CONNECTION DETAILS

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N.T.S.

256

~NOTE~

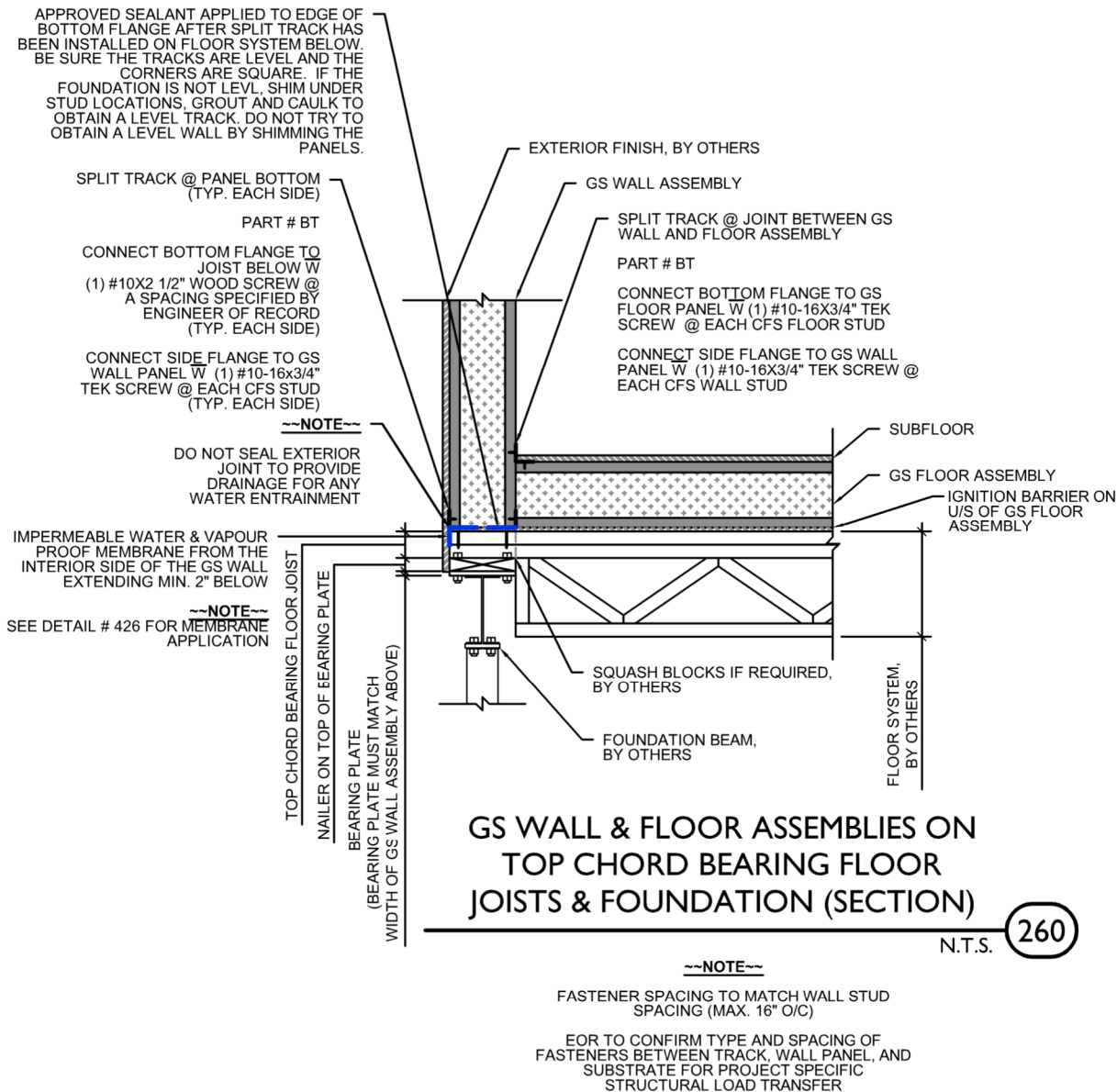
FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

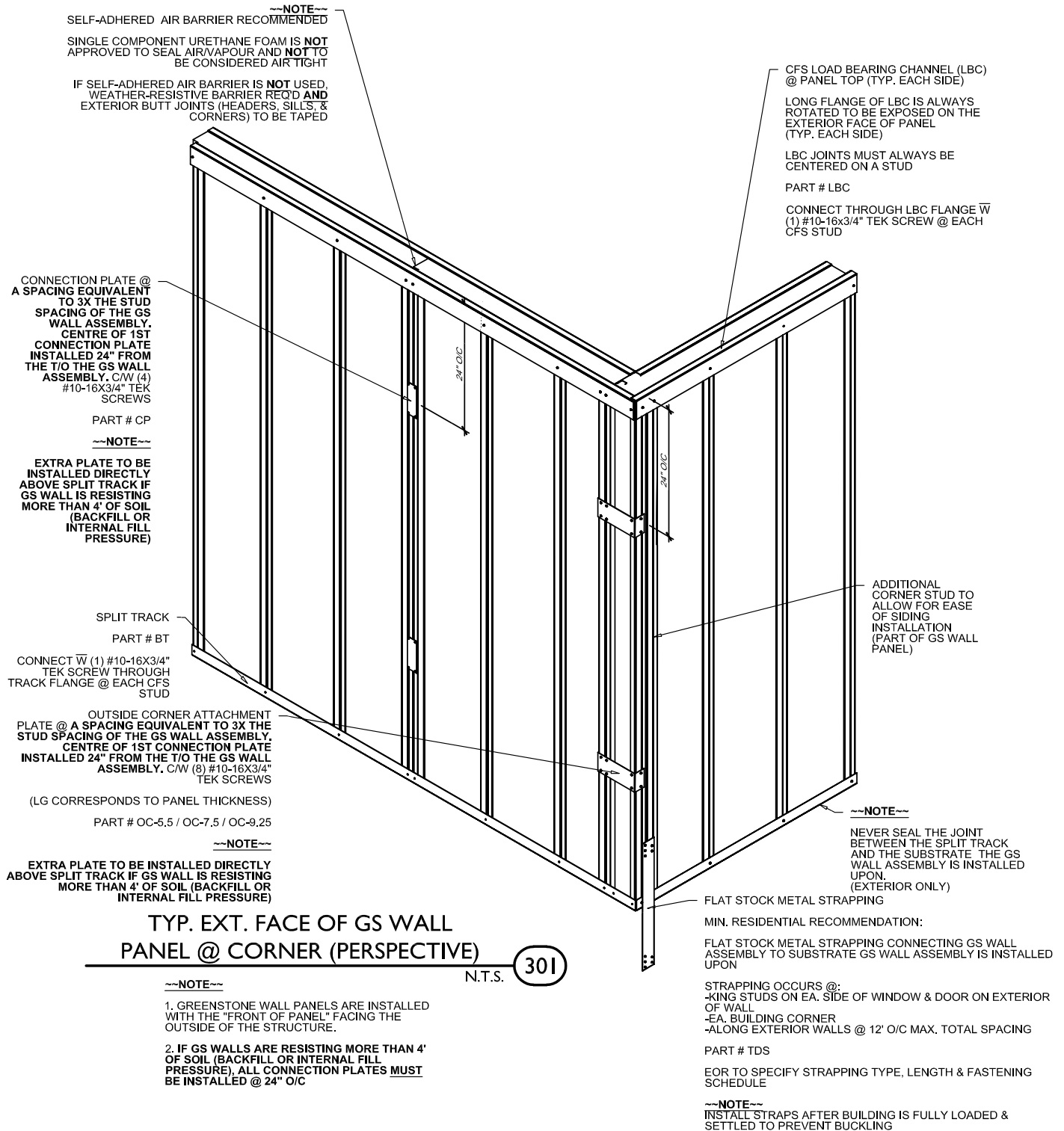
EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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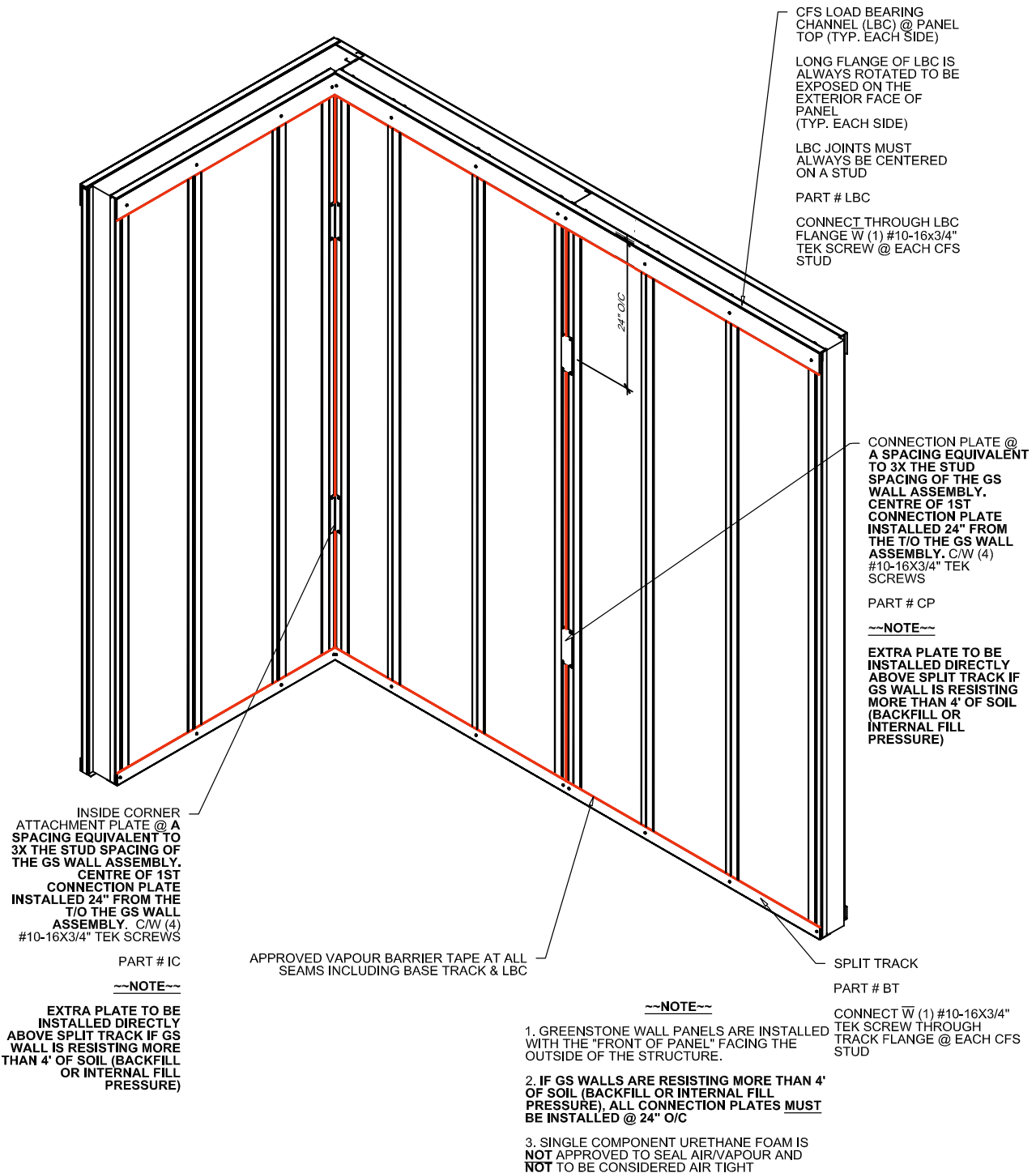




STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

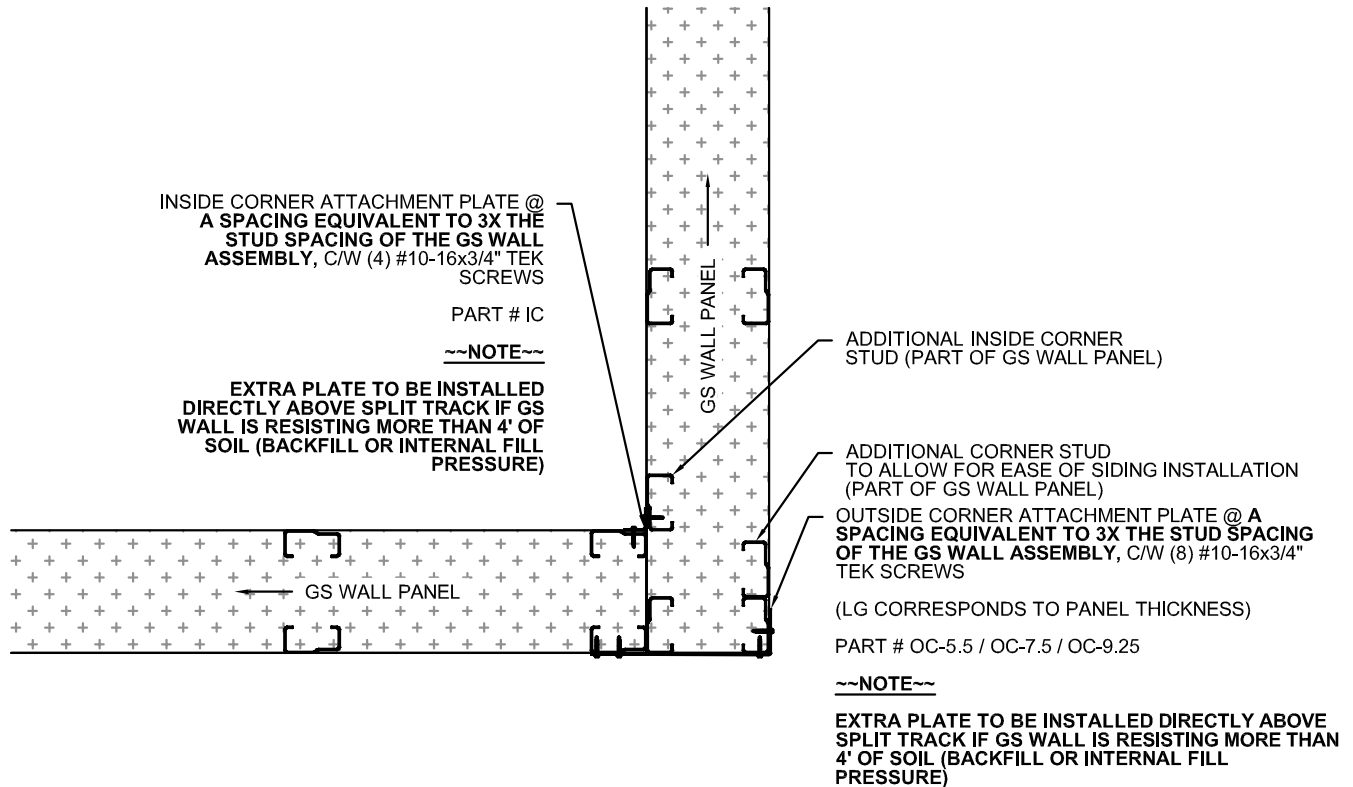
GSBP.CA | GREENSTONE BUILDING PRODUCTS



TYP. INT. FACE OF GS WALL
PANEL @ CORNER (PERSPECTIVE)

N.T.S.

302



~~NOTE~~

1. IF GS WALLS ARE RESISTING MORE THAN 4' OF SOIL (BACKFILL OR INTERNAL FILL PRESSURE), ALL CONNECTION PLATES MUST BE INSTALLED @ 24" O/C

2. SINGLE COMPONENT URETHANE FOAM IS NOT APPROVED TO SEAL AIR/VAPOUR AND NOT TO BE CONSIDERED AIR TIGHT

90° CORNER (PLAN)

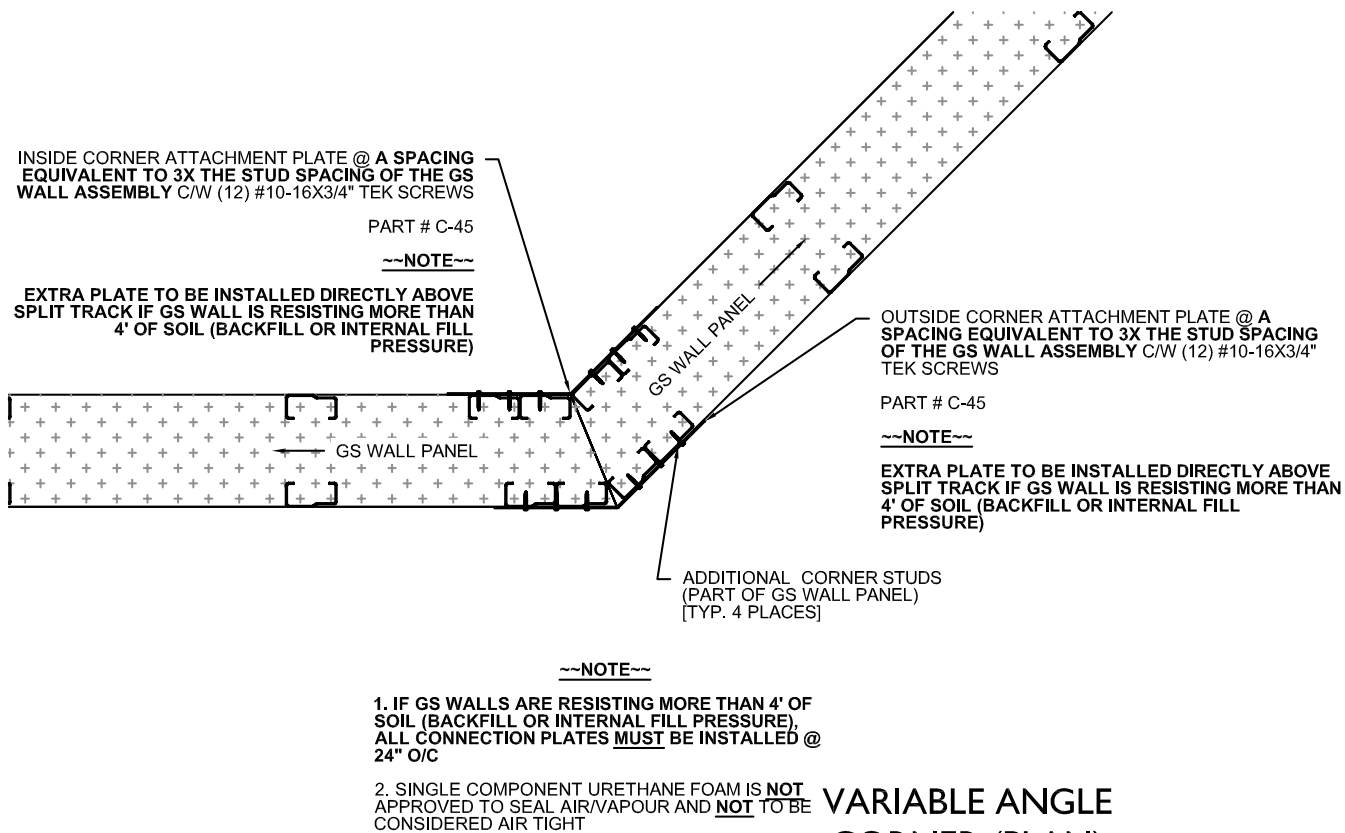
N.T.S.

303

STANDARD CONNECTION DETAILS

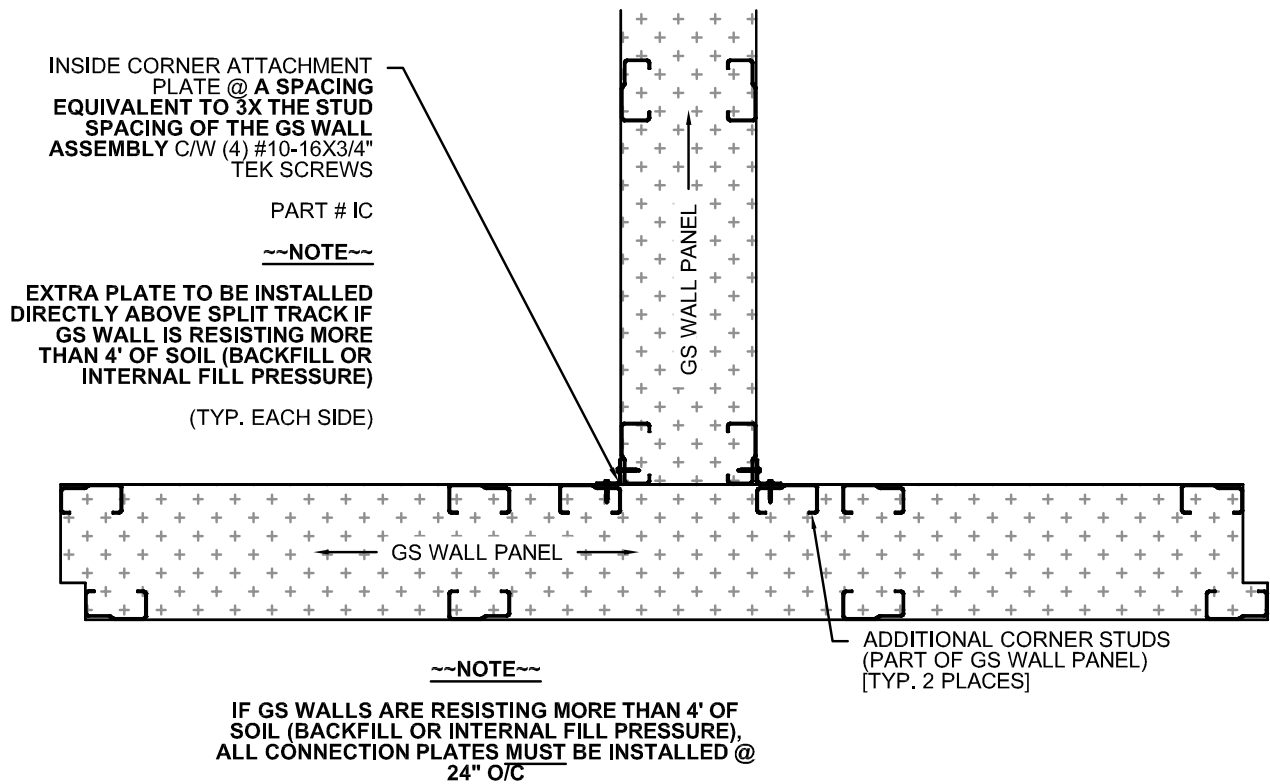
2025.03.04 | LATEST REVISION

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VARIABLE ANGLE
CORNER (PLAN)

N.T.S. 304



GS WALL INTERSECTION (PLAN)

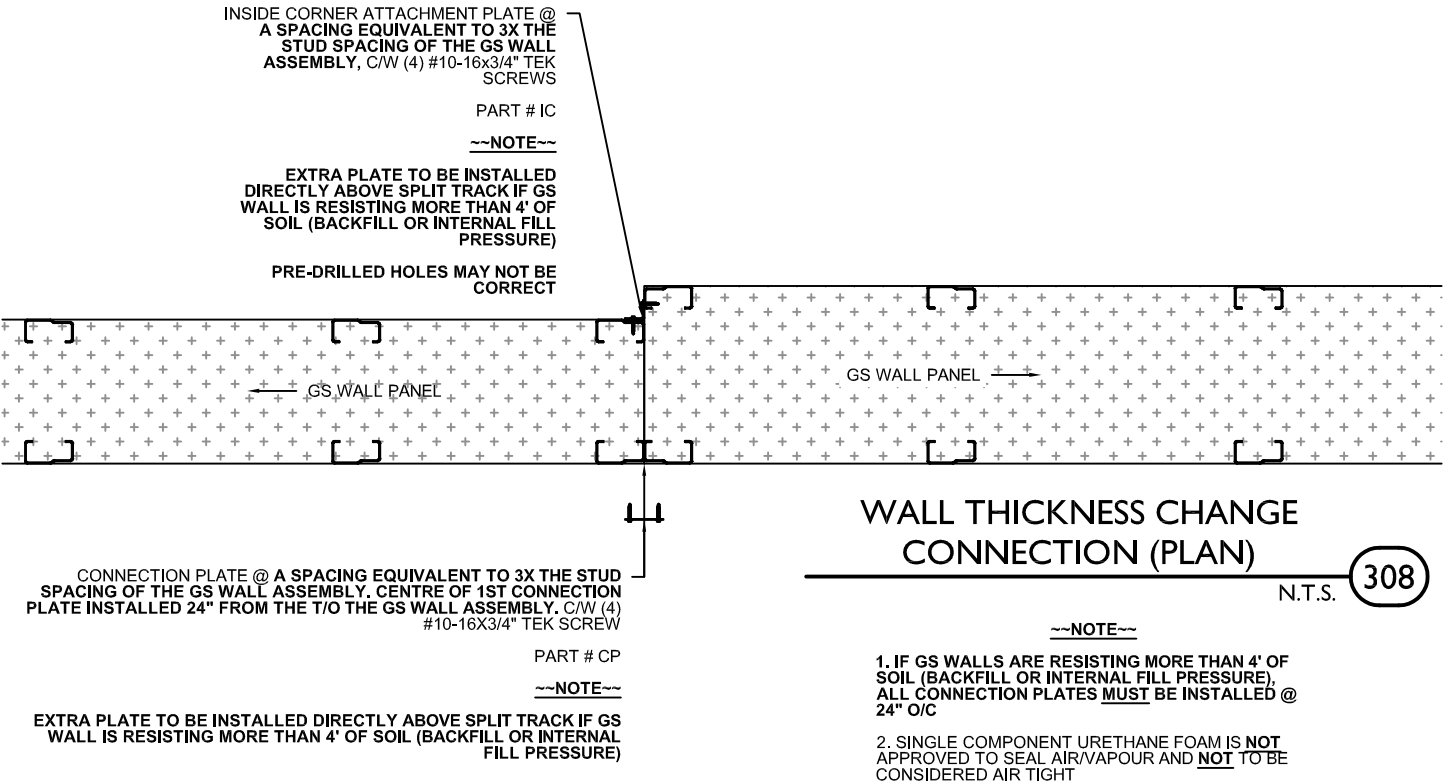
N.T.S.

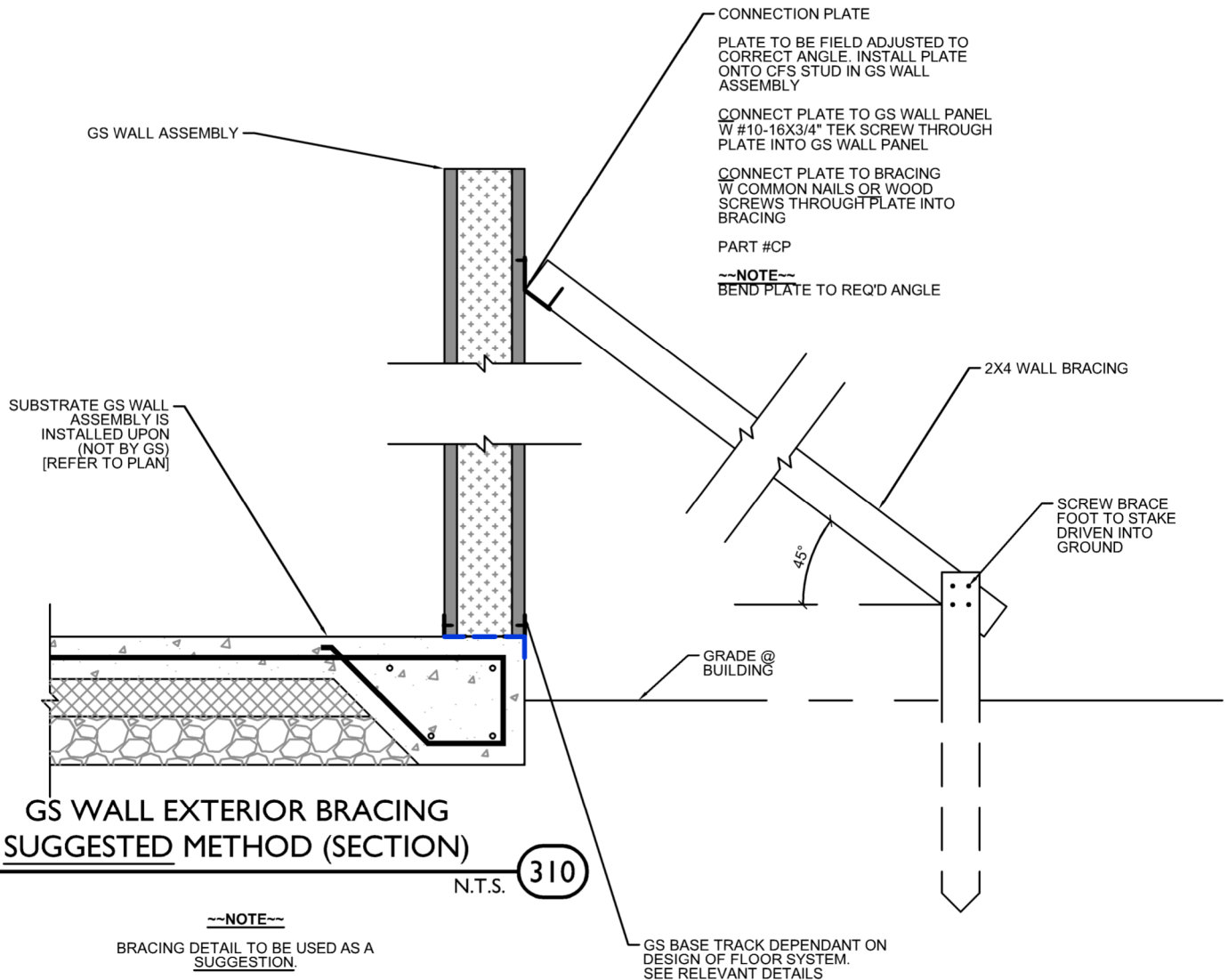
306

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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~~NOTE~~

BRACING DETAIL TO BE USED AS A SUGGESTION.

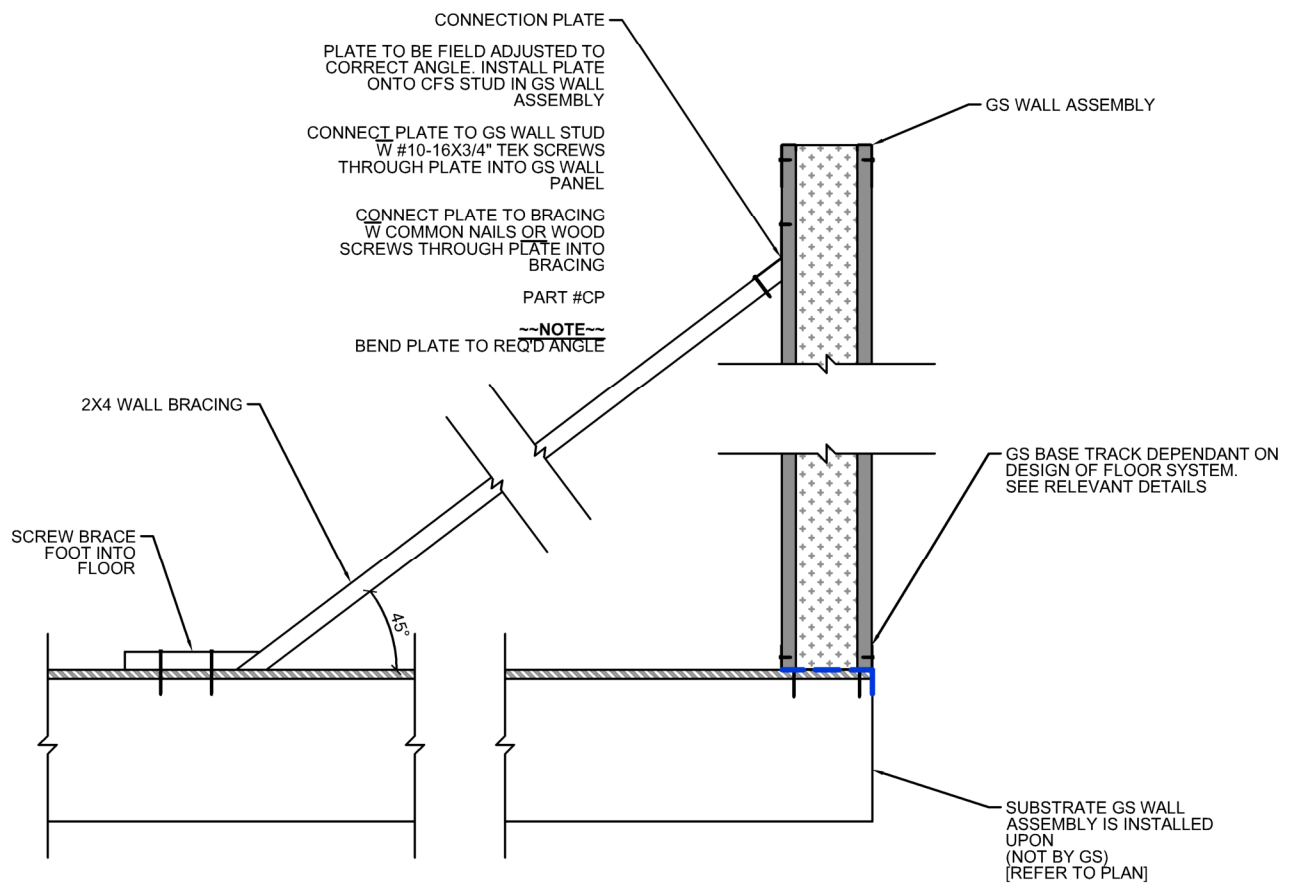
EOR AND GENERAL CONTRACTOR ARE RESPONSIBLE FOR PROVIDING ADEQUATE BRACING.

GS ACCEPTS NO RESPONSIBILITY FOR BRACING METHODS PRACTICED IN THE FIELD.

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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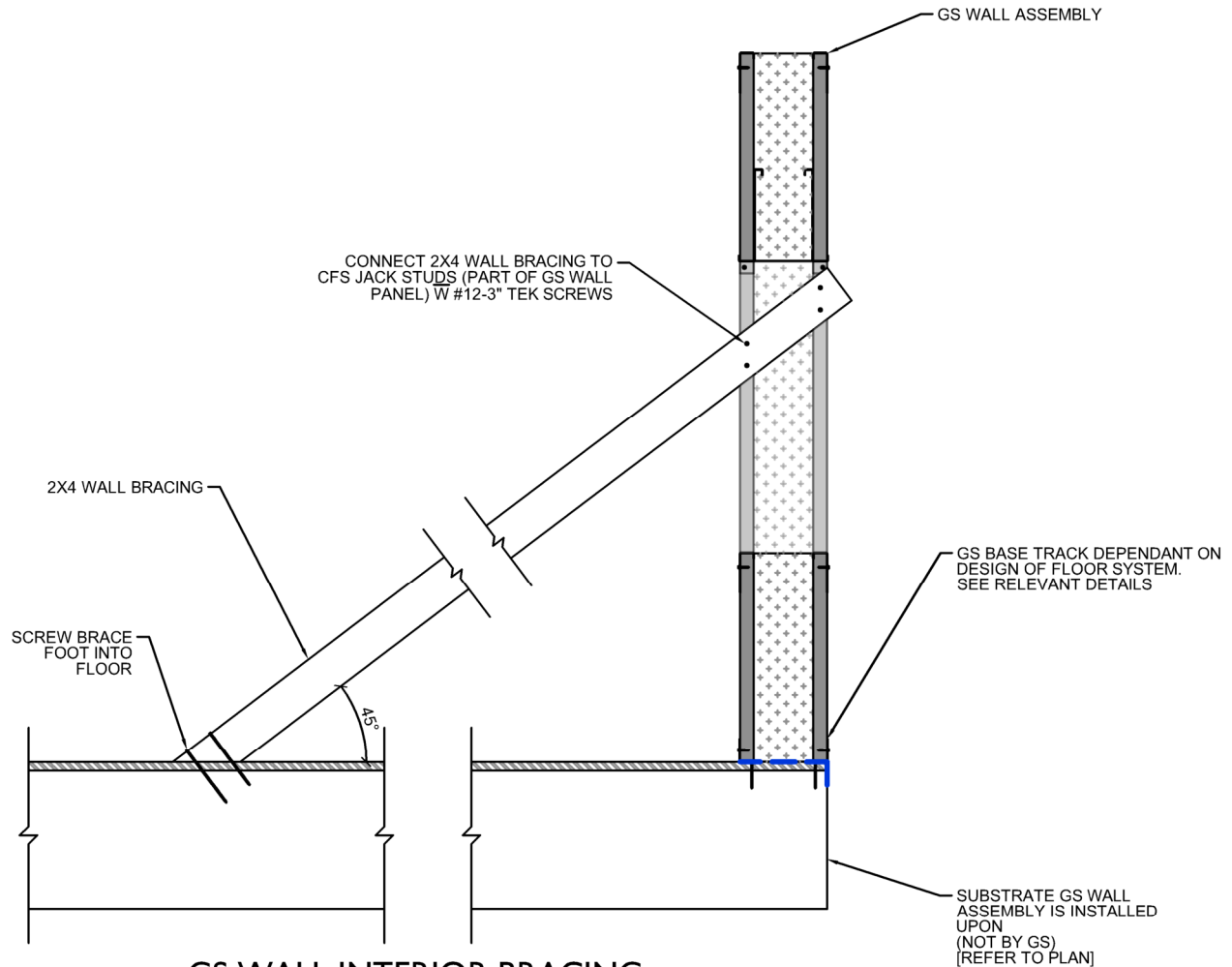
GS WALL INTERIOR BRACING
SUGGESTED METHOD (SECTION)

N.T.S. 311A

~~NOTE~~

BRACING
DETAIL TO BE USED AS A
SUGGESTION.
EOR AND GENERAL CONTRACTOR ARE
RESPONSIBLE FOR PROVIDING ADEQUATE
BRACING.
GS ACCEPTS NO RESPONSIBILITY FOR
BRACING METHODS PRACTICED IN THE FIELD.

~~NOTE~~
DETAIL ONLY APPLIES TO
INSTALLING BRACING
ONTO FLOORS W NO
CONCRETE COMPONENT
IF USING A CONCRETE
FLOOR SEE CXN DETAIL
#310



GS WALL INTERIOR BRACING SUGGESTED METHOD (SECTION)

N.T.S.

311B

~~NOTE~~

BRACING DETAIL TO BE USED AS A
SUGGESTION.

EOR AND GENERAL CONTRACTOR ARE
RESPONSIBLE FOR PROVIDING ADEQUATE
BRACING.

GS ACCEPTS NO RESPONSIBILITY FOR
BRACING METHODS PRACTICED IN THE FIELD.

~~NOTE~~

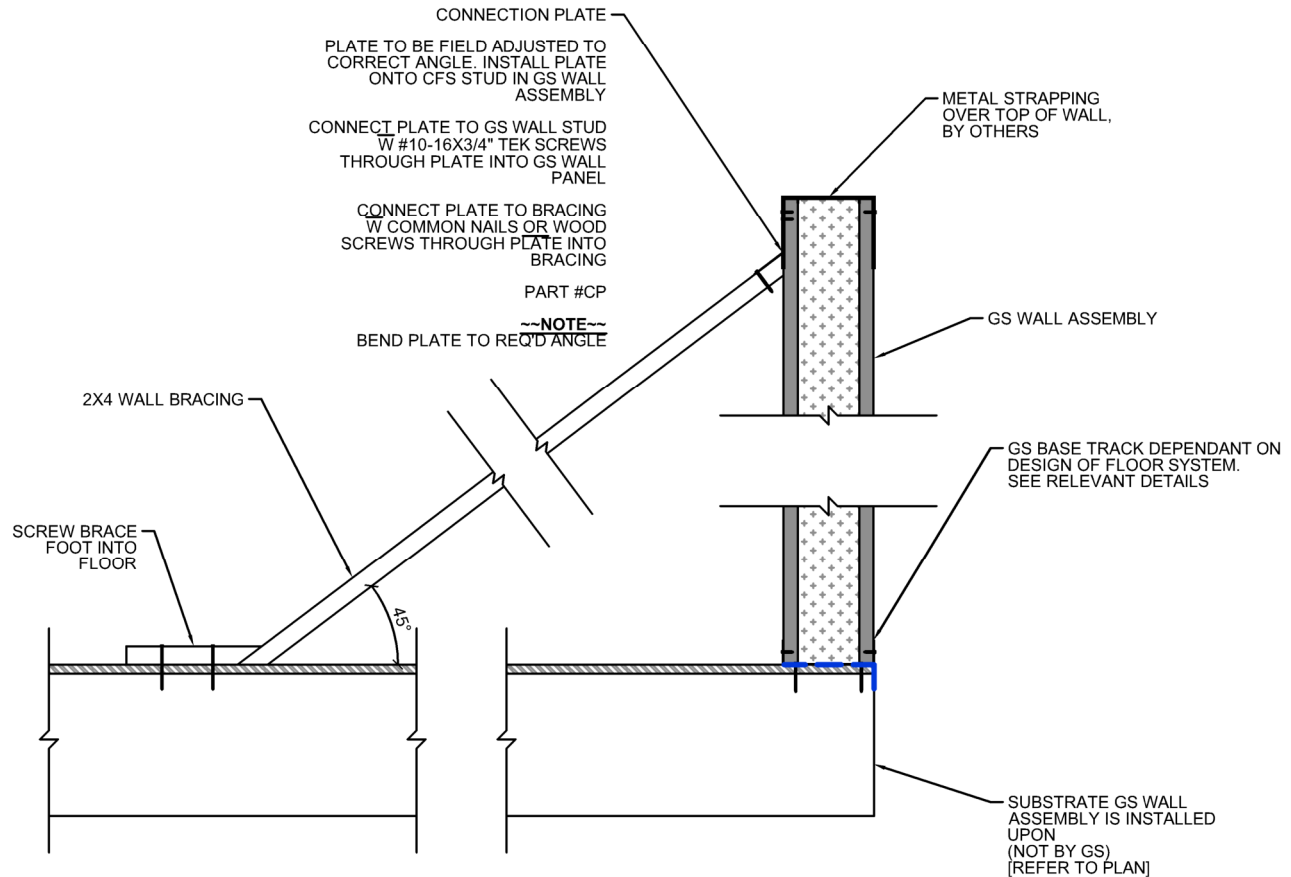
DETAIL ONLY APPLIES TO
INSTALLING BRACING
ONTO FLOORS W NO
CONCRETE COMPONENT

IF USING A CONCRETE
FLOOR SEE CXN DETAIL
#310

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

GSBP.CA | GREENSTONE BUILDING PRODUCTS



GS WALL INTERIOR BRACING SUGGESTED METHOD (SECTION)

N.T.S.

311C

~~NOTE~~

BRACING DETAIL TO BE USED AS A
SUGGESTION.

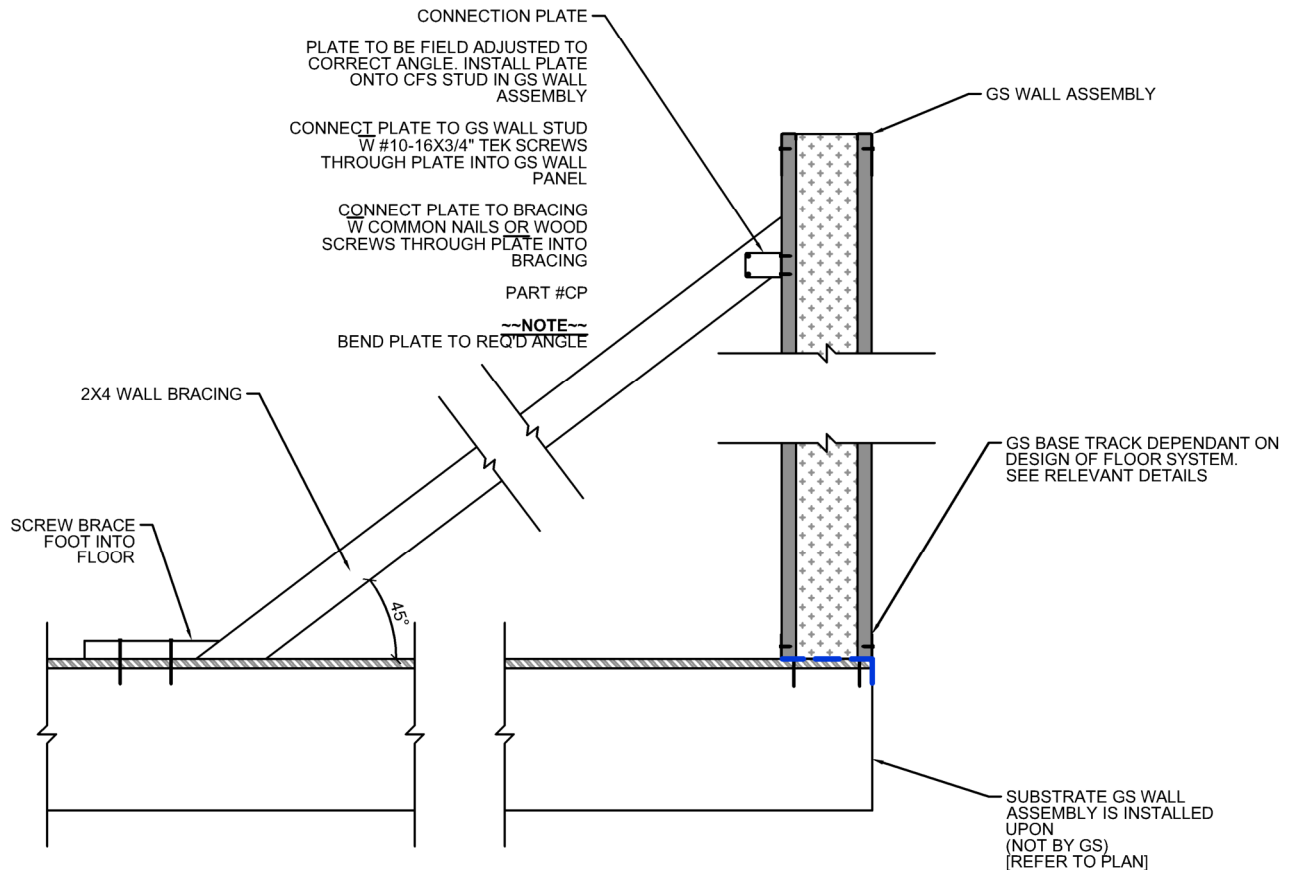
EOR AND GENERAL CONTRACTOR ARE
RESPONSIBLE FOR PROVIDING ADEQUATE
BRACING.

GS ACCEPTS NO RESPONSIBILITY FOR
BRACING METHODS PRACTICED IN THE FIELD.

~~NOTE~~

DETAIL ONLY APPLIES TO
INSTALLING BRACING
ONTO FLOORS W NO
CONCRETE COMPONENT

IF USING A CONCRETE
FLOOR SEE CXN DETAIL
#310



**GS WALL INTERIOR BRACING
SUGGESTED METHOD (SECTION)**

N.T.S.

311D

~~NOTE~~

BRACING DETAIL TO BE USED AS A
SUGGESTION.

EOR AND GENERAL CONTRACTOR ARE
RESPONSIBLE FOR PROVIDING ADEQUATE
BRACING.

GS ACCEPTS NO RESPONSIBILITY FOR
BRACING METHODS PRACTICED IN THE FIELD.

GS BASE TRACK DEPENDANT ON
DESIGN OF FLOOR SYSTEM.
SEE RELEVANT DETAILS

SUBSTRATE GS WALL
ASSEMBLY IS INSTALLED
UPON
(NOT BY GS)
[REFER TO PLAN]

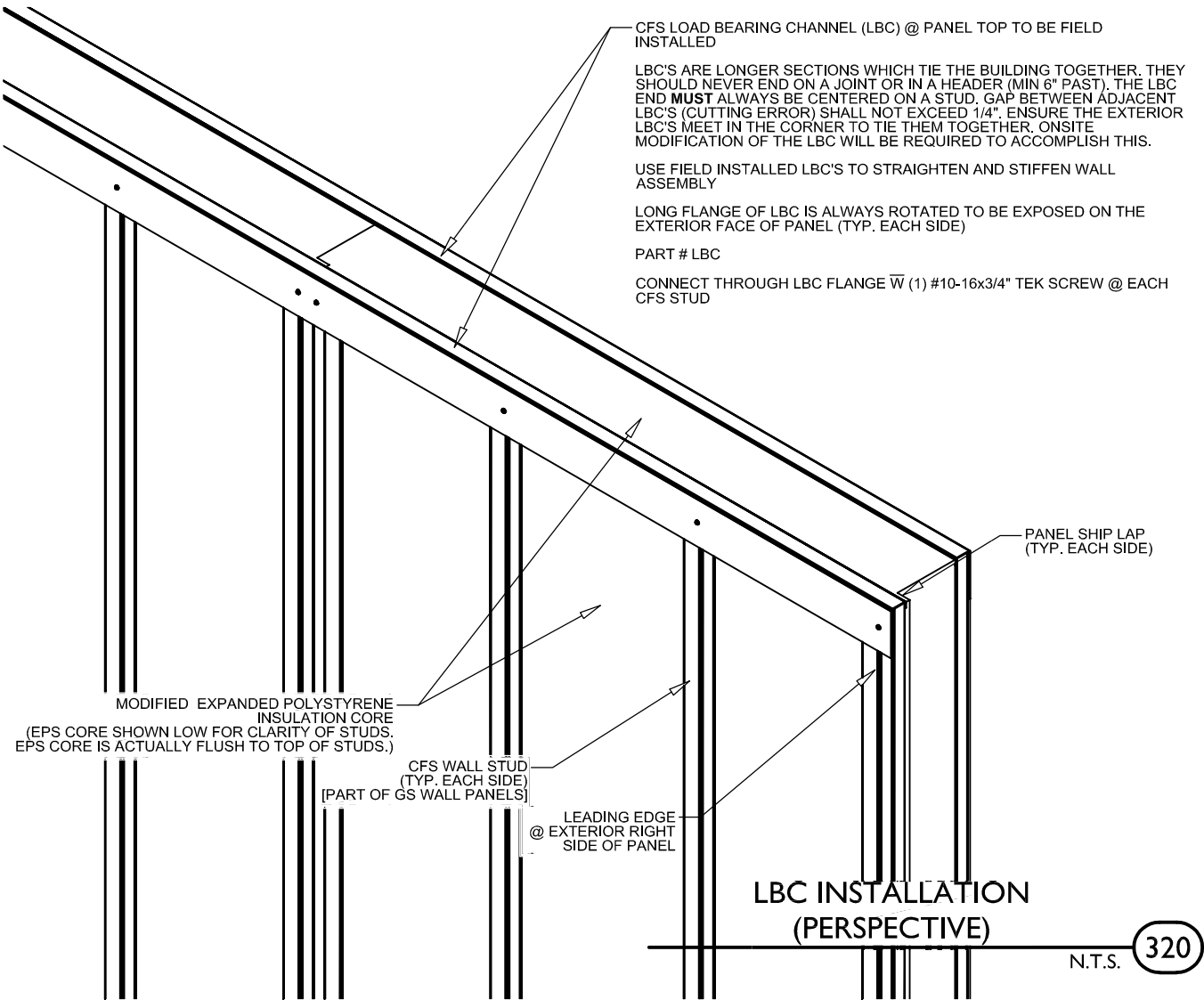
~~NOTE~~
DETAIL ONLY APPLIES TO
INSTALLING BRACING
ONTO FLOORS W NO
CONCRETE COMPONENT

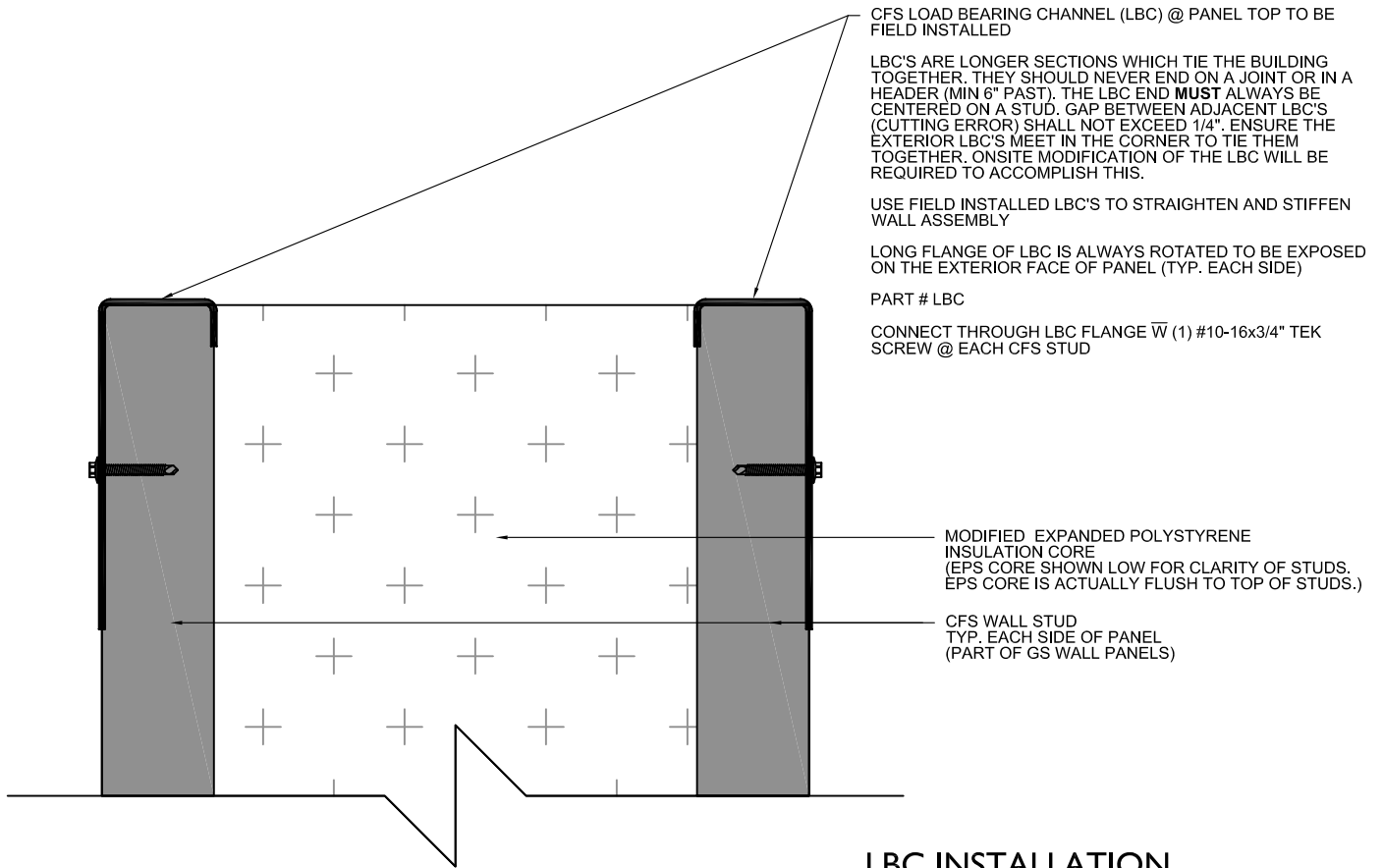
IF USING A CONCRETE
FLOOR SEE CXN DETAIL
#310

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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**LBC INSTALLATION
(SECTION)**

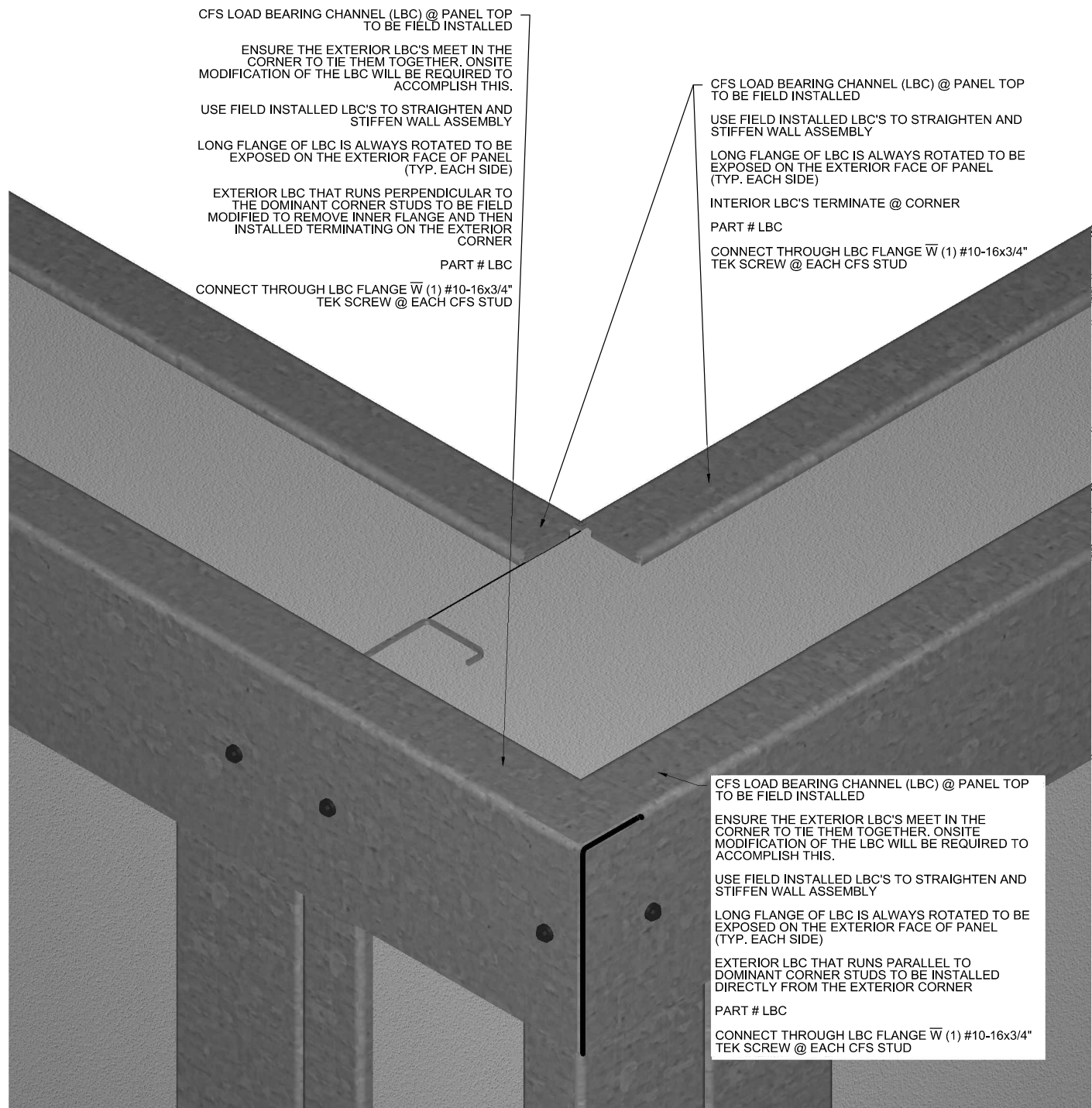
N.T.S.

321

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

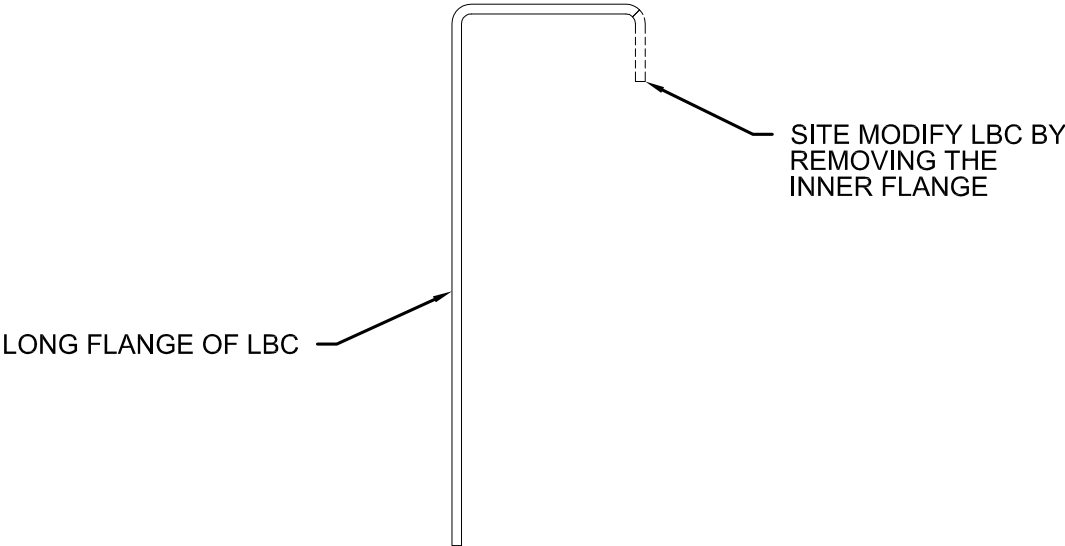
GSBP.CA | GREENSTONE BUILDING PRODUCTS



LBC CORNER MODIFICATION
(PERSPECTIVE)

N.T.S.

322



LBC CORNER MODIFICATION
(SECTION)

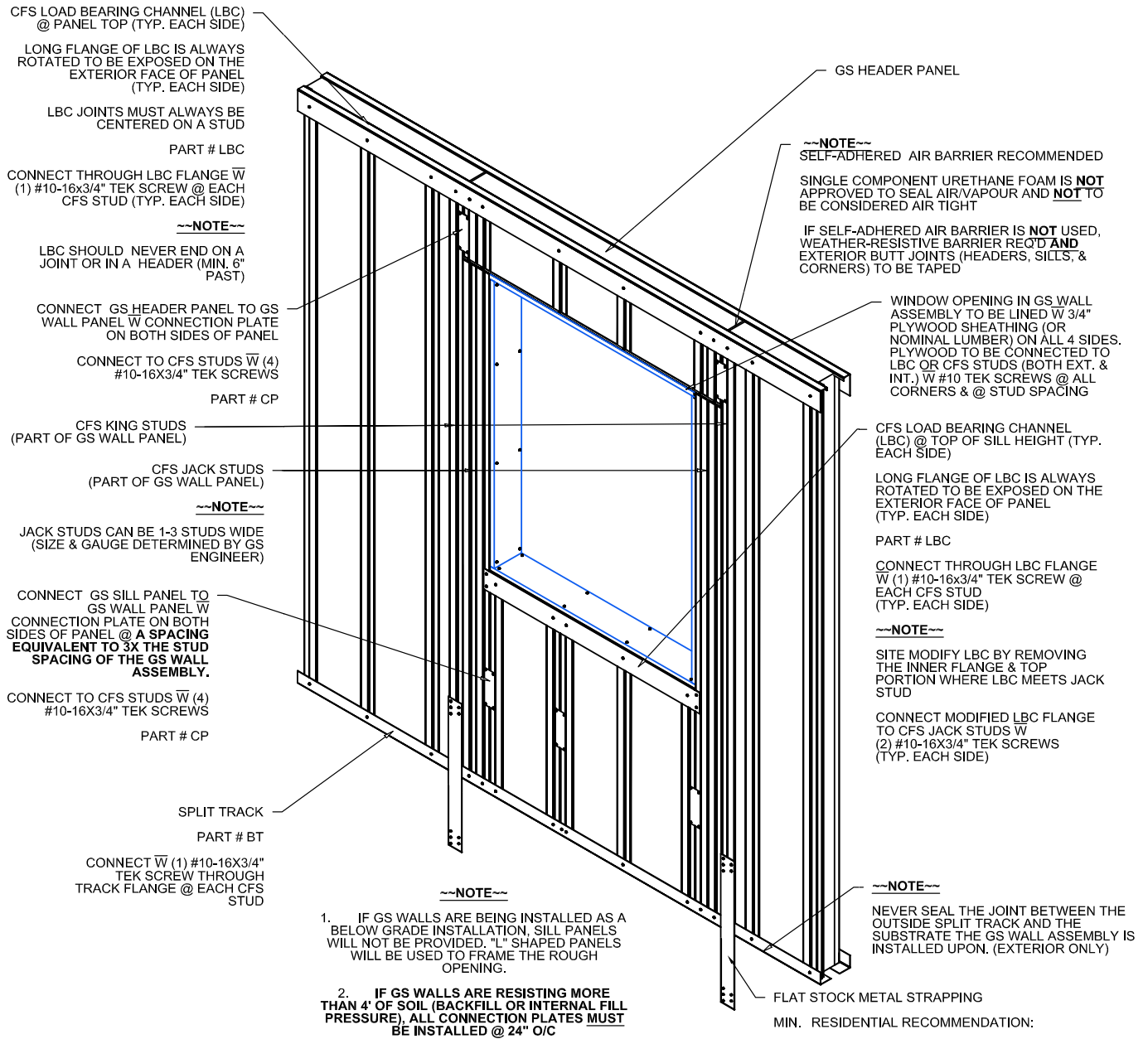
N.T.S.

323

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

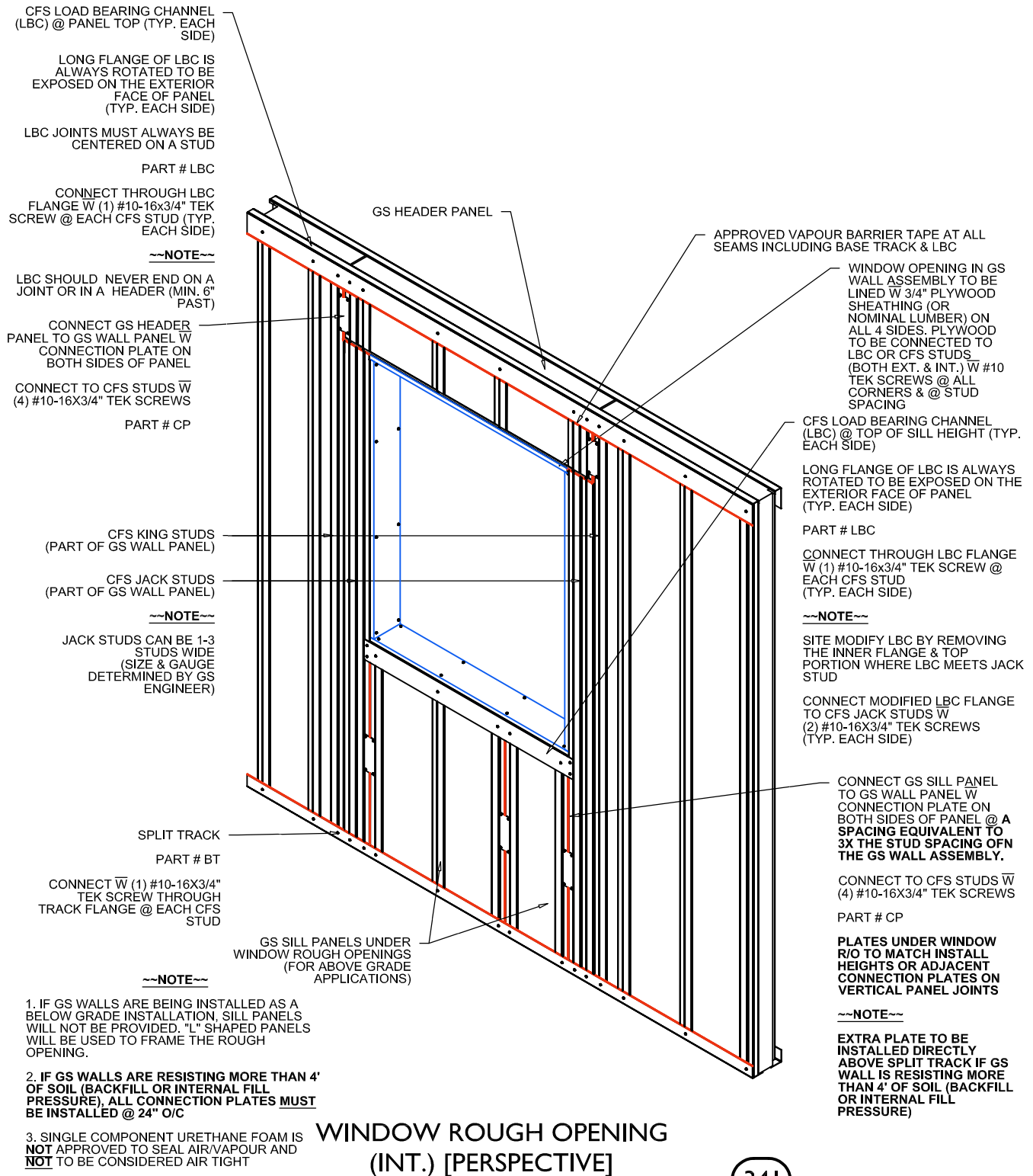
GSBP.CA | GREENSTONE BUILDING PRODUCTS



WINDOW ROUGH OPENING (EXT.) [PERSPECTIVE]

N.T.S.

340



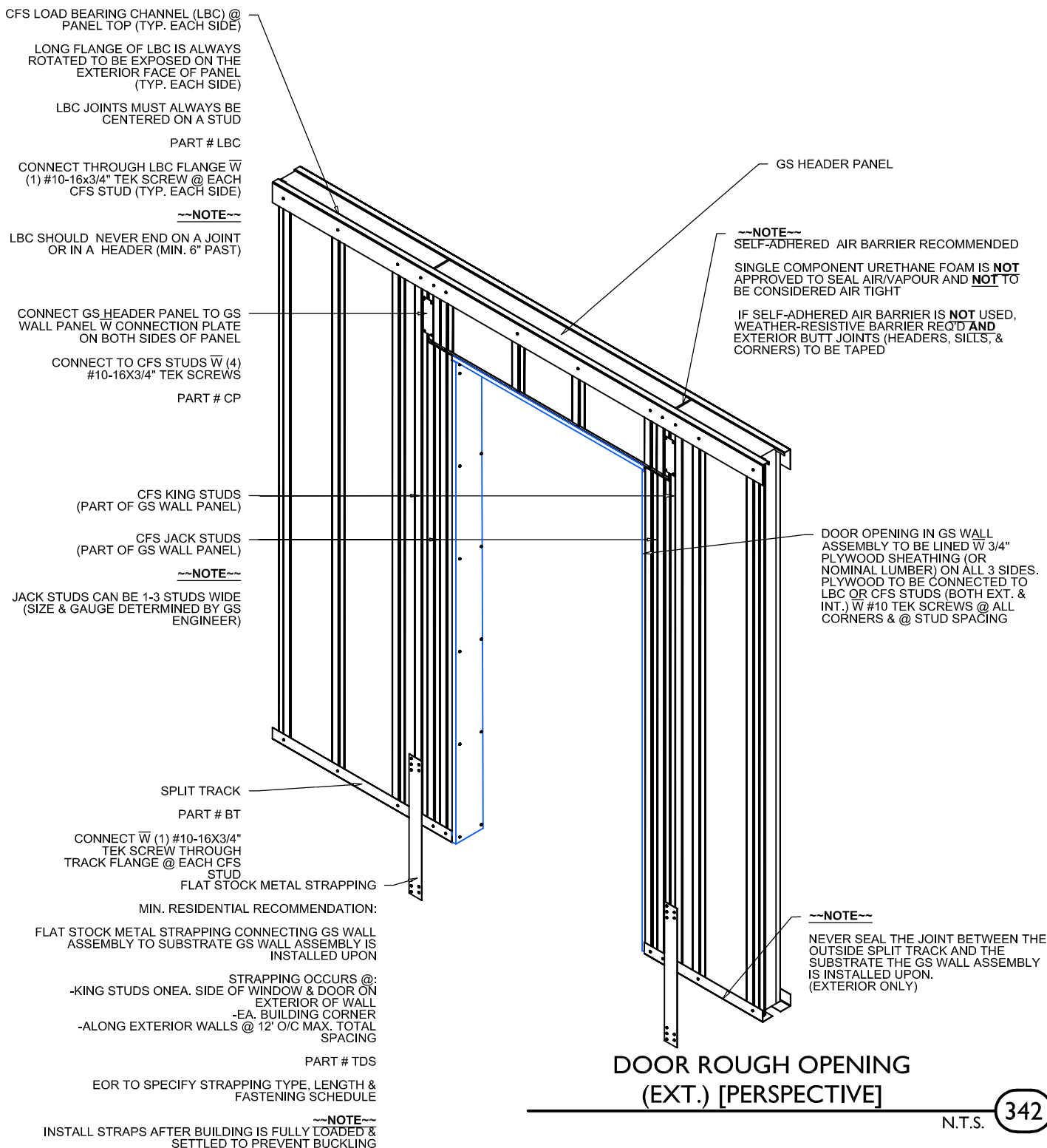
N.T.S.

341

STANDARD CONNECTION DETAILS

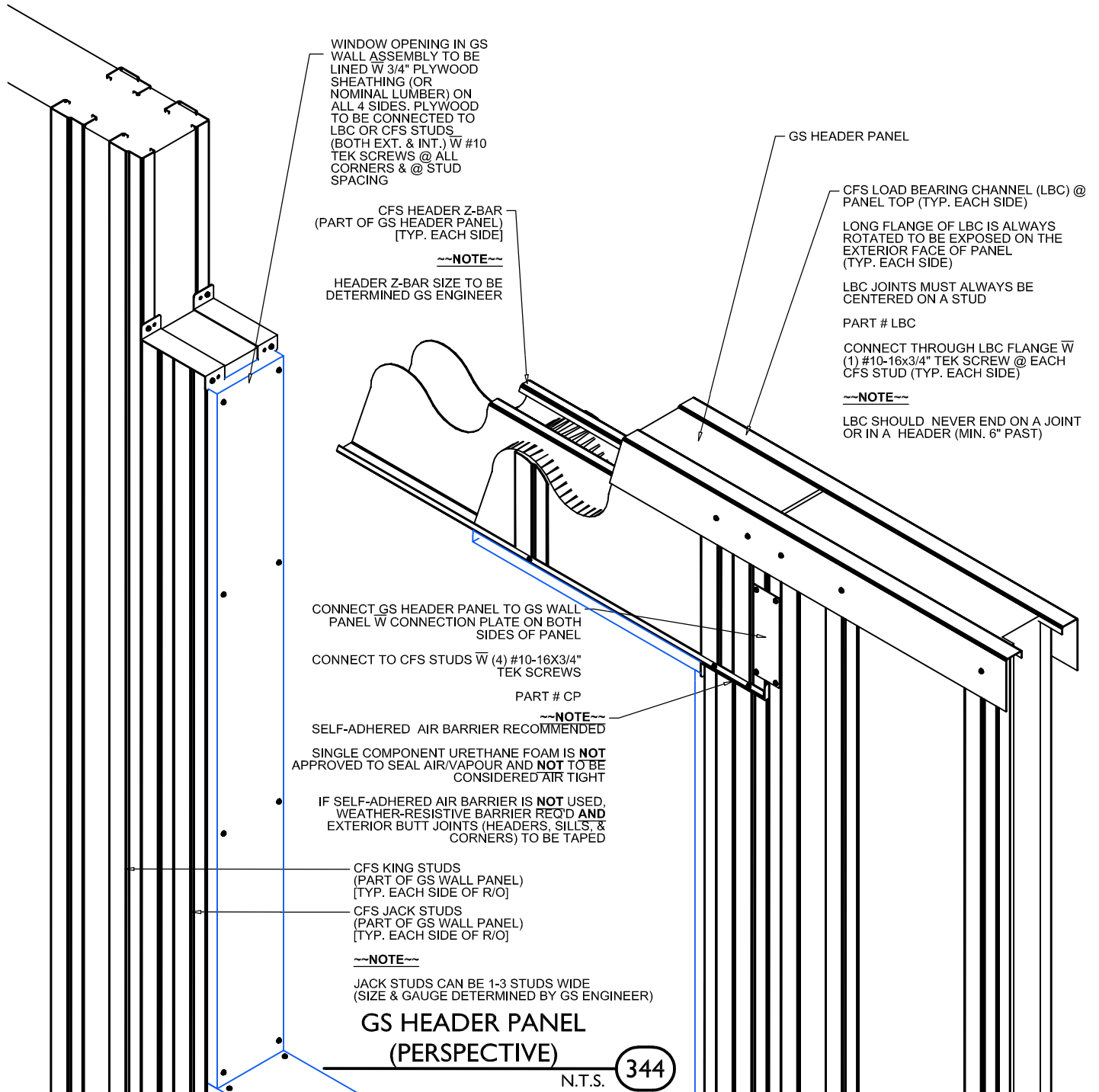
2025.03.04 | LATEST REVISION

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N.T.S.

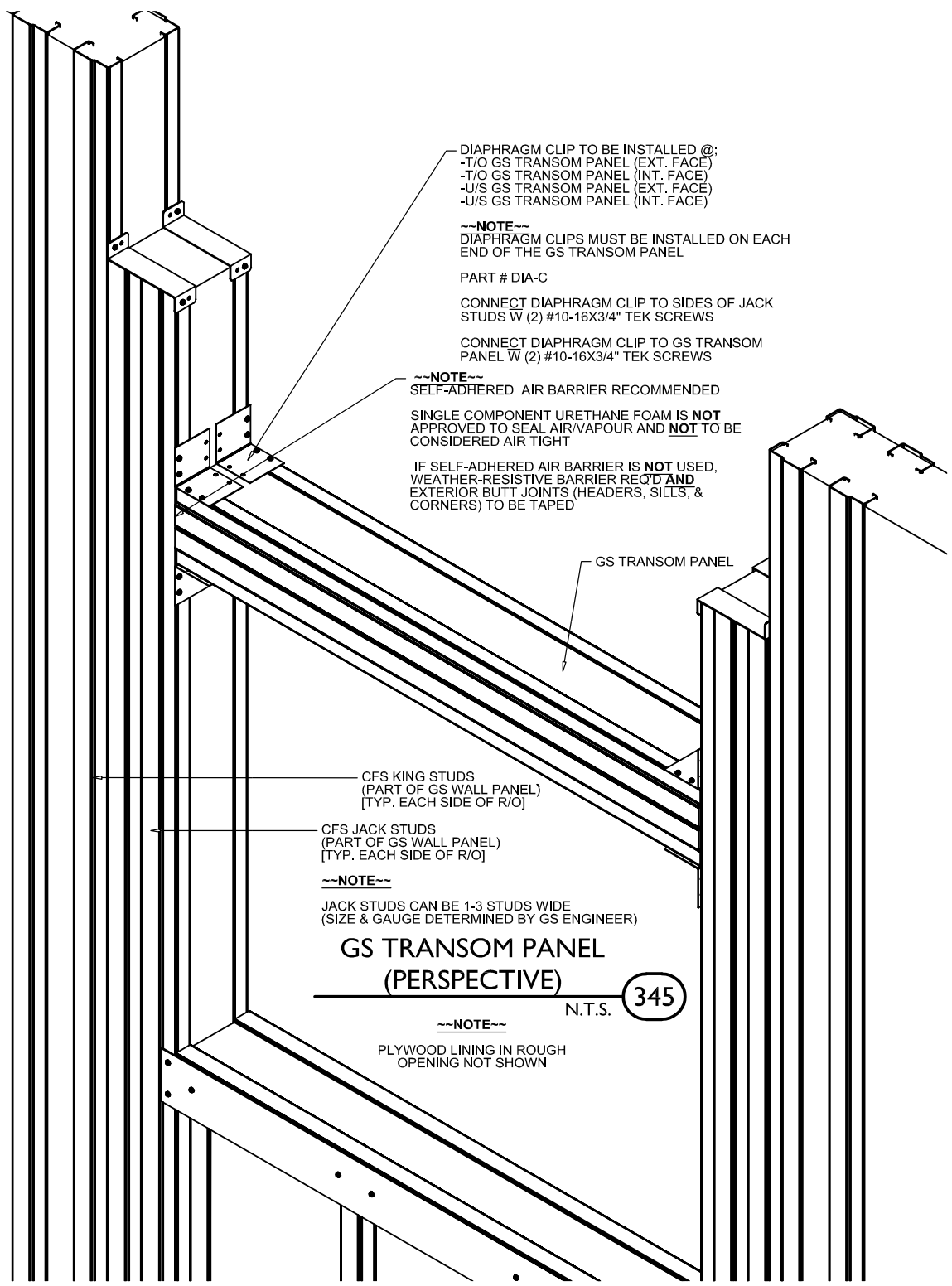
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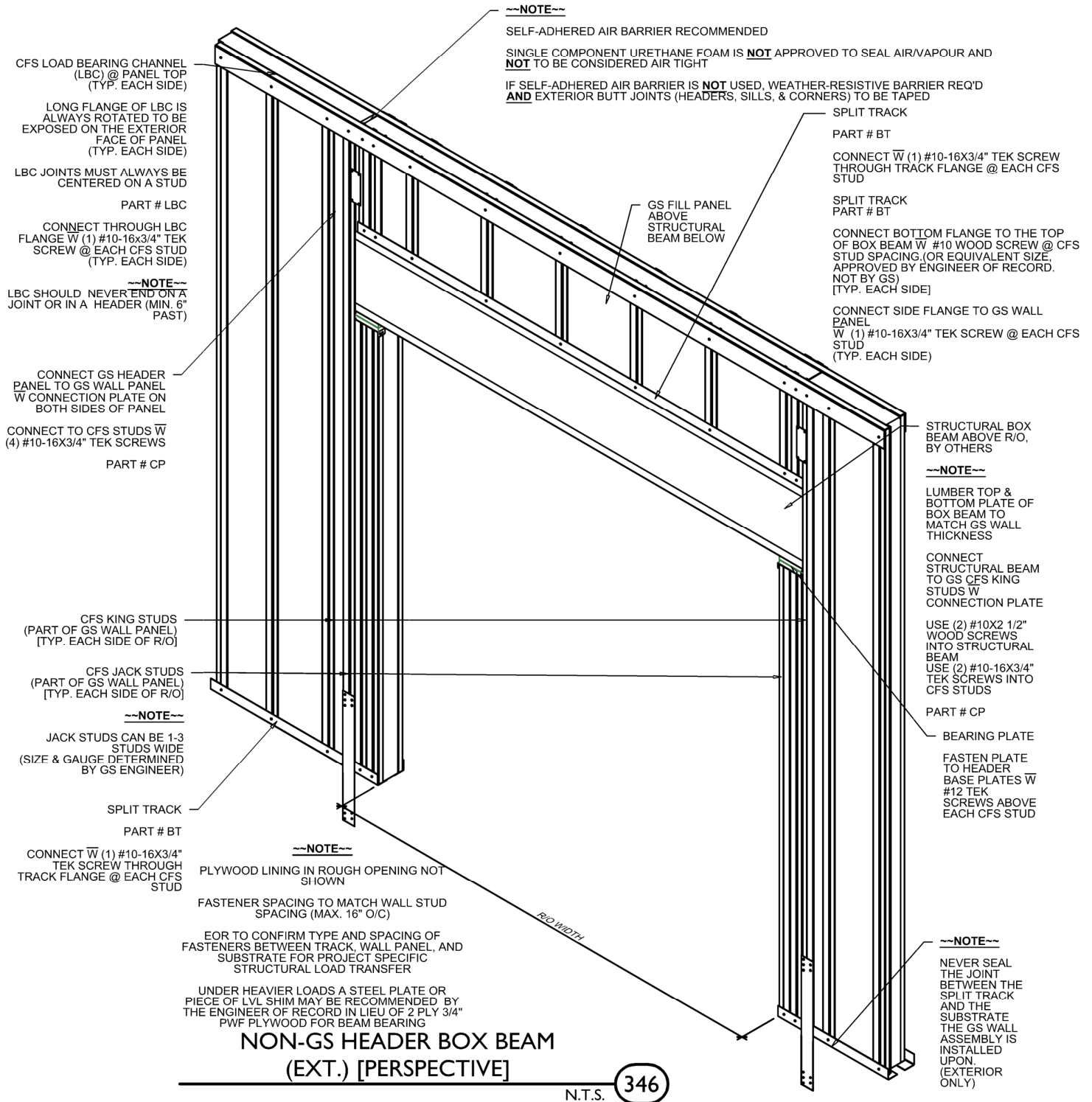


STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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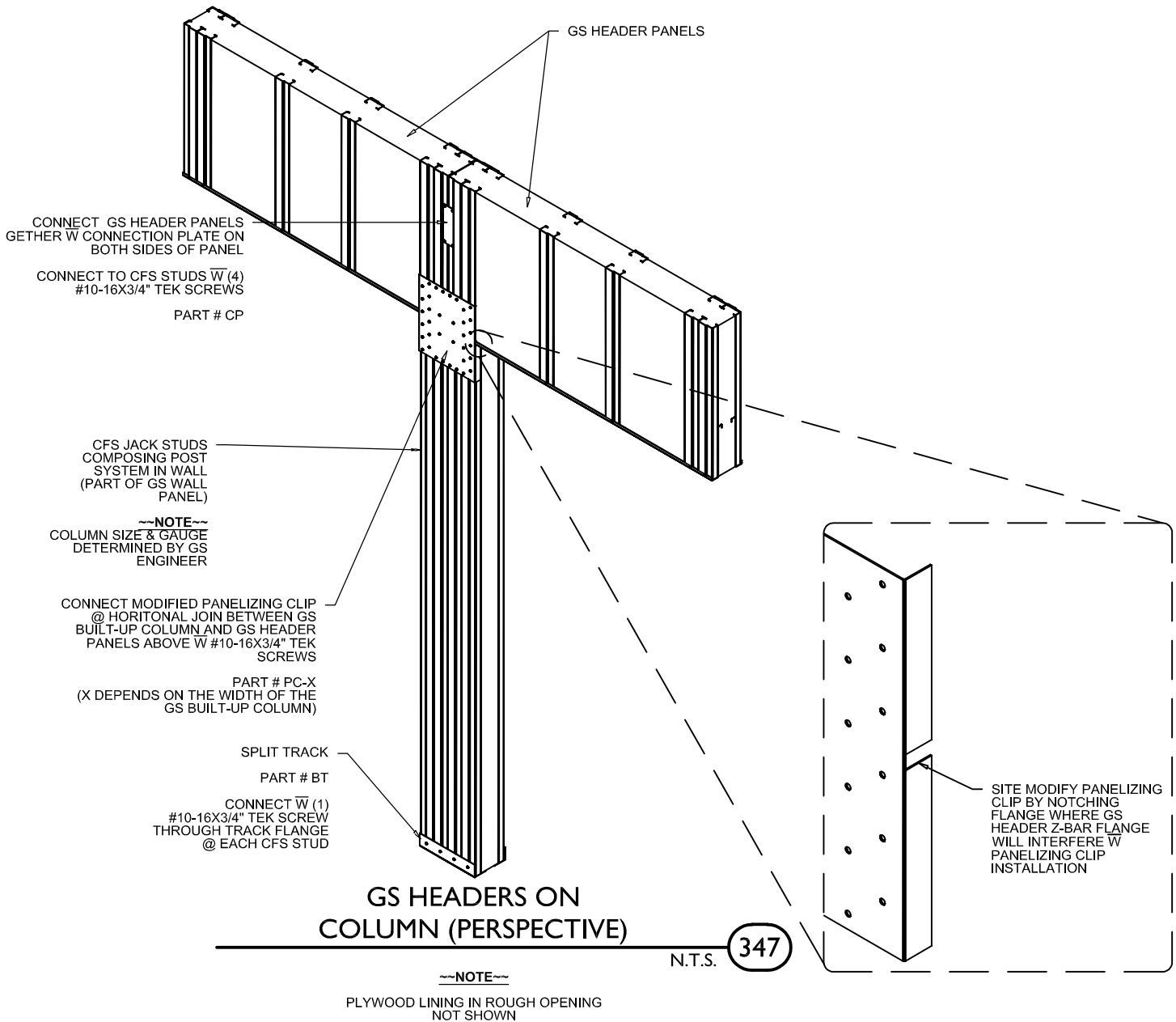


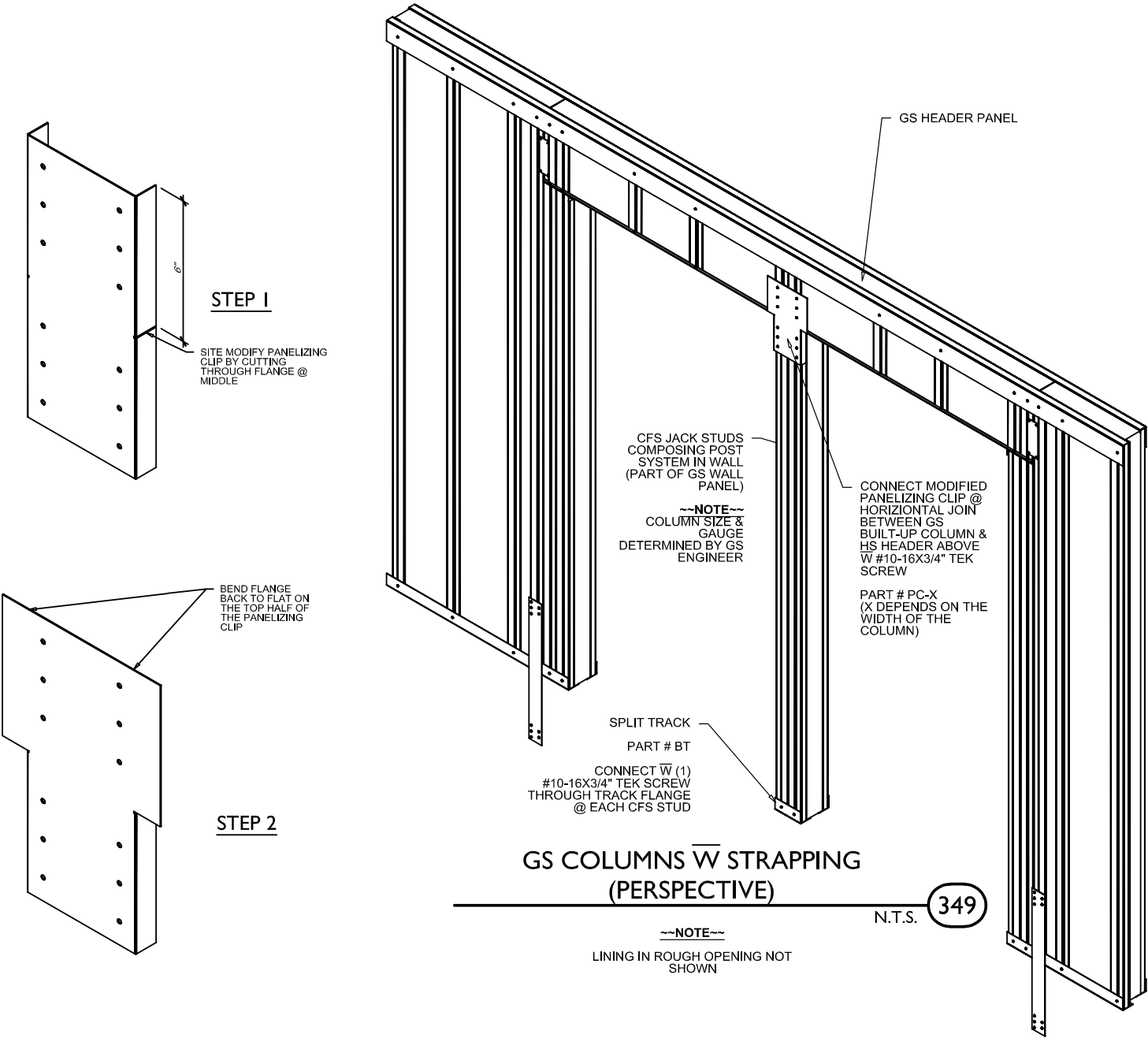


STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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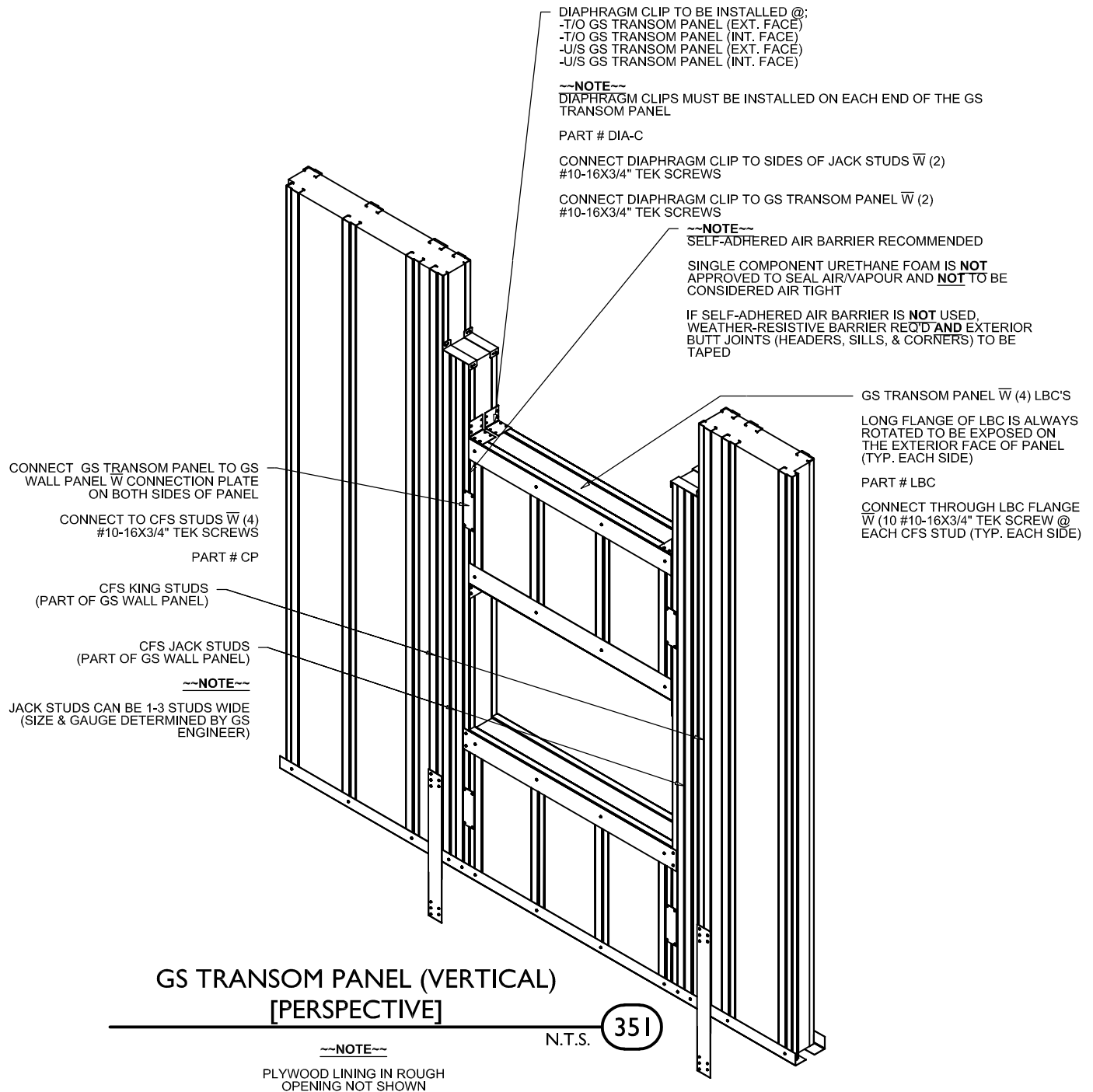


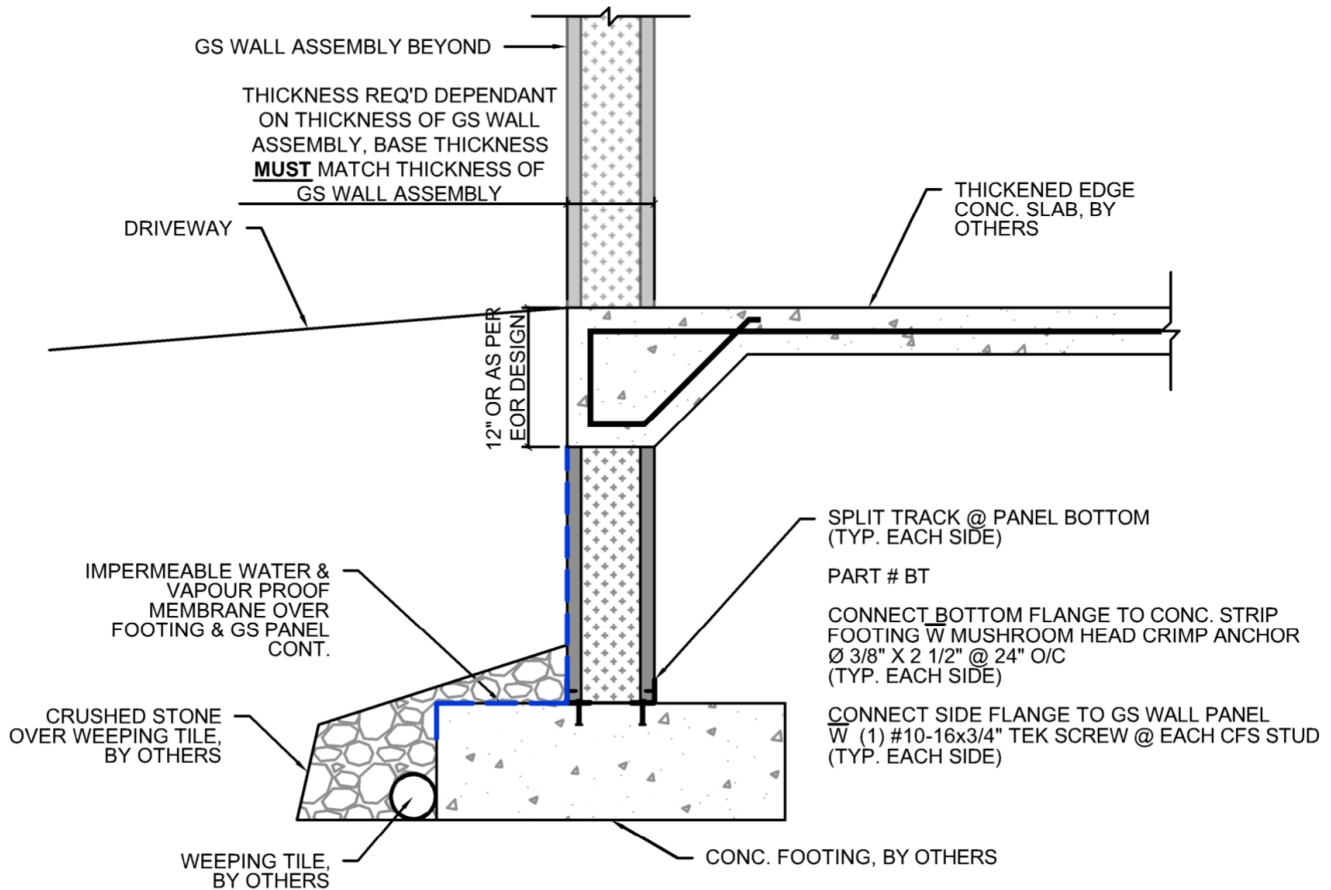


STANDARD CONNECTION DETAILS

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GARAGE SLAB THICKENING @ GARAGE DOOR W GS FOUNDATION (SECTION)

N.T.S.

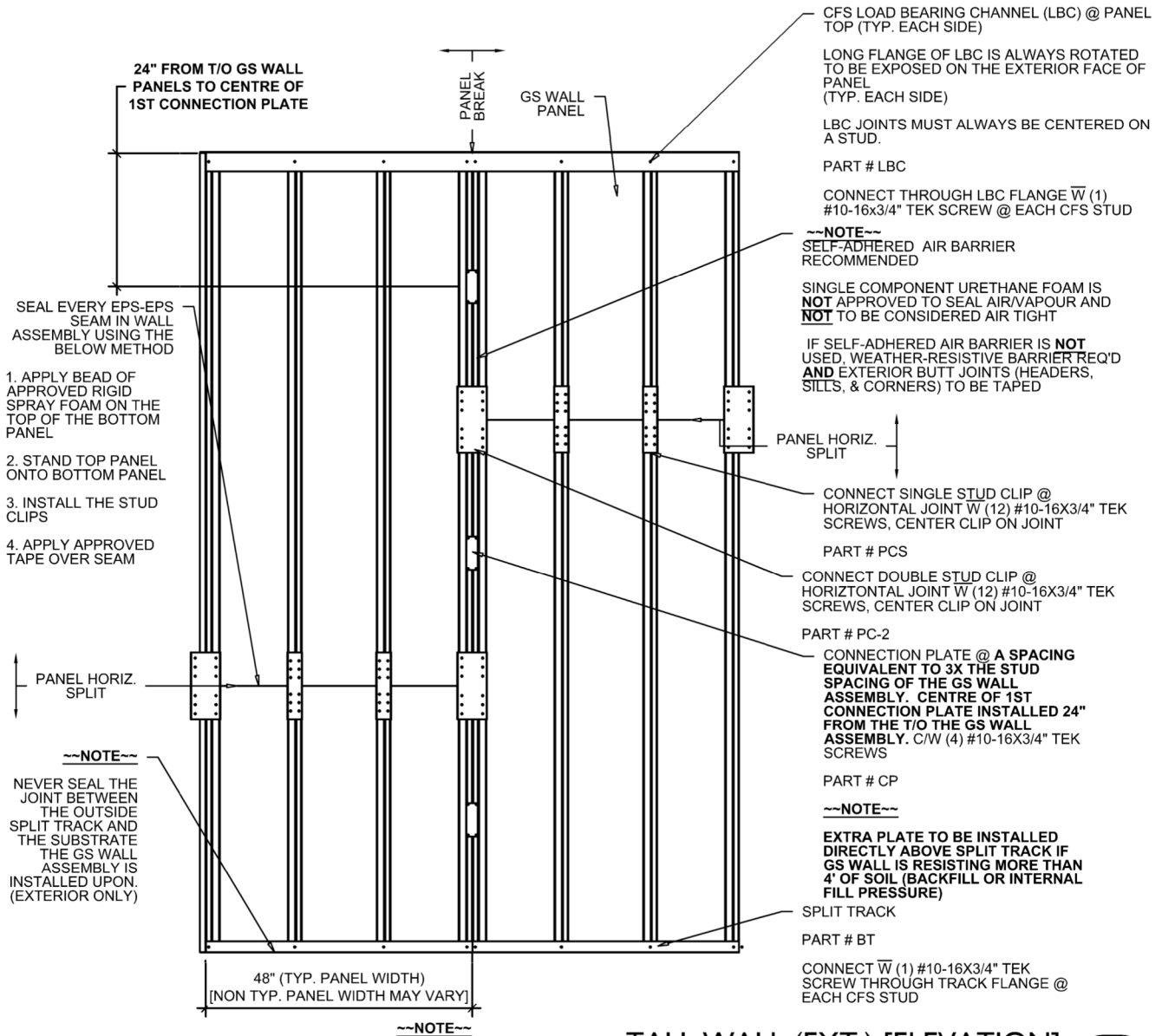
354

~~NOTE~~

FASTENER SPACING TO MATCH WALL STUD
SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF
FASTENERS BETWEEN TRACK, WALL PANEL, AND
SUBSTRATE FOR PROJECT SPECIFIC
STRUCTURAL LOAD TRANSFER

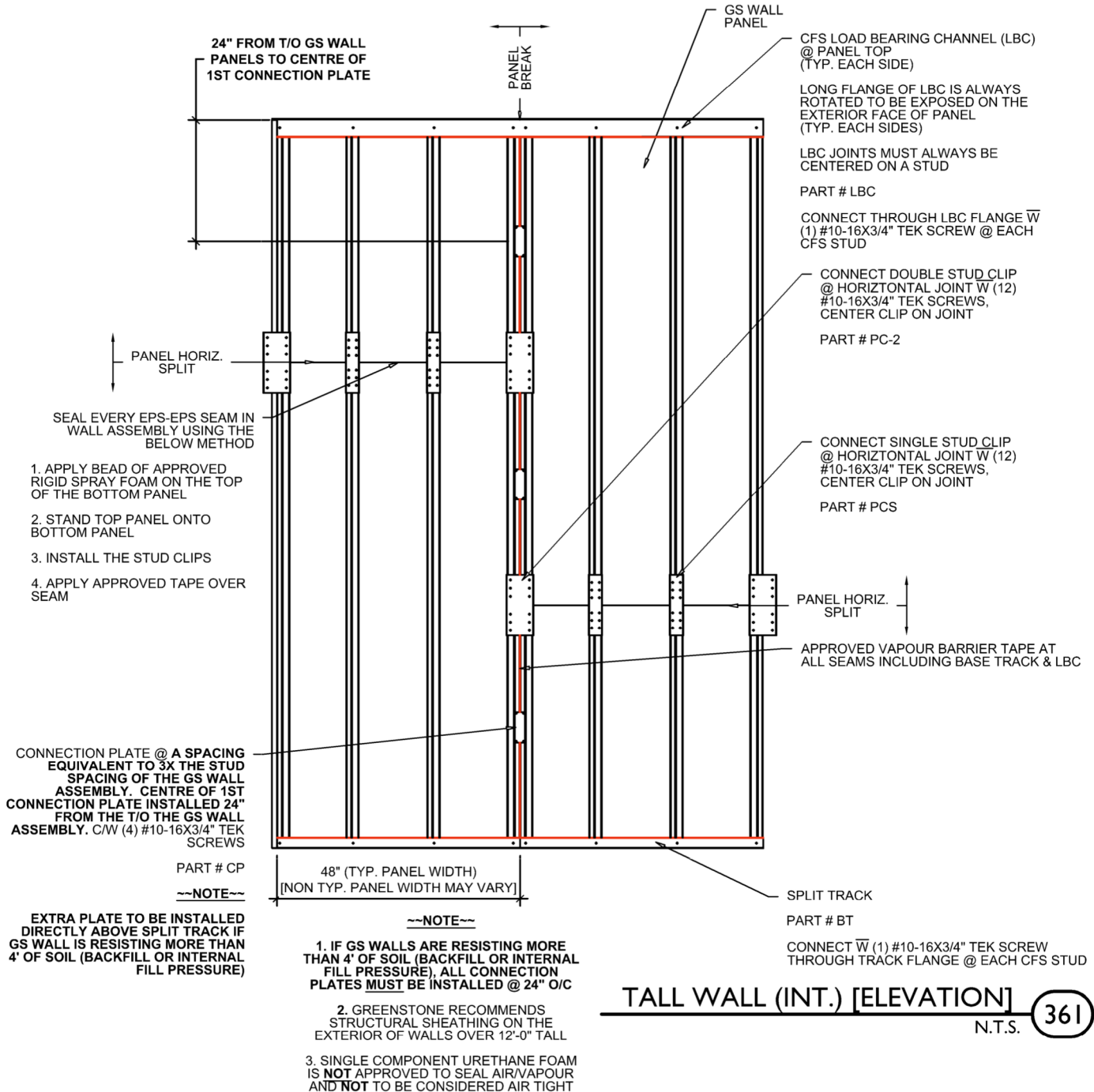
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(360)

N.T.S.

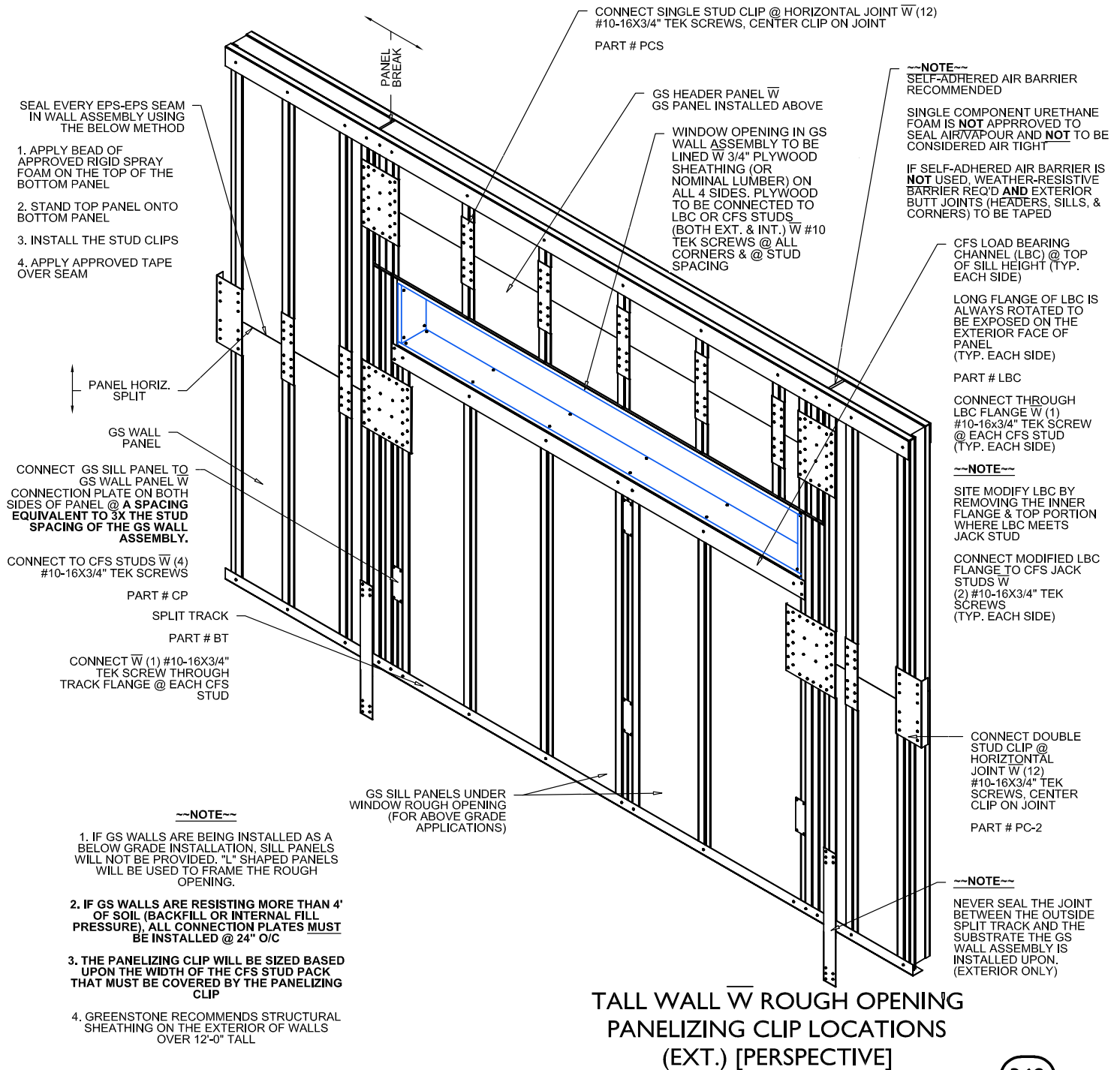
1. IF GS WALLS ARE RESISTING MORE THAN 4" OF SOIL (BACKFILL OR INTERNAL FILL PRESSURE), ALL CONNECTION PLATES MUST BE INSTALLED @ 24" O/C
2. GREENSTONE RECOMMENDS STRUCTURAL SHEATHING ON THE EXTERIOR OF WALLS OVER 12'-0" TALL
3. SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT



STANDARD CONNECTION DETAILS

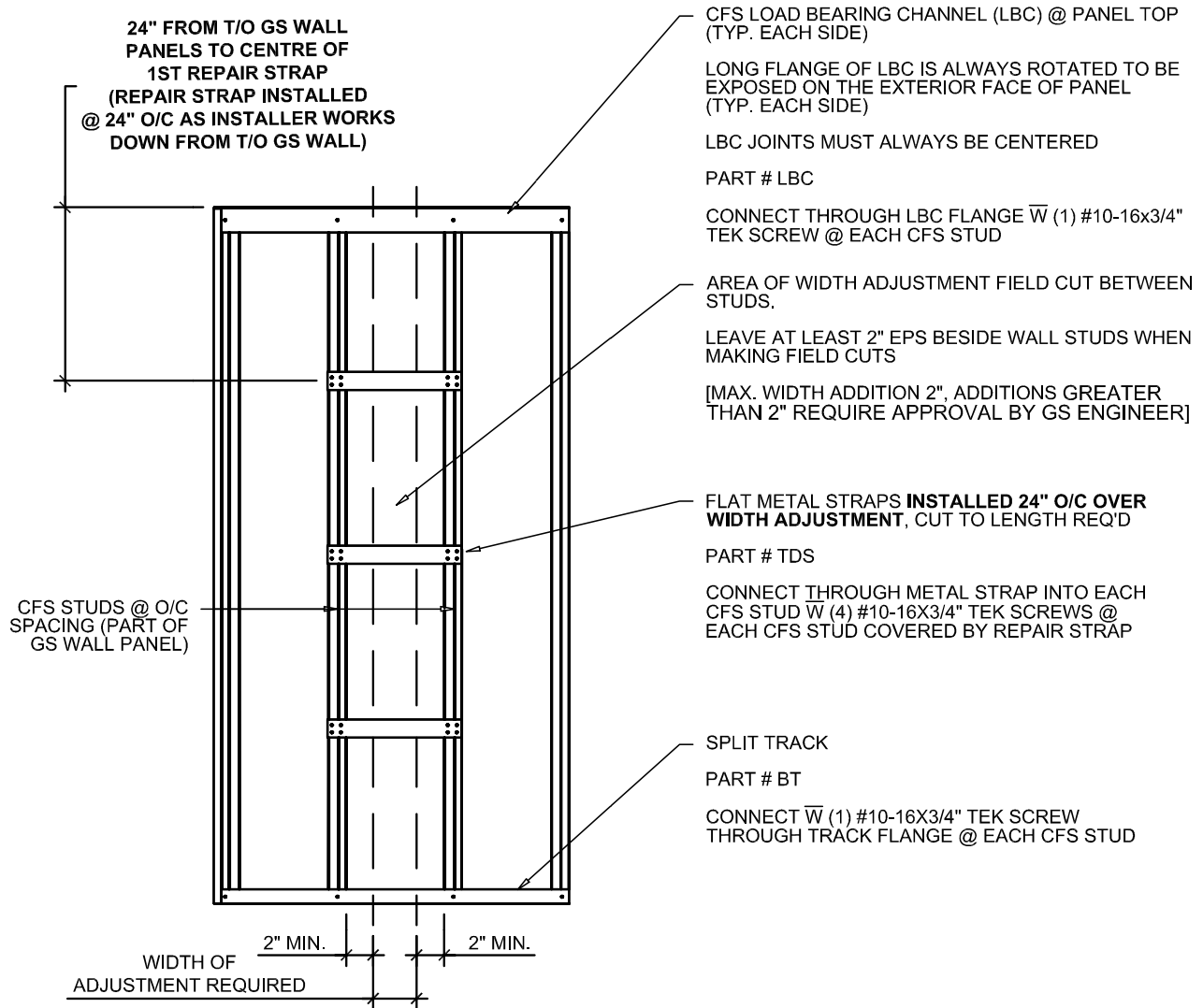
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N.T.S.

362



~NOTE~

1. IF GS WALL DOES NOT RUN THE CORRECT WIDTH OF WALL REQUIRED BY CLIENT, MAKE A 2ND CUT BETWEEN ADJACENT STUDS AND SPLIT THE ADDITIONAL WIDTH IN 2 PLACES
2. THE JOINT OF THE FIELD CUT MUST BE SEALED WITH APPROVED TAPE

WALL WIDTH ADJUSTMENT (ELEVATION)

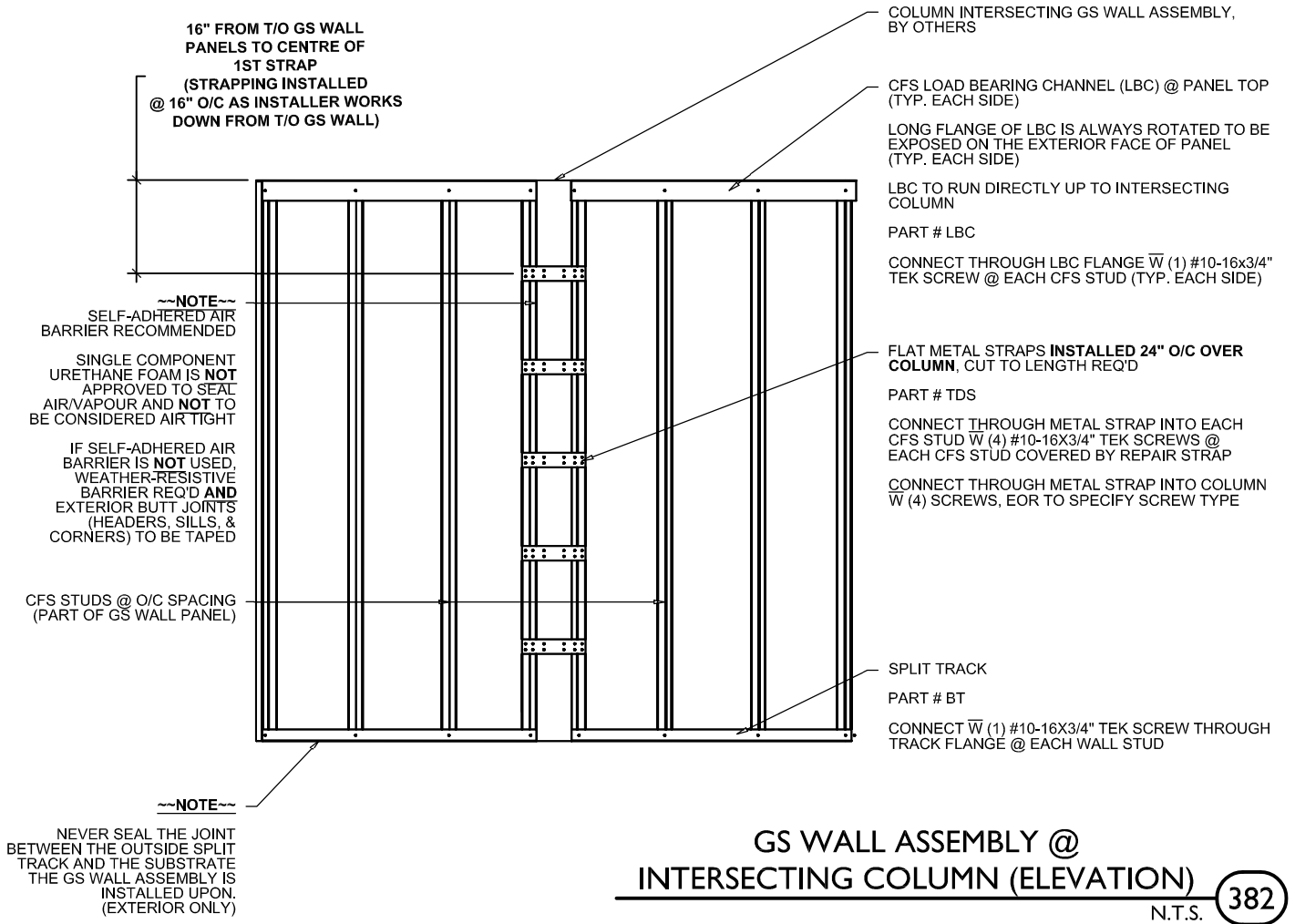
N.T.S.

381

STANDARD CONNECTION DETAILS

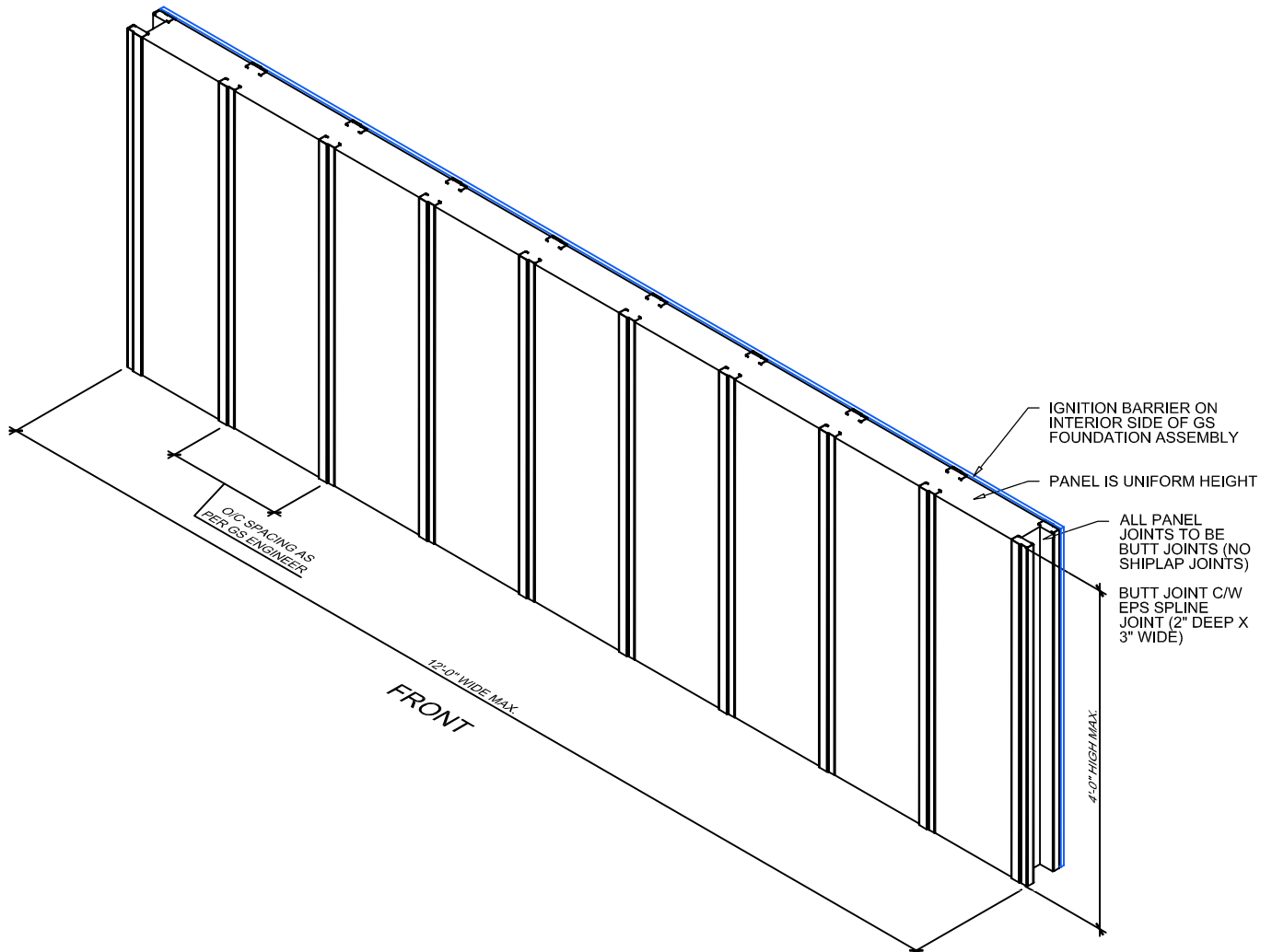
2025.03.04 | LATEST REVISION

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GS WALL ASSEMBLY @
INTERSECTING COLUMN (ELEVATION)

N.T.S. 382



**HORIZONTAL FOUNDATION
PANEL (PERSPECTIVE)**

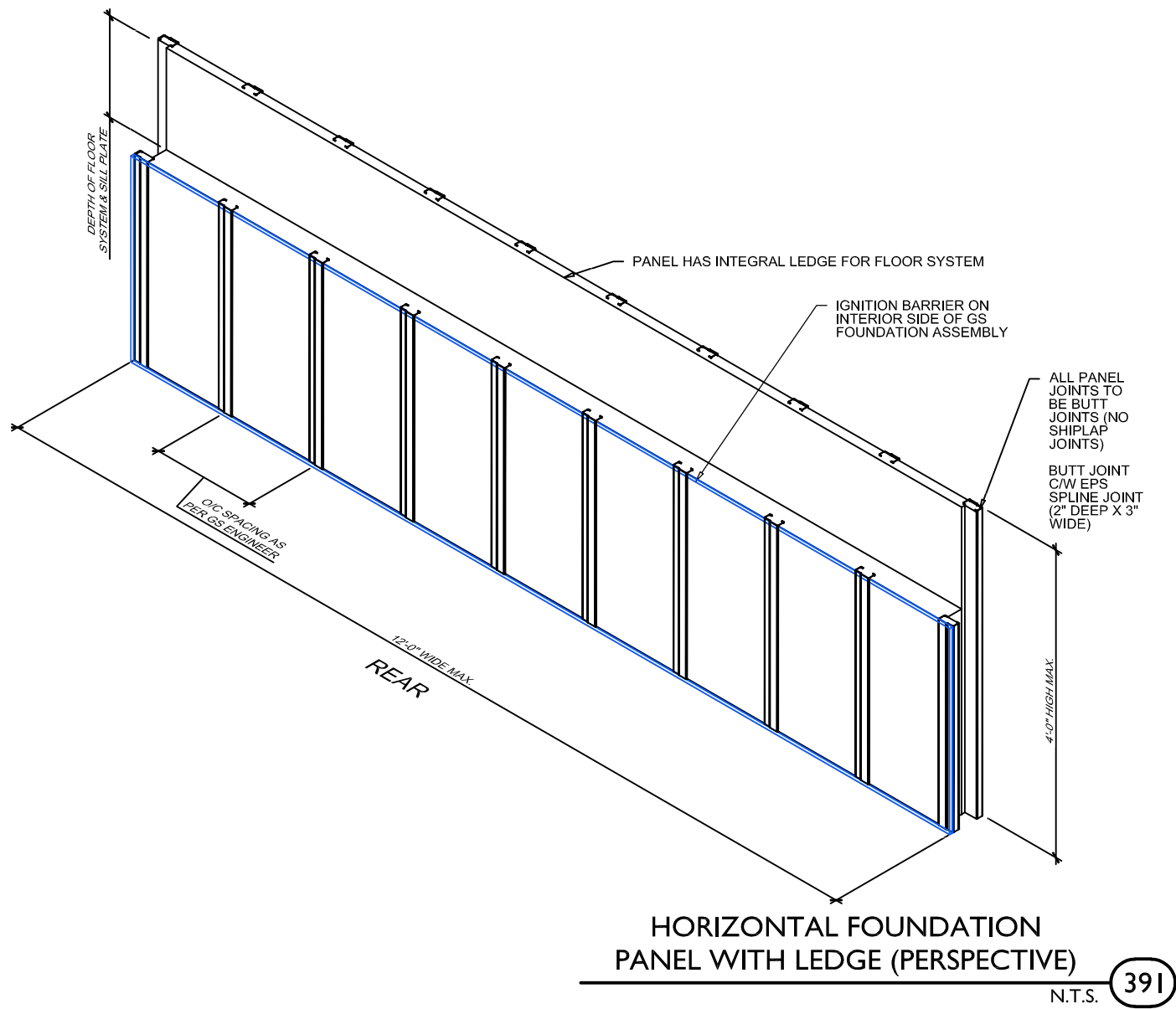
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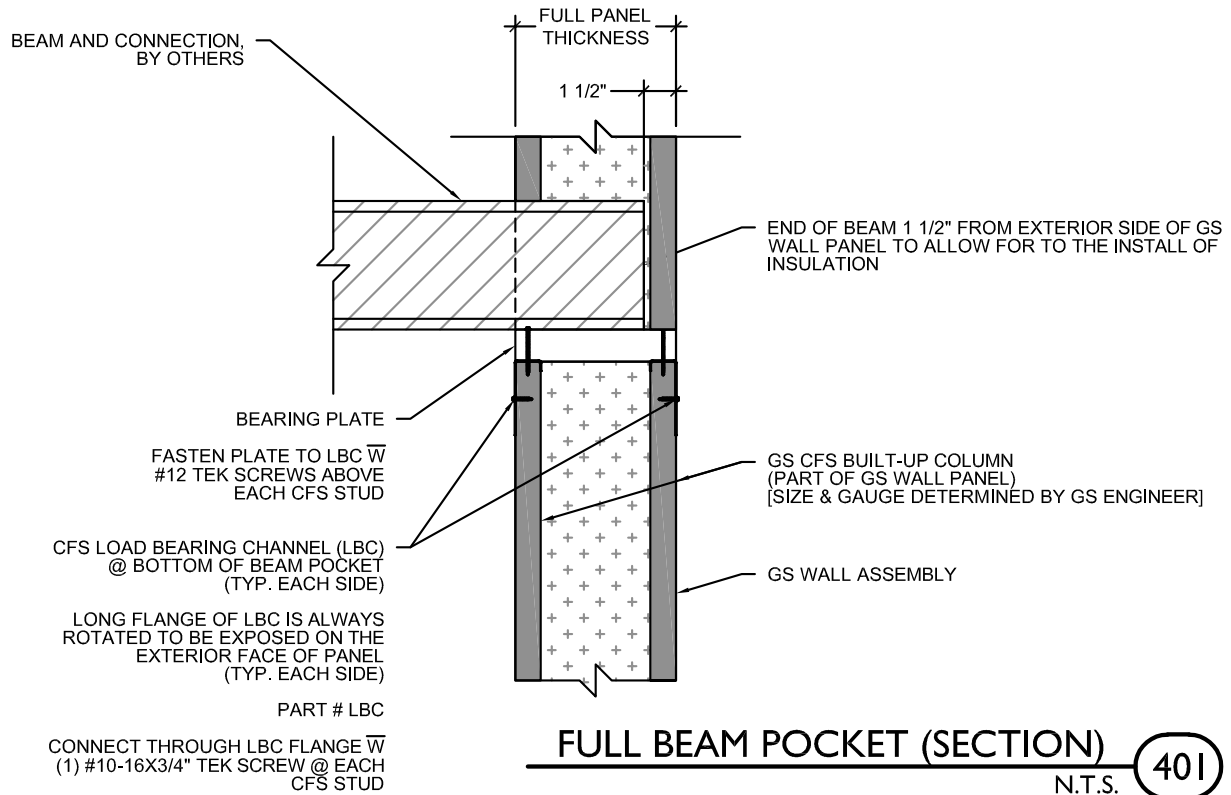
390

STANDARD CONNECTION DETAILS

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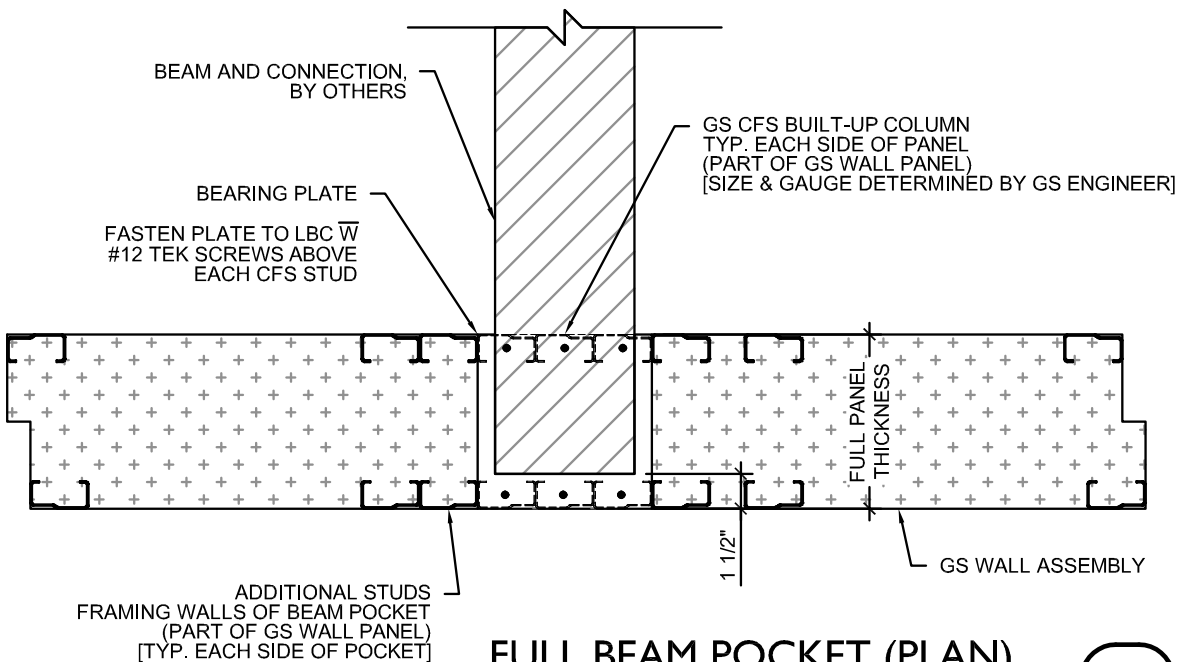


BEARING PLATE SELECTION GUIDE	
BEAM MATERIAL	BEARING PLATE MATERIAL
NOMINAL LUMBER	(2) PLY 3/4" PLYWOOD PLATE
ENGINEERED LUMBER	(1) PLY 1 3/4" LVL PLATE
STEEL	1/4" STEEL PLATE, PREDRILLED FOR #12 TEK SCREWS CXN

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

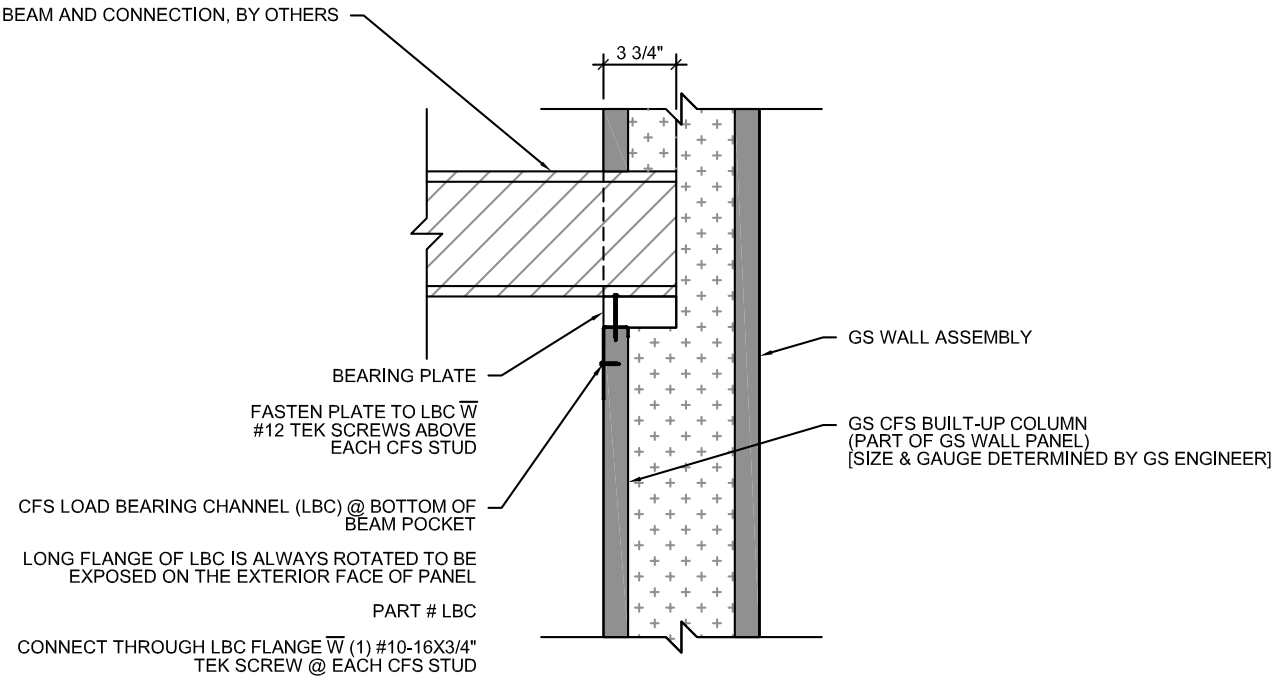
GSBP.CA | GREENSTONE BUILDING PRODUCTS



FULL BEAM POCKET (PLAN)

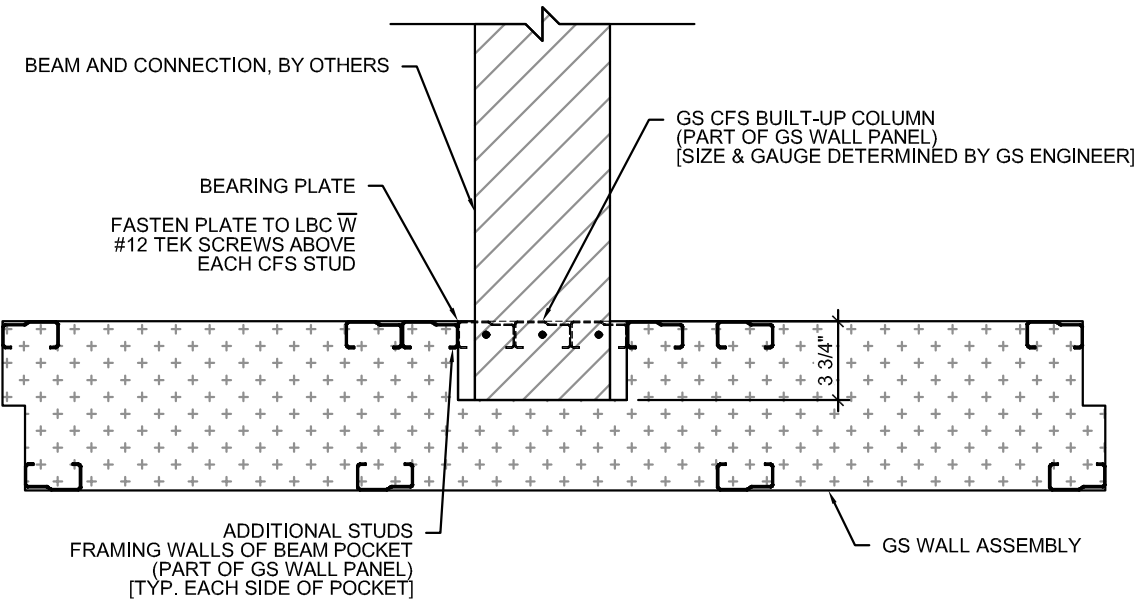
N.T.S. 402

BEARING PLATE SELECTION GUIDE	
BEAM MATERIAL	BEARING PLATE MATERIAL
NOMINAL LUMBER	(2) PLY 3/4" PLYWOOD PLATE
ENGINEERED LUMBER	(1) PLY 1 3/4" LVL PLATE
STEEL	1/4" STEEL PLATE, PREDRILLED FOR #12 TEK SCREWS CXN



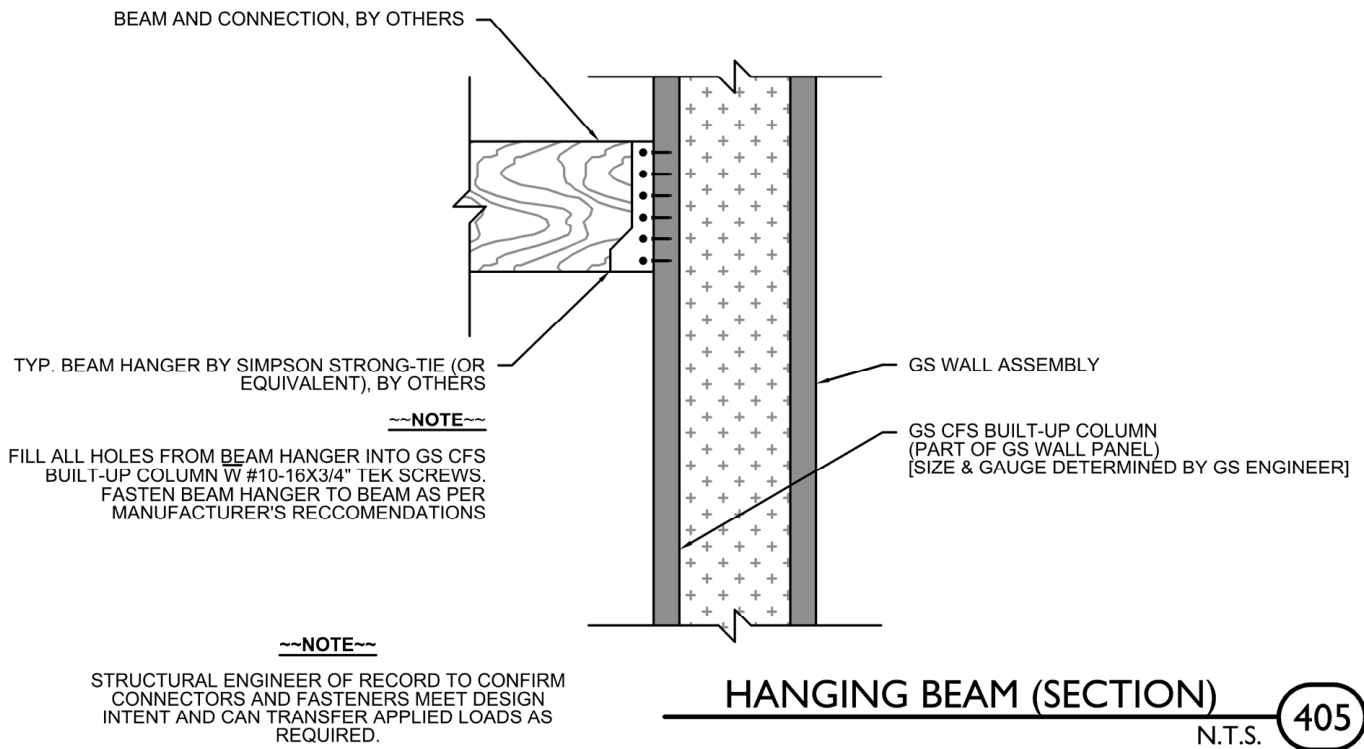
PARTIAL BEAM POCKET (SECTION) 403
N.T.S.

BEARING PLATE SELECTION GUIDE	
BEAM MATERIAL	BEARING PLATE MATERIAL
NOMINAL LUMBER	(2) PLY 3/4" PLYWOOD PLATE
ENGINEERED LUMBER	(1) PLY 1 3/4" LVL PLATE
STEEL	1/4" STEEL PLATE, PREDRILLED FOR #12 TEK SCREWS CXN



PARTIAL BEAM POCKET (PLAN) 404
N.T.S.

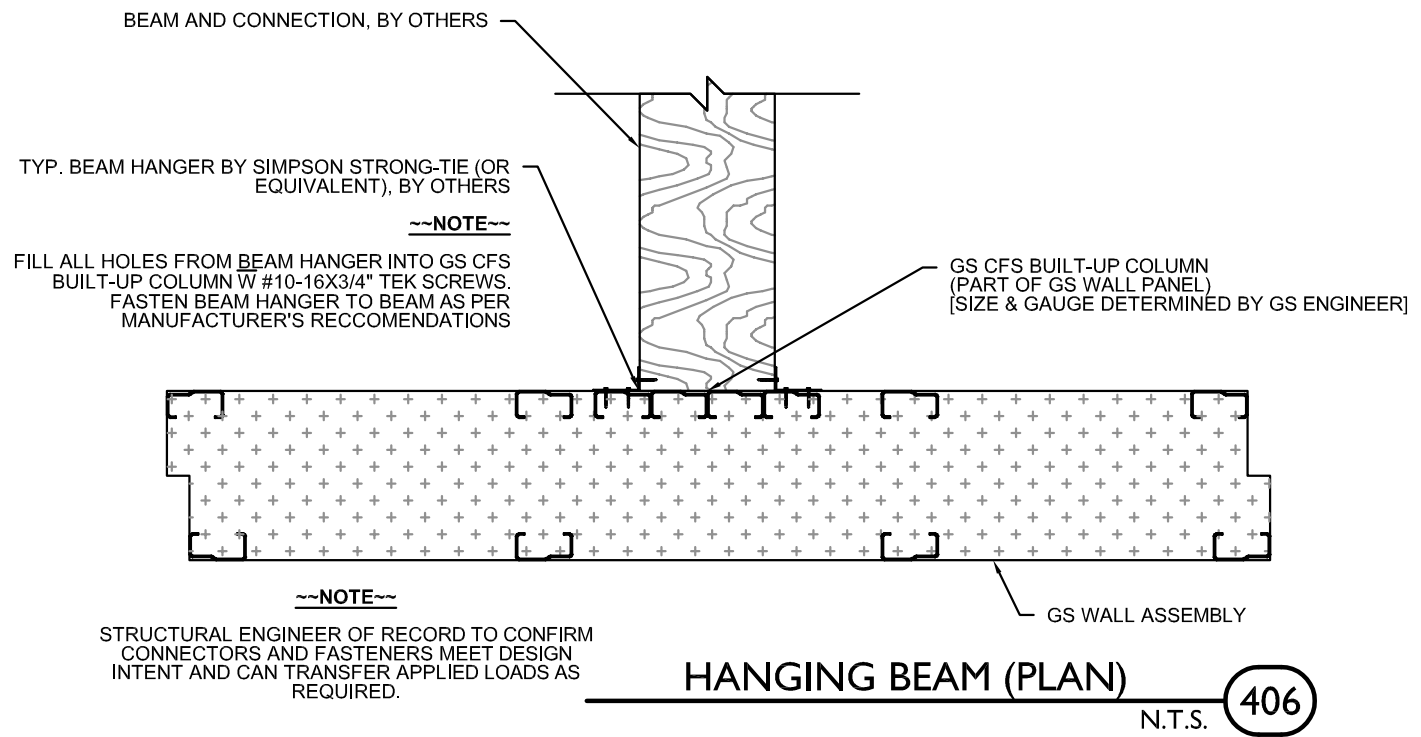
BEARING PLATE SELECTION GUIDE	
BEAM MATERIAL	BEARING PLATE MATERIAL
NOMINAL LUMBER	(2) PLY 3/4" PLYWOOD PLATE
ENGINEERED LUMBER	(1) PLY 1 3/4" LVL PLATE
STEEL	1/4" STEEL PLATE, PREDRILLED FOR #12 TEK SCREWS CXN

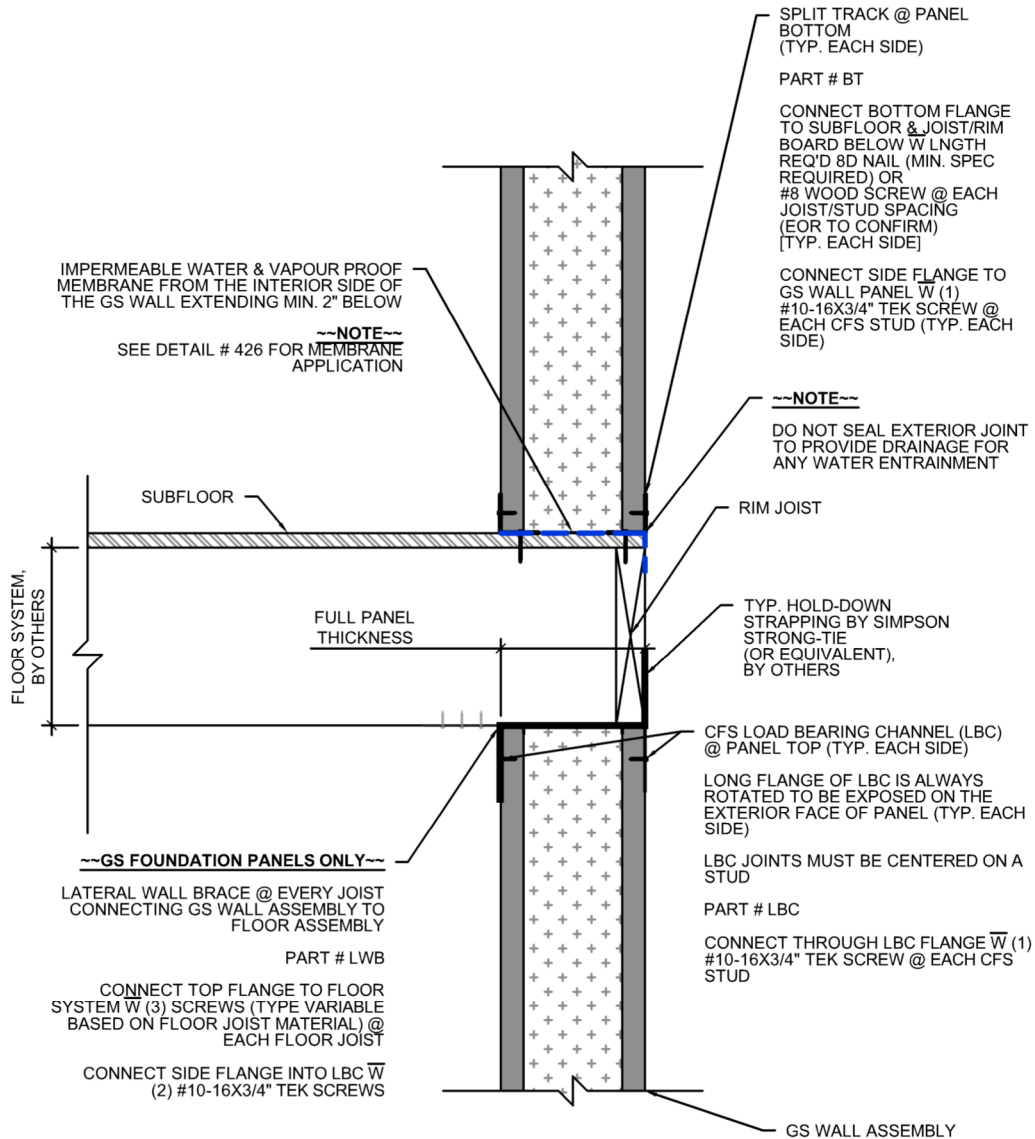


STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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FULL BEARING FLOOR (SECTION)

N.T.S.

420

~NOTE~

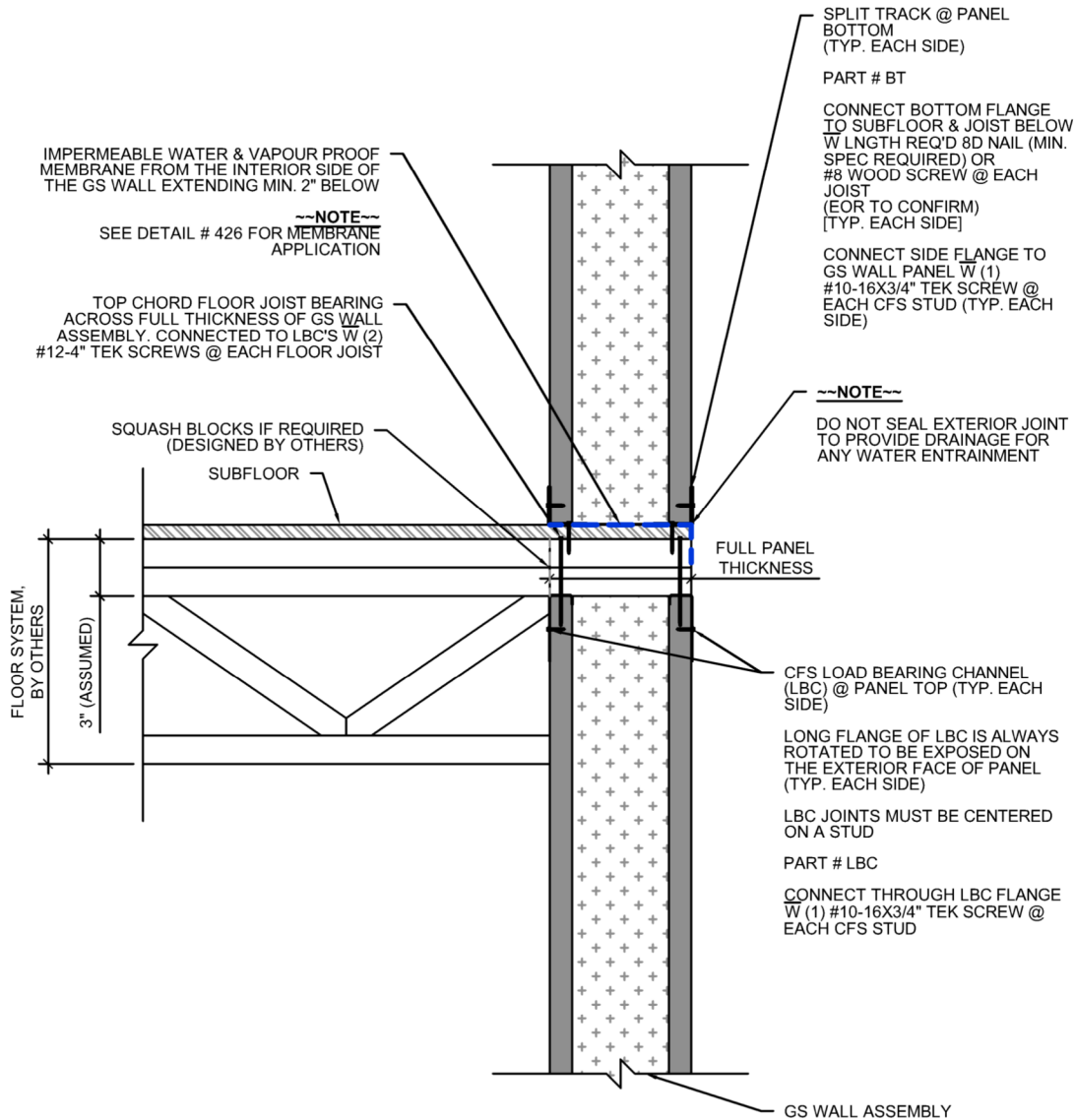
FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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FULL THICKNESS BEARING (TOP CHORD BEARING) [SECTION]

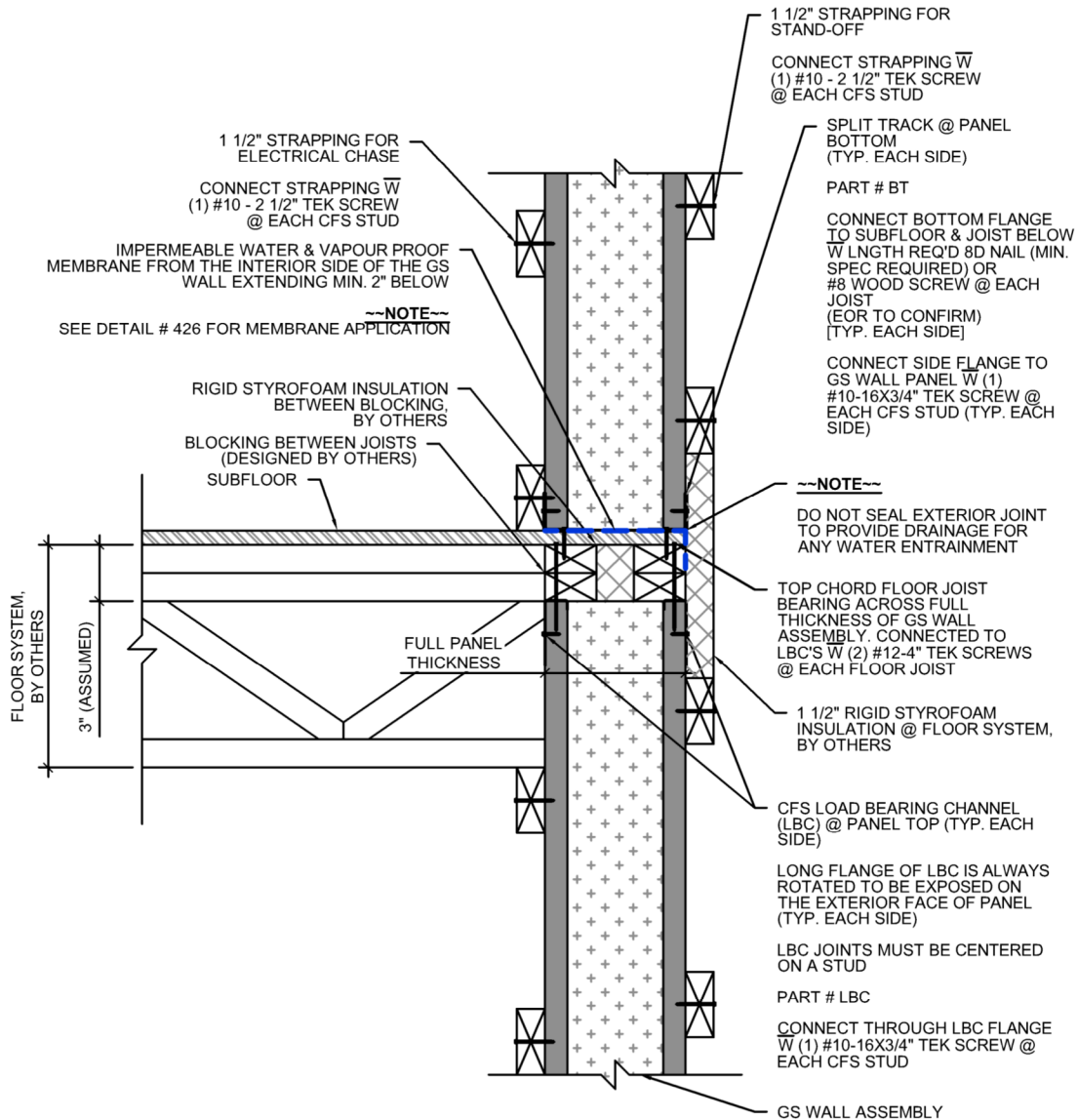
N.T.S.

421

---NOTE---

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER



**FULL THICKNESS BEARING W STRAPPING
(TOP CHORD BEARING) [SECTION]**

N.T.S.

422

---NOTE---

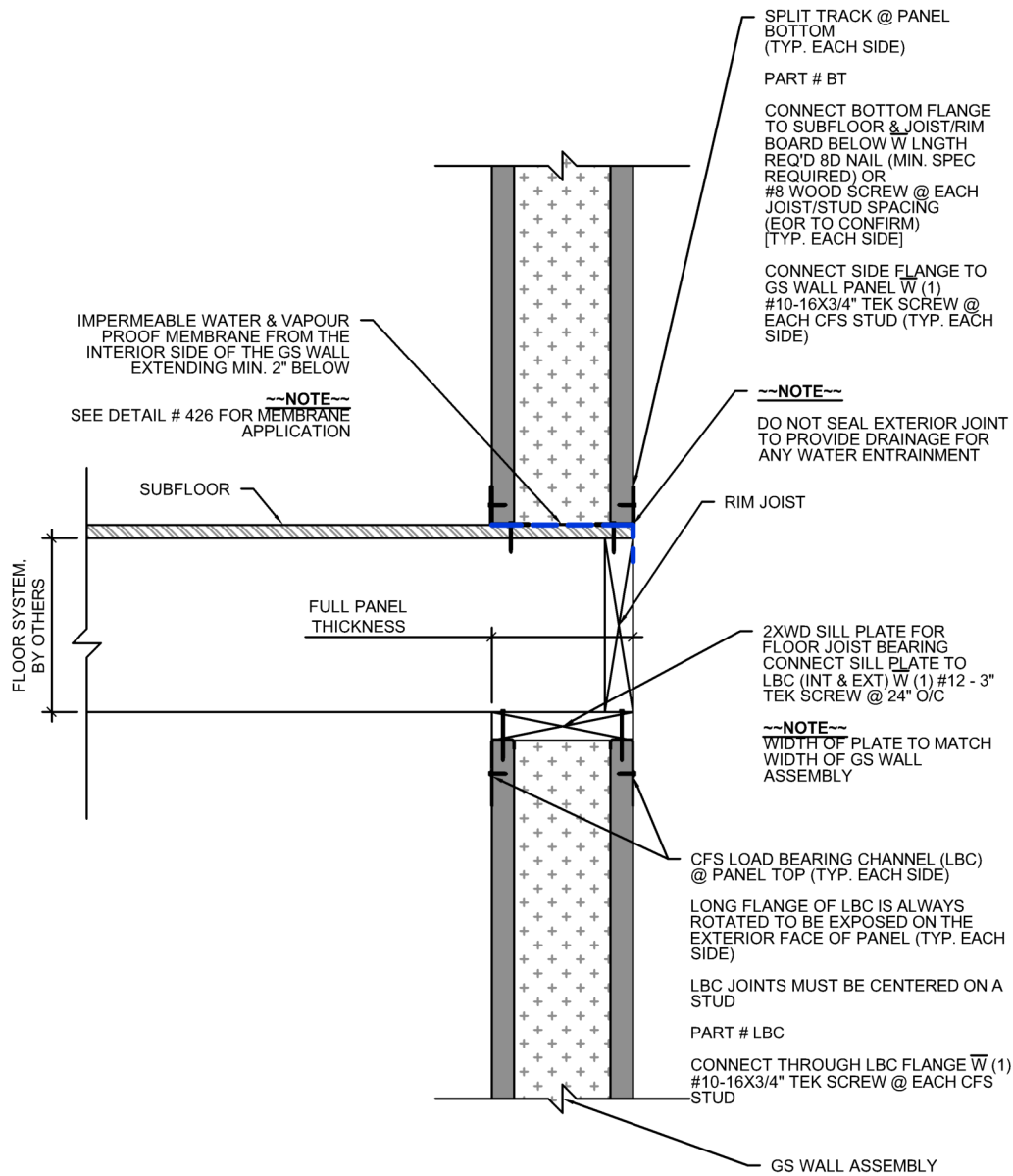
FASTENER SPACING TO MATCH WALL
STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF
FASTENERS BETWEEN TRACK, WALL
PANEL, AND SUBSTRATE FOR PROJECT
SPECIFIC STRUCTURAL LOAD TRANSFER

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

GSBP.CA | GREENSTONE BUILDING PRODUCTS



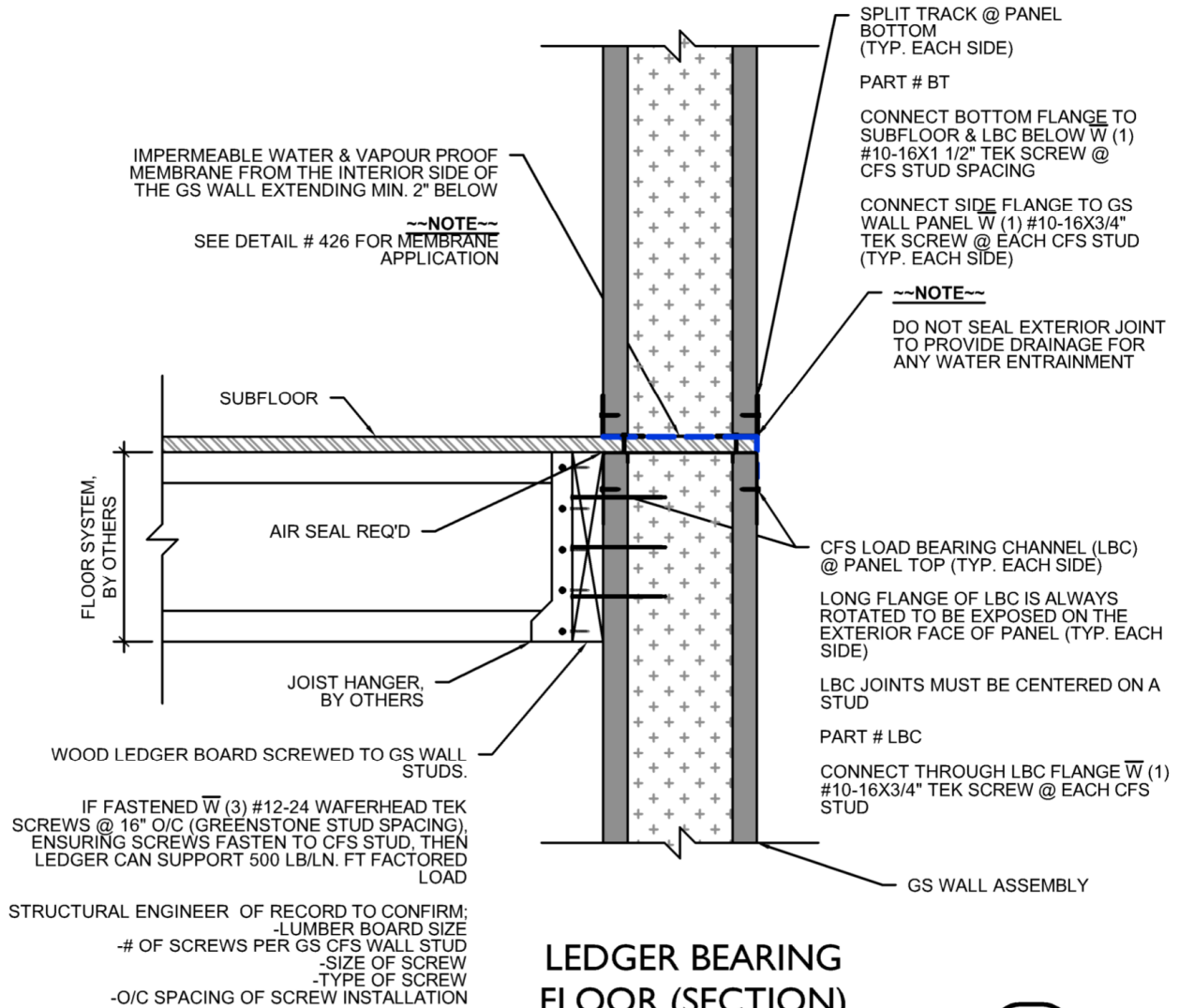
FULL BEARING FLOOR W SILL
PLATE (SECTION)

N.T.S. 423

---NOTE---

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER



N.T.S.

424

~~NOTE~~

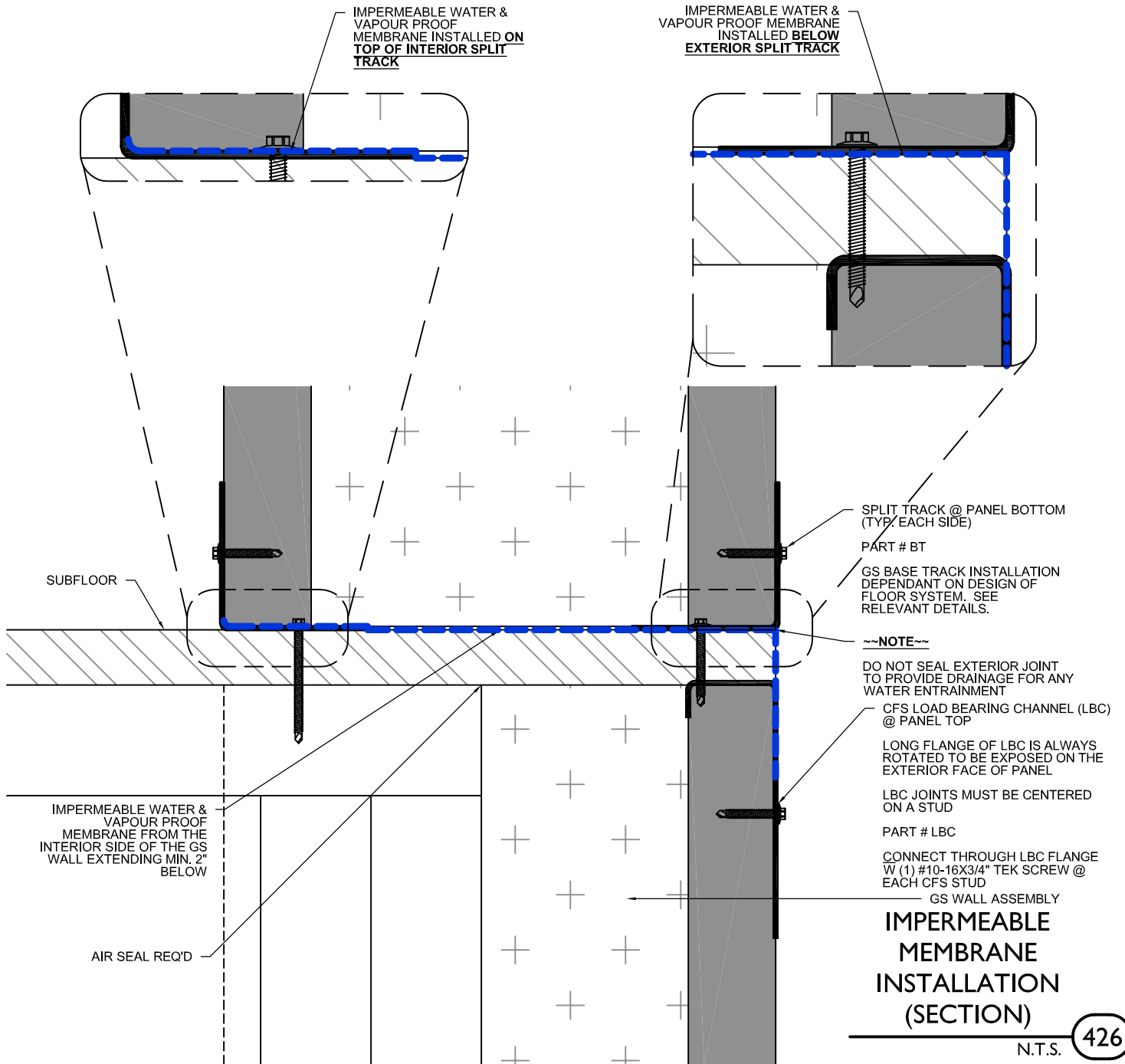
FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

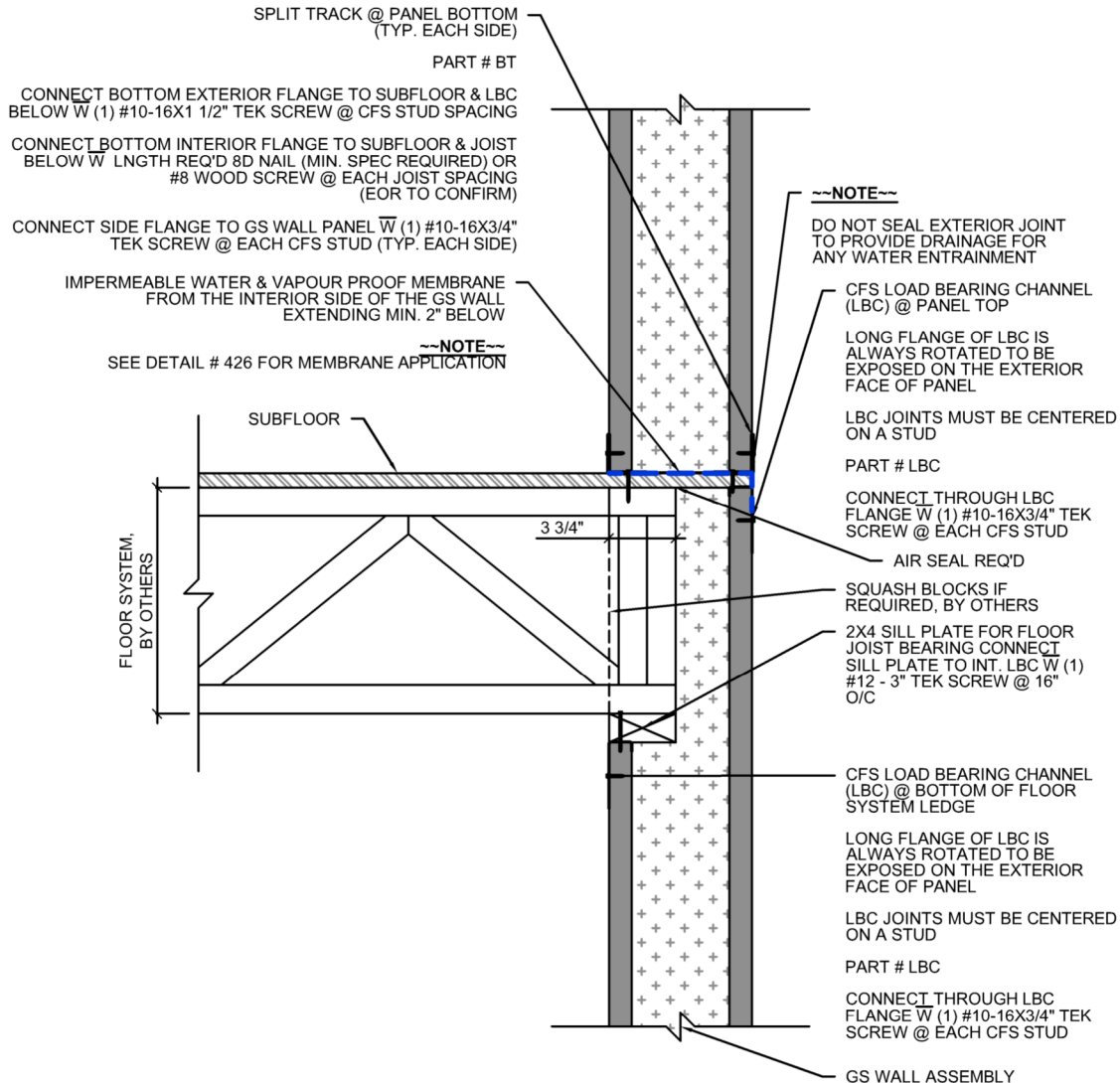
EOB TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

STANDARD CONNECTION DETAILS

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**FLOOR LEDGE
(BOTTOM CHORD BEARING)**

[SECTION]

N.T.S.

430

---NOTE---

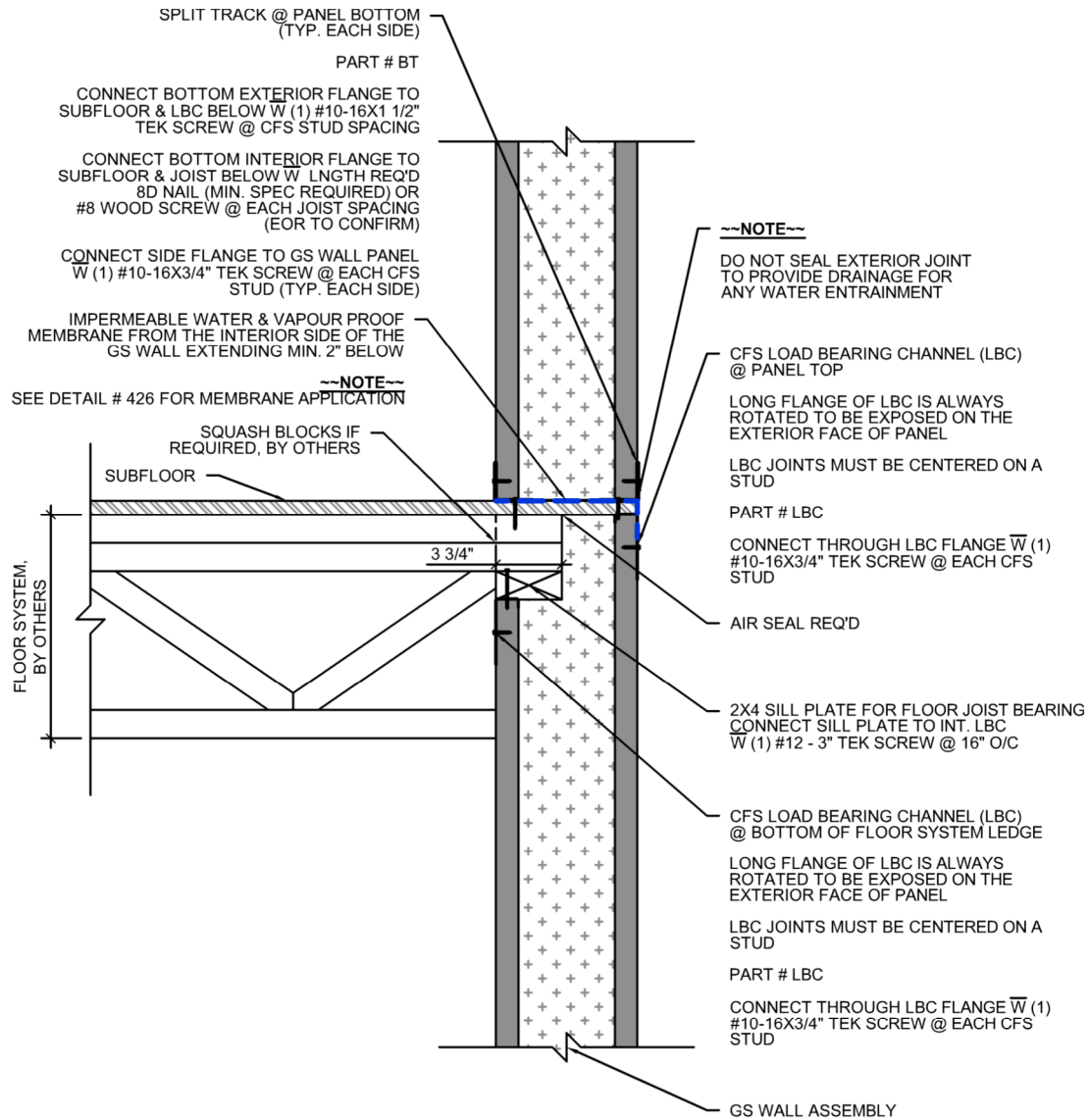
FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

GSBP.CA | GREENSTONE BUILDING PRODUCTS

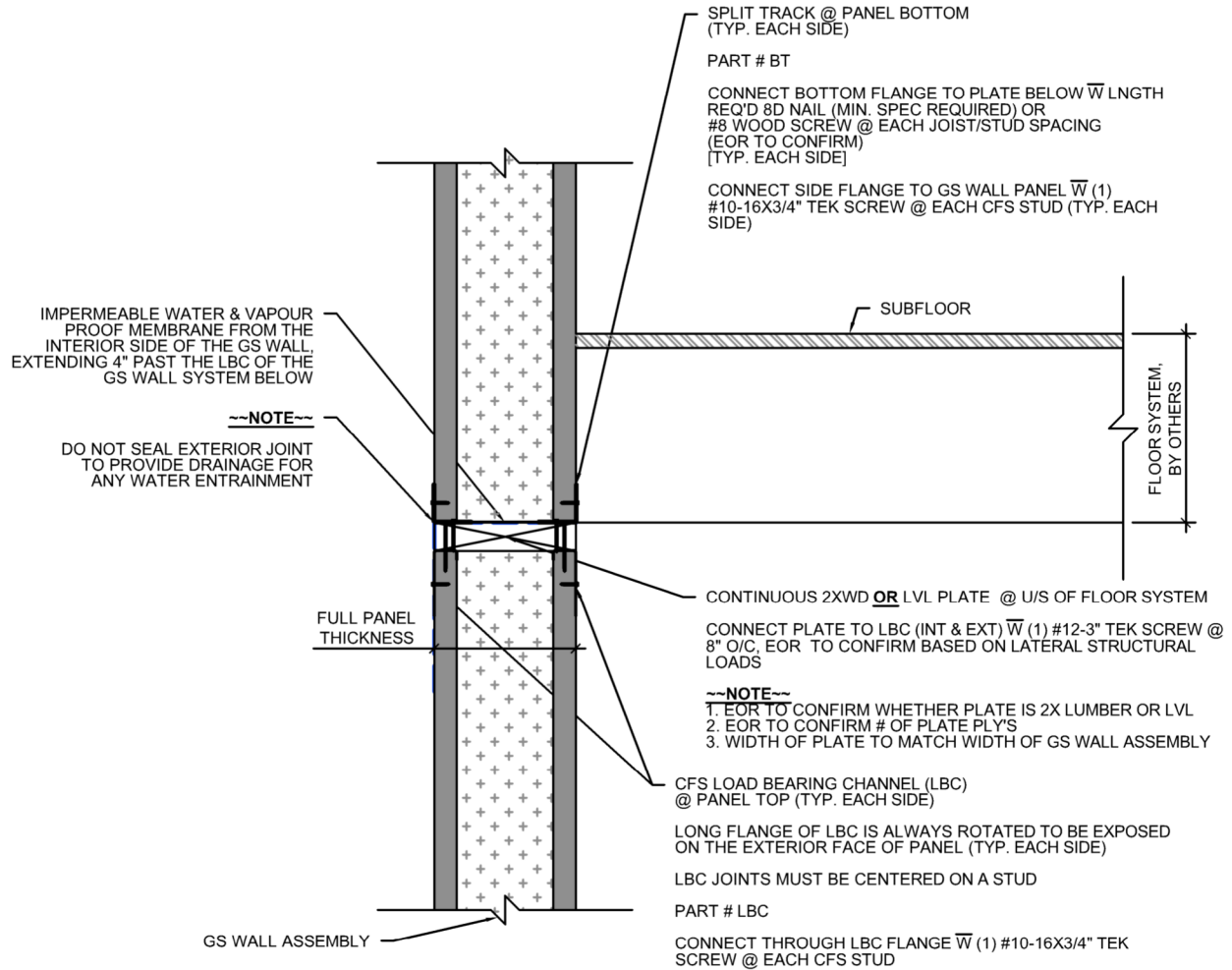


FLOOR LEDGE
(TOP CHORD BEARING)
[SECTION]

N.T.S. 431

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER



STAIRWELL WALL BREAK (LOW)
[SECTION]

N.T.S.

432

~NOTE~

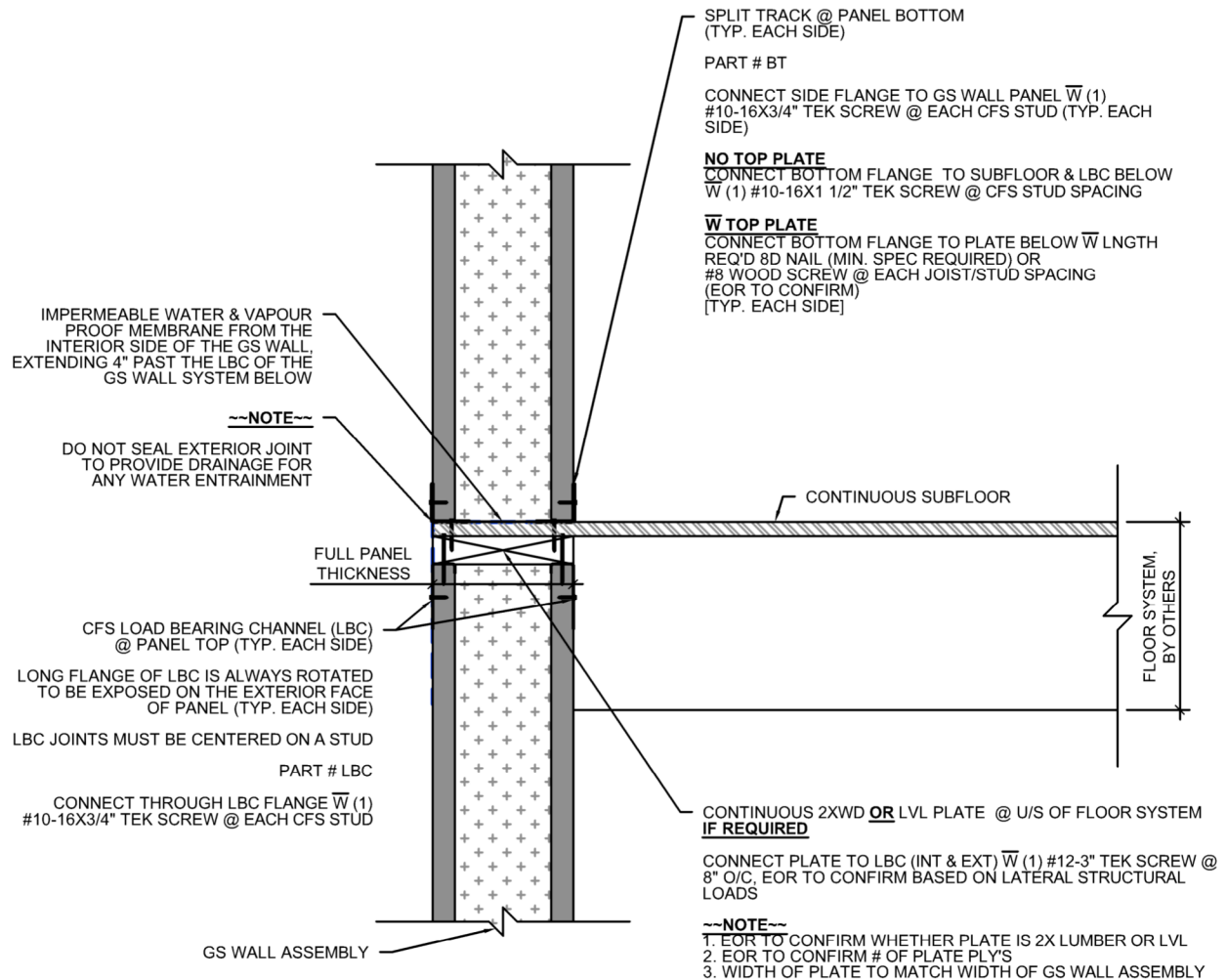
FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

STANDARD CONNECTION DETAILS

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STAIRWELL WALL BREAK (HIGH) [SECTION]

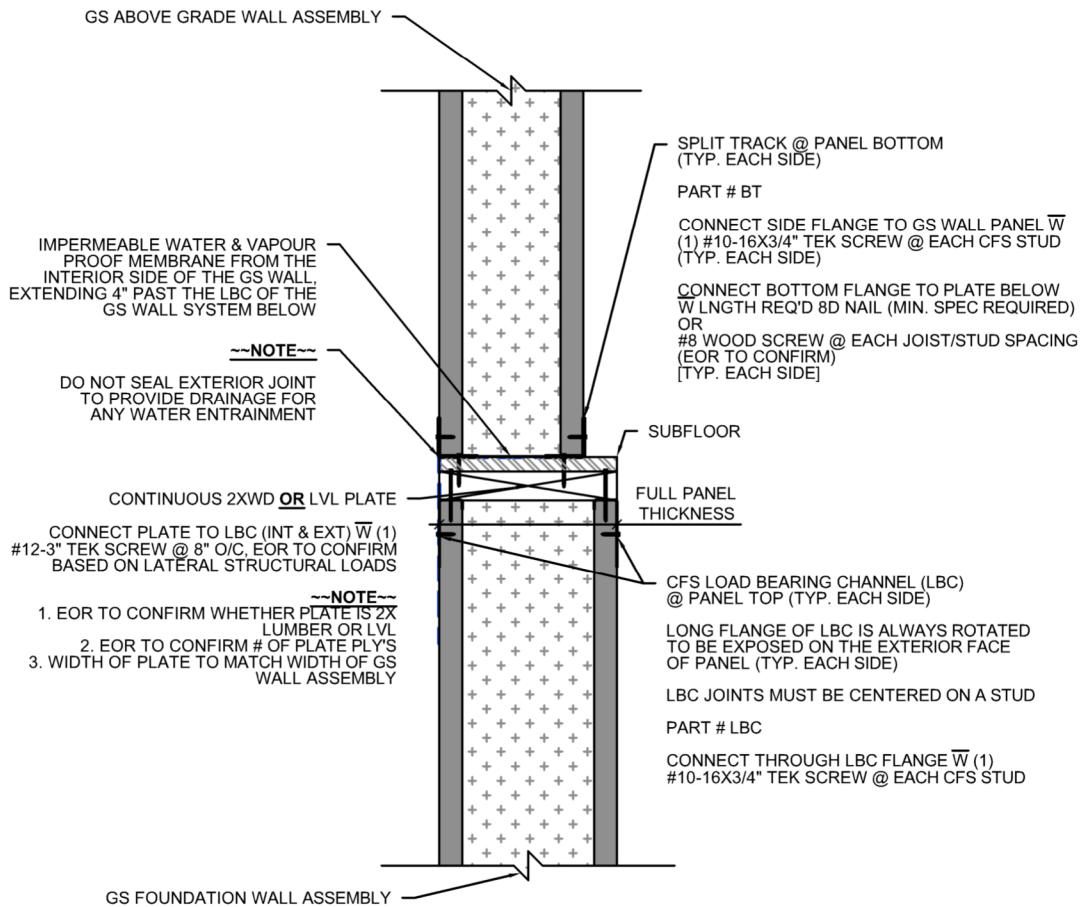
N.T.S.

433

---NOTE---

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER



**STAIRWELL WALL BREAK
(FOUNDATION) [SECTION]**

N.T.S.

434

~~NOTE~~

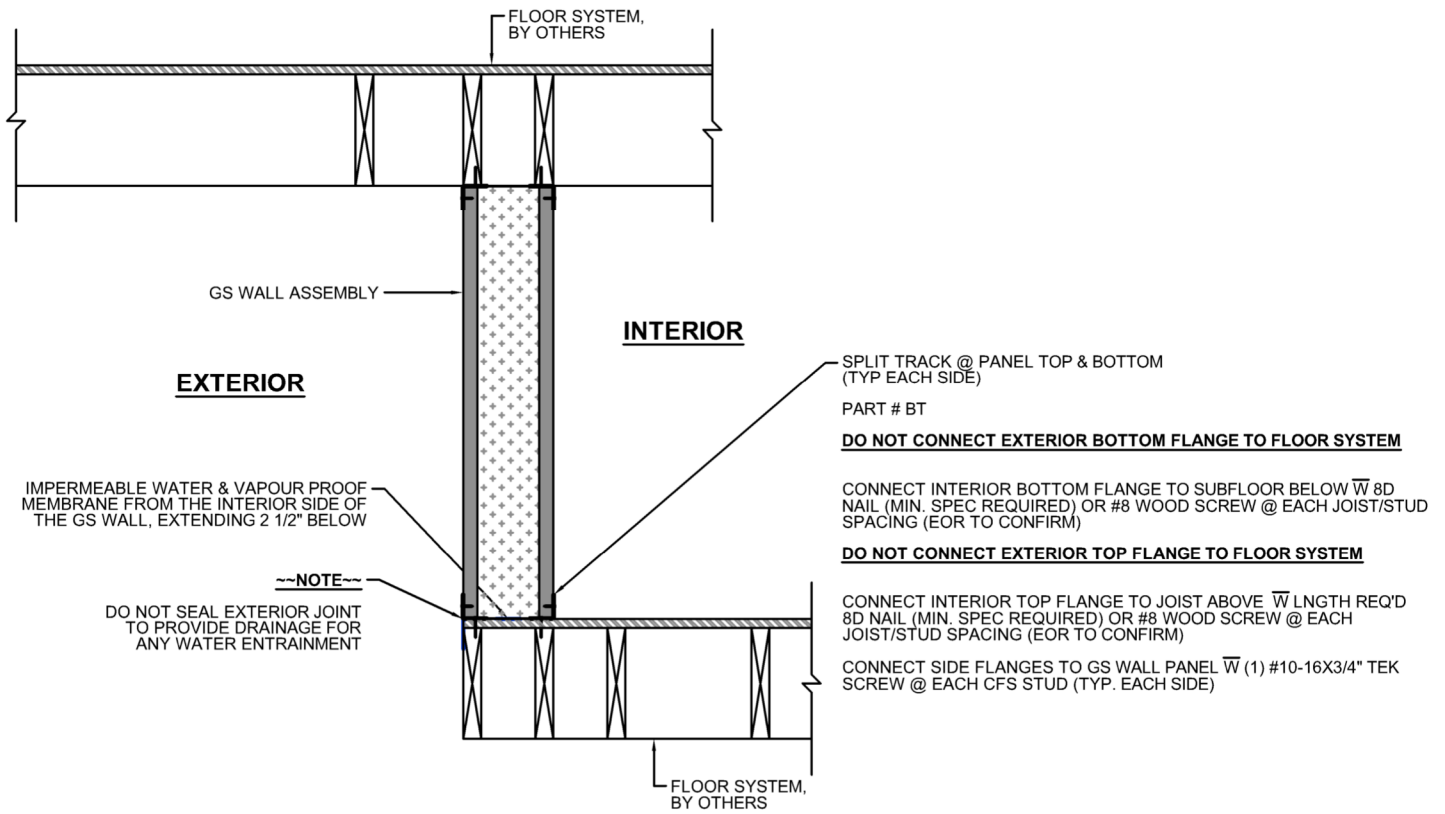
FASTENER SPACING TO MATCH WALL
STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING
OF FASTENERS BETWEEN TRACK,
WALL PANEL, AND SUBSTRATE FOR
PROJECT SPECIFIC STRUCTURAL LOAD
TRANSFER

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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REMOVABLE GS WALL INSTALLATION [SECTION]

N.T.S.

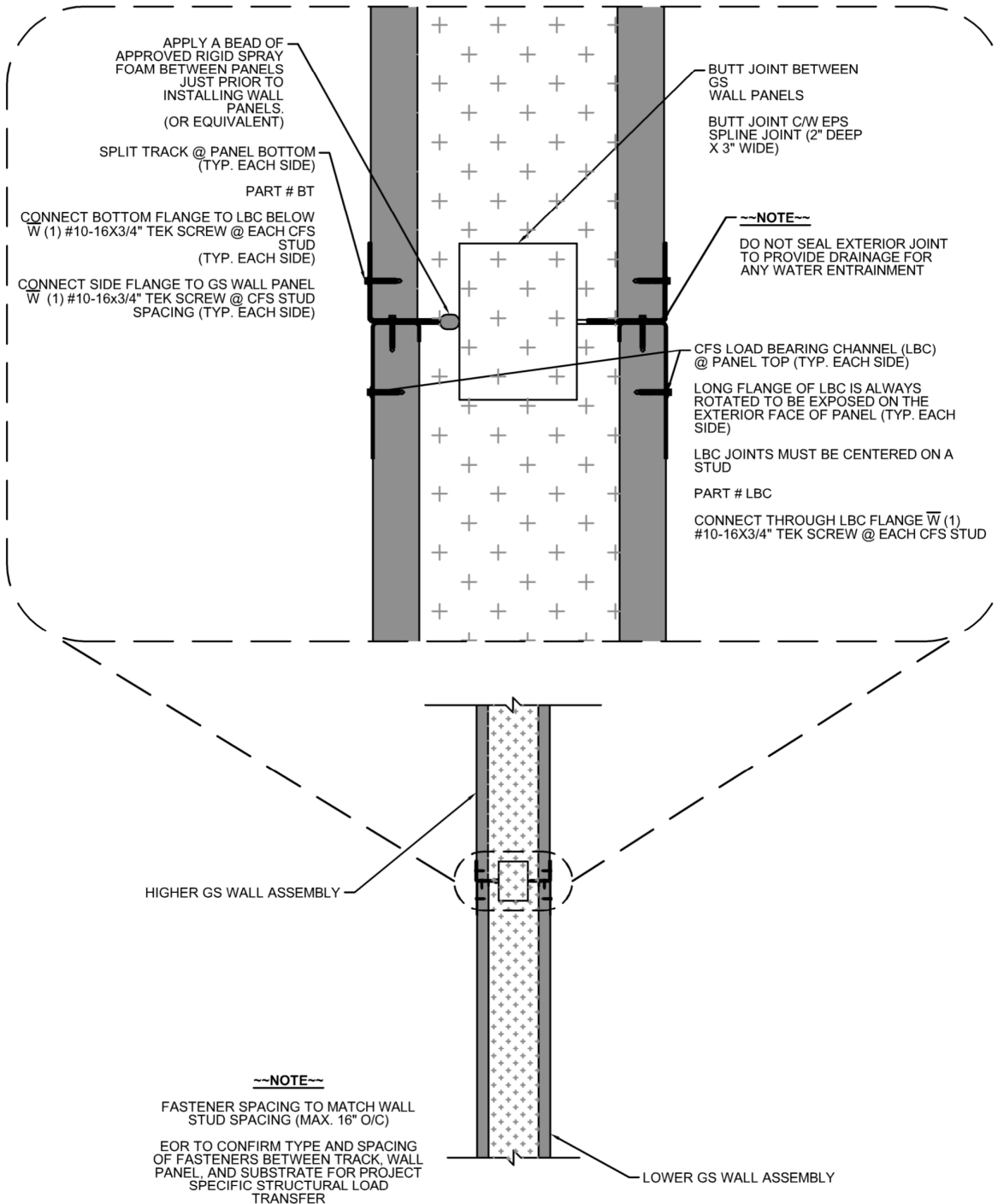
435

~NOTE~

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

STRUCTURAL ENGINEER OF RECORD TO CONFIRM CONNECTORS AND FASTENERS MEET DESIGN INTENT AND CAN TRANSFER APPLIED LOADS AS REQUIRED.



**GS BASE INSTALLATION LOWER GS WALL
(CONTINUOUS) [SECTION]**

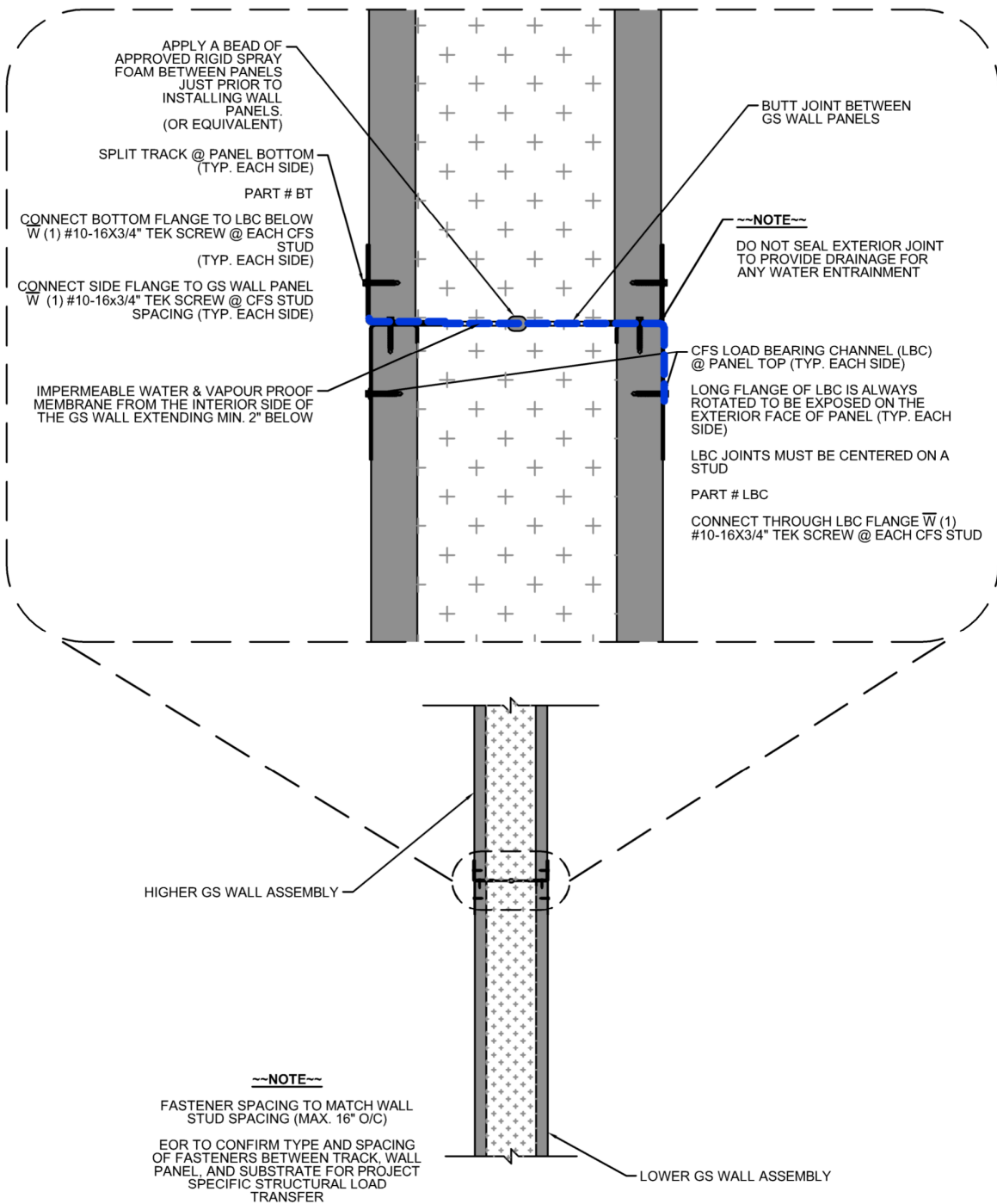
N.T.S.

441

STANDARD CONNECTION DETAILS

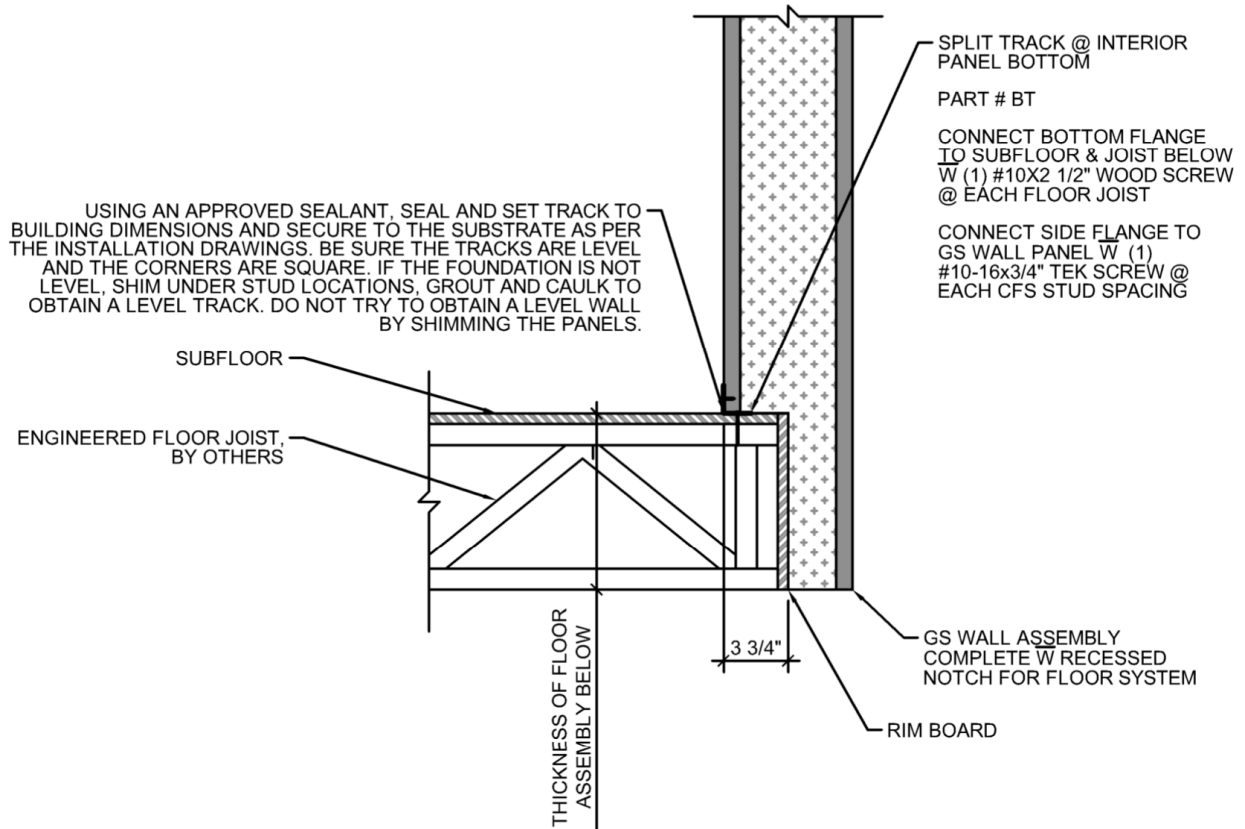
2025.03.04 | LATEST REVISION

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GS BASE INSTALLATION LOWER GS WALL
(CONTINUOUS) [SECTION]

N.T.S. 442



GS WALL ASSEMBLY W BOTTOM LEDGE (SECTION)

N.T.S.

450

~~NOTE~~

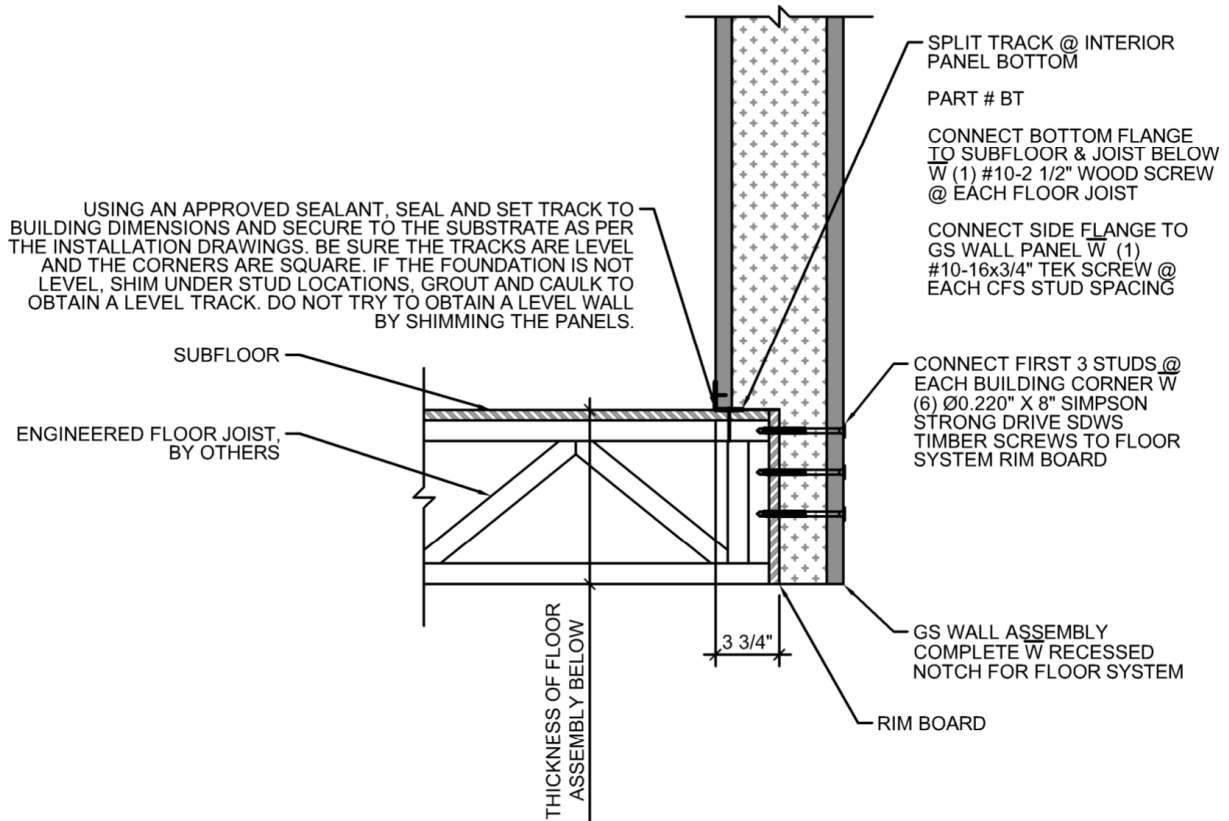
FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

FOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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GS WALL ASSEMBLY W BOTTOM LEDGE @ CORNERS (SECTION)

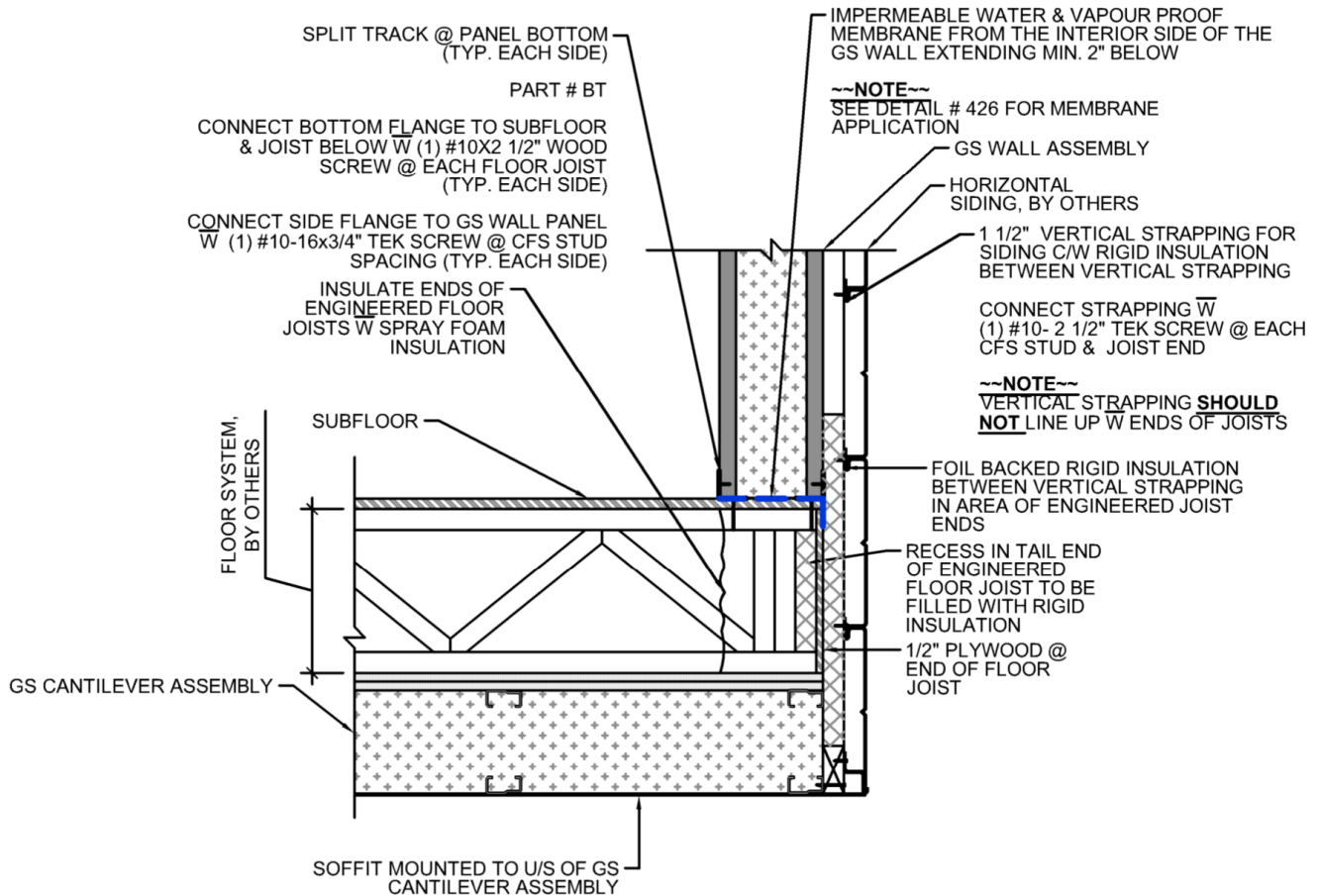
N.T.S.

451

~NOTE~

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

FOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER



CANTILEVER INSULATION W EXT. STRAPPING FOR SIDING

N.T.S.

452

~~NOTE~~

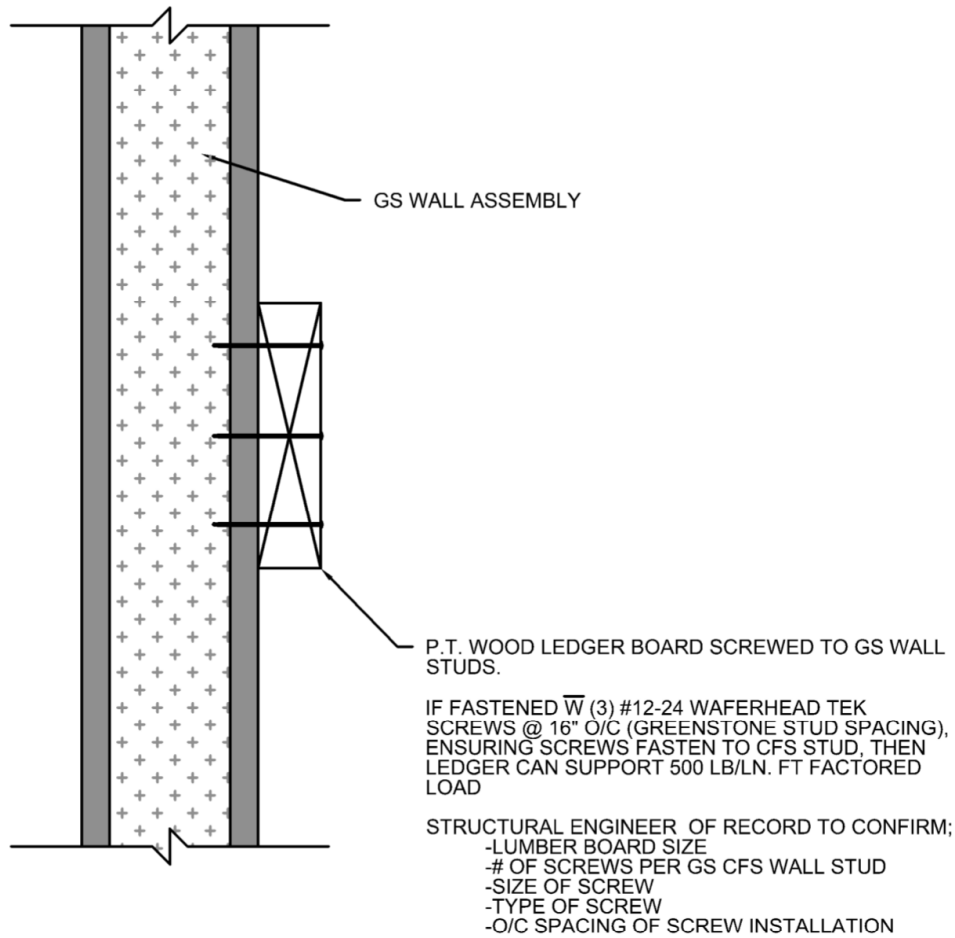
FASTENER SPACING TO MATCH WALL STUD
SPACING (MAX. 16" O/C)

FOR TO CONFIRM TYPE AND SPACING OF
FASTENERS BETWEEN TRACK, WALL
PANEL, AND SUBSTRATE FOR PROJECT
SPECIFIC STRUCTURAL LOAD TRANSFER

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

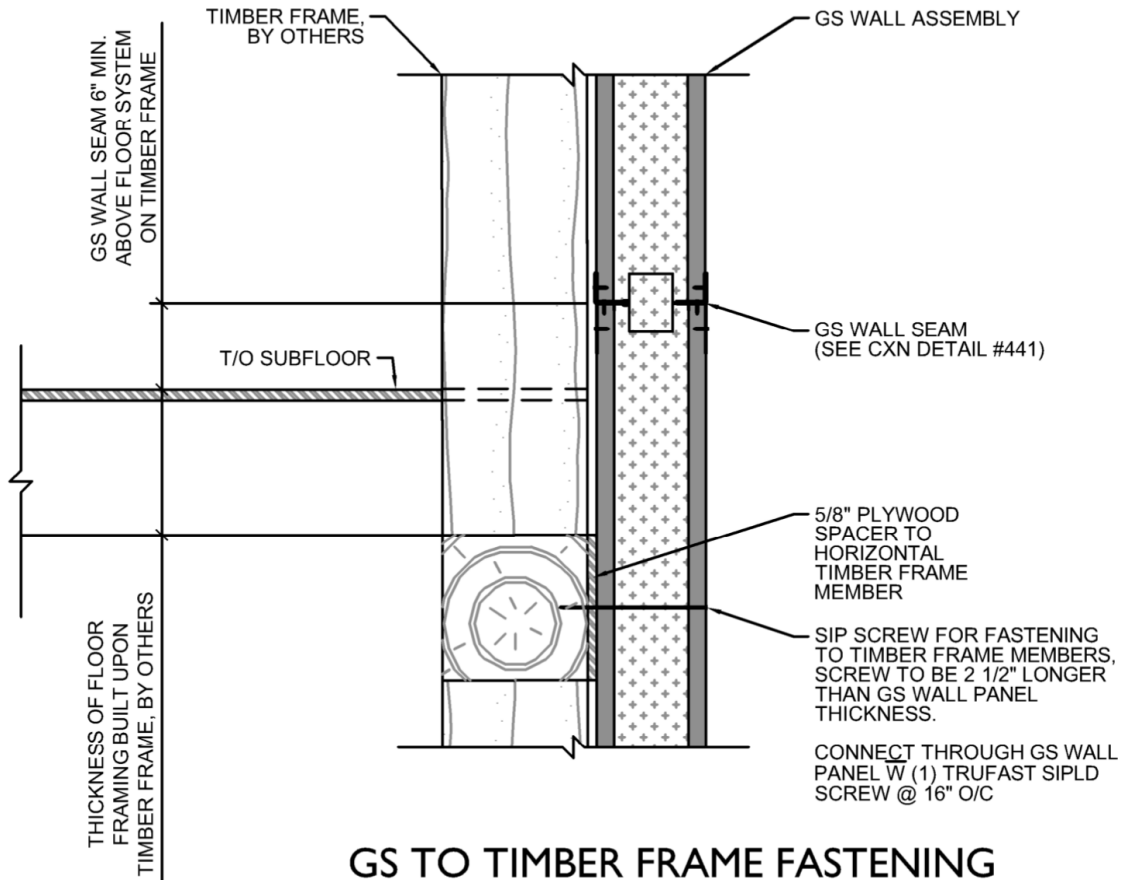
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LEDGER BOARD INSTALLATION (SECTION)

N.T.S.

460



GS TO TIMBER FRAME FASTENING [SECTION]

N.T.S.

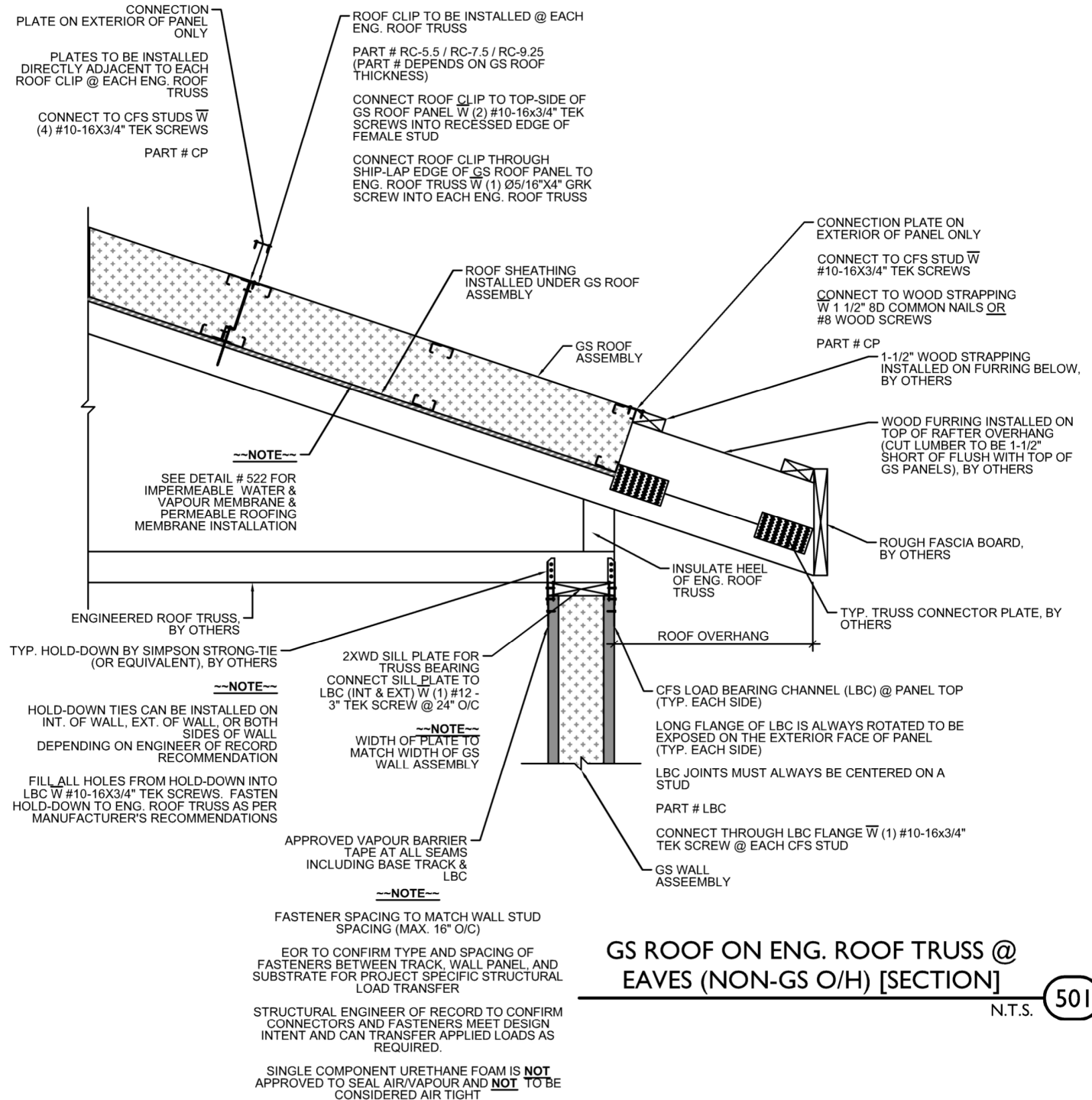
461

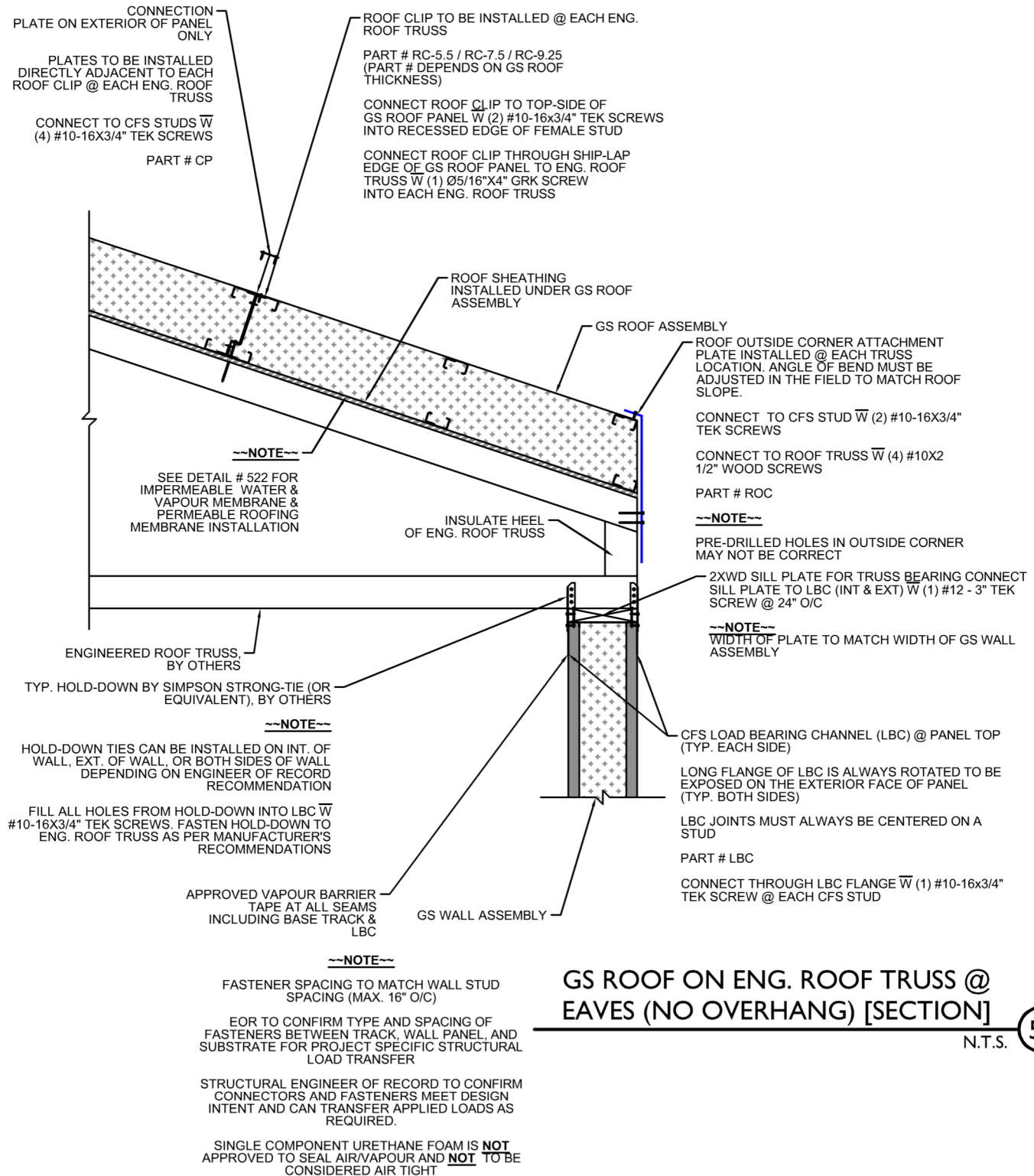
~NOTE~

FASTENER SPACING TO MATCH WALL
STUD SPACING (MAX. 16" O/C)

FOR TO CONFIRM TYPE AND SPACING
OF FASTENERS BETWEEN TRACK, WALL
PANEL, AND SUBSTRATE FOR PROJECT
SPECIFIC STRUCTURAL LOAD
TRANSFER

GSBP.CA | GREENSTONE BUILDING PRODUCTS





GS ROOF ON ENG. ROOF TRUSS @ EAVES (NO OVERHANG) [SECTION]

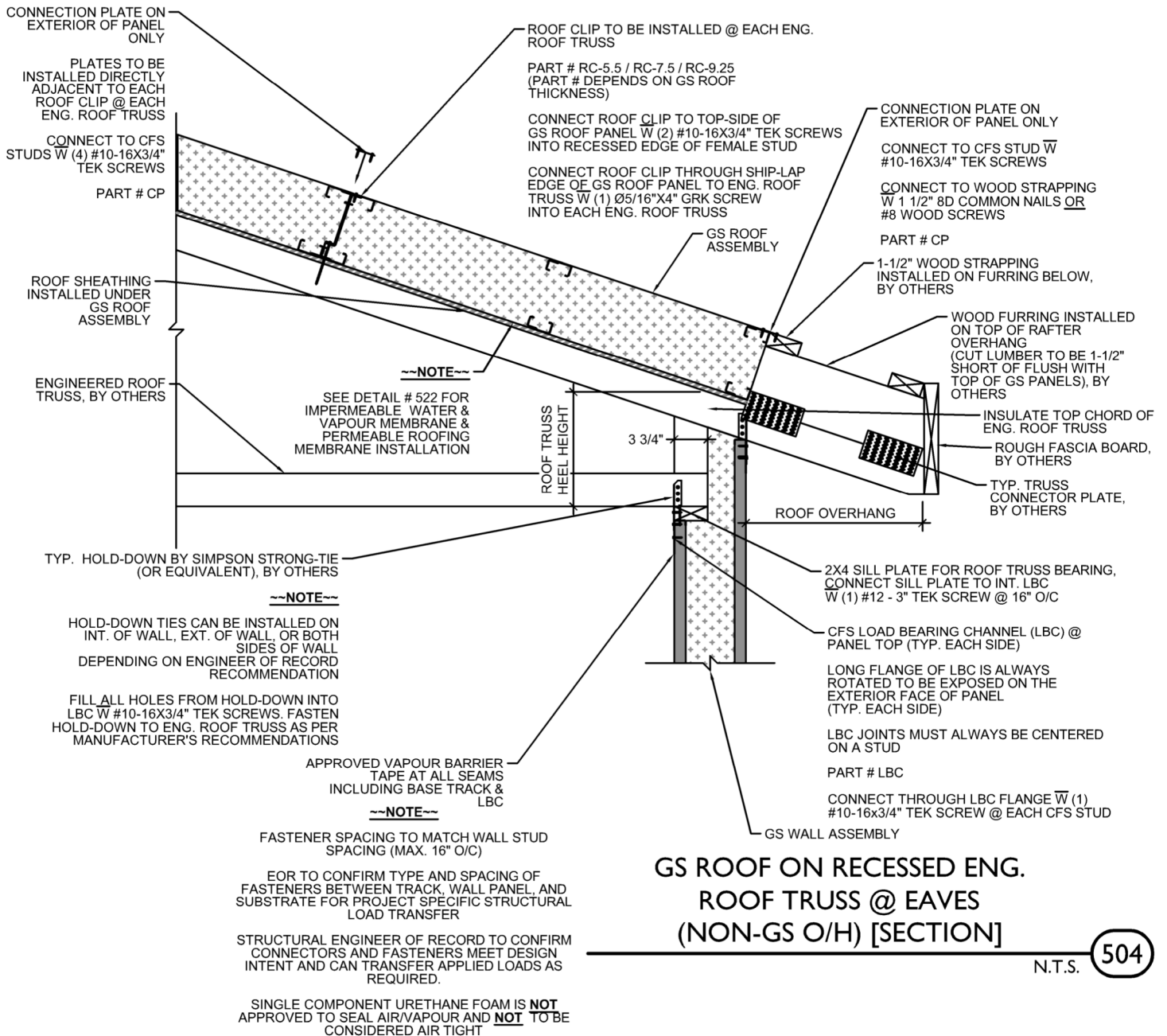
N.T.S.

503

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

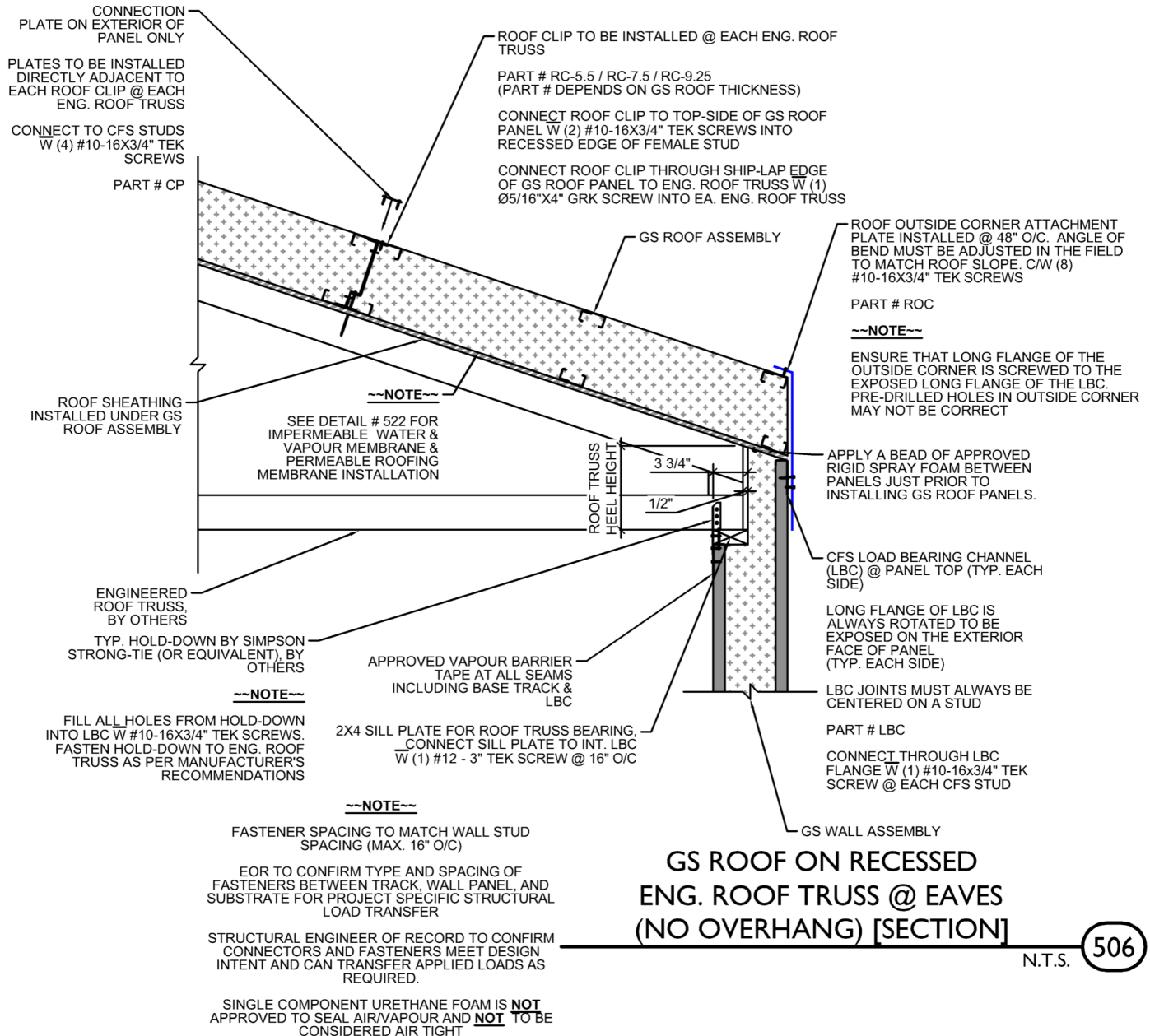
GSBP.CA | GREENSTONE BUILDING PRODUCTS



GS ROOF ON RECESSED ENG. ROOF TRUSS @ EAVES (NON-GS O/H) [SECTION]

N.T.S.

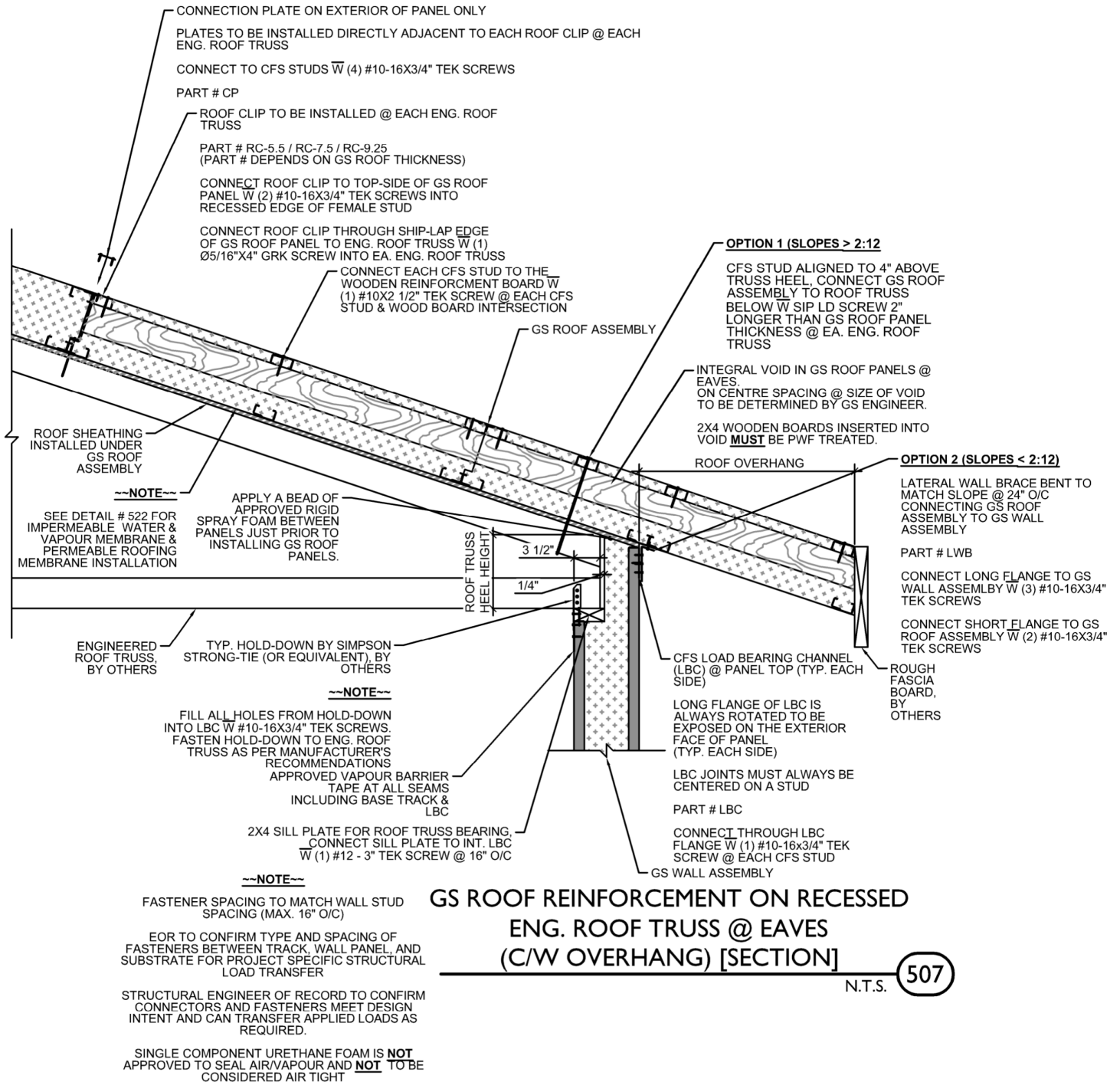
504

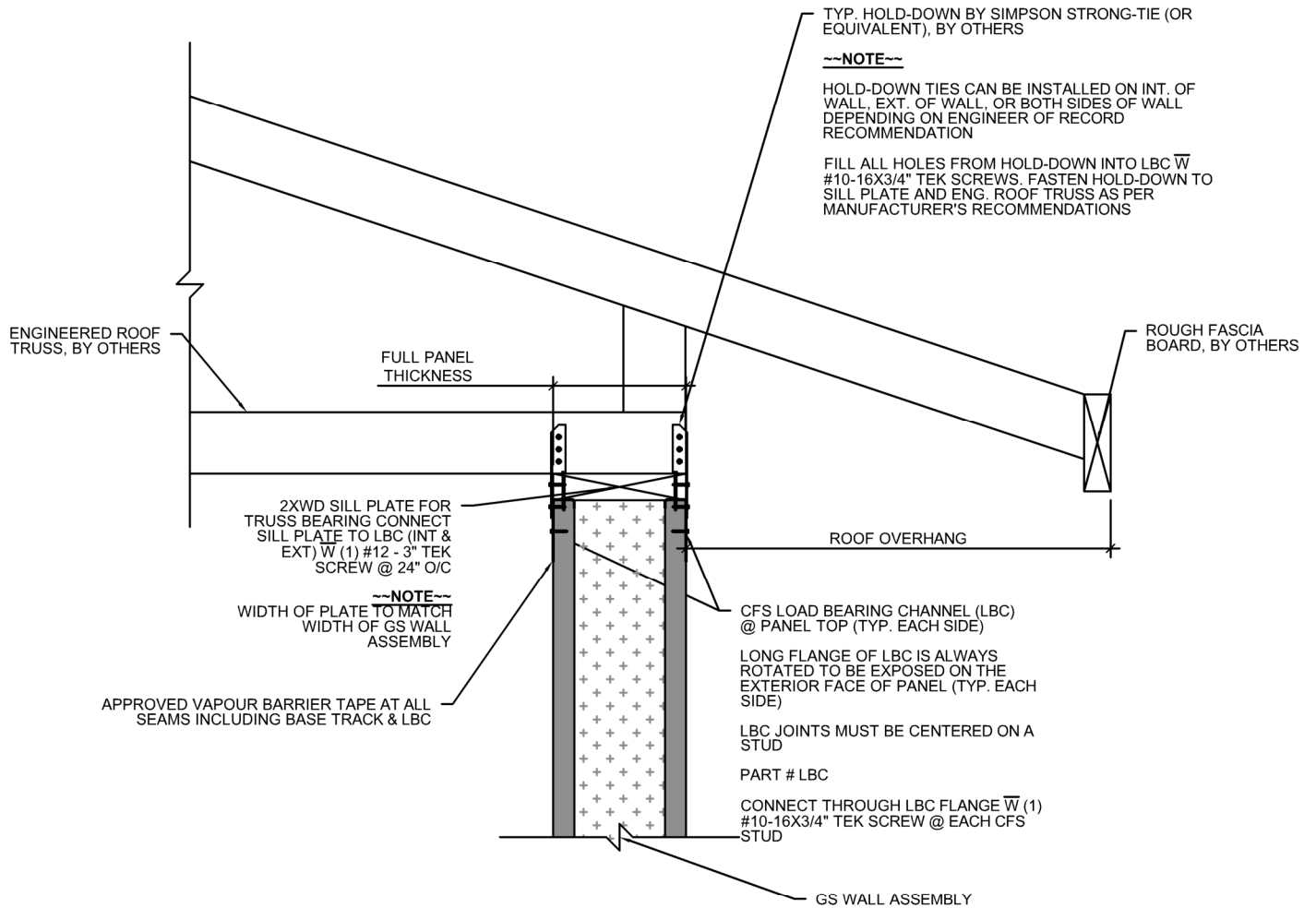


STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

GSBP.CA | GREENSTONE BUILDING PRODUCTS





FULL BEARING ROOF W SILL PLATE (SECTION)

N.T.S.

508

~NOTE~

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

FOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

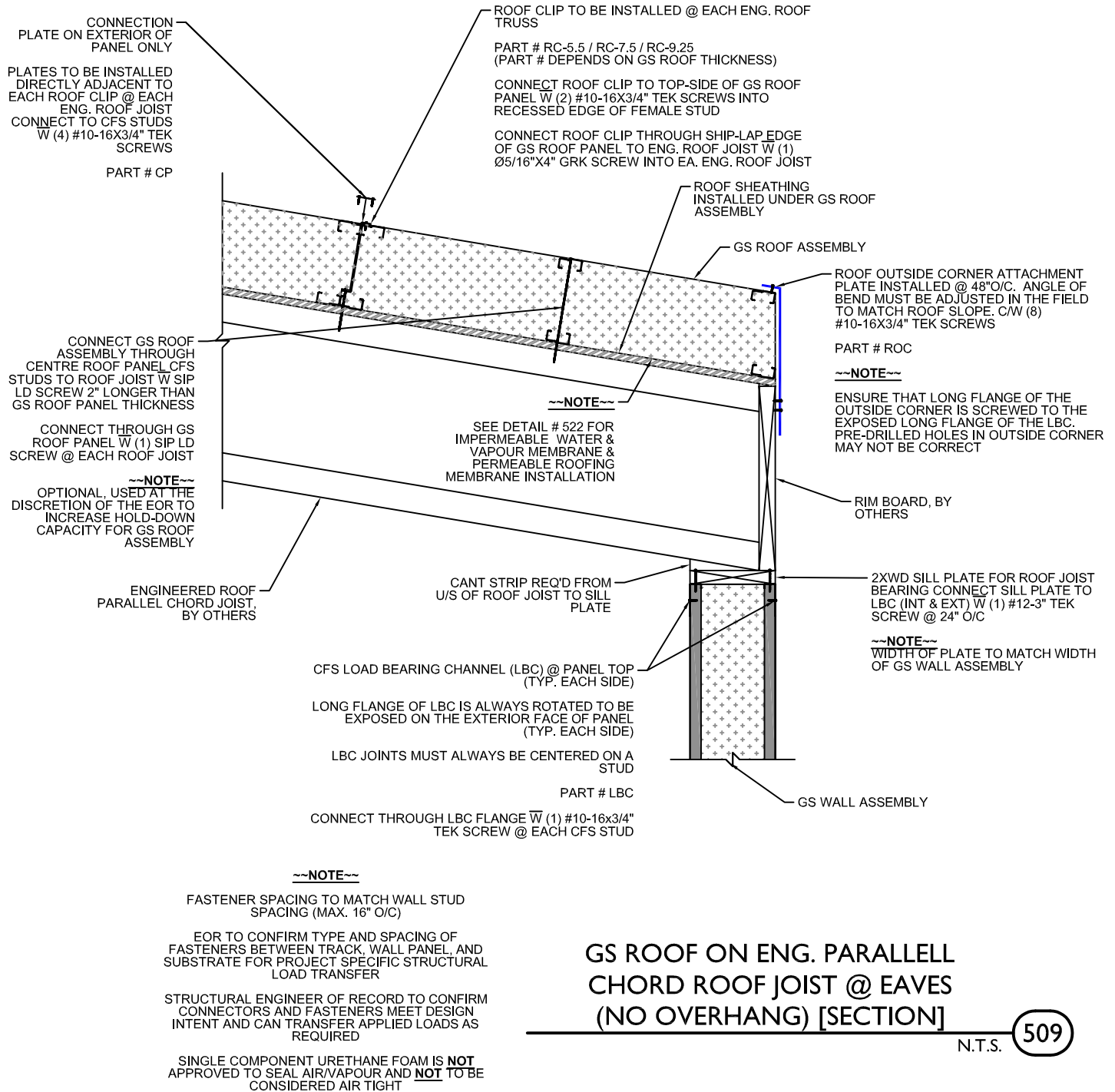
STRUCTURAL ENGINEER OF RECORD TO CONFIRM CONNECTORS AND FASTENERS MEET DESIGN INTENT AND CAN TRANSFER APPLIED LOADS AS REQUIRED.

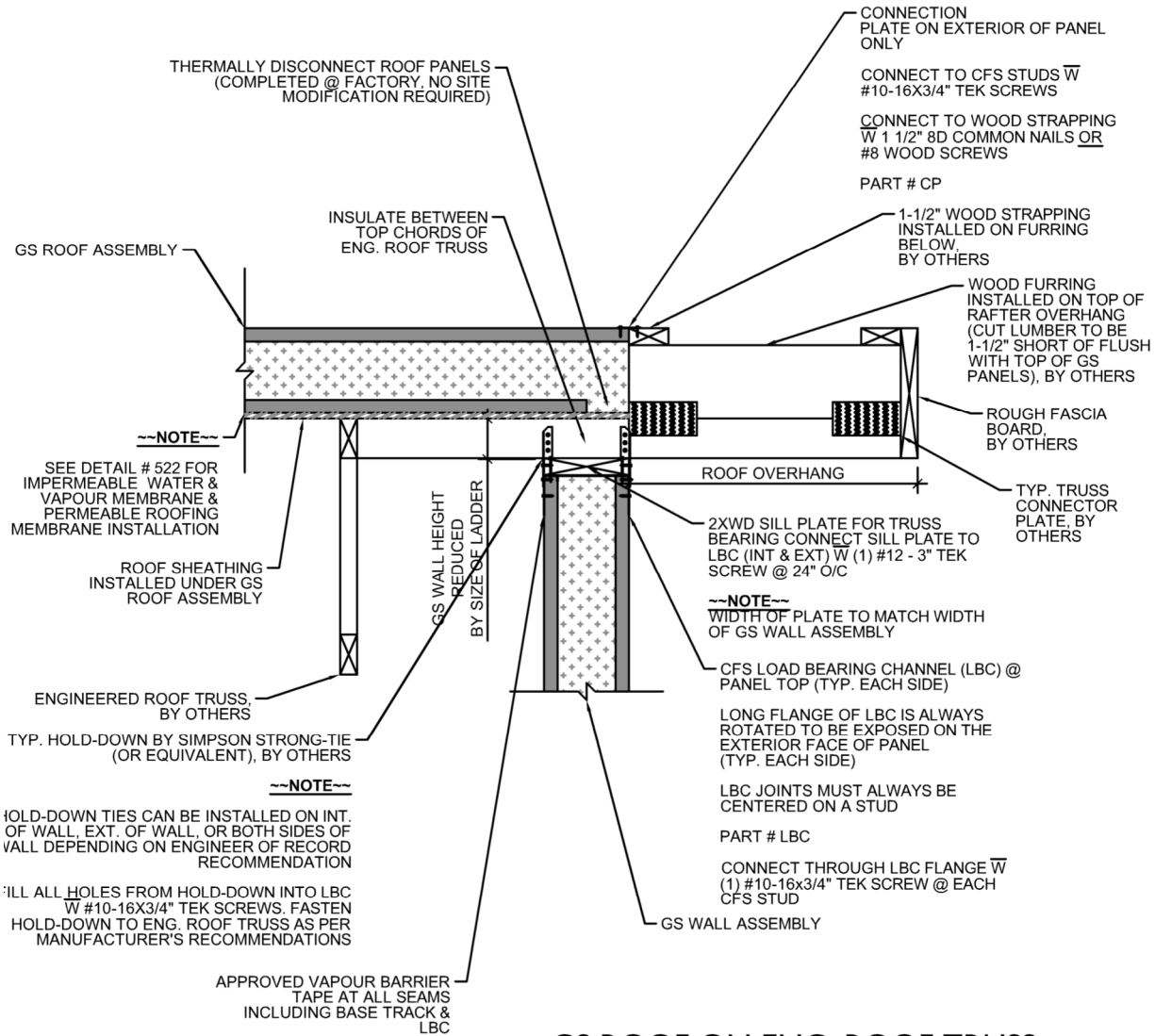
SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

GSBP.CA | GREENSTONE BUILDING PRODUCTS





**GS ROOF ON ENG. ROOF TRUSS
@ GS GABLE WALL (SECTION)**

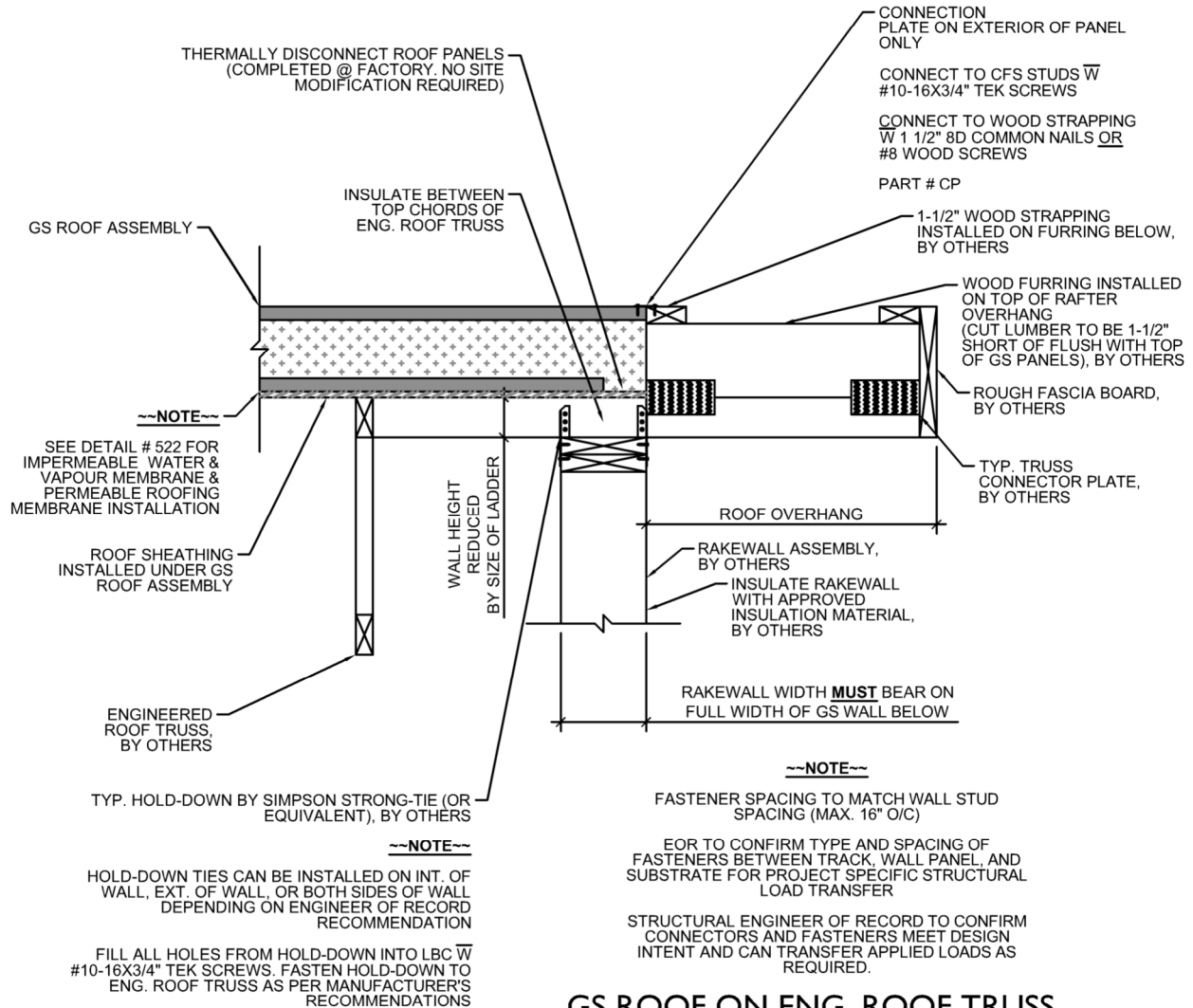
N.T.S.

510

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

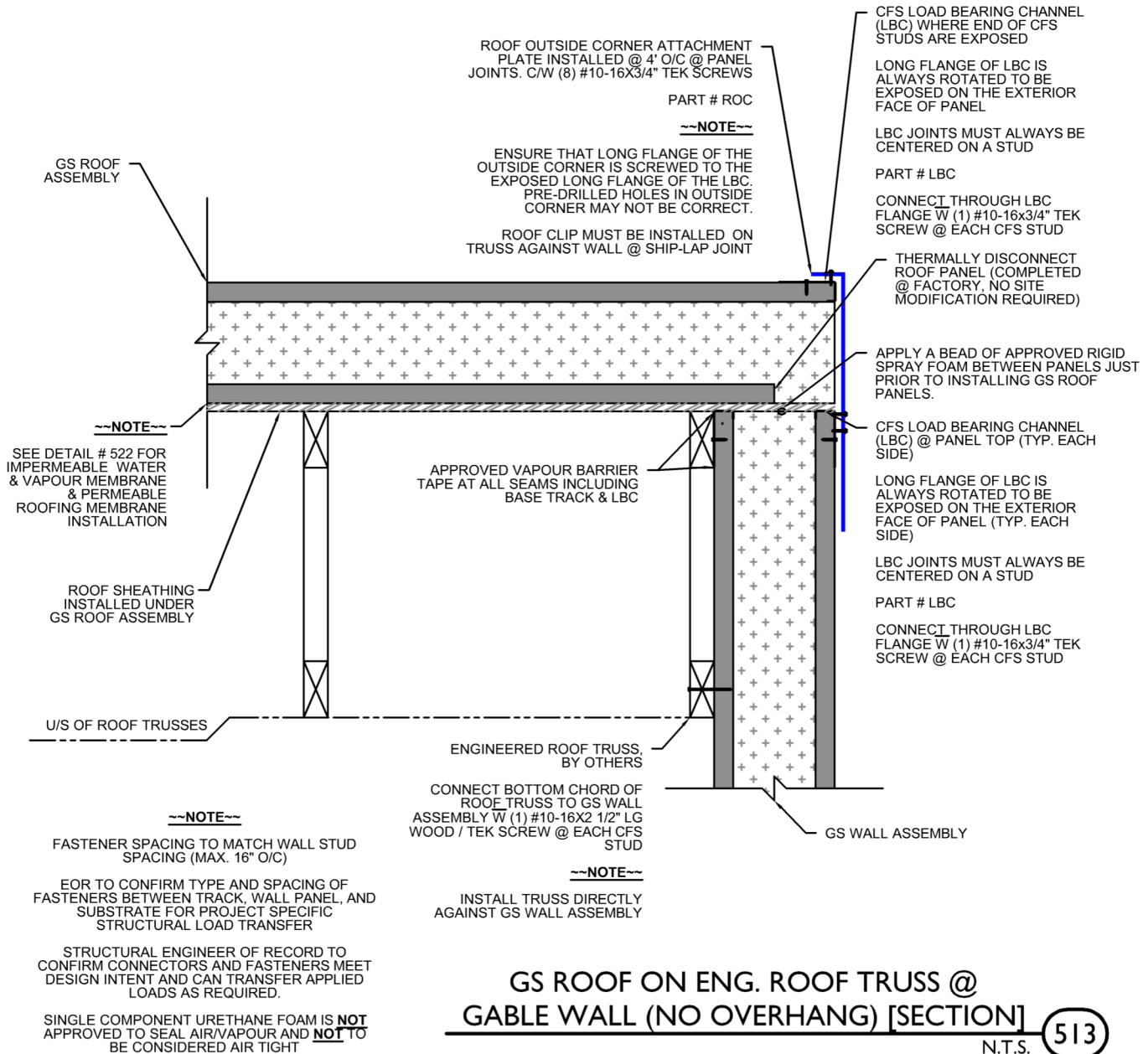
GSBP.CA | GREENSTONE BUILDING PRODUCTS



GS ROOF ON ENG. ROOF TRUSS @ GABLE STUD WALL (SECTION)

N.T.S.

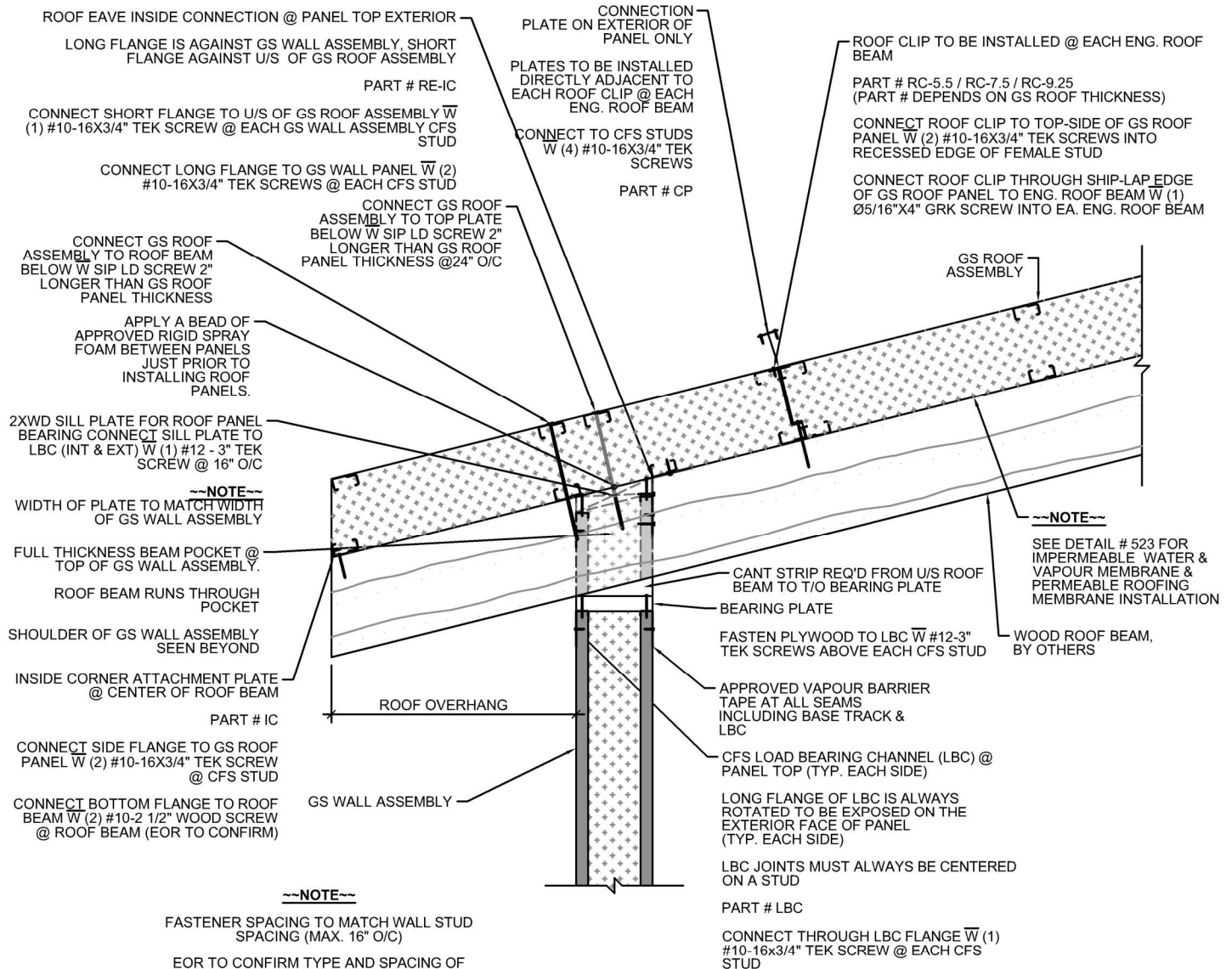
511



STANDARD CONNECTION DETAILS

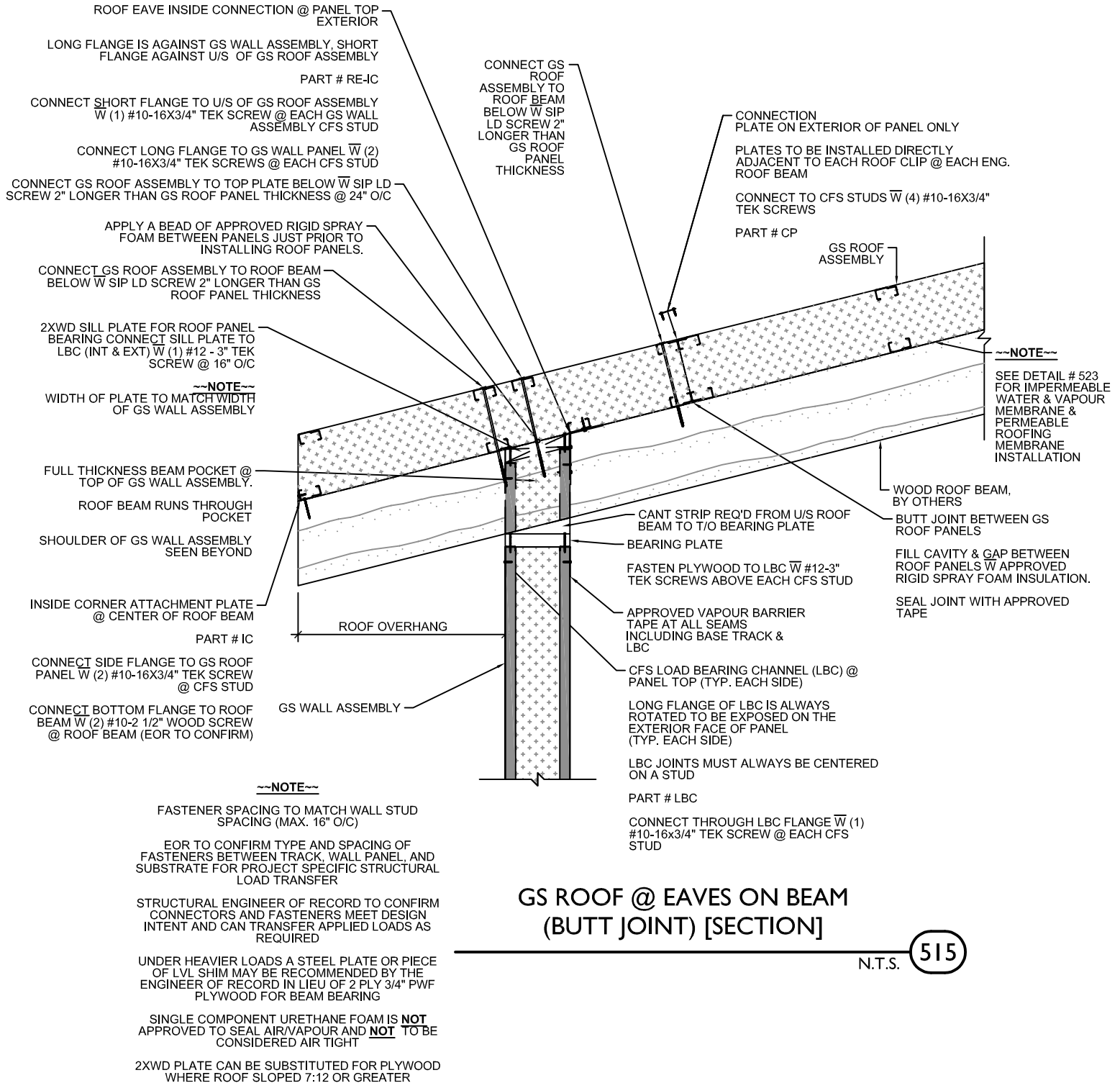
2025.03.04 | LATEST REVISION

GSBP.CA | GREENSTONE BUILDING PRODUCTS



GS ROOF @ EAVES ON BEAM (SHIP-LAP JOINT)[SECTION]

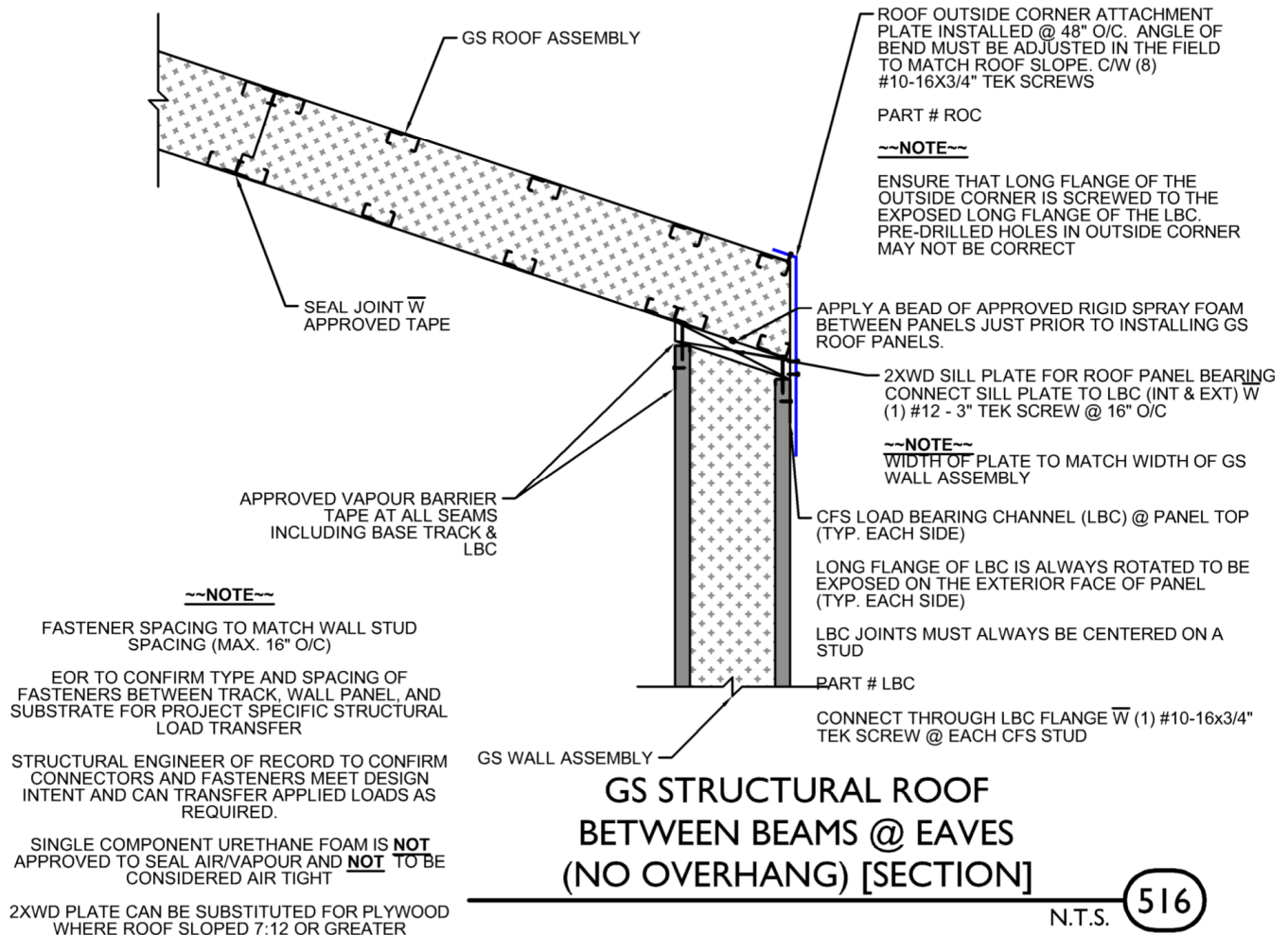
N.T.S. 514

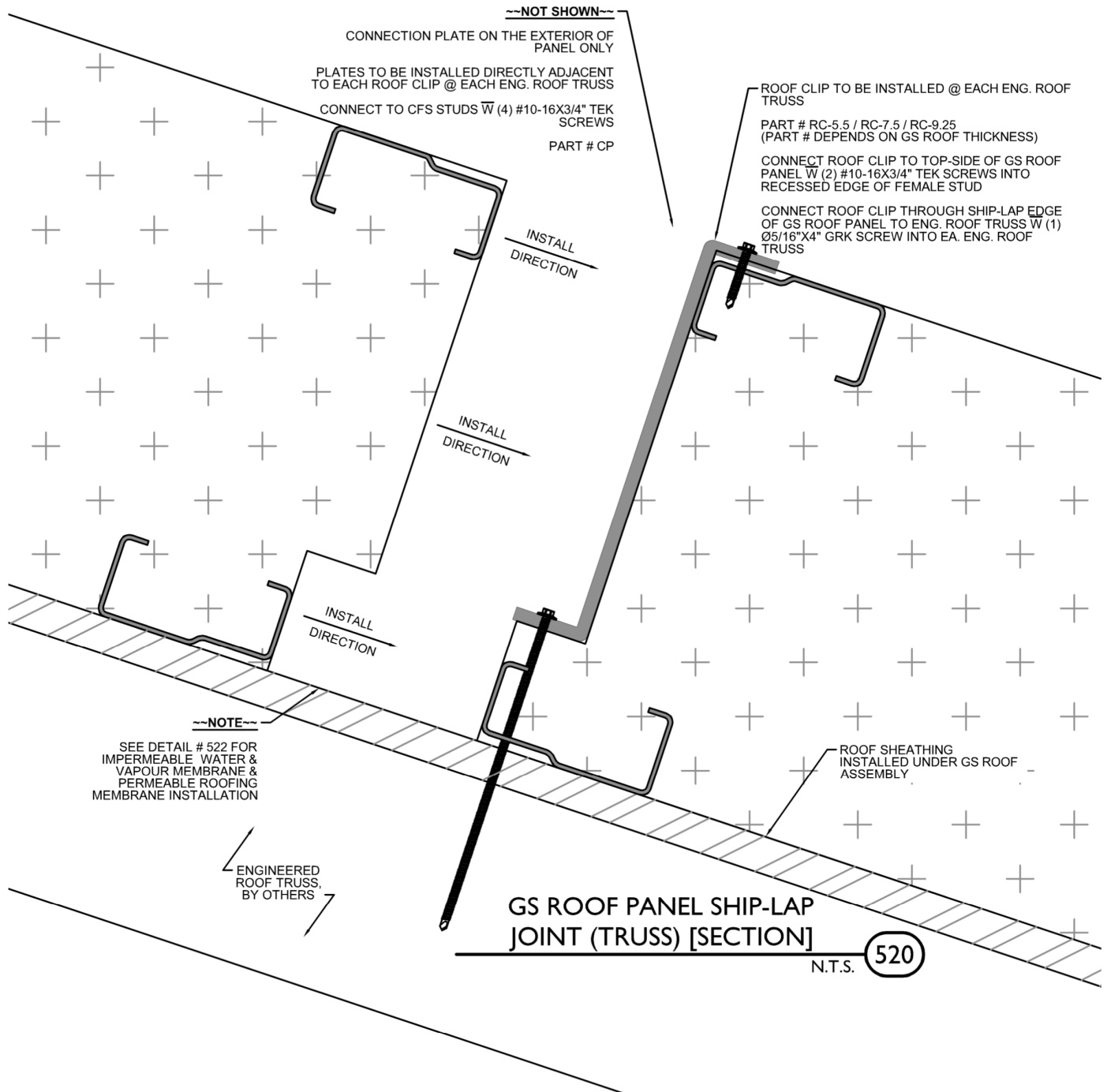


STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

GSBP.CA | GREENSTONE BUILDING PRODUCTS

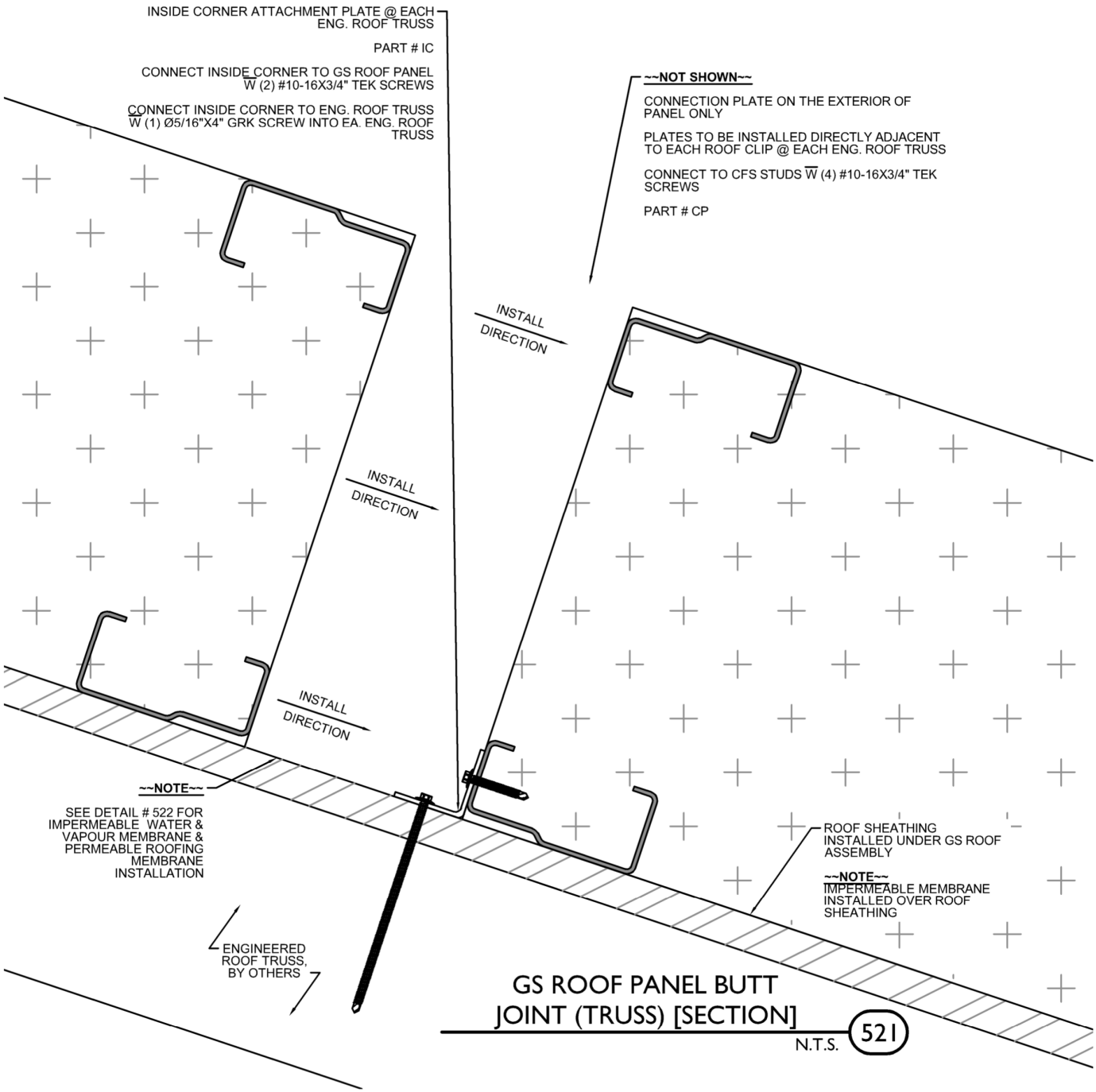


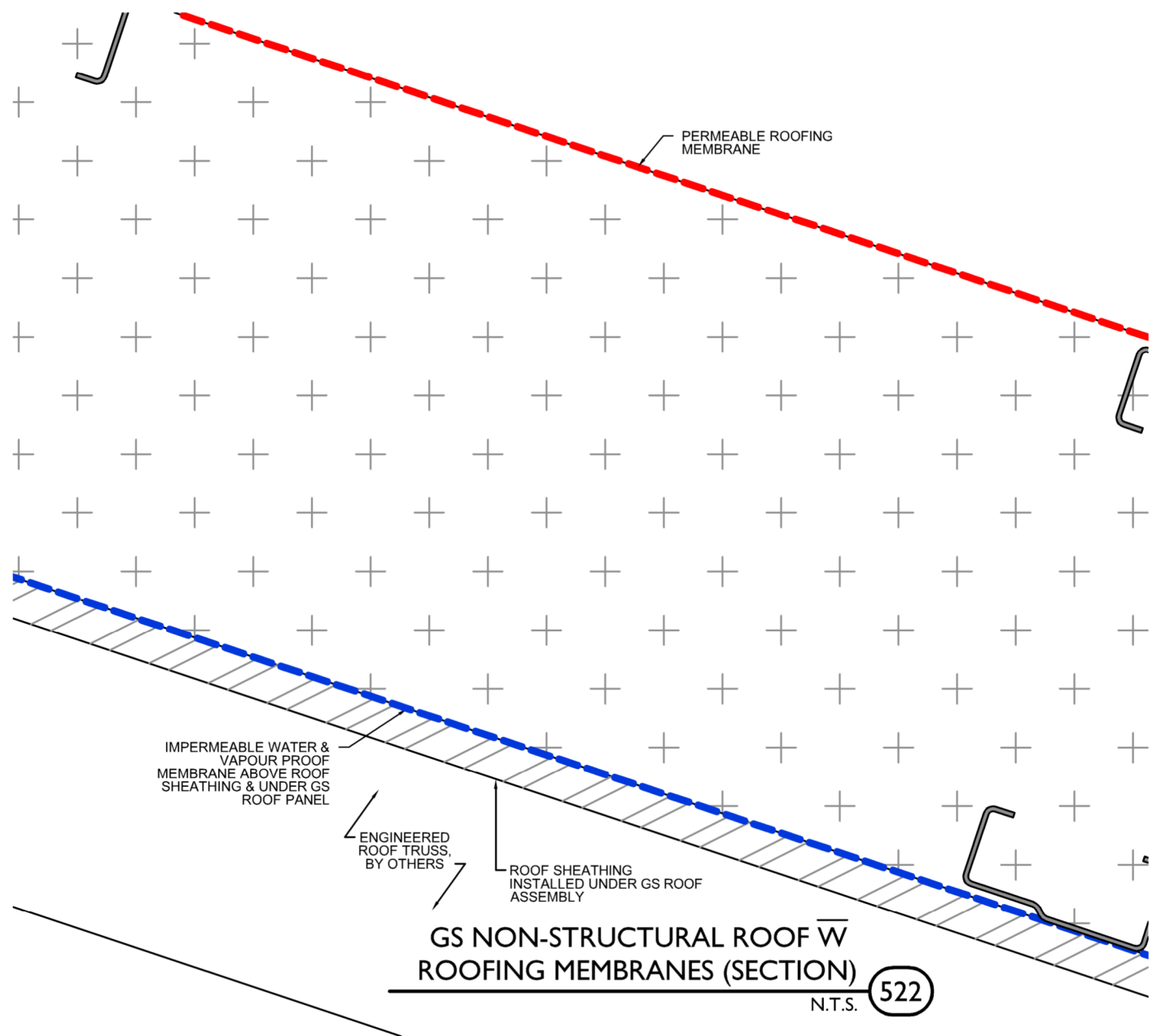


STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

GSBP.CA | GREENSTONE BUILDING PRODUCTS

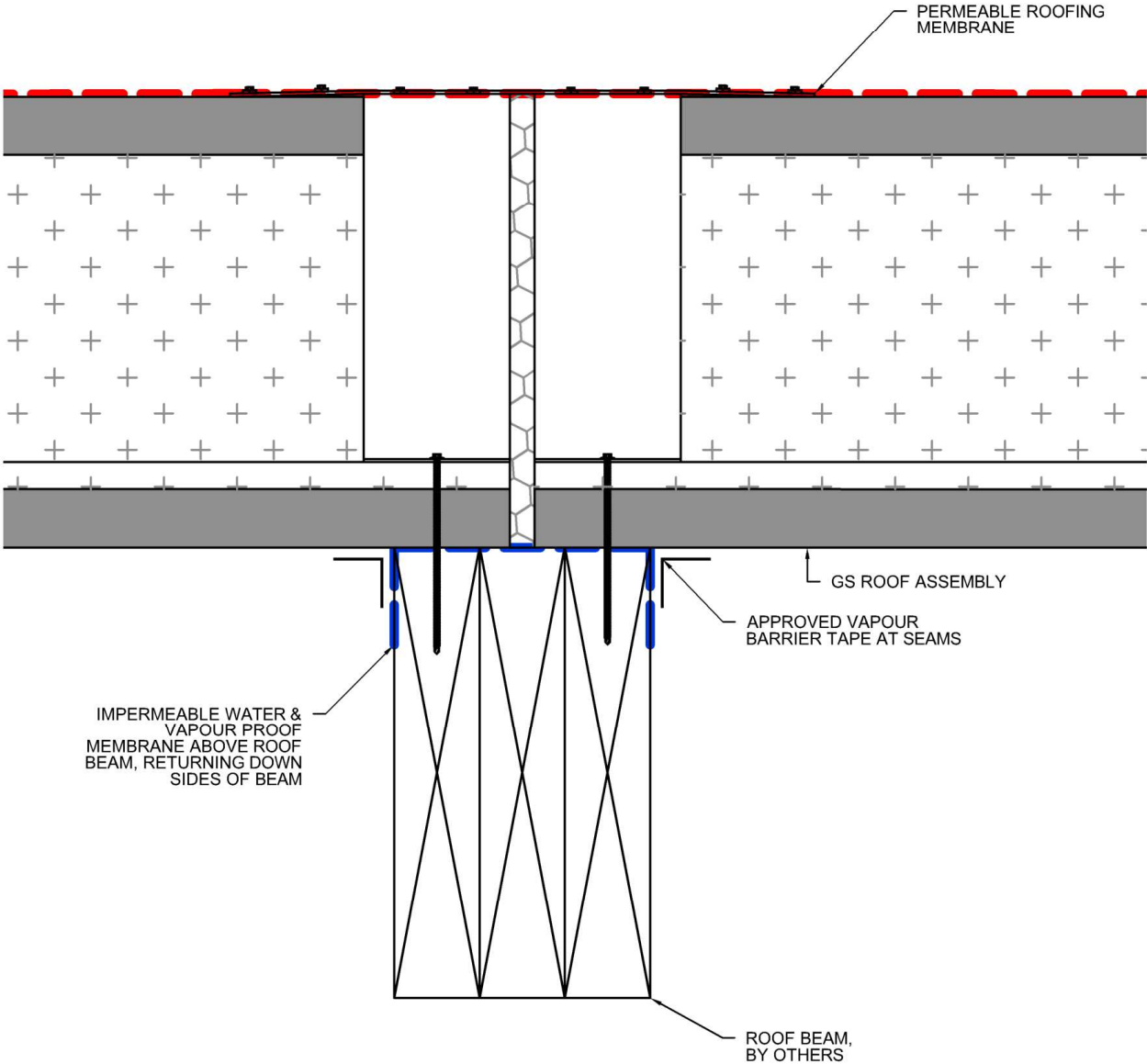




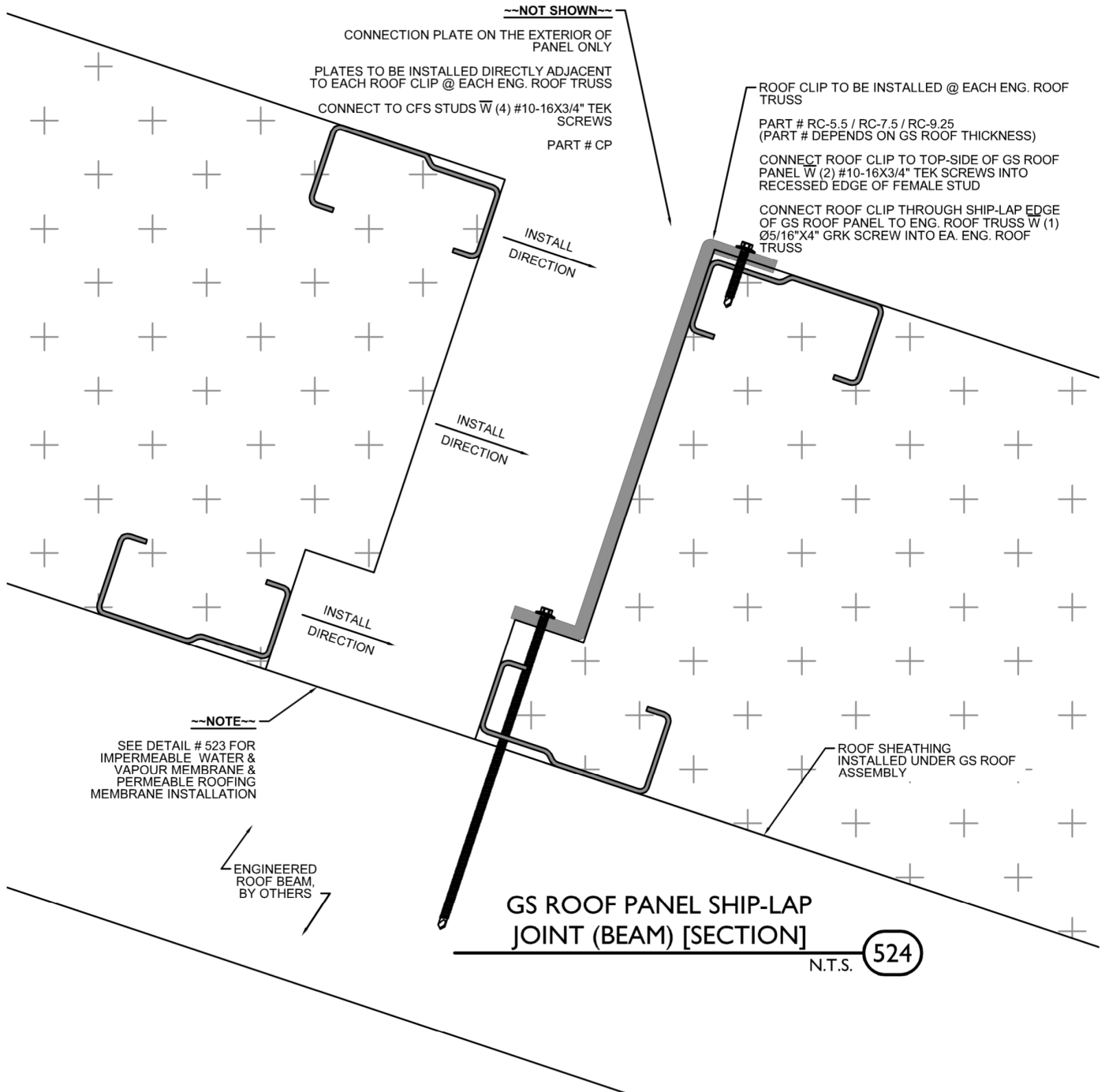
STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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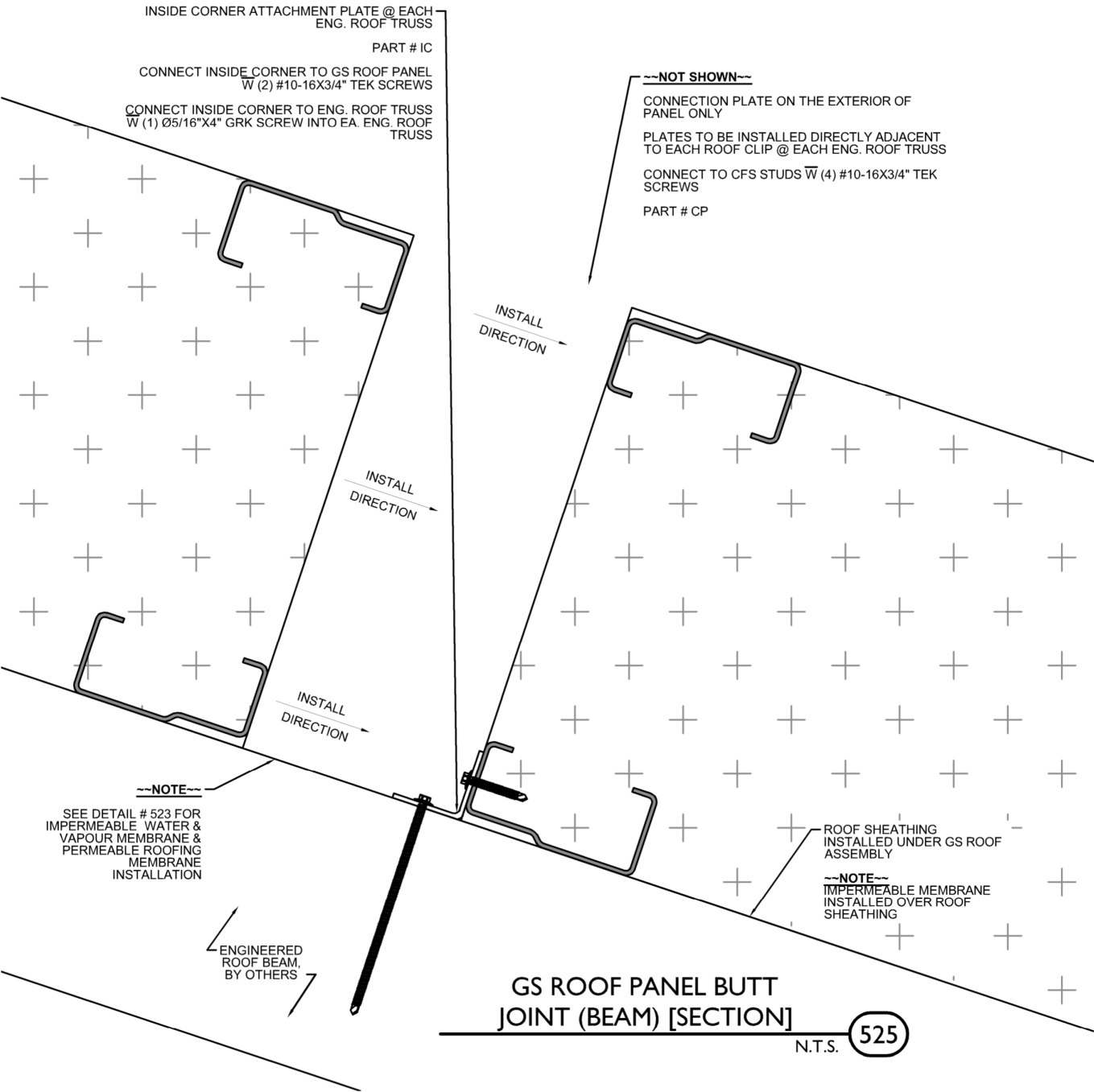
GS STRUCTURAL ROOF W
ROOFING MEMBRANES (SECTION) 523
N.T.S.

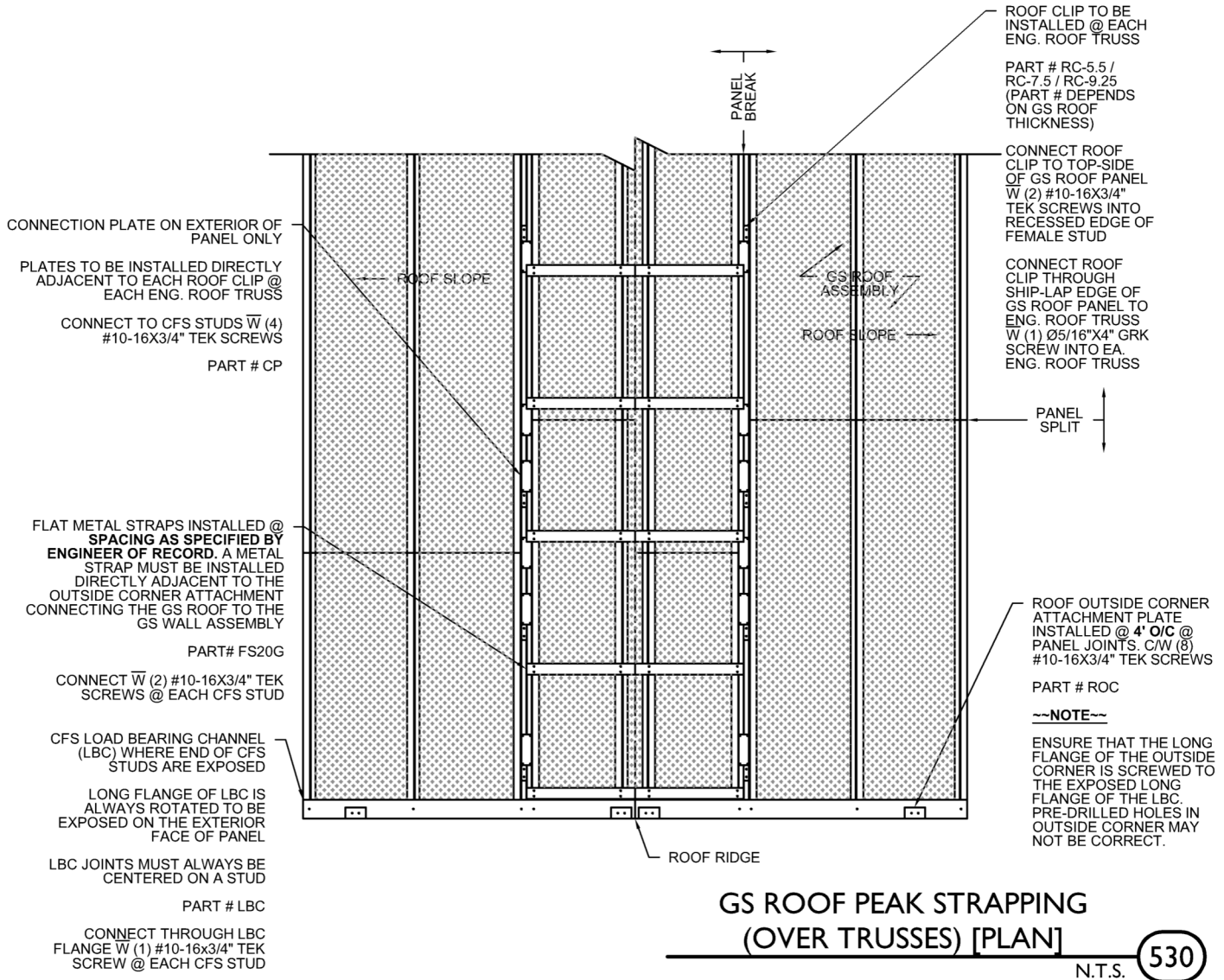


STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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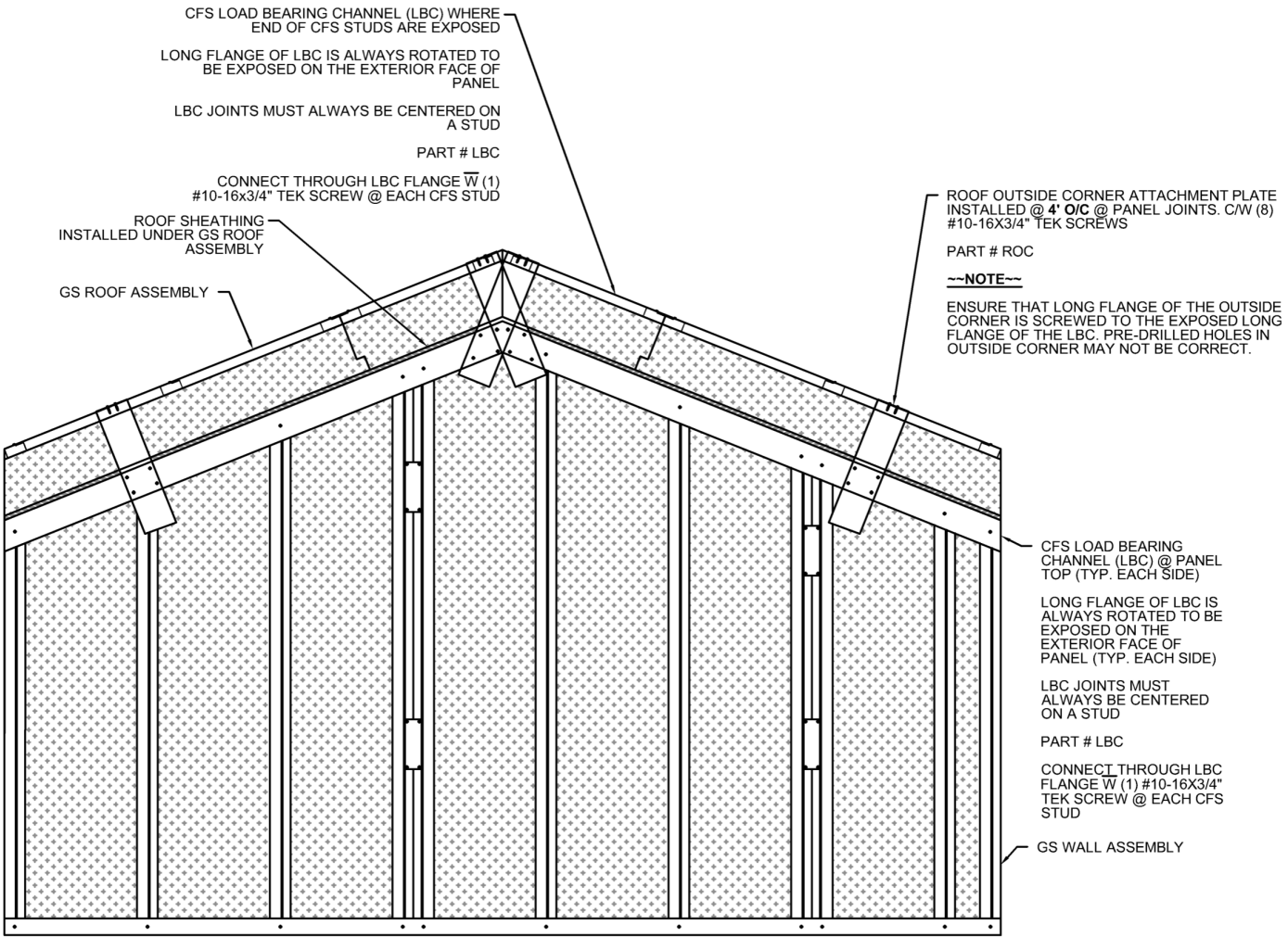




STANDARD CONNECTION DETAILS

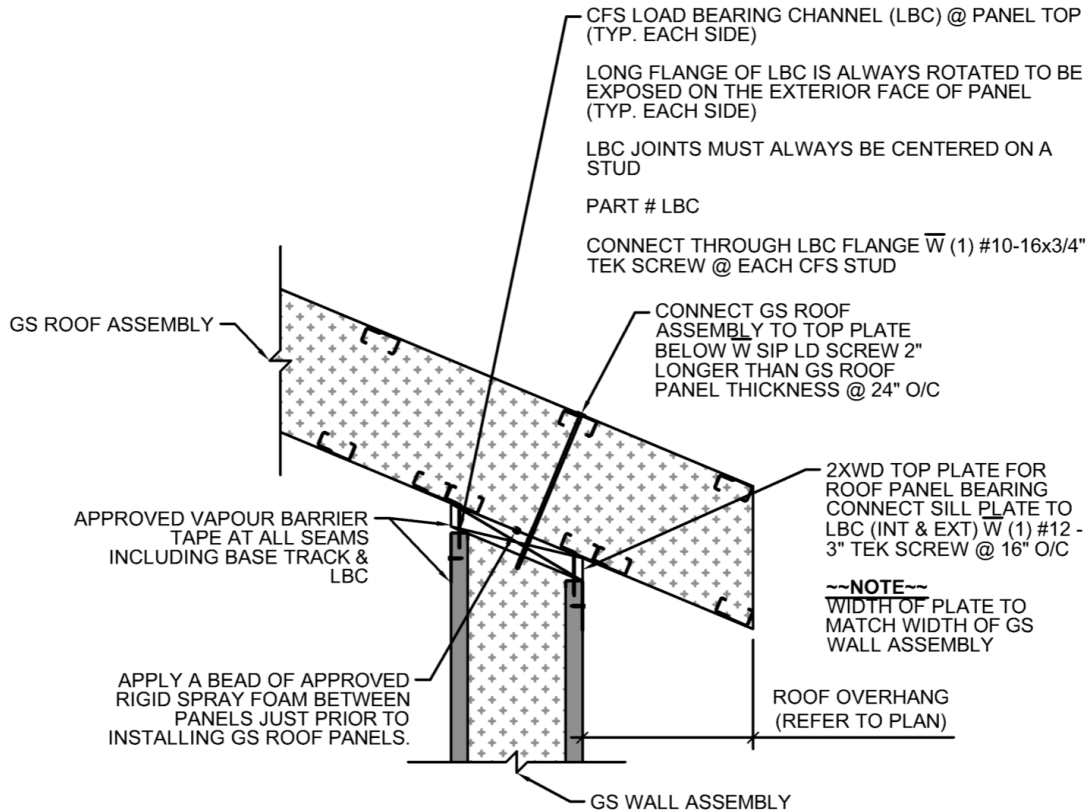
2025.03.04 | LATEST REVISION

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GS ROOF ON ENG. ROOF TRUSS @ GABLE
WALL (NO OVERHANG) [ELEVATION]

N.T.S. 531



GS ROOF @ LOW EAVES (GS O/H) [SECTION]

N.T.S.

538A

~~NOTE~~

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

ENGINEER TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

STRUCTURAL ENGINEER OF RECORD TO CONFIRM CONNECTORS AND FASTENERS MEET DESIGN INTENT AND CAN TRANSFER APPLIED LOADS AS REQUIRED.

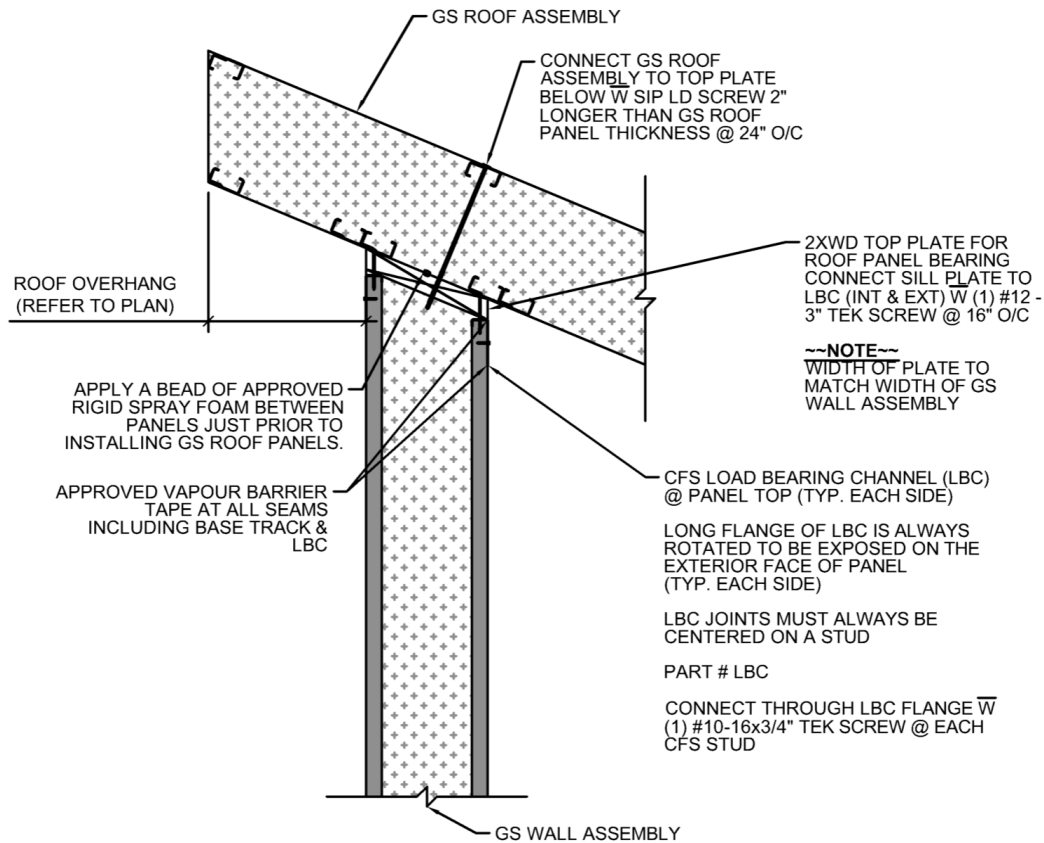
SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

2XWD PLATE CAN BE SUBSTITUTED FOR PLYWOOD WHERE ROOF SLOPED 7:12 OR GREATER

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

GSBP.CA | GREENSTONE BUILDING PRODUCTS



GS ROOF @ HIGH EAVES (GS O/H) [SECTION]

N.T.S.

538B

~~NOTE~~

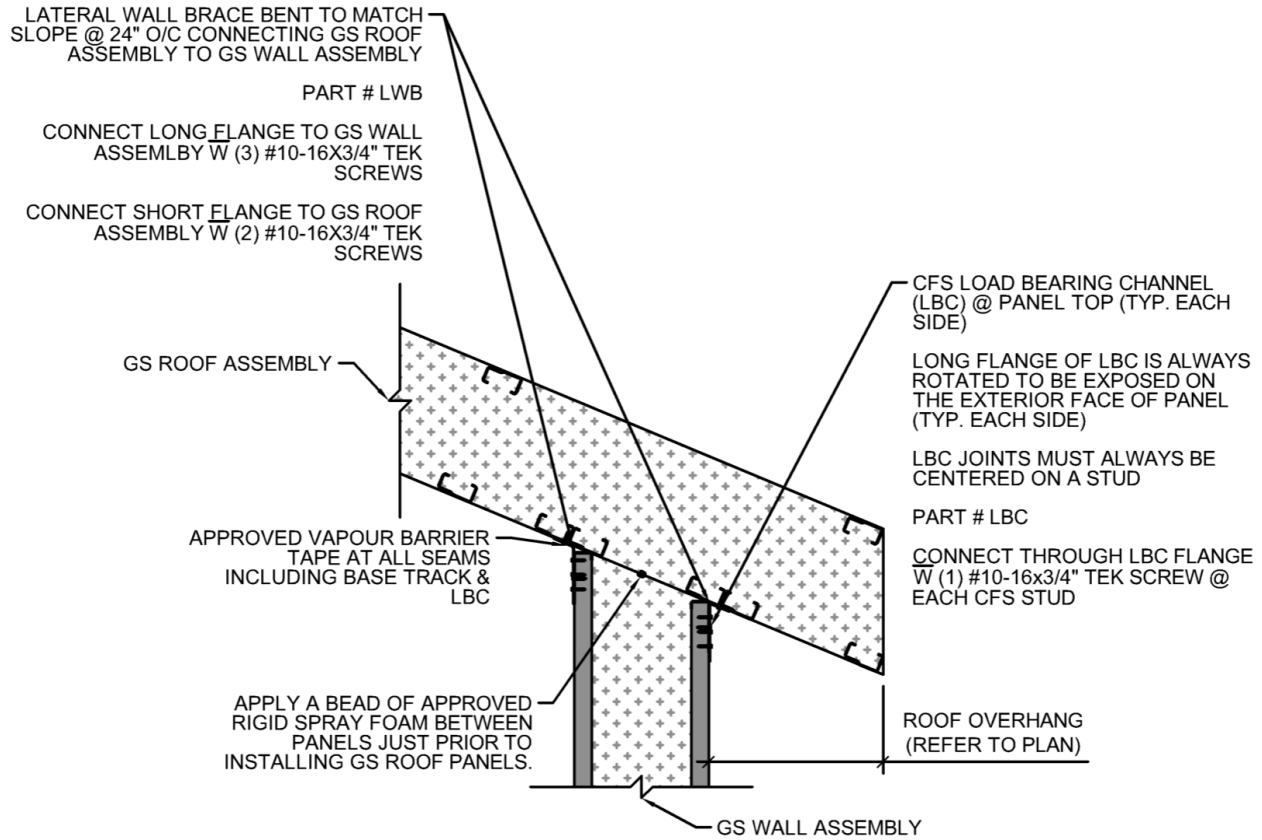
FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

FOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

STRUCTURAL ENGINEER OF RECORD TO CONFIRM CONNECTORS AND FASTENERS MEET DESIGN INTENT AND CAN TRANSFER APPLIED LOADS AS REQUIRED.

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

2XWD PLATE CAN BE SUBSTITUTED FOR PLYWOOD WHERE ROOF SLOPED 7:12 OR GREATER



**"NET-ZERO" GS ROOF @ LOW EAVES
(GS O/H) [SECTION]**

N.T.S. **538C**

~~NOTE~~

FASTENER SPACING TO MATCH WALL STUD
SPACING (MAX. 16" O/C)

FOR TO CONFIRM TYPE AND SPACING OF
FASTENERS BETWEEN TRACK, WALL PANEL, AND
SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL
LOAD TRANSFER

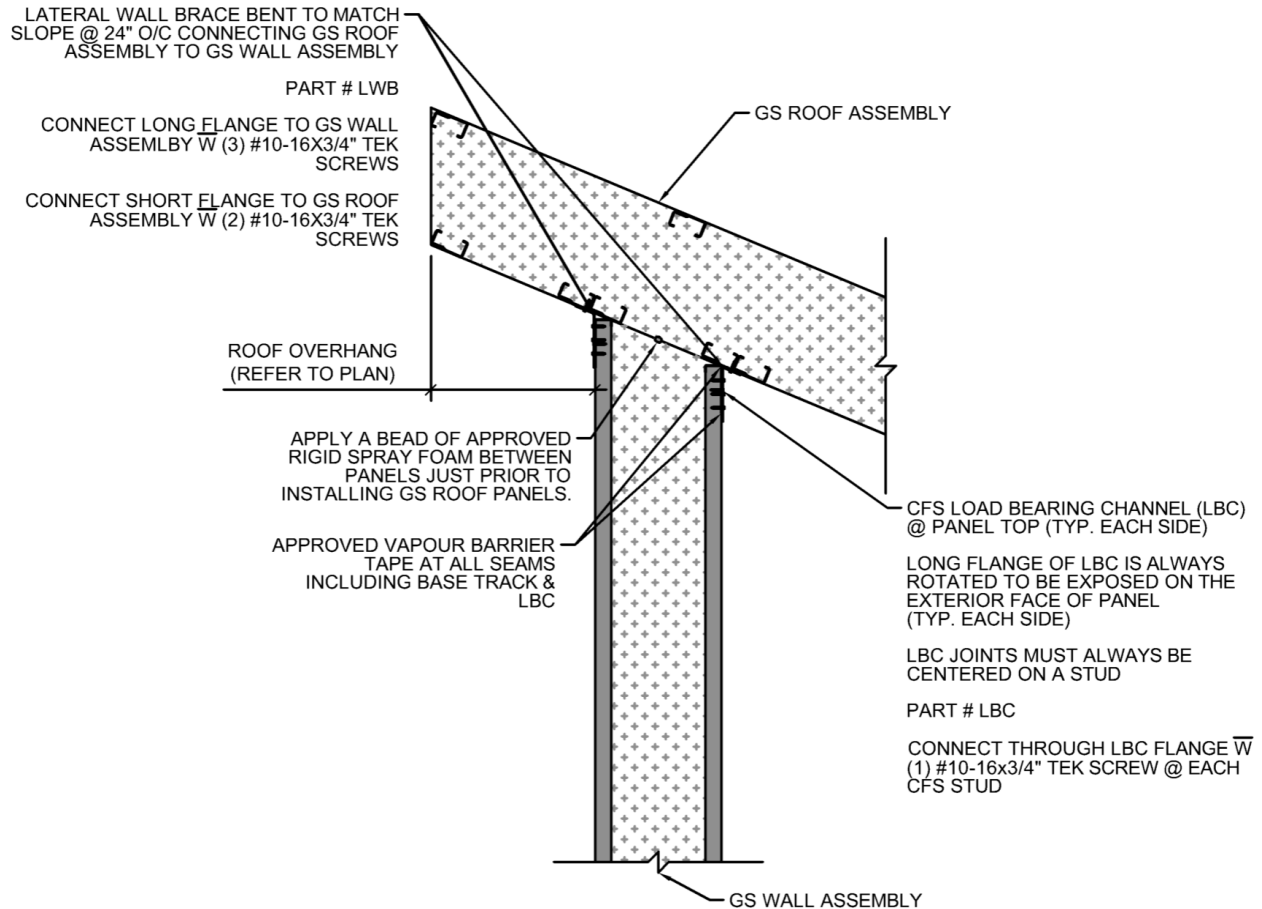
STRUCTURAL ENGINEER OF RECORD TO CONFIRM
CONNECTORS AND FASTENERS MEET DESIGN
INTENT AND CAN TRANSFER APPLIED LOADS AS
REQUIRED.

SINGLE COMPONENT URETHANE FOAM IS **NOT**
APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE
CONSIDERED AIR TIGHT

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

GSBP.CA | GREENSTONE BUILDING PRODUCTS



"NET-ZERO" GS ROOF @ HIGH EAVES (GS O/H) [SECTION]

N.T.S.

538D

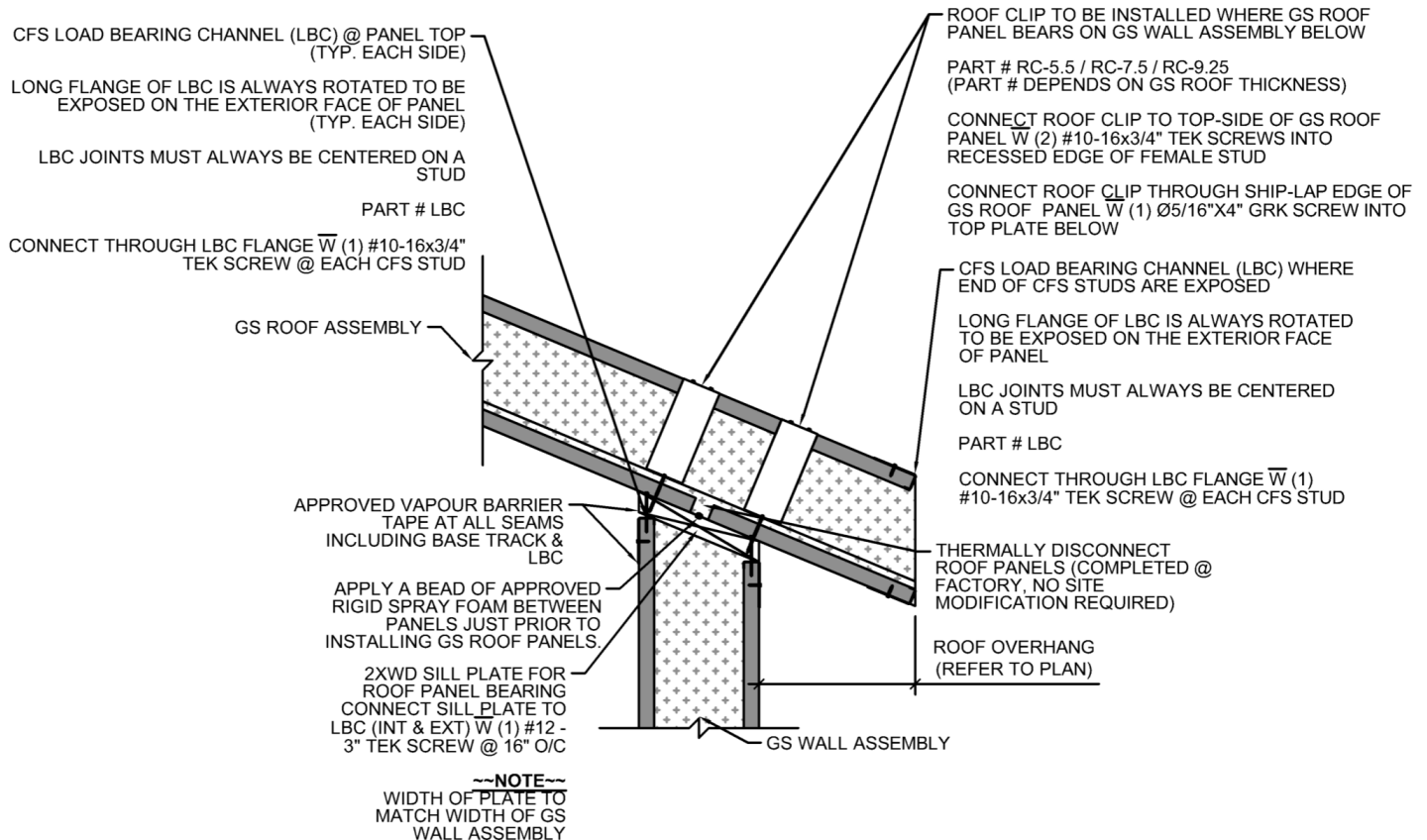
~NOTE~

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

STRUCTURAL ENGINEER OF RECORD TO CONFIRM CONNECTORS AND FASTENERS MEET DESIGN INTENT AND CAN TRANSFER APPLIED LOADS AS REQUIRED.

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT



GS ROOF SHIP-LAP @ LOW EAVES (GS O/H) [SECTION]

~NOTE~

N.T.S.

539A

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

FOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

STRUCTURAL ENGINEER OF RECORD TO CONFIRM CONNECTORS AND FASTENERS MEET DESIGN INTENT AND CAN TRANSFER APPLIED LOADS AS REQUIRED.

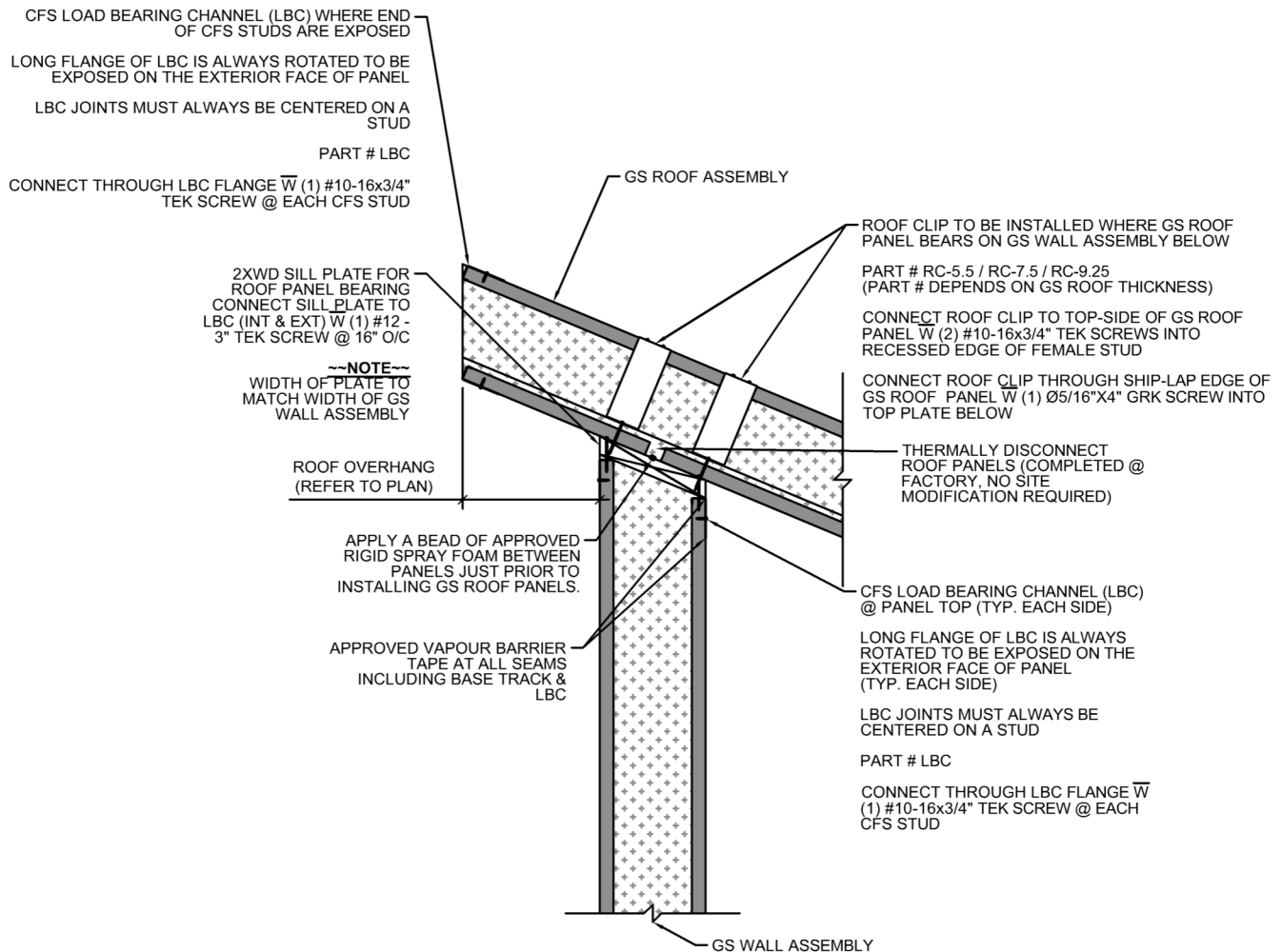
SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

2XWD PLATE CAN BE SUBSTITUTED FOR PLYWOOD WHERE ROOF SLOPED 7:12 OR GREATER

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

GSBP.CA | GREENSTONE BUILDING PRODUCTS



GS ROOF SHIP-LAP @ HIGH EAVES (GS O/H) [SECTION]

~NOTE~

N.T.S.

539B

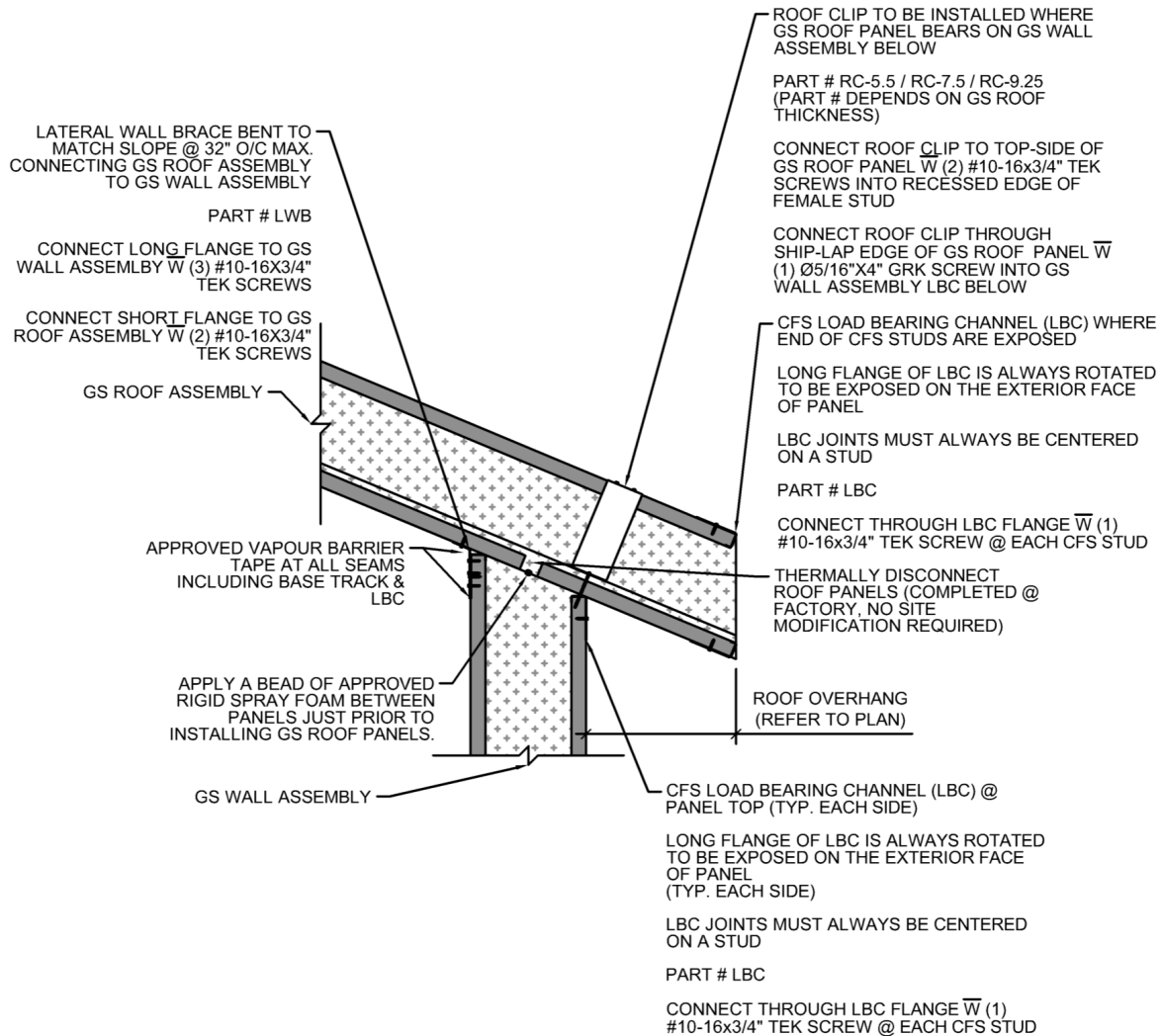
FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

FOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

STRUCTURAL ENGINEER OF RECORD TO CONFIRM CONNECTORS AND FASTENERS MEET DESIGN INTENT AND CAN TRANSFER APPLIED LOADS AS REQUIRED.

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

2XWD PLATE CAN BE SUBSTITUTED FOR PLYWOOD WHERE ROOF SLOPED 7:12 OR GREATER



"NET-ZERO" GS ROOF SHIP-LAP @ LOW EAVES (GS O/H) [SECTION]

N.T.S.

539C

~~NOTE~~

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

FOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

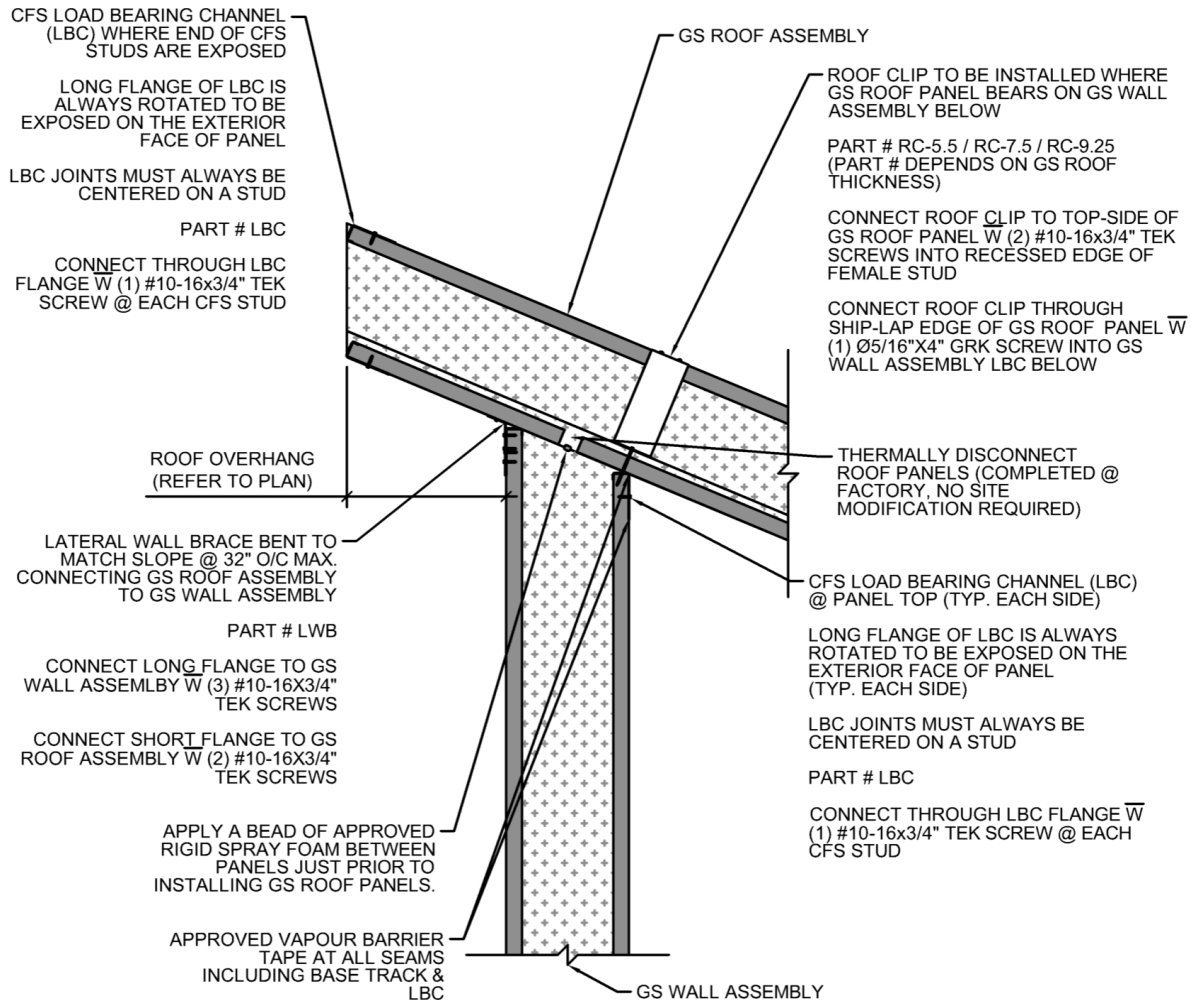
STRUCTURAL ENGINEER OF RECORD TO CONFIRM CONNECTORS AND FASTENERS MEET DESIGN INTENT AND CAN TRANSFER APPLIED LOADS AS REQUIRED.

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

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"NET-ZERO" GS ROOF SHIP-LAP @ HIGH EAVES (GS O/H) [SECTION]

N.T.S. 539D

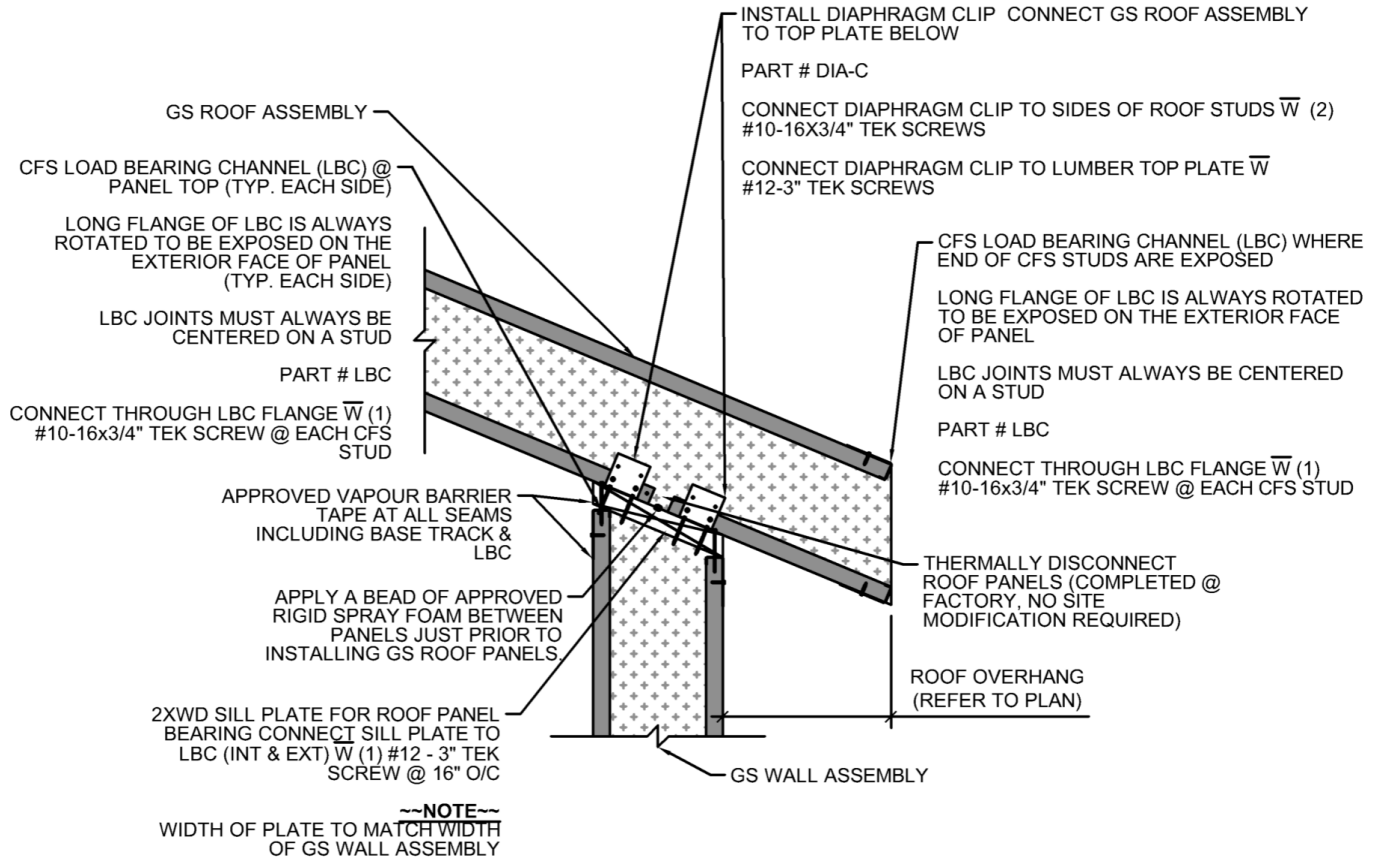
~~NOTE~~

FASTENER SPACING TO MATCH WALL STUD
SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF
FASTENERS BETWEEN TRACK, WALL PANEL, AND
SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL
LOAD TRANSFER

STRUCTURAL ENGINEER OF RECORD TO CONFIRM
CONNECTORS AND FASTENERS MEET DESIGN
INTENT AND CAN TRANSFER APPLIED LOADS AS
REQUIRED.

SINGLE COMPONENT URETHANE FOAM IS **NOT**
APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE
CONSIDERED AIR TIGHT



GS ROOF BUTT JOINT @ LOW EAVES (GS O/H) [SECTION]

~~NOTE~~

N.T.S.

540A

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

FOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

STRUCTURAL ENGINEER OF RECORD TO CONFIRM CONNECTORS AND FASTENERS MEET DESIGN INTENT AND CAN TRANSFER APPLIED LOADS AS REQUIRED.

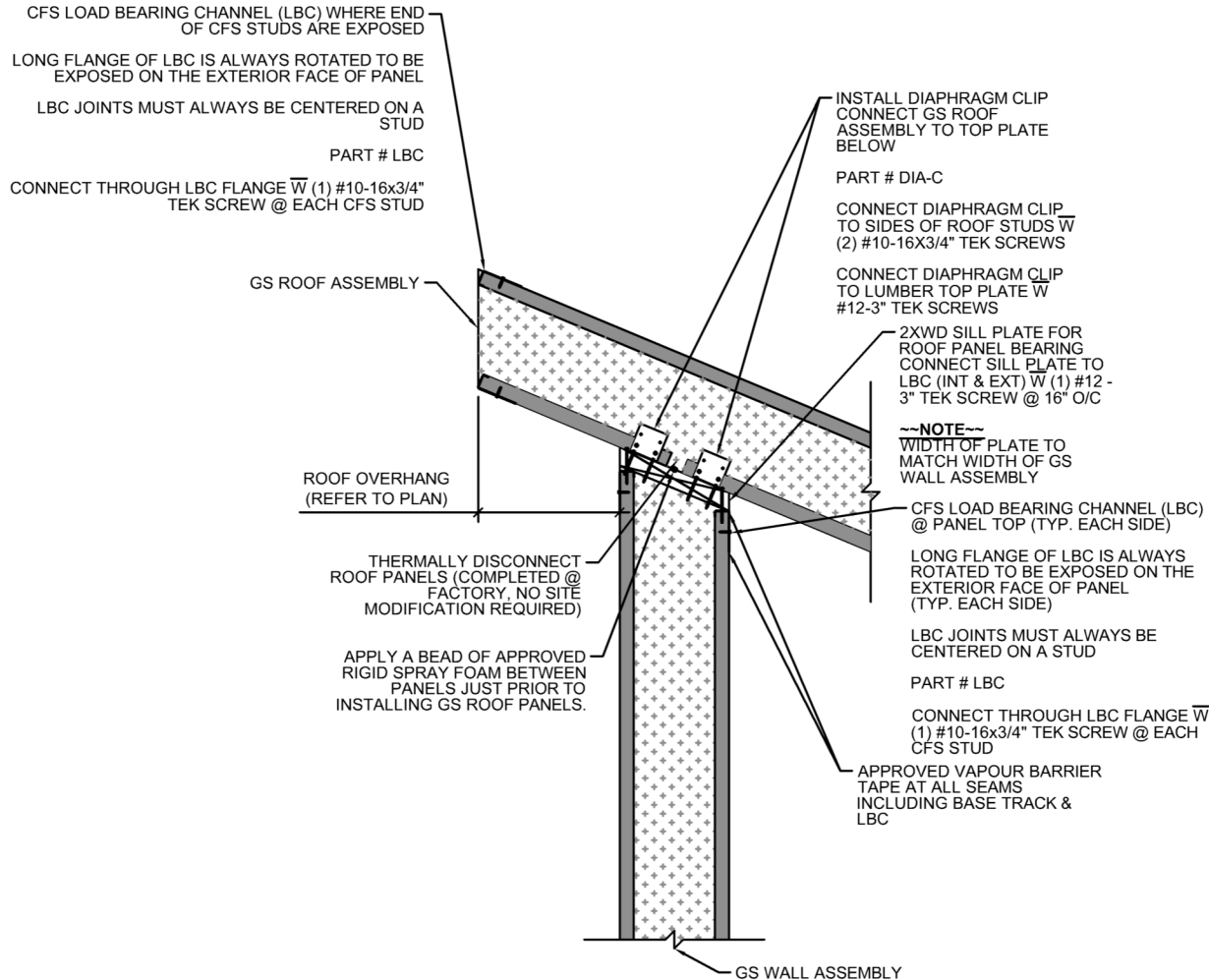
SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

2XWD PLATE CAN BE SUBSTITUTED FOR PLYWOOD WHERE ROOF SLOPED 7:12 OR GREATER

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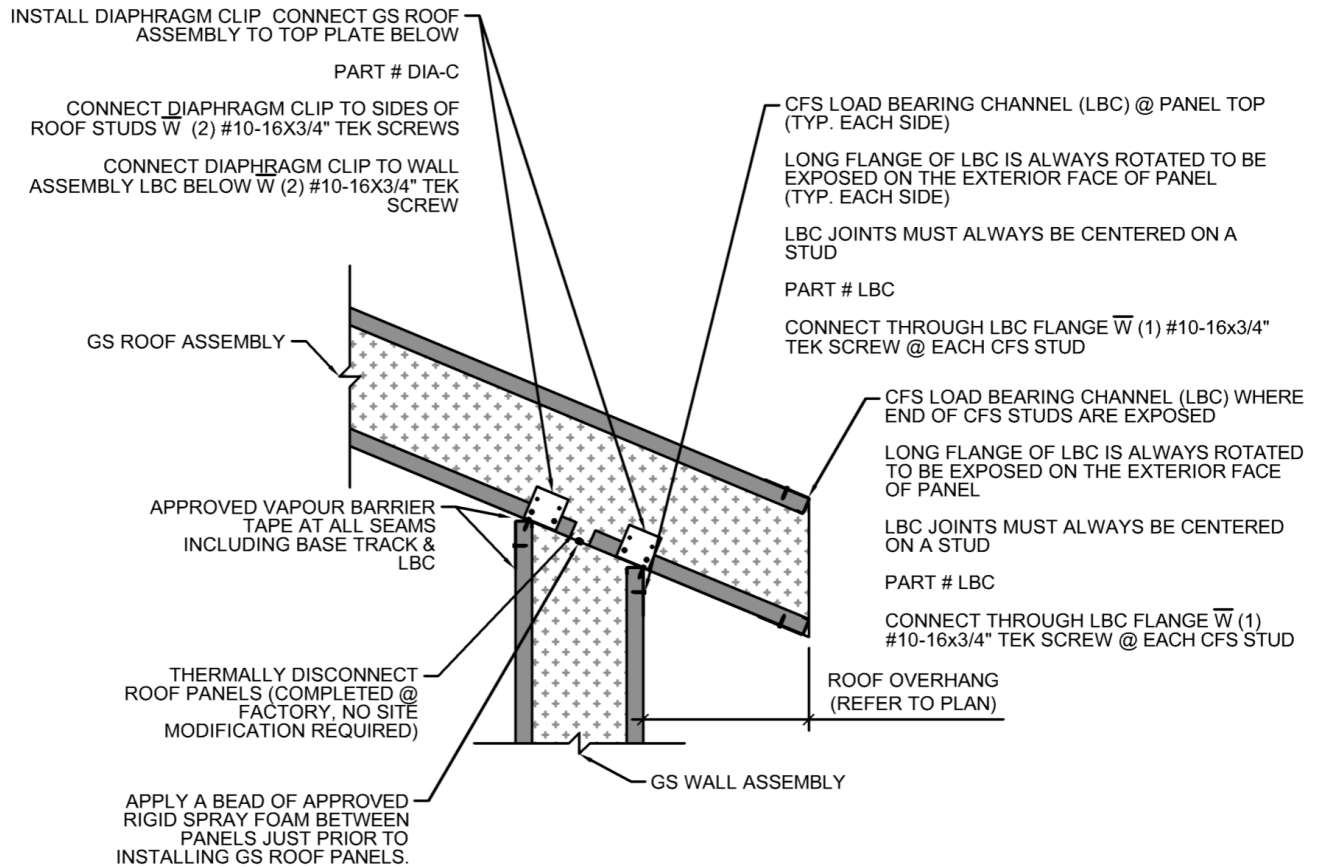
GS ROOF BUTT JOINT @ HIGH EAVES (GS O/H) [SECTION]

~NOTE~

N.T.S.

540B

- FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)
- FOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER
- STRUCTURAL ENGINEER OF RECORD TO CONFIRM CONNECTORS AND FASTENERS MEET DESIGN INTENT AND CAN TRANSFER APPLIED LOADS AS REQUIRED.
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- 2XWD PLATE CAN BE SUBSTITUTED FOR PLYWOOD WHERE ROOF SLOPED 7:12 OR GREATER



"NET-ZERO" GS ROOF BUTT JOINT @ LOW EAVES (GS O/H) [SECTION]

N.T.S.

540C

~NOTE~

FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

EOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

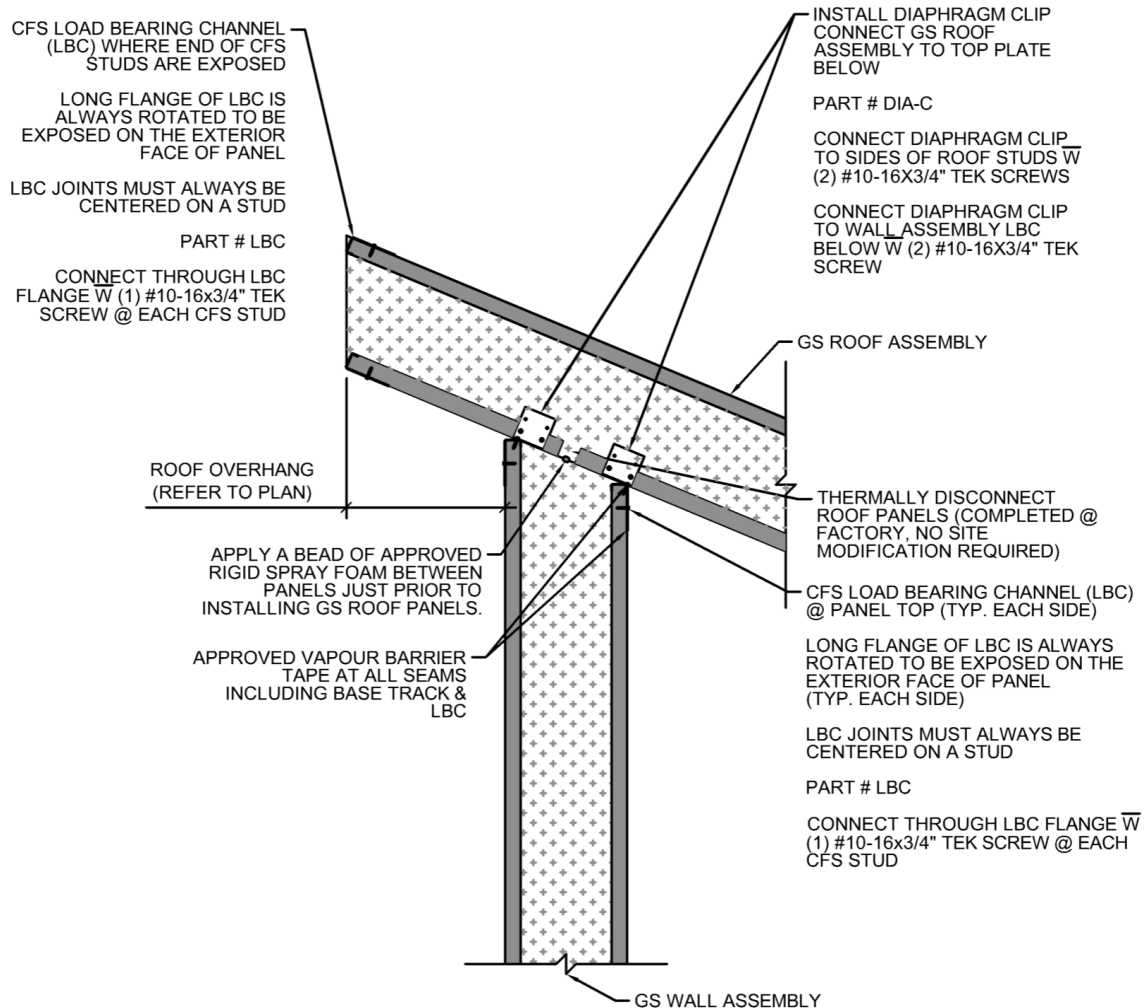
STRUCTURAL ENGINEER OF RECORD TO CONFIRM CONNECTORS AND FASTENERS MEET DESIGN INTENT AND CAN TRANSFER APPLIED LOADS AS REQUIRED.

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

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"NET-ZERO" GS ROOF BUTT JOINT @ HIGH EAVES (GS O/H) [SECTION]

N.T.S. 540D

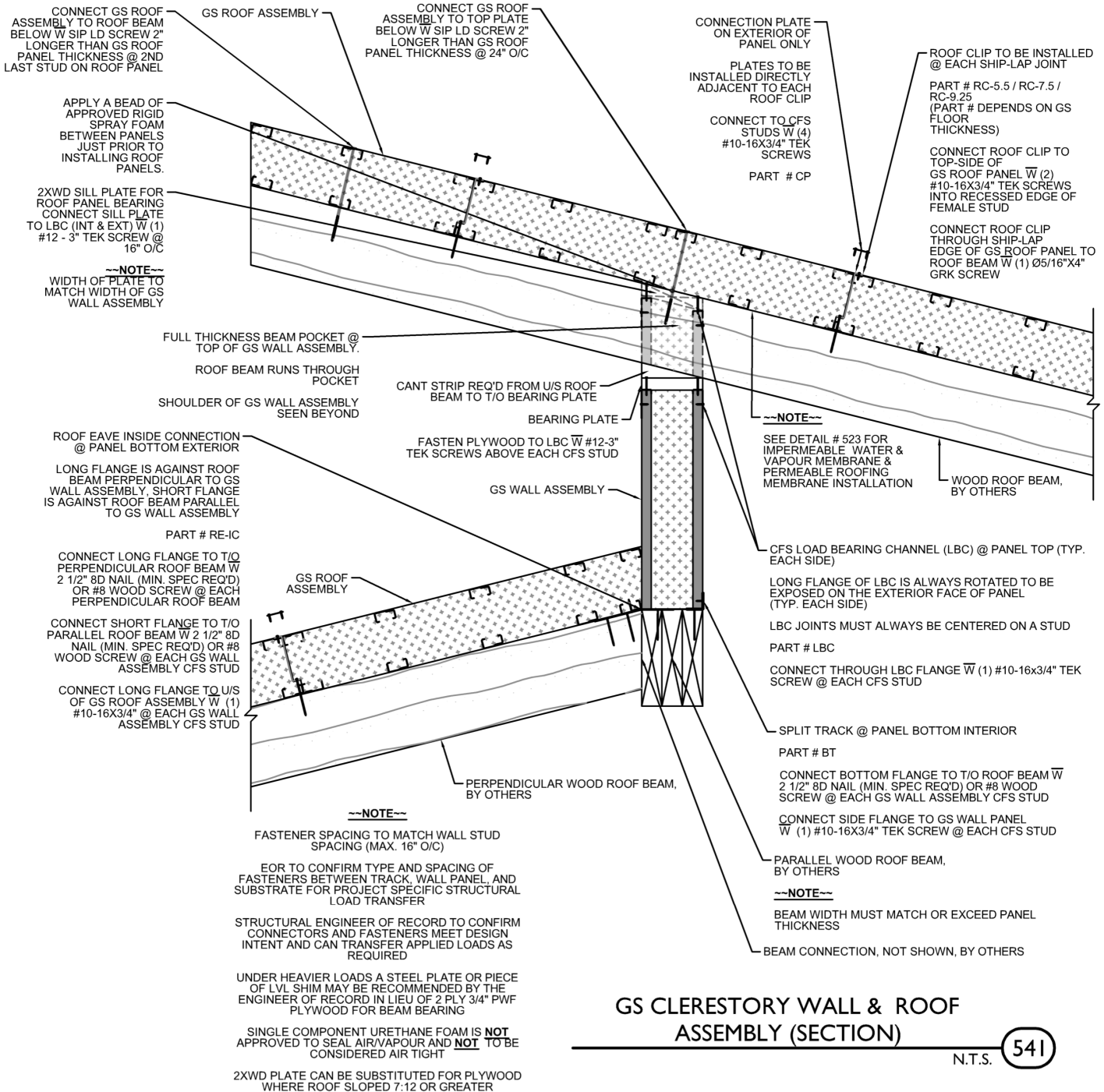
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FASTENER SPACING TO MATCH WALL STUD SPACING (MAX. 16" O/C)

FOR TO CONFIRM TYPE AND SPACING OF FASTENERS BETWEEN TRACK, WALL PANEL, AND SUBSTRATE FOR PROJECT SPECIFIC STRUCTURAL LOAD TRANSFER

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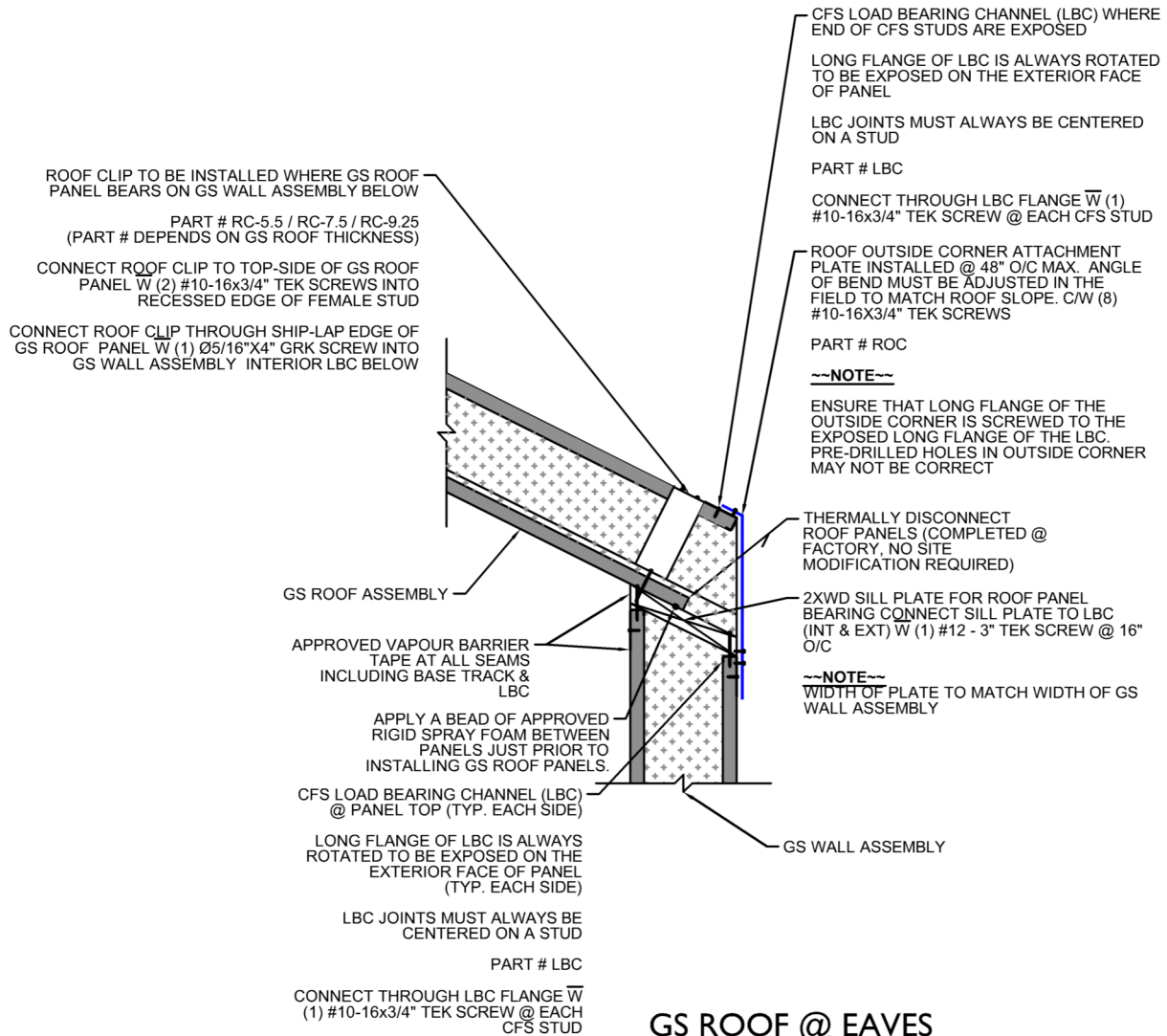
SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT



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GS ROOF @ EAVES (NO OVERHANG) [SECTION]

N.T.S.

542

~~NOTE~~

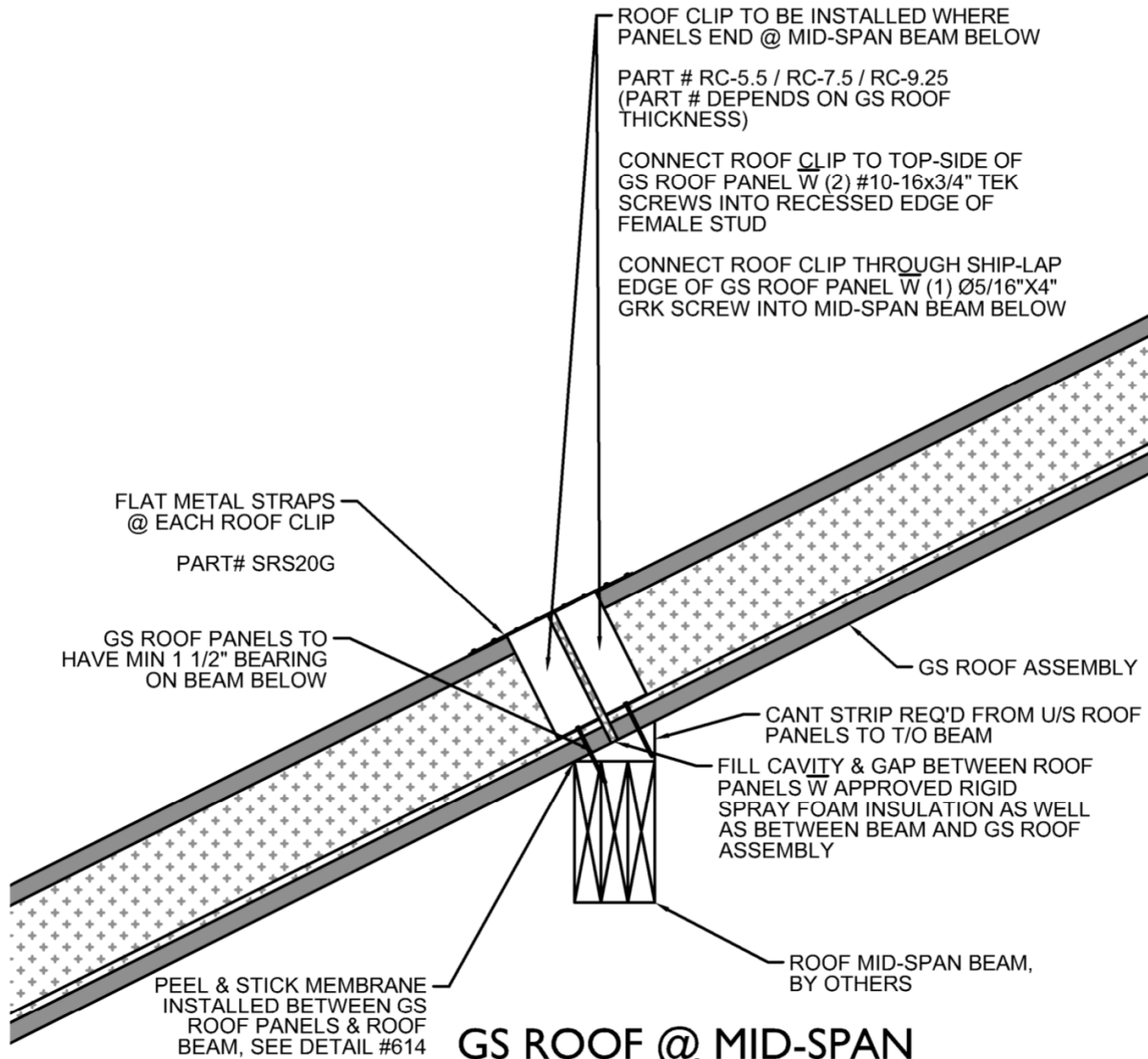
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2XWD PLATE CAN BE SUBSTITUTED FOR PLYWOOD WHERE ROOF SLOPED 7:12 OR GREATER



**GS ROOF @ MID-SPAN
BEAM (SECTION)**

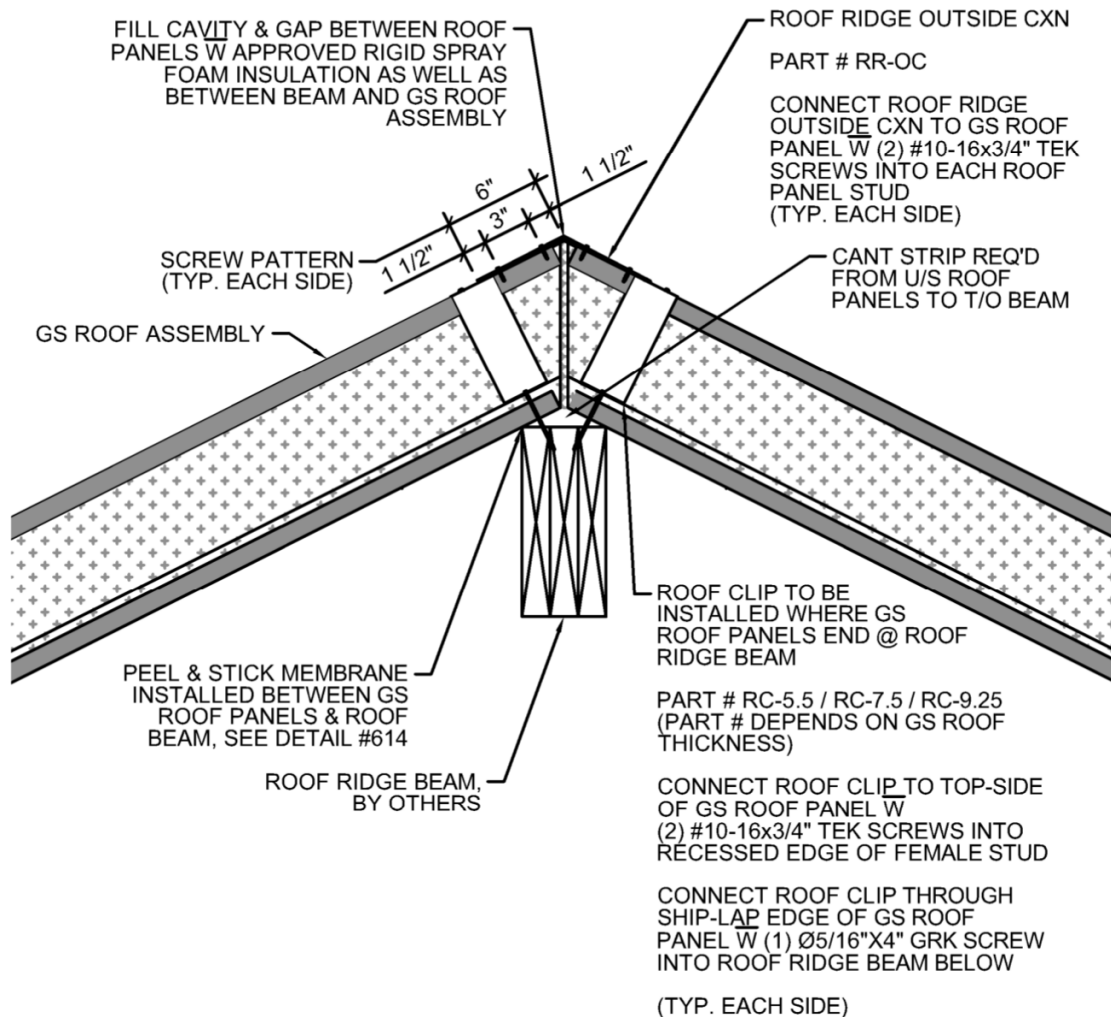
N.T.S.

543

STANDARD CONNECTION DETAILS

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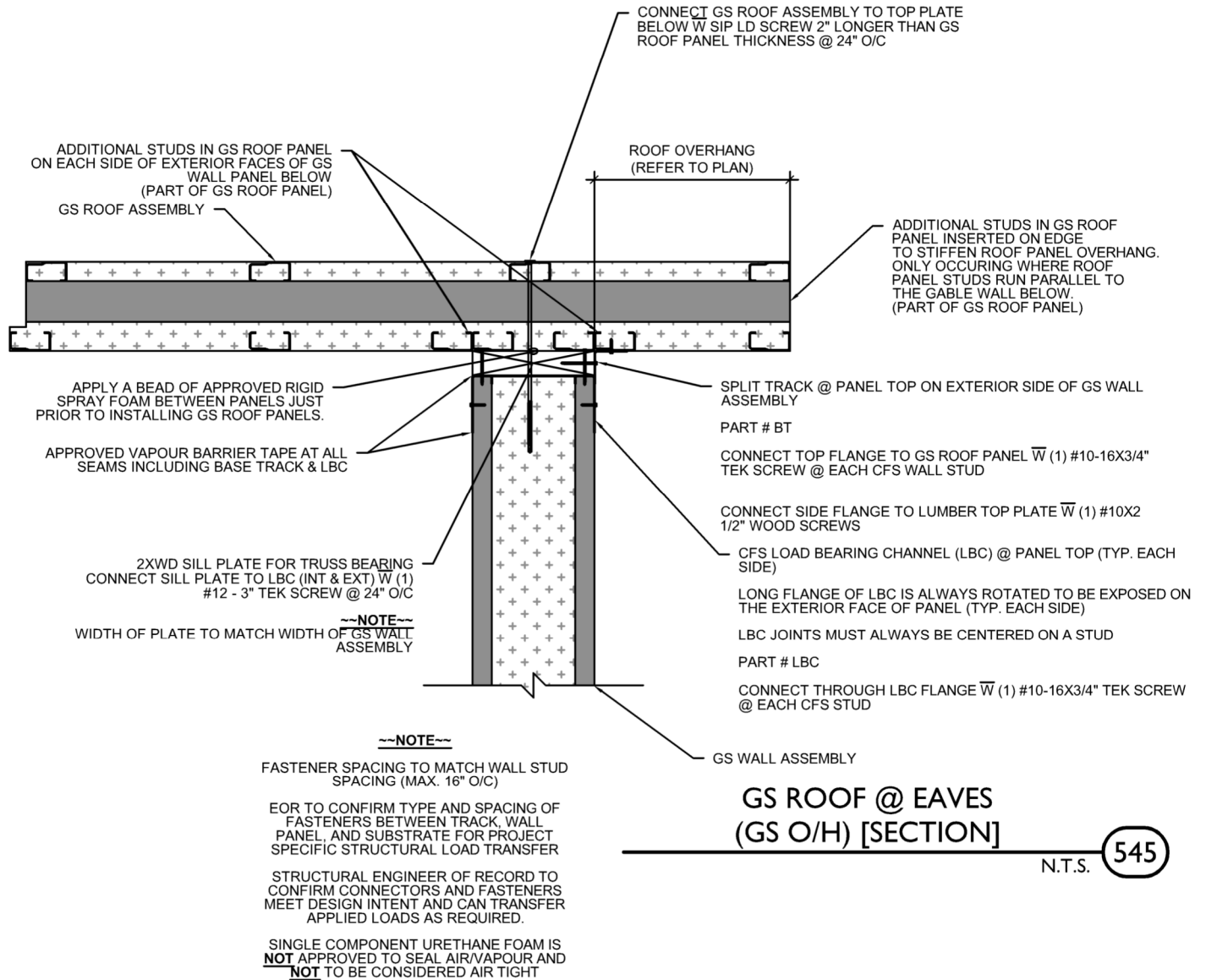
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GS ROOF @ RIDGE (SECTION)

N.T.S.

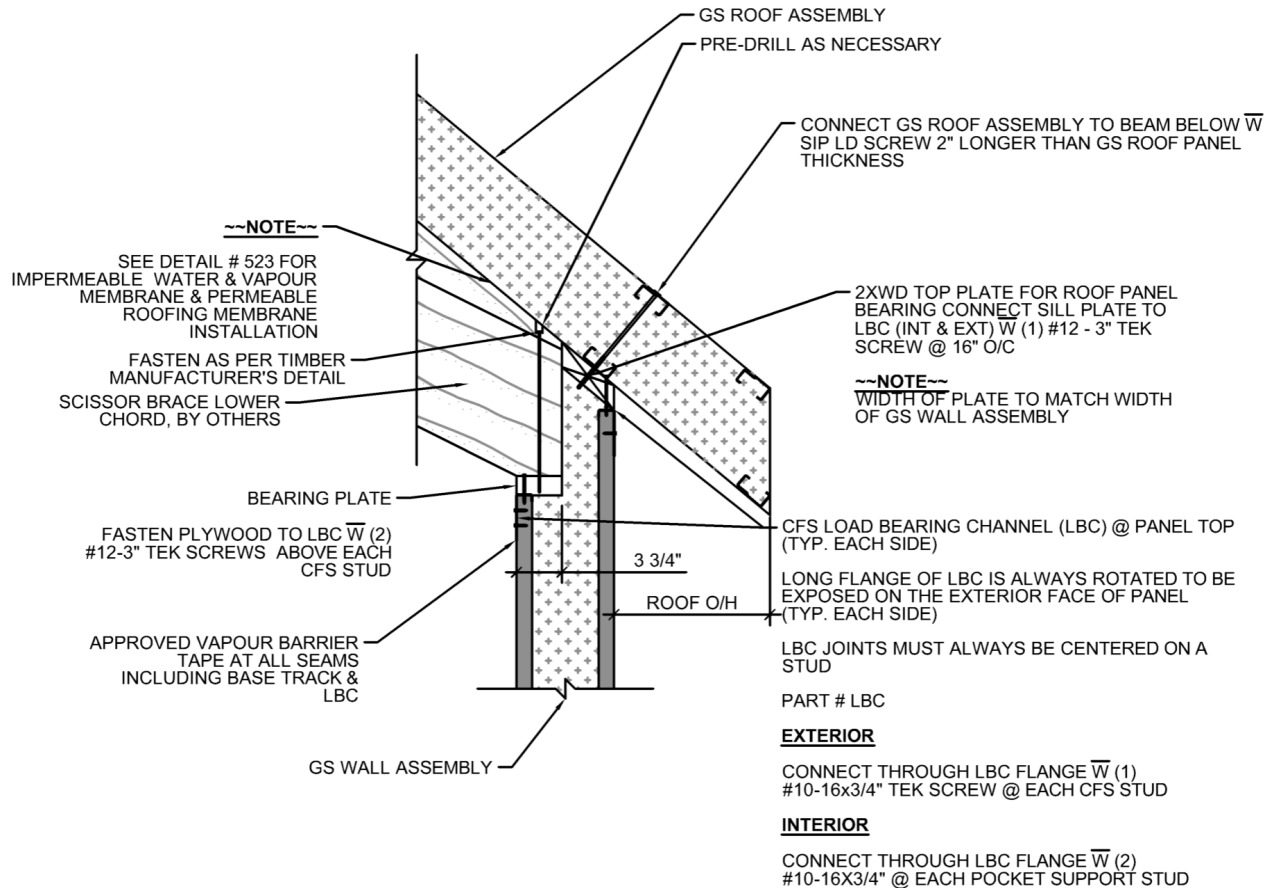
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GS ROOF ON TIMBER BEAM @ EAVES TIE-DOWN (SECTION)

N.T.S.

546

~~NOTE~~

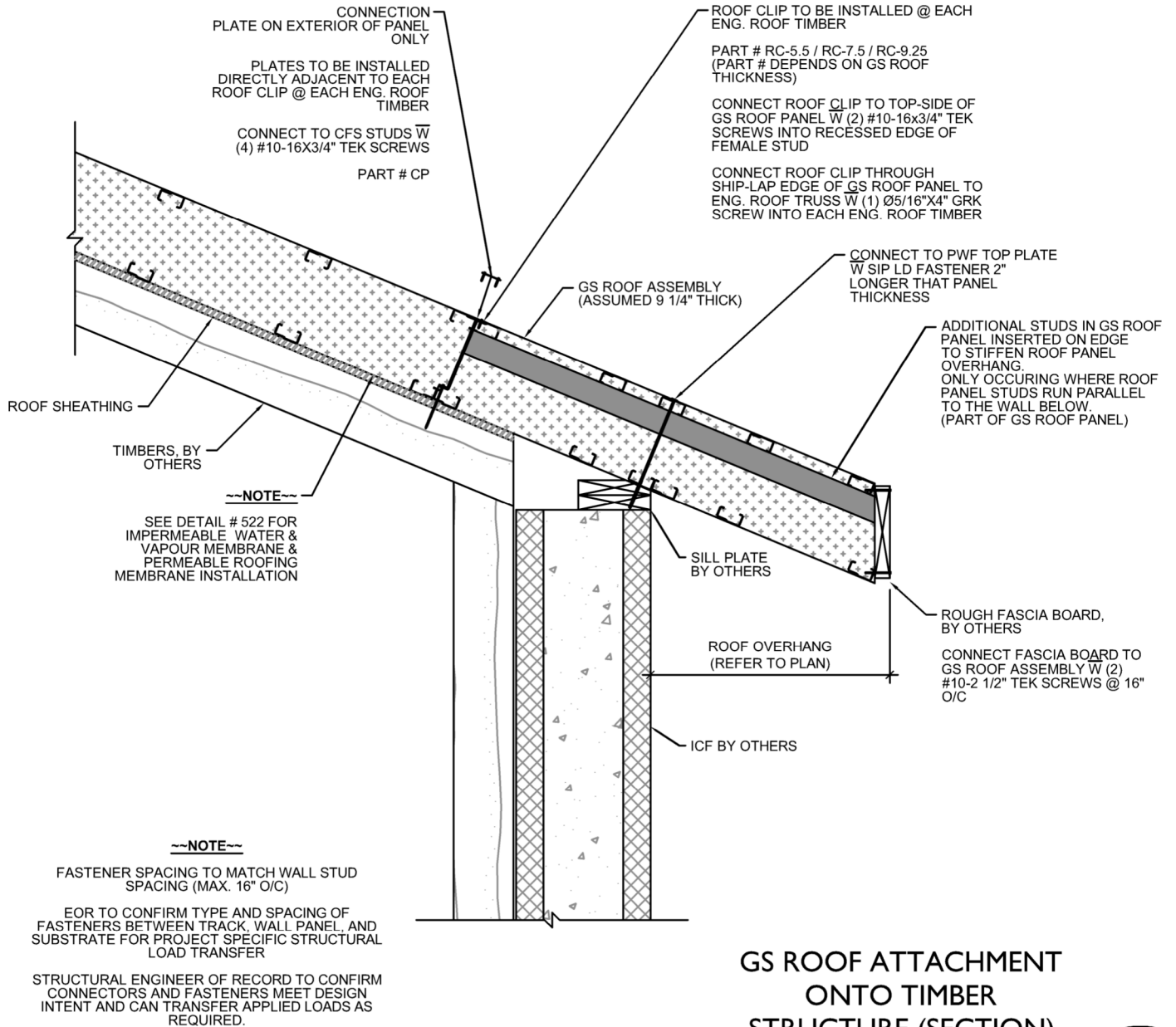
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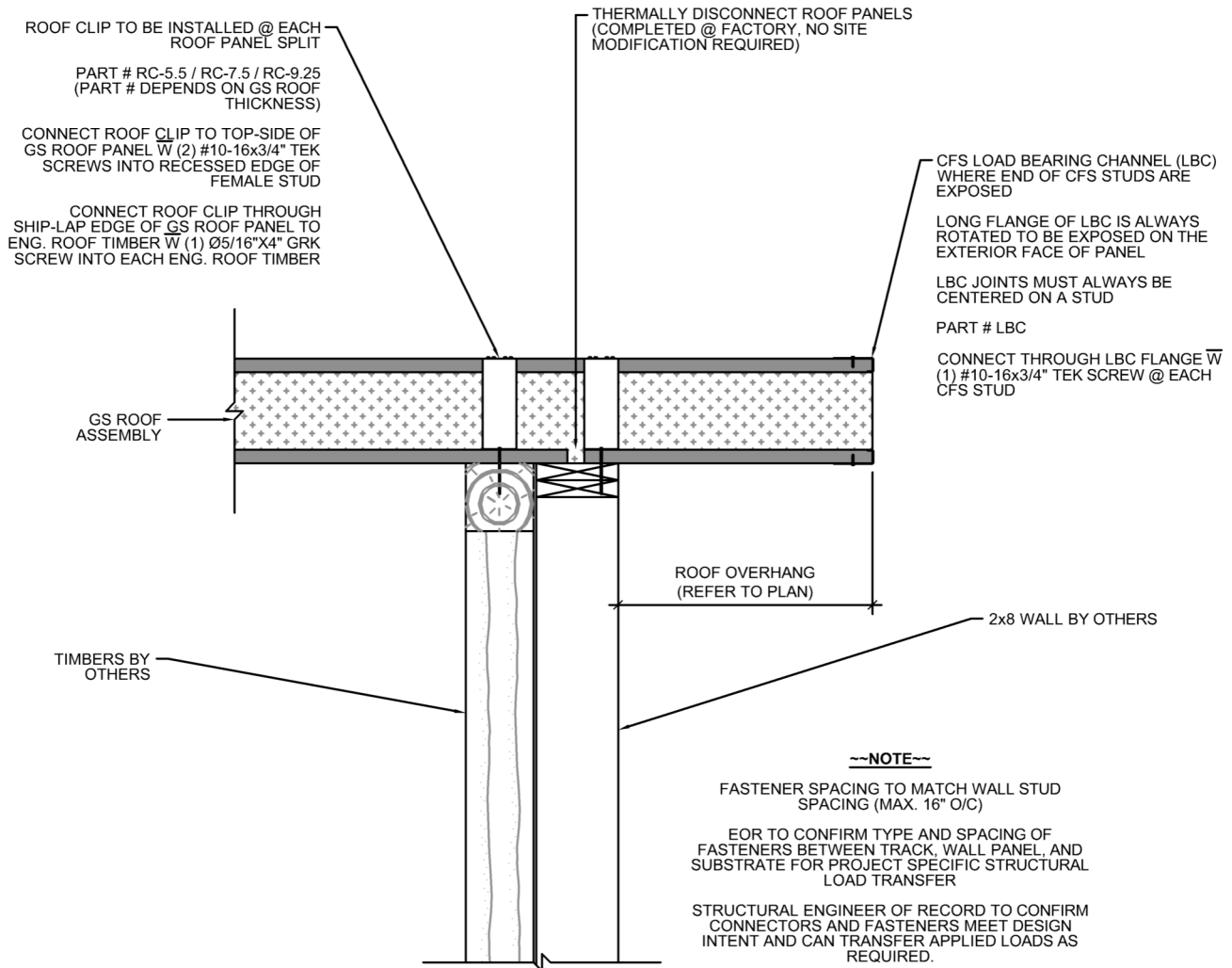
**GS ROOF ATTACHMENT
ONTO TIMBER
STRUCTURE (SECTION)**

N.T.S. **548**

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

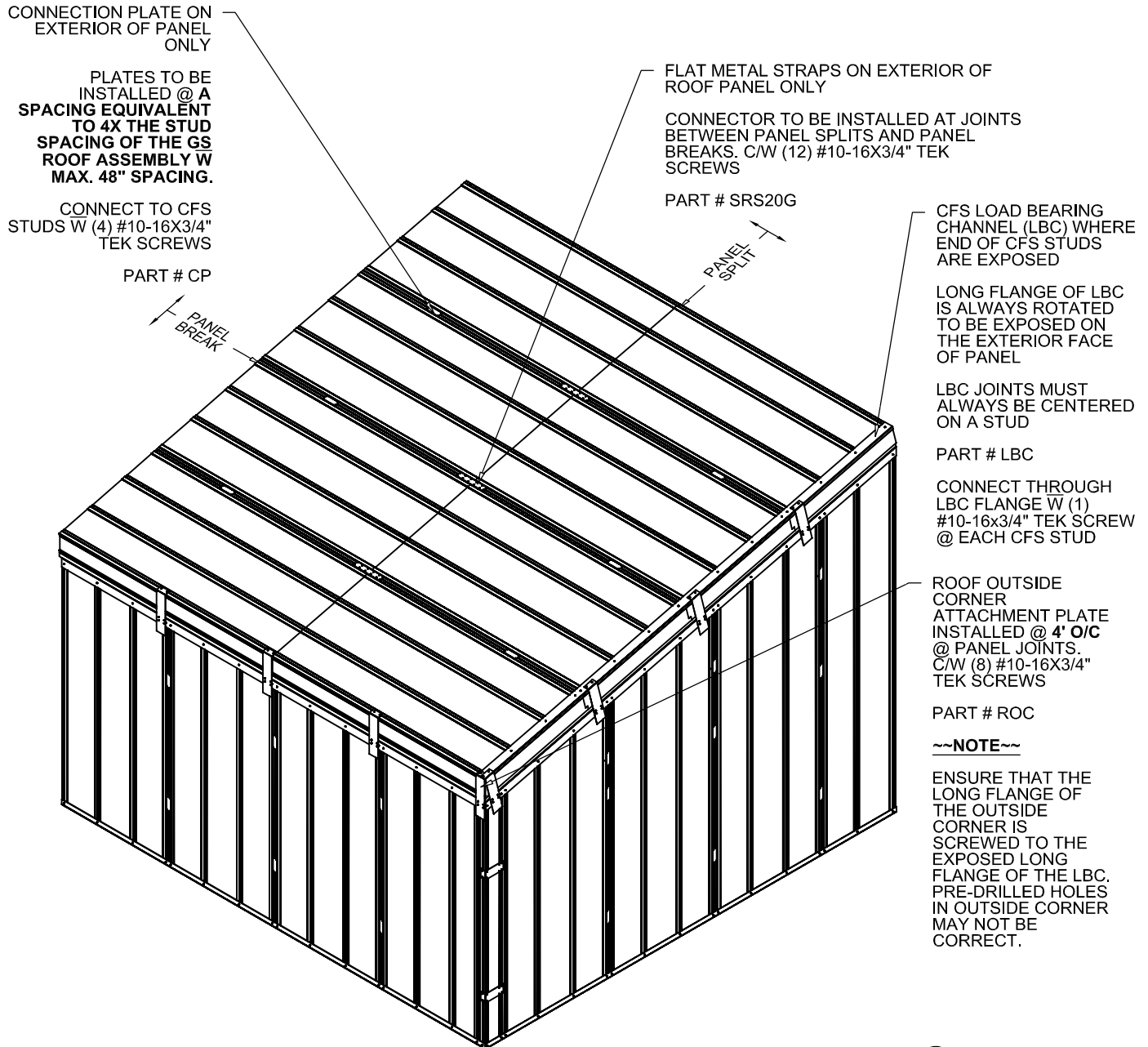
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GS ROOF ATTACHMENT ONTO TIMBER STRUCTURE @ GABLE WALL (SECTION)

N.T.S.

549



GS STRUCTURAL ROOF @ CROSS SLOPE (PERSPECTIVE)

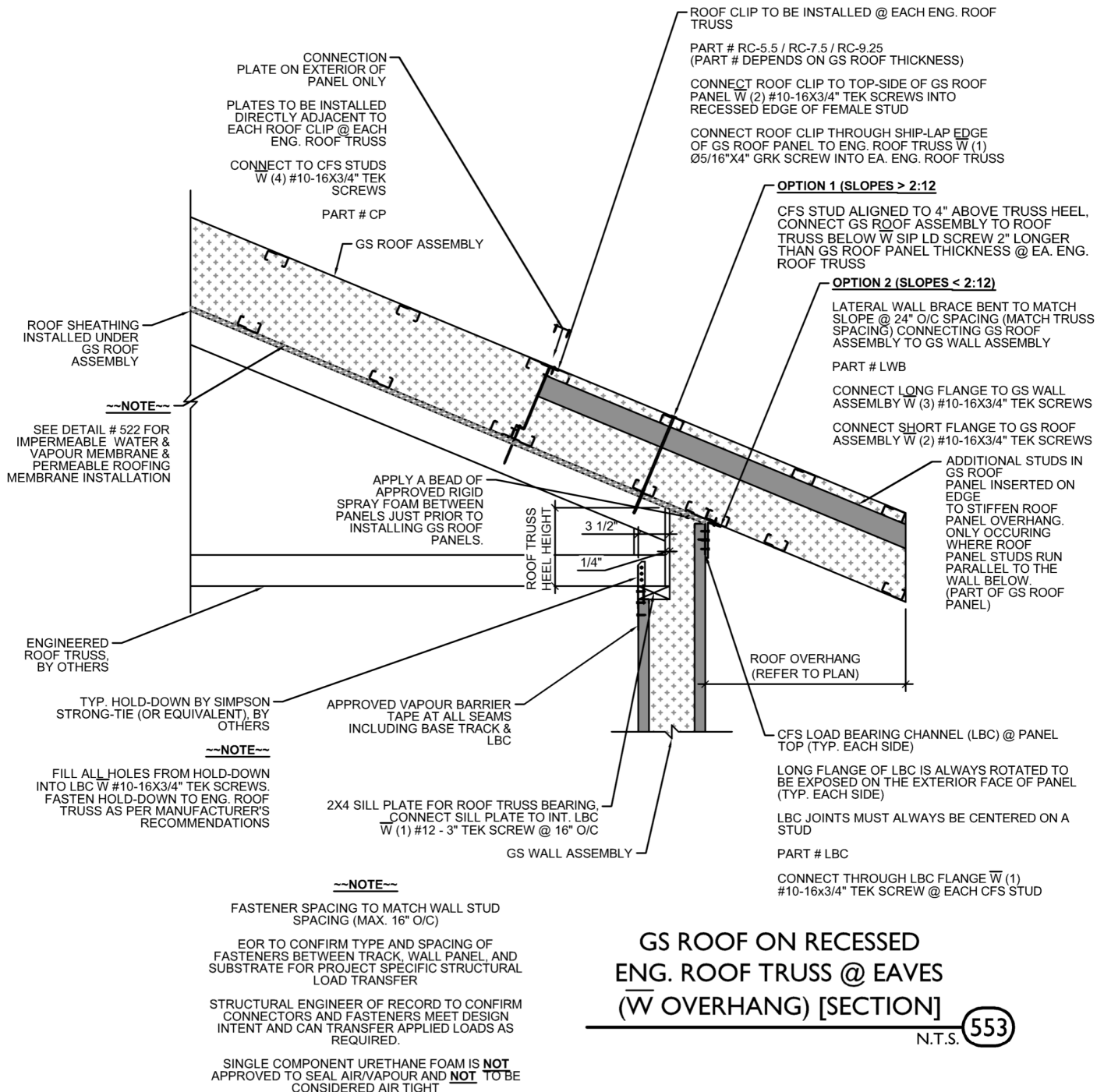
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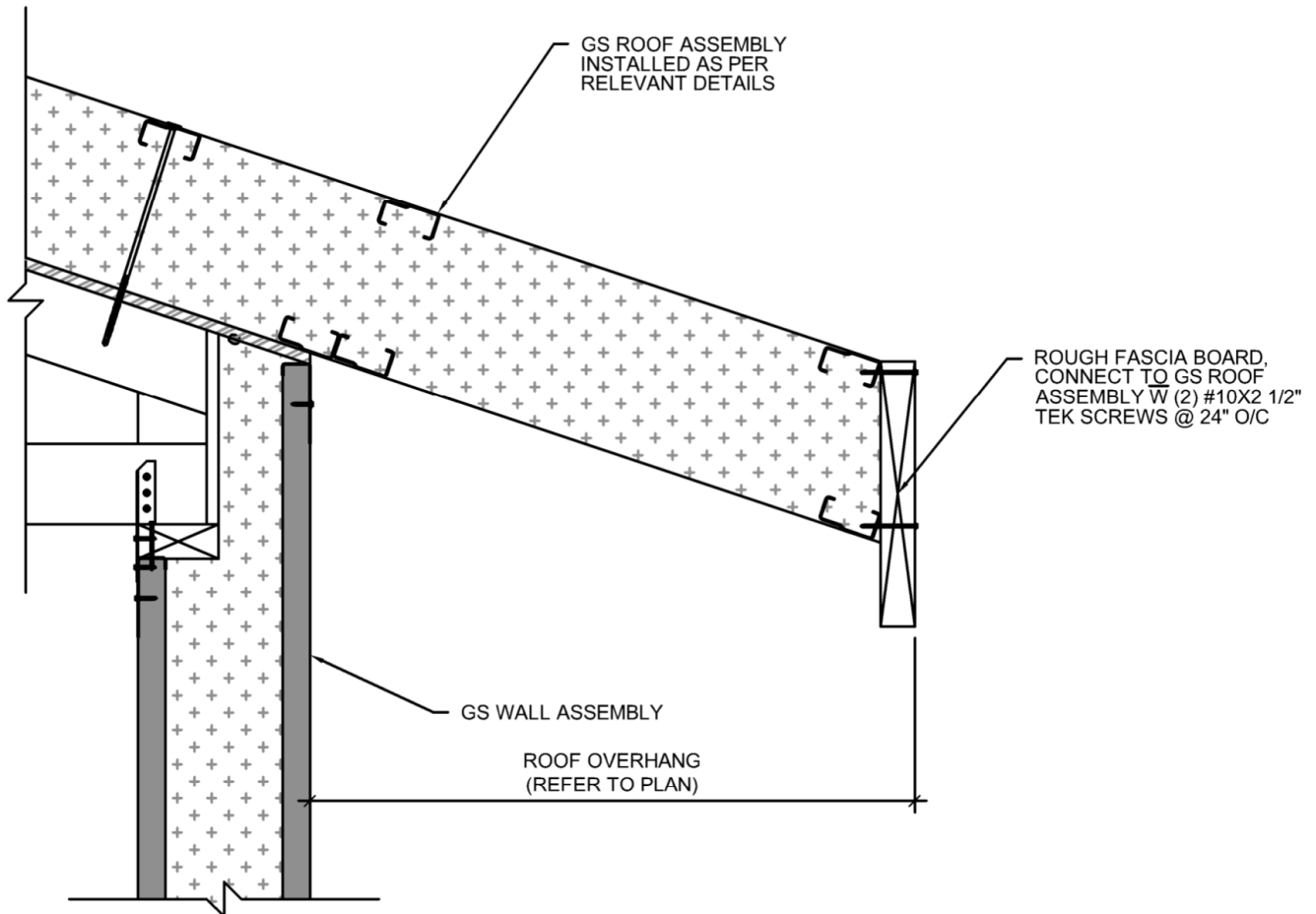
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STANDARD CONNECTION DETAILS

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ROUGH FASCIA ATTACHMENT ONTO GS ROOF [SECTION]

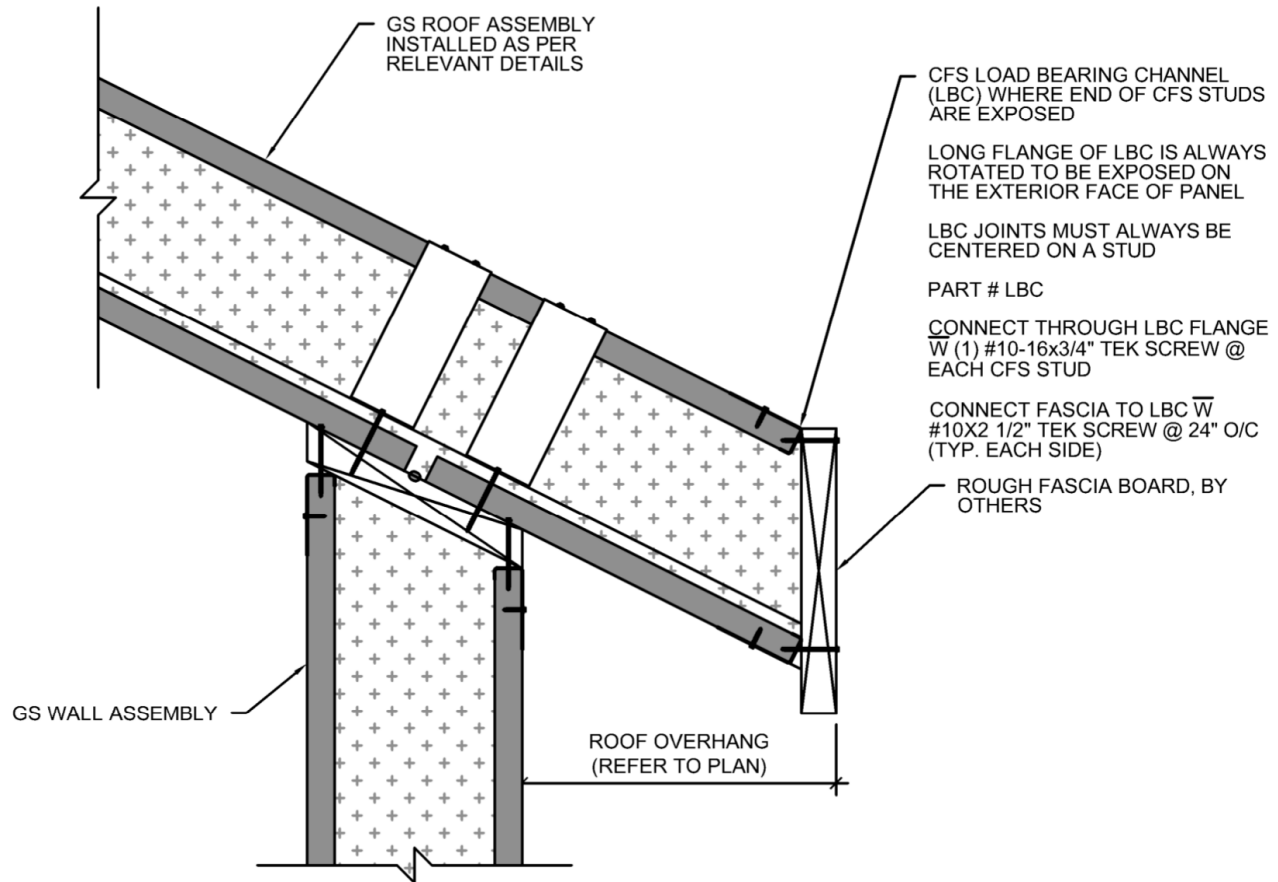
N.T.S.

554A

STANDARD CONNECTION DETAILS

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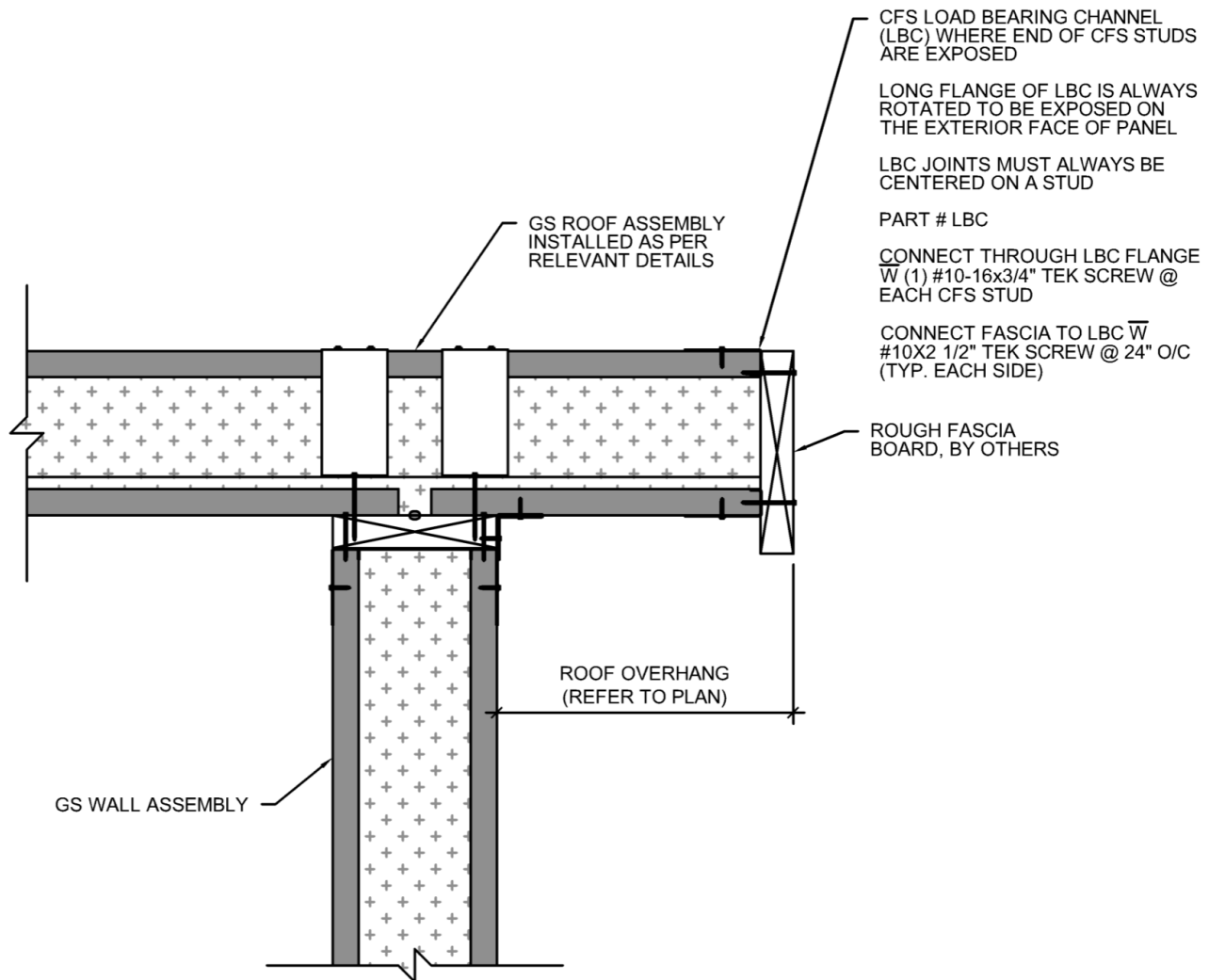
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ROUGH FASCIA ATTACHMENT ONTO GS ROOF [SECTION]

N.T.S.

554B



ROUGH FASCIA ATTACHMENT ONTO GS ROOF [SECTION]

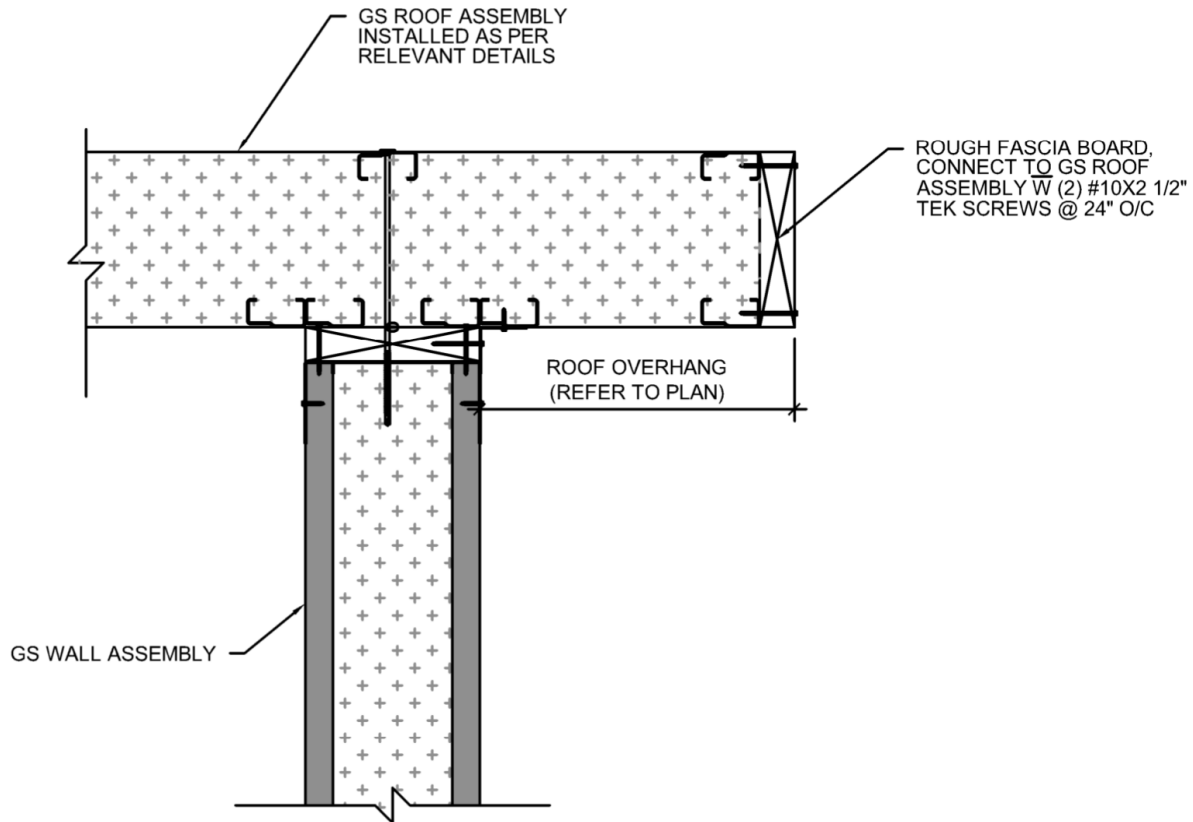
N.T.S.

554C

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

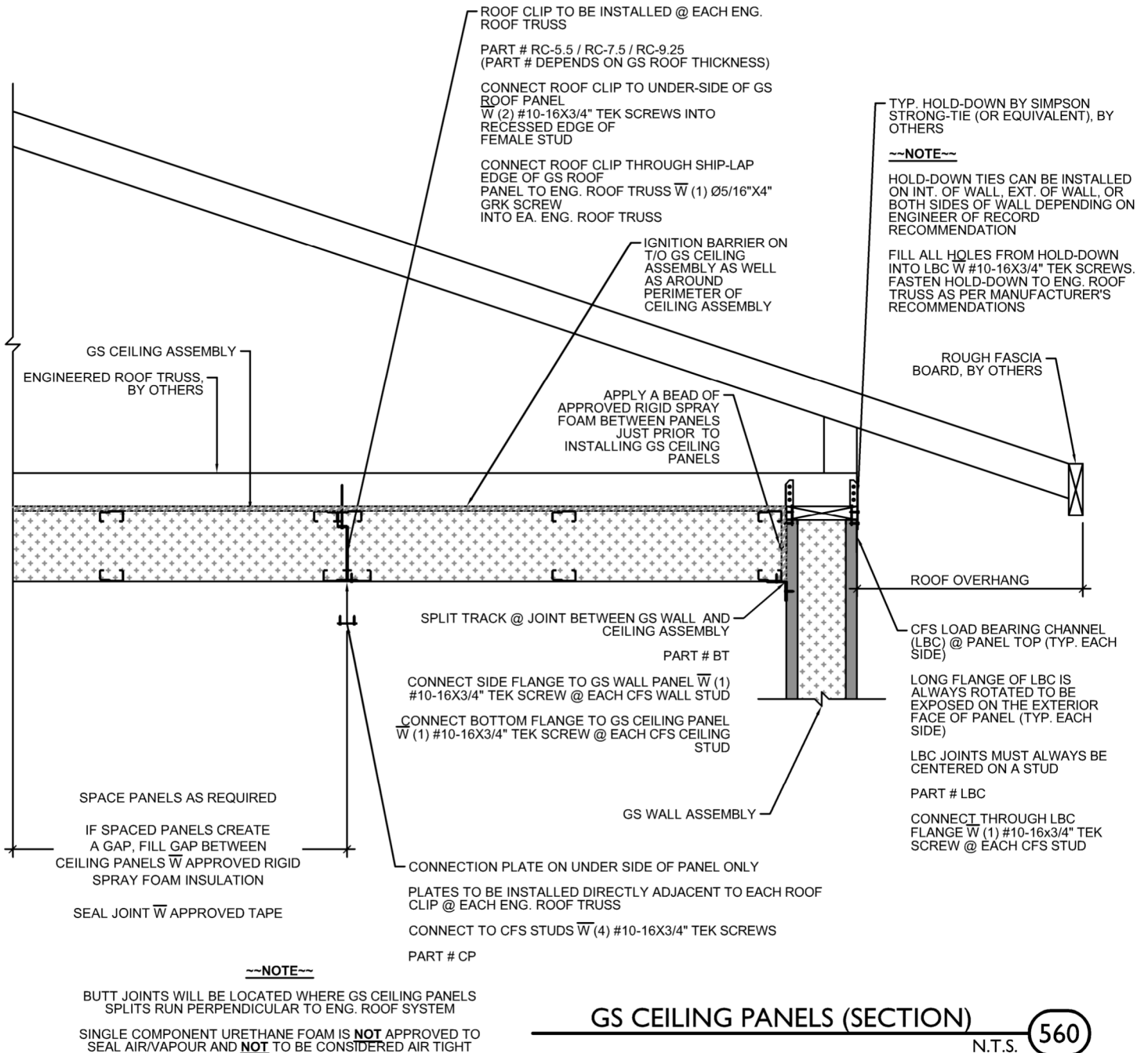
GSBP.CA | GREENSTONE BUILDING PRODUCTS



ROUGH FASCIA ATTACHMENT ONTO GS ROOF [SECTION]

N.T.S.

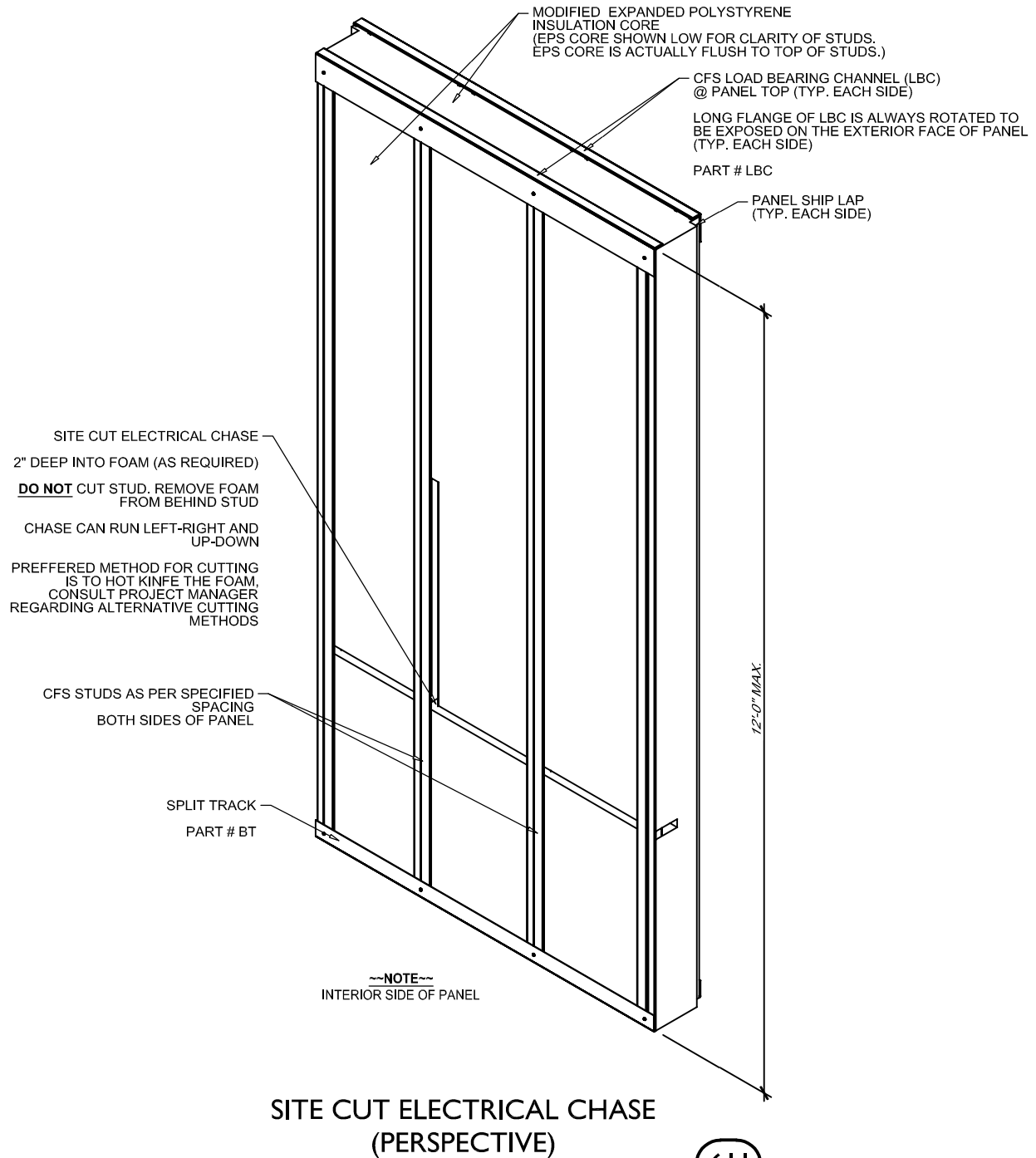
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STANDARD CONNECTION DETAILS

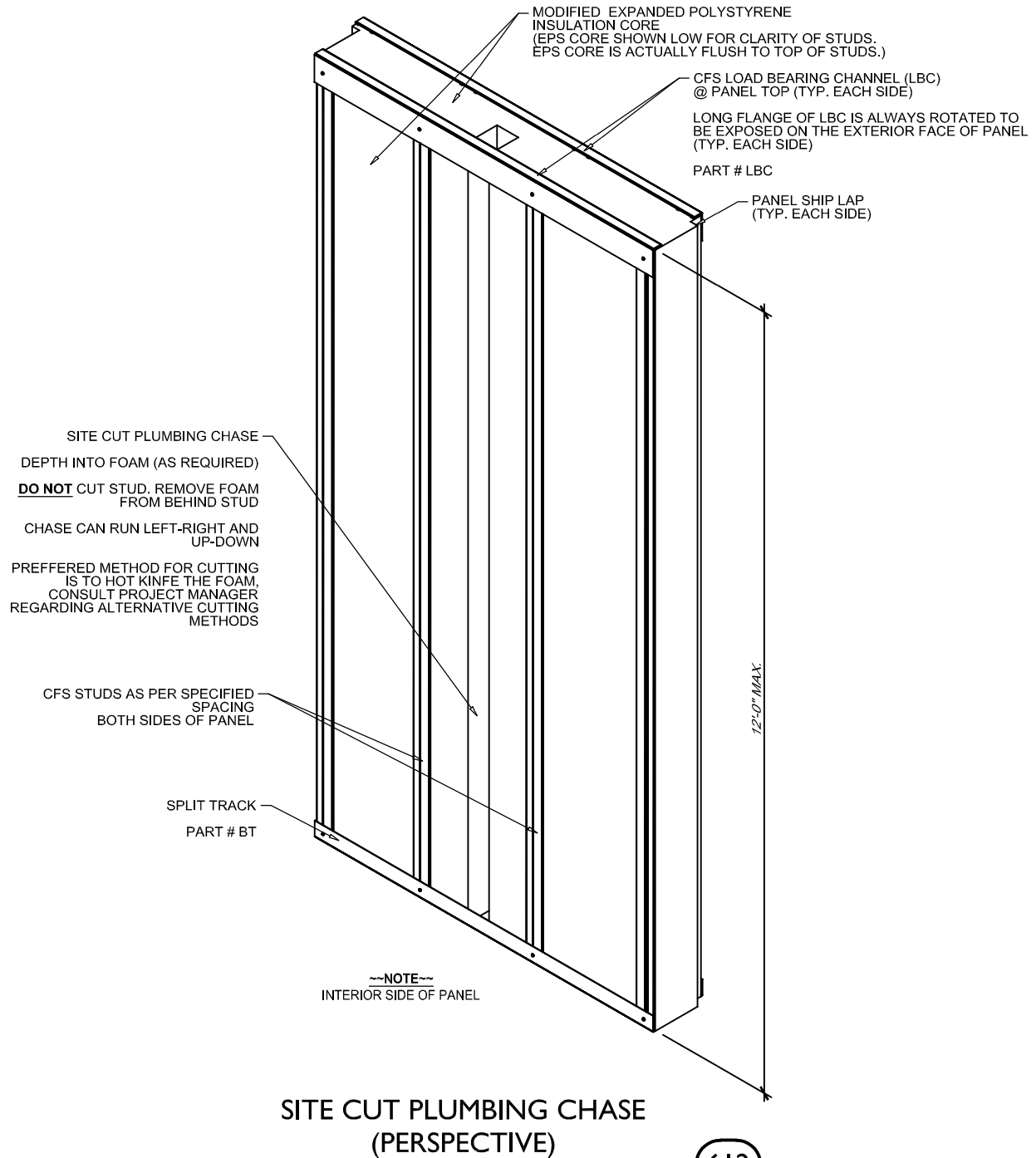
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N.T.S.

611



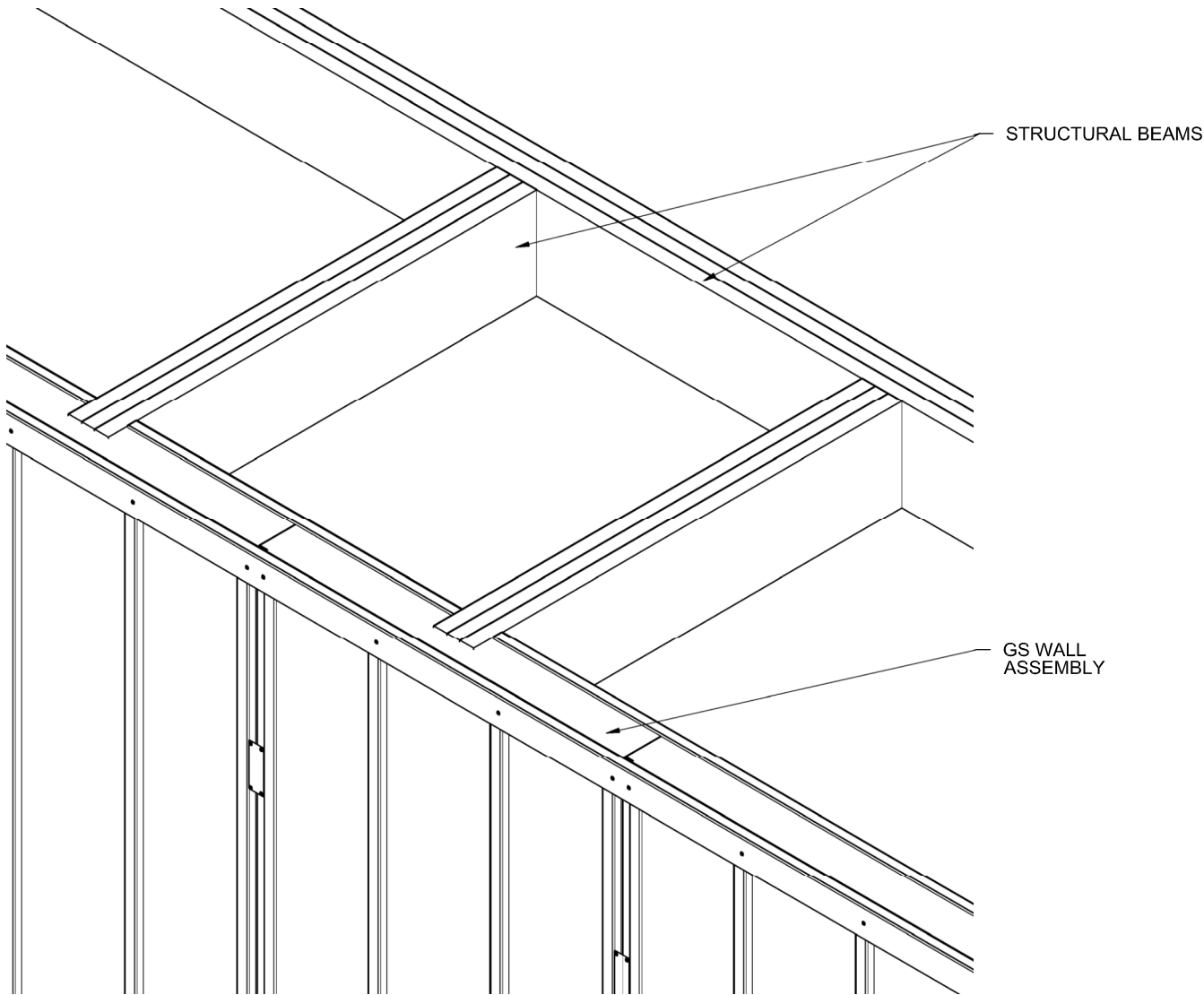
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612

STANDARD CONNECTION DETAILS

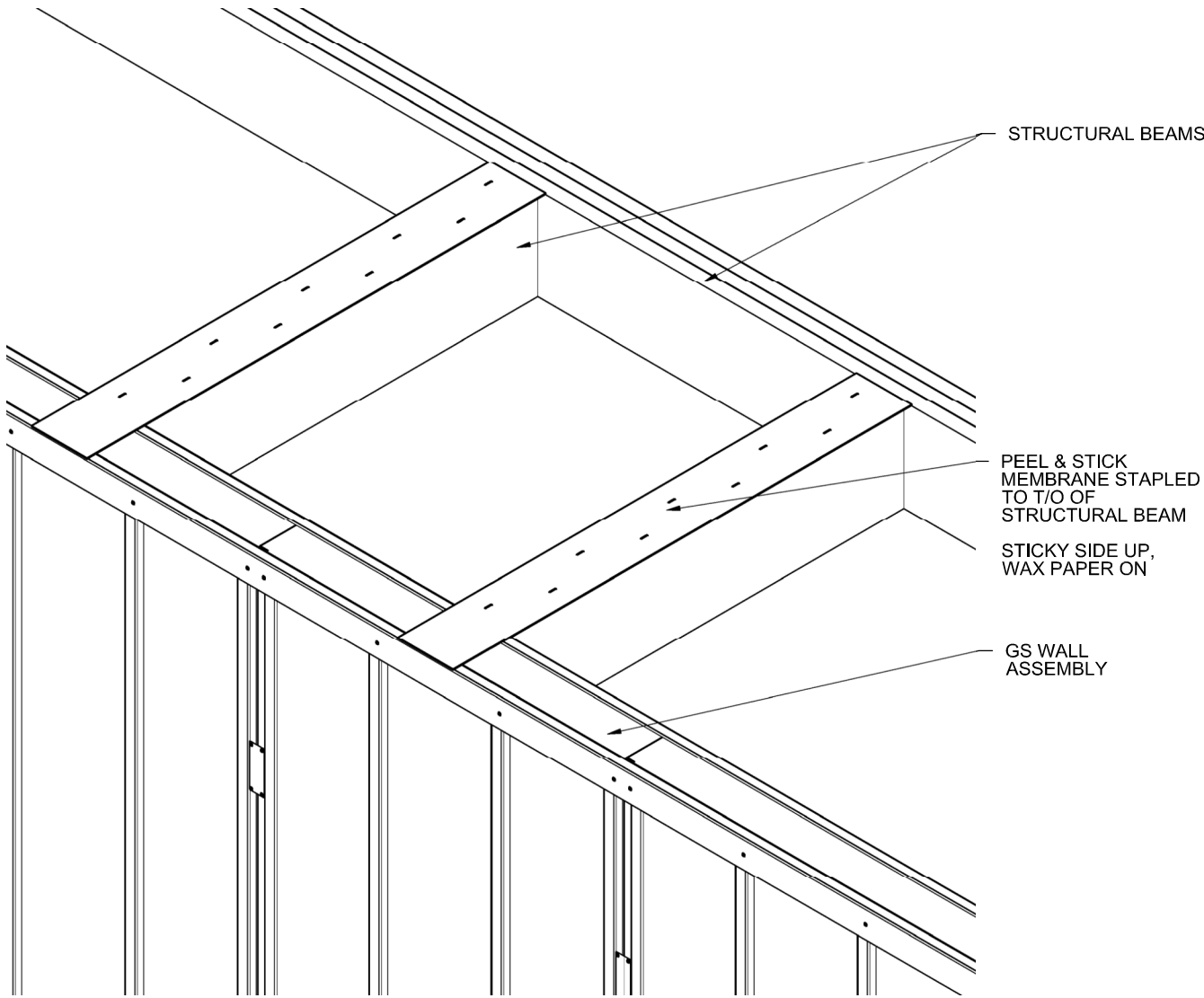
2025.03.04 | LATEST REVISION

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PEEL & STICK INSTALLATION
(PERSPECTIVE)

N.T.S. 614A



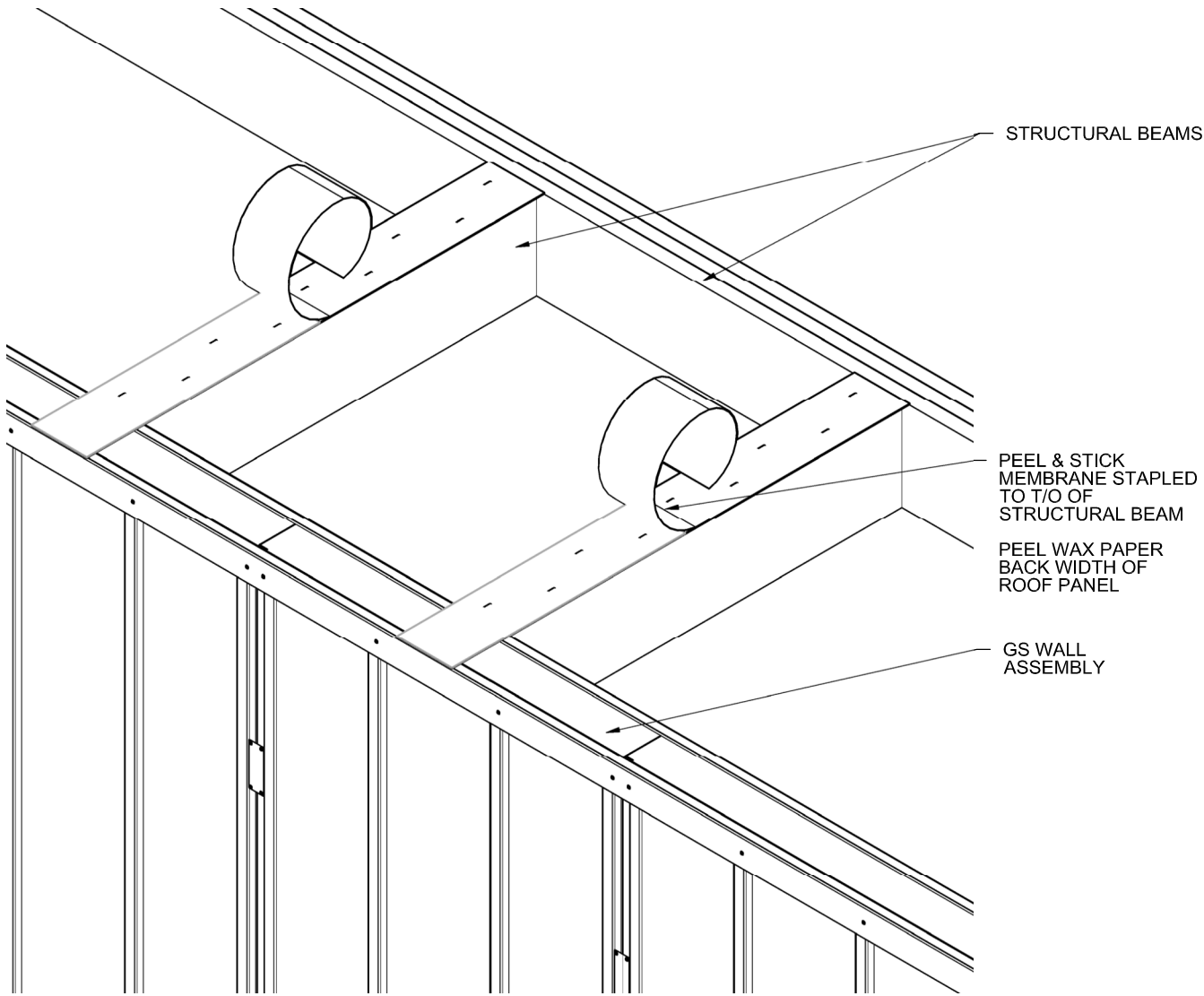
**PEEL & STICK INSTALLATION
(PERSPECTIVE)**

N.T.S. **614B**

STANDARD CONNECTION DETAILS

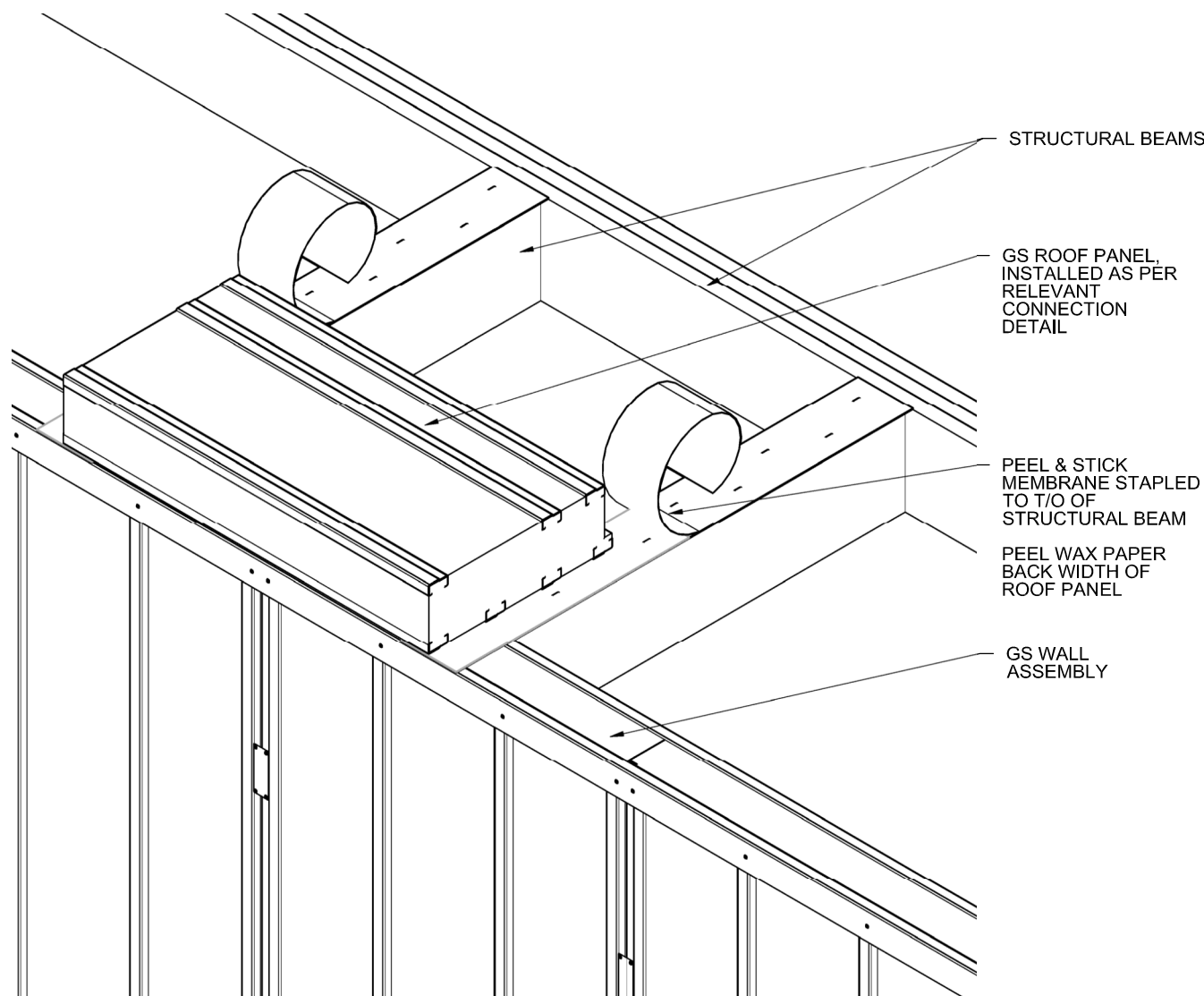
2025.03.04 | LATEST REVISION

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PEEL & STICK INSTALLATION
(PERSPECTIVE)

N.T.S. 614C



**PEEL & STICK INSTALLATION
(PERSPECTIVE)**

N.T.S. **614D**

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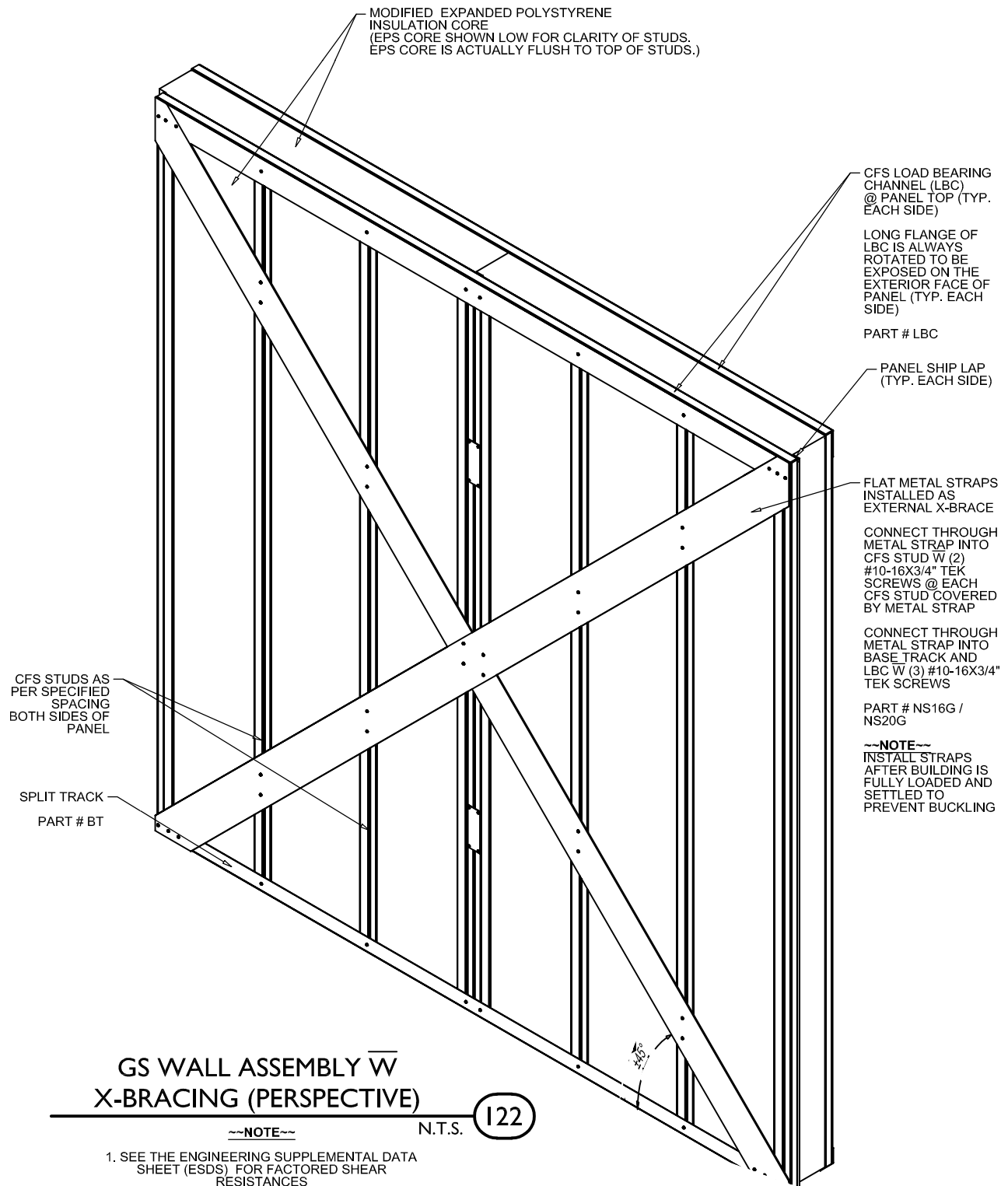
543. GS ROOF @ MID-SPAN BEAM [SECTION]

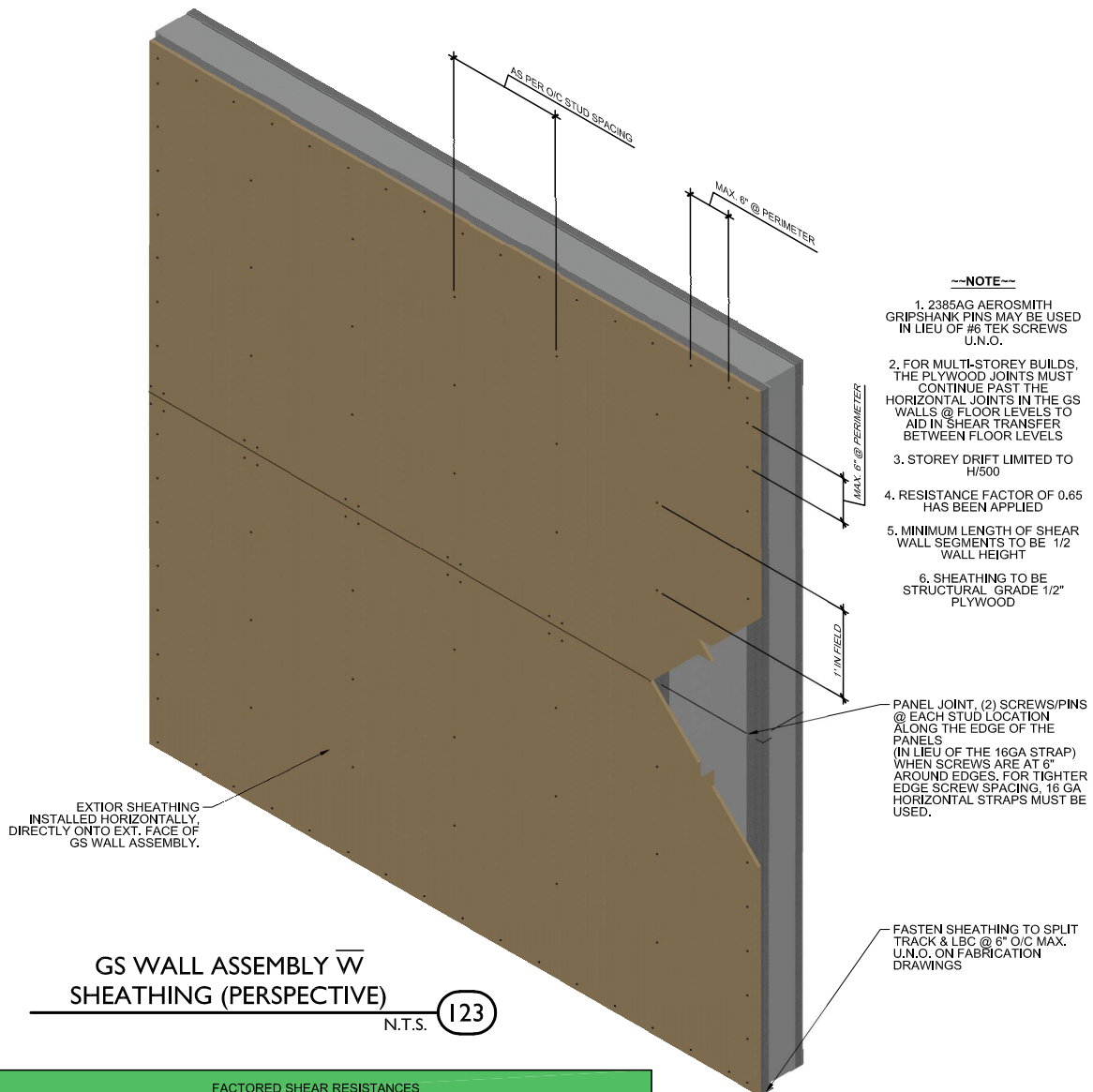
551. GS STRUCTURAL ROOF @ CROSS SLOPE (PERSPECTIVE)

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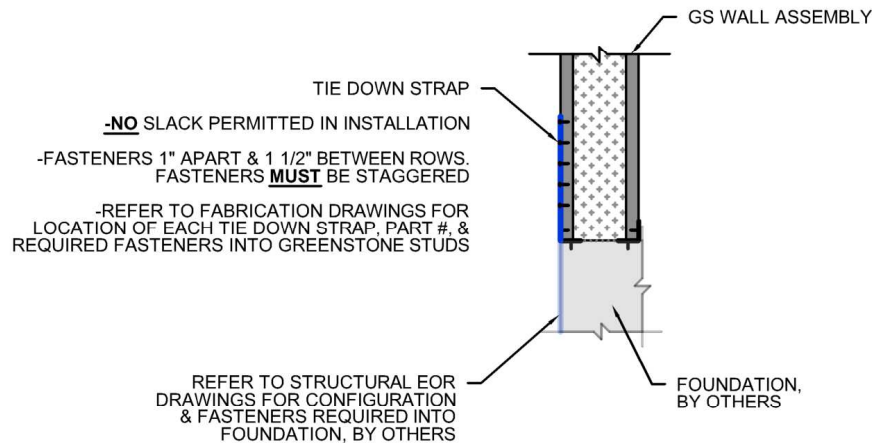
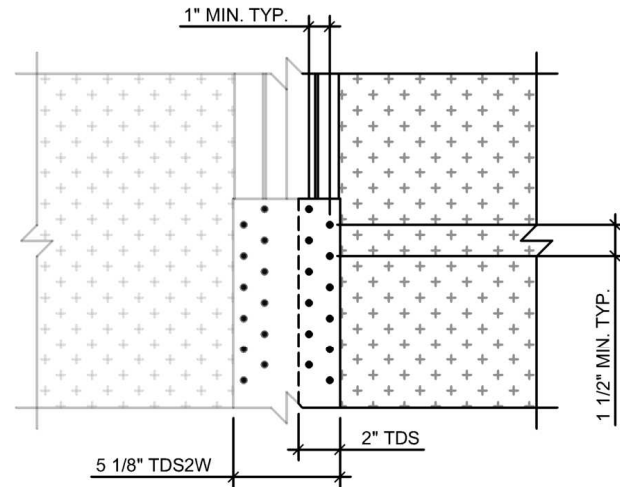
FACTORED SHEAR RESISTANCES						
SHEAR WALL TYPE	FASTENING REQUIREMENTS					MAX. SHEAR CAP. kN/m
	STUD GA	SHEATHING REQUIRED	FASTENERS	AROUND EDGES	IN FIELD	
SW1 *	20	NO	N/A	N/A	N/A	2.90
SW2	20	YES	AEROSMITH 2385AG PINS	6"	12"	4.52
SW3	18	YES	#6 TEK SCREWS	6"	12"	11.26
SW4	18	YES	AEROSMITH 2385AG PINS	4"	12"	12.51
SW5	16	YES	AEROSMITH 2385AG PINS	6"	12"	10.61
SW6	16	YES	AEROSMITH 2385AG PINS	4"	12"	14.4
SW7	16	YES	AEROSMITH 2385AG PINS	2"	12"	18.19

~NOTE~
- REFER TO FABRICATION DRAWINGS FOR LOCATION & TYPE OF SHEAR WALL
- * REFER TO ARCHITECTURAL DRAWINGS FOR WALL TYPES THAT REQUIRE EXTERIOR SHEATHING

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TIE DOWN STRAP ONTO GS WALL [SECTION & ELEVATION]

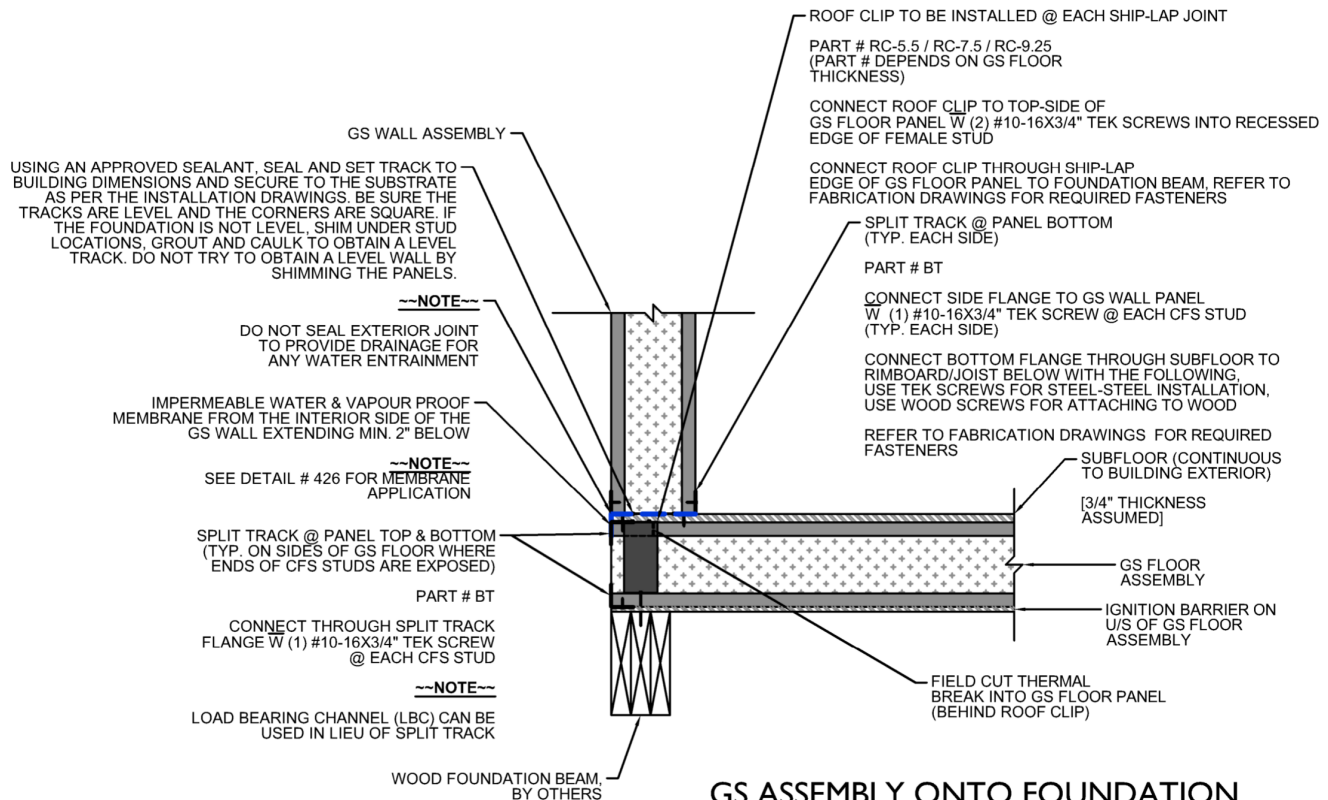
~~NOTE~~

N.T.S.

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TIE DOWN STRAP ILLUSTRATES INSTALLATION METHOD
TO BE USED @ WINDOWS, DOORS, & BUILDING CORNERS
TO THE FOUNDATION

@ CORNERS BETWEEN 2 SHEAR WALLS, BOTH SIDES OF
THE CORNER REQUIRE A TIE DOWN STRAP



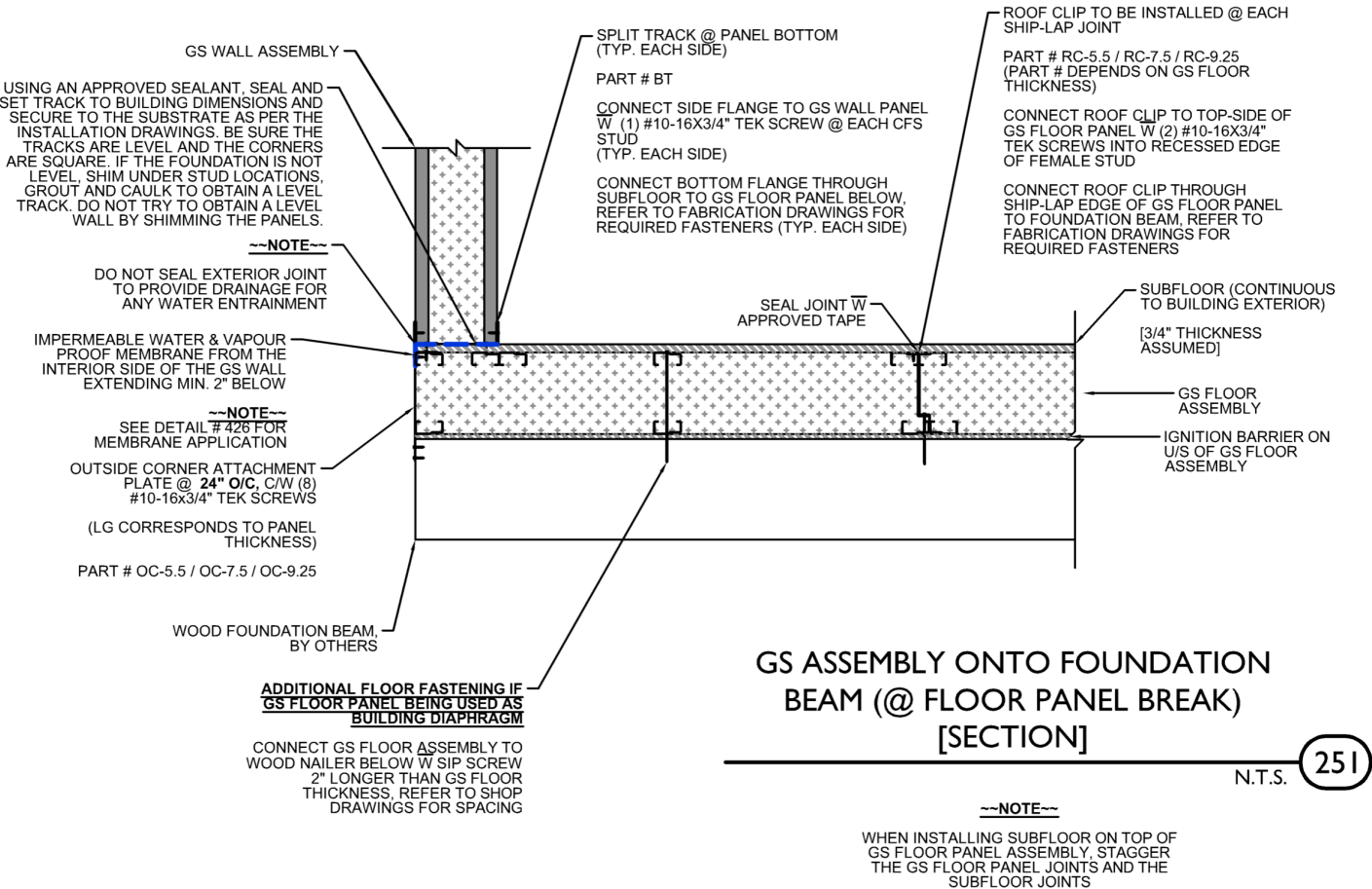
GS ASSEMBLY ONTO FOUNDATION BEAM (@ EXT. WALL W CONTINUOUS SUBFLOOR) [SECTION]

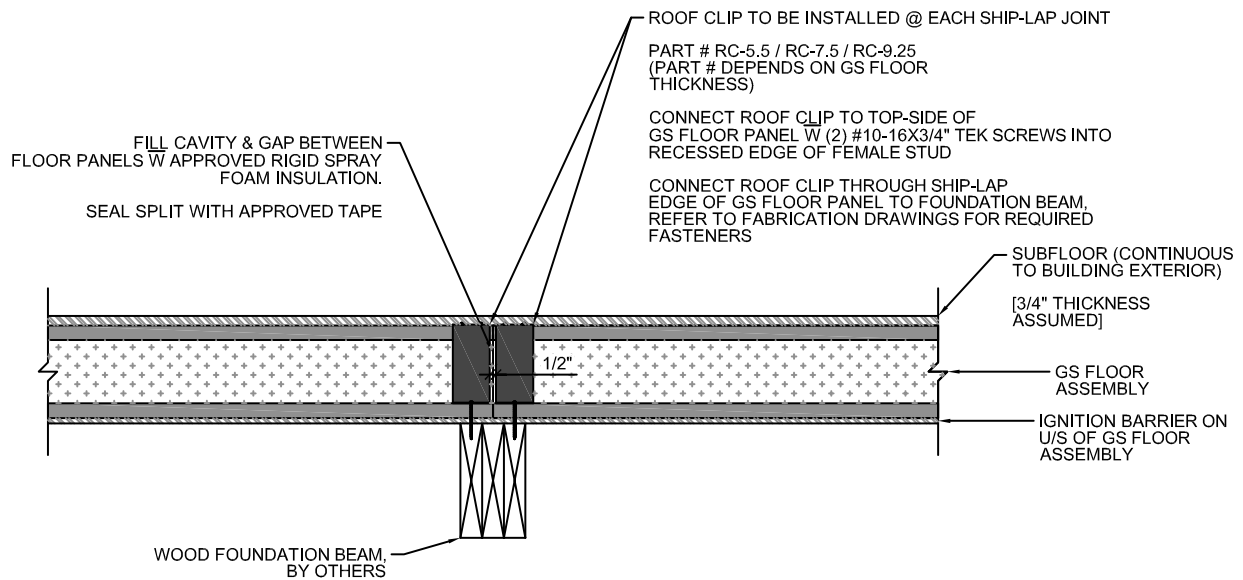
N.T.S. **250**

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**GS ASSEMBLY ONTO FOUNDATION
BEAM (@ FLOOR PANEL SPLIT)
[SECTION]**

N.T.S.

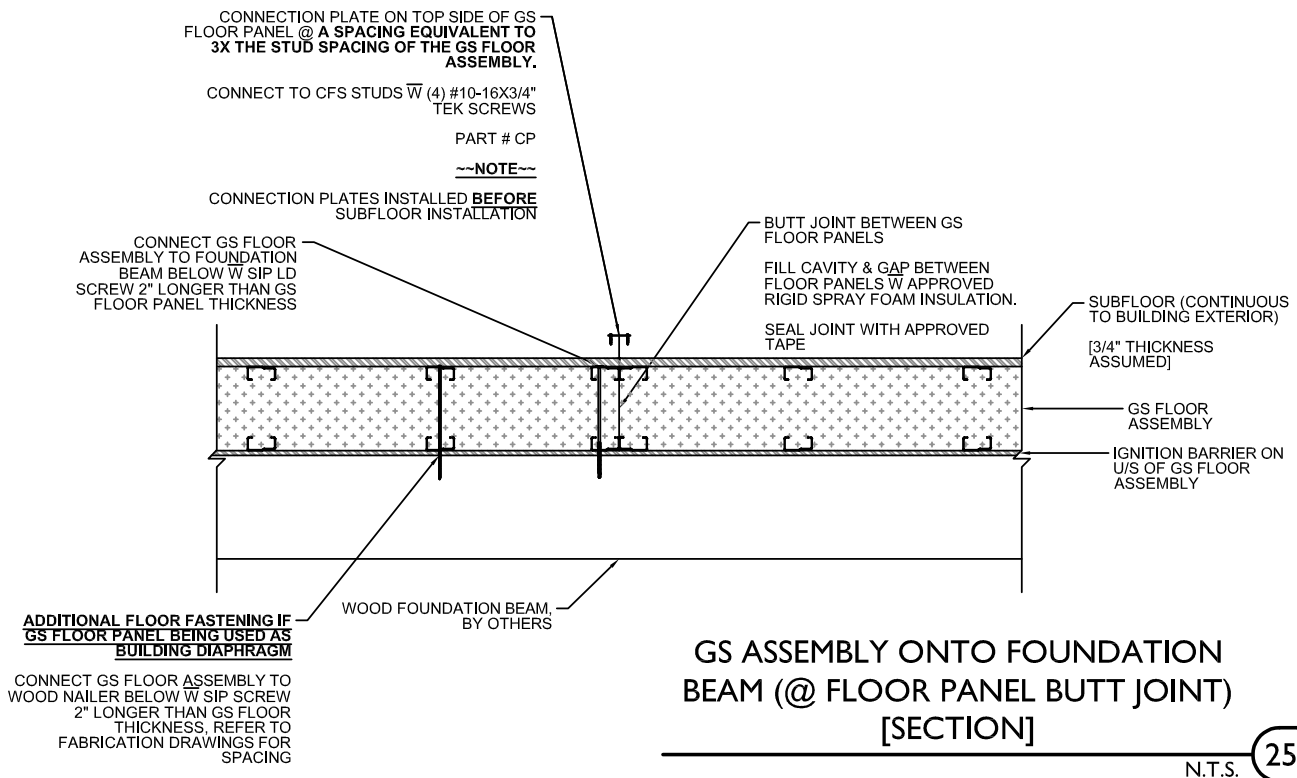
252

~~NOTE~~

WHEN INSTALLING SUBFLOOR ON TOP OF
GS FLOOR PANEL ASSEMBLY, STAGGER
THE GS FLOOR PANEL JOINTS AND THE
SUBFLOOR JOINTS

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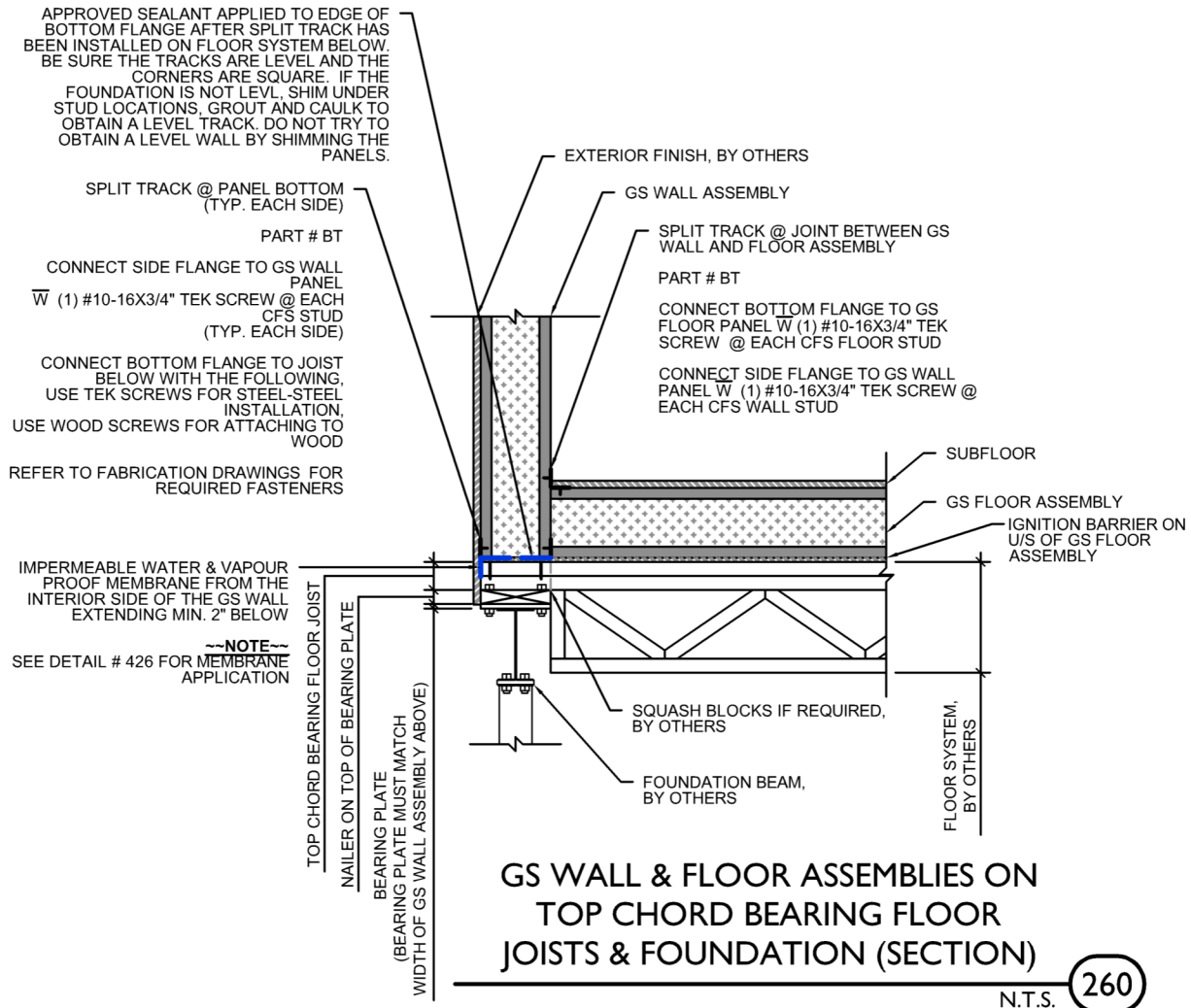


N.T.S.

253

~~NOTE~~

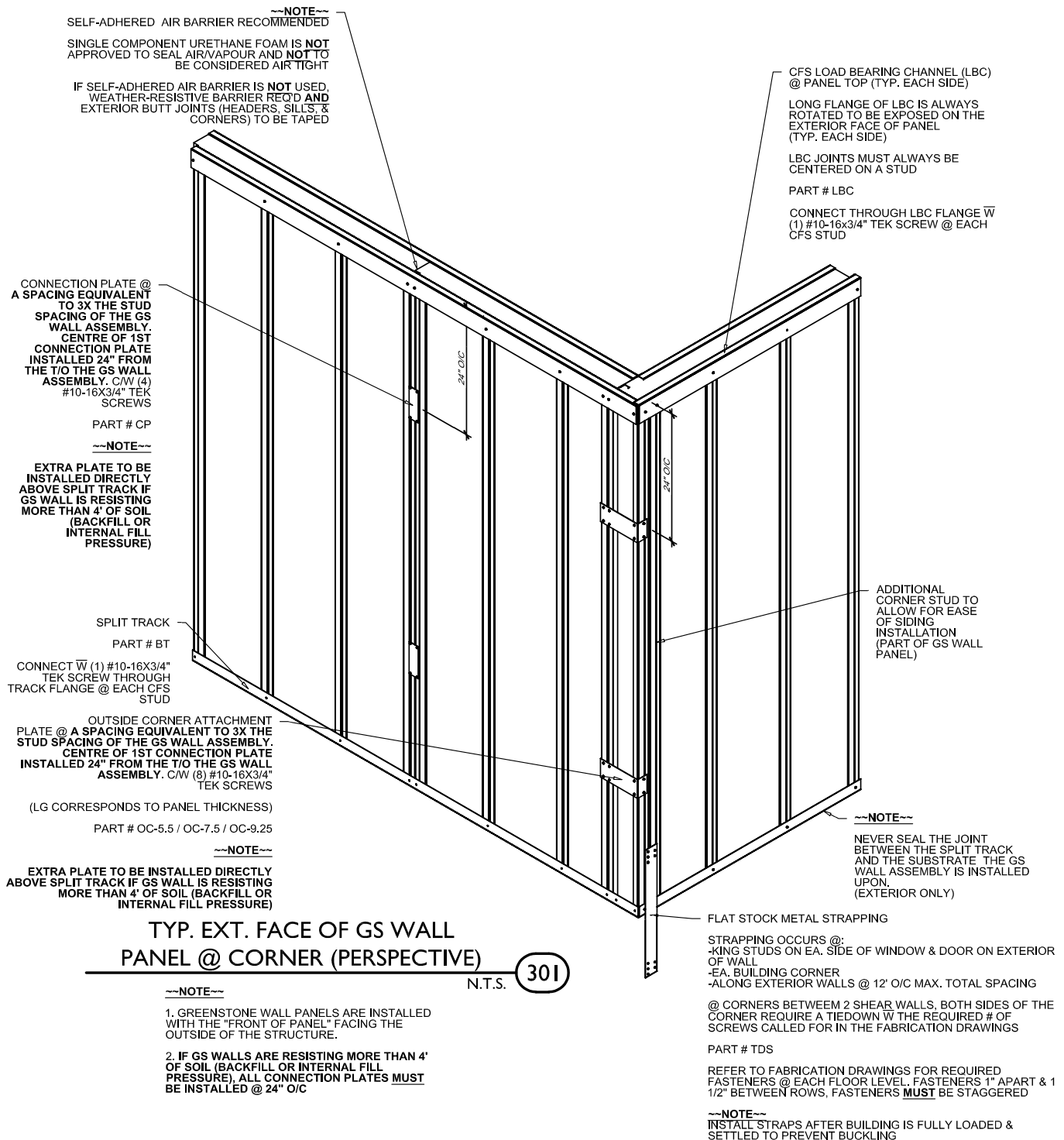
WHEN INSTALLING SUBFLOOR ON TOP OF GS FLOOR PANEL ASSEMBLY, STAGGER THE GS FLOOR PANEL JOINTS AND THE SUBFLOOR JOINTS

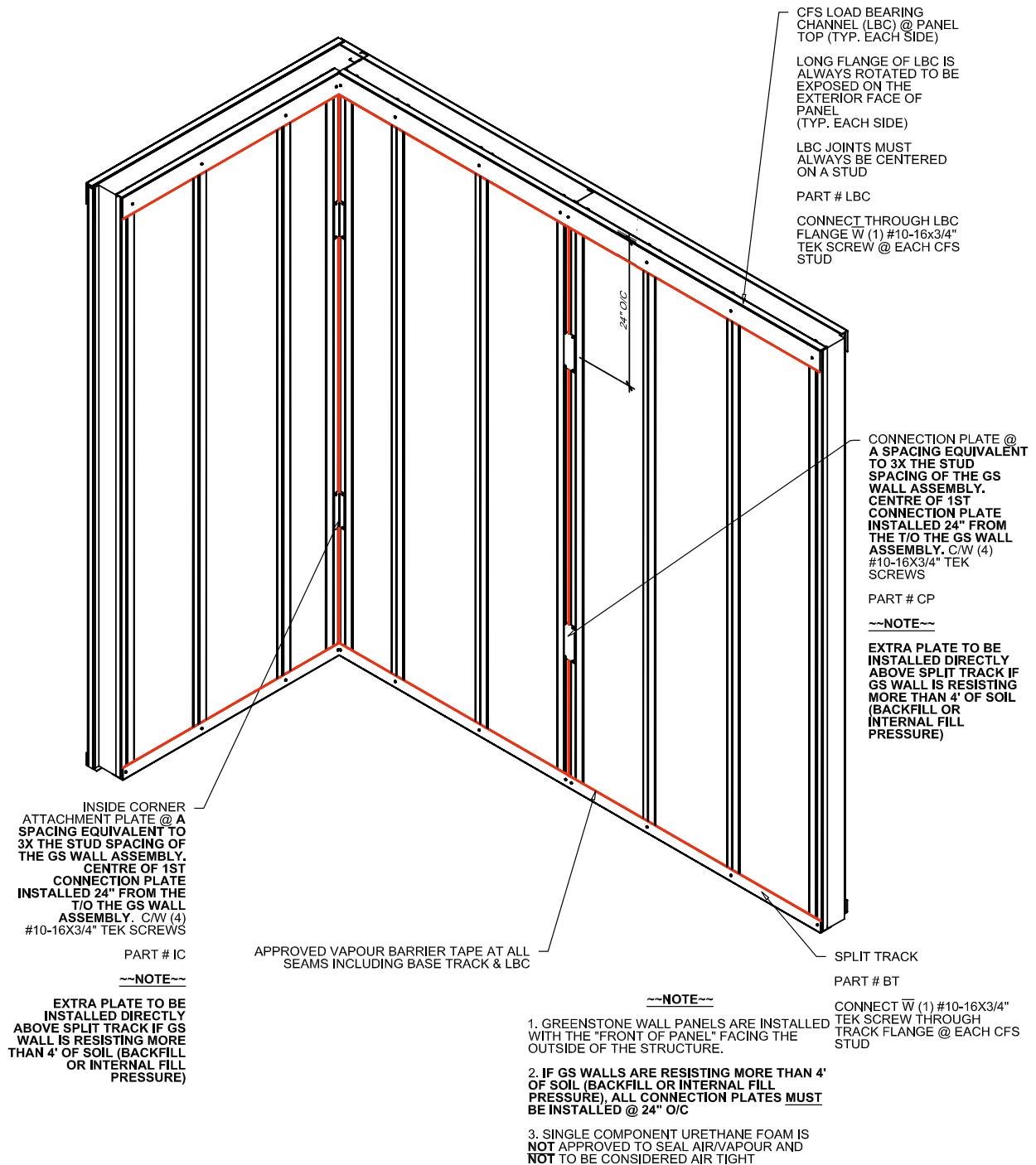


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**TYP. INT. FACE OF GS WALL
PANEL @ CORNER (PERSPECTIVE)**

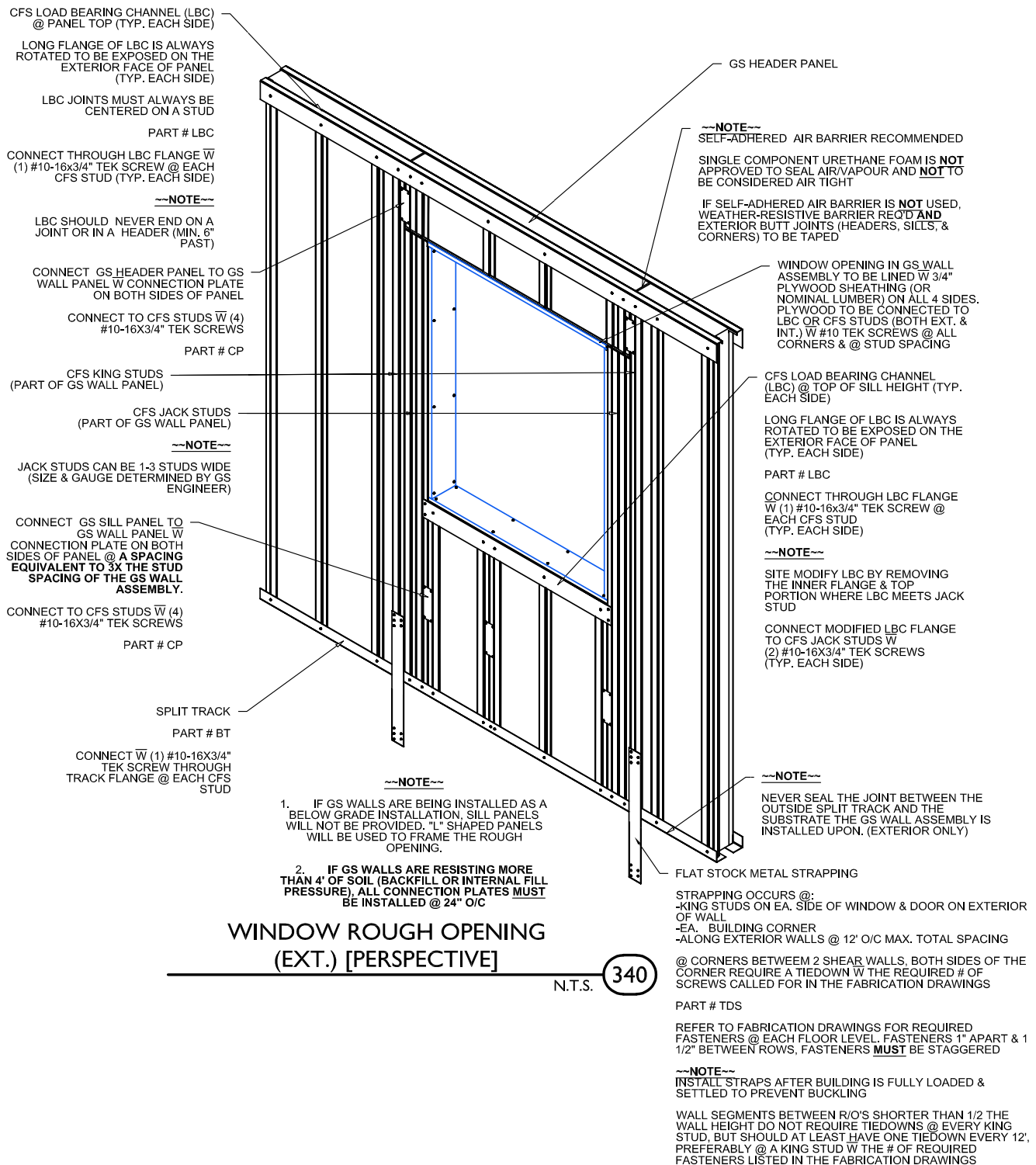
N.T.S.

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CFS LOAD BEARING CHANNEL (LBC) @
PANEL TOP (TYP. EACH SIDE)

LONG FLANGE OF LBC IS ALWAYS
ROTATED TO BE EXPOSED ON THE
EXTERIOR FACE OF PANEL
(TYP. EACH SIDE)

LBC JOINTS MUST ALWAYS BE
CENTERED ON A STUD

PART # LBC

CONNECT THROUGH LBC FLANGE W/
(1) #10-16x3/4" TEK SCREW @ EACH
CFS STUD (TYP. EACH SIDE)

~~NOTE~~

LBC SHOULD NEVER END ON A JOINT
OR IN A HEADER (MIN. 6" PAST)

CONNECT GS HEADER PANEL TO GS
WALL PANEL W CONNECTION PLATE
ON BOTH SIDES OF PANEL

CONNECT TO CFS STUDS W (4)
#10-16X3/4" TEK SCREWS

PART # CP

CFS KING STUDS
(PART OF GS WALL PANEL)

CFS JACK STUDS
(PART OF GS WALL PANEL)

~~NOTE~~

JACK STUDS CAN BE 1-3 STUDS WIDE
(SIZE & GAUGE DETERMINED BY GS
ENGINEER)

SPLIT TRACK

PART # BT

CONNECT W (1) #10-16X3/4"
TEK SCREW THROUGH
TRACK FLANGE @ EACH CFS
STUD

FLAT STOCK METAL STRAPPING

STRAPPING OCCURS @:
-KING STUDS ONEEA. SIDE OF WINDOW & DOOR ON EXTERIOR
OF WALL
-EA. BUILDING CORNER
-ALONG EXTERIOR WALLS @ 12' O/C MAX. TOTAL SPACING

@ CORNERS BETWEEN 2 SHEAR WALLS, BOTH SIDES OF THE
CORNER REQUIRE A TIEDOWN W THE REQUIRED # OF
SCREWS CALLED FOR IN THE FABRICATION DRAWINGS

PART # TDS

REFER TO FABRICATION DRAWINGS FOR REQUIRED
FASTENERS @ EACH FLOOR LEVEL. FASTENERS 1" APART & 1
1/2" BETWEEN ROWS, FASTENERS **MUST** BE STAGGERED

~~NOTE~~

INSTALL STRAPS AFTER BUILDING IS FULLY LOADED &
SETTLED TO PREVENT BUCKLING

WALL SEGMENTS BETWEEN R/O'S SHORTER THAN 1/2 THE
WALL HEIGHT DO NOT REQUIRE TIEDOWNS @ EVERY KING
STUD, BUT SHOULD AT LEAST HAVE ONE TIEDOWN EVERY 12',
PREFERABLY @ A KING STUD W THE # OF REQUIRED
FASTENERS LISTED IN THE FABRICATION DRAWINGS

GS HEADER PANEL

~~NOTE~~

SELF-ADHERED AIR BARRIER RECOMMENDED
SINGLE COMPONENT URETHANE FOAM IS **NOT**
APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO
BE CONSIDERED AIR TIGHT

IF SELF-ADHERED AIR BARRIER IS **NOT** USED,
WEATHER-RESISTIVE BARRIER REQ'D AND
EXTERIOR BUTT JOINTS (HEADERS, SILLS, &
CORNERS) TO BE TAPED

DOOR OPENING IN GS WALL
ASSEMBLY TO BE LINED W 3/4"
PLYWOOD SHEATHING (OR
NOMINAL LUMBER) ON ALL 3 SIDES.
PLYWOOD TO BE CONNECTED TO
LBC OR CFS STUDS (BOTH EXT. &
INT.) W #10 TEK SCREWS @ ALL
CORNERS & @ STUD SPACING

~~NOTE~~

NEVER SEAL THE JOINT BETWEEN THE
OUTSIDE SPLIT TRACK AND THE
SUBSTRATE THE GS WALL ASSEMBLY
IS INSTALLED UPON.
(EXTERIOR ONLY)

DOOR ROUGH OPENING (EXT.) [PERSPECTIVE]

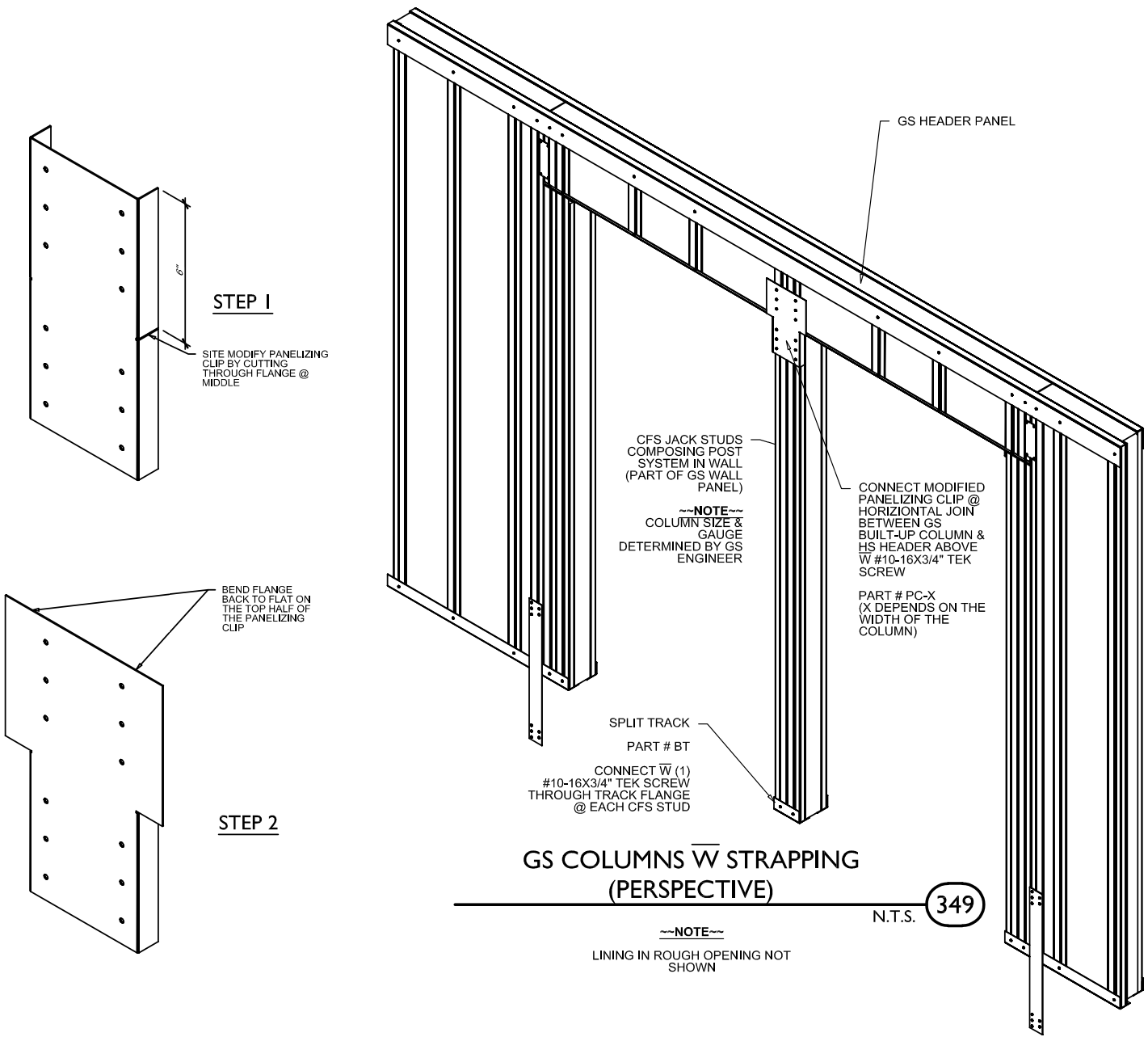
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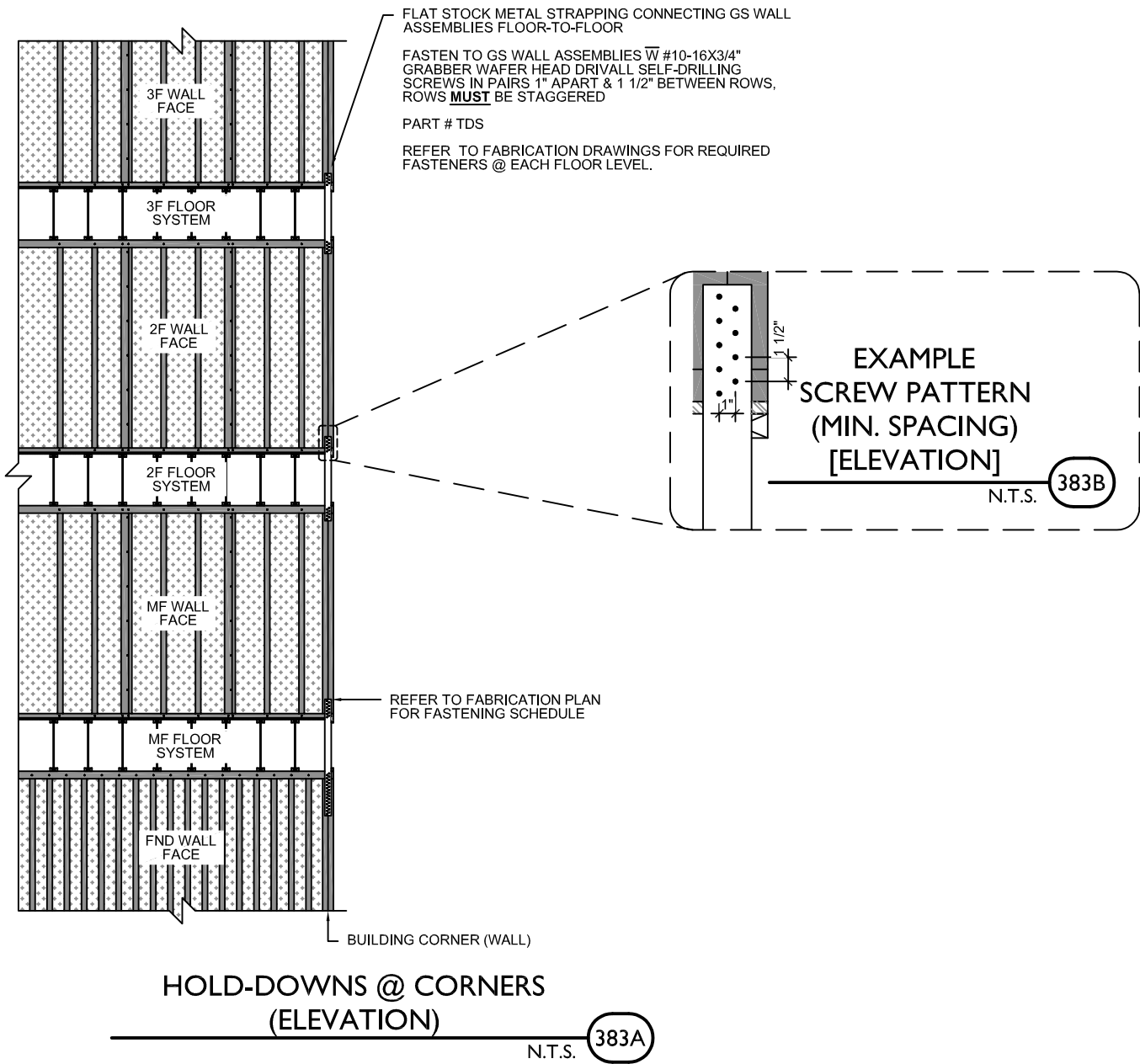
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STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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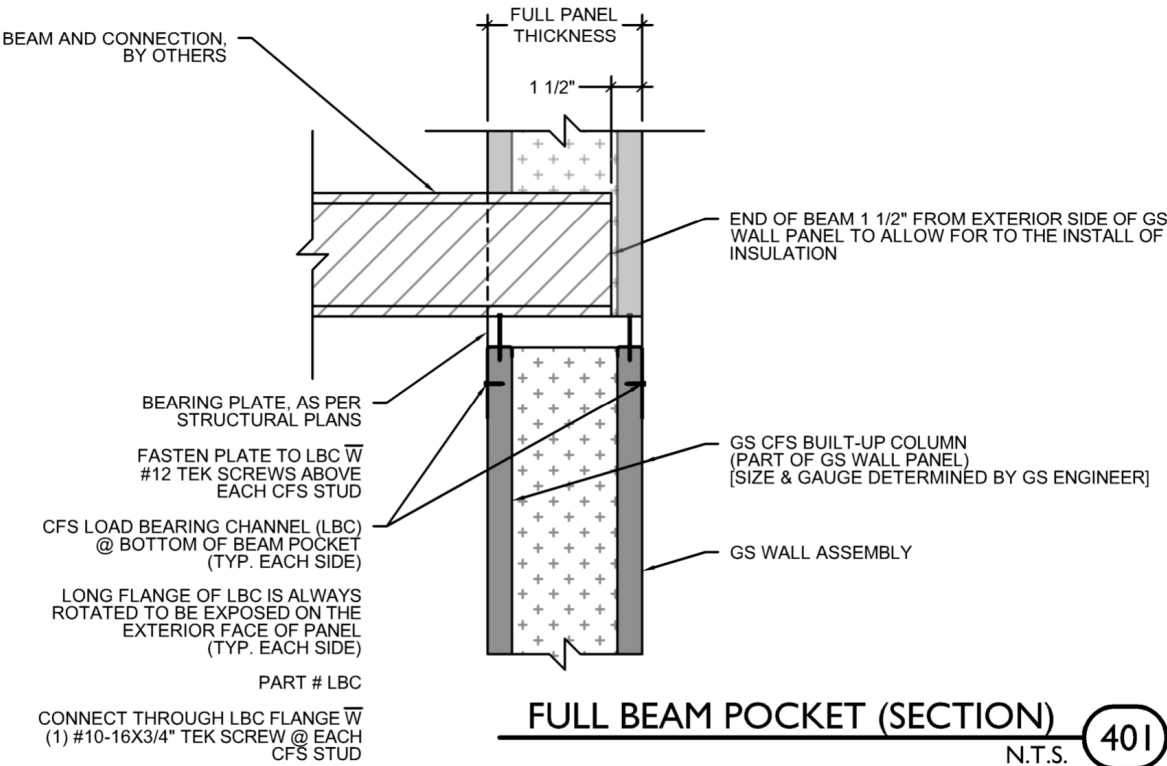


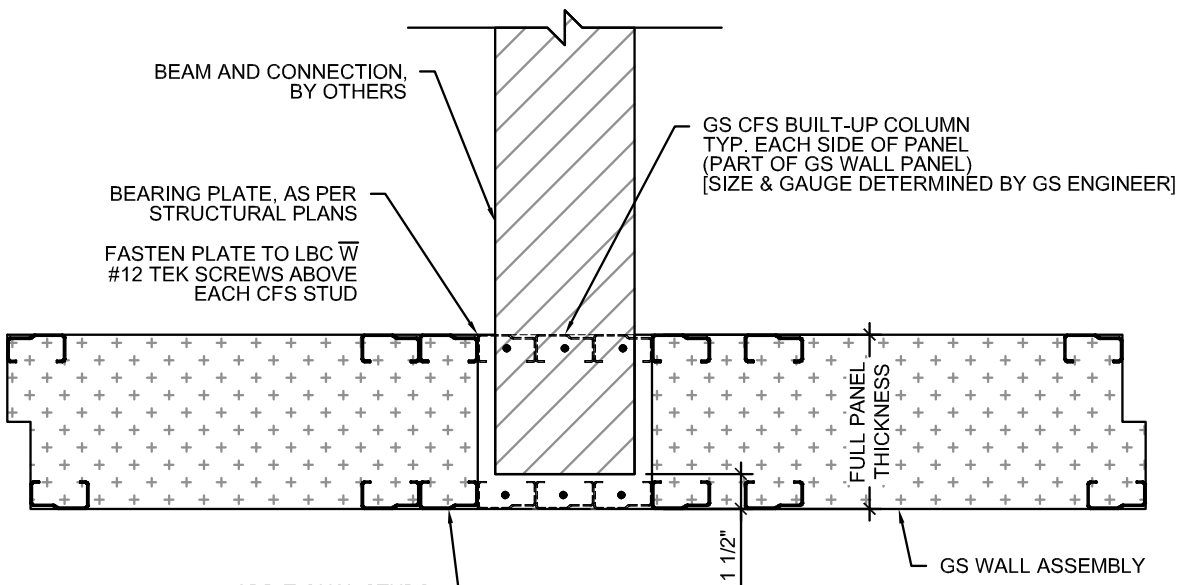


STANDARD CONNECTION DETAILS

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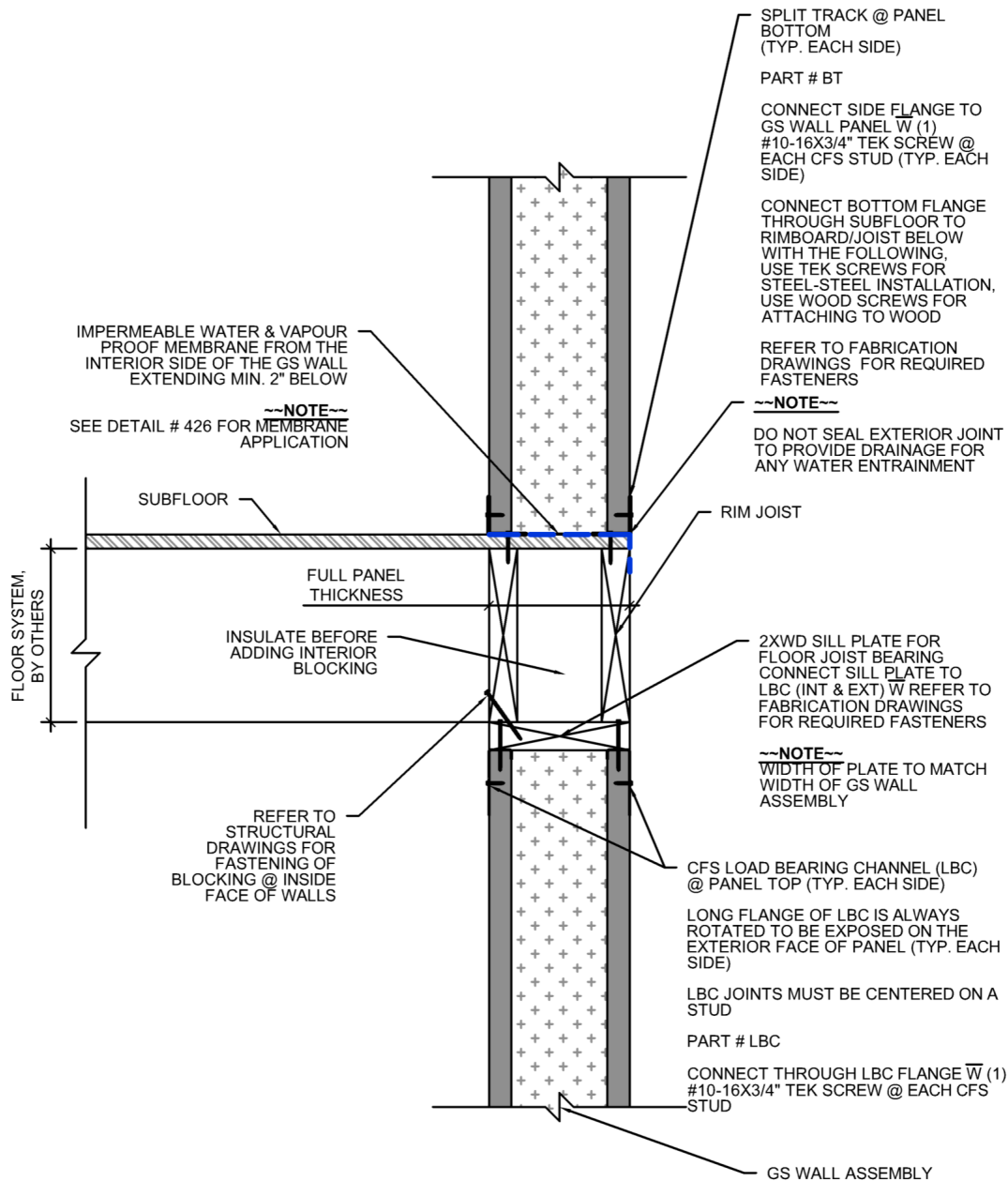
FULL BEAM POCKET (PLAN)

N.T.S. **402**

STANDARD CONNECTION DETAILS

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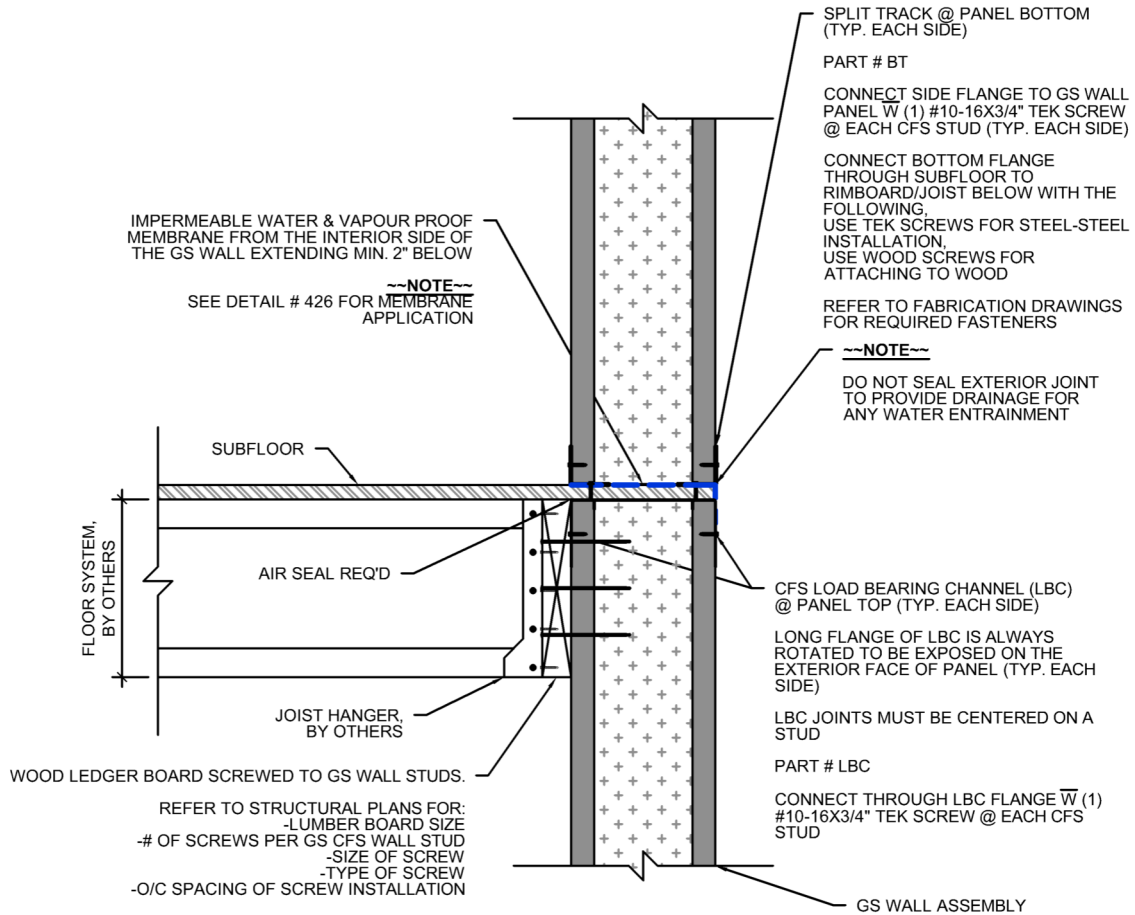
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FULL BEARING FLOOR W SILL PLATE (SECTION)

N.T.S.

423



**LEDGER BEARING
FLOOR (SECTION)**

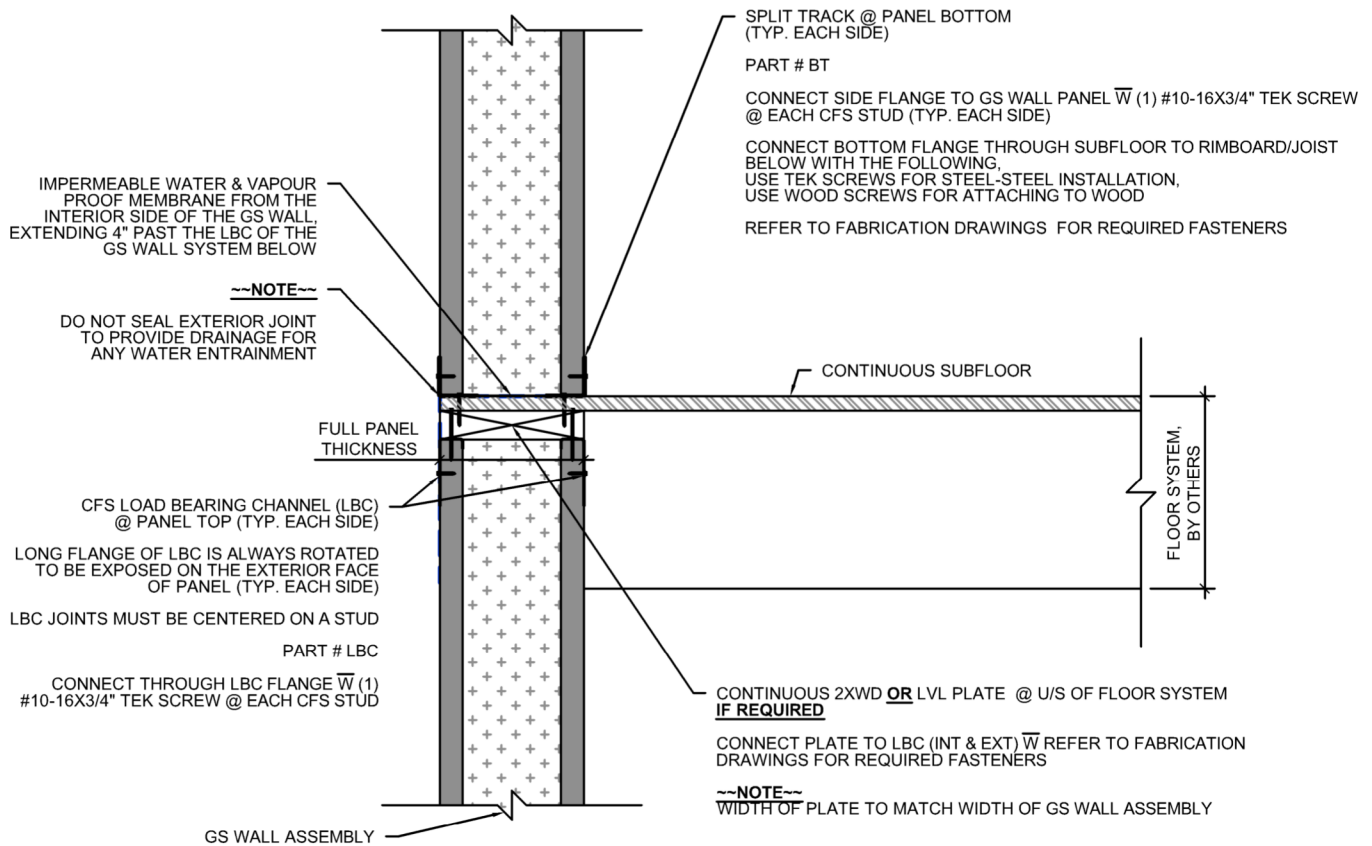
N.T.S.

424

STANDARD CONNECTION DETAILS

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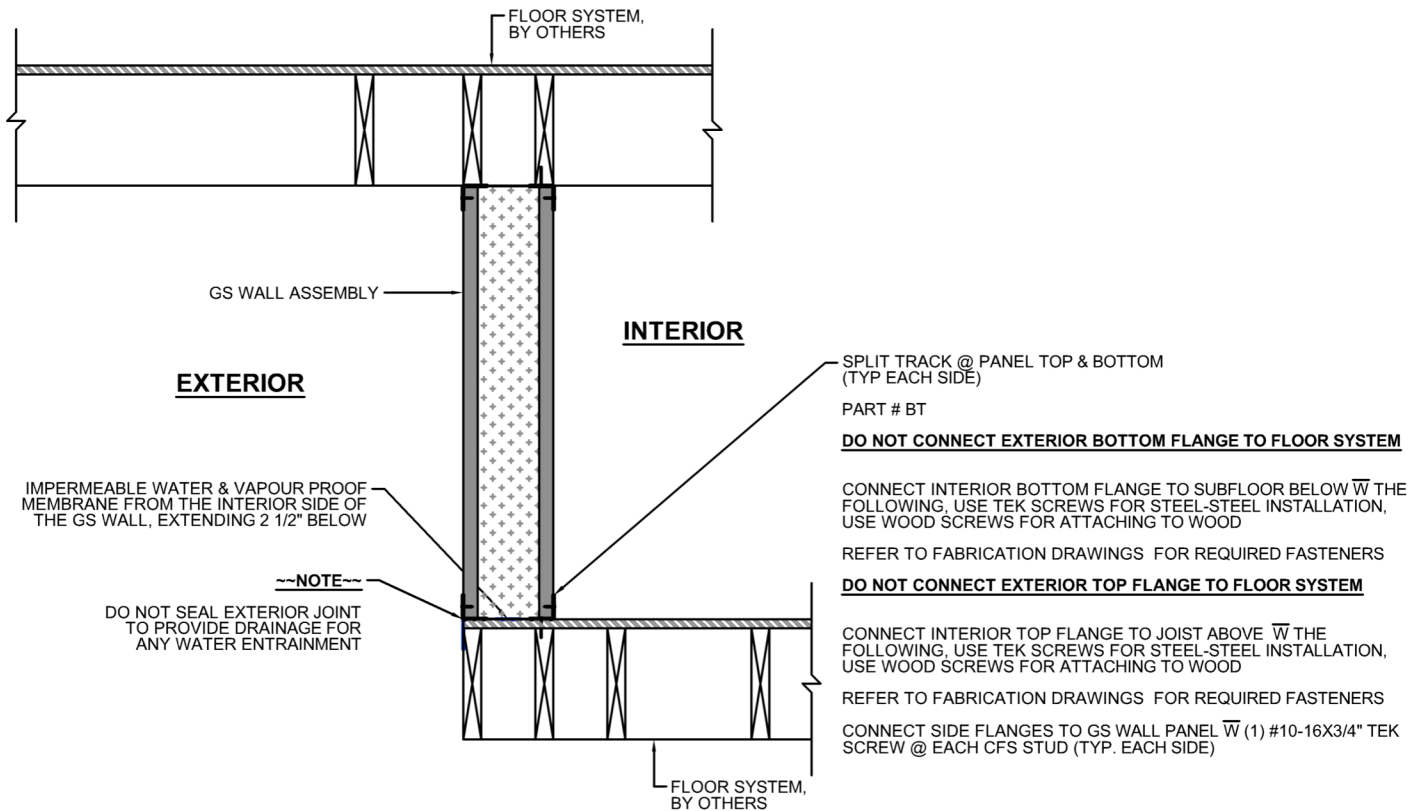
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STAIRWELL WALL BREAK (HIGH) [SECTION]

N.T.S.

433



REMOVABLE GS WALL INSTALLATION

[SECTION]

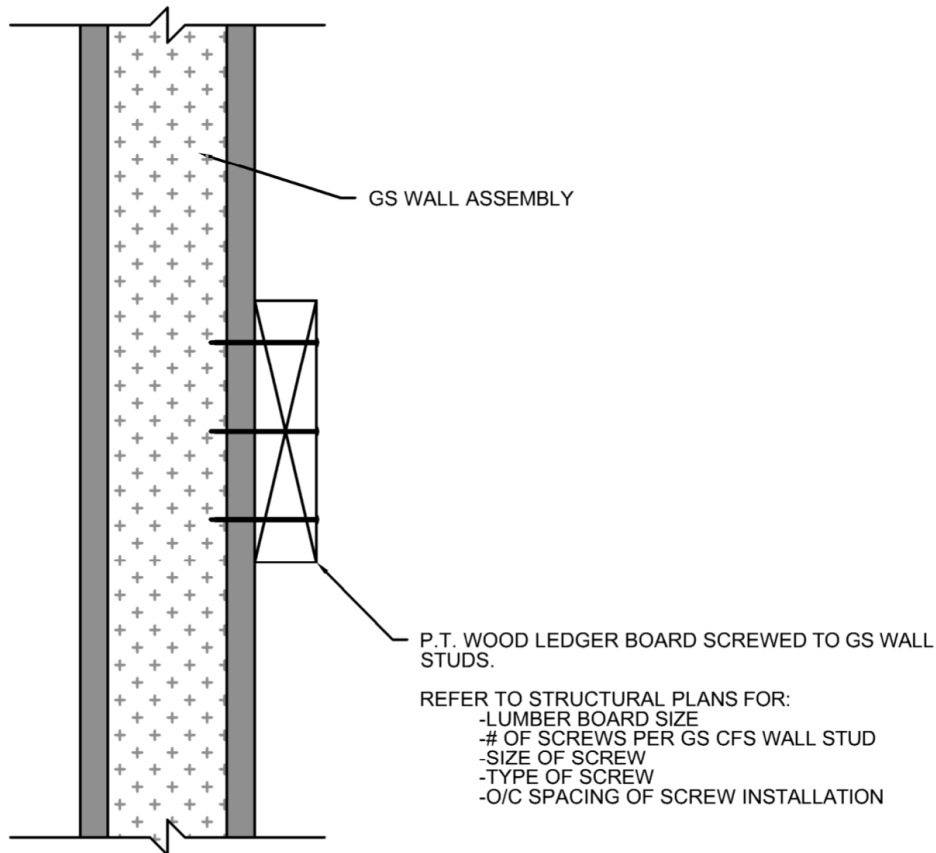
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435

STANDARD CONNECTION DETAILS

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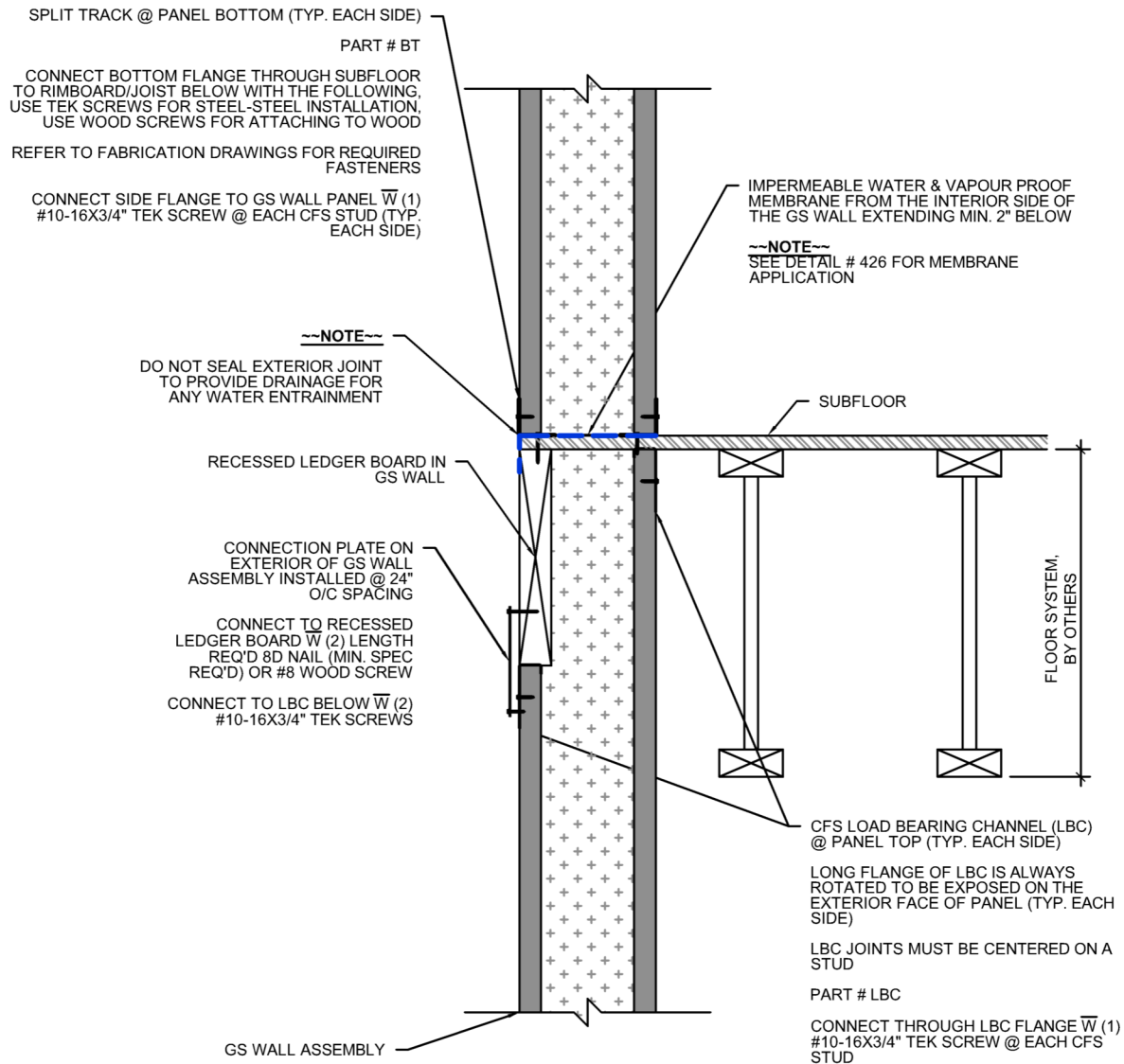
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LEDGER BOARD INSTALLATION (SECTION)

N.T.S.

460



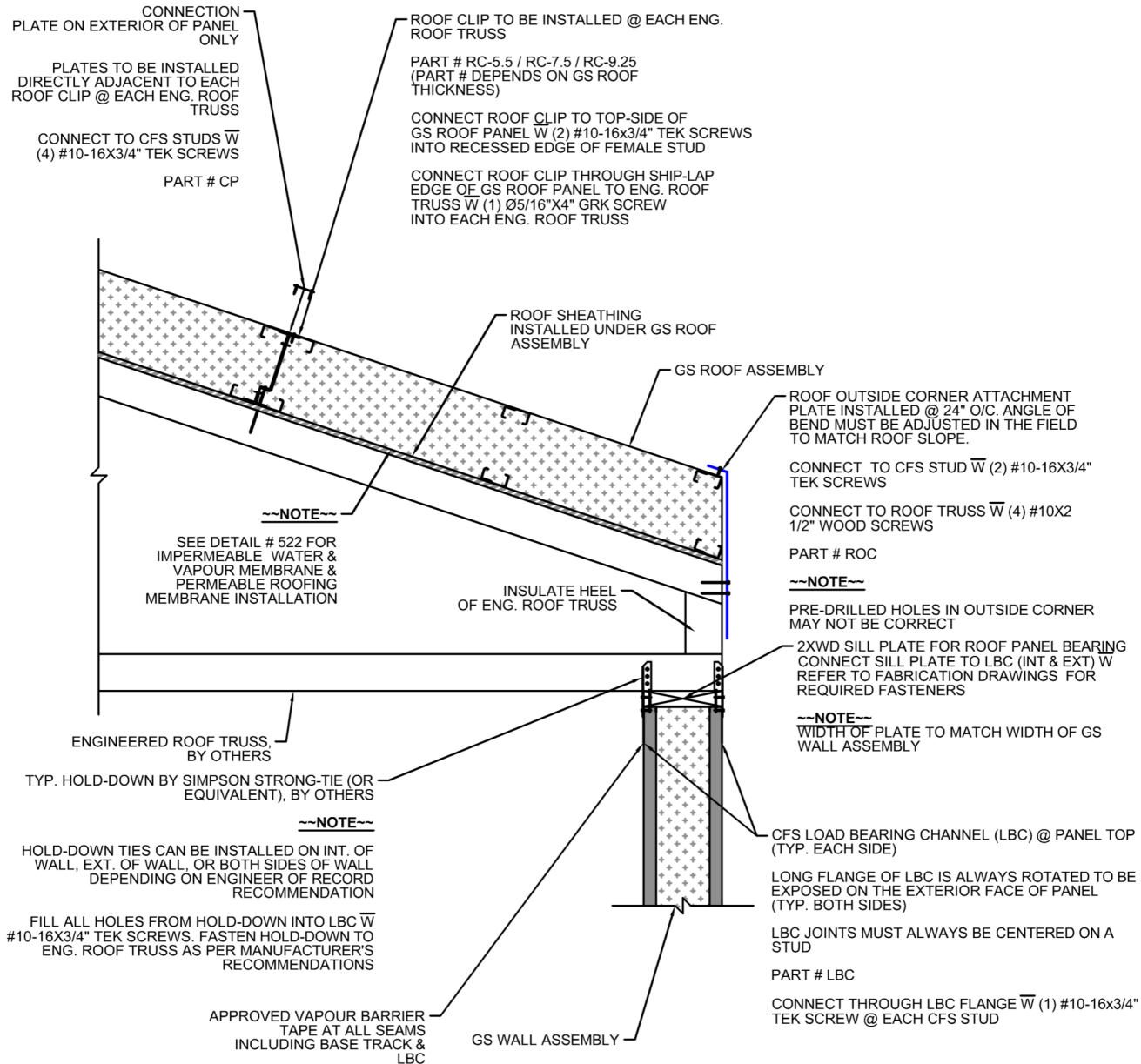
**RECESSED LEDGER IN GS WALL
SYSTEM (SECTION)**

N.T.S. **462**

STANDARD CONNECTION DETAILS

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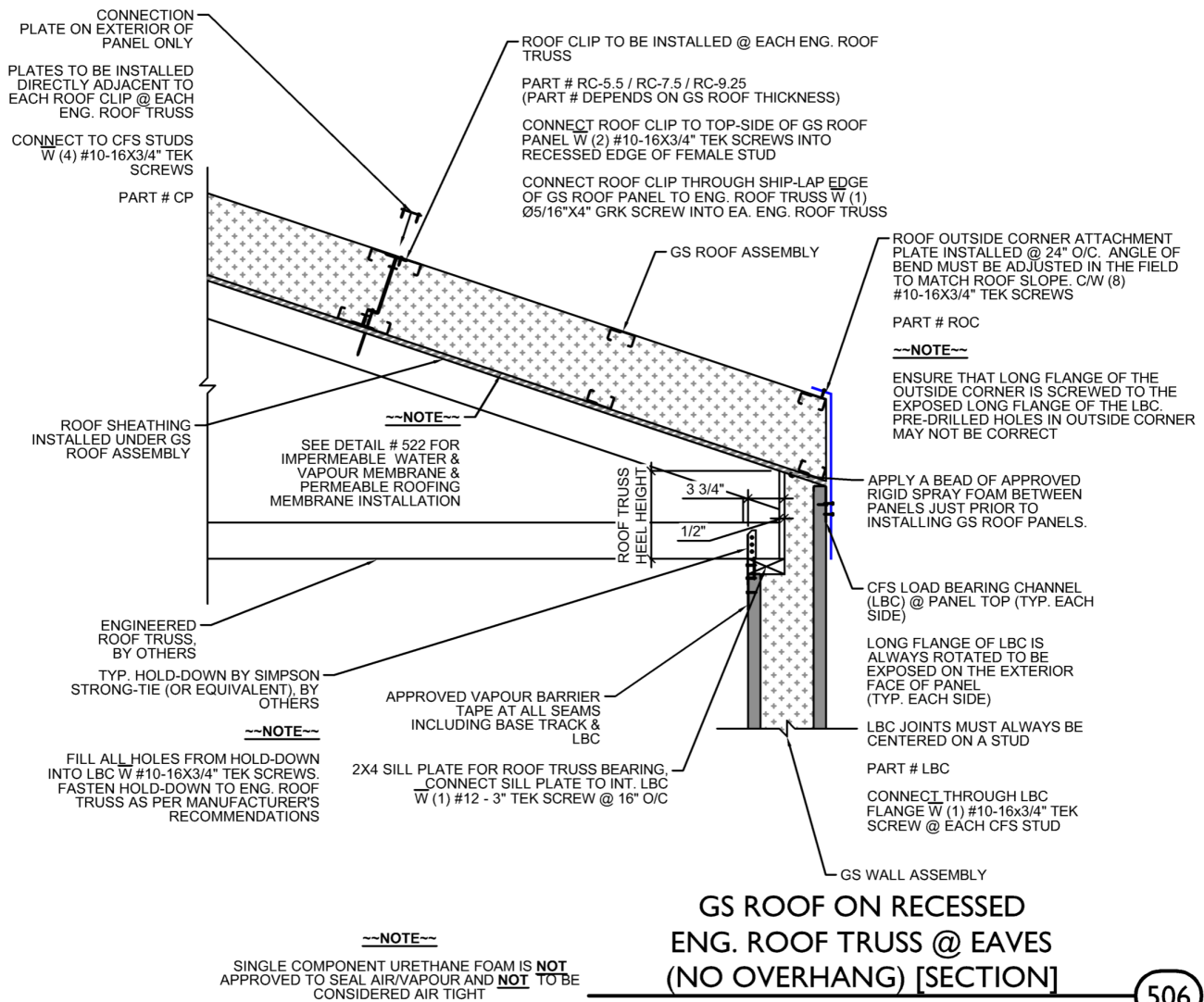
GS ROOF ON ENG. ROOF TRUSS @ EAVES (NO OVERHANG) [SECTION]

N.T.S.

503

~NOTE~

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

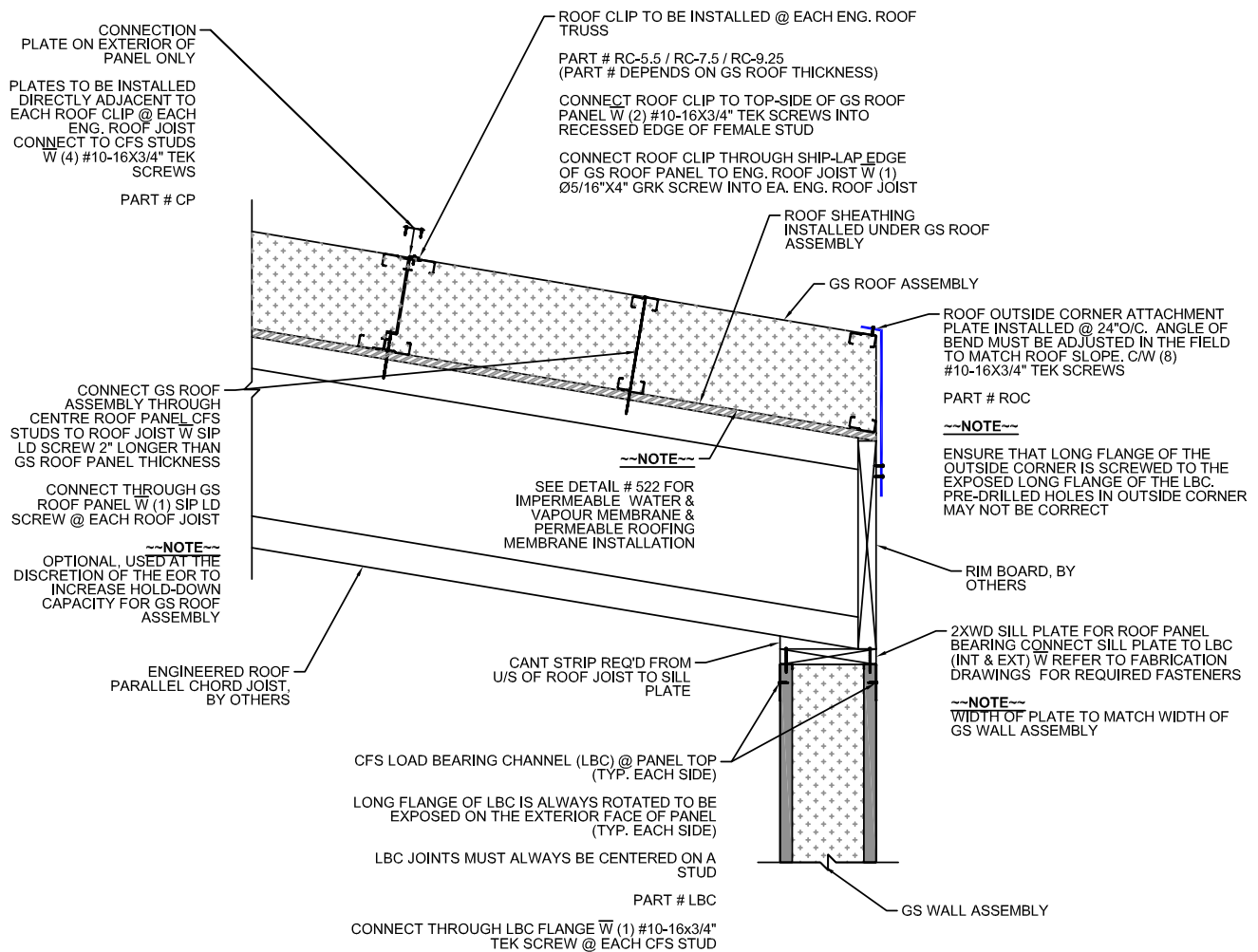


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STANDARD CONNECTION DETAILS

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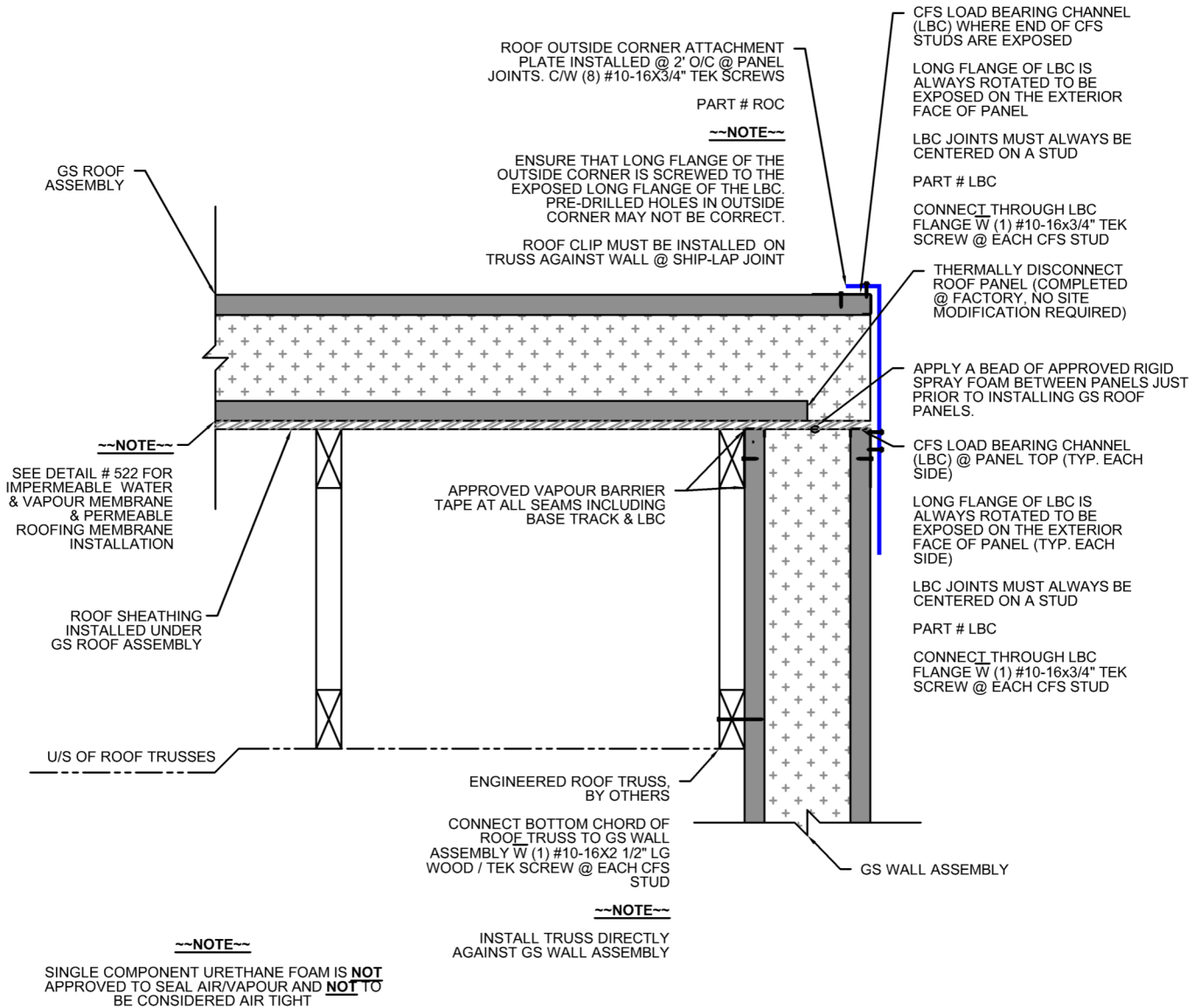


---NOTE---
SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

GS ROOF ON ENG. PARALLEL CHORD ROOF JOIST @ EAVES (NO OVERHANG) [SECTION]

N.T.S.

509



**GS ROOF ON ENG. ROOF TRUSS @
GABLE WALL (NO OVERHANG) [SECTION]**

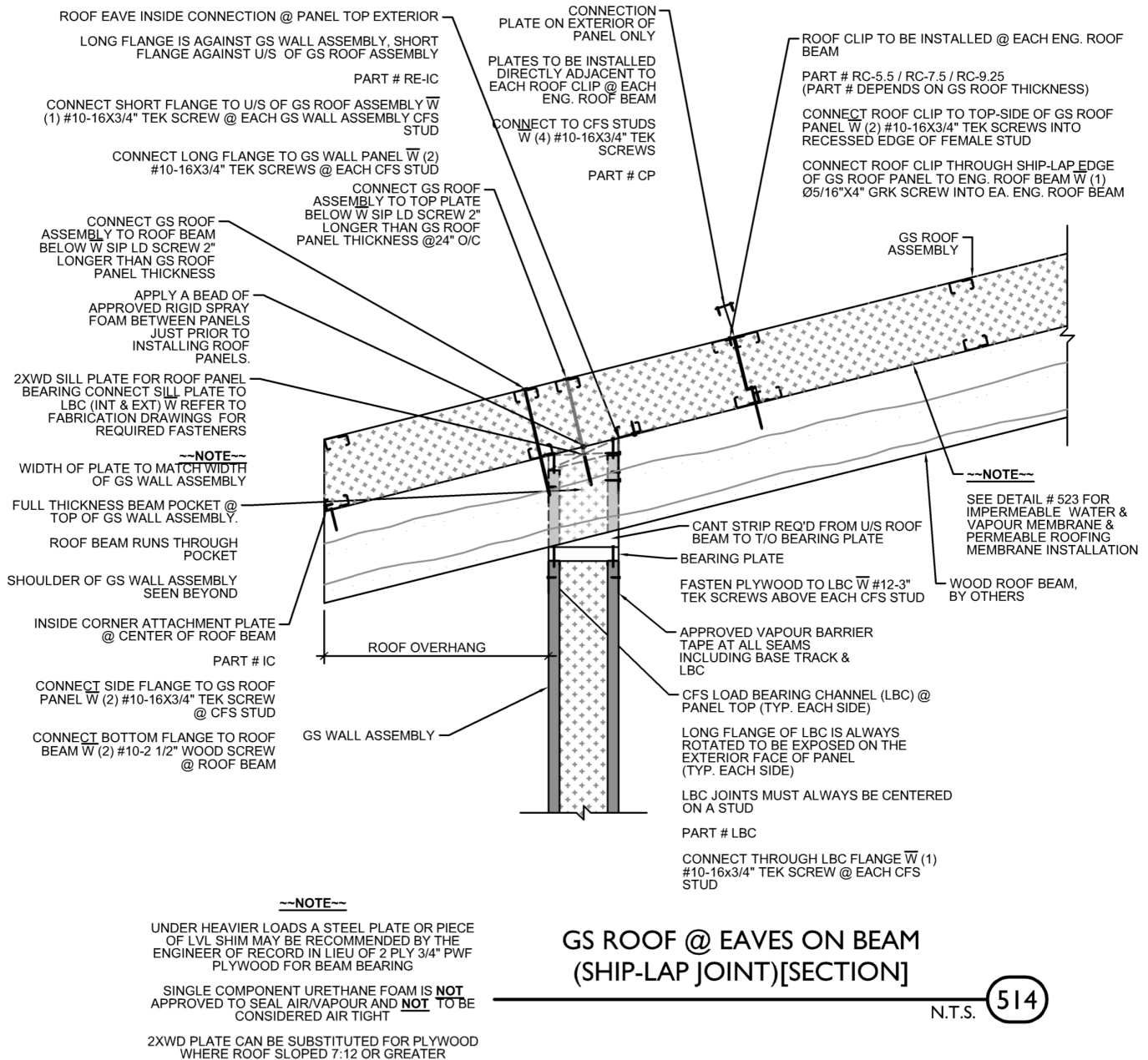
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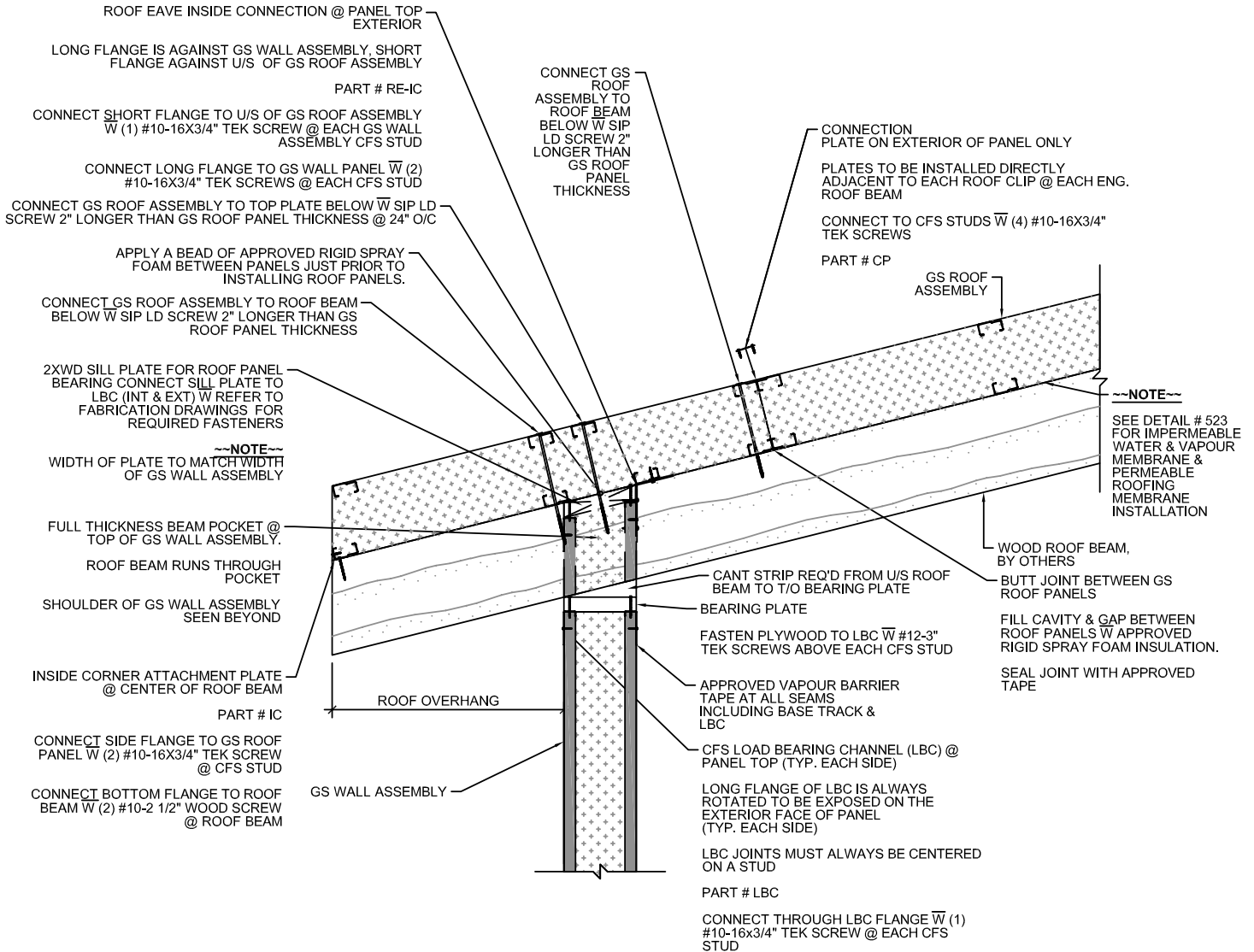
513

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~~NOTE~~

UNDER HEAVIER LOADS A STEEL PLATE OR PIECE OF LVL SHIM MAY BE RECOMMENDED BY THE ENGINEER OF RECORD IN LIEU OF 2 PLY 3/4" PW/F PLYWOOD FOR BEAM BEARING

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

2XWD PLATE CAN BE SUBSTITUTED FOR PLYWOOD WHERE ROOF SLOPED 7:12 OR GREATER

GS ROOF @ EAVES ON BEAM (BUTT JOINT) [SECTION]

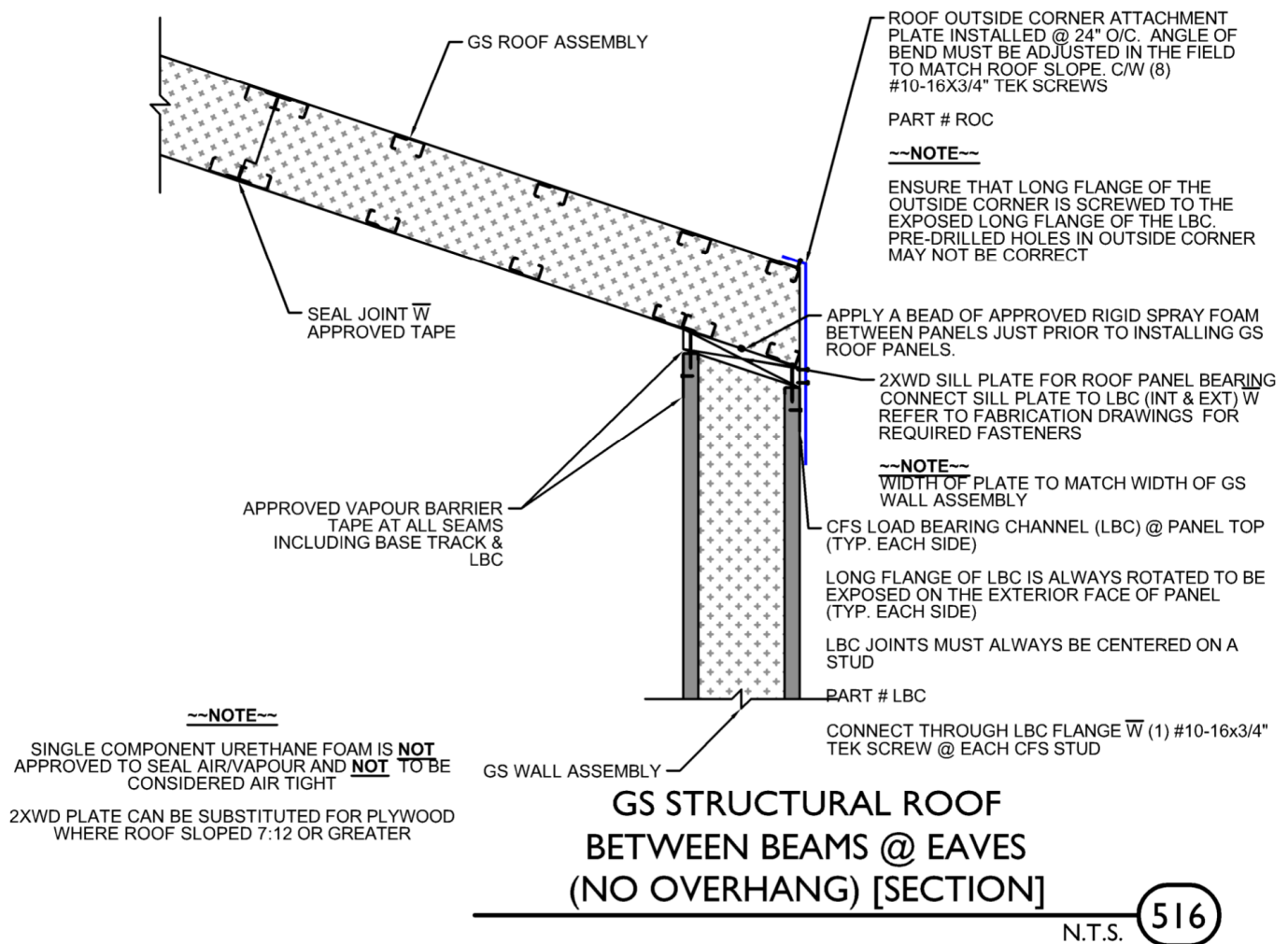
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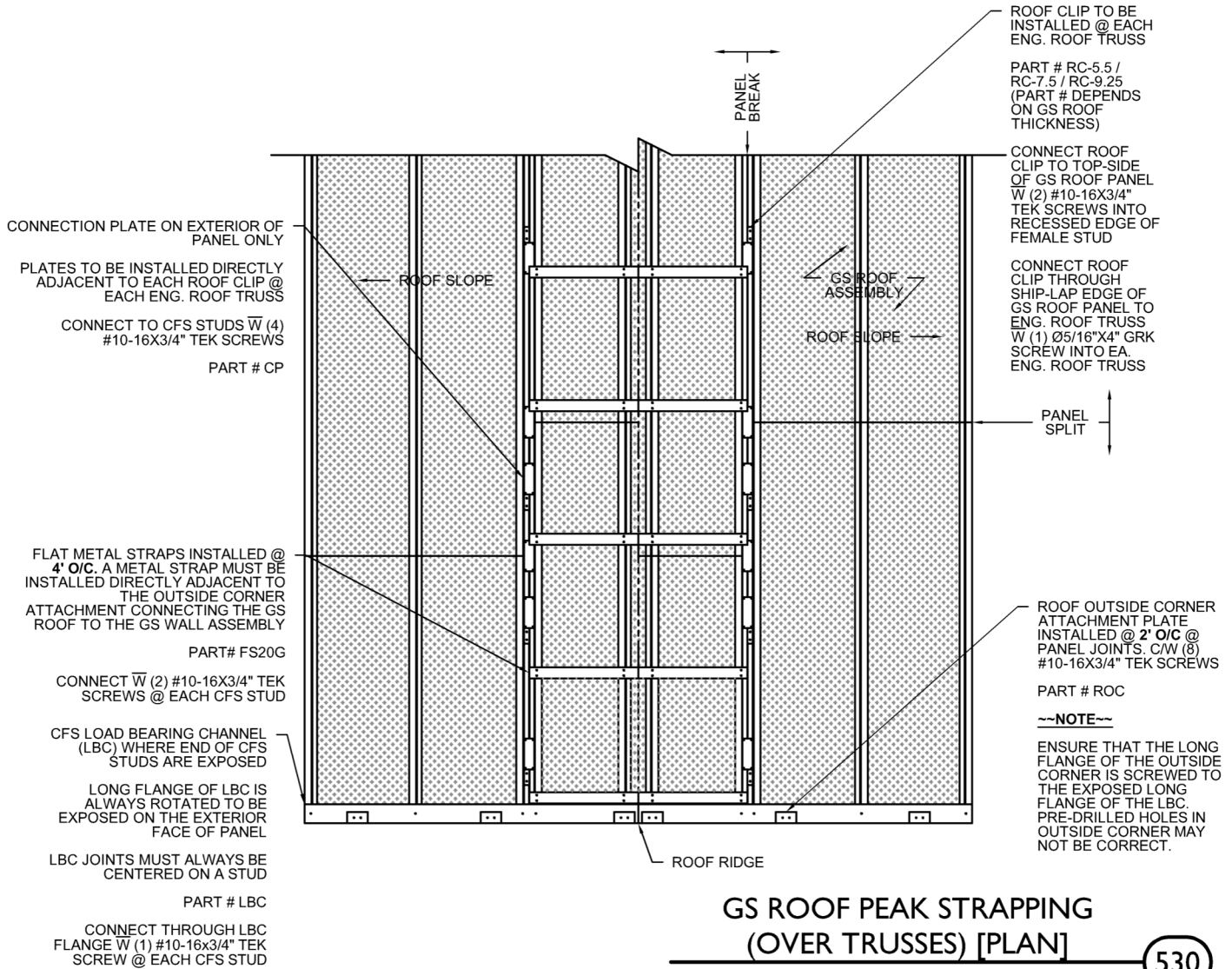
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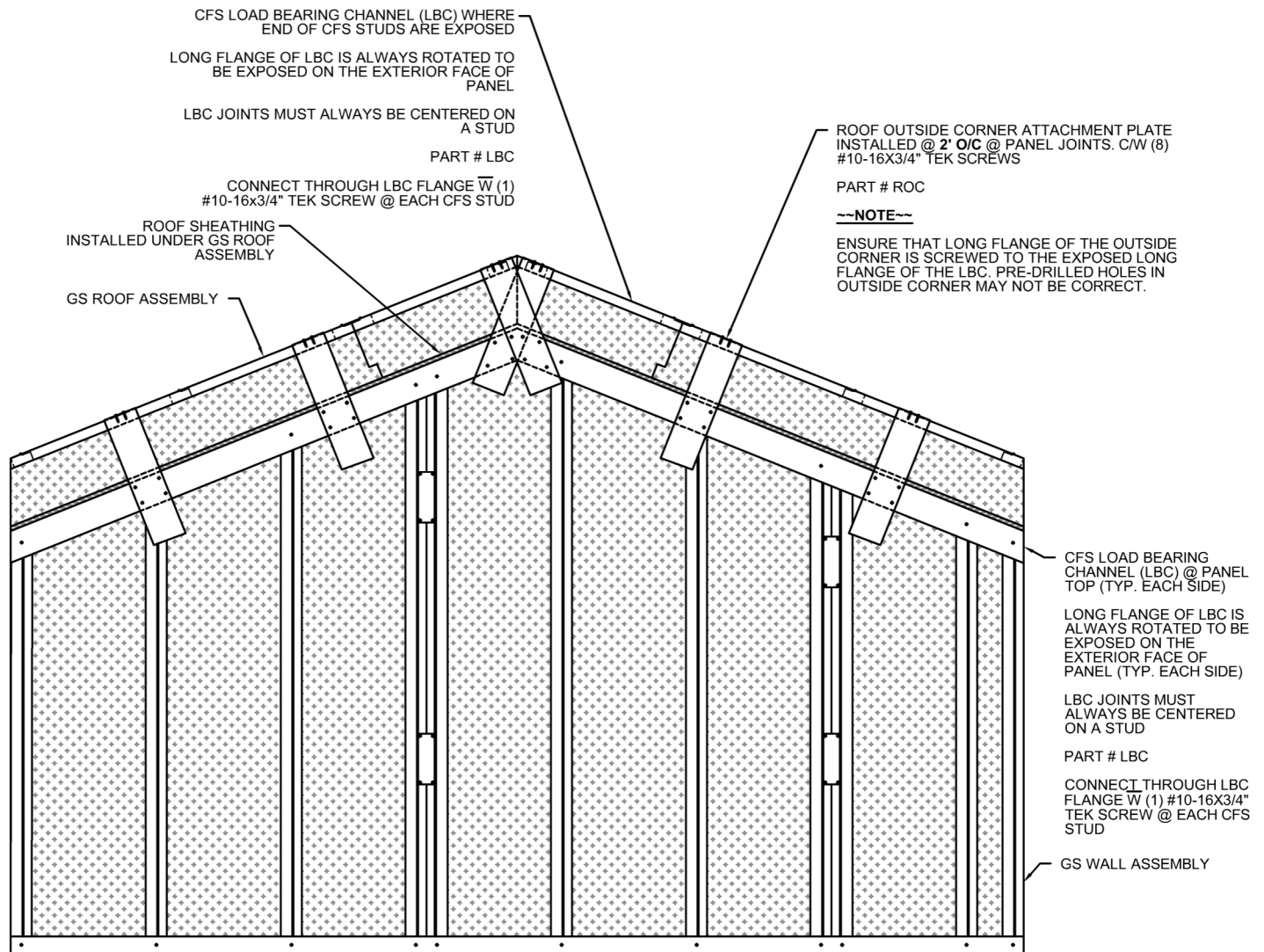




STANDARD CONNECTION DETAILS

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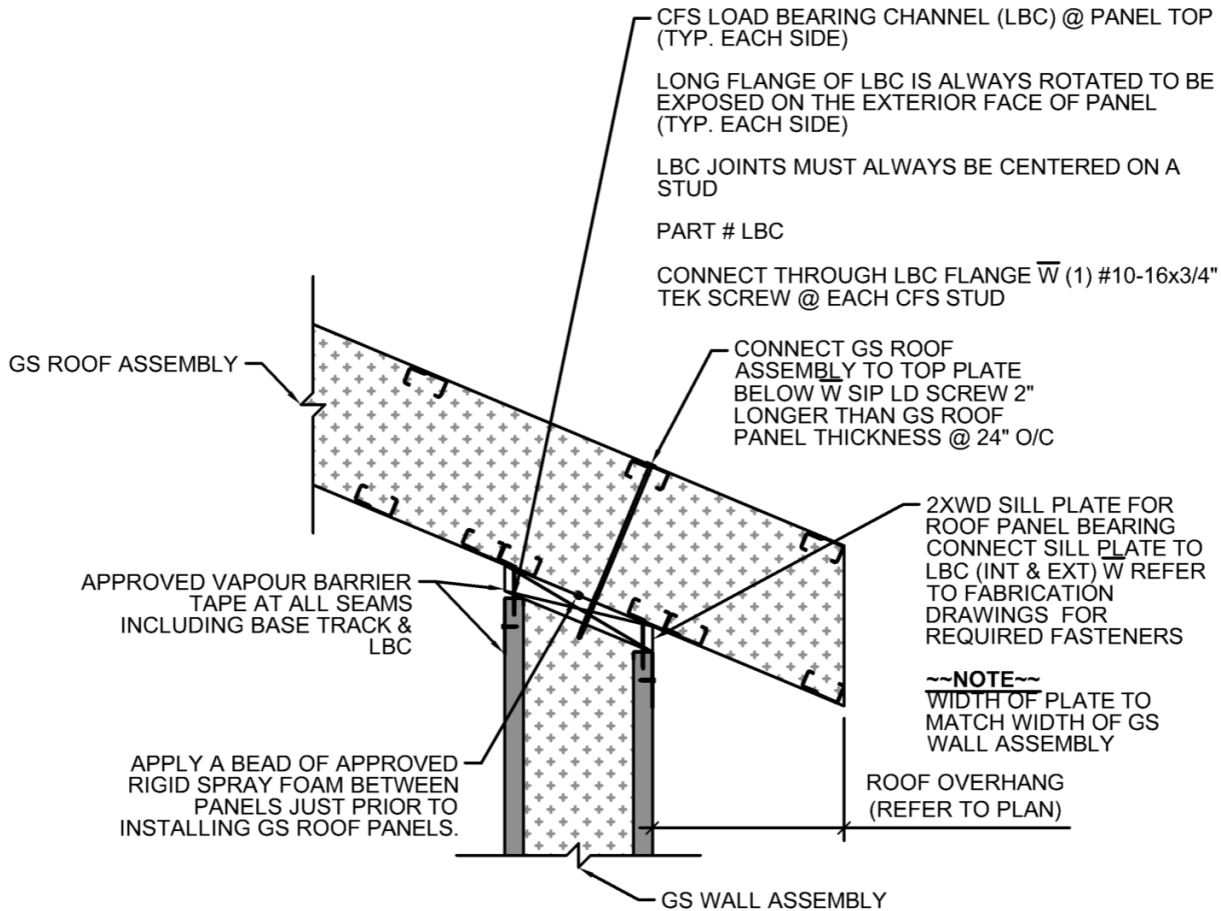
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GS ROOF ON ENG. ROOF TRUSS @ GABLE WALL (NO OVERHANG) [ELEVATION]

N.T.S.

531



GS ROOF @ LOW EAVES (GS O/H) [SECTION]

N.T.S.

538A

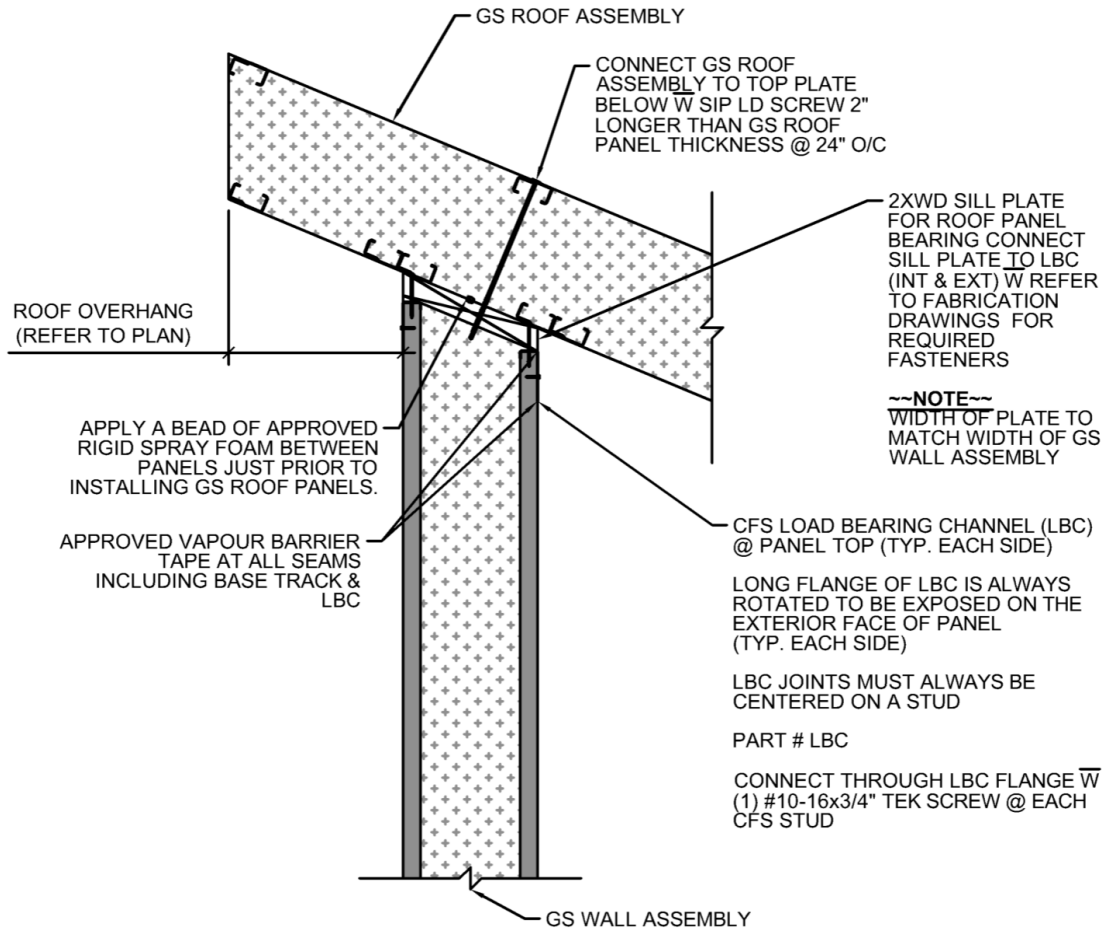
~~NOTE~~

SINGLE COMPONENT URETHANE FOAM IS **NOT**
APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE
CONSIDERED AIR TIGHT

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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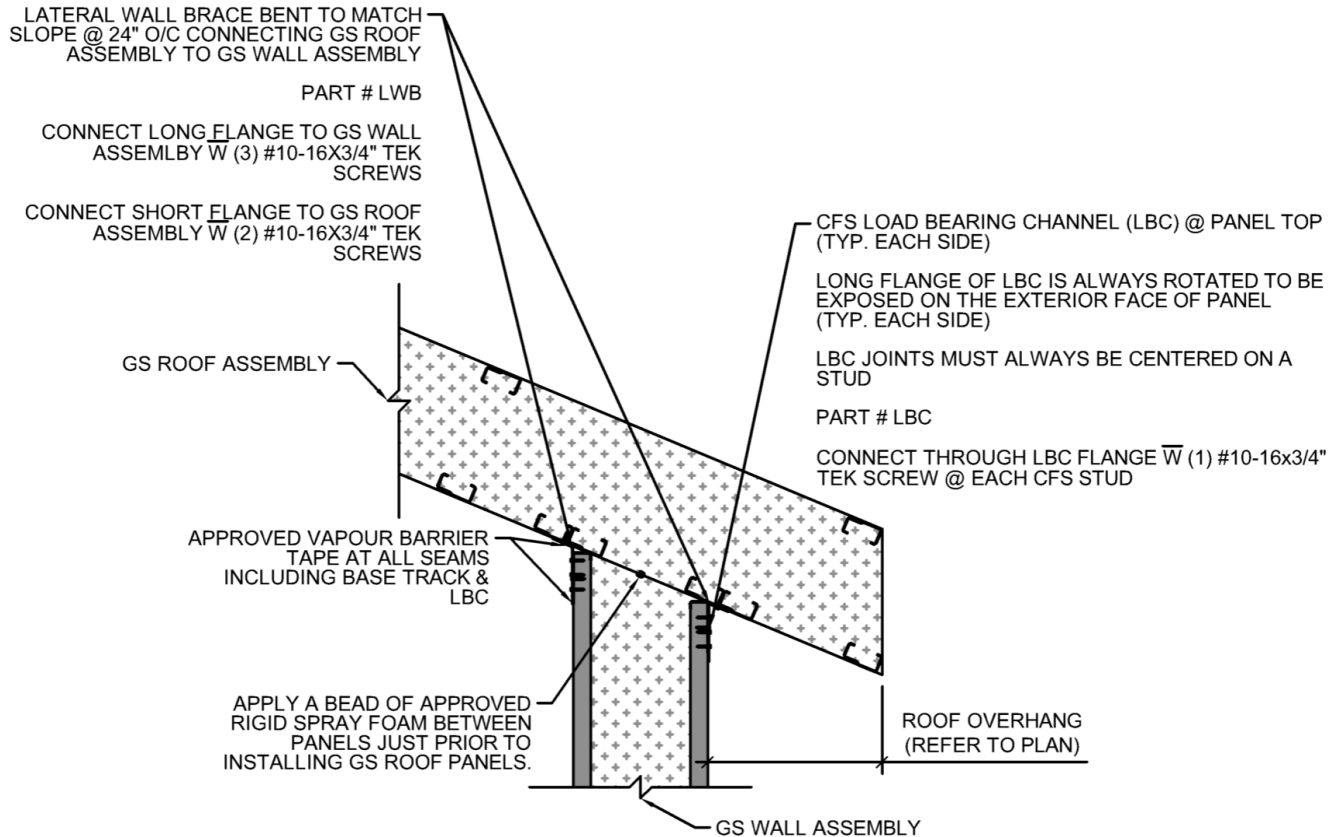
GS ROOF @ HIGH EAVES (GS O/H) [SECTION]

N.T.S.

538B

~NOTE~

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT



"NET-ZERO" GS ROOF @ LOW EAVES (GS O/H) [SECTION]

N.T.S.

538C

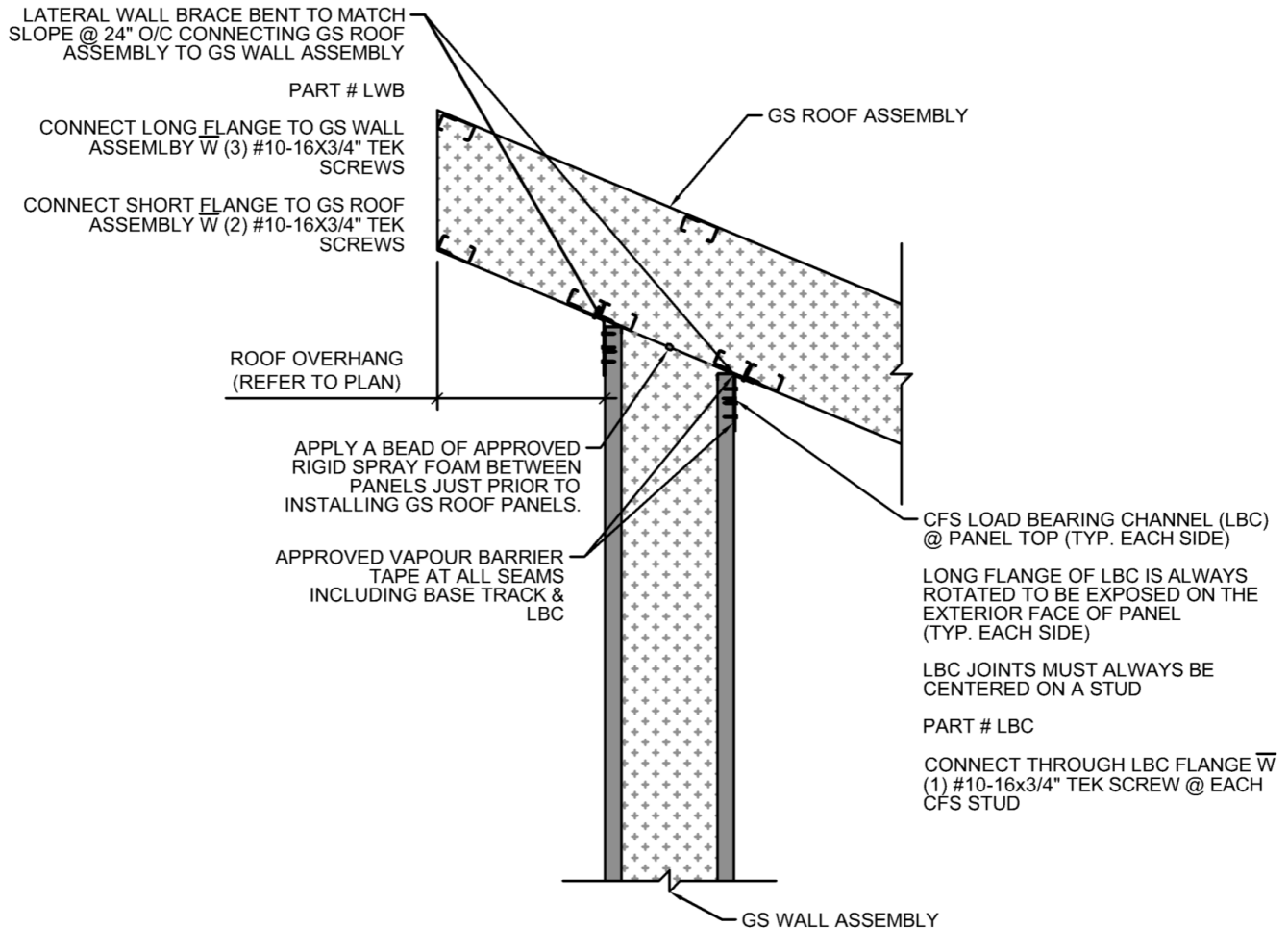
~NOTE~

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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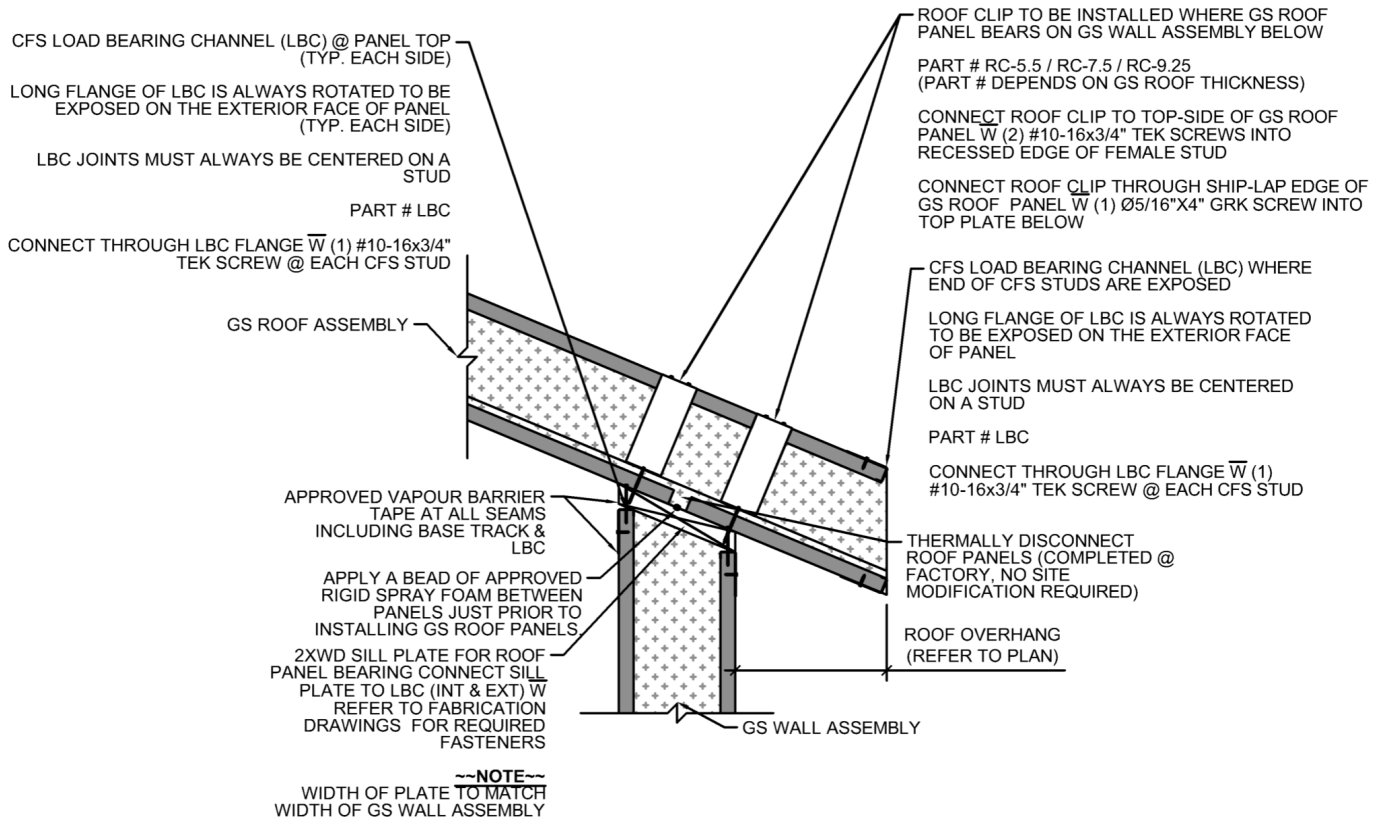
"NET-ZERO" GS ROOF @ HIGH EAVES (GS O/H) [SECTION]

N.T.S.

538D

~~NOTE~~

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT



GS ROOF SHIP-LAP @ LOW EAVES (GS O/H) [SECTION]

~~NOTE~~

N.T.S.

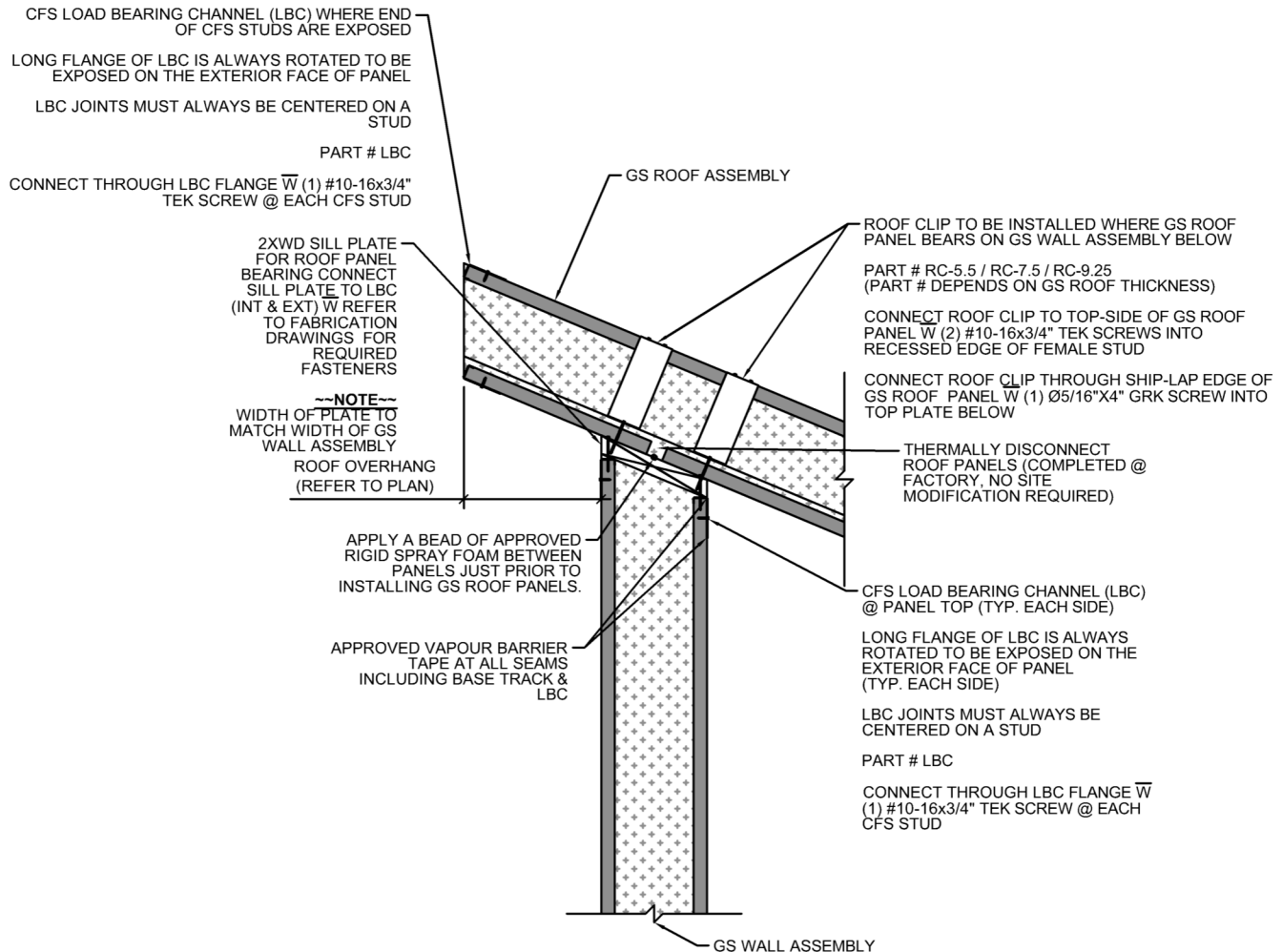
539A

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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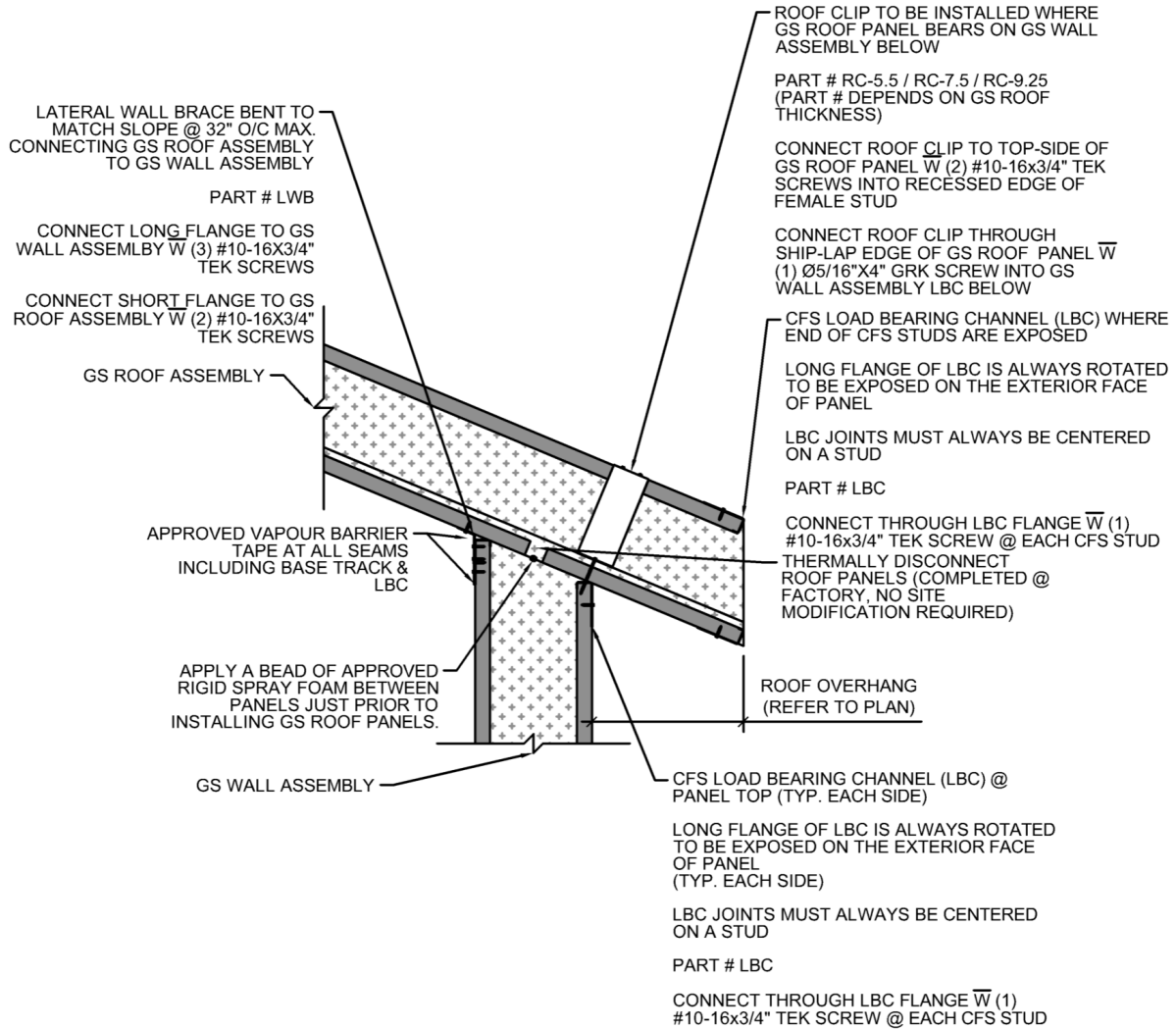
GS ROOF SHIP-LAP @ HIGH EAVES (GS O/H) [SECTION]

N.T.S.

539B

~~NOTE~~

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT



"NET-ZERO" GS ROOF SHIP-LAP @ LOW EAVES (GS O/H) [SECTION]

N.T.S.

539C

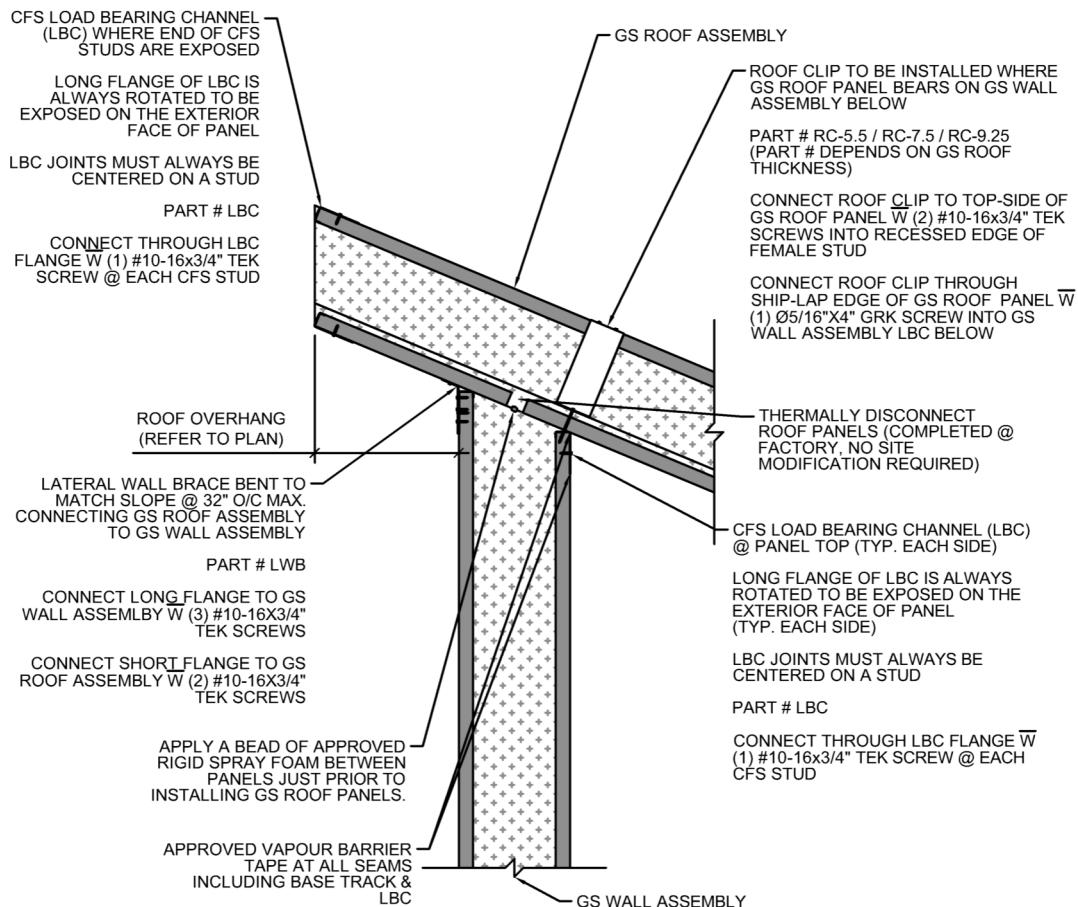
~~NOTE~~

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

STANDARD CONNECTION DETAILS

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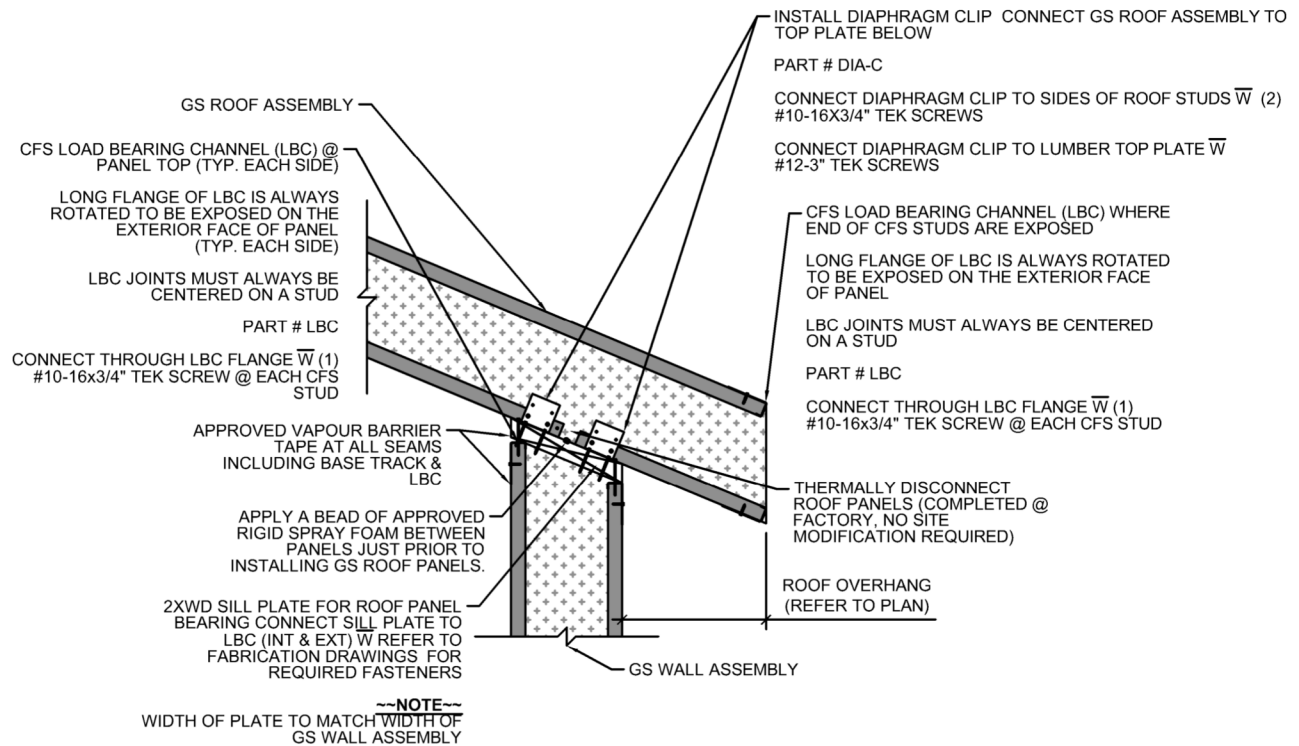
"NET-ZERO" GS ROOF SHIP-LAP @ HIGH EAVES (GS O/H) [SECTION]

N.T.S.

539D

~NOTE~

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT



GS ROOF BUTT JOINT @ LOW EAVES (GS O/H) [SECTION]

N.T.S. (540A)

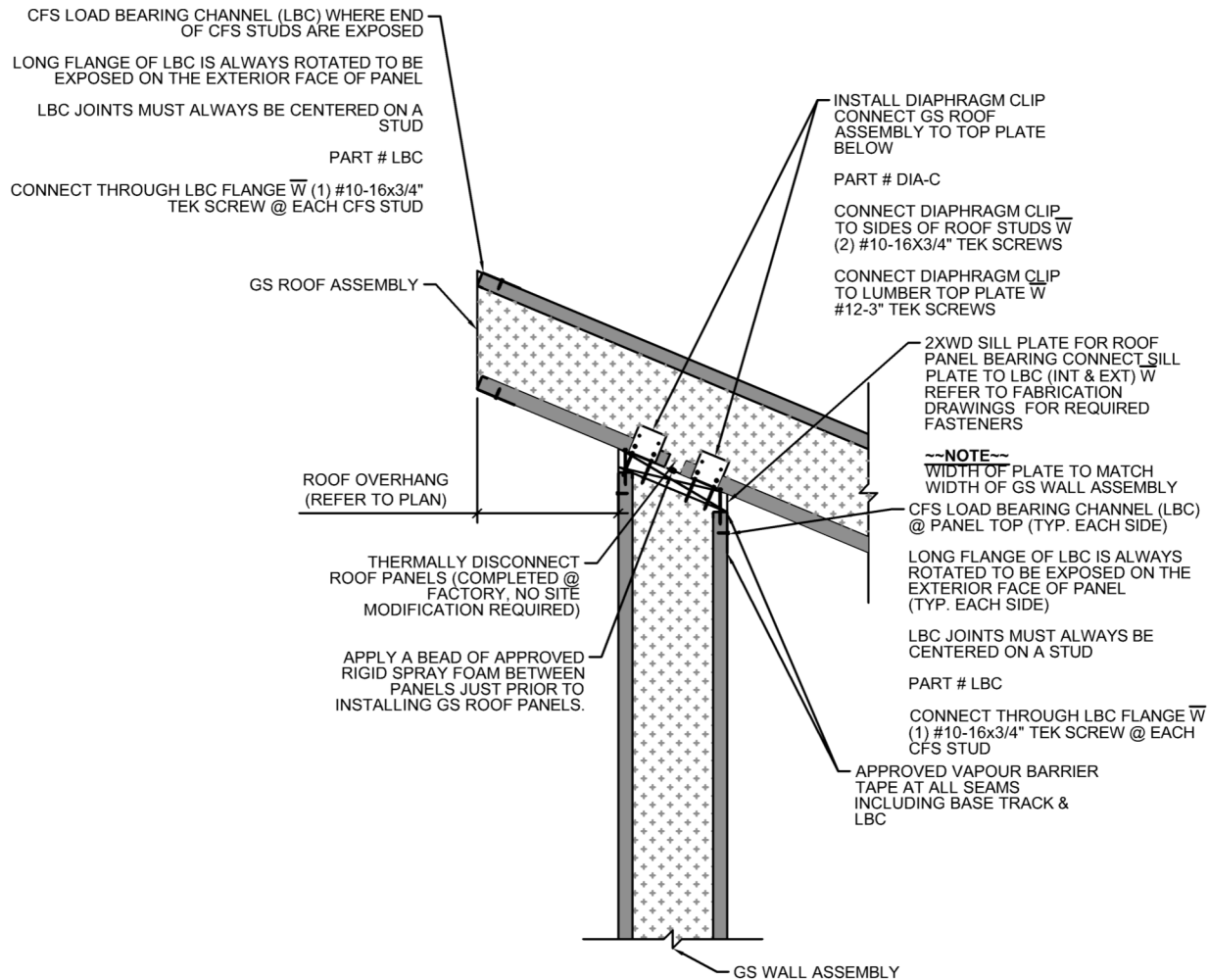
~~NOTE~~

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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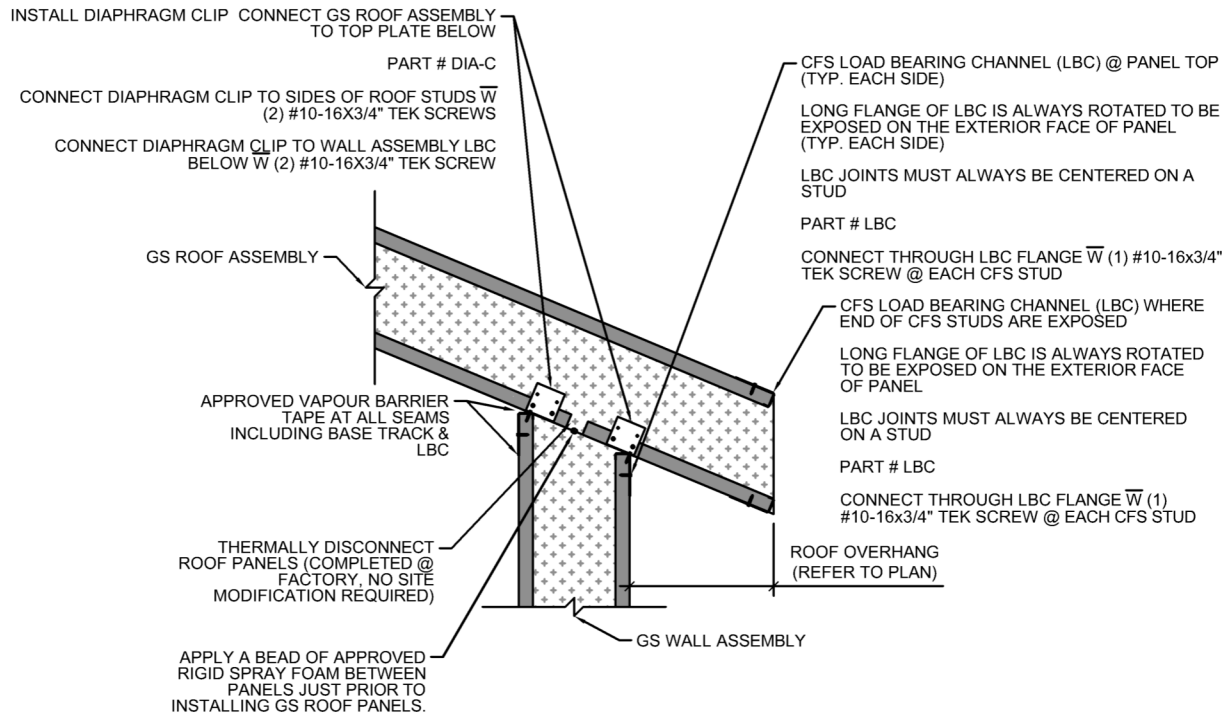
GS ROOF BUTT JOINT @ HIGH EAVES (GS O/H) [SECTION]

N.T.S.

540B

~~NOTE~~

SINGLE COMPONENT URETHANE FOAM IS **NOT**
APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE
CONSIDERED AIR TIGHT



"NET-ZERO" GS ROOF BUTT JOINT @ LOW EAVES (GS O/H) [SECTION]

N.T.S. **540C**

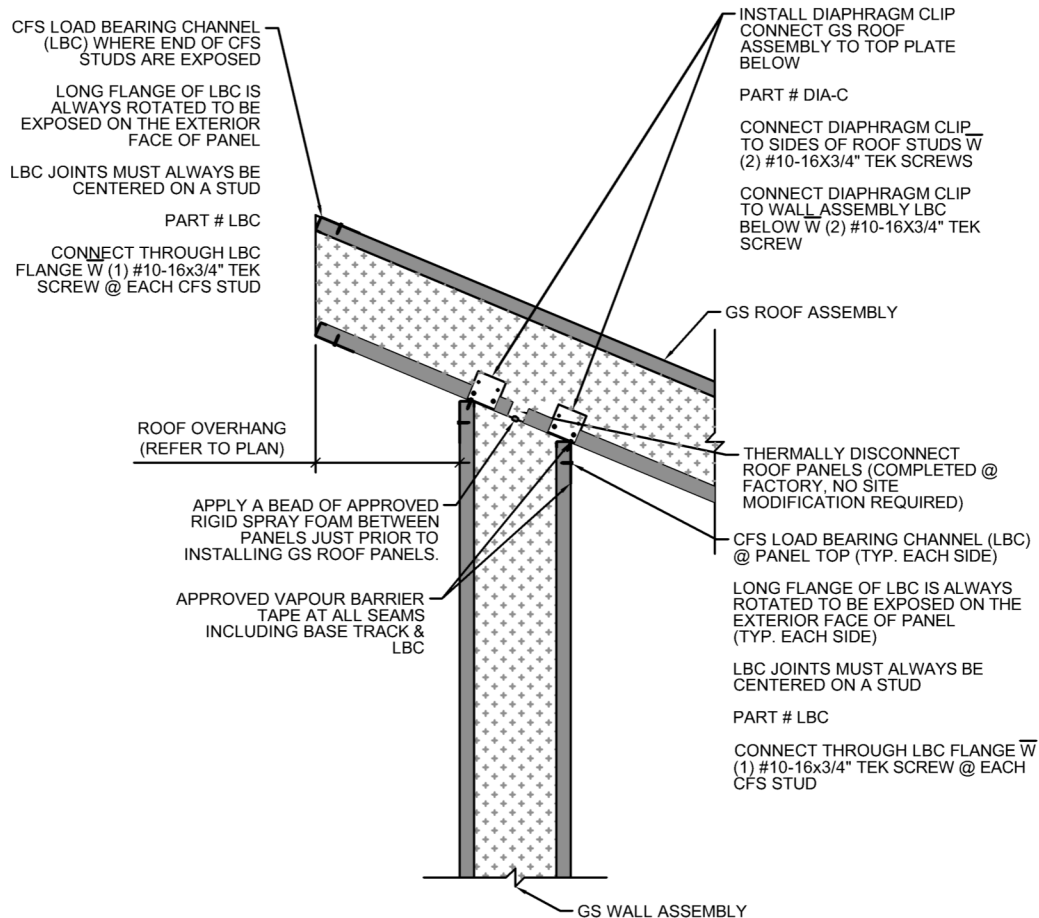
~~NOTE~~

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

STANDARD CONNECTION DETAILS

2025.03.04 | LATEST REVISION

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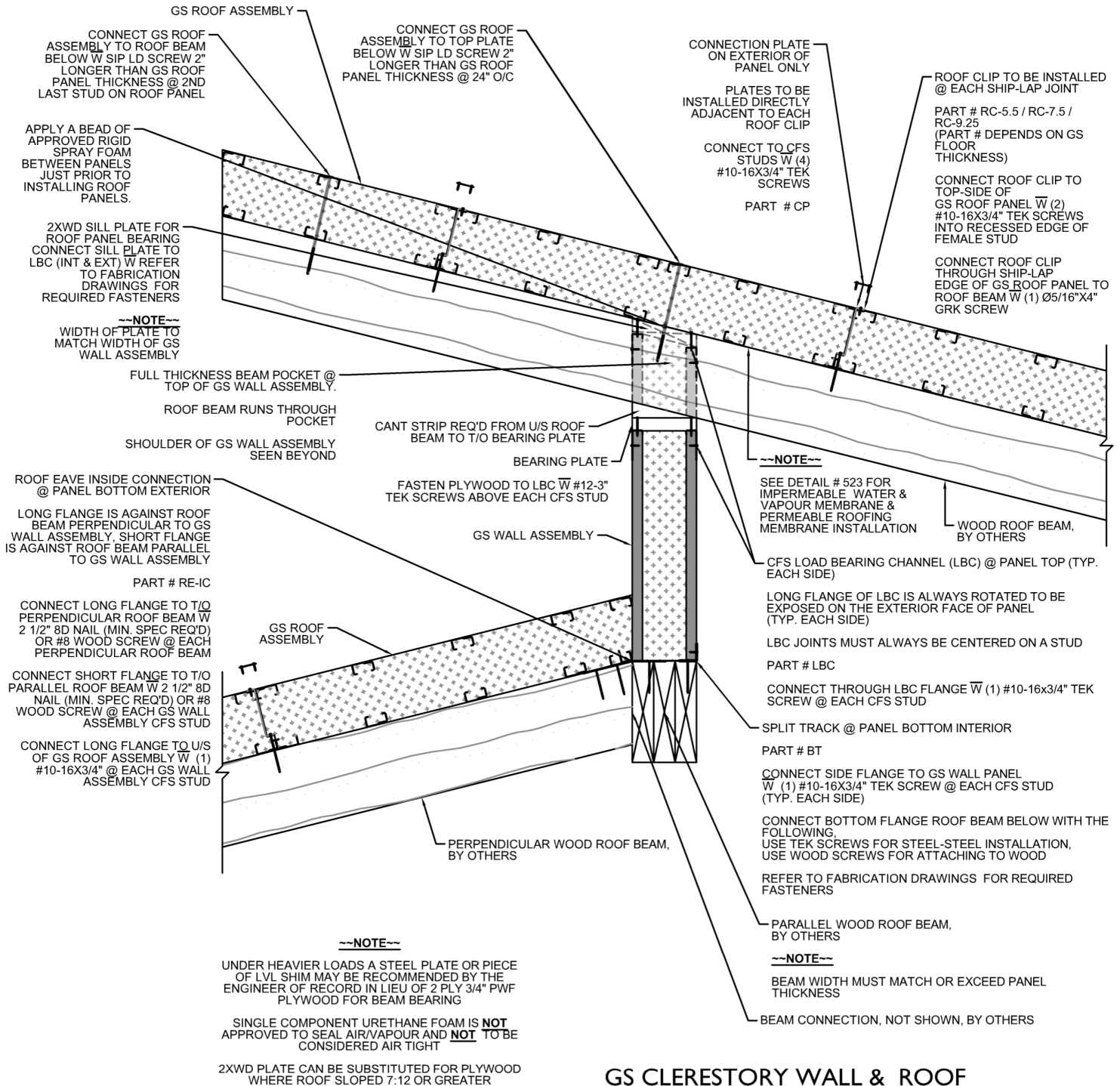
"NET-ZERO" GS ROOF BUTT JOINT @ HIGH EAVES (GS O/H) [SECTION]

~~NOTE~~

N.T.S.

540D

SINGLE COMPONENT URETHANE FOAM IS **NOT**
APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE
CONSIDERED AIR TIGHT



GS CLERESTORY WALL & ROOF ASSEMBLY (SECTION)

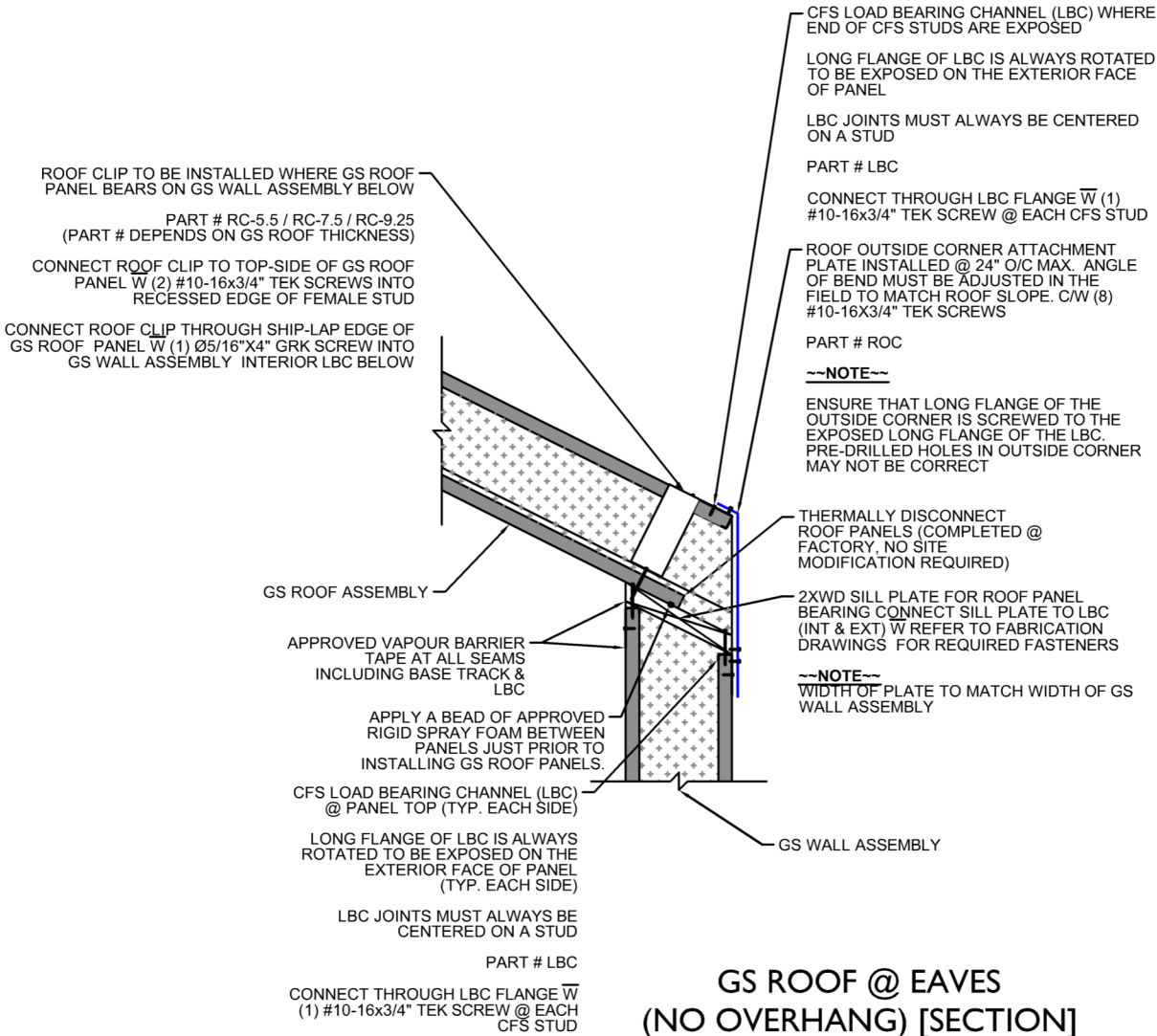
N.T.S.

541

STANDARD CONNECTION DETAILS

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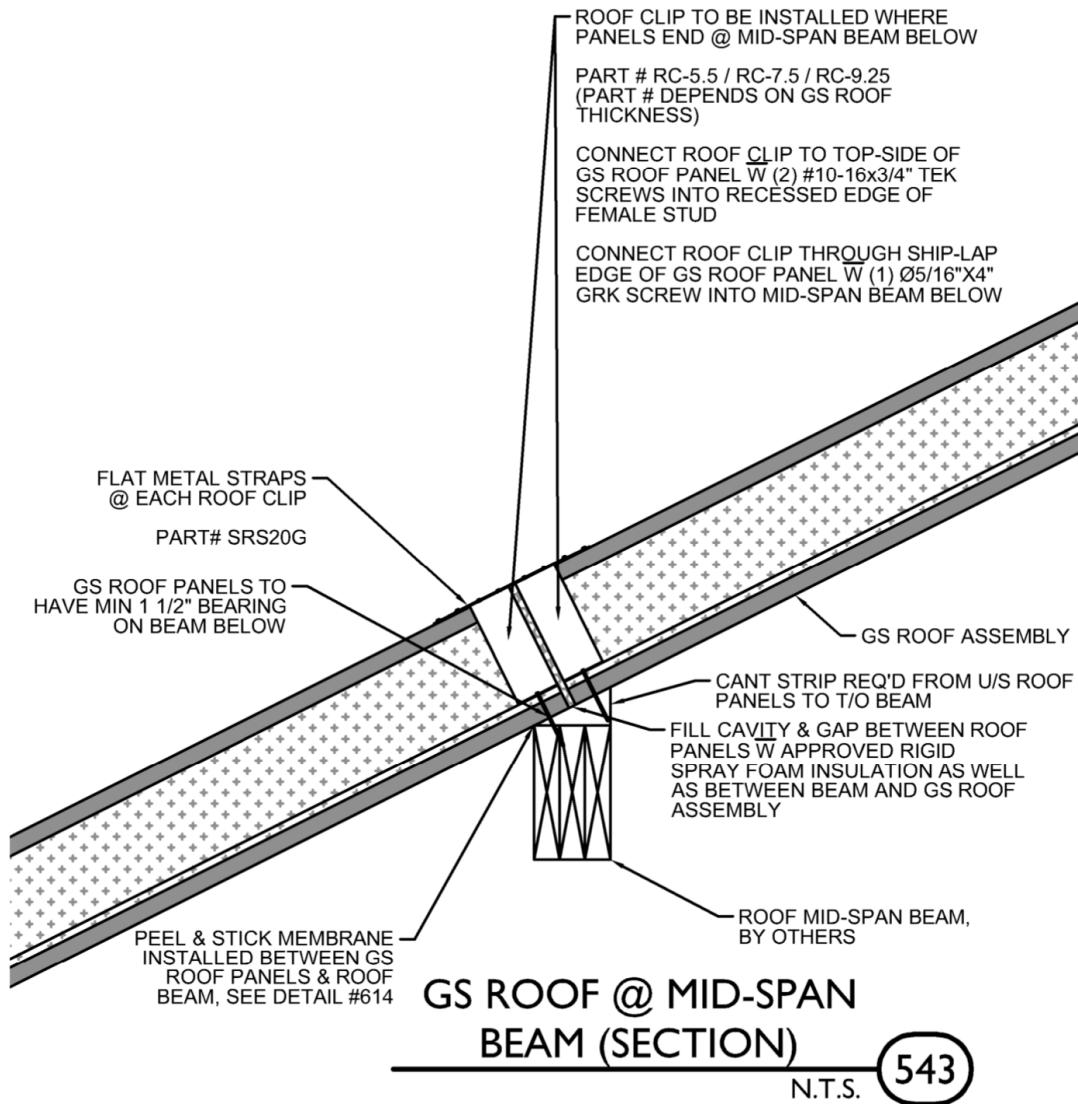


N.T.S. 542

~~NOTE~~

SINGLE COMPONENT URETHANE FOAM IS **NOT** APPROVED TO SEAL AIR/VAPOUR AND **NOT** TO BE CONSIDERED AIR TIGHT

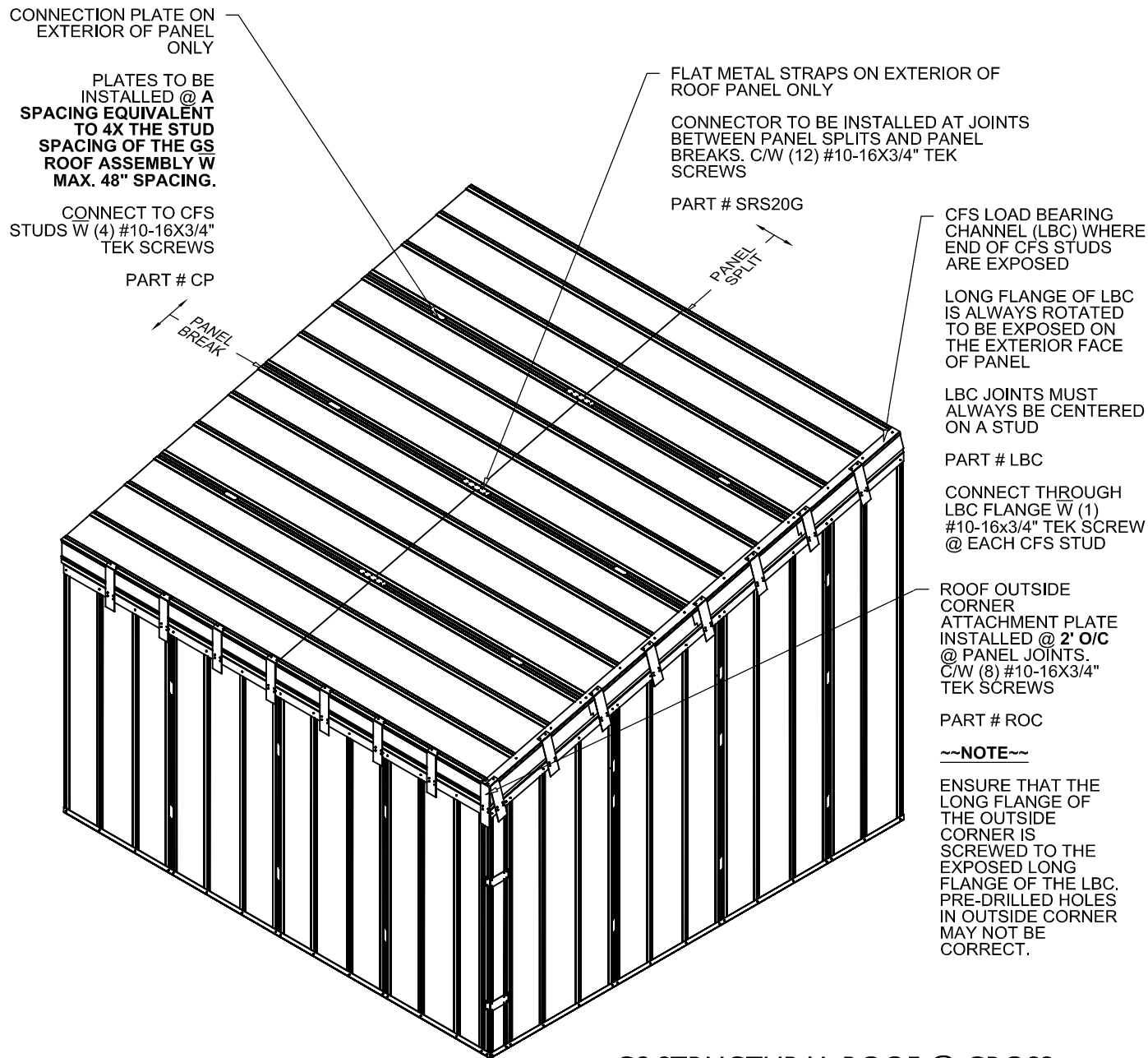
2XWD PLATE CAN BE SUBSTITUTED FOR PLYWOOD WHERE ROOF SLOPED 7:12 OR GREATER



STANDARD CONNECTION DETAILS

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GS STRUCTURAL ROOF @ CROSS SLOPE (PERSPECTIVE)

N.T.S.

551

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BUILDING PRODUCTS



ICE
PANEL

ACCESSORY CATALOGUE

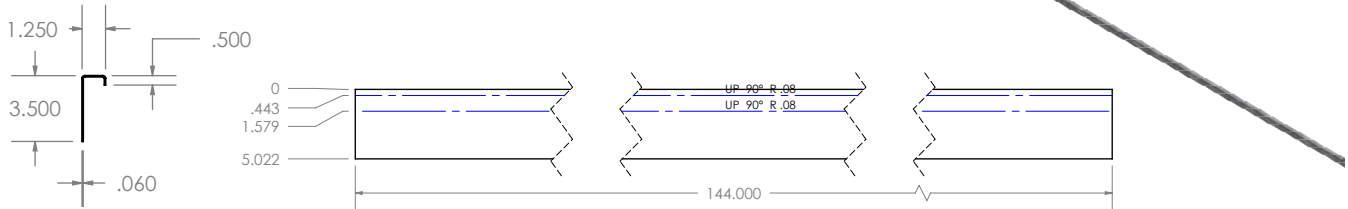
UPDATED AS OF 2025.08.12

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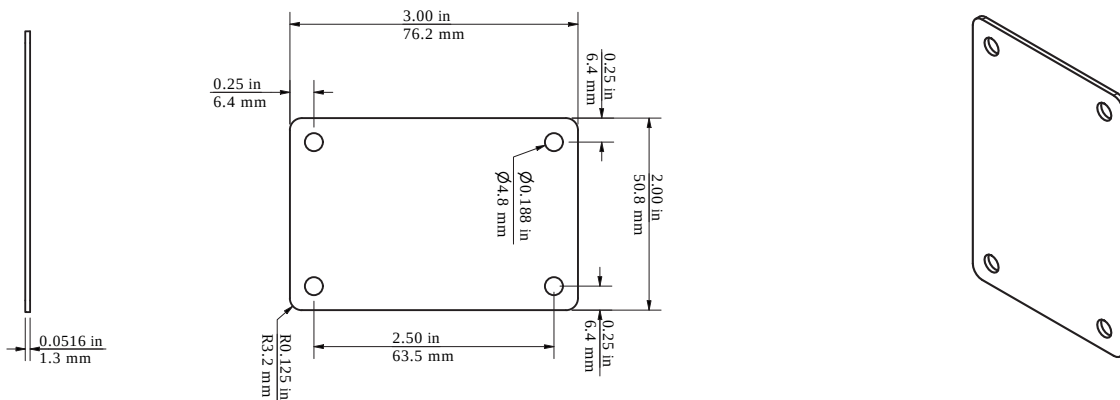
LOAD BEARING CHANNEL

PART NO. LBC-16
GALVANIZED STEEL - 18GA



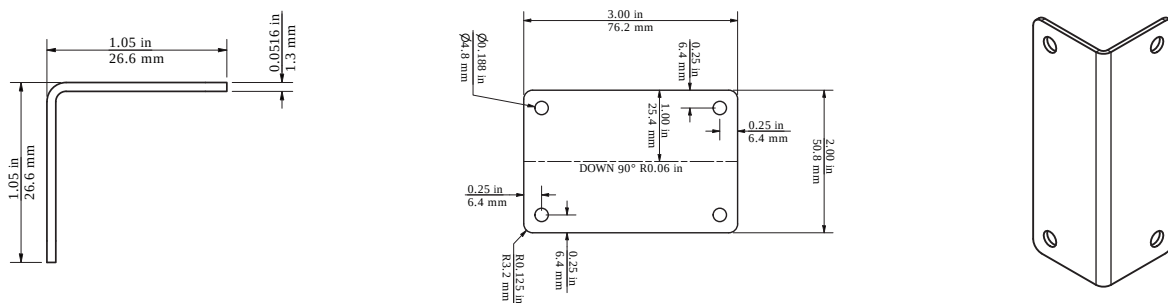
CONNECTION PLATE

PART NO. CP
GALVANIZED STEEL - 18GA



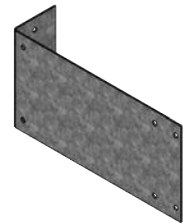
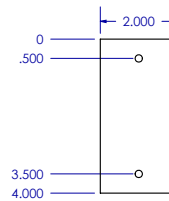
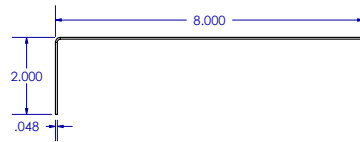
INSIDE CORNER

PART NO. IC2
GALVANIZED STEEL - 18GA



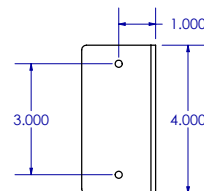
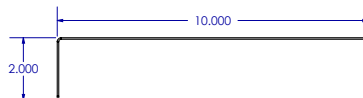
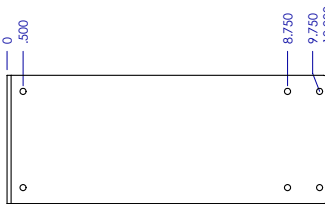
OUTSIDE CORNER 5.5

PART NO. OC-5.5
GALVANIZED STEEL - 18GA



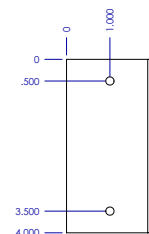
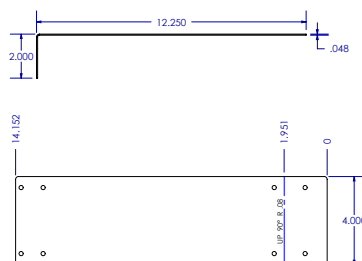
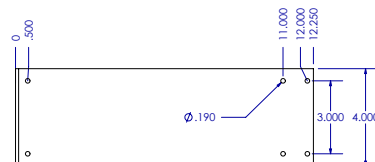
OUTSIDE CORNER 7.5

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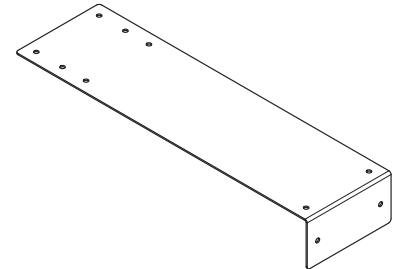
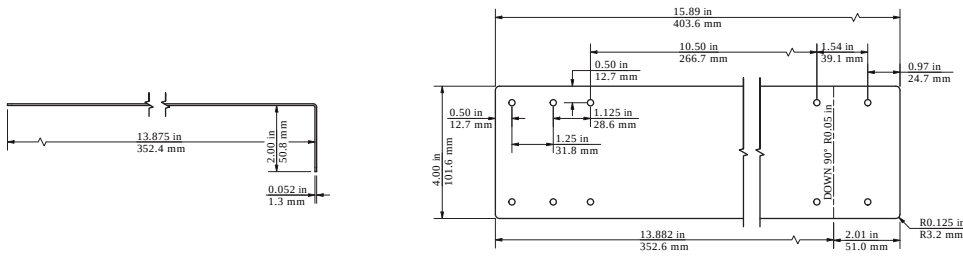
OUTSIDE CORNER 9.25

PART NO. OC-9.5
GALVANIZED STEEL - 18GA



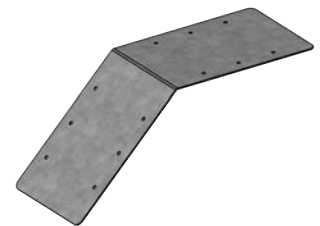
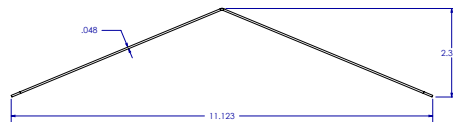
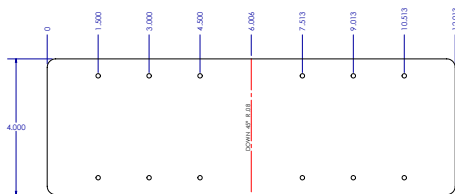
OUTSIDE CORNER 11.5

PART NO. OC-11.5
GALVANIZED STEEL - 18GA



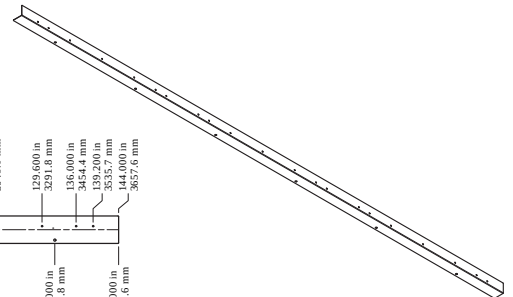
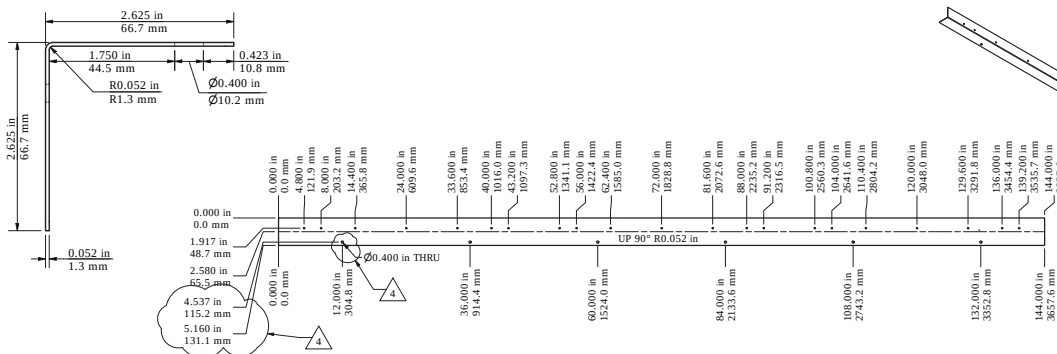
OUTSIDE CORNER 45

PART NO. C-45
GALVANIZED STEEL - 18GA



BOTTOM SPLIT TRACK

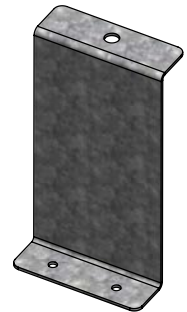
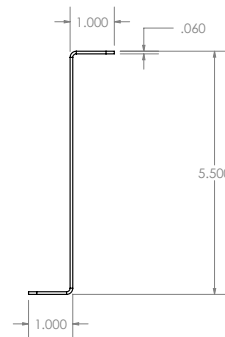
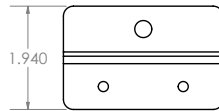
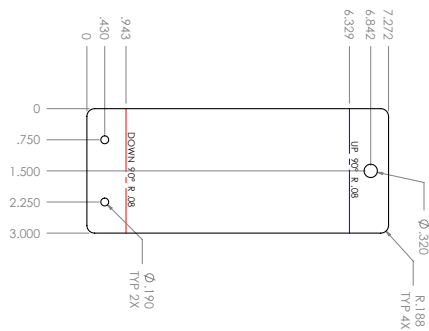
PART NO. BT
GALVANIZED STEEL - 18GA



ROOF CLIP 5.5

PART NO. RC-5.5

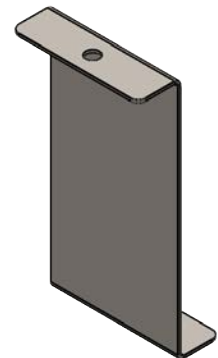
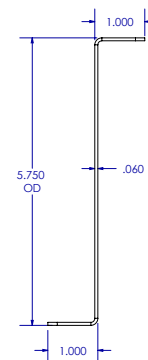
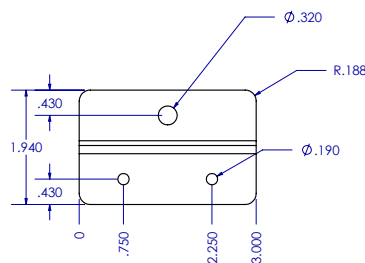
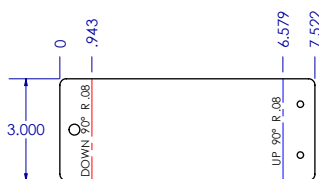
GALVANIZED STEEL - 16GA



ROOF CLIP 7.5

PART NO. RC-7.5

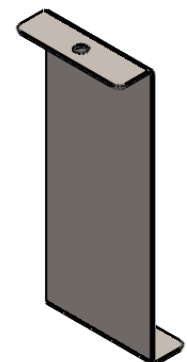
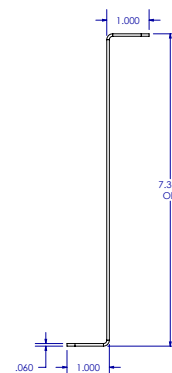
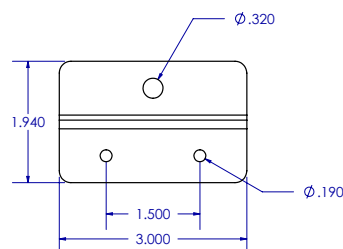
GALVANIZED STEEL - 16GA



ROOF CLIP 9.25

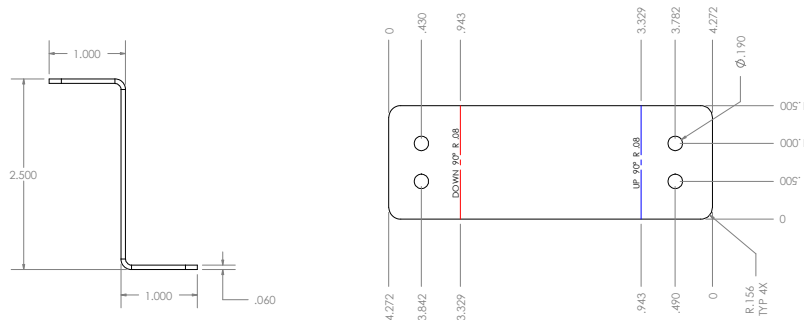
PART NO. RC-9.25

GALVANIZED STEEL - 16GA



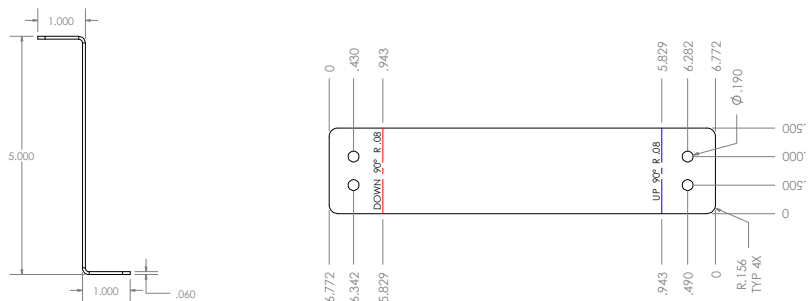
HEADER BASE PLATE SINGLE JOIST

PART NO. HBP-SJ
GALVANIZED STEEL - 16GA



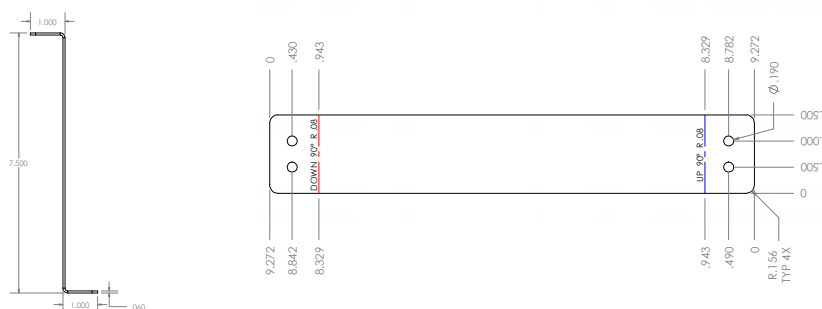
HEADER BASE PLATE DOUBLE JOIST

PART NO. HBP-DJ
GALVANIZED STEEL - 16GA



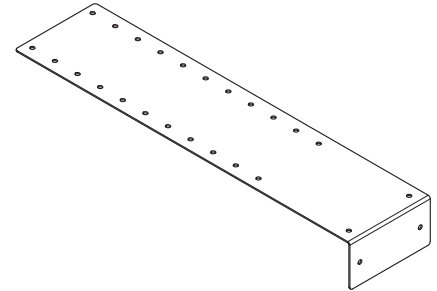
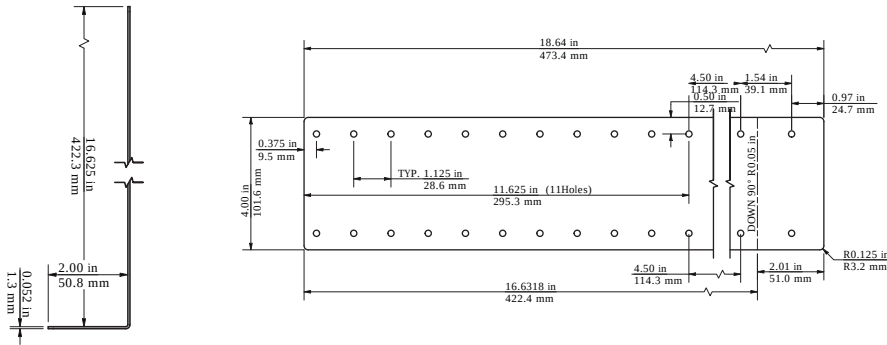
HEADER BASE PLATE TRIPLE JOIST

PART NO. HBP-TJ
GALVANIZED STEEL - 16GA



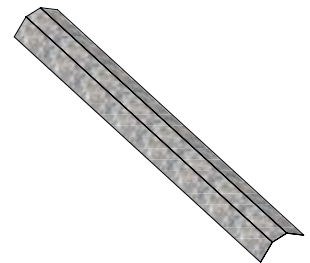
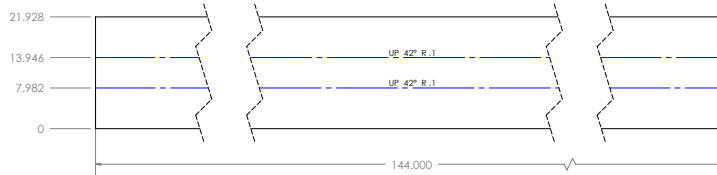
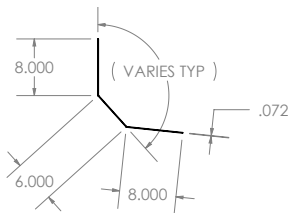
ROOF OUTSIDE CORNER

PART NO. ROC
GALVANIZED STEEL - 18GA



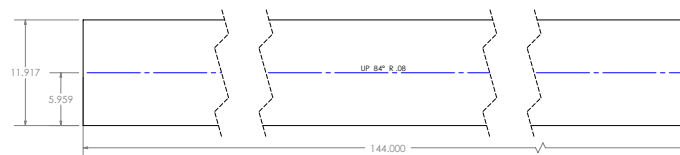
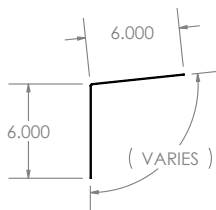
ROOF RIDGE INSIDE CONNECTION

PART NO. RR-IC
GALVANIZED STEEL - 14GA



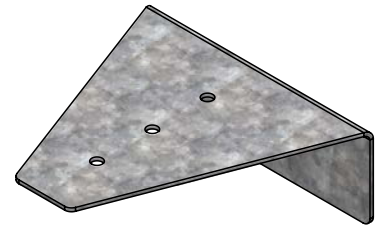
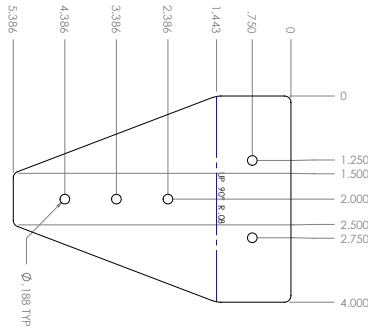
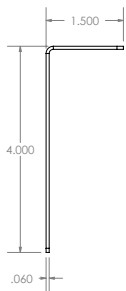
ROOF RIDGE OUTSIDE CONNECTION

PART NO. RR-OC
GALVANIZED STEEL - 18GA



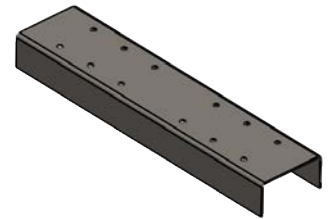
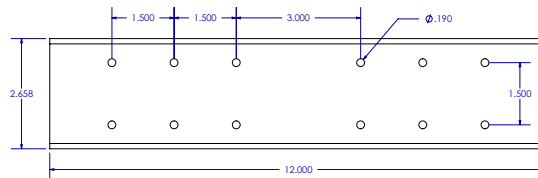
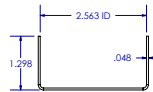
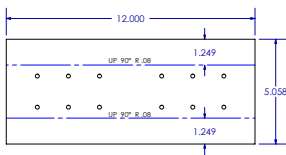
LATERAL WALL BRACE

PART NO. LWB
GALVANIZED STEEL - 16GA



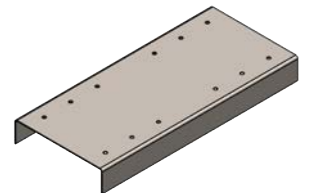
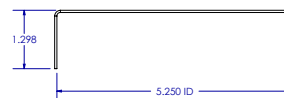
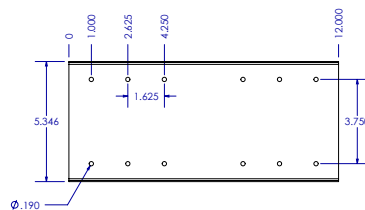
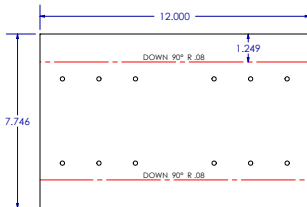
PANELIZING CLIP SINGLE

PART NO. PCS
GALVANIZED STEEL - 18GA



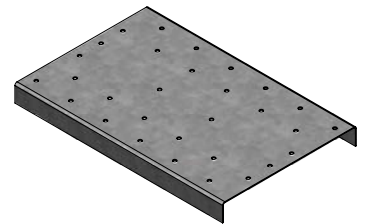
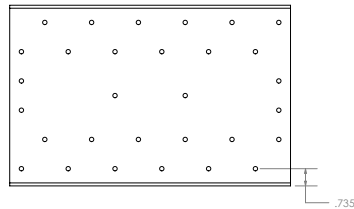
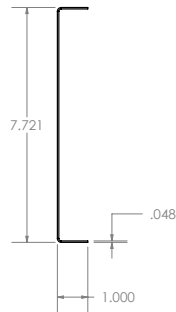
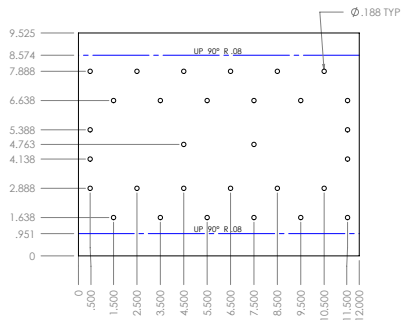
PANELIZING CLIP 2

PART NO. PC-2
GALVANIZED STEEL - 18GA



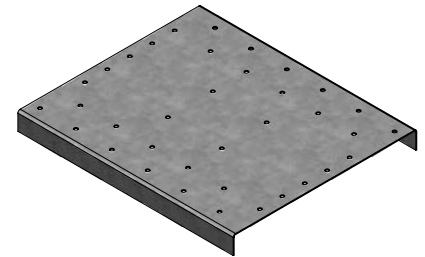
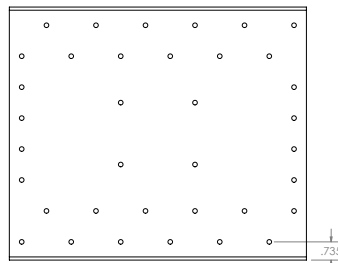
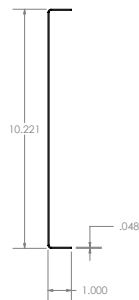
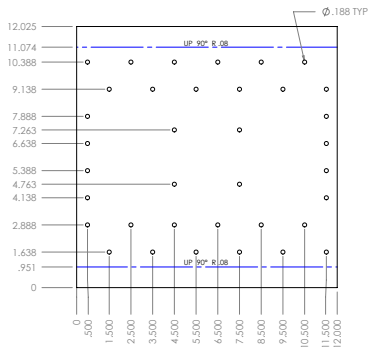
PANELIZING CLIP 3

PART NO. PC-3
GALVANIZED STEEL - 18GA



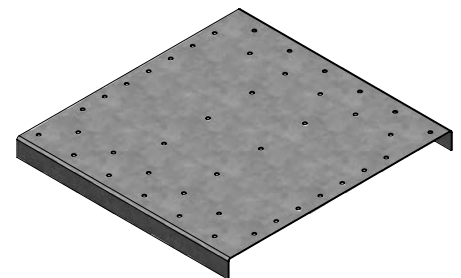
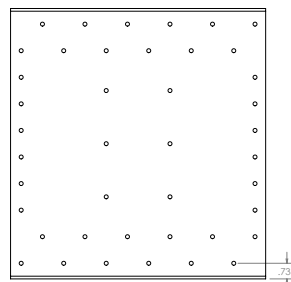
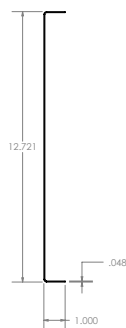
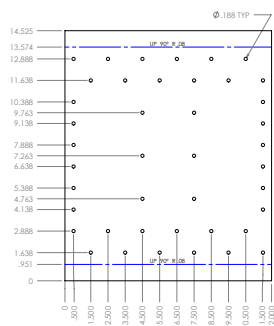
PANELIZING CLIP 4

PART NO. PC-4
GALVANIZED STEEL - 18GA

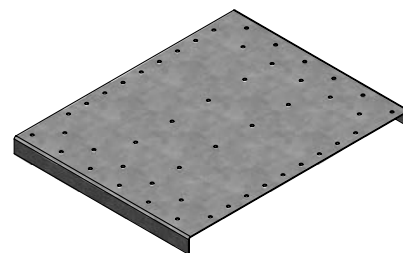


PANELIZING CLIP 5

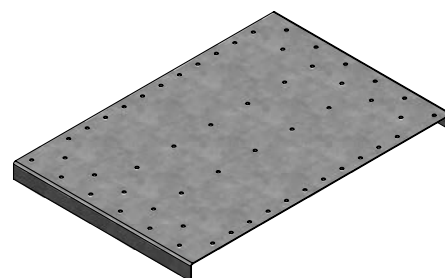
PART NO. PC-5
GALVANIZED STEEL - 18GA



PART NO. PC-6
GALVANIZED STEEL - 18GA



PART NO. PC-7
GALVANIZED STEEL - 18GA



PART NO. DIA-C
GALVANIZED STEEL - 18GA

