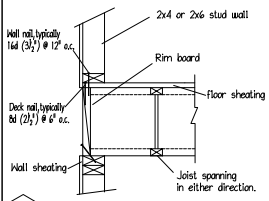
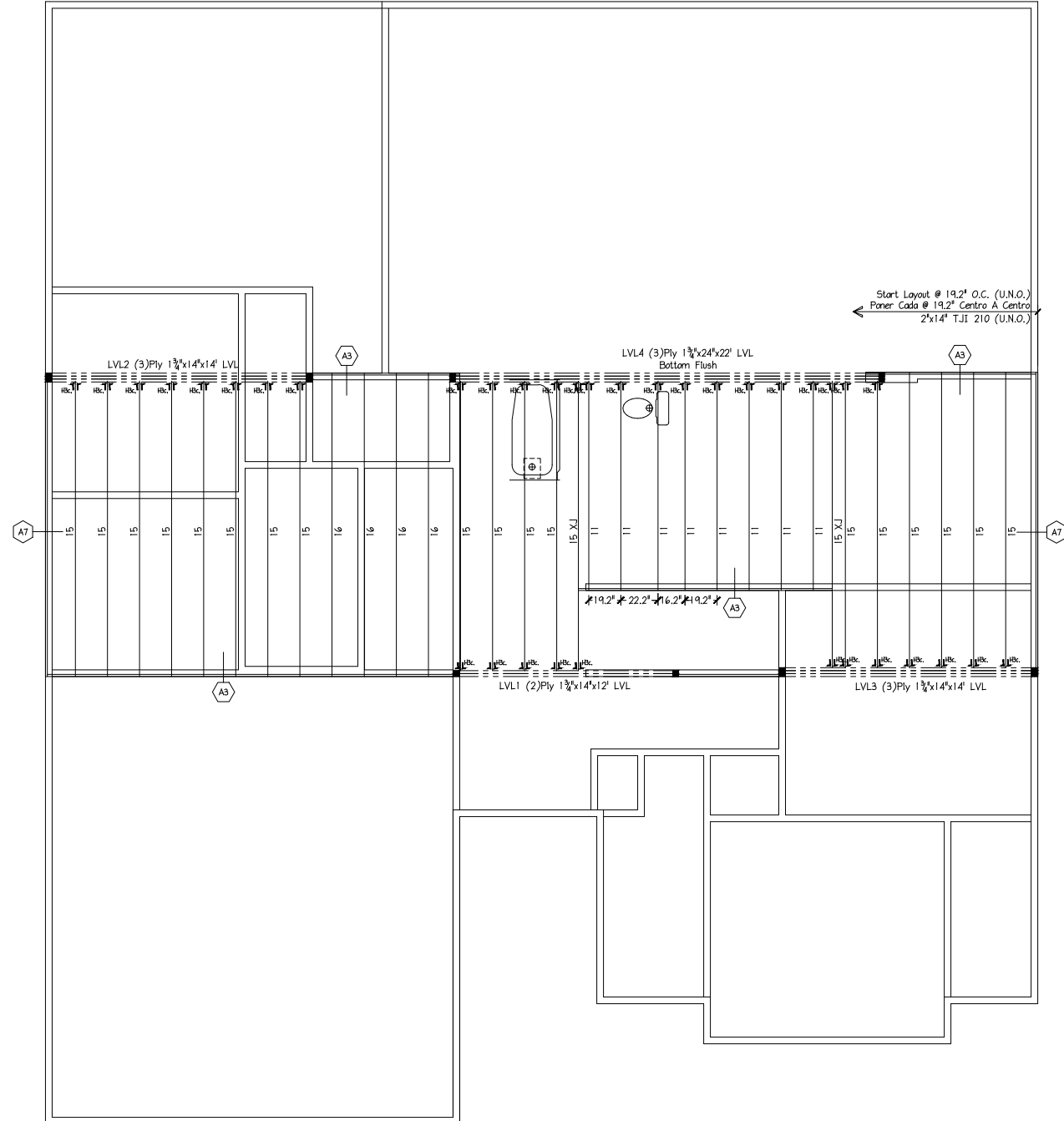
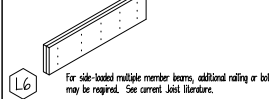


A3 Must have 1 3/4" minimum joist bearing at ends. For information on lateral load capacity refer to literature or local dealership.



A7 CONNECTION OF MULTIPLE PIECES OF TOP-LOADED BEAMS

- LVL # PSL (1 3/4" Width Pieces)
- Minimum of 2 rows 16d (3 1/2") nails at 12" oc.
- Minimum of 3 rows 16d (3 1/2") nails at 12" oc. for 14", 16", 18" beams.
- Multiple pieces of LVL # PSL can be nailed or bolted together to form a header or beam of the required size, up to a maximum width of 7 inches. Minimum of 2 rows 1/2" bolts at 24" oc. staggered.



2ND FLOOR I-JOIST PLACEMENT PLAN  
MATTAMY HOMES - LOT 77 PROVIDENCE - ALLEGHENY

ENGINEERED WOOD MATERIAL LIST

MATTAMY HOMES  
LOT 77 PROVIDENCE - ALLEGHENY  
2ND FLOOR I-JOIST PLACEMENT PLAN

| MARK | QTY | CUT LENGTH | DESCRIPTION                   |
|------|-----|------------|-------------------------------|
| 11   | 8   | 11'-0"     | 2" x 14" TJI 210              |
| 15   | 20  | 15'-0"     | 2" x 14" TJI 210              |
| 16   | 4   | 16'-0"     | 2" x 14" TJI 210 (Total 452') |

| BEAMS AND HEADERS |   |        |                               |
|-------------------|---|--------|-------------------------------|
| LVL1              | 2 | 12'-0" | 1 3/4" x 14" LVL 2.0E (Flush) |
| LVL2              | 3 | 14'-0" | 1 3/4" x 14" LVL 2.0E (Flush) |
| LVL3              | 3 | 14'-0" | 1 3/4" x 14" LVL 2.0E (Flush) |
| LVL4              | 3 | 22'-0" | 1 3/4" x 24" LVL 2.0E (Flush) |

| ACCESSORIES & OTHER MATERIALS (Simpson Hangers) |     |      |  |
|---|-----|------|--|
| ITEM  | QTY | UNIT | DESCRIPTION                              |
| 14" Rim   | 85  | LF   | 1 1/2"x14" TJ Rim @ pcs@12" or 6 pcs@16" |
| Hbc   | 36  | PCS  | IUS2.06/14 Single Face Pth Hanger        |
| TJLAYOUT  | 1   | PCS  | TJI Placement Layout                     |
| TJGUIDE   | 1   | PCS  | TJI Installation Guide                   |

SEE MATERIAL LIST FOR DEPTH, GRADE & LENGTH  
INDICATED I-JOIST  
INDICATED TIMBERSTRAND NOR. LVL  
INDICATED FLOORPLAN LVL  
INDICATED PARALLEL PCL  
INDICATED BLUE-LINE  
INDICATES A SECTION FROM THE INSTALLATION GUIDE SHEET IS ALSO SHOWN ON THIS SHEET  
LOAD BEARING WALL ABOVE  
EXTRA JOIST ADDED  
EXTRA JOIST (1) UNDER WALL  
DOUBLE JOIST (2)  
TYPICAL JOIST (3)  
JOIST BRACKETING PANEL  
1 JOIST OR 1 JOIST WITH ROADS  
CONCENTRATED POINT LOAD FROM ABOVE  
DEEP BEAM  
FLUSH BEAM

THIS SHOP DRAWING IS BASED ON THE FOLLOWING

|                  |                |                    |                      |      |
|------------------|----------------|--------------------|----------------------|------|
| PROJECT LOCATION | PROJECT NUMBER | ARCHITECT DWG# BY  | CHECKED BY           | DATE |
|                  |                | ARCHITECT REVISION | STRUCTURAL REVIEW BY |      |

| REV | BY  | DATE / DESC. |
|-----|-----|--------------|
| SD  | JDS | 2/11/22      |

DESIGN DATA

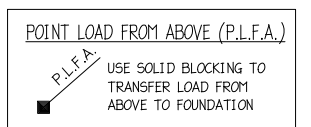
|                     |          |
|---------------------|----------|
| LIVE                | 40 PSF   |
| DEAD                | 10 PSF   |
| TOTAL LOAD          | = 50 PSF |
| STRESS DURATION     | = 100%   |
| DEFLECTION CRITERIA | (L/480)  |

**Builders FirstSource**

READ MANUFACTURER'S INSTALLATION GUIDE BEFORE FINISHING. COORDINATE APPROPRIATE GUIDE FOR EACH JOIST TYPE AND SIZE WITH THE MANUFACTURER'S INSTALLATION GUIDE. THE MANUFACTURER'S INSTALLATION GUIDE IS THE AUTHORITY FOR THE CORRECT INSTALLATION OF THE JOIST. THE JOIST MANUFACTURER'S INSTALLATION GUIDE FOR WALL CONNECTIONS IS THE AUTHORITY FOR THE CORRECT WALL CONNECTION. THE JOIST MANUFACTURER'S INSTALLATION GUIDE FOR WALL CONNECTIONS IS THE AUTHORITY FOR THE CORRECT WALL CONNECTION. THE JOIST MANUFACTURER'S INSTALLATION GUIDE FOR WALL CONNECTIONS IS THE AUTHORITY FOR THE CORRECT WALL CONNECTION. THE JOIST MANUFACTURER'S INSTALLATION GUIDE FOR WALL CONNECTIONS IS THE AUTHORITY FOR THE CORRECT WALL CONNECTION.

I-Joists

|            |   |           |
|------------|---|-----------|
| 12BCI 4500 | = | 12T JI110 |
| 12BCI 5000 | = | 12T JI210 |
| 14BCI 4500 | = | 14T JI110 |
| 14BCI 5000 | = | 14T JI210 |
| 14BCI 6000 | = | 14T JI230 |
| 16BCI 5000 | = | 16T JI210 |
| 16BCI 60   | = | 16T JI360 |



SCALE: 1/4" = 1'-0" 0 5' 10'

BUILDER: MATTAMY HOMES  
MODEL: LOT 77 PROVIDENCE - ALLEGHENY  
2ND FLOOR I-JOIST PLACEMENT PLAN  
DATE: TUESDAY, 29 MARCH 2022 - 9:58 PM  
FILE: I:\...TTANY\_HOMES\ALLEGHENY - LOT 77 PROVIDENCE CREEK.DWG

DRAWN BY: NJH DATE: 3/29/22  
SHEET: 1 OF 1 SHEETS