

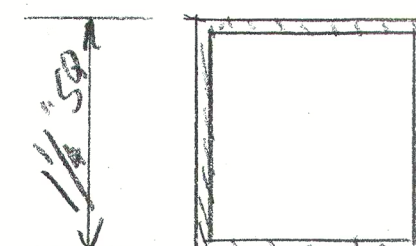


A diagram of a vertical rectangular plate. The width is labeled  $A$  and the height is labeled  $B$ . The plate is shown with a vertical centerline and a horizontal centerline intersecting at the center.

NOTE: Installation kit included. Column can be field trimmed to various heights without losing load rating. Cap is 9 5/8" x 7" and base is 9 5/8" x 9".

NOTE: Installation kit included. Column can be field trimmed to various heights without losing load rating. Cap is 9 5/8" x 7" and base is 9 5/8" x 9".

**DETAIL 'B'**  
**COLUMN DETAIL**



DETAIL 'A'  
HANDRAIL CROSS-SECTION  
(FULL SIZE)

| Table B802.5-3 (3)                   |                    | Rafters Span = Ground Slope Load / Depth × Ceiling attached to rafters |      |      |      |                    |      |      |
|--------------------------------------|--------------------|------------------------------------------------------------------------|------|------|------|--------------------|------|------|
|                                      |                    | DEAD LOAD = 10 psf                                                     |      |      |      | DEAD LOAD = 20 psf |      |      |
| Rafter Span                          | Species & Grade    | 2x6                                                                    | 2x8  | 2x10 | 2x12 | 2x8                | 2x10 | 2x12 |
| Maximum Rafter Spacing (feet-inches) |                    |                                                                        |      |      |      |                    |      |      |
| 12                                   | Hem-fir #2         | 8-10                                                                   | 13-2 | 17-6 | 23-4 | 8-4                | 12-5 | 15-9 |
| 12                                   | Spruce-pine-fir #2 | 8-13                                                                   | 13-7 | 17-5 | 21-4 | 24-8               | 8-5  | 12-7 |
| 12                                   | Hem-fir #2         | 8-0                                                                    | 13-9 | 14-1 | 18-2 | 21-7               | 10-6 | 14-3 |
| 12                                   | Spruce-pine-fir #2 | 8-2                                                                    | 11-1 | 15-8 | 18-2 | 21-5               | 9-7  | 14-0 |
| Table B802.5-5                       |                    | Rafters Span = Ground Slope Load / Ceiling attached to rafters         |      |      |      |                    |      |      |
| 12                                   | Hem-fir #2         | 8-0                                                                    | 12-7 | 16-7 | 21-0 | 24-4               | 8-0  | 12-4 |
| 12                                   | Spruce-pine-fir #2 | 8-3                                                                    | 12-1 | 17-0 | 21-4 | 24-8               | 8-5  | 12-7 |
| 12                                   | Hem-fir #2         | 7-5                                                                    | 11-9 | 15-7 | 19-7 | 23-1               | 7-6  | 11-5 |
| 12                                   | Spruce-pine-fir #2 | 7-6                                                                    | 11-9 | 15-1 | 18-5 | 21-5               | 7-3  | 10-8 |

**WAKEFIELD CUSTOM HOMES, INC.**  
**6048 SEDGLEY CT.**  
**BURR RIDGE, IL 60527**  
**(630) 794-0013**  
**APRIL 10, 2018**

Dated

Pages

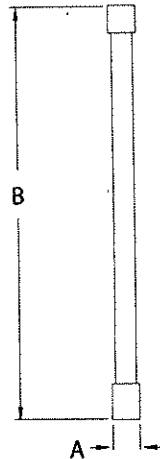


**CROSS-SECTION: A-A**  
**SCALE: 1" = 1'-0"**

**DECK CONVERSION TO SCREENED PORCH**  
**Sheet 2 of 2**  
**THE BELLOCK RESIDENCE**  
**1224 Stonebrier ct.**  
**Naperville, IL 60527**

# Column

Woodgrain - Structural



| Part Number   | Width (A) | Height (B) | Load Bearing Capacity |
|---------------|-----------|------------|-----------------------|
| PPSQKIT6X108S | 7"        | 108"       | 12,000#               |

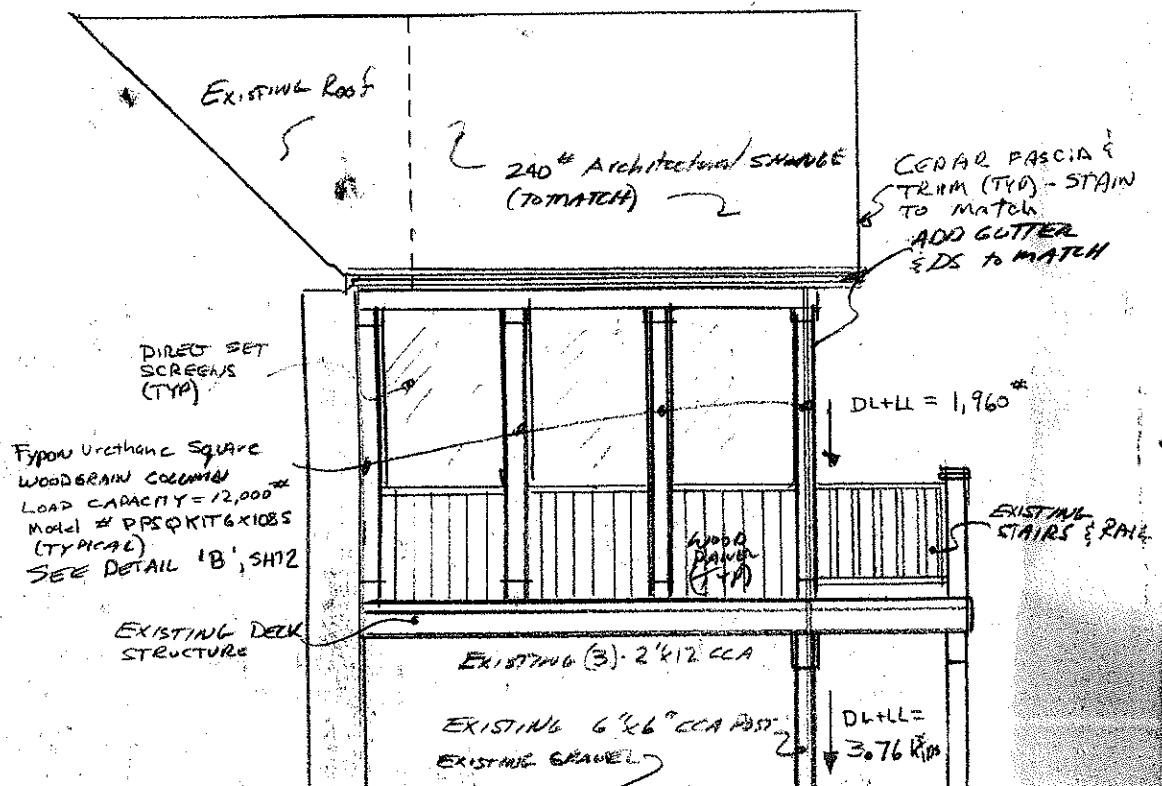
NOTE: Installation kit included. Column can be field trimmed to various heights without losing load rating. Cap is 9 1/8" x 7" and base is 9 1/8" x 9".

PPSQKIT6X108S: COLUMN KIT SQUARE W/TRIM 7-1/8X7-1/8X108 WOODGRAIN, ELEVATION

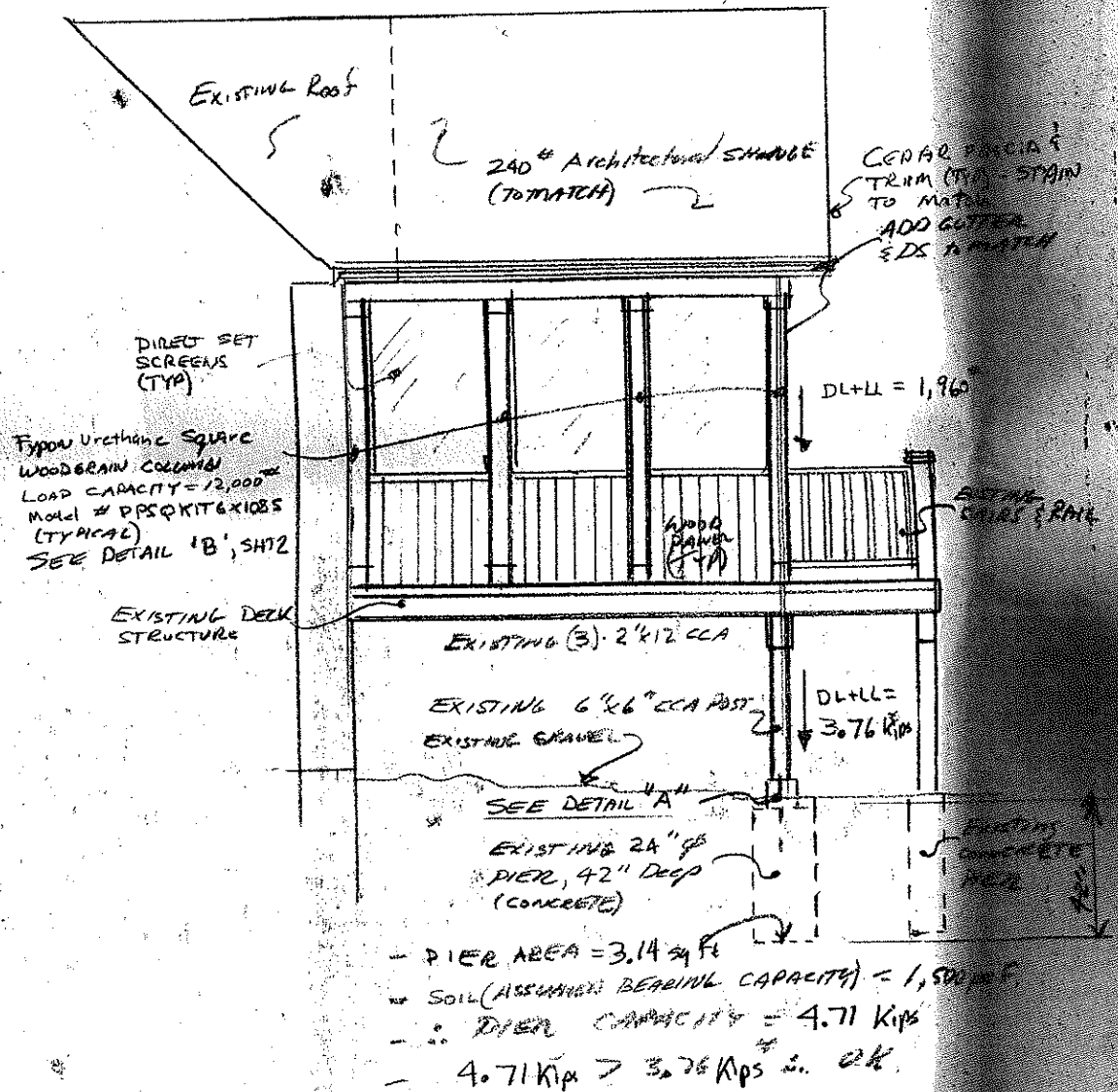
REVISION DATE 03/10/2014

PRC

## DETAIL 'B' COLUMN DETAIL



# DETAIL 'B' COLUMN DETAIL



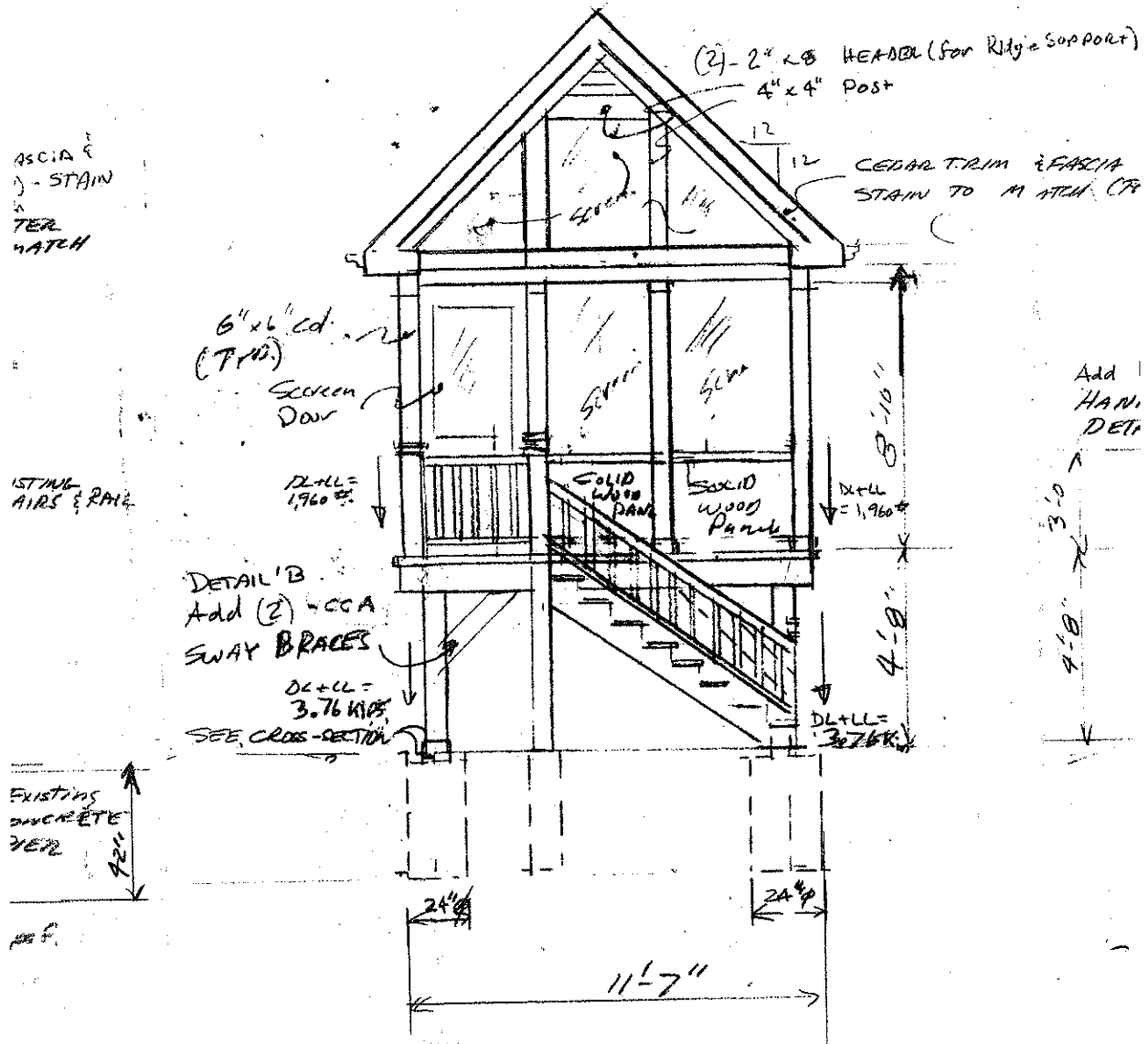
## PROPOSED SCREENED PORCH on EXISTING DECK - LEFT SIDE VIEW (SCALE: 1/4" = 1'-0")

| Table R802.5.1(3) |                   | Rafter Spans - Ground Snow Load 30psf - Ceiling not attached to rafters |       |       |      |      |                    |      |      |      |       |
|-------------------|-------------------|-------------------------------------------------------------------------|-------|-------|------|------|--------------------|------|------|------|-------|
| Rafter Spacing    | Species & Grade   | DEAD LOAD = 10 psf                                                      |       |       |      |      | DEAD LOAD = 20 psf |      |      |      |       |
|                   |                   | 2x4                                                                     | 2x6   | 2x8   | 2x10 | 2x12 | 2x4                | 2x6  | 2x8  | 2x10 | 2x12  |
|                   |                   | Maximum Rafter Spans (feet-inches)                                      |       |       |      |      |                    |      |      |      |       |
| 12                | Hem-fir#2         | 8-10                                                                    | 13-7  | 17-2  | 21-0 | 24-4 | 8-4                | 12-2 | 15-4 | 18-9 | 21-9  |
|                   | Spruce-pine-fir#2 | 9-1                                                                     | 13-9  | 17-5  | 21-4 | 24-8 | 8-5                | 12-4 | 15-7 | 19-1 | 22-1  |
|                   | Hem-fir#2         | 8-0                                                                     | 11-9  | 14-11 | 18-2 | 21-1 | 7-2                | 10-6 | 13-4 | 16-3 | 18-10 |
| 16                | Spruce-pine-fir#2 | 8-2                                                                     | 11-11 | 15-1  | 18-5 | 21-5 | 7-3                | 10-8 | 13-6 | 16-6 | 19-2  |
| Table R802.5.1(5) |                   | Rafter Spans - Ground Snow Load 30psf - Ceiling attached to rafters     |       |       |      |      |                    |      |      |      |       |
| 12                | Hem-fir#2         | 8-0                                                                     | 12-7  | 16-7  | 21-0 | 24-4 | 8-0                | 12-2 | 15-4 | 18-9 | 21-9  |
|                   | Spruce-pine-fir#2 | 8-3                                                                     | 12-11 | 17-0  | 21-4 | 24-8 | 8-3                | 12-4 | 15-7 | 19-1 | 22-1  |
|                   | Hem-fir#2         | 7-3                                                                     | 11-5  | 14-11 | 18-2 | 21-1 | 7-2                | 10-6 | 13-4 | 16-3 | 18-10 |
| 16                | Spruce-pine-fir#2 | 7-6                                                                     | 11-9  | 15-1  | 18-5 | 21-5 | 7-3                | 10-8 | 13-6 | 16-6 | 19-2  |

1/4" = 1'-0"



**PROPOSED SCREENED PORCH on EXISTING DECK - PLANVIEW (SCALE: 1/4" = 1'-0")**



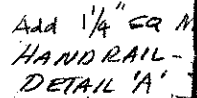
'4" = 1'-0")

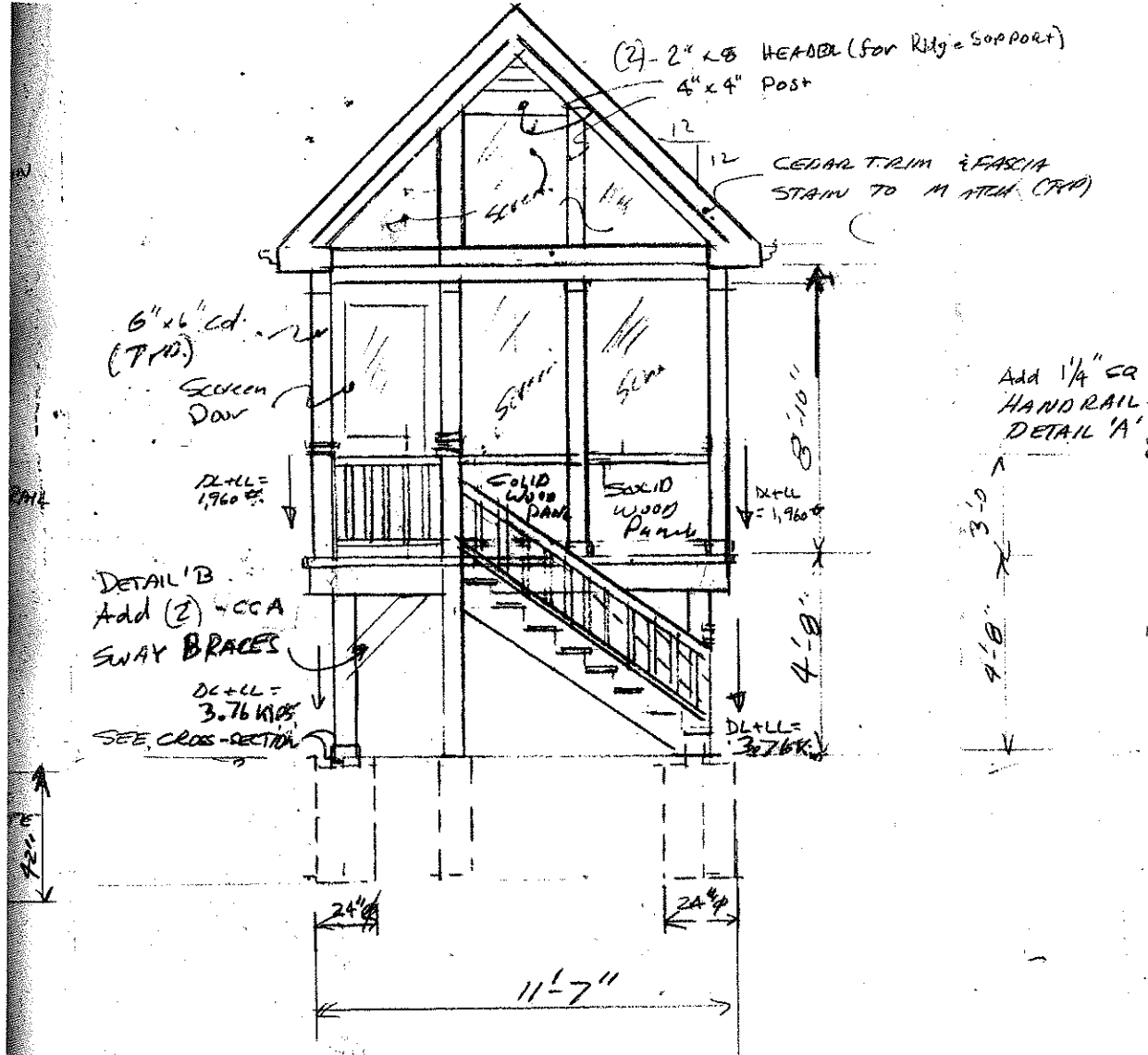
**PROPOSED SCREENED PORCH on EXISTING DECK –**

**P**

**FRONT ELEVATION (SCALE: 1/4" = 1'-0")**



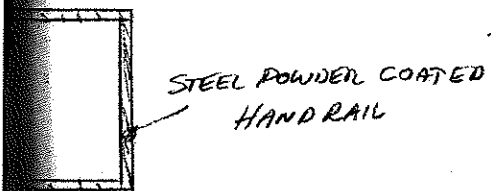




**PROPOSED SCREENED PORCH on EXISTING DECK -**

**PROPOSE**

**FRONT ELEVATION (SCALE: 1/4" = 1'-0")**



SS-SECTION

STAY WALL  
ELEV

LAP-LOCK R.

- 240# ASPHALT/FIBERGLASS LAMINATED SHINGLES (TO MATCH EXISTING)
- 15 # FELT
- 1/2" CDX PLY SHEATHING
- 2"x8" RAFTER
- 1/2" BEAD BOARD

(2) 1 3/4"  
POCKET  
POST

ICE & WATER MEMBRANE  
QUE LINE

RIP EDGE

102' FOR

BOX CUTTER  
TO MATCH

+ VENT @ 4" O.C.

SIMPSON TIE DOWN ANGLE (TYP)  
H2.5A NAIL PER MFG. RE.

(2) - 3/4" x 9/4" LVL (CONTINUOUS)  
E = 1,900,000 PSI

SIMPSON (BEAM TO COLUMN TIE-DOWN)  
PASTER PER MFG RECOMM

1" x 1" CEDAR STOPS (for SCREEN)

Fiberglass screen material (direct set)

5'10"

1 1/2" CCA FRAMED LOW WALL  
w. 1/2" CCA SHEATHING (BOTH SIDES)  
CEDAR SIDING (BOTH SIDES) TO MFG

TYP. FLYNN COLUMN  
(SEE - DETAIL 13, SMT 2)

RUN COLUMN END TO JOIST BO  
& BOLT TROUGH WITH (2) 1/2" GAL. B  
EXISTING

5/4" x 6" CEDAR JOIST

• EXISTING 2"x10" CCA FLOOR  
JOIST 16" O.C. w. SOLID  
BLOCKING MIDSPAN

3'6" MIN

11'10"

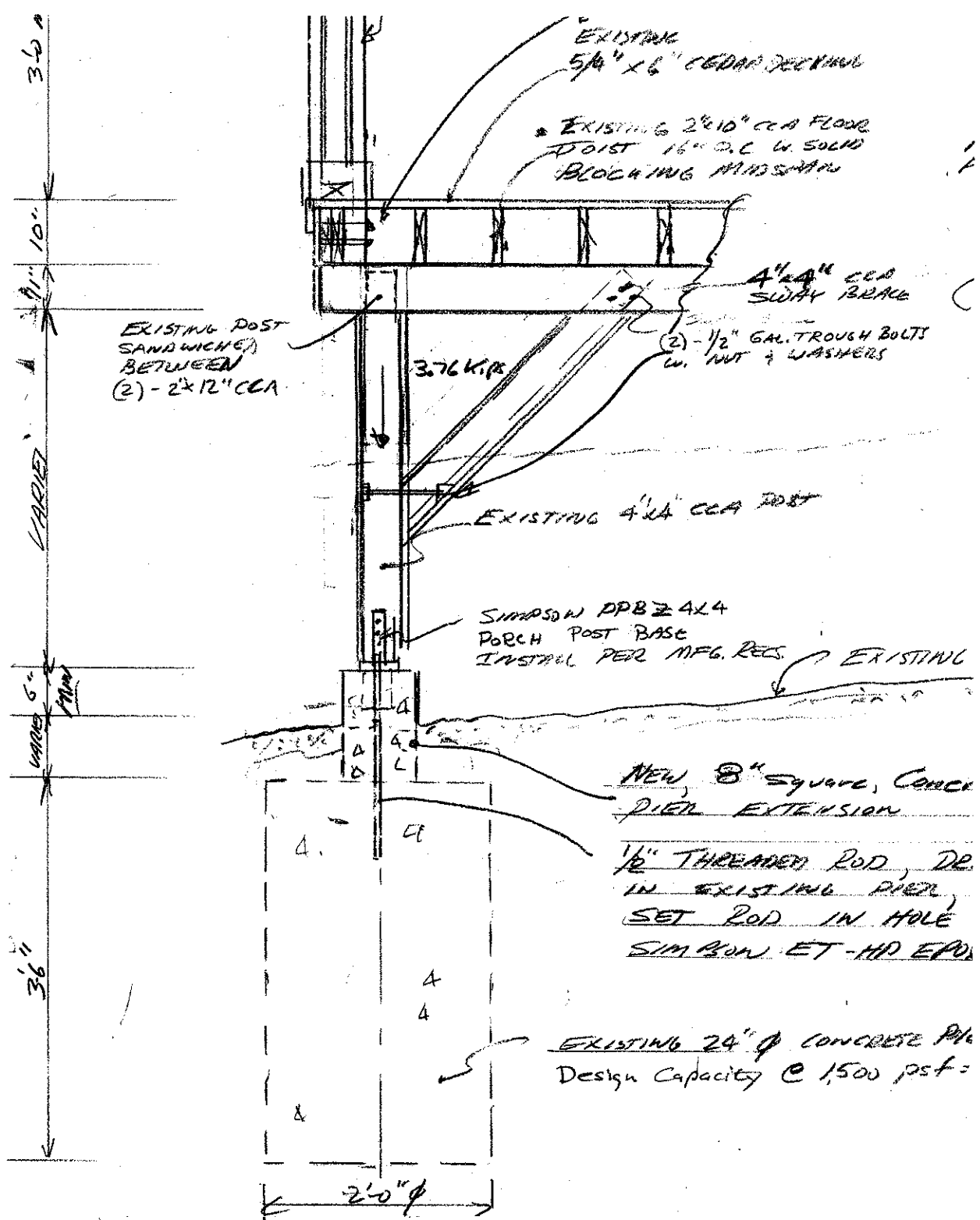
EXISTING POST  
SANDWICHED  
BETWEEN  
(2) - 2"x12" CCA

4"x4" CCA  
SWAY BRACE

(2) - 1/2" GAL. TROUGH BOLTS  
w. NUT & WASHERS

376 KIP

EXISTING 4"x4" CCA POST



# **CROSS-SECTION: A-A**

SCALE: 1" = 1'-0"

I have caused to be prepared  
best of my knowledge and  
all obligations; these drawings  
& amendments of the

Dated

ct  
0, 2018  
al Corporation

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Expires 11/30/2018  
Professional Design Firm  
Architect Corporation  
#184-002227  
Expires 04/30/2017

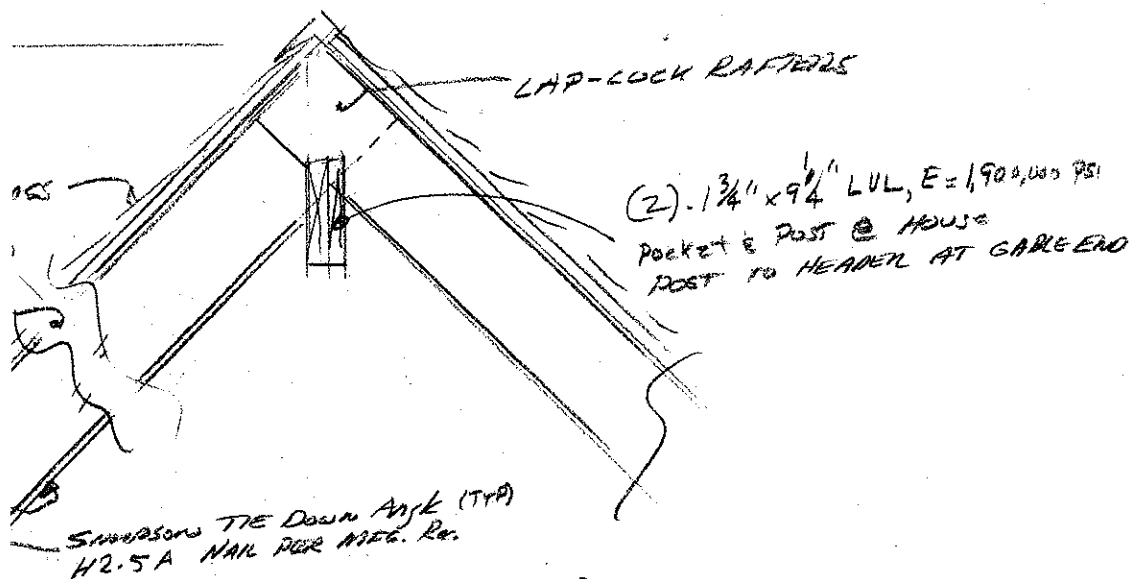
## **DECK CONVERSION TO SC**

### **Sheet 2 of 2**

**THE BELLOCK RESIDENCE**

1224 Stonebrier ct.

Naperville, IL 60527

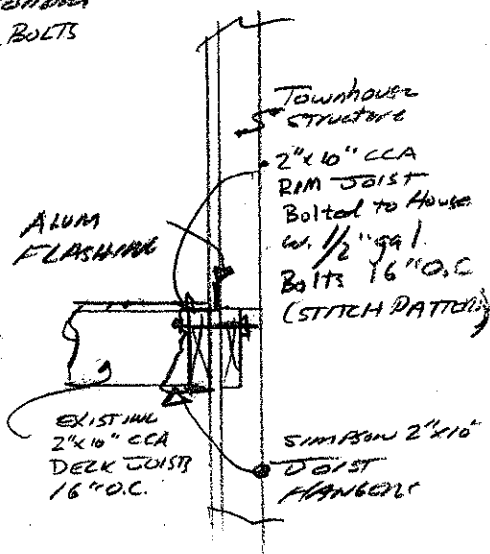
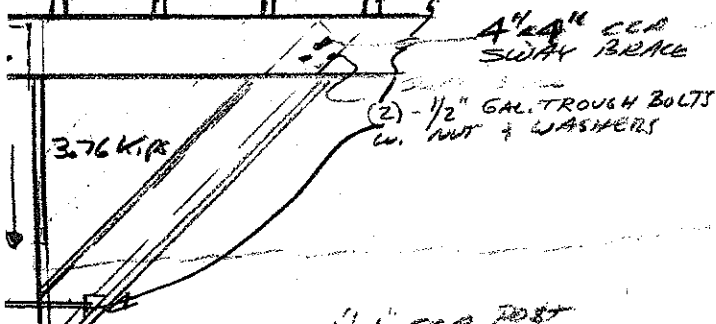


- (2) - 1 3/4" x 9 1/4" LVL (CONTINUOUS)  
E = 1,900,000 PSI
- SIMPSON (BEAM TO COLUMN TIE-DOWN) HRS-8 or EQUIVALENT  
FASTEN PER MFG. REQUIRED ATTACH-TYP. PER COL.
- 1" x 1" CEDAR STOPS (for screen)
- Fiberglass screen material (direct set)

1/2" CCA FRAMED LOW WALL  
w. 1/2" CCA SHEATHING (BOTH SIDES)  
CEDAR SIDING (BOTH SIDES) TO MATCH

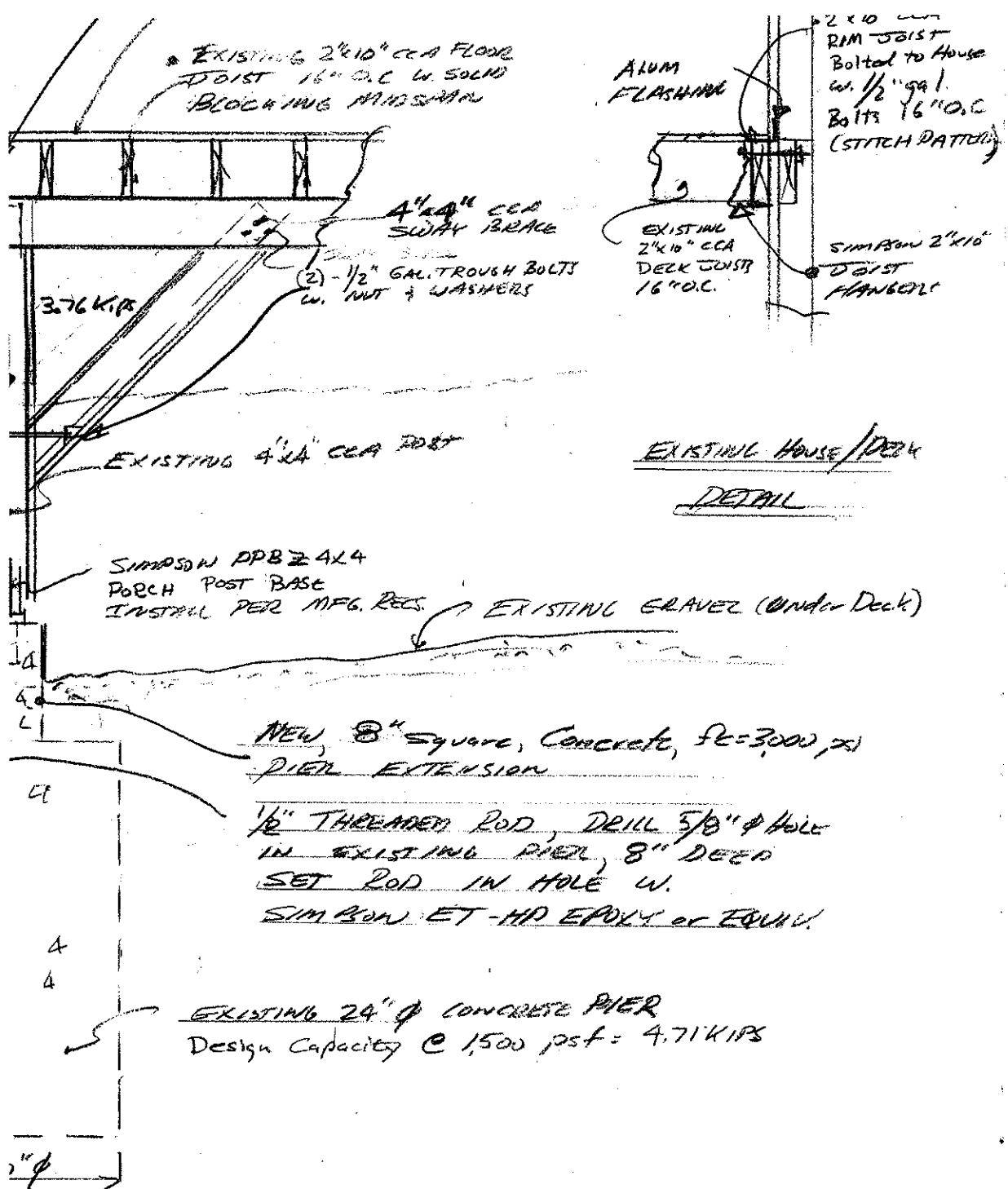
TYP. FLYDN COLUMN  
(SEE - DETAIL 'B, SAT 2)  
RUN COLUMN END TO JOIST BOTTOM  
& BOLT TROUGH WITH (2) 1/2" GAL. BOLTS  
EXISTING  
5/4" x 6" CEDAR JOIST

EXISTING 2"x10" CCA FLOOR  
JOIST 16" O.C. w. SOLID  
BLOCKING MIDSPAN



1 1/2" POST

EXISTING HOUSE / DECK



# **CROSS-SECTION: A-A**

SCALE: 1" = 1'-0"



2/2018  
esign Firm  
oration  
27  
/2017

## **DECK CONVERSION TO SCREENED PORCH**

Sheet 2 of 2

THE BELLOCK RESIDENCE

1224 Stonebrier ct.

Naperville, IL 60527