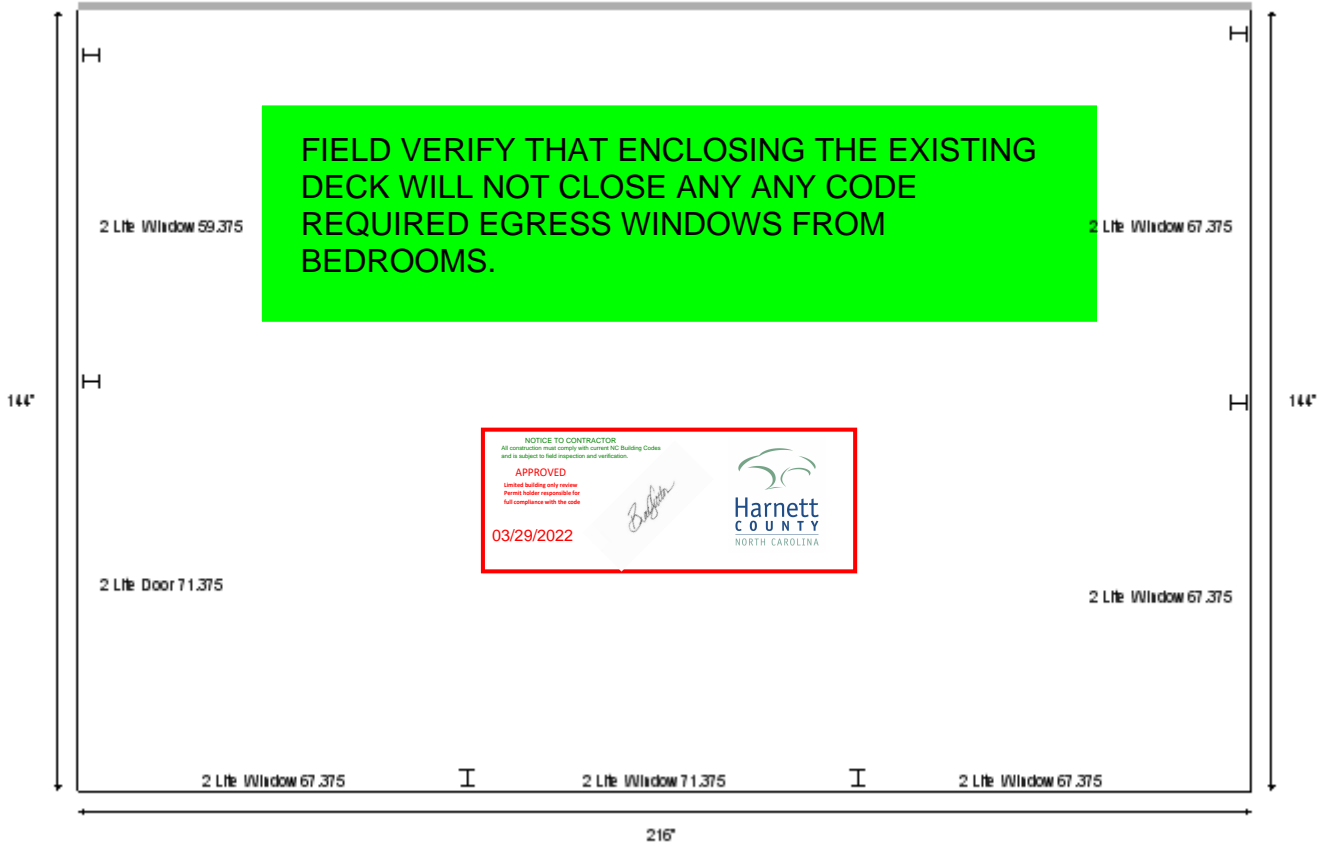
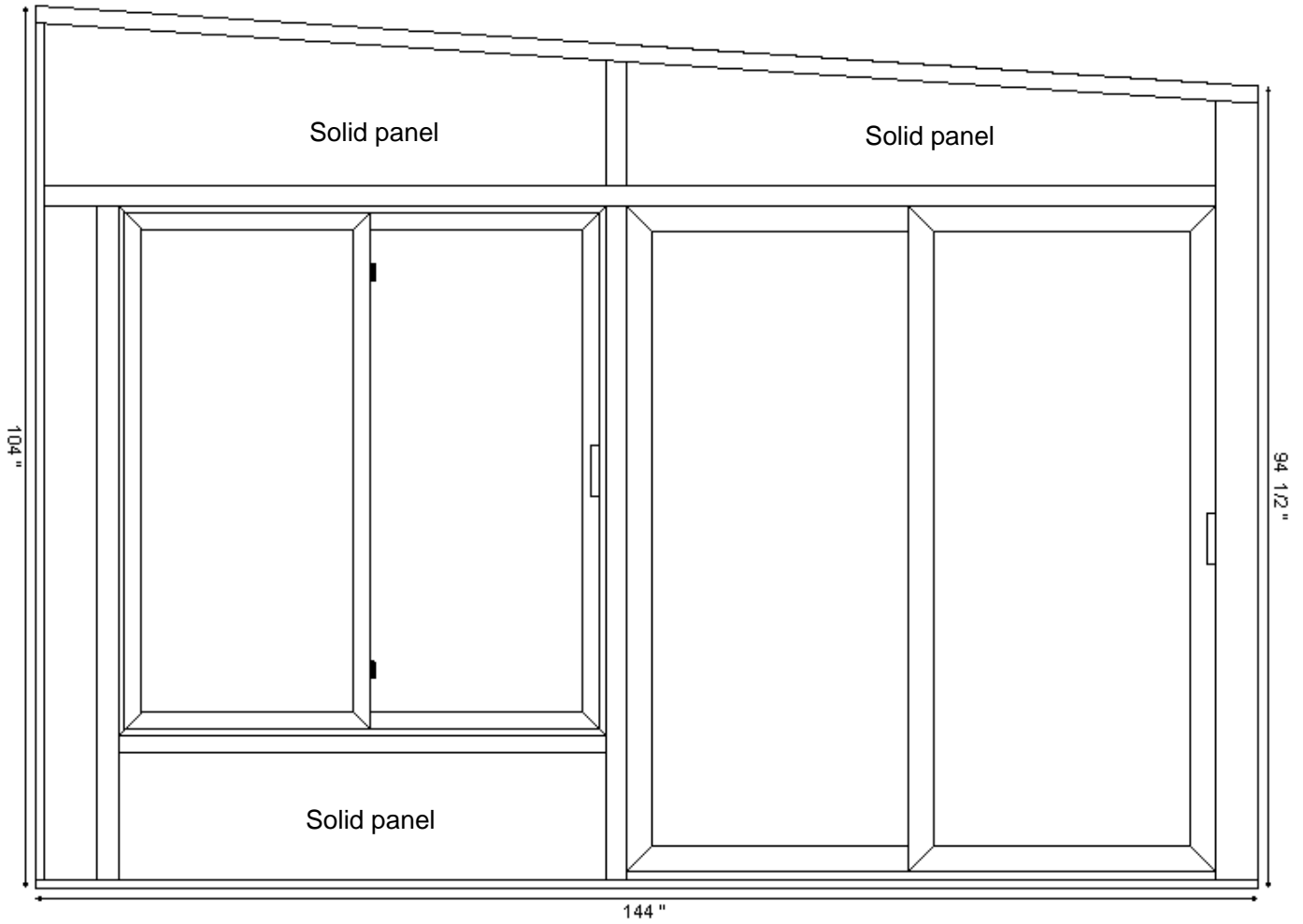


Floor Plan



| Dimensions |
|--------------------------|
| Attachment Height: 104 " |
| B Wall Height: 94.5062 " |
| B Wall Width: 216 " |
| A Wall Width: 144 " |
| C Wall Width: 144 " |
| Roof Overhang: 10 " |

A Wall



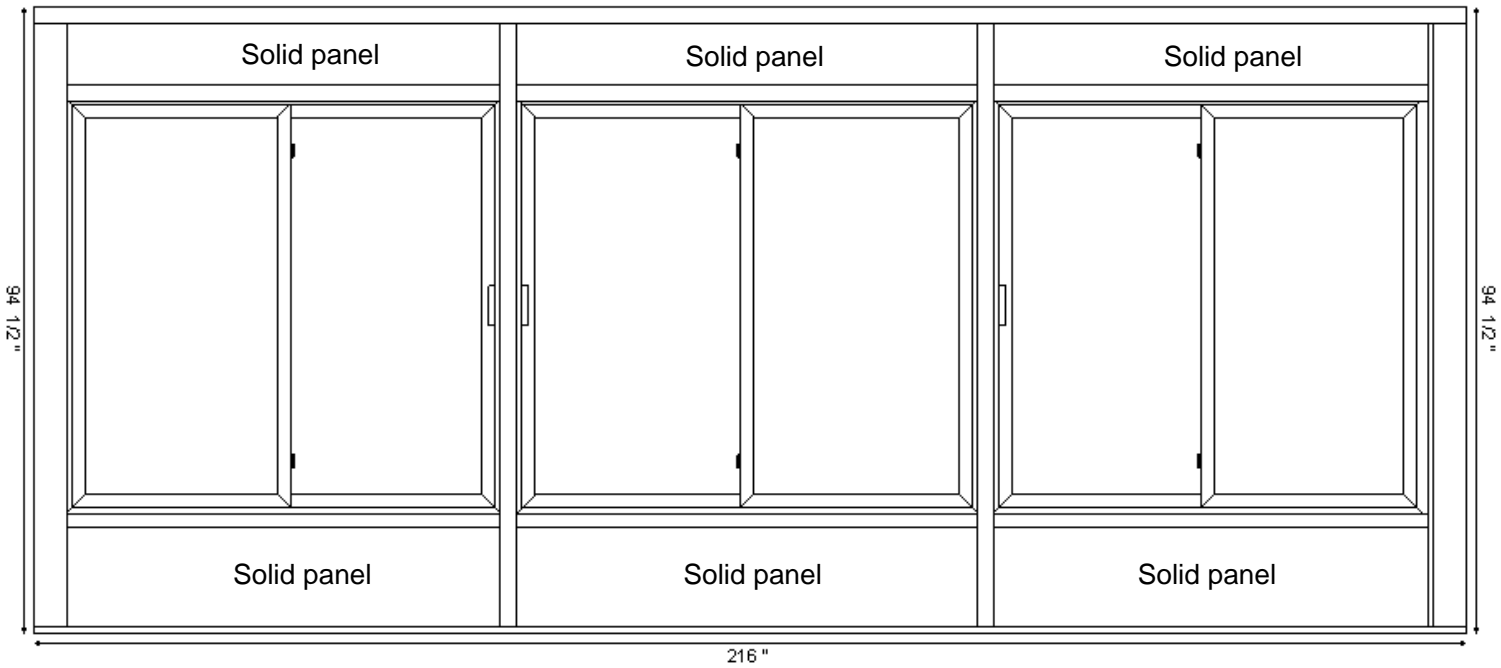
Dimensions

Attachment Height: 104 "
 B Wall Height: 94.5062 "
 A Wall Width: 144 "
 Roof Overhang: 10 "

Layout

0" (Fascia) + 8.25" (Foam) + 0.5" (THERMAL H) + 59.375" (2 Lite Window) + 0.5" (THERMAL H) + 71.375" (2 Lite Door) + 4" (Corner Post)

B Wall



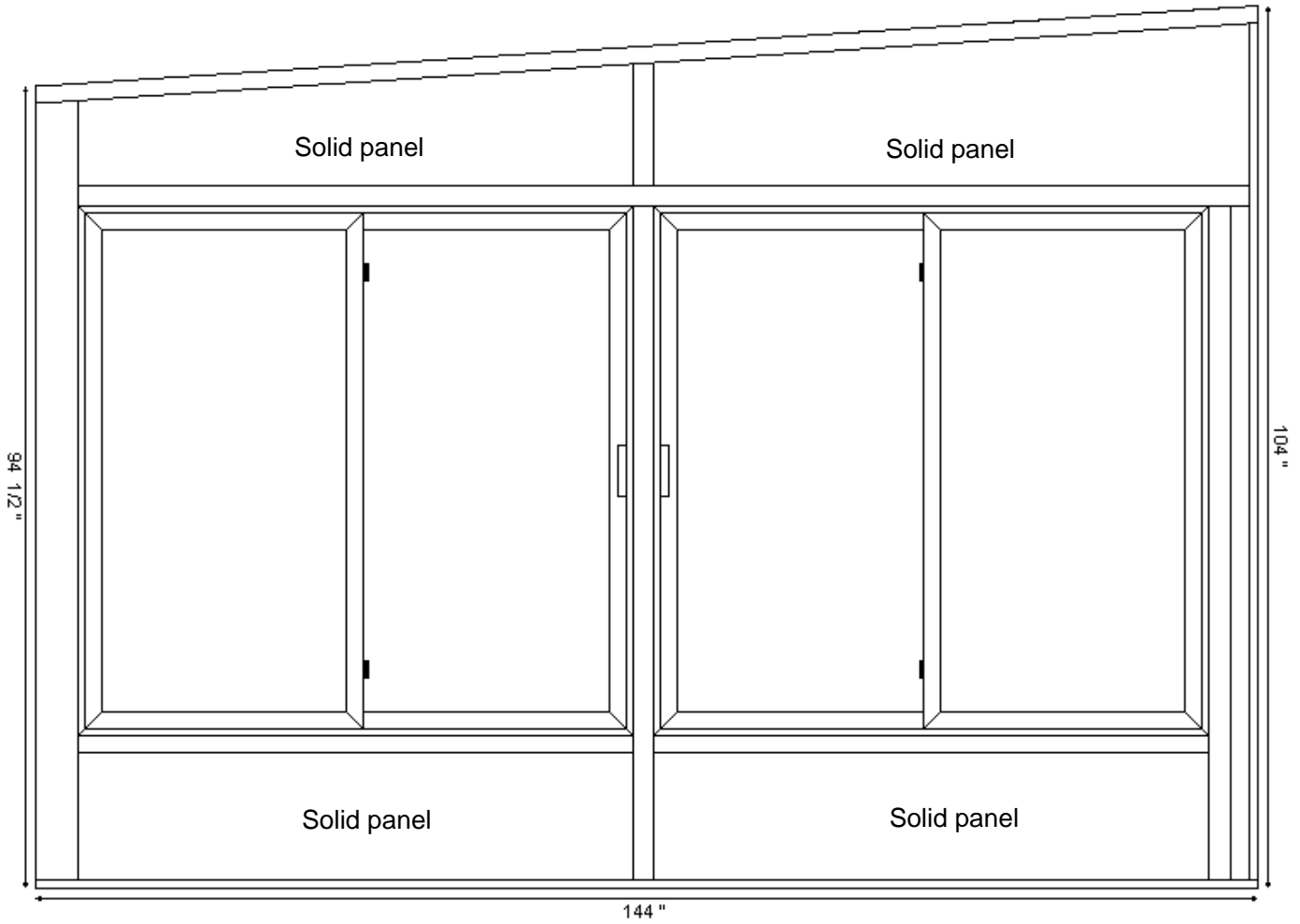
Dimensions

Attachment Height: 104 "
B Wall Height: 94.5062 "
B Wall Width: 216 "
Roof Overhang: 10 "

Layout

4" (Corner Post) + 67.375" (2 Lite Window) + 0.5" (THERMAL H) + 71.375" (2 Lite Window) + 0.5" (THERMAL H) + 67.375" (2 Lite Window) + 4" (Corner Post) + 0.875" (Remainder - No Fill)

C Wall



Dimensions

Attachment Height: 104 "
B Wall Height: 94.5062 "
C Wall Width: 144 "
Roof Overhang: 10 "

Layout

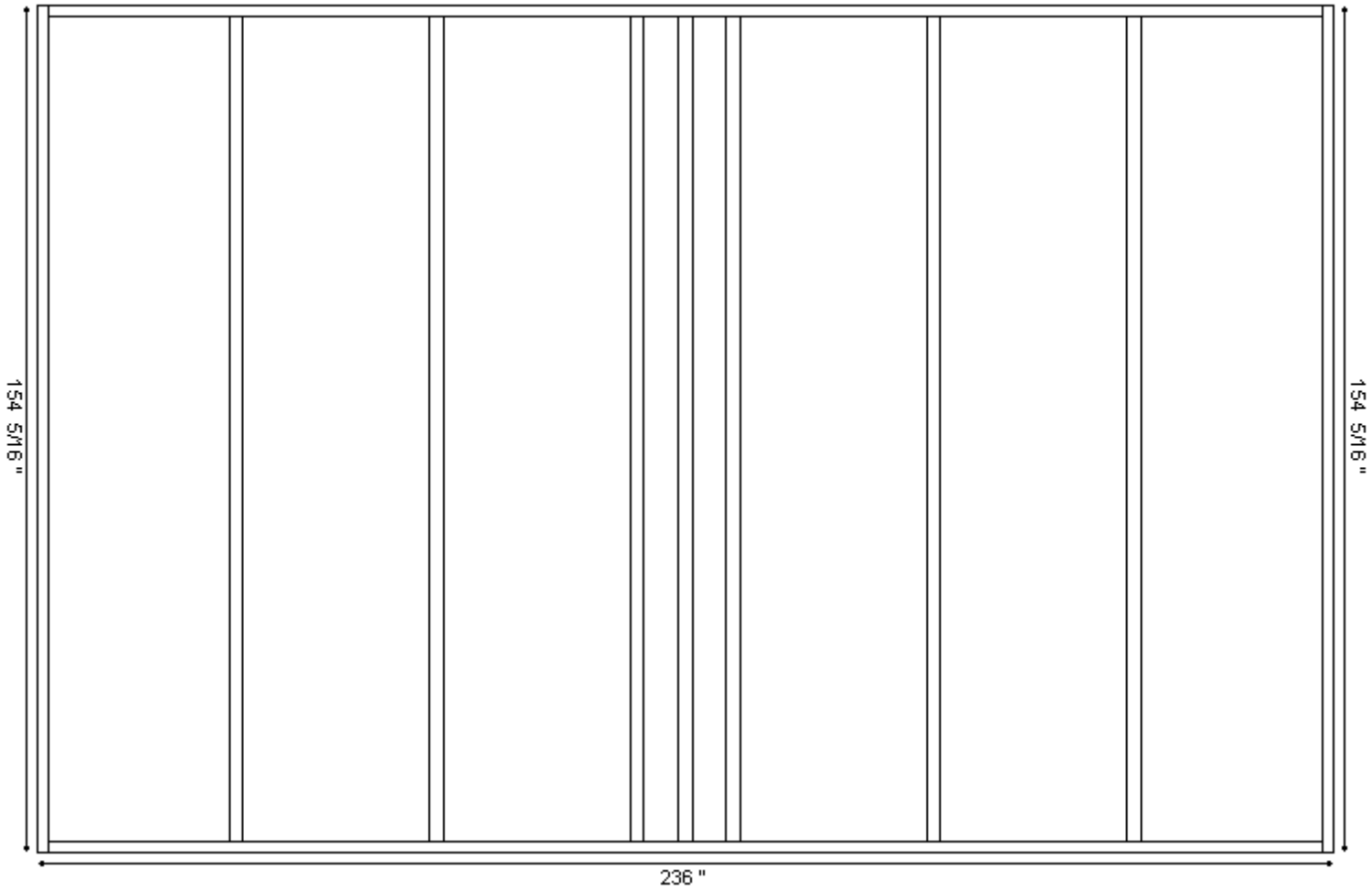
4" (Corner Post) + 67.375" (2 Lite Window) + 0.5" (THERMAL H) + 67.375" (2 Lite Window) + 0.5" (THERMAL H) + 4.25" (Foam) + 0" (Fascia)

ORDER NO: 3738

ITEM: 1

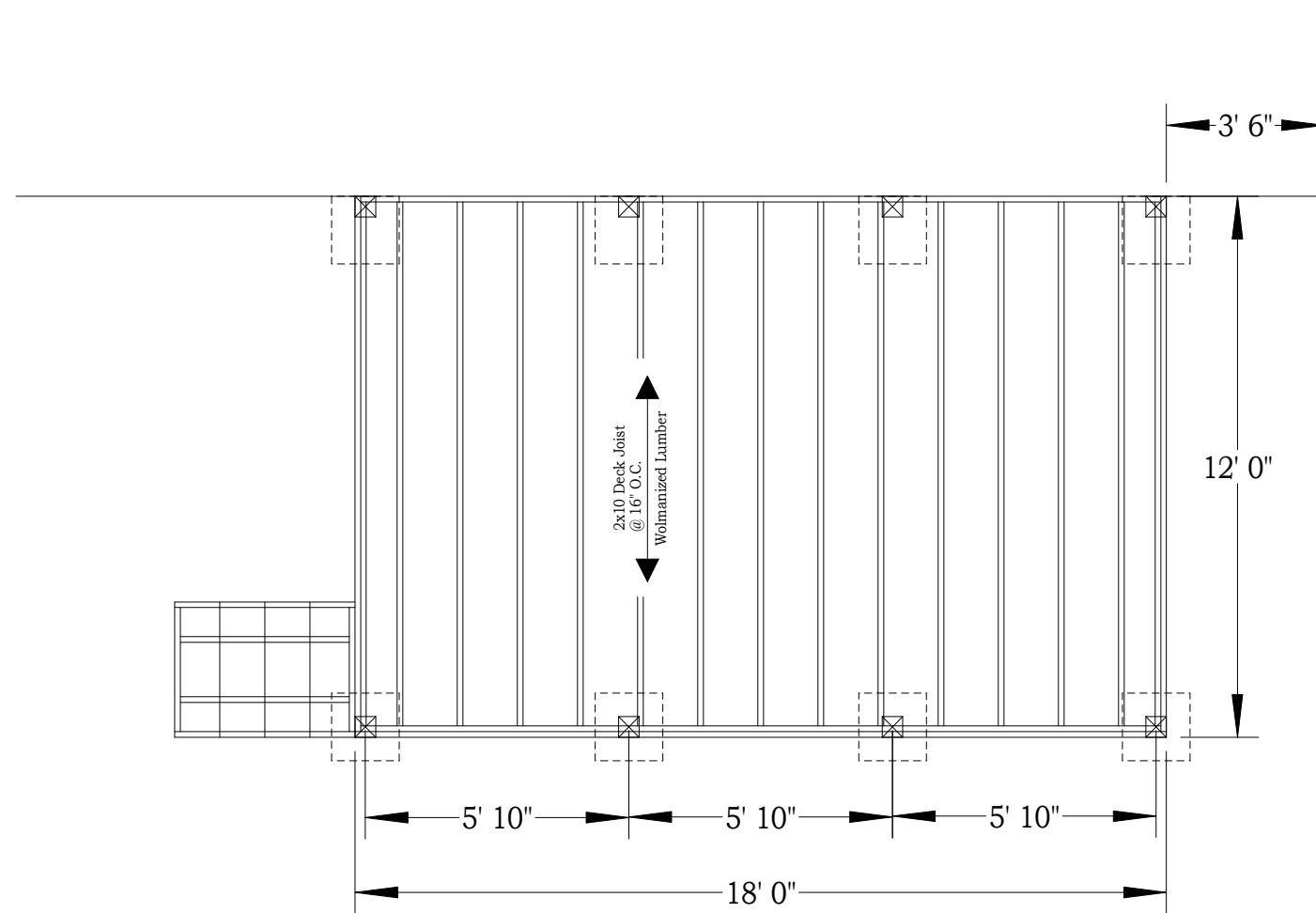
DATE: 03/18/22

Roof

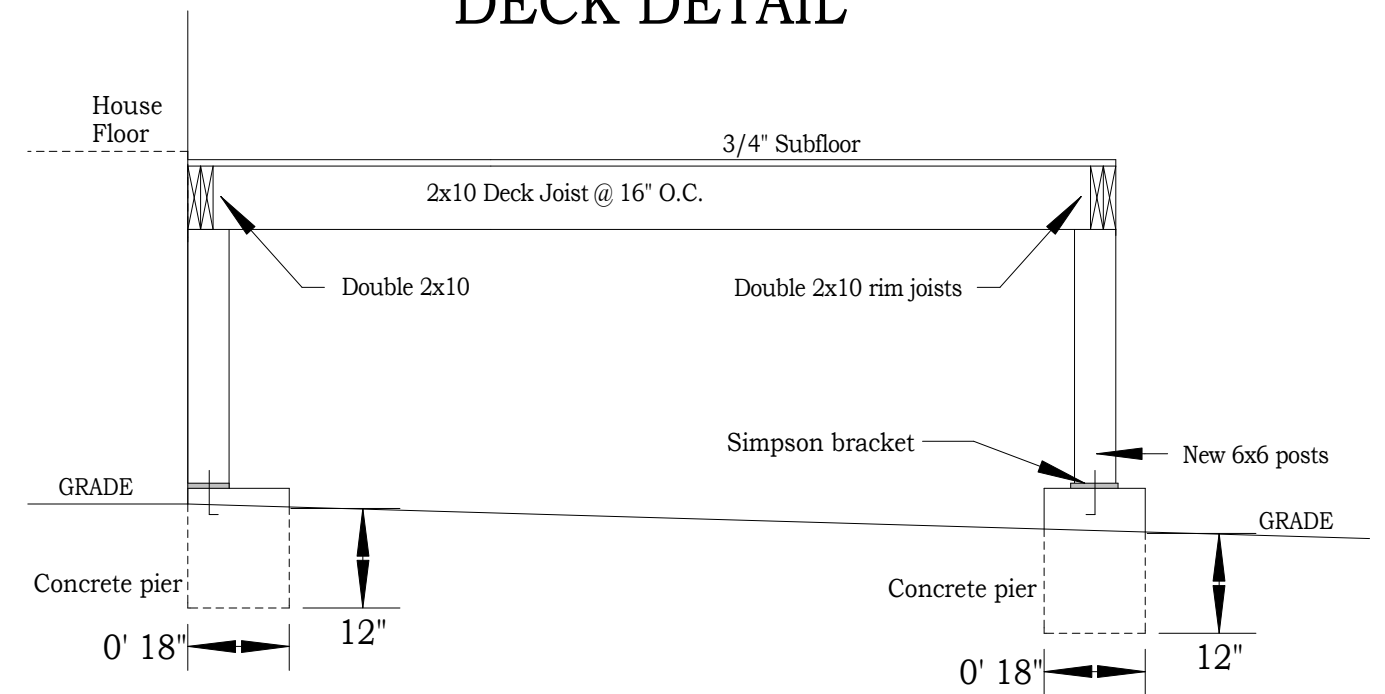


Dimensions

Attachment Height: 104 "
B Wall Height: 94.5062 "
B Wall Width: 216 "
A Wall Width: 144 "
C Wall Width: 144 "
Roof Overhang: 10 "



DECK DETAIL



CODES

2018 N.C. Residential Code

CHAMPION
 Modular aluminum construction.
 Seasonal, unheated, non-habitable space.
 3-SEASON window room with 365 glass
 Framing to be white aluminum.
 Exterior panel to be white.
 Interior panel to be white.
 All sashes & door glass to be tempered.

CHAMPION PATIO ROOMS
 4018 Patriot Dr. Suite 120
 Durham, NC 27703
 919-460-6632

PATIO ROOM MANAGER
 JOSH DELPIERRE

RESIDENCE
 Brian Grishaw
 72 Havistock Ct.
 Cameron, NC 28326
 910-574-5675

CUSTOMER ID NO.
 7000002055

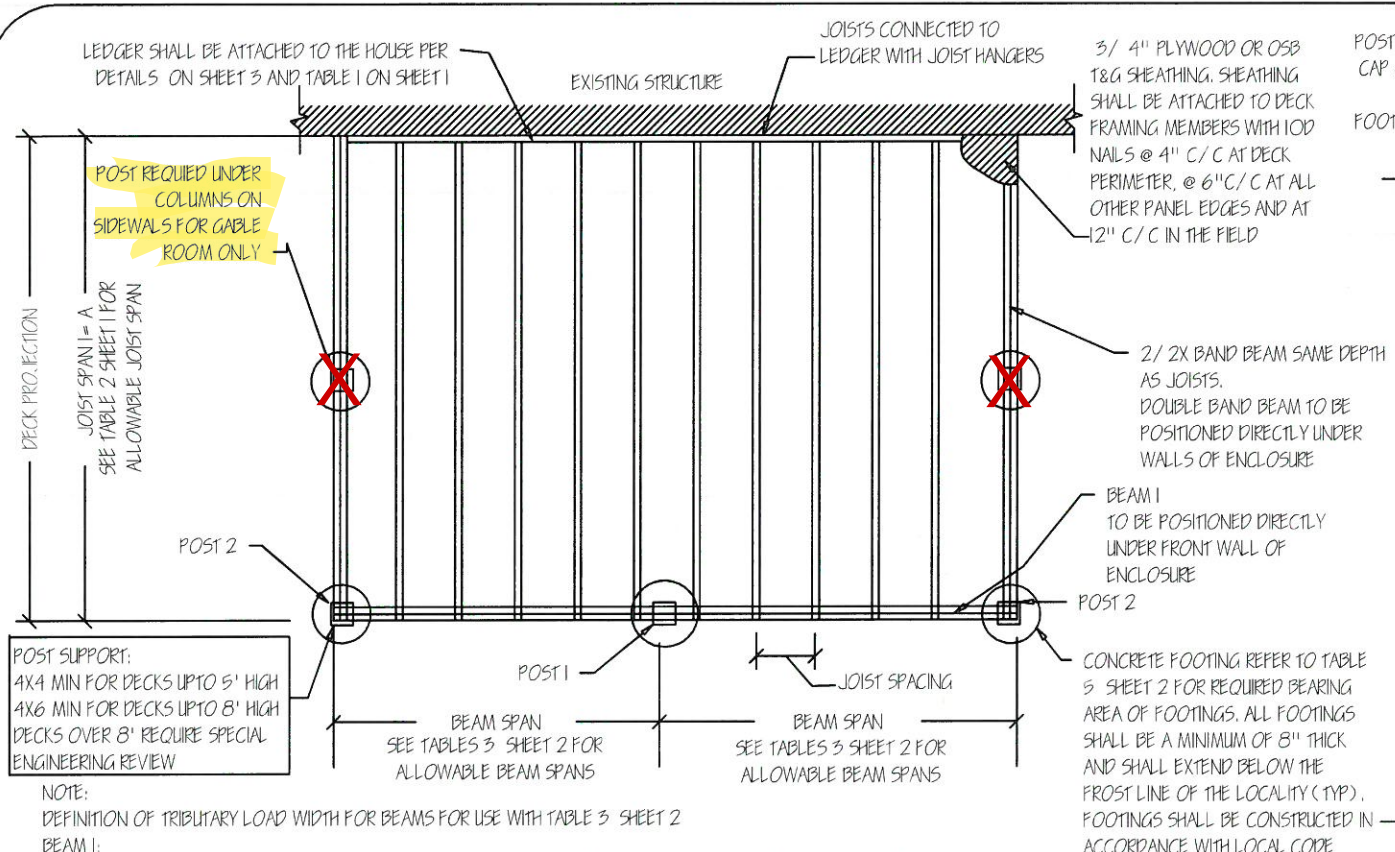
SCALE : 1/4" = 1'

DATE
 03/18/2022

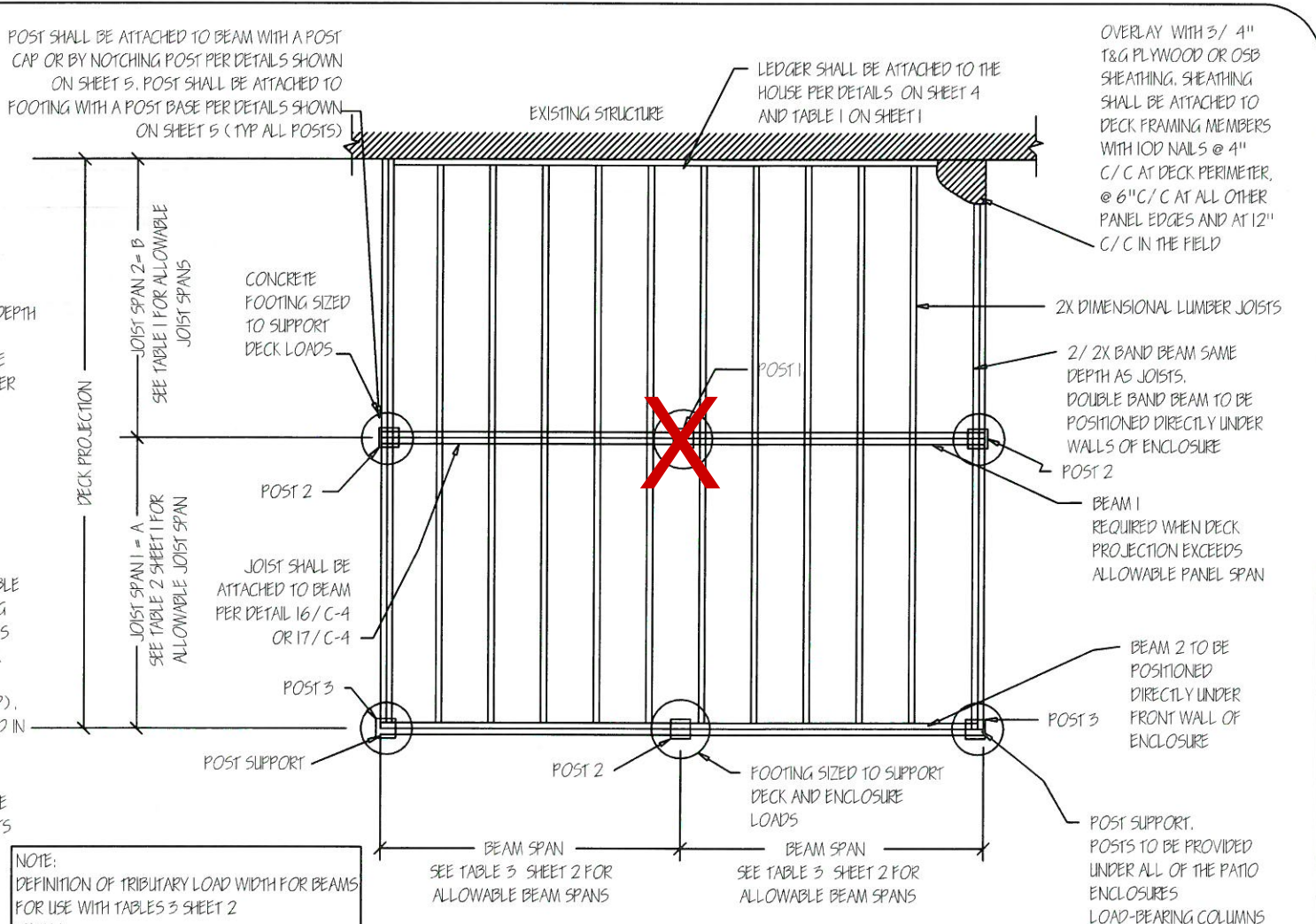
SHEET NO.
 1 of 1

NOTES

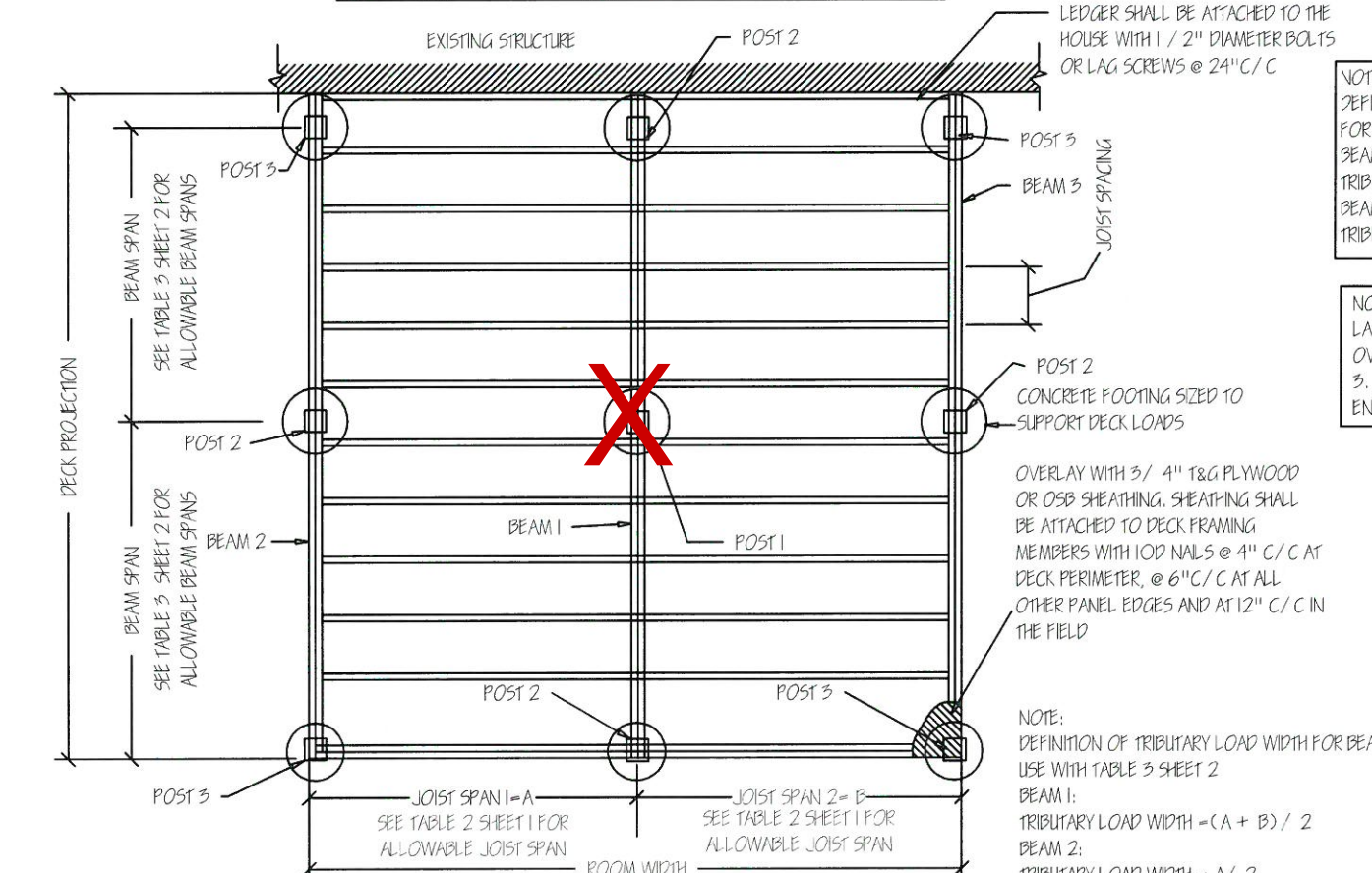
No egress issues per section R-310 of
 the 2018 NC Residential Code



PLAN 1: FLOOR PLAN WITH ONE BEAM SUPPORT



PLAN 2: FLOOR PLAN WITH TWO BEAM SUPPORTS



PLAN 3: FLOOR PLAN WITH THREE BEAM SUPPORTS

NOTE: LATERAL BRACING SHALL BE INSTALLED FOR DECKS OVER 4' IN HEIGHT PER THE DETAILS SHOWN ON SHEET 3. DECKS OVER 8' IN HEIGHT REQUIRE SPECIAL ENGINEERING

TABLE 1: MINIMUM REQUIRED LAG SCREW OR BOLTED CONNECTION BETWEEN 2X LEDGER AND EXISTING STRUCTURE

| PANEL SPAN (FT) | DECK LIVE LOAD | |
|-----------------|----------------------|--|
| | 40 LBS/ FT | |
| 7' | (2) - 5/8" @ 24" C/C | |
| 8' | (2) - 5/8" @ 16" C/C | |
| 9' | (2) - 5/8" @ 16" C/C | |
| 10' | (2) - 5/8" @ 16" C/C | |
| 12' | (2) - 5/8" @ 16" C/C | |
| 14' | (2) - 5/8" @ 16" C/C | |
| 16' | (2) - 5/8" @ 16" C/C | |

TABULATED VALUES BASED ON LUMBER WITH A SPECIFIC GRAVITY = 0.43
TABLE INCLUDES A DEAD LOAD = 10PSF

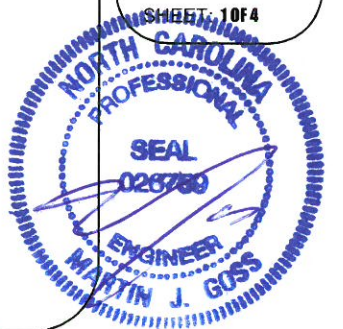
TABLE 2: ALLOWABLE JOIST SPANS

| SPECIES | JOIST SIZE | 40 PSF LIVE LOAD | | |
|---------------------------------|------------|------------------|---------|---------|
| | | 1'-0" | 1'-4" | 2'-0" |
| SOUTHERN PINE NO.2 | 2X6 | 10'-3" | 9'-4" | 7'-6" |
| | 2X8 | 13'-6" | 11'-10" | 9'-8" |
| DOUG FIR NO.2 | 2X10 | 16'-2" | 14'-0" | 11'-4" |
| | 2X12 | 19'-1" | 16'-6" | 13'-5" |
| | 2X6 | 10'-5" | 9'-0" | 7'-4" |
| HEM FIR No.2 SPF No.2 | 2X8 | 13'-2" | 11'-5" | 9'-4" |
| | 2X10 | 16'-1" | 13'-11" | 11'-4" |
| | 2X12 | 18'-8" | 16'-2" | 13'-2" |
| REDWOOD No.2 WESTERN CEDAR No.2 | 2X6 | 9'-2" | 8'-4" | 7'-2" |
| | 2X8 | 12'-3" | 11'-1" | 9'-1" |
| | 2X10 | 15'-6" | 13'-6" | 11'-1" |
| | 2X12 | 18'-2" | 15'-8" | 12'-10" |
| | 2X6 | 9'-2" | 8'-4" | 7'-3" |
| | 2X8 | 12'-1" | 11'-0" | 9'-2" |
| | 2X10 | 13'-9" | 13'-9" | 11'-3" |
| | 2X12 | 14'-4" | 16'-0" | 13'-0" |

CES
CHAMPION ENCLOSURE SUPPLIERS
 12111 CHAMPION WAY, CINCINNATI, OH 45241
 PH: (513) 782-3900 FAX: (513) 782-3903

CHAMPION WINDOWS AND PATIO ROOM
 PLANS AND DETAILS FOR A
 LUMBER DECK SUPPORTING A
 CHAMPION PATIO ROOM

DATE: JULY 3, 2019
 SCALE: NTS
 Drawn by: MIG
 REV: DATE:



7/26/2020

TABLE 3: MAXIMUM ALLOWABLE BEAM SPANS

| SPECIES | BEAM SIZE | 40 PSF LIVE LOAD | | | | | | | | | |
|--------------------|-----------|---------------------------|---------|--------|--------|--------|-------|--------|--------|--------|--|
| | | TRIBUTARY LOAD WIDTH (FT) | | | | | | | | | |
| | | 4'-0" | 5'-0" | 6'-0" | 7'-0" | 8'-0" | 9'-0" | 10'-0" | 11'-0" | 12'-0" | |
| SOUTHERN PINE NO.2 | 2/ 2X6 | 7'-1" | 6'-4" | 5'-9" | 5'-4" | 5'-0" | 4'-8" | ---- | ---- | ---- | |
| | 2/ 2X8 | 9'-0" | 8'-0" | 7'-4" | 6'-9" | 6'-4" | 6'-0" | 5'-8" | 5'-4" | 5'-2" | |
| | 2/ 2X10 | 10'-8" | 9'-6" | 8'-9" | 8'-0" | 7'-6" | 7'-1" | 6'-9" | 6'-4" | 6'-2" | |
| | 2/ 2X12 | 12'-6" | 11'-3" | 10'-3" | 9'-6" | 8'-10" | 8'-4" | 7'-11" | 7'-6" | 7'-3" | |
| | 4X6 | 7'-8" | 6'-10" | 6'-3" | 5'-9" | 5'-4" | 5'-1" | 4'-10" | 4'-6" | 4'-4" | |
| | 4X8 | 10'-2" | 9'-1" | 8'-4" | 7'-8" | 7'-2" | 6'-9" | 6'-4" | 6'-1" | 5'-10" | |
| | 4X10 | 12'-1" | 10'-10" | 9'-0" | 9'-1" | 8'-6" | 8'-0" | 7'-8" | 7'-3" | 7'-0" | |
| | 4X12 | 14'-3" | 12'-9" | 11'-6" | 10'-8" | 10'-0" | 9'-6" | 9'-0" | 8'-6" | 8'-2" | |

TABLE 3: MAXIMUM ALLOWABLE BEAM SPANS

| SPECIES | BEAM SIZE | 40 PSF LIVE LOAD | | | | | | | | | |
|-------------------------------------|-----------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | TRIBUTARY LOAD WIDTH (FT) | | | | | | | | | |
| | | 4'-0" | 5'-0" | 6'-0" | 7'-0" | 8'-0" | 9'-0" | 10'-0" | 11'-0" | 12'-0" | |
| REDWOOD NO.2/ WESTERN CEDAR NO.2 | 2/ 2X6 | 6'-9" | 6'-0" | 5'-6" | 5'-1" | 4'-9" | 4'-6" | ---- | ---- | ---- | |
| | 2/ 2X8 | 8'-6" | 7'-8" | 7'-0" | 6'-4" | 6'-0" | 5'-9" | 5'-4" | 5'-2" | 4'-11" | |
| | 2/ 2X10 | 10'-4" | 9'-4" | 8'-6" | 7'-11" | 7'-4" | 7'-0" | 6'-8" | 6'-3" | 6'-0" | |
| | 2/ 2X12 | 12'-2" | 10'-9" | 9'-11" | 9'-2" | 8'-7" | 8'-1" | 7'-8" | 7'-4" | 7'-0" | |
| | 4X6 | 7'-4" | 6'-6" | 5'-11" | 5'-6" | 5'-2" | 4'-10" | 4'-6" | 4'-5" | ---- | |
| | 4X8 | 9'-6" | 8'-6" | 7'-10" | 7'-3" | 6'-10" | 6'-4" | 6'-1" | 5'-10" | 5'-6" | |
| | 4X10 | 11'-10" | 10'-6" | 9'-8" | 9'-11" | 8'-4" | 7'-10" | 7'-5" | 7'-1" | 6'-10" | |
| | 4X12 | 13'-9" | 12'-4" | 11'-3" | 10'-4" | 9'-9" | 9'-2" | 8'-8" | 8'-3" | 7'-11" | |

TABLE 3: MAXIMUM ALLOWABLE BEAM SPANS

| SPECIES | BEAM SIZE | 40 PSF LIVE LOAD | | | | | | | | | |
|---|-----------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | TRIBUTARY LOAD WIDTH (FT) | | | | | | | | | |
| | | 4'-0" | 5'-0" | 6'-0" | 7'-0" | 8'-0" | 9'-0" | 10'-0" | 11'-0" | 12'-0" | |
| DOUG FIR NO.2/ SPF NO.2/ HEM FIR NO.2 | 2/ 2X6 | 6'-4" | 5'-7" | 5'-2" | 4'-9" | ---- | ---- | ---- | ---- | ---- | |
| | 2/ 2X8 | 8'-5" | 7'-7" | 6'-11" | 6'-4" | 6'-0" | 5'-7" | 5'-4" | 5'-1" | 4'-10" | |
| | 2/ 2X10 | 10'-4" | 9'-3" | 8'-4" | 7'-10" | 7'-3" | 6'-10" | 6'-6" | 6'-3" | 5'-11" | |
| | 2/ 2X12 | 12'-0" | 10'-8" | 9'-9" | 9'-1" | 8'-5" | 8'-0" | 7'-7" | 7'-3" | 6'-11" | |
| | 4X6 | 6'-10" | 6'-1" | 5'-7" | 5'-2" | 4'-10" | 4'-6" | ---- | ---- | ---- | |
| | 4X8 | 9'-0" | 8'-1" | 7'-4" | 6'-10" | 6'-4" | 6'-0" | 5'-8" | 5'-5" | 5'-2" | |
| | 4X10 | 11'-7" | 10'-5" | 9'-6" | 8'-2" | 8'-3" | 7'-9" | 7'-4" | 7'-0" | 6'-8" | |
| | 4X12 | 13'-7" | 12'-1" | 11'-1" | 10'-3" | 9'-7" | 9'-0" | 8'-7" | 8'-0" | 7'-10" | |

TABLE 4: AXIAL LOADS ON POSTS FOR 40PSF LIVE LOAD + 10PSF DEAD LOAD, FROM DECK ONLY

| DECK PROJECTION (FT) | AXIAL LOADS ON POST 1 (LBS) | | | | | | | | | | | | |
|----------------------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| | DECK WIDTH (FT) | | | | | | | | | | | | |
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 10 | 1250 | 1375 | 1500 | 1625 | 1750 | 1875 | 2000 | 2125 | 2250 | 2375 | 2500 | 2625 | 2750 |
| 11 | 1375 | 1513 | 1650 | 1788 | 1925 | 2063 | 2200 | 2338 | 2475 | 2613 | 2750 | 2888 | 3025 |
| 12 | 1500 | 1650 | 1800 | 1950 | 2100 | 2250 | 2400 | 2550 | 2700 | 2850 | 3000 | 3150 | 3300 |
| 13 | 1625 | 1788 | 1950 | 2113 | 2275 | 2438 | 2600 | 2763 | 2925 | 3088 | 3250 | 3413 | 3575 |
| 14 | 1750 | 1925 | 2100 | 2275 | 2450 | 2625 | 2800 | 2975 | 3150 | 3325 | 3500 | 3675 | 3850 |
| 15 | 1875 | 2063 | 2250 | 2438 | 2625 | 2813 | 3000 | 3188 | 3375 | 3563 | 3750 | 3938 | 4125 |
| 16 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 | 3800 | 4000 | 4200 | 4400 |
| 17 | 2125 | 2338 | 2550 | 2763 | 2975 | 3188 | 3400 | 3613 | 3825 | 4038 | 4250 | 4463 | 4675 |
| 18 | 2250 | 2475 | 2700 | 2925 | 3150 | 3375 | 3600 | 3825 | 4050 | 4275 | 4500 | 4725 | 4950 |

NOTE:
 TABLE 4 SHOWS AXIAL LOADS FOR POST 1 AS DETAILED IN PLAN 1, PLAN 2 AND PLAN 3 SHEET 1
 FOR ALL PLAN 1 1 CONFIGURATIONS AND PLAN 2 AND PLAN 3 CONFIGURATIONS WHERE PANEL SPAN A AND B ARE EQUAL
 AXIAL LOADS ON POST 2 = TABULATED VALUES DIVIDED BY TWO
 AXIAL LOADS ON POST 3 = TABULATED VALUES DIVIDED BY FOUR
 TABLE DOES NOT INCLUDE ENCLOSURE COLUMN LOADS. THESE CAN BE OBTAINED FROM TABLE 4 FOR LOAD BEARING COLUMNS AND FROM THE ENGINEERING PACKAGE FOR THE ROOM FOR RIDGE POST LOADS.

TABLE 5: PATIO ROOM COLUMN AXIAL LOADS (LBS)

| PATIO ROOM ROOF SPAN (FT) | CHAMPION PATIO ROOM LOAD BEARING COLUMN SPACING (FT) | | | | | | | | |
|---------------------------|--|------|------|------------------|------|------|-------------------|------|------|
| | ROOF LOAD: 20PSF | | | ROOF LOAD: 30PSF | | | ROOF LOAD: 40 PSF | | |
| | 4' | 6' | 8' | 4' | 6' | 8' | 4' | 6' | 8' |
| 8 | 460 | 690 | 920 | 660 | 990 | 1320 | 860 | 1290 | 1720 |
| 10 | 552 | 828 | 1104 | 792 | 1188 | 1584 | 1032 | 1548 | 2064 |
| 12 | 644 | 966 | 1288 | 924 | 1386 | 1848 | 1204 | 1806 | 2408 |
| 14 | 736 | 1104 | 1472 | 1056 | 1584 | 2112 | 1376 | 2064 | 2752 |
| 16 | 828 | 1242 | 1656 | 1188 | 1782 | 2376 | 1548 | 2322 | 3096 |
| 18 | 920 | 1380 | 1840 | 1320 | 1980 | 2640 | 1720 | 2580 | 3440 |
| 20 | 1012 | 1518 | 2024 | 1452 | 2178 | 2904 | 1892 | 2838 | 3784 |

NOTE:
 1. THE AXIAL LOADS PRESENTED IN THIS TABLE ARE FOR THE LOAD BEARING COLUMNS IN A CHAMPION PATIO ROOM USING CHAMPION'S STANDARD SANDWICH PANEL ROOF ONLY.
 2. FOR PATIO ROOMS UTILIZING CHAMPION'S OSB ROOF PANELS, THE INPUT ROOF LOAD VALUE SHALL BE THE DESIGN ROOF SNOW LOAD PLUS 5PSF.
 3. THIS TABLE DOES NOT APPLY TO THE PATIO ROOM RIDGE POST. THE RIDGE POST LOADS SHALL BE DETERMINED FROM THE CHAMPION PATIO ENCLOSURE ENGINEERING PACKAGE.
 4. LINEAR INTERPOLATION IS PERMITTED.

TABLE 6: REQUIRED FOOTING SIZE

| ALLOWABLE SOIL BEARING CAPACITY | AXIAL LOADS ON POST (LBS) | | | | | | | | |
|---------------------------------|---------------------------|------|------|------|------|------|------|------|------|
| | 500 | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 5000 |
| 1000 | 12"Ø | 14"Ø | 17"Ø | 20"Ø | 22"Ø | 24"Ø | 26"Ø | 28"Ø | 31"Ø |
| 1500 | 12"Ø | 12"Ø | 14"Ø | 16"Ø | 18"Ø | 20"Ø | 21"Ø | 23"Ø | 25"Ø |
| 2000 | 12"Ø | 12"Ø | 12"Ø | 14"Ø | 16"Ø | 17"Ø | 18"Ø | 20"Ø | 22"Ø |
| 2500 | 12"Ø | 12"Ø | 12"Ø | 13"Ø | 14"Ø | 15"Ø | 17"Ø | 18"Ø | 20"Ø |
| 3000 | 12"Ø | 12"Ø | 12"Ø | 12"Ø | 13"Ø | 14"Ø | 15"Ø | 16"Ø | 20"Ø |
| 3500 | 12"Ø | 12"Ø | 12"Ø | 12"Ø | 13"Ø | 13"Ø | 14"Ø | 15"Ø | 18"Ø |
| 4000 | 12"Ø | 12"Ø | 12"Ø | 12"Ø | 12"Ø | 12"Ø | 12"Ø | 14"Ø | 17"Ø |

NOTE:
 1. AXIAL LOADS SHALL BE THE COMBINATION OF DECK LOADS FROM TABLE 4 PLUS THE PATIO ENCLOSURE LOADS DETERMINED FROM TABLE 5 FOR LOAD BEARING COLUMNS.
 2. RIDGE POST LOADS MUST BE DETERMINED FROM THE ENCLOSURE ENGINEERING PACKAGE.
 3. FOOTINGS THAT ARE FOUNDED LESS THAN 18" BELOW GRADE SHALL BE A MINIMUM 18" X 18" X 12" THICK.

CHAMPION ENCLOSURE SUPPLIERS
 12111 CHAMPION WAY, CINCINNATI, OH 45241
 PH: (513) 782-3900 FAX: (513) 782-3903

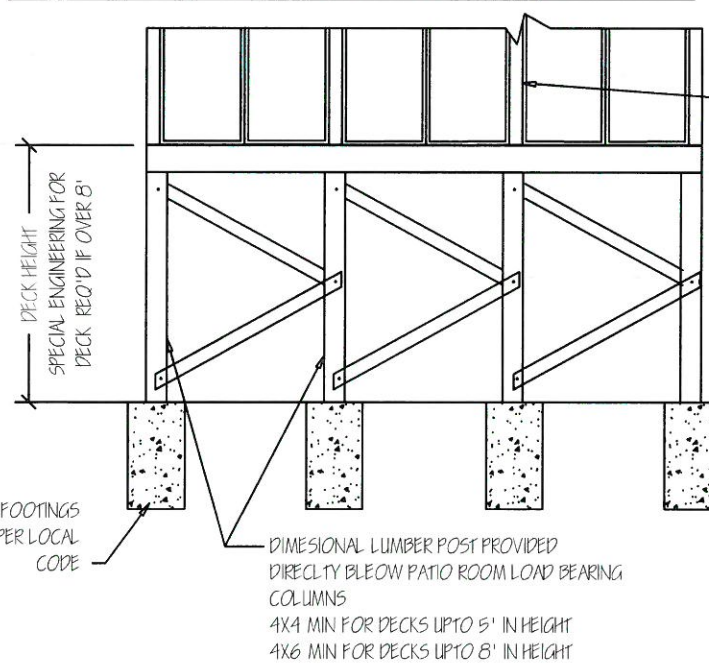
CHAMPION WINDOWS AND PATIO ROOM
 PLANS AND DETAILS FOR A
 LUMBER DECK SUPPORTING A
 CHAMPION PATIO ROOM

DATE: OCT 15, 2019
 SCALE: NTS
 Drawn by: MIG
 REV: DATE:
 SHEET: 2 OF 4

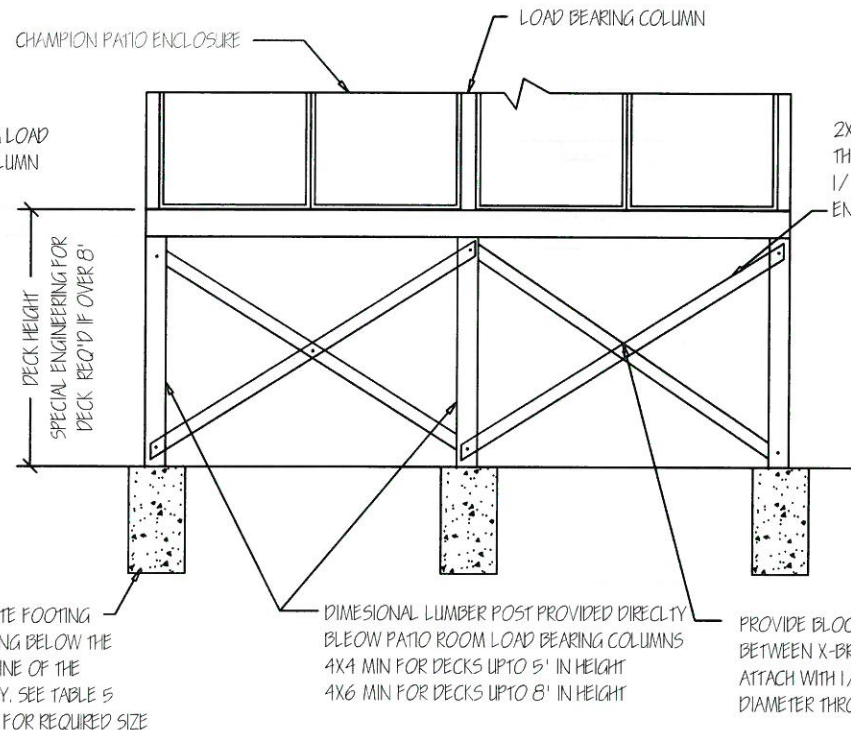


2/26/2020

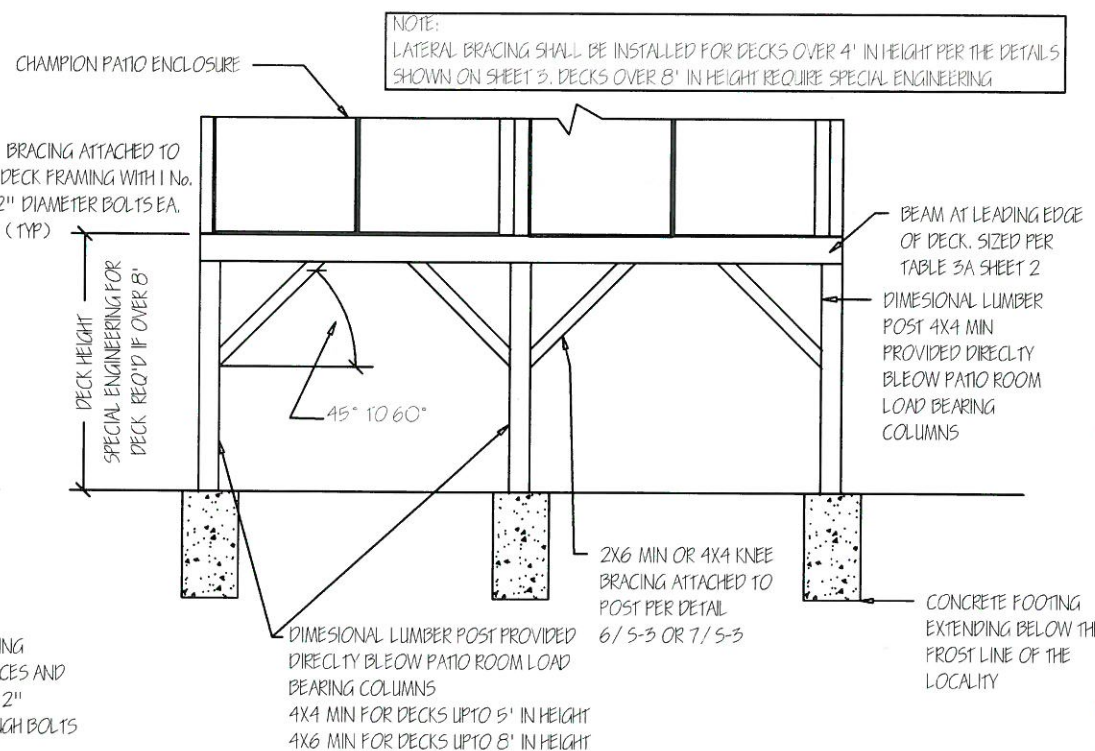
NOTE: LATERAL BRACING SHALL BE INSTALLED FOR DECKS OVER 4' IN HEIGHT PER THE DETAILS SHOWN ON SHEET 3. DECKS OVER 8' IN HEIGHT REQUIRE SPECIAL ENGINEERING



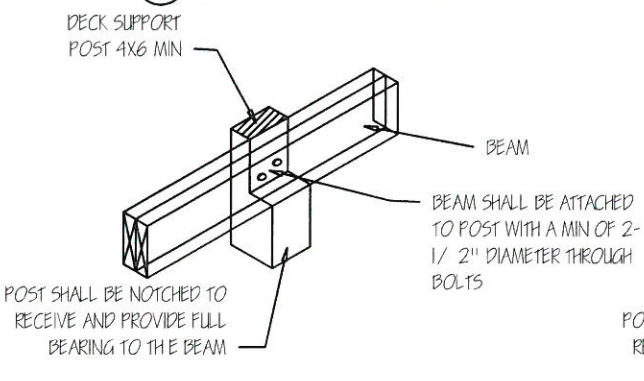
1 K-BRACING ELEVATION



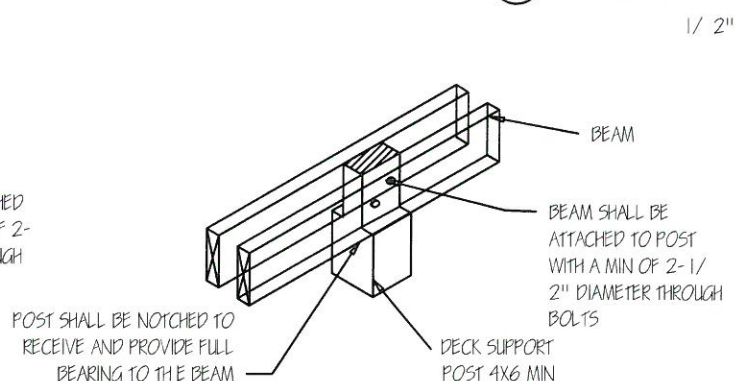
2 X-BRACING ELEVATION



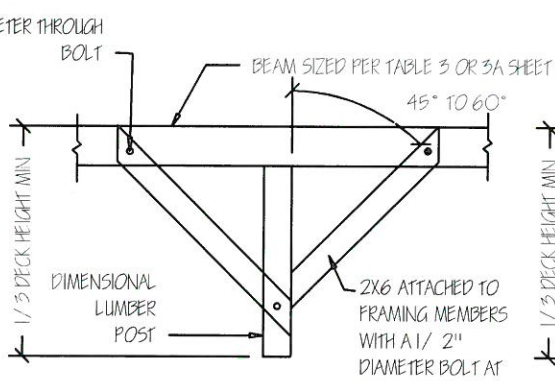
3 KNEE BRACING DETAIL



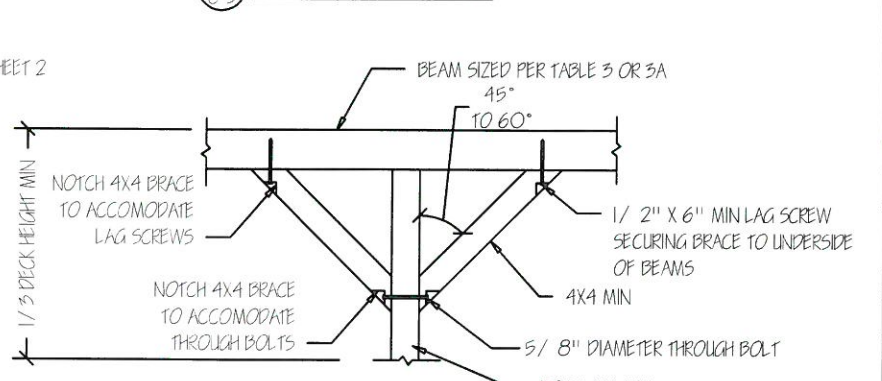
4 POST TO BEAM CONNECTION DETAIL 1



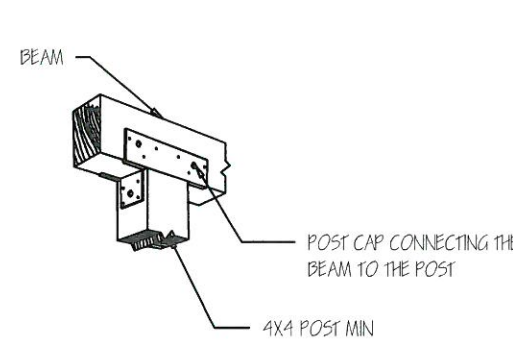
5 POST TO BEAM CONNECTION DETAIL 2



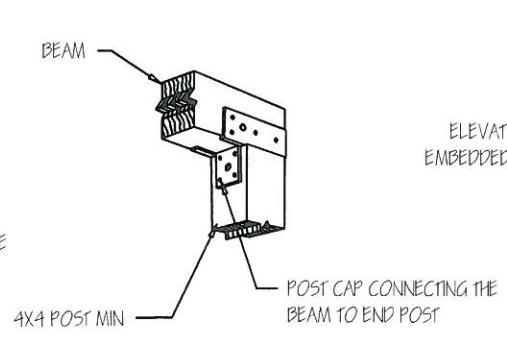
6 KNEE BRACING DETAIL OPTION 1



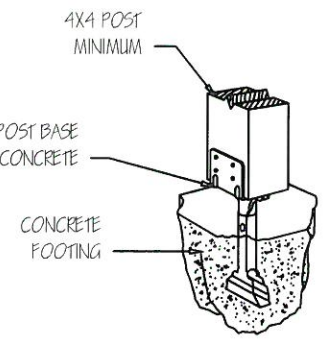
7 KNEE BRACING DETAIL OPTION 2



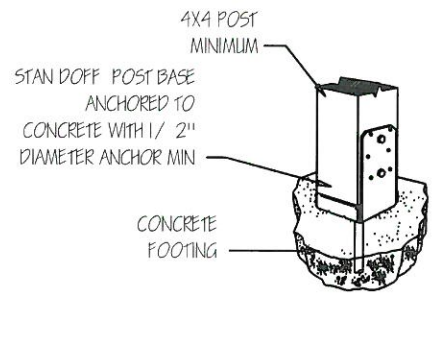
8 POST TO BEAM CONNECTION DETAIL 3



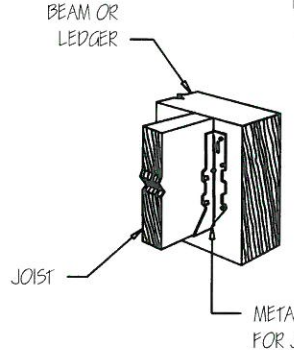
9 END POST TO BEAM CONNECTION DETAIL



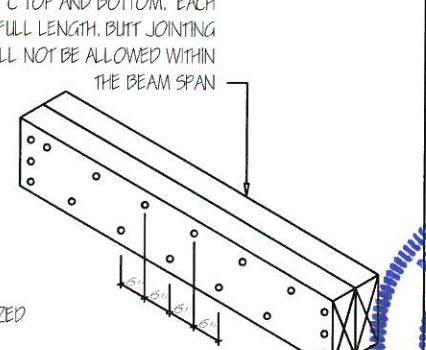
10 POST TO FOOTING CONNECTION DETAIL 1



11 POST TO FOOTING CONNECTION DETAIL 2



12 JOIST TO HEADER/LEDGER CONNECTION DETAIL



13 NAILING PATTERN FOR NAIL LAMINATED BEAMS

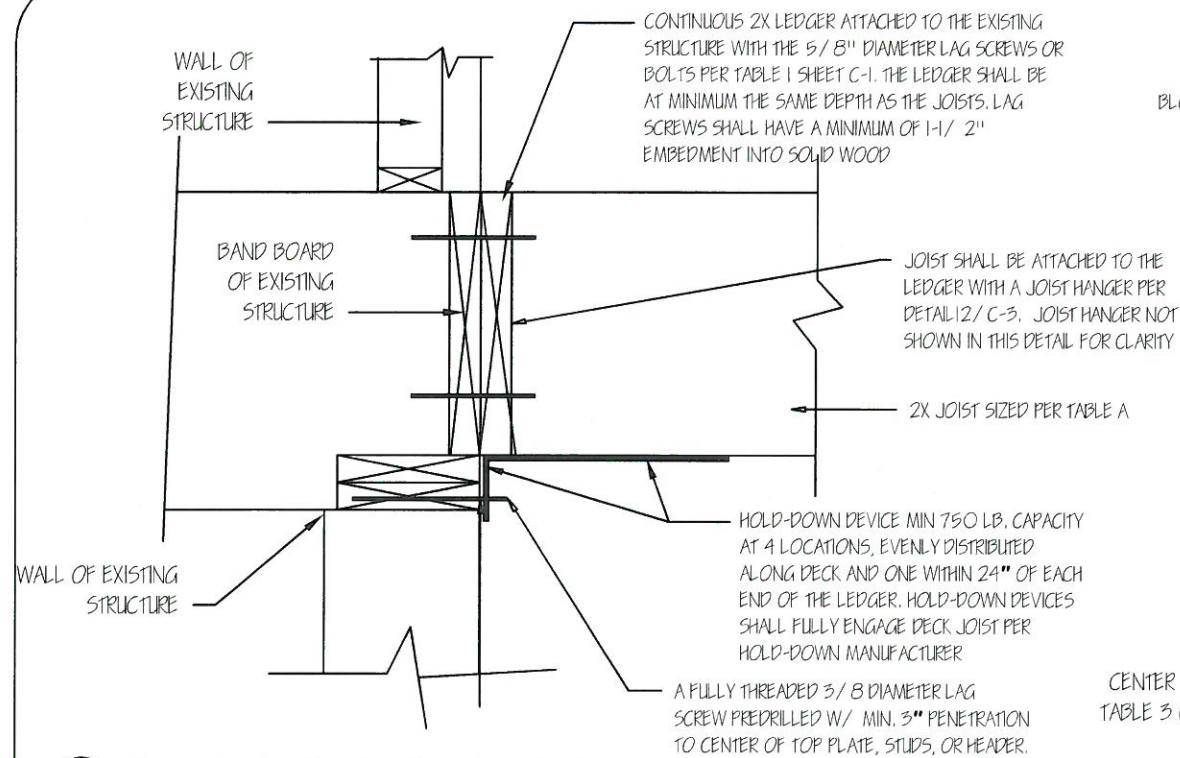
CHES
CHAMPION ENCLOSURE SUPPLIERS
 12111 CHAMPION WAY, CINCINNATI, OH 45241
 PH: (513) 782-3900 FAX: (513) 782-3903

CHAMPION WINDOWS AND PATIO ROOM
 PLANS AND DETAILS FOR A
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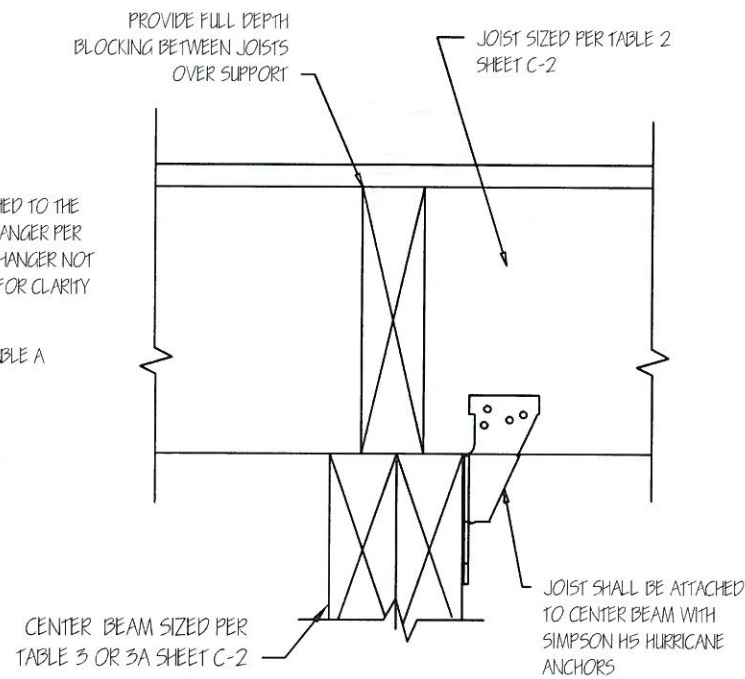
DATE: JULY 3, 2019
 SCALE: NTS
 Drawn by: MIG
 REV: DATE:
 SHEET: 3 OF 4



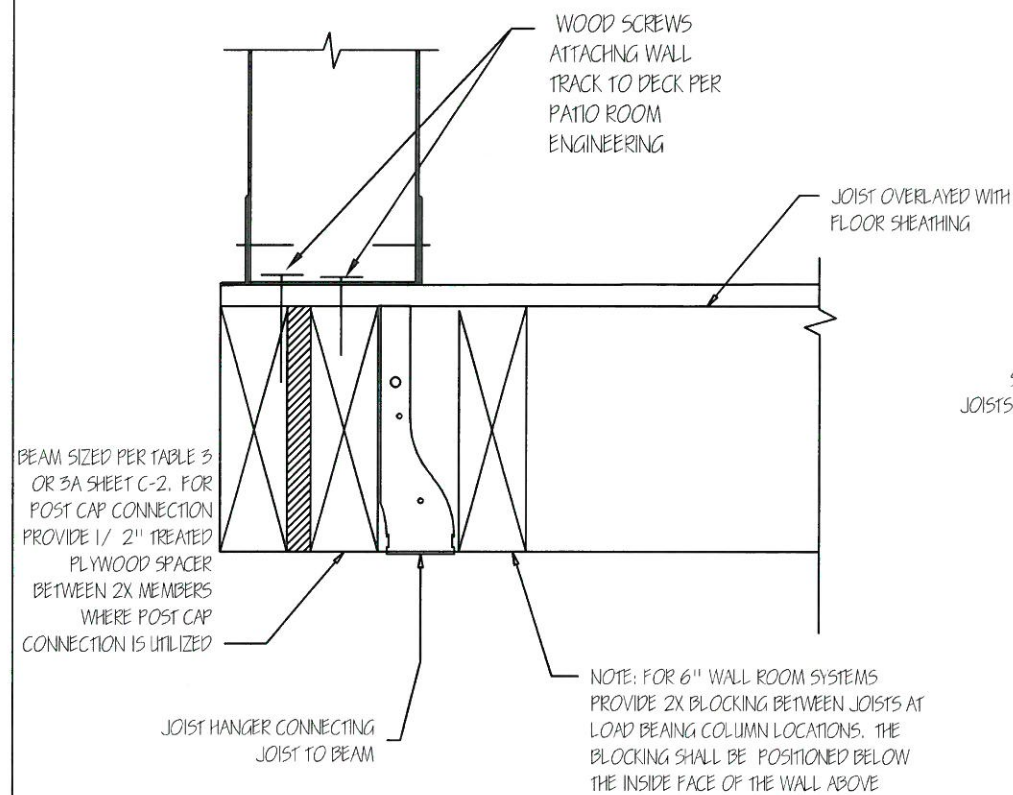
2/26/2020



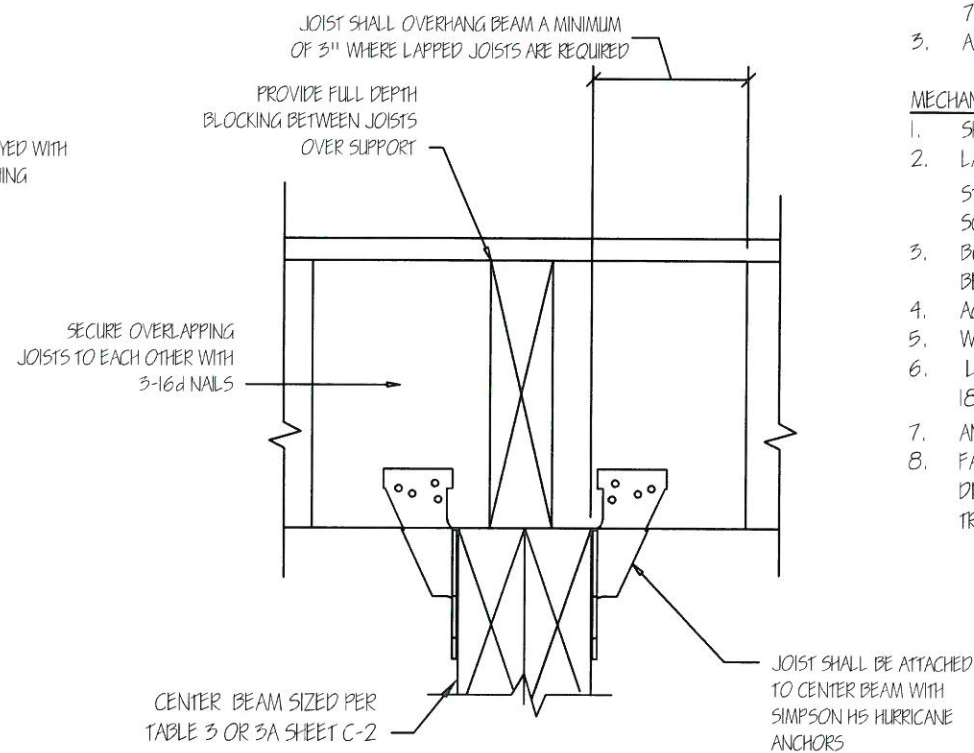
14
C-4 DECK TO HOUSE CONNECTION DETAIL



16
C-4 CONNECTION DETAIL AT CENTER BEAM



15
C-4 CONNECTION DETAIL FOR BEAM AT DECK PERIMETER



17
C-4 CONNECTION DETAIL AT CENTER BEAM

GENERAL NOTES AND SPECIFICATIONS

1. THE STRUCTURAL DESIGN FOR THE DECK HAS BEEN PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF 2009, 2012, 2015 AND 2018 EDITIONS OF THE IRC CODES AND UTILIZING THE FOLLOWING REFERENCED STANDARDS; 2005, 2012, 2015 AND 2018 NDS FOR WOOD.
2. THESE PLANS COVER THE DESIGN OF THE DECK AND IT'S CONNECTION TO THE EXISTING STRUCTURE. THE STRUCTURAL ADEQUACY OF THE EXISTING STRUCTURE TO SUPPORT THE TRANSFERRED LOADS IS BEYOND THE SCOPE OF THIS PACKAGE AND SHOULD BE VERIFIED BY OTHERS.
3. A MAXIMUM DESIGN HORIZONTAL WIND LOAD OF 30PSF WAS USED IN THE DESIGN OF THE DECK CONNECTIONS.
4. THE TERM "PATIO ROOM" IN THESE DRAWINGS REFERS SOLELY TO LIGHT GAUGE ALUMINUM FRAME STRUCTURES MANUFACTURED BY CHAMPION ENCLOSURE SUPPLIERS. THESE DRAWINGS ARE ONLY VALID WHEN THE PATIO ROOMS ARE CONSTRUCTED IN ACCORDANCE WITH THE CHAMPION ENCLOSURE SUPPLIERS PATIO ROOM ENGINEERING.

MATERIALS

DIMENSIONAL LUMBER

1. DIMENSIONAL LUMBER SHALL BE DOUGLAS FIR, SOUTHERN PINE, HEM-FIR, SPF, ALL DIMENSIONAL LUMBER SHALL BE GRADE #2 MINIMUM.
2. DIMENSIONAL LUMBER SHALL BE TREATED FOR PREVENTION OF DECAY AS REQUIRED BY THE GOVERNING CODE OF THE LOCALITY.

SOILS

1. ALL FOOTINGS SHALL BEAR ON LEVEL (WITHIN 1:12) UNDISTURBED SOIL OR APPROVED ENGINEERING FILL WITH AN ALLOWABLE SOIL BEARING CAPACITY OF 1000 PSF. FOOTINGS SHALL EXTEND BELOW THE FROST LINE OF THE LOCALITY BUT NOT LESS THAN 12" BELOW GRADE.

CONCRETE

1. ALL CONCRETE SHALL CONFORM TO ALL REQUIREMENTS OF ACI 318 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS AND WHERE EXPOSED TO THE EXTERIOR ENVIRONMENT SHALL HAVE AN ENTRAINED AIR CONTENT OF BETWEEN 5.0% TO 7.0%.
3. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 60 KSI DEFORMED BARS AND ASTM A185 MESH.

MECHANICAL FASTENERS

1. SHEET METAL SCREWS (SMS) SHALL BE STAINLESS STEEL WITH TYPE A3 SCREW THREADS.
2. LAG SCREWS SHALL BE GALVANIZED STEEL "FULL BODYED" SCREWS WITH A MINIMUM BENDING YIELD STRENGTH OF 60,000 PSI FOR 5/8" DIAMETER AND 40,000 PSI FOR 3/4" AND LARGER DIAMETER. LAG SCREWS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 8 X LAG SCREW DIAMETER
3. BOLTS SHALL COMPLY TO ANSI/ ASME STANDARD B.18.2.1-1981. BOLTS SHALL BE FULL DIAMETER BOLTS WITH A BENDING YIELD STRENGTH OF 70,000 PSI. L
4. AG SCREWS SHOULD BE GALVANIZED STEEL WITH A MINIMUM BENDING YIELD STRENGTH OF 60,000PSI.
5. WOOD SCREWS SHALL HAVE A MINIMUM BENDING YIELD STRENGTH OF 80,000 PSI
6. LL358 LEDGER LOK® SCREWS BY FASTENMASTER AND SHALL HAVE A MINIMUM BENDING STRENGTH OF 183,000 PSI AND SHALL HAVE A MINIMUM EMBEDMENT OF 2" INTO THE MAIN WOOD SUPPORTING MEMBER.
7. ANCHOR BOLTS INTO CONCRETE SHALL BE 3/8" Ø X 2-1/2" WEDGE-BOLT+ ANCHORS BY POWERS FASTENERS.
8. FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE STAINLESS STEEL OR SHALL BE HOT DIPPED GALVANIZED PER ASTM A153. HOT DIPPED CONNECTOR PRODUCTS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE ASTM-A653 COATING DESIGNATION G-185.

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CHAMPION WINDOWS AND PATIO ROOM
 PLANS AND DETAILS FOR A
 LUMBER DECK SUPPORTING A
 CHAMPION PATIO ROOM

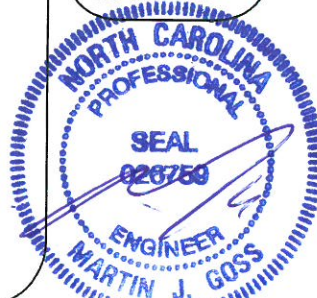
DATE: JULY 3, 2019

SCALE: NTS

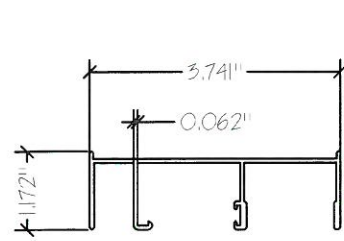
Drawn by: MJG

REV: DATE:

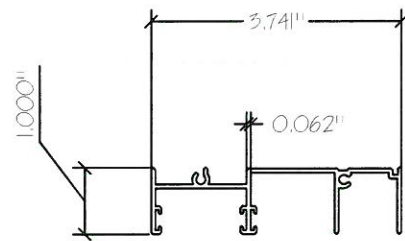
SHEET: 4 OF 4



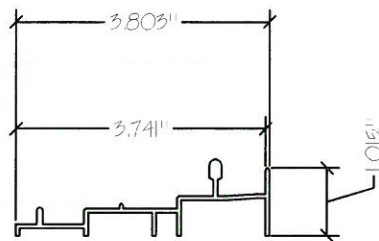
7/26/2020



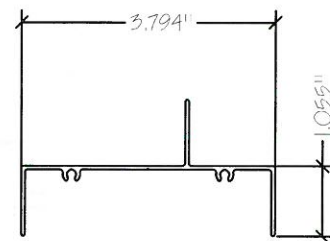
1 WINDOW/DOOR FRAME HEAD



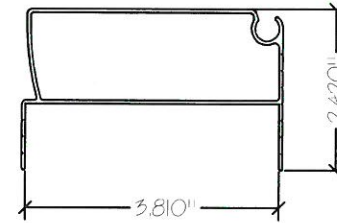
2 WINDOW/DOOR FRAME JAMB



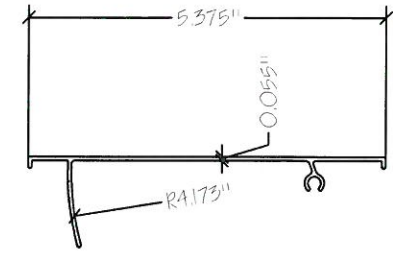
3 WINDOW/DOOR FRAME SILL



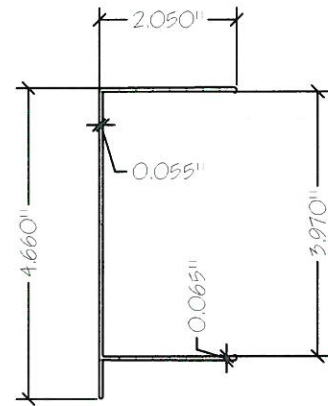
4 TRANSOM FRAME



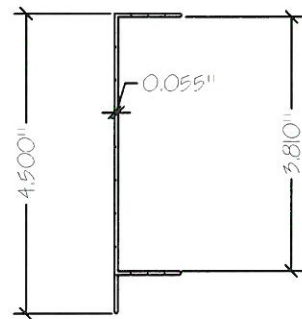
5 HEADER BASE



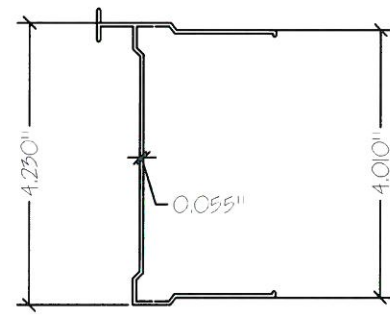
6 HEADER ARM



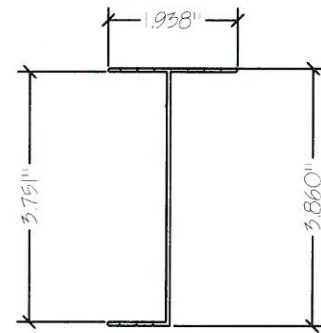
7 4" EXPANDER



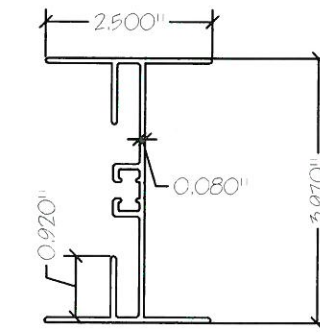
8 4" F-CHANNEL



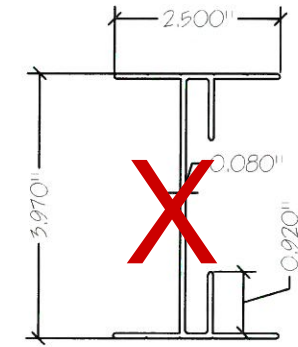
9 4" HANGER BASE



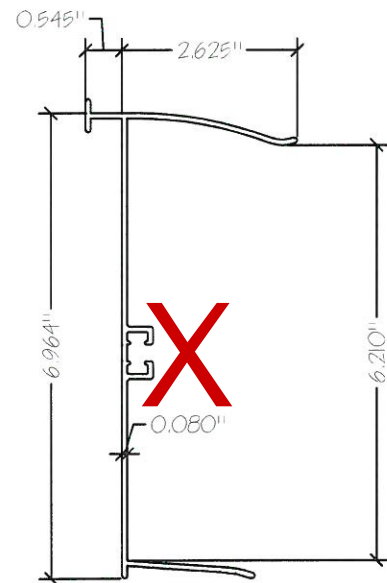
10 4" SILL EXTRUSION



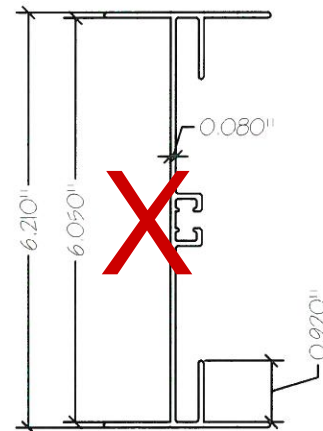
11 4" I-SECTION THERM



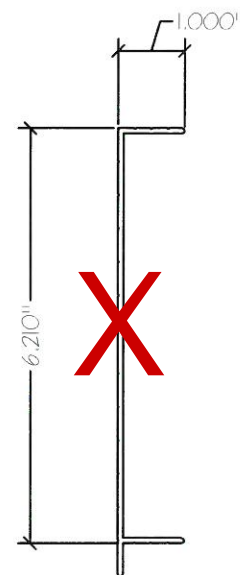
12 4" NON-THERM I-SECTION



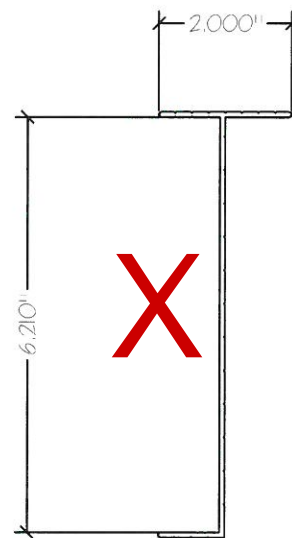
13 6" HANGER BASE



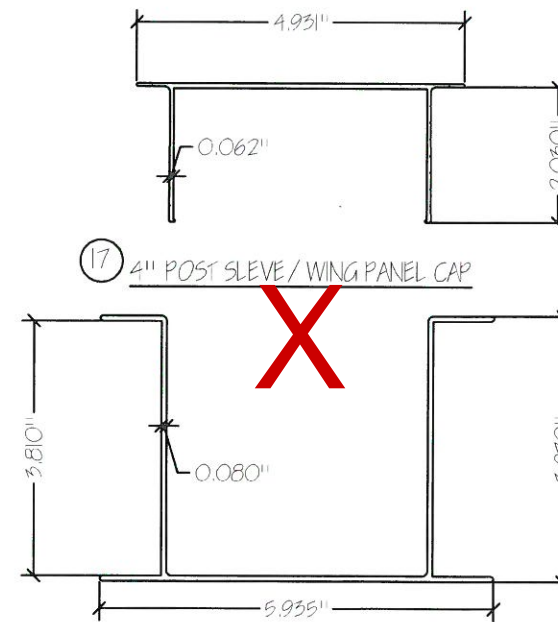
14 6" I-BEAM



15 6" F-CHANNEL

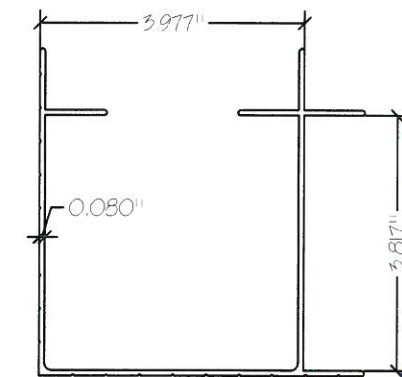


16 6" SILL



17 4" POST SLEEVE/WING PANEL CAP

18 4" POST SLEEVE



20 CORNER POST

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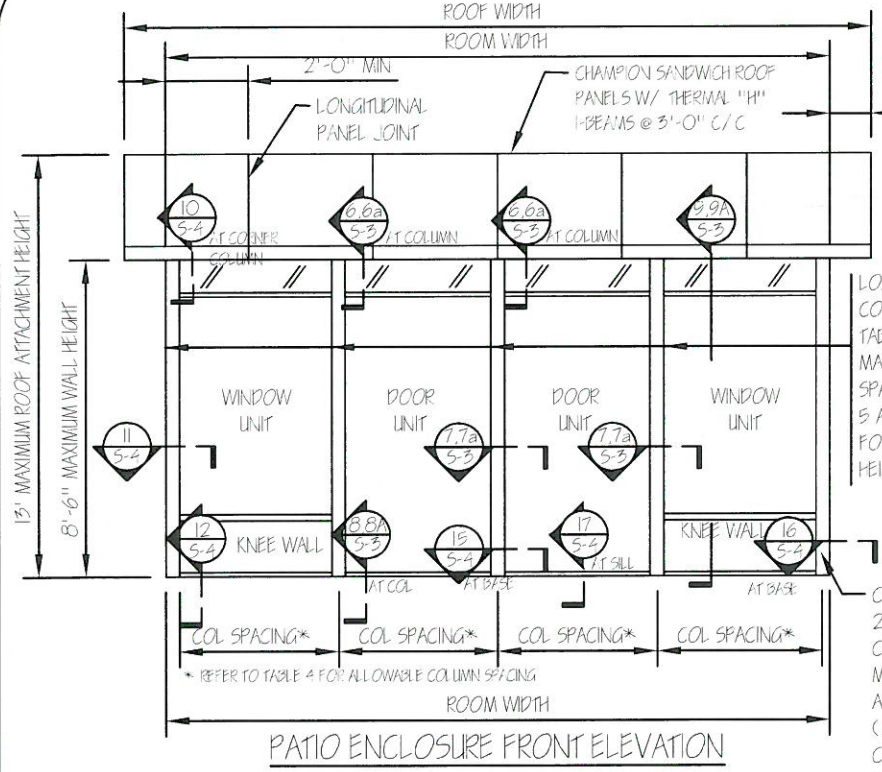
SECTION DETAILS
 CHAMPION WINDOWS AND PATIO ROOMS
 4" Wall System with Studio Style Roof

| | |
|---------------|-------|
| DATE: 2/13/19 | |
| SCALE: NTS | |
| Drawn by: MJG | |
| REV: | DATE: |
| | |
| SHEET: 1 OF 5 | |



2/26/2020

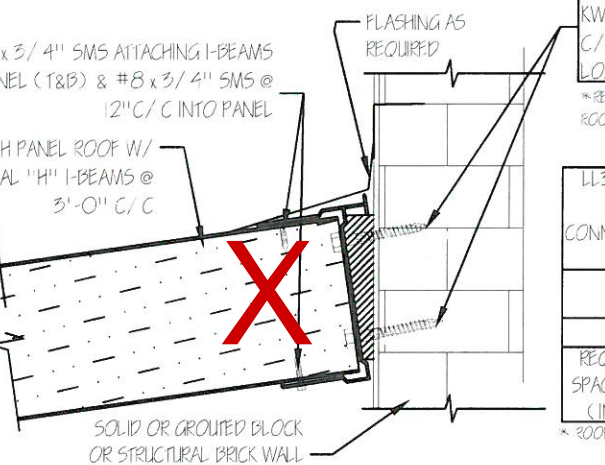
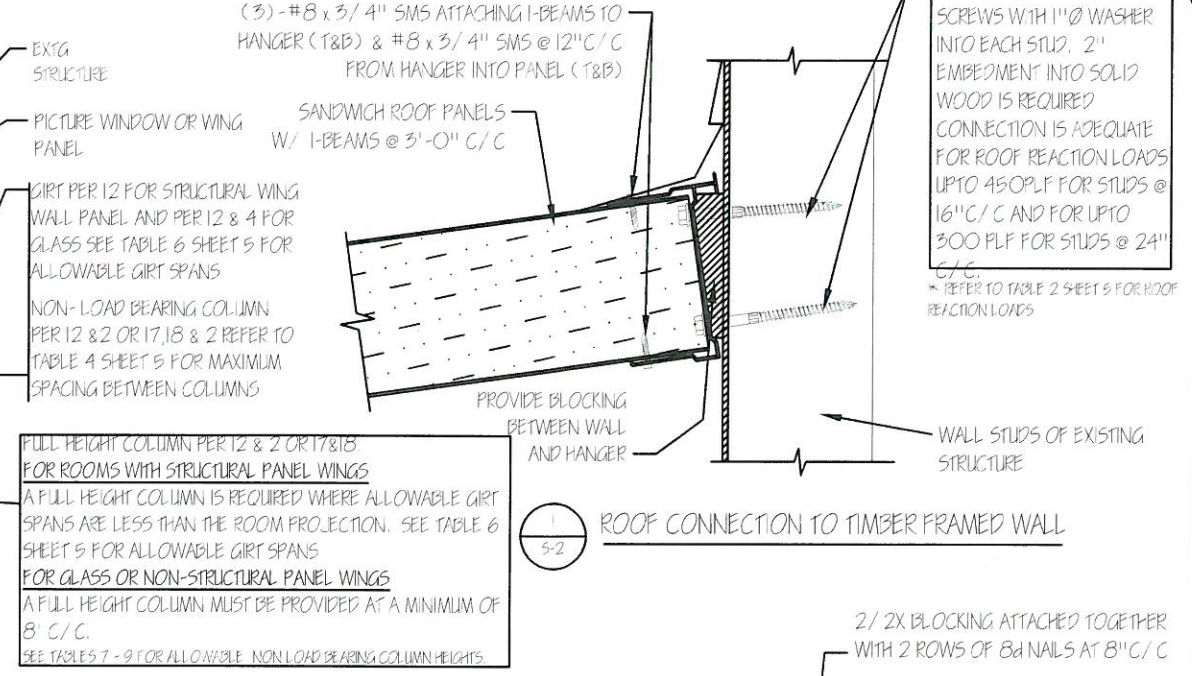
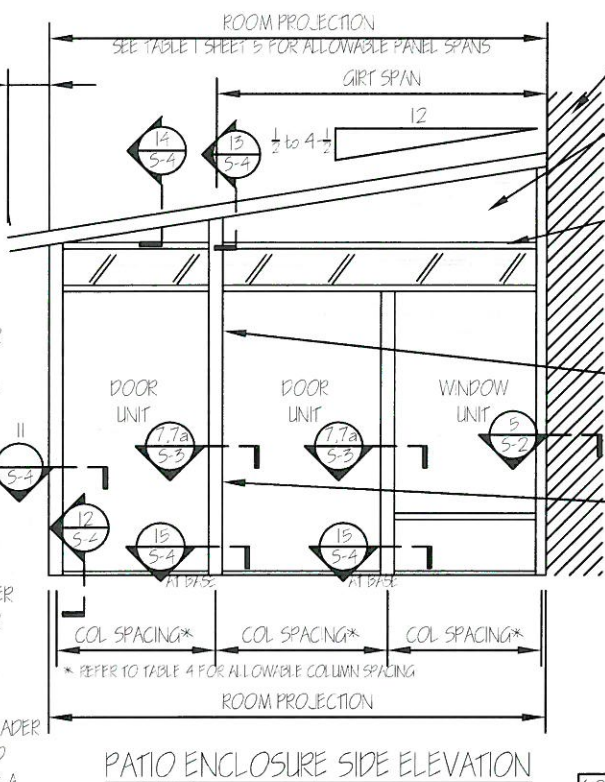
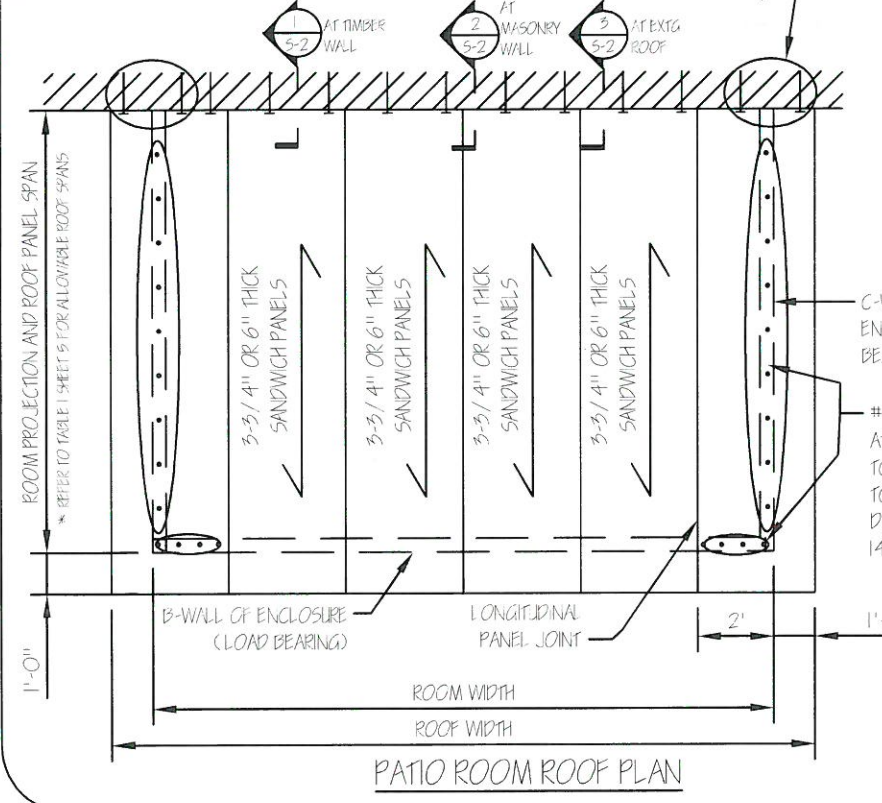
NOTE: ALTERNATE COMBINATION OF DOORS, WINDOWS, TRANSOMS AND KNEE WALLS ARE PERMITTED PROVIDED THE SPECIFIED HEIGHT AND SPACING LIMITATIONS ARE ADHERED TO



| WIND ZONE* | MAX ROOM PROJECTION (FD) |
|------------|--------------------------|
| 1 | 1.1 X ROOM WIDTH |
| 2 | 1.0 X ROOM WIDTH |
| 3 | 0.9 X ROOM WIDTH |
| 4 | 0.8 X ROOM WIDTH |

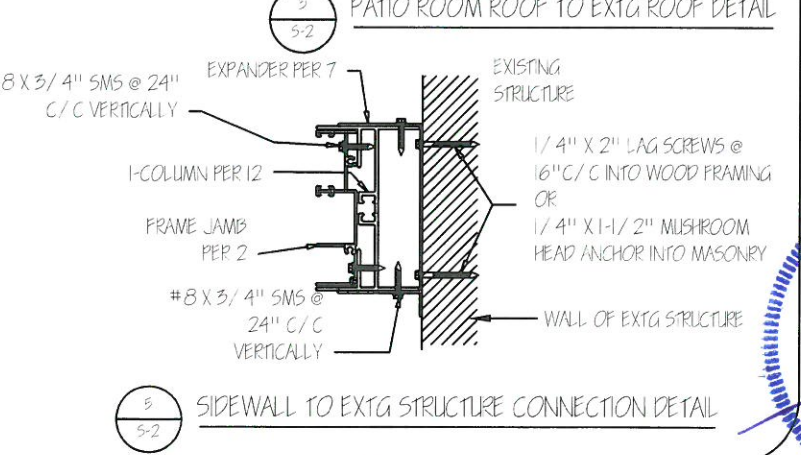
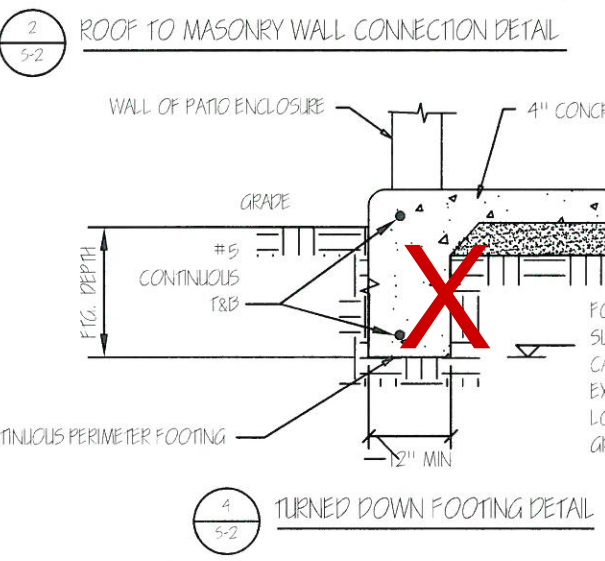
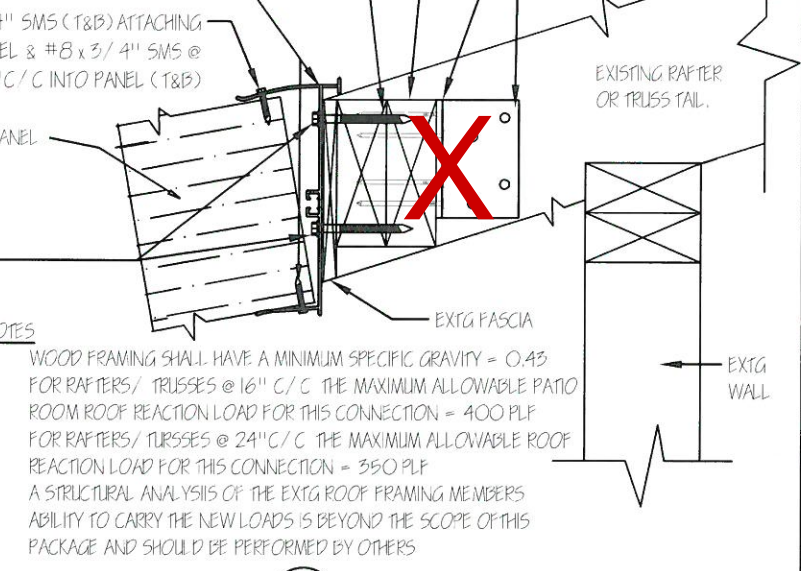
* REFER TO TABLE A SHEET 5 FOR WIND ZONE DESIGNATION

2 SETS OF 5/16" X 3" LAG SCREWS WITH 1" Ø WASHER @ 16" C/C CONNECTING EACH END OF THE ROOF DIAPHRAGM TO A TIMBER FRAMED STRUCTURE OR
2 SETS OF (2) -1/4" X 3-3/4" HILTI KWIK-CON II ANCHORS @ 12" C/C CONNECTING THE END OF THE ROOF DIAPHRAGM TO A MASONRY STRUCTURE.



| REQ'D SPACING (IN) | ROOF REACTION* | | | | | | |
|--------------------|----------------|-----|-----|-----|-----|-----|-----|
| | 100 | 150 | 200 | 250 | 300 | 350 | 450 |
| | 16" | 16" | 12" | 10" | 8" | 7" | 5" |

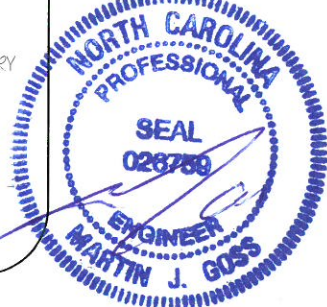
* ROOF REACTION FROM TABLE 2 SHEET 5



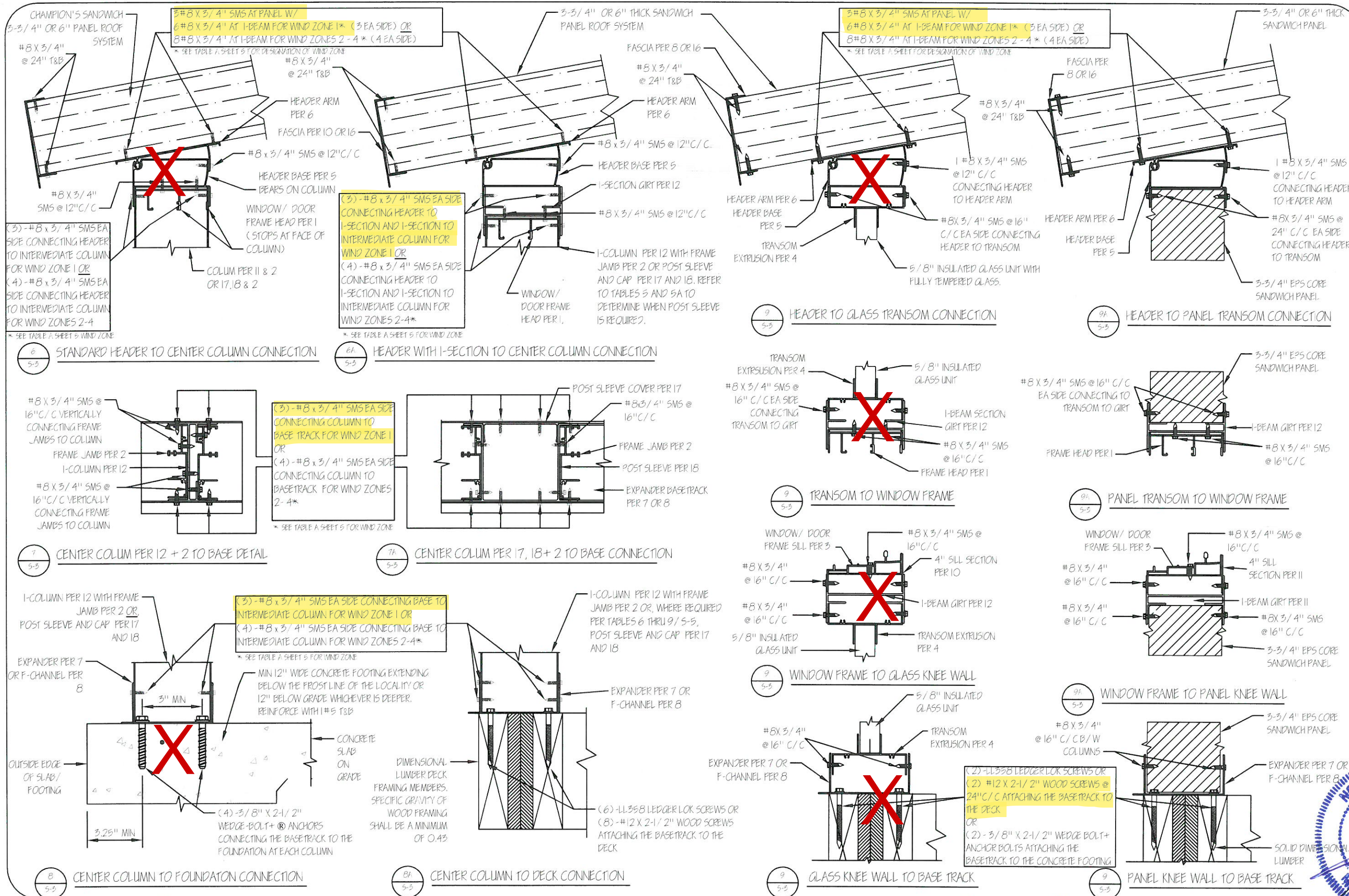
CHES
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CHAMPION WINDOWS AND PATIO ROOM
4" Wall System with Studio Style Roof
ELEVATION AND SECTION DETAILS

DATE: 2/13/19
SCALE: NTS
Drawn by: MJG
REV: DATE:
SHEET: 2 OF 5



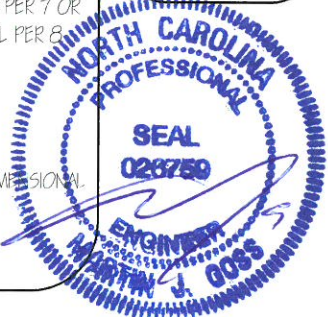
2/26/2020



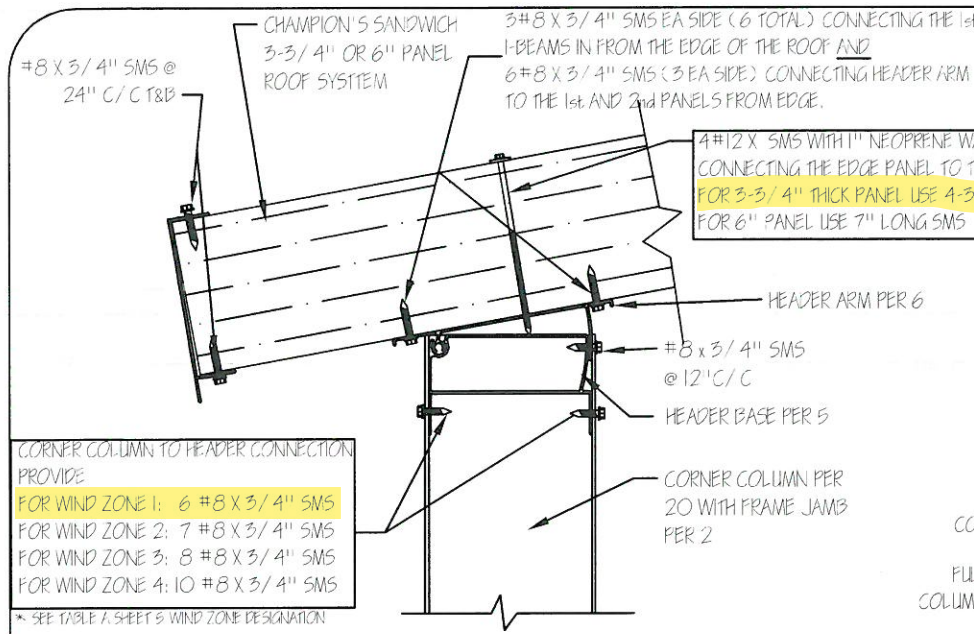
CHAMPION ENCLOSURE SUPPLIERS
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CHAMPION WINDOWS AND PATIO ROOM
 4" Wall System with Studio Style Roof
SECTION DETAILS

DATE: 2/13/19
 SCALE: NTS
 Drawn by: MJG
 REV: DATE:
 SHEET: 3 OF 5

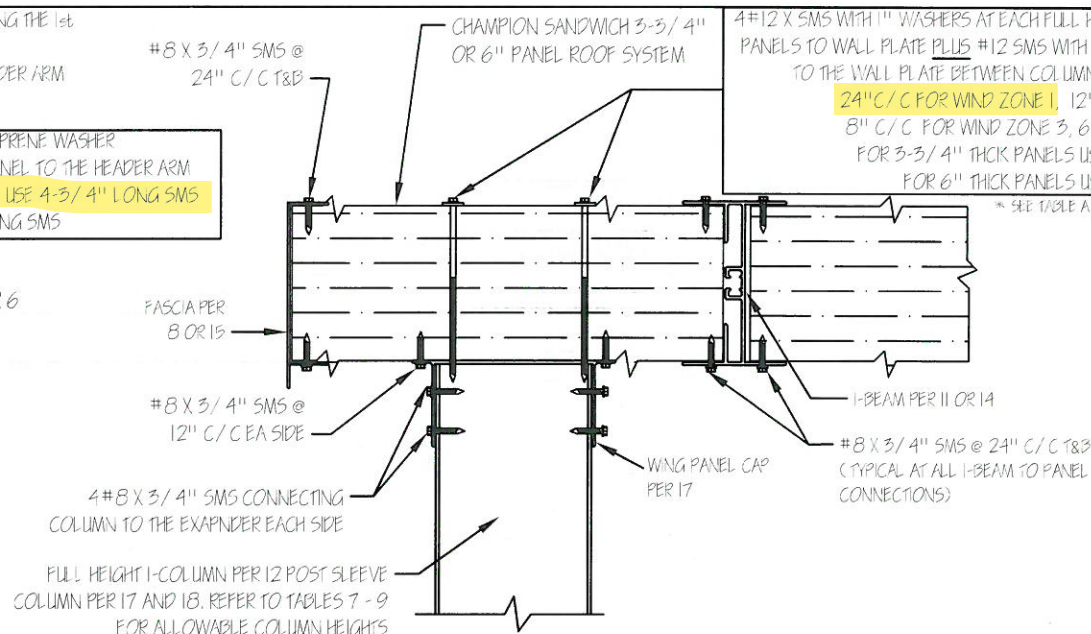


2/26/2020



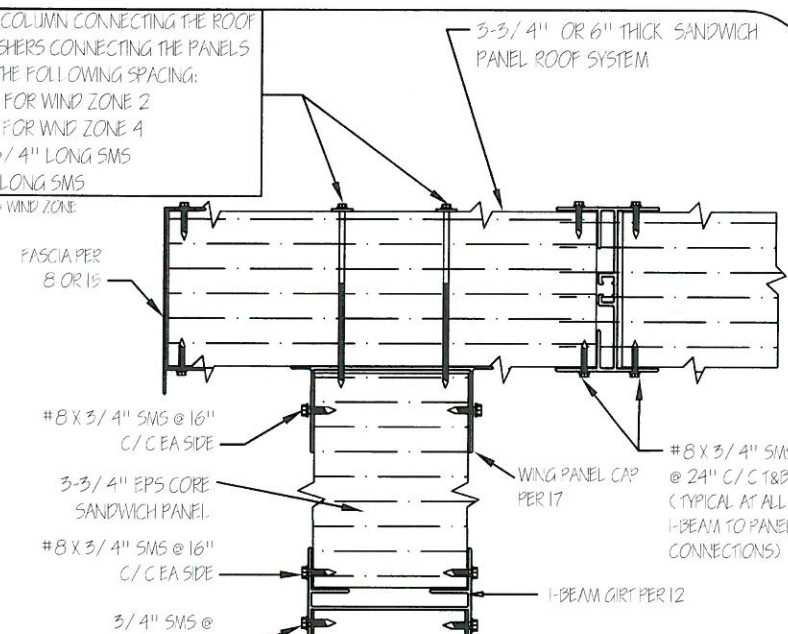
CORNER COLUMN TO HEADER CONNECTION PROVIDE:
 FOR WIND ZONE 1: 6 #8 X 3/4\"/>

10
5-4
CORNER COLUMN TO ROOF CONNECTION



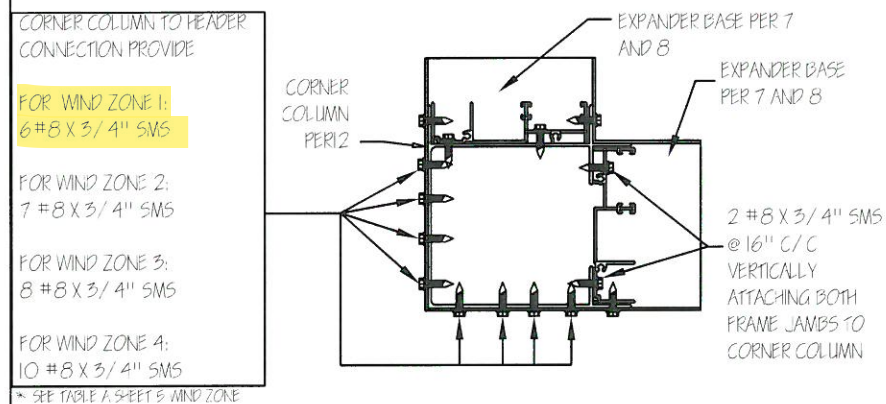
4 #12 X SMS WITH 1\"/>

15
5-4
NON AXIAL BEARING COLUMN TO ROOF CONNECTION



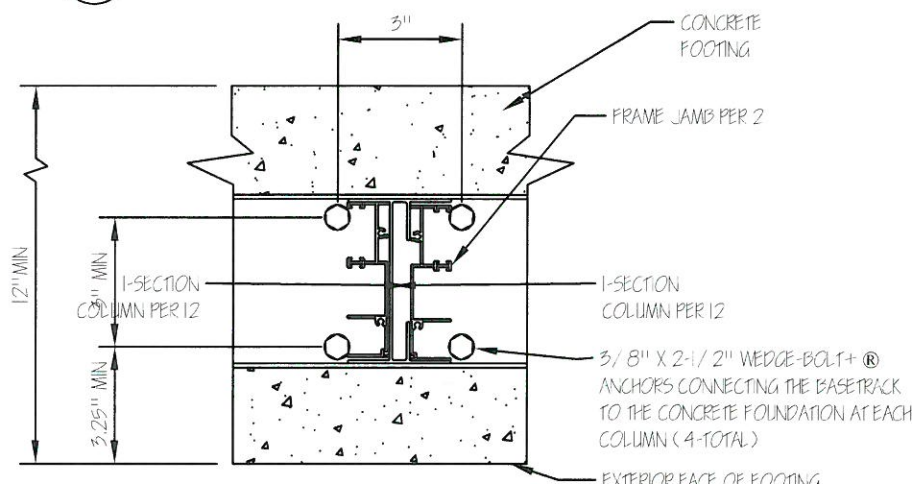
4 #12 X SMS WITH 1\"/>

14
5-4
ROOF TO NON BEARING WALL CONNECTION

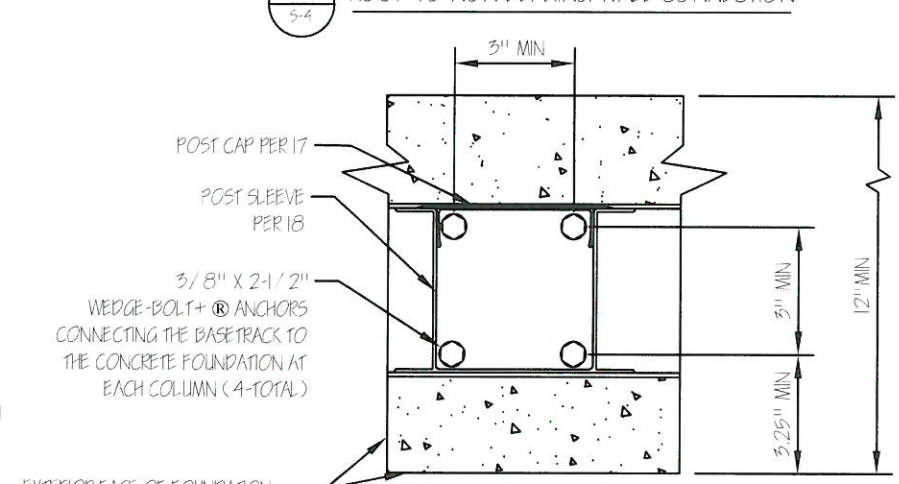


CORNER COLUMN TO HEADER CONNECTION PROVIDE:
 FOR WIND ZONE 1: 6 #8 X 3/4\"/>

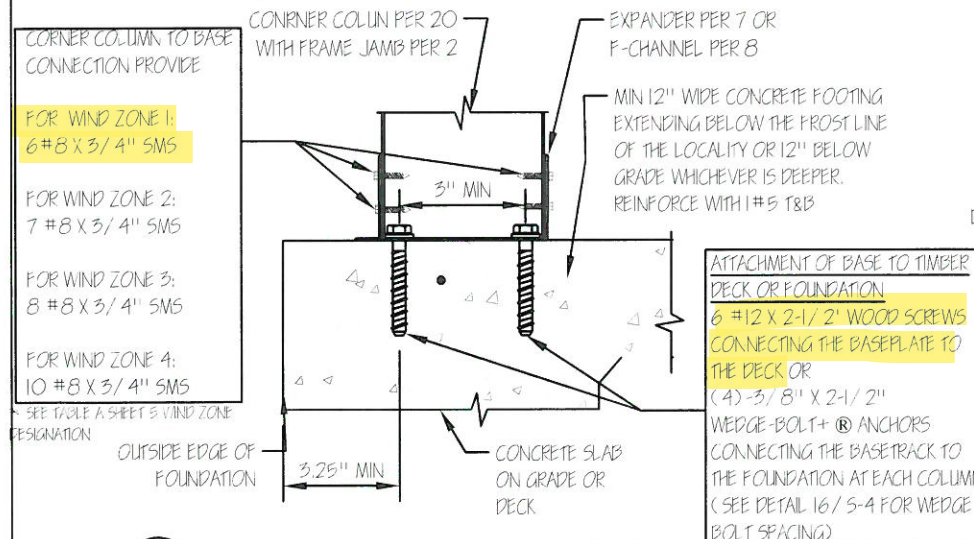
11
5-4
CORNER COLUMN TO BASE CONNECTION



15A
5-4
CONNECTION OF CENTER COLUMN PER 12 & 2 TO BASE/ FOUNDATION

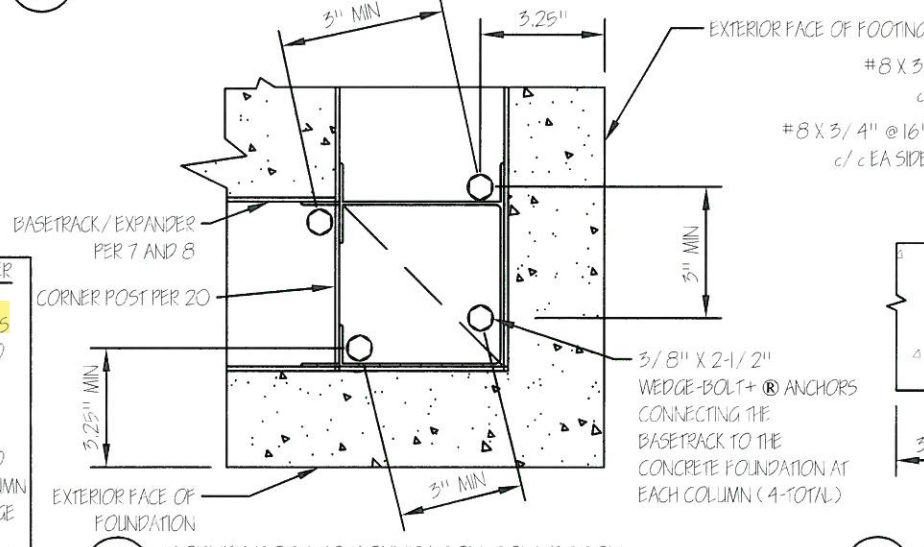


15B
5-4
CONNECTION OF CENTER COLUMN PER 17 & 18 TO FOUNDATION

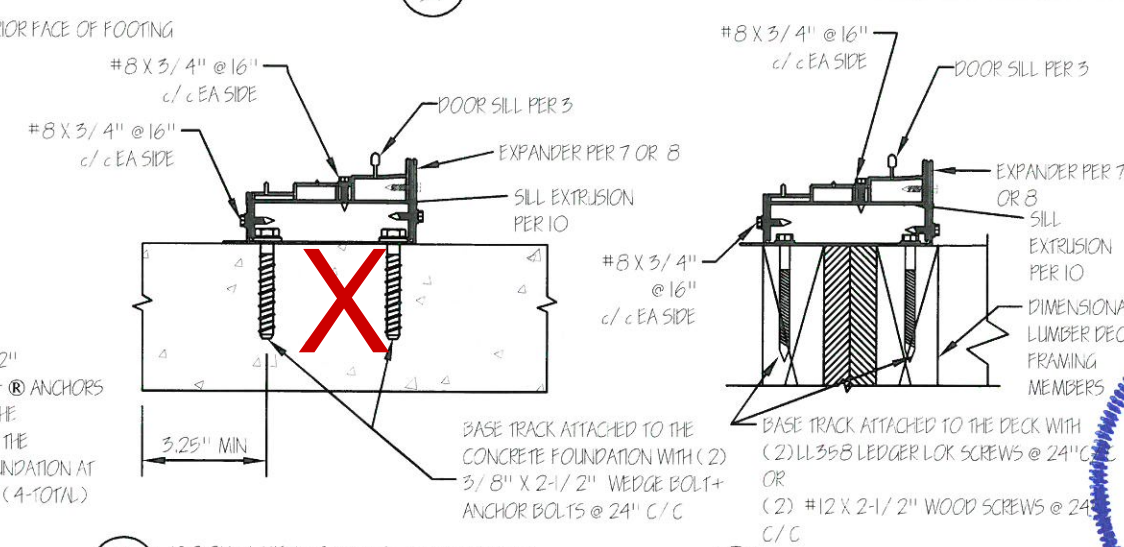


CORNER COLUMN TO BASE CONNECTION PROVIDE:
 FOR WIND ZONE 1: 6 #8 X 3/4\"/>

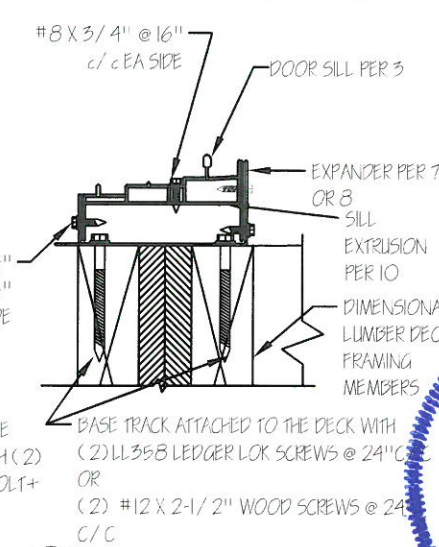
12
5-4
CORNER COLUMN TO FOUNDATION CONNECTION



16
5-4
CORNER POST TO FOUNDATION CONNECTION



17
5-4
DOOR THRESHOLD TO FOUNDATION



17A
5-4
DOOR THRESHOLD TO DECK

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CHAMPION WINDOWS AND PATIO ROOM
 4\"/>
 SECTION DETAILS

DATE: 2/13/19
 SCALE: NTS
 Drawn by: MJG
 REV: DATE:
 SHEET: 4 OF 5



2/26/2020

| STRENGTH DESIGN WIND SPEED | 115 MPH RISK CAT I | 130 MPH RISK CAT II | 140 MPH RISK CAT II | 150 MPH RISK CAT II |
|-----------------------------|-----------------------|------------------------|-------------------------|-------------------------|
| ALLOWABLE STRESS WIND SPEED | 90 MPH | 100 MPH | 110 MPH | 120 MPH |
| EXP B | WIND ZONE 1 | WIND ZONE 2 | WIND ZONE 3 | WIND ZONE 4 |
| EXP C | WIND ZONE 2 | WIND ZONE 3 | WIND ZONE 4 | SPECIAL DESIGN REQUIRED |
| EXP D | WIND ZONE 3 | WIND ZONE 4 | SPECIAL DESIGN REQUIRED | SPECIAL DESIGN REQUIRED |

- EXPOSURE CATEGORIES ARE AS DEFINED IN THE IRC, IBC AND ASCE-7
- TABLE APPLIES TO PATIO ROOMS WITH MEAN ROOF HEIGHTS UP TO 30' IN EXPOSURE B AND UP TO 15' IN EXPOSURES C AND D. FOR ROOMS IN EXPOSURE CATEGORIES C AND D WITH MEAN ROOF HEIGHTS WITH MEAN ROOF HEIGHTS BETWEEN 15' AND 30' THE NEXT HIGHEST WIND ZONE DESIGNATION SHALL BE SELECTED OR A SITE SPECIFIC DESIGN WILL BE UTILIZED.
- SITE SPECIFIC DETERMINATION OF WIND PRESSURES IS REQUIRED FOR SITES ON ISOLATED HILLS, RIDGES OR ESCARPMENTS THAT ARE ABRUPT CHANGES FROM THE GENERAL TOPOGRAPHY OF THE AREA.

| PANEL SPAN (FT) | ROOF LIVE / SNOW LOAD (PSF) | | | | | | | | | | WIND ZONE * | | | |
|-----------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|------|------|------|
| | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 70 | 1 | 2 | 3 | 4 |
| 6 | 92 | 112 | 132 | 140 | 172 | 192 | 212 | 232 | 252 | 292 | -98 | -121 | -149 | -173 |
| 8 | 115 | 140 | 165 | 190 | 215 | 240 | 265 | 290 | 315 | 365 | -109 | -136 | -163 | -193 |
| 10 | 138 | 168 | 198 | 228 | 258 | 288 | 318 | 348 | 378 | 438 | -120 | -148 | -179 | -214 |
| 12 | 161 | 196 | 231 | 266 | 301 | 336 | 371 | 406 | 441 | 511 | -132 | -163 | -197 | -234 |
| 14 | 184 | 224 | 264 | 304 | 344 | 384 | 424 | 464 | 504 | | -143 | -176 | -213 | -254 |
| 16 | 207 | 252 | 297 | 342 | 387 | 432 | | | | | -155 | -192 | -232 | -276 |
| 18 | 230 | 280 | 330 | 380 | | | | | | | -166 | -206 | -250 | -296 |
| 20 | 253 | 308 | | | | | | | | | -178 | -220 | -266 | -318 |

- TABLE 1 INCLUDES THE DEAD LOAD OF THE STANDARD ROOF PANEL. FOR OSB ROOF PANELS WITH ASPHALT SHINGLES, THE INPUT ROOF LOAD FOR THIS CHART SHALL EQUAL THE DESIGN SNOW / ROOF LIVE LOAD + 5PSF.
 - NEGATIVE VALUES INDICATE UPLIFT LOADS.
- * SEE TABLE A SHEET 9 FOR DESIGNATION OF WIND ZONE

| PANEL THICKNESS (IN) | LIVE LOAD (PSF) | ROOF SNOW LOAD (PSF) | | | | | | | | | |
|----------------------|-----------------|----------------------|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| | | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 70 |
| 3-3/4" | 17'-4" | 16'-8" | 15'-9" | 14'-5" | 13'-7" | 12'-10" | 12'-2" | 11'-6" | 11'-0" | 10'-7" | 9'-10" |
| 6" | 20' | 20' | 19'-2" | 17'-7" | 16'-4" | 15'-4" | 14'-6" | 13'-9" | 13'-2" | 12'-8" | 11'-8" |

- ROOF DEFLECTION CRITERIA = L/120
- THE ALLOWABLE SPANS ARE BASED ON UNIFORM SNOW LOADING CONDITIONS.
 - FOR OSB ROOF PANELS WITH ASPHALT SHINGLES, THE INPUT ROOF LOAD FOR THIS CHART SHALL EQUAL THE DESIGN SNOW / ROOF LIVE LOAD + 5PSF.

| APPLIED LOAD* (PLF) | 70 | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 | 500 |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| STANDARD HEADER | 96" | 78" | 72" | 64" | 60" | 56" | 48" | N/A | N/A | N/A | N/A |
| HEADER WITH BEAM | 96" | 96" | 96" | 95" | 88" | 78" | 72" | 66" | 60" | 56" | 48" |

* APPLIED LOAD IS THE LARGER OF THE APPLIED ROOF LOAD FROM SNOW LOADING OR FROM WIND LOADING DETERMINED FROM TABLE 2 SHEET 5

| WIND ZONE | 1 | 2 | 3 | 4 |
|--------------------------|-----|-----|-----|-----|
| ALLOWABLE COLUMN SPACING | 96" | 84" | 78" | 68" |

* SEE TABLE A SHEET 9 FOR DESIGNATION OF WIND ZONE

| COLUMN SPACING (INCHES) | WIND ZONE * | | | |
|-------------------------|-------------|------|------|------|
| | 1 | 2 | 3 | 4 |
| 60" | 8.5' | 8.5' | 8.5' | 8.0' |
| 68" | 8.5' | 8.5' | 8.0' | 8.0' |
| 78" | 8.5' | 8.0' | 7.5' | --- |
| 84" | 8.5' | 7.5' | --- | --- |
| 96" | 8.0' | --- | --- | --- |

* SEE TABLE A SHEET 9 FOR DESIGNATION OF WIND ZONE

| COLUMN SPACING (INCHES) | WIND ZONE * | | | |
|-------------------------|-------------|------|------|------|
| | 1 | 2 | 3 | 4 |
| 60" | 8.5' | 8.5' | 8.5' | 8.5' |
| 68" | 8.5' | 8.5' | 8.5' | 8.5' |
| 78" | 8.5' | 8.5' | 8.5' | --- |
| 84" | 8.5' | 8.5' | --- | --- |
| 96" | 8.5' | --- | --- | --- |

* SEE TABLE A SHEET 9 FOR DESIGNATION OF WIND ZONE

| WIND ZONE | 1 | 2 | 3 | 4 |
|--------------------|--------|--------|--------|--------|
| MAX GIRT SPAN (FT) | 13'-6" | 12'-3" | 11'-2" | 10'-3" |

* SEE TABLE A SHEET 9 FOR DESIGNATION OF WIND ZONE

| COLUMN SPACING (INCHES) | WIND ZONE * | | | |
|-------------------------|-------------|-------|--------|-------|
| | 1 | 2 | 3 | 4 |
| 60" | 10'-0" | 9'-0" | 8'-10" | 8'-5" |
| 68" | 9'-8" | 9'-0" | 8'-7" | 8'-2" |
| 78" | 9'-3" | 8'-8" | 8'-2" | --- |
| 84" | 9'-0" | 8'-5" | --- | --- |
| 96" | 8'-8" | --- | --- | --- |

* SEE TABLE A SHEET 9 FOR DESIGNATION OF WIND ZONE

| COLUMN SPACING (INCHES) | WIND ZONE * | | | |
|-------------------------|-------------|---------|--------|--------|
| | 1 | 2 | 3 | 4 |
| 60" | 13'-0" | 12'-2" | 11'-2" | 10'-5" |
| 68" | 12'-7" | 11'-6" | 10'-8" | 10'-0" |
| 78" | 11'-10" | 10'-10" | 10'-2" | --- |
| 84" | 11'-5" | 10'-7" | --- | --- |
| 96" | 10'-10" | --- | --- | --- |

* SEE TABLE A SHEET 9 FOR DESIGNATION OF WIND ZONE

| COLUMN SPACING (INCHES) | WIND ZONE * | | | |
|-------------------------|-------------|--------|--------|--------|
| | 1 | 2 | 3 | 4 |
| 60" | 13'-0" | 12'-0" | 12'-0" | 11'-2" |
| 68" | 13'-0" | 12'-0" | 11'-4" | 10'-7" |
| 78" | 12'-9" | 11'-7" | 10'-9" | --- |
| 84" | 12'-4" | 11'-3" | --- | --- |
| 96" | 11'-8" | --- | --- | --- |

* SEE TABLE A SHEET 9 FOR DESIGNATION OF WIND ZONE

GENERAL NOTES AND SPECIFICATIONS

- THE STRUCTURAL DESIGN FOR CHAMPION PATIO ROOMS HAS BEEN PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF 2009, 2012, 2015 AND 2018 EDITIONS OF THE IRC CODES, 2019 RESIDENTIAL CODE OF OHIO, 2015 NEW YORK STATE RESIDENTIAL CODE, 2018 SOUTH CAROLINA RESIDENTIAL CODE, 2018 NORTH CAROLINA BUILDING CODE, 2018 KENTUCKY RESIDENTIAL CODE, 9th ED OF THE MASSACHUSETTS RESIDENTIAL CODE, 2019 RHODE ISLAND SBC-2 ONE AND TWO FAMILY DWELLING CODE, DENVER 2015 IRC, 2016 DENVER BUILDING CODE AND UTILIZING THE FOLLOWING REFERENCED STANDARDS, 2005 AND 2010 EDITIONS OF ASCE 7, 2005 AND 2010 ALUMINUM DESIGN MANUAL, 2005, 2012 AND 2018 NDS FOR WOOD AND AAMA / NFEA / NSA 2100 FOR SUNROOMS.
- THESE PLANS COVER THE DESIGN OF THE PATIO ROOM AND ITS CONNECTION TO THE EXISTING STRUCTURE. THE STRUCTURAL ADEQUACY OF THE EXISTING STRUCTURE TO SUPPORT THE TRANSFERRED LOADS IS BEYOND THE SCOPE OF THIS PACKAGE AND SHOULD BE VERIFIED BY OTHERS.
- THE SNOW LOAD TABLES PRESENTED IN THIS PACKAGE ARE FOR UNIFORM ROOF SNOW LOADS. CONSIDERATION SHALL BE GIVEN TO SITE SPECIFIC CONDITIONS SUCH AS SLIDING, DRIFTING OR UNBALANCED SNOW LOADS.
- BASIC WIND SPEEDS ARE 3-SECOND GUST AT 33 FT ABOVE THE GROUND IN EXPOSURE C.
- SEISMIC DESIGN FOR ROOMS CONSTRUCTED IN SEISMIC DESIGN CATEGORIES D2 WITH UNIFORM ROOF SNOW LOADS UP TO 30PSF HAS BEEN CONSIDERED IN THIS PACKAGE. A SITE SPECIFIC SEISMIC EVALUATION IS REQUIRED FOR ENCLOSURES IN SDC D OR HIGHER WITH DESIGN ROOF SNOW LOADS IN EXCESS OF 30 PSF.
- THE PATIO ROOM PROJECTION SHALL BE A MAXIMUM OF 1.1 TIMES THE PATIO ROOM WIDTH.
- CHAMPION PATIO ENCLOSURES CAN BE CONSTRUCTED ON TIMBER FRAMED DECKS PROVIDED THE DECK AND ITS FOOTINGS HAVE BEEN ENGINEERED TO SAFELY CARRY THE ENCLOSURE'S AND THE DECK'S DESIGN LOADS. THE DOOR AND WINDOW UNITS USED IN THE CHAMPION PATIO ROOM SYSTEM, SUPPLIED BY ENCLOSURE SUPPLIERS LLC, ARE GLAZED WITH FULLY TEMPERED INSULATED GLASS CONFORMING TO THE REQUIREMENTS OF ANSI Z97.1 AND CPSC 16 CFR 1201 CATEGORY II. IN WIND BORNE DEBRIS REGIONS GLAZED OPENINGS SHALL BE PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GOVERNING CODE.
- THIS ENCLOSURE MEETS THE REQUIREMENTS OF A CATEGORY II SUNROOM AS DEFINED IN AAMA / NFEA / NSA 2100.

MATERIALS SOILS

- ALL FOOTINGS SHALL BEAR ON LEVEL (WITHIN 1:12) UNDISTURBED SOIL OR APPROVED ENGINEERING FILL WITH AN ALLOWABLE SOIL BEARING CAPACITY OF 1000 PSF. FOOTINGS SHALL EXTEND BELOW THE FROST LINE OF THE LOCALITY BUT NOT LESS THAN 12" BELOW GRADE.

CONCRETE

- ALL CONCRETE SHALL CONFORM TO ALL REQUIREMENTS OF ACI 318 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS AND WHERE EXPOSED TO THE EXTERIOR ENVIRONMENT SHALL HAVE AN ENTRAINED AIR CONTENT OF BETWEEN 5.0% TO 7.0%.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 60 KSI DEFORMED BARS AND ASTM A185 MESH.

STRUCTURAL ALUMINUM

- ALL EXTRUSIONS SHALL BE AL 6063-T6 ALUMINUM PROVIDED BY ENCLOSURE SUPPLIERS LLC.
- ROOF PANELS SHALL BE 3-3/4" OR 6" THICK STANDARD OR OSB SANDWICH PANELS MANUFACTURED BY ENCLOSURE SUPPLIERS LLC.
STANDARD ROOF PANEL SKINS CONSISTS OF 0.024" THICK ALUMINUM SHEETING (3105 H374).
OSB ROOF PANELS SKINS CONSISTS OF A 0.024" ALUMINUM SHEETING AND 1/2" OSB COMBINED TOP SKINS AND A 0.024" ALUMINUM SHEETING BOTTOM SKIN.
THE CORE FOR ALL PANELS SHALL BE ASTM C578 TYPE II EXPANDED POLYSTYRENE.
THE PANELS SHALL BE A MAXIMUM OF THREE FEET (3') WIDE AND SHALL BE SLOTTED BETWEEN AL 6063-T6 I-BEAMS.
THE ALLOWABLE PANEL SPAN CHART IN THIS PACKAGE APPLIES TO BOTH THE STANDARD AND OSB ROOF PANELS.

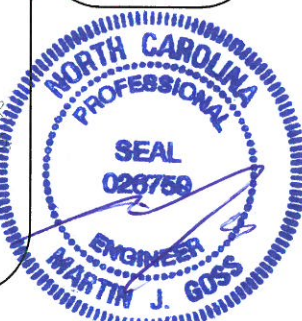
MECHANICAL FASTENERS

- SHEET METAL SCREWS (SMS) SHALL BE STAINLESS STEEL WITH TYPE AB SCREW THREADS.
- LAG SCREWS SHALL BE GALVANIZED STEEL "FULL BODIED" SCREWS WITH A MINIMUM BENDING YIELD STRENGTH OF 60,000 PSI FOR 3/8" DIAMETER AND 40,000 PSI FOR 1/2" AND LARGER DIAMETER. LAG SCREWS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 8 X LAG SCREW DIAMETER.
- WOOD SCREWS SHALL HAVE A MINIMUM BENDING YIELD STRENGTH OF 80,000 PSI.
- LL358 LEDGER LOK® SCREWS BY FASTENMASTER AND SHALL HAVE A MINIMUM BENDING STRENGTH OF 133,000 PSI AND SHALL HAVE A MINIMUM EMBEDMENT OF 2" INTO THE MAIN WOOD SUPPORTING MEMBER.
- ANCHOR BOLTS INTO CONCRETE SHALL BE 3/8" Ø X 2-1/2" WEDGE-BOLT+ ANCHORS BY POWERS FASTENERS.
- PIN ANCHORS SHALL BE ZAMAC NAILIN ANCHORS MANUFACTURED BY POWERS FASTENERS, BREWSTERS, NY OR EQUIVALENT.
- FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE STAINLESS STEEL OR SHALL BE HOT DIPPED GALVANIZED PER ASTM A153. HOT DIPPED CONNECTOR PRODUCTS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE ASTM-A653 COATING DESIGNATION G-185.

CHAMPION ENCLOSURE SUPPLIERS
12111 CHAMPION WAY, CINCINNATI, OH 45241
PH: (513) 782-3900 FAX: (513) 782-3900

CHAMPION WINDOWS AND PATIO ROOM
4" Wall System with Studio Style Roof
DESIGN TABLES AND NOTES

DATE: 2/13/19
SCALE: NTS
Drawn by: MJG
REV: 2019 RCO 7/19/19
2015 SC 8/8/19
DENVER CO 11/6/19
SHEET: 5 OF 5



2/26/2020