

** FLOOD RESISTANT DESIGN REQUIREMENTS ARE TO BE INSTALLED ON-SITE BY OTHERS



SECURED WITH (2) SIMPSON H3 PER
MANUFACTURER'S INSTRUCTIONS

END WALL

-4x4 P.T. POST

ALL CORNER STUDS
SECURED W/#10 SELF-
TAPPING SCREWS @
12" O.C.

SECURED W/(2) LTS-12
(OR LONGER) PER
MANUFACTURER'S
INSTRUCTIONS

| | |
|------------------|-------------|
| 3.5" 20GA. STEEL | BRACE W/ (2 |
| #10 SELF TAPPING | SCREWS EAC |
| END (1 INTO | EACH FLANGE |

3.5" 20GA. STEEL
STUDS @ 24" O.C. MAX

| |
|------------------|
| 3.5" 20GA. |
| STEEL SOLE PLATE |
| FLOOR FRAMING |

END WALL
3.5" 20GA. STEEL
TOP PLATE

 $6' - 3\frac{1}{2}"$

-4'&6' OPTIONAL PORCH-

-50'-0" MAX.

2024-02-26 TOP LINE ENGINEERING, LLC APPROVAL

STANDARD WALL DETAIL

OPTIONAL DECKING:

- ALL HARDWARE: #8x2 $\frac{1}{2}$ " SELF-DRILL INTERCHANGE #46290
- TREX® COMPOSITE DECKING @ 6"OC MAX.
- RAIL/BALUSTER @ 8"OC MAX.
- DISTANCE BETWEEN BALUSTER - 6"MAX
- 4x6 POST/SHED WALL - 6"OC MAX.

-HANDRAILS ARE DESIGNED TO RESISTS 200 POUND CONCENTRATED FORCE IN ANY DIRECTION AT ANY POINT.

—HANDRAILS WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF NOT LESS THAN 1-1/4 INCHES AND NOT GREATER THAN 2 INCHES. WHERE THE HANDRAIL IS NOT CIRCULAR, IT SHALL HAVE A PERIMETER DIMENSION OF NOT LESS THAN 4 INCHES AND NOT GREATER THAN 6 1/4 INCHES WITH A MAXIMUM CROSS-SECTIONAL DIMENSION OF 2-1/4 INCHES AND MINIMUM CROSS-SECTIONAL DIMENSION OF 1 INCH. EDGES SHALL HAVE A MINIMUM RADIUS OF 0.01 INCH.

THIS AREA SHALL NOT ALLOW
PASSAGE OF A 4" SPHERE

- THIS AREA SHALL NOT ALLOW
PASSAGE OF A 2" SPHERE

- THIS AREA SHALL NOT ALLOW
PASSAGE OF A 6" SPHERE

| WALL SHEATHING OPTIONS | FASTENING |
|--|---|
| BOX RIB ALUMINUM (0.019" MIN.) | #9x ³ / ₄ " SCREW @ 9"O.C. |
| TWIN RIB ALUMINUM (0.019" MIN.) | #9x ³ / ₄ " SCREW @ 6"O.C. |
| DUTCH LAPSIDING ALUMINUM (0.019" MIN.) | #9x ³ / ₄ " SCREW @ 9"O.C. |
| DUTCH LAPSIDING STEEL (0.0149"MIN.) | #8x ³ / ₄ " SCREW @ 7"O.C. |
| STEEL AG, A1003, (0.0149"MIN.) (RUN ANY DIRECTION) | #8x ³ / ₄ " SCREW @ 7"O.C. |
| 5/8" T1-11 WOOD SIDING (0.313" MIN.) | 0.092"x2" NAILS @ 12"O.C. |
| HARDIE STUCCO (OVER T1-11) | 0.092"x2" NAILS @ 12"O.C. |
| HARDIE BOARD (0.313" MIN.) | 0.092"x2" NAILS @ 12"O.C. |
| POLYCARBONATE GREENHOUSE PANELS (0.035" MIN.) | #15x ³ / ₄ " SCREW @ 9"O.C. |

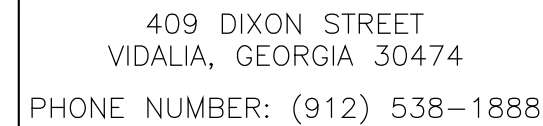
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TITLE: WALL LAYOUT-STEEL LAP/LUMBERJACK

| | |
|-----------|-----------------|
| Drawn By: | MTB |
| Date: | 1/20/2024 |
| Scale: | NTS |
| Model#: | LB-S-LJ-180C-23 |

Matthew T. Baldwin P.E.
Florida License #64608

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| CODE INFORMATION | |
|----------------------------------|---|
| CODE VERSION | FBC 2023 8th Edition, ASCE-7-22, 2020 NEC |
| MANUFACTURER | LARK |
| BUILDING TYPE | MANUFACTURED BUILDING RESIDENTIAL LAWN STORAGE |
| CONSTRUCTION TYPE | V-B |
| FIRE PROTECTION | NONE |
| FIRE SUPPRESSION SYSTEM | NONE |
| OCCUPANCY | UTILITY |
| ALLOWABLE NUMBER OF STORIES | 1 |
| BASIC WIND SPEED | V _{at} -180mph |
| EXPOSURE | C |
| ENCLOSURE | ENCLOSED |
| INTERNAL PRESSURE COEFFICIENT | +/- 0.18 |
| IMPORTANCE FACTOR | 1.0 |
| ROOF DEAD LOAD | 10PSF |
| ROOF LIVE LOAD | 30PSF OR 300lb POINT LOAD |
| FLOOR DEAD LOAD | 10PSF |
| FLOOR LIVE LOAD | 75/125PSF |
| "R" RATING OF WALLS, FLOOR, ROOF | N/A |
| MODULES PER BUILDING | 1 |
| HURRICANE PROTECTION USAGE | NO |
| HURRICANE SHELTER USAGE | NO |
| SQUARE FOOTAGE | 719 SQ.FT. OR LESS |

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| | |
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| Drawn By: | MTB |
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| Model#: | LB-S-LJ-180C-23 |

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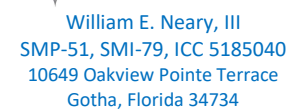
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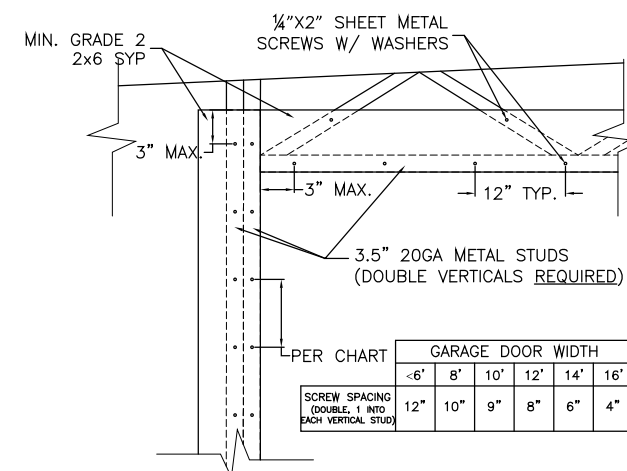
WALL OPENING FOR SIDE WALLS ARE
TO BE FRAMED SIMILAR TO THOSE
SHOWN HERE FOR END WALLS



2024-02-26 TOP LINE ENGINEERING, LLC APPROVAL



OPTIONAL LAYOUT FOR SECTIONAL GARAGE DOOR INSTALLATION REQUIREMENTS



SECURE THE 2X6 SYP TO THE STRUCTURE FRAMING INTERIOR USING 1/4"x2" SHEET METAL SCREWS WITH WASHERS - SPACING PER THE CHART/DETAIL. NOTE - THE MOUNTING HOLES FOR THE 2X6 SYP MAY NEED TO BE COUNTER SUNK TO NOT INTERFERE WITH THE TRACKS.

IMPORTANT – PERIODICALLY CHECK THE ATTACHING HARDWARE TO ENSURE THEY ARE SECURE/TIGHT. REPEATED USE OF THE ROLL-UP DOORS AND OTHER LOCALIZED VIBRATIONS CAN 'WORK' THE SCREWS LOOSE AND MAY NEED TO BE RE-TIGHTENED.

SECURE THE DOOR TRACKS TO THE 2X6 SYP PER THE MANUFACTURER'S INSTRUCTIONS.

THIS DOOR(S) DOES NOT IMPACT THE STRUCTURES RESISTANCE TO THE DESIGN STRESSES AS PER THE 2023 8th EDITION OF THE FLORIDA BUILDING CODE.

| | |
|--------|---------------------------------|
| TITLE: | END WALL - STEEL LAP/LUMBERJACK |
|--------|---------------------------------|



409 DIXON STREET
VIDALIA, GEORGIA 30474
PHONE NUMBER: (912) 538-1888

| CODE INFORMATION | |
|----------------------------------|---|
| CODE VERSION | IBC 2023 8th Edition, ASCE-7-22, 2020 NEC |
| MANUFACTURER | LARK |
| BUILDING TYPE | MANUFACTURED BUILDING RESIDENTIAL LAWN STORAGE |
| CONSTRUCTION TYPE | V-B |
| FIRE PROTECTION | NONE |
| FIRE SUPPRESSION SYSTEM | NONE |
| OCCUPANCY | UTILITY |
| ALLOWABLE NUMBER OF STORIES | 1 |
| BASIC WIND SPEED | Va=180mph |
| EXPOSURE | C |
| ENCLOSURE | ENCLOSED |
| INTERNAL PRESSURE COEFFICIENT | +/- 0.18 |
| IMPORTANCE FACTOR | 1.0 |
| ROOF DEAD LOAD | 10PSF |
| ROOF LIVE LOAD | 30PSF OR 300lb POINT LOAD |
| FLOOR DEAD LOAD | 10PSF |
| FLOOR LIVE LOAD | 75/125PSF |
| "R" RATING OF WALLS, FLOOR, ROOF | N/A |
| MODULES PER BUILDING | 1 |
| HURRICANE PROTECTION USAGE | NO |
| HURRICANE SHELTER USAGE | NO |
| SQUARE FOOTAGE | 719 SQ.FT. OR LESS |

| REVISIONS | | | |
|-----------|-------------|------|----|
| REV | DESCRIPTION | DATE | BY |
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Florida License #64608

| SKID RUNNER SPACING* UNDER 30' LENGTH | | |
|--|-----|-----|
| SHED WIDTH | A | B |
| 6'-0" | 15" | 42" |
| 8'-0" | 18" | 60" |
| 10'-0" | 18" | 84" |
| 11'-0" | 24" | 84" |
| 11'-8" | 28" | 84" |
| 13'-0" | 36" | 84" |
| 13'-8" | 40" | 84" |

*VALUES ARE FROM END OF JOIST
TO CENTERS OF SKIDS ONLY.

| WIDTH | JOIST SIZE* |
|-----------------|-------------|
| 6'-0" | 2"x4" |
| 6'-1" TO 11'-8" | 2"x6" |
| > 11'-8" | 2"x8" |

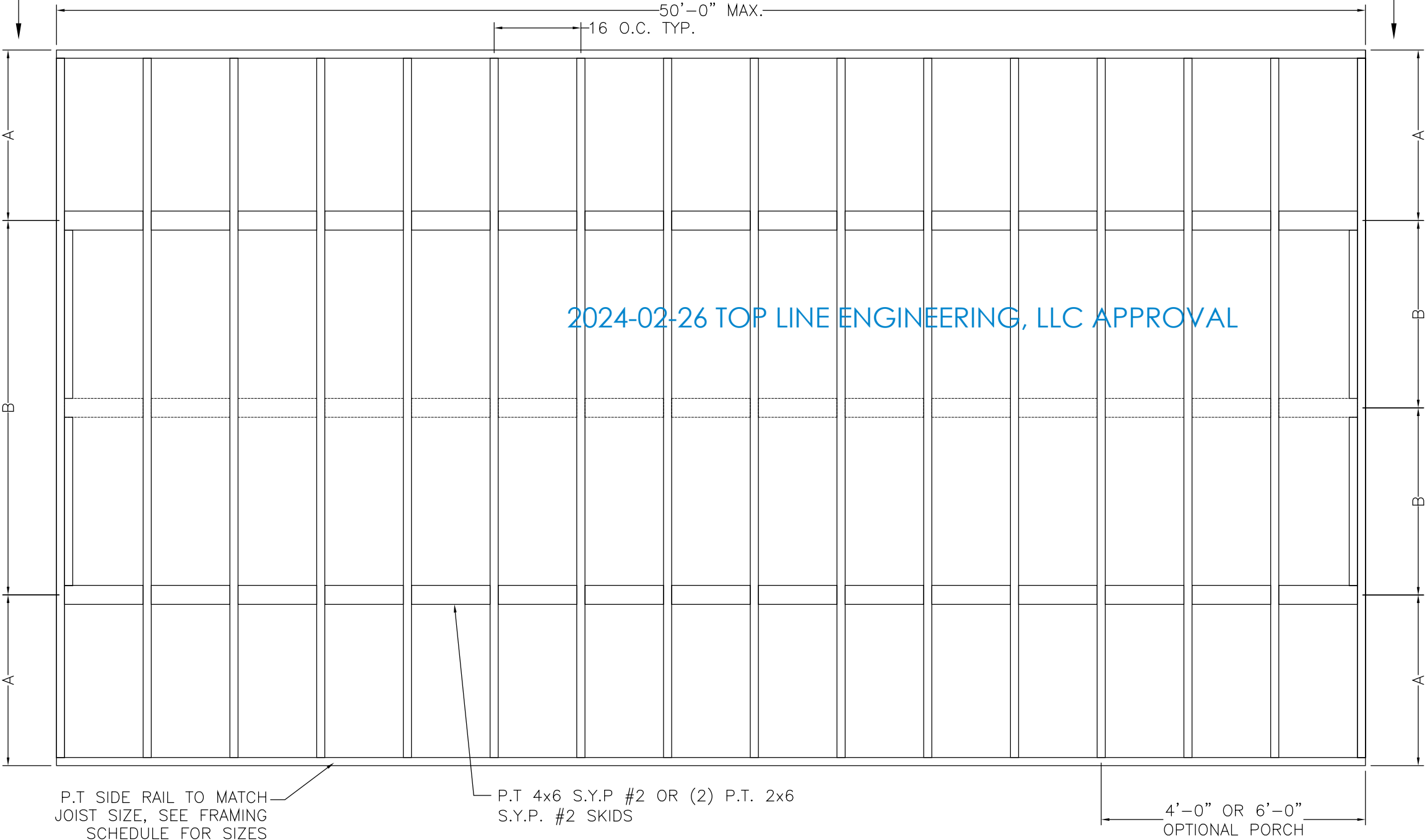
*NOTE: JOISTS CAN BE EITHER #2 S.Y.P. OR 18 GAGE STEEL CHANNELS. THE STEEL CHANNEL ACTUAL DIMENSIONS MATCH THE WOOD ACTUAL DIMENSIONS AND ARE INTERCHANGEABLE.

* $\frac{23}{32}$ " MIN. FLOOR SHEATHING SECURED WITH
 $\frac{3}{8}$ " X 0.113" NAIL @ 6" O.C. MAX EDGE AND FIELD

*FOR GROUND CONTACT & FLOOD ZONES
SKIDS: UC4B MCA 0.23, OR
GR.50 6" C-CHANNEL G90 HOT DIPPED GALV.
COVERED WITH $\frac{3}{4}$ " TREATED UNDERLAYMENT MCA
GROUND CONTACT W/ $\frac{1}{2}$ " SELF-DRILLING EXTERIOR
GRADE FLAT HEAD SCREWS.
FLOOR SHEATHING: UC3B 0.06 EXTERIOR ABOVE GROUND

| SKID RUNNER SPACING* 30' LENGTH AND GREATER | | |
|--|-----|-----|
| SHED WIDTH | A | B |
| 6'-0" | 12" | 24" |
| 8'-0" | 16" | 32" |
| 10'-0" | 20" | 40" |
| 11'-0" | 22" | 44" |
| 11'-8" | 24" | 46" |
| 13'-0" | 26" | 52" |
| 13'-8" | 28" | 56" |

*VALUES ARE FROM END OF JOIST
TO CENTERS OF SKIDS ONLY.



2 & 3 SKID FLOOR FRAMING PLAN

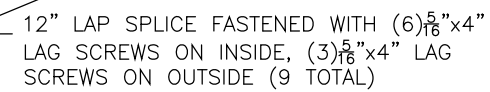


Diagram illustrating the attachment of joists to a skid. The diagram shows a cross-section of a skid and two joists. The joists are attached to the skid using lag screws or Simpson H-3 brackets. The diagram includes the following labels:

- 1½" x 1½" NOTCH FOR EACH JOIST
- ATTACH JOIST TO SKID WITH 5/16" x 4 LAG SCREW OR (2) SIMPSON H-3 AT EACH CROSSING

WALL STUDS

EXTERIOR SHEATHING

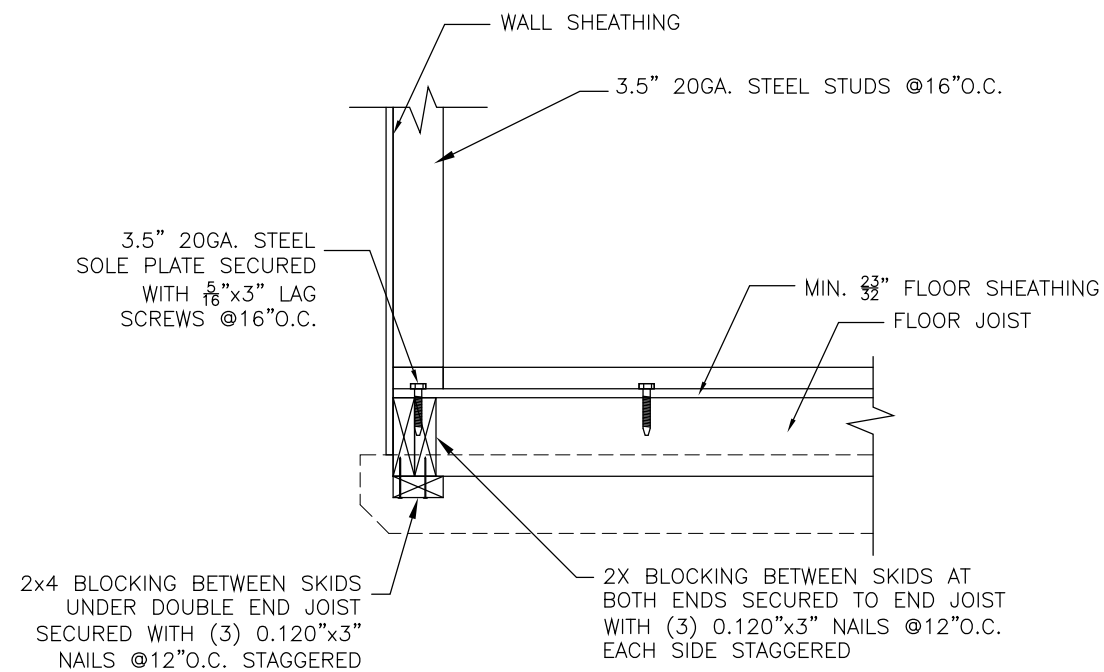
12"x12" OR 16"x4" BETWEEN WALL STUDS. VENT IS SECURED TO SHEATHING AS PER MANUFACTURERS INSTRUCTIONS


HYDROVENT DETAIL
(OPTIONAL)

3"x6" SPLICE PLATE FASTENED WITH
(5)-SENCO K28 NAILS EACH SIDE

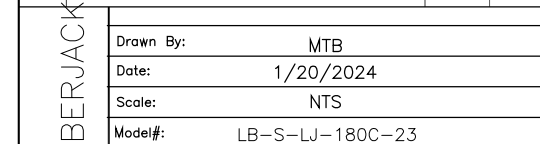
SENCO K28 NAILS, TWO ROWS 1.5"
FROM THE EDGE, @ 12" O.C.,
STAGGER ROWS 6".

*FOR GROUND CONTACT & FLOOD ZONES
SKIDS: UC4B MCA 0.23, OR
GR.50 6" C-CHANNEL G90 HOT DIPPED GALV.
COVERED WITH $\frac{3}{4}$ " TREATED UNDERLAYMENT MCA
GROUND CONTACT W/ $\frac{1}{2}$ " SELF-DRILLING EXTERIOR
GRADE FLAT HEAD SCREWS.
FLOOR SHEATHING: UC3B 0.06 EXTERIOR ABOVE GROUND



 **TOP LINE ENGINEERING, LLC**
STRUCTURAL ENGINEERS

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