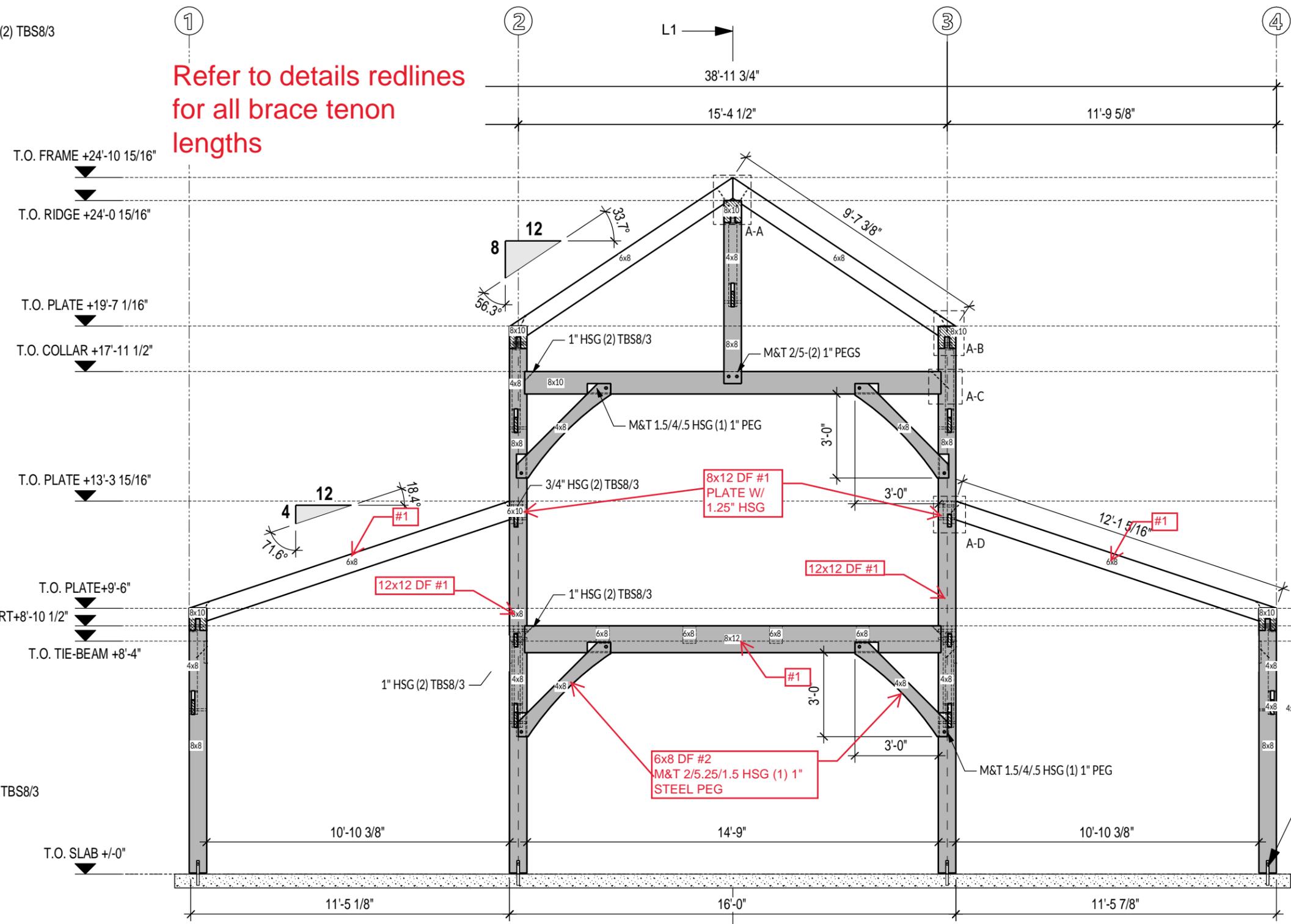
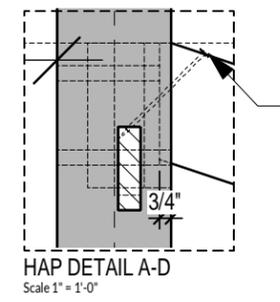
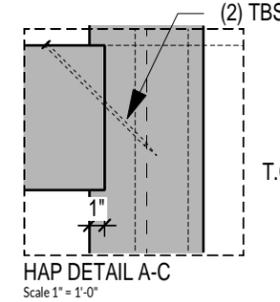
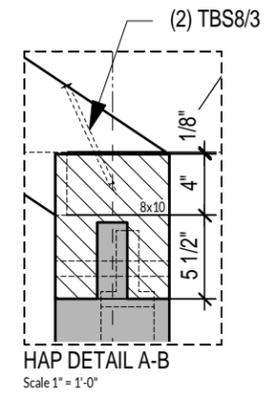
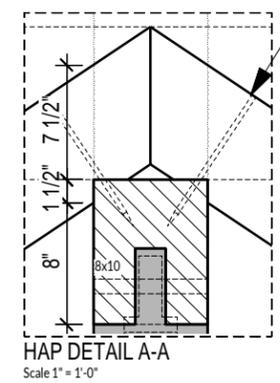


**DRAWING LEGEND**

**Reviewed for Code Compliance**  
08/11/2023

|                                        |                                                |
|----------------------------------------|------------------------------------------------|
| TIMBER DESCRIPTION: NAME/X-SECTION     | INDICATES HOUSING IN VIEW                      |
| PRODUCT MANUFACTURER                   | INDICATES A MORTISE                            |
| IN ELEVATIONS AND SECTION VIEWS        | INDICATES A THROUGH MORTISE                    |
| INDICATES A THROUGH MORTISE            | INDICATES A REFERENCE PLANE                    |
| INDICATES A REFERENCE PLANE            | INDICATES A CENTERLINE REFERENCE               |
| INDICATES A CENTERLINE REFERENCE       | INDICATES ENDGRAIN OF TIMBER                   |
| INDICATES ENDGRAIN OF TIMBER           | INDICATES A TRANSVERSE SECTION CUT             |
| INDICATES A TRANSVERSE SECTION CUT     | INDICATES A LONGITUDINAL SECTION CUT           |
| INDICATES A LONGITUDINAL SECTION CUT   | IN PLAN VIEWS                                  |
| POST: CONTINUOUS TO LOAD BEARING FLOOR | POST DOWN: HIDDEN POST IN VIEW (LOAD PATH)     |
| POST AT FLOOR VIEW                     | POST ABOVE                                     |
| POST ABOVE                             | TERMINOLOGY                                    |
| FTO                                    | BRACE ALIGNED FLUSH TO OUTSIDE/ BAREFACE TENON |
| M&T                                    | MORTISE AND TENON JOINT                        |
| 2/5/5                                  | TENON THICKNESS/ TENON LENGTH/ HOUSING DEPTH   |
| (-2)1"                                 | WITH (2) 1" DIA OAK PEGS                       |
| (2)TBS8/4                              | (2) ROTHOBLOSS TBS8 FASTENERS/ MIN. EMBEDMENT  |

Refer to details redlines for all brace tenon lengths



**Transverse Section INTERIOR FRAME**

Scale: 1/4" = 1'-0"

**40x42 Monitor Barn**  
Address:  
City, State, ZIP:

|              |            |           |  |
|--------------|------------|-----------|--|
| Date:        | 06-25-2021 | REVISIONS |  |
| Issue:       |            |           |  |
| Client:      |            |           |  |
| Designed by: | CM         |           |  |
| Drawn By:    | TM         |           |  |
| SKU:         | 43615      |           |  |

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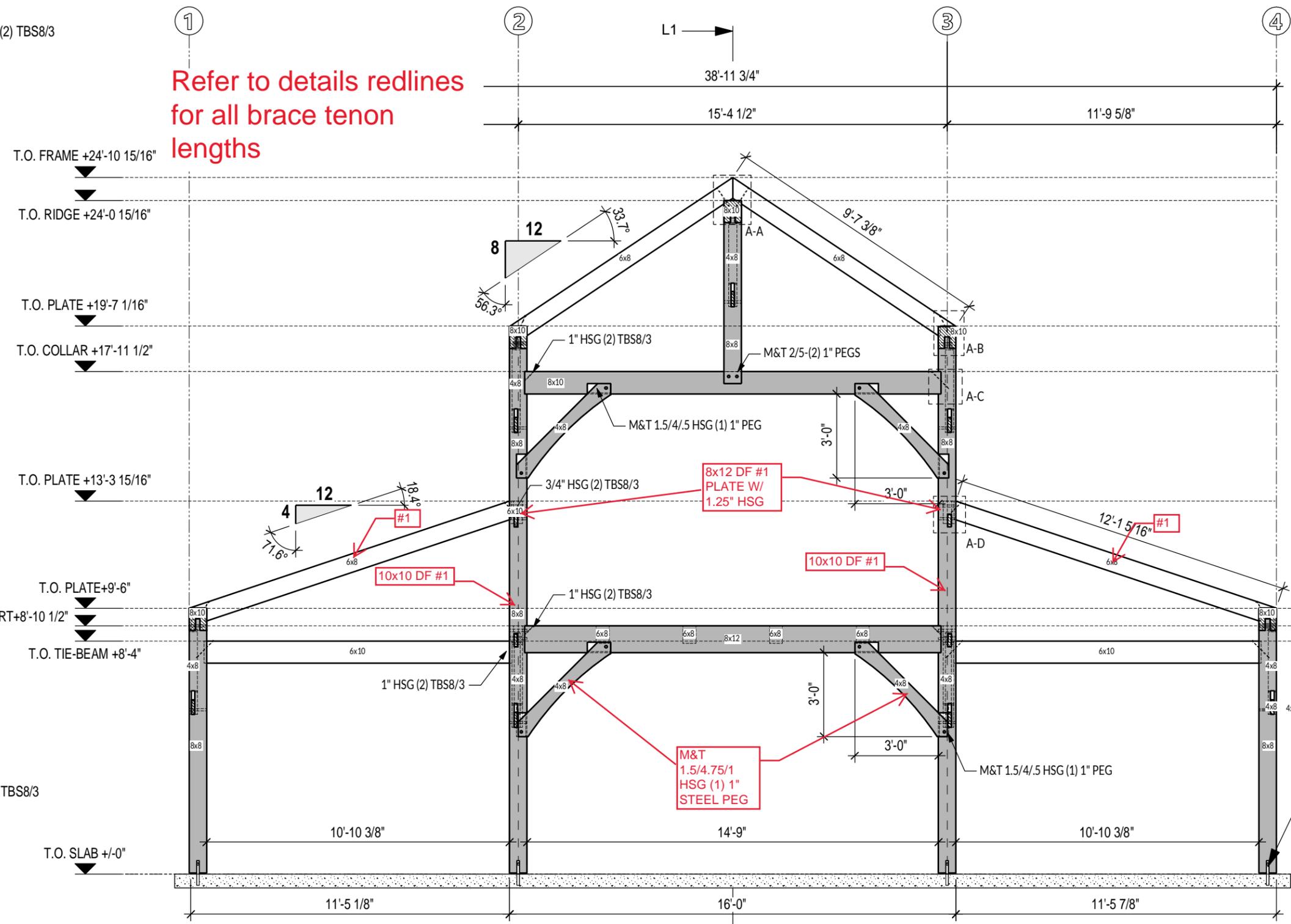
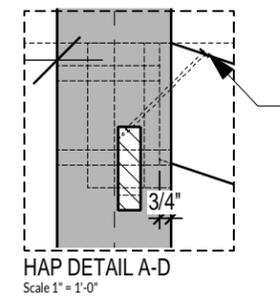
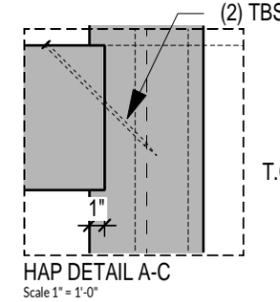
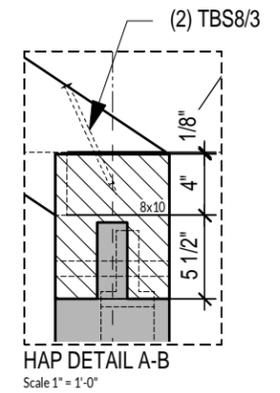
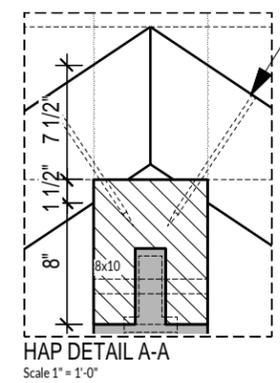
**TF: 11 OF 13**  
3D file name: 40x42 Monitor w Walls  
File name: 40x42 Monitor Barn House (43616)-06

**DRAWING LEGEND**

**Reviewed for Code Compliance**  
08/11/2023

|                                    |                                                |
|------------------------------------|------------------------------------------------|
| TIMBER DESCRIPTION: NAME/X-SECTION | INDICATES HOUSING IN VIEW                      |
| PRODUCT MANUFACTURER               | INDICATES A MORTISE                            |
| IN ELEVATIONS AND SECTION VIEWS    |                                                |
| [Symbol]                           | INDICATES A THROUGH MORTISE                    |
| [Symbol]                           | INDICATES A REFERENCE PLANE                    |
| [Symbol]                           | INDICATES A CENTERLINE REFERENCE               |
| [Symbol]                           | INDICATES ENDGRAIN OF TIMBER                   |
| [Symbol]                           | INDICATES A TRANSVERSE SECTION CUT             |
| [Symbol]                           | INDICATES A LONGITUDINAL SECTION CUT           |
| IN PLAN VIEWS                      |                                                |
| [Symbol]                           | POST: CONTINUOUS TO LOAD BEARING FLOOR         |
| [Symbol]                           | POST DOWN: HIDDEN POST IN VIEW (LOAD PATH)     |
| [Symbol]                           | POST AT FLOOR VIEW                             |
| [Symbol]                           | POST ABOVE                                     |
| TERMINOLOGY                        |                                                |
| FTO                                | BRACE ALIGNED FLUSH TO OUTSIDE/ BAREFACE TENON |
| M&T                                | MORTISE AND TENON JOINT                        |
| 2/5/5                              | TENON THICKNESS/ TENON LENGTH/ HOUSING DEPTH   |
| -(2)1"                             | WITH (2) 1" DIA OAK PEGS                       |
| (2)TBS8/4                          | (2) ROTHOBLOSS TBS8 FASTENERS/ MIN. EMBEDMENT  |

Refer to details redlines for all brace tenon lengths



**Transverse Section EXTERIOR FRAME**

Scale: 1/4" = 1'-0"

**40x42 Monitor Barn**  
Address:  
City, State, ZIP:

|              |            |           |  |
|--------------|------------|-----------|--|
| Date:        | 06-25-2021 | REVISIONS |  |
| Issue:       |            |           |  |
| Client:      |            |           |  |
| Designed by: | CM         |           |  |
| Drawn By:    | TM         |           |  |
| SKU:         | 43615      |           |  |

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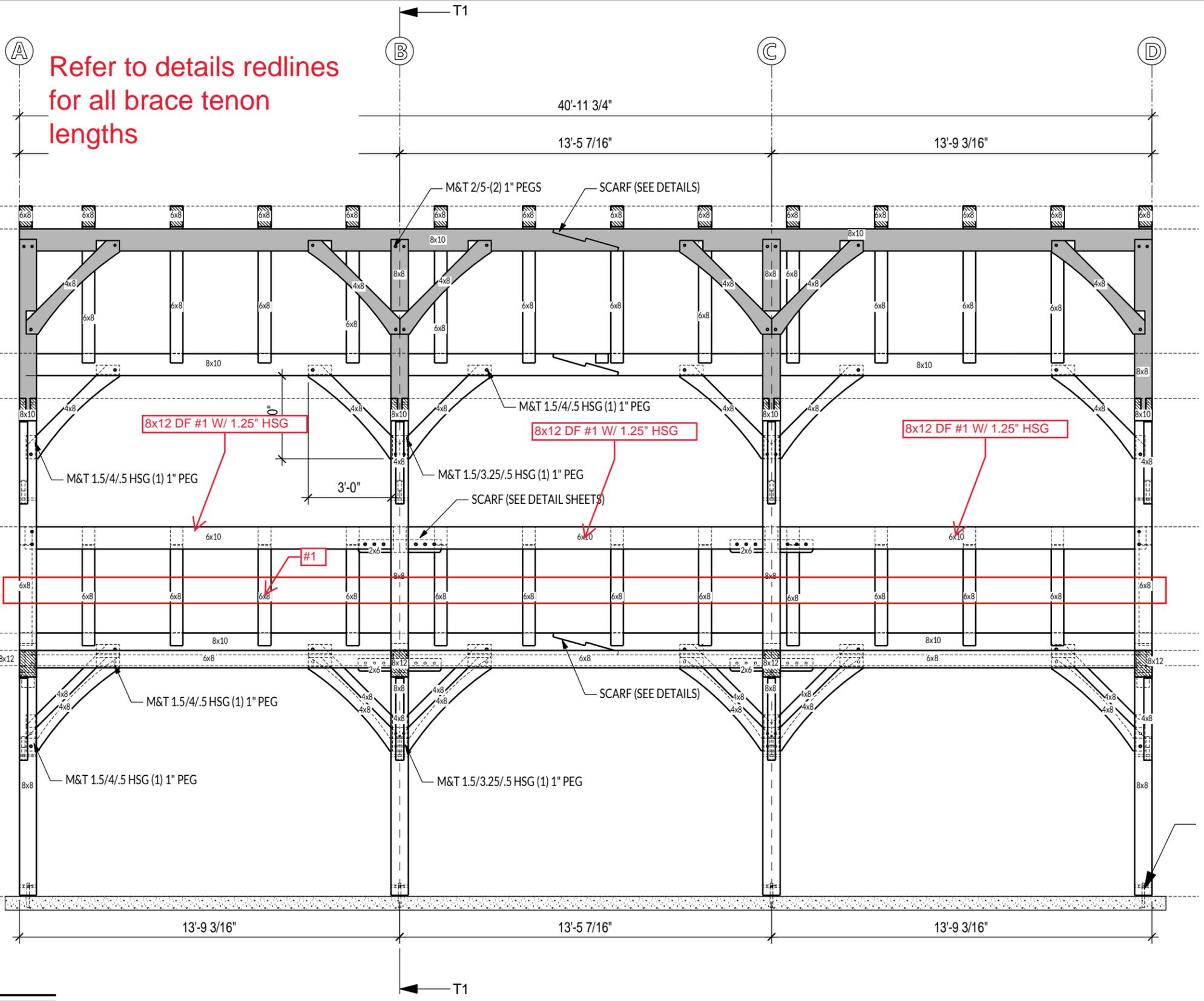
**TF: 11 OF 13**  
3D file name: 40x42 Monitor w Walls  
File name: 40x42 Monitor Barn House (43616)-06

**Reviewed for Code Compliance**

**08/11/2023**

**DRAWING LEGEND**

|                      |                                                |
|----------------------|------------------------------------------------|
|                      | INDICATES HOUSING IN VIEW                      |
|                      | INDICATES A MORTISE                            |
|                      | INDICATES A THROUGH MORTISE                    |
|                      | INDICATES A REFERENCE PLANE                    |
|                      | INDICATES A CENTERLINE REFERENCE               |
|                      | INDICATES ENDGRAIN OF TIMBER                   |
|                      | INDICATES A TRANSVERSE SECTION CUT             |
|                      | INDICATES A LONGITUDINAL SECTION CUT           |
| <b>IN PLAN VIEWS</b> |                                                |
|                      | POST: CONTINUOUS TO LOAD BEARING FLOOR         |
|                      | POST DOWN: HIDDEN POST IN VIEW (LOAD PATH)     |
|                      | POST AT FLOOR VIEW                             |
|                      | POST ABOVE                                     |
| <b>TERMINOLOGY</b>   |                                                |
| FTO                  | BRACE ALIGNED FLUSH TO OUTSIDE/ BAREFACE TENON |
| M&T                  | MORTISE AND TENON JOINT                        |
| 2/5/5                | TENON THICKNESS/ TENON LENGTH/ HOUSING DEPTH   |
| -(2)1"               | WITH (2) 1" DIA OAK PEGS                       |
| (2)TBS8/4            | (2) ROTHBLASS TBS8 FASTENERS/ MIN. EMBEDMENT   |



**Longitudinal Section**

Scale: 1/4" = 1'-0"

(1) TIMBERLINX A475  
@ EACH POST (SEE DETAIL SHEETS)

**40x42 Monitor Barn**  
Address:  
City, State, ZIP:

|              |            |           |  |
|--------------|------------|-----------|--|
| Date:        | 06-25-2021 | REVISIONS |  |
| Issue:       |            |           |  |
| Client:      |            |           |  |
| Designed by: | CM         |           |  |
| Drawn By:    | TM         |           |  |
| SKU:         | 43615      |           |  |

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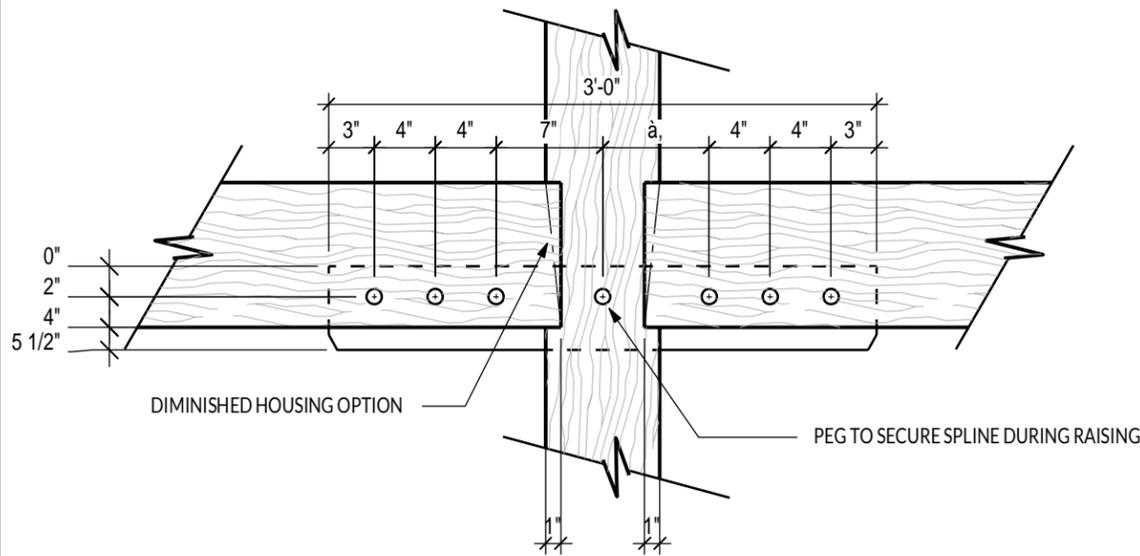
**TF: 10 OF 13**  
3D file name: 40x42 Monitor w Walls  
File name: 40x42 Monitor Barn House (43616)-06

Details redlines

**DETAIL: OAK SPLINE: 1.5 X 5.5**

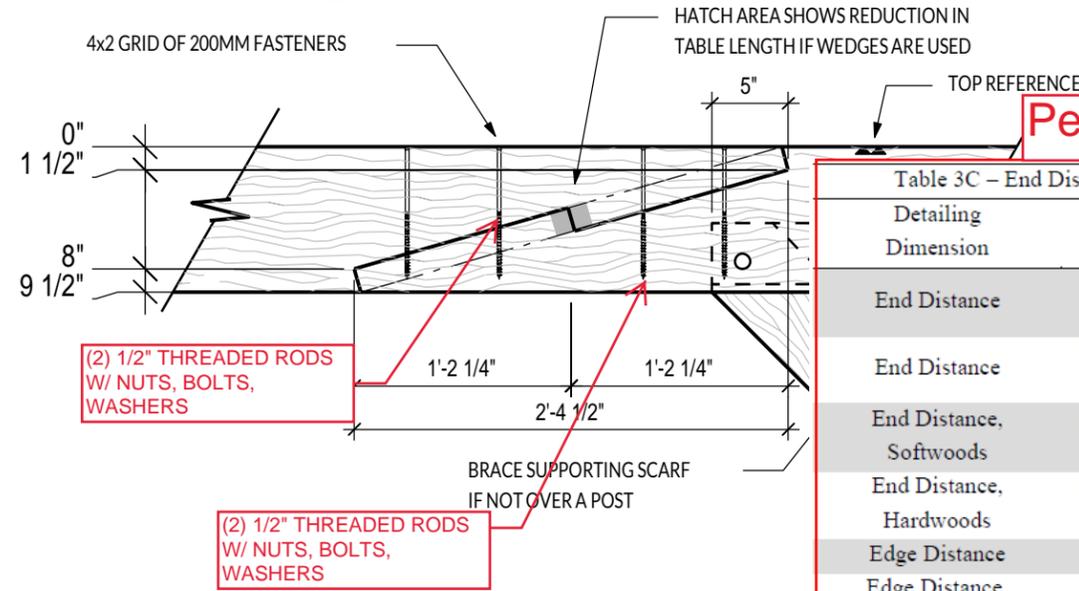
SCALE: 1" = 1'

- OAK SPLINE LESS THAN 15% M.C.
- STRAIGHT GRAINED MATERIAL
- BUILDER OPTION TO CUT DIMINISHED HOUSINGS (1") : SHOWN WITH DASHED LINE



**DETAIL: 8X10 SCARF JOINT**

SCALE: 1" = 1'



**DRAWING LEGEND**

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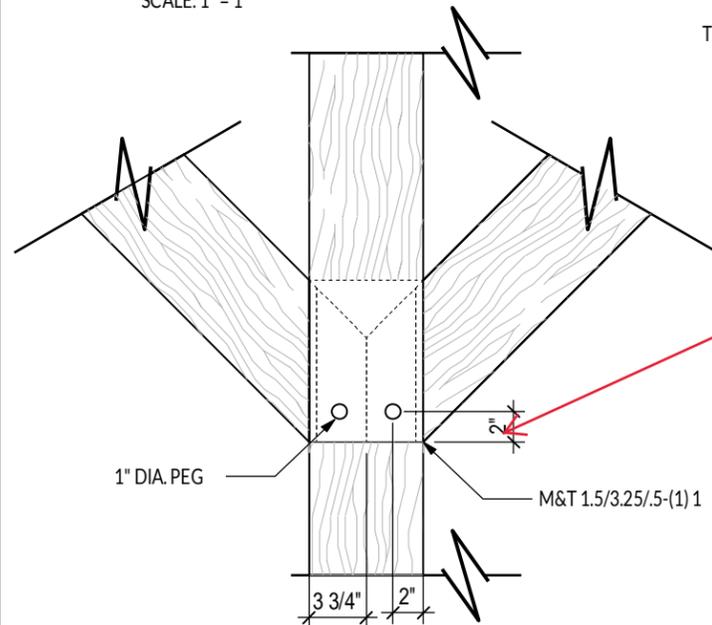
Per TFEC:

Table 3C – End Distance, Edge Distance and Spacing Requirements

| Detailing Dimension          | Loading Direction              | Minimum value for $C_{\Delta} = 0.5$ | Minimum value for $C_{\Delta} = 1.0$ |
|------------------------------|--------------------------------|--------------------------------------|--------------------------------------|
| End Distance                 | Perpendicular to grain         | 2.0 D                                | 2.5 D                                |
| End Distance                 | Parallel to grain, compression | 2.0 D                                | 2.5 D                                |
| End Distance, Softwoods      | Parallel to grain, tension     | 2.0 D                                | 4.0 D                                |
| End Distance, Hardwoods      | Parallel to grain, tension     | 2.0 D                                | 3.0 D                                |
| Edge Distance                | Parallel to grain              | --                                   | 1.5 D                                |
| Edge Distance, Loaded edge   | Perpendicular to grain         | --                                   | 2.5 D                                |
| Edge Distance, Unloaded Edge | Perpendicular to grain         | --                                   | 1.5 D                                |
| Spacing in a row             | Any                            | 3.0 D                                | 4.0 D                                |
| Spacing between rows         | Parallel to grain              | 1.5 D                                | 2.5 D                                |
| Spacing between rows         | Perpendicular to grain         | 1.5 D                                | 3.0 D                                |

**S4S BRACE CONNECTION**

SCALE: 1" = 1'

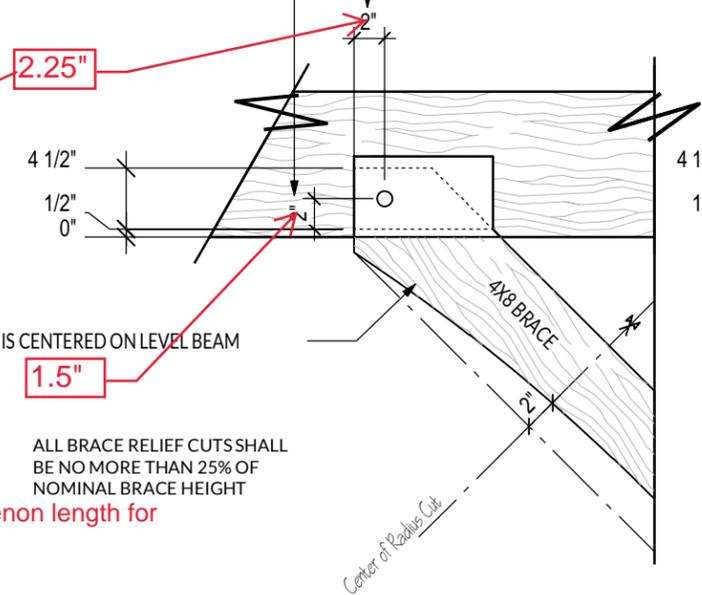


**TYPICAL S4S BRACE: 4" TENON**

SCALE: 1" = 1'

ALWAYS 2" OFF OF SHOULDER OF TENON THEREFORE 2 1/2" FROM BEAM ARRIS WITH 1/2" HOUSING 2 3/4" FROM BEAM ARRIS WITH 3/4" HOUSING ETC.

ALWAYS 2" FROM BEARING NOSE FOR FIRST PEG



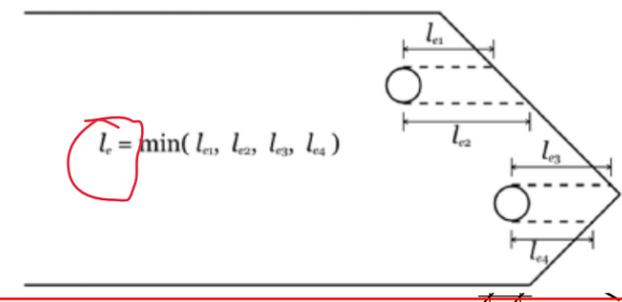
for 1" oak peg, softwood brace in tension ( $l_e = 4"$ ) the tenon length for all braces shall be:

Tenon Length" = (HSG depth)" + 1.5" + 2.25"  
 SIMPLIFIED  
 Tenon Length" = (HSG depth)" + 3.75"

Per TFEC:

3.1.1.2 "End distance" is the distance  $l_e$  measured parallel to grain from the square-cut end of a member to the center of the nearest fastener. For a member with a tapered-cut end, "end distance" is the minimum distance measured parallel to grain from the face of the cut end of a member to a diametrical line oriented perpendicular to grain through the center of the nearest fastener (see Figure 3A).

Figure 3A End distance for tapered member ends



40x42 Monitor Barn

Address:  
City, State, ZIP:

|              |            |
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| Drawn By:    | TM         |
| SKU:         | 43615      |

REVISIONS

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