STRUCTURAL DESIGN
ENCLOSED BUILDING

MAXIMUM 32'-0" - 60'-0" WIDE X 20'-0" EAVE HEIGHT-BOX EAVE FRAME

12 February 2021
Revision 2
M&A Project No. 18195S/20019S/20324S

Prepared for:

Steel Building Structures, Inc.
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Prepared by:

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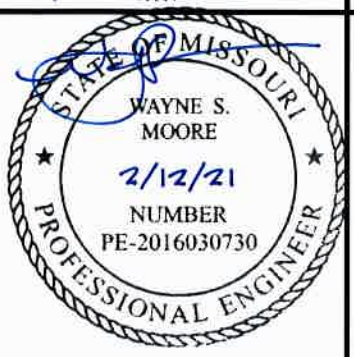
PROJECT MGR: WSM	DATE: 2-12-21	SCALE: NTS	JOB NO: 18195S/ 20019S/20324S
CLIENT: SBSI	SHT. 1	DWG. NO: SK-3	REV.: 2

Professional Certification.
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 49744, Expiration Date 8/8/22



I HAVE RESEARCHED THIS CHAPTER AND THE LOUISIANA STATE UNIFORM CONSTRUCTION CODE AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, THESE DRAWINGS ARE IN COMPLIANCE THEREWITH. I TAKE FULL RESPONSIBILITY FOR THE CONTENTS OF THESE PLANS.

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P.O. BOX 1287,
MOUNT AIRY, NC 27030
32'-0"-60'-0"x20'-0" ENCLOSED BUILDING

DATE: 2-12-21 | SCALE: NTS | JOB NO: 18195S/20019S/20324S
SHT. 1A | DWG. NO: SK-3 | REV: 2

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INSTALLATION NOTES AND SPECIFICATIONS

1. DESIGN IS FOR MAXIMUM 32'-0"-60'-0" WIDE x 20'-0" EAVE HEIGHT ENCLOSED STORAGE STRUCTURES.
2. DESIGN WAS DONE IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE (FBC) 7TH EDITION, 2018 NORTH CAROLINA BUILDING CODE, 2006 INTERNATIONAL BUILDING CODE (IBC), 2009 IBC, 2012 IBC, 2015 IBC AND 2018 IBC.
3. DESIGN LOADS ARE AS FOLLOWS:
   A) DEAD LOAD = 1.5 PSF
   B) ROOF LIVE LOAD = 20 PSF
   C) GROUND SNOW LOAD = 35 PSF
   NOTE: (UNBALANCED SNOW LOADS DUE TO DRIFTING HAVE NOT BEEN EVALUATED)
4. 3-SECOND GUST ULTIMATE WIND SPEED = 105 TO 155 MPH (NOMINAL WIND SPEED = 81 TO 120 MPH).
5. MAXIMUM RAFTER/COLUMN AND END COLUMN SPACING = 5.0 FEET; 4.0 FEET FOR BUILDING WIDTH 52'-0" < W $\leq$ 60'-0" (EXP. C) (UNLESS NOTED OTHERWISE).
6. END WALL COLUMNS (POSTS) ARE SIMILAR TO SIDE WALL POSTS IN SIZE AND SPACING (UNLESS NOTED OTHERWISE).
7. LOW HAZARD RISK CATEGORY I/II.
8. WIND EXPOSURE CATEGORY B/C.
9. SPECIFICATIONS APPLICABLE TO 29 GAUGE METAL PANELS FASTENED DIRECTLY TO 2 1/2" x 2 1/2" - 14 GAUGE STEEL TUBE FRAMING MEMBERS (UNLESS NOTED OTHERWISE).
10. AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS (INTERIOR AND EDGE) = 8 INCHES.
11. FASTENERS CONSIST OF 1/4"x3/4" SELF-DRILLING FASTENERS WITH CONTROL SEAL WASHER. SPECIFICATIONS APPLICABLE ONLY FOR MEAN ROOF HEIGHT OF 20 FEET OR LESS, AND ROOF SLOPES OF 14° (3:12 PITCH). SPACING REQUIREMENTS FOR OTHER ROOF HEIGHTS AND/OR SLOPES MAY VARY. ROOF SLOPES LESS THAN 3:12 REQUIRE USE OF LAP JOINT SEALANT.
12. ANCHORS SHALL BE INSTALLED THROUGH BASE RAIL WITHIN 6" OF EACH COLUMN (POST) ALONG SIDES AND ENDS.
13. WIND FORCES GOVERN OVER SEISMIC FORCES. SEISMIC PARAMETERS ANALYZED ARE:
    SOIL SITE CLASS = D
    RISK CATEGORY I/II
    R= 3.25
    S_{DS}= 2.039 g
    S_{D1}= 1.258 g
    I_E= 1.0
    V= C_SW
14. WINDOW AND DOOR PRESSURE VALUES ARE APPLICABLE TO THE STATE OF FLORIDA.
15. MAXIMUM THRESHOLD HEIGHT IS $\leq$ 1/2" FOR PERSONNEL DOORS USED AS MEANS OF EGRESS.

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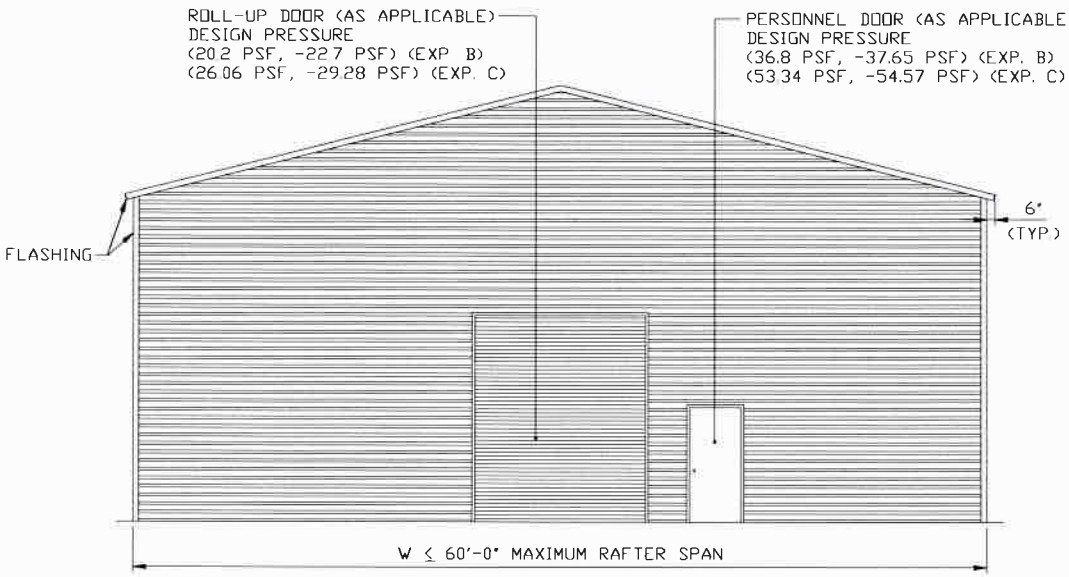

TYPICAL END ELEVATION-HORIZONTAL ROOF

SCALE: NTS

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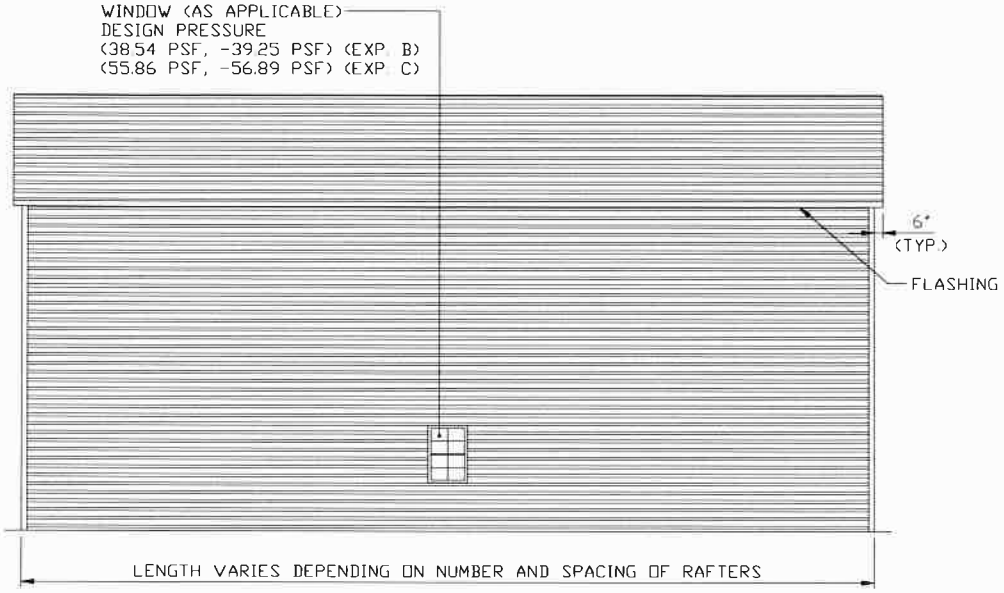

TYPICAL SIDE ELEVATION-HORIZONTAL ROOF

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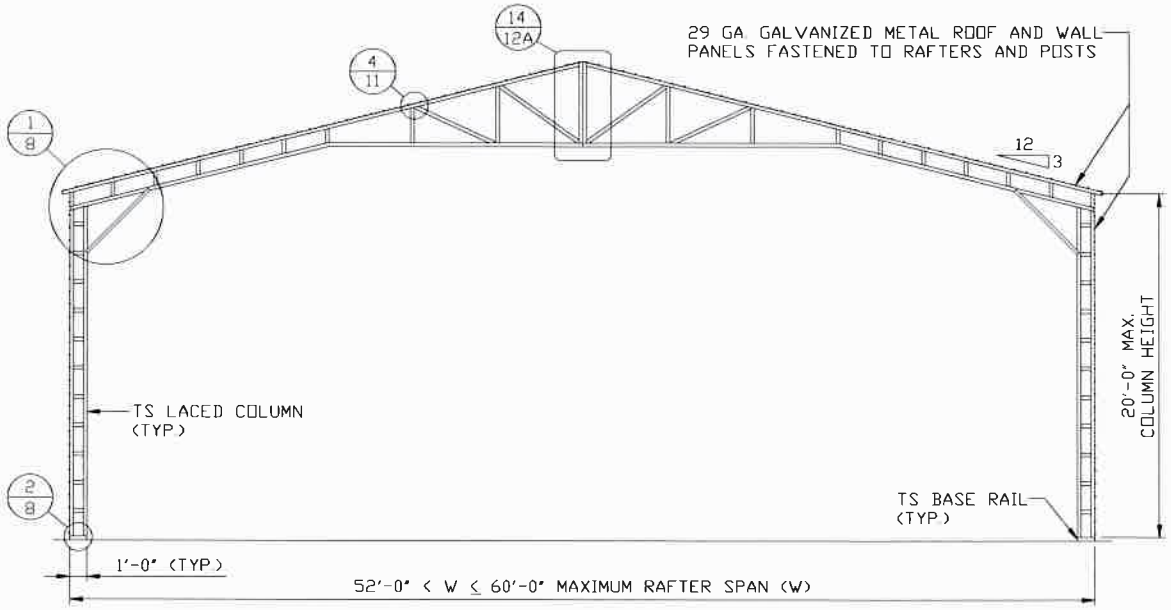

TYPICAL RAFTER/COLUMN FRAME SECTION

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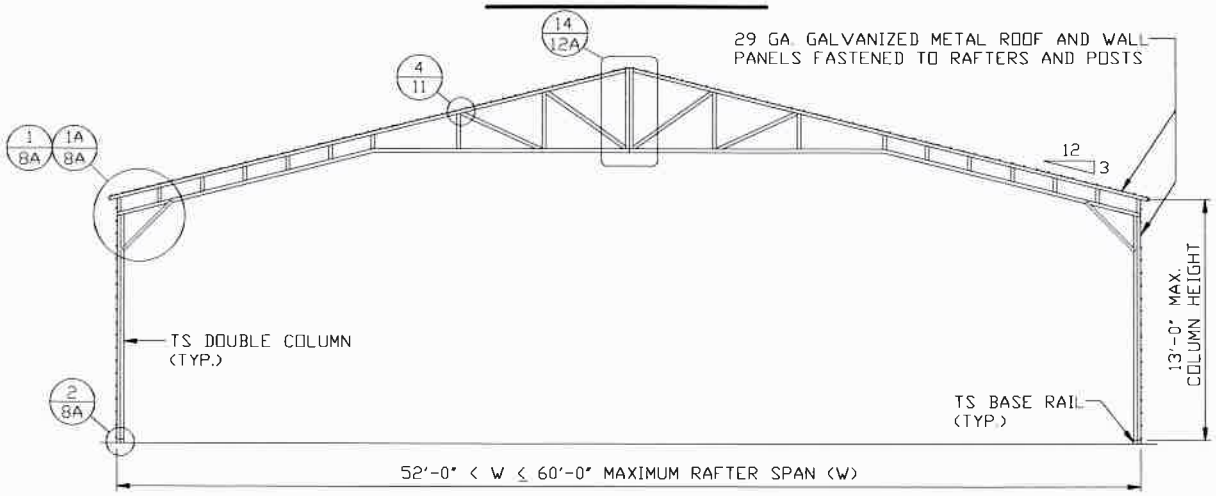

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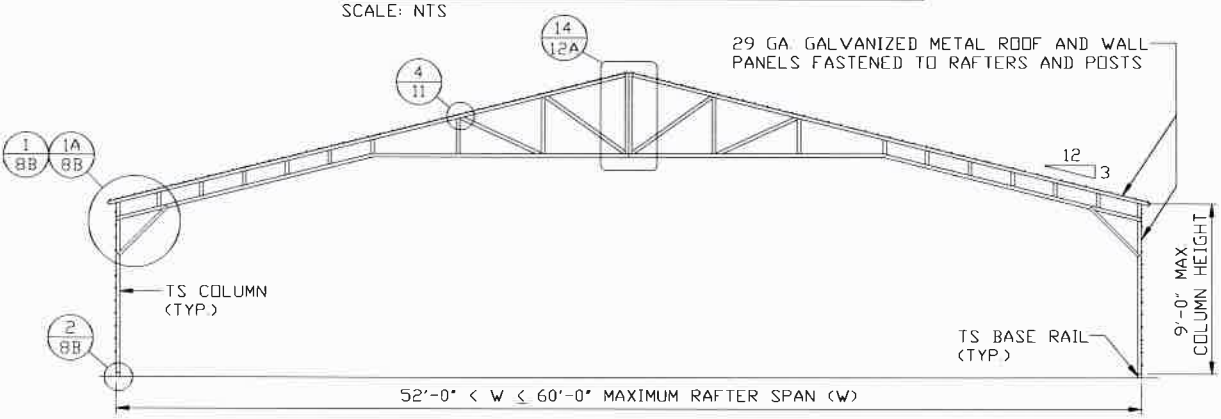

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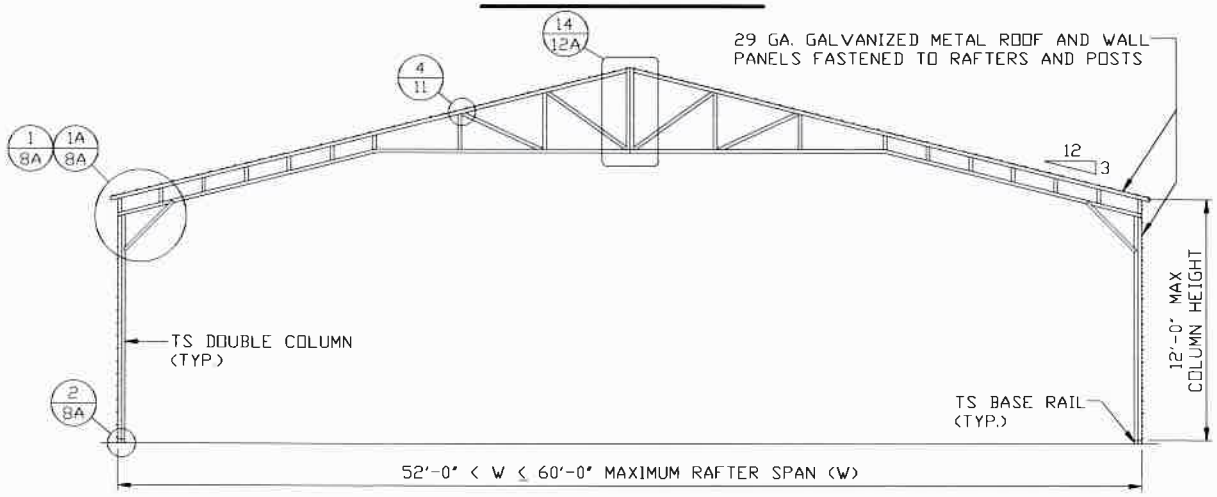

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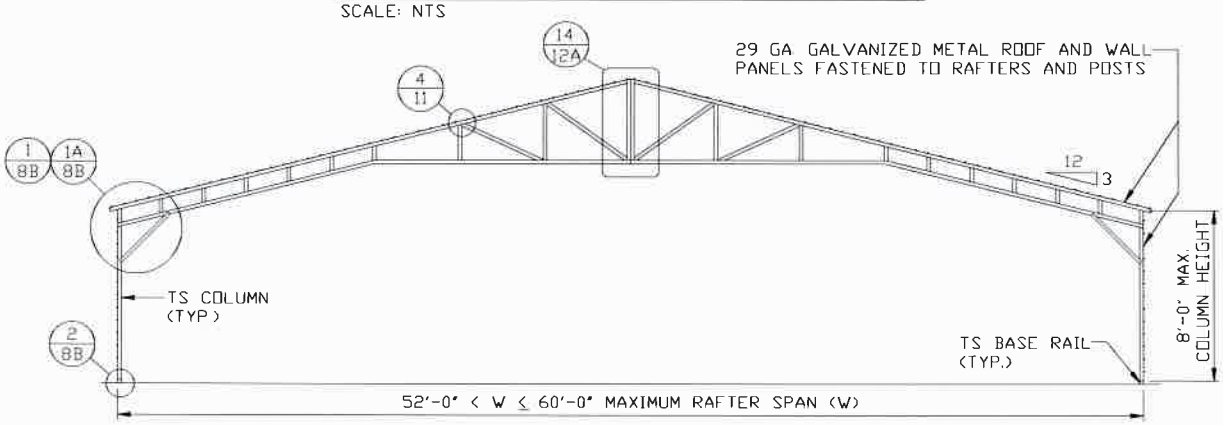

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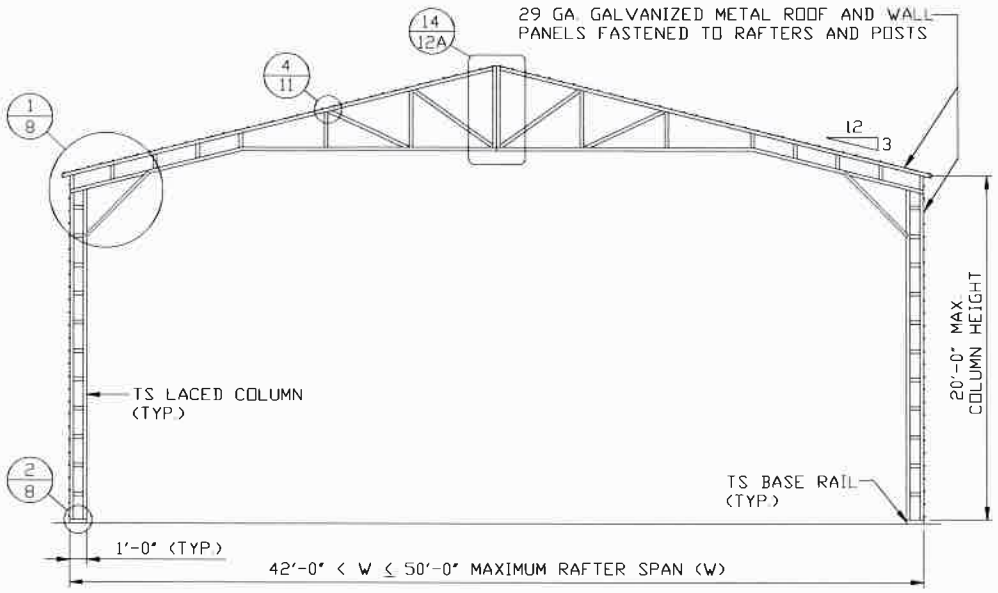

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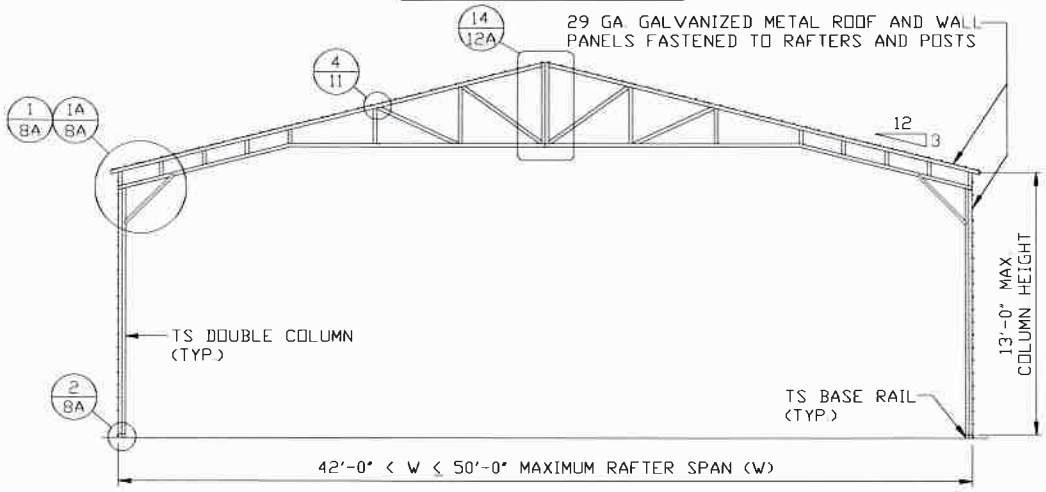

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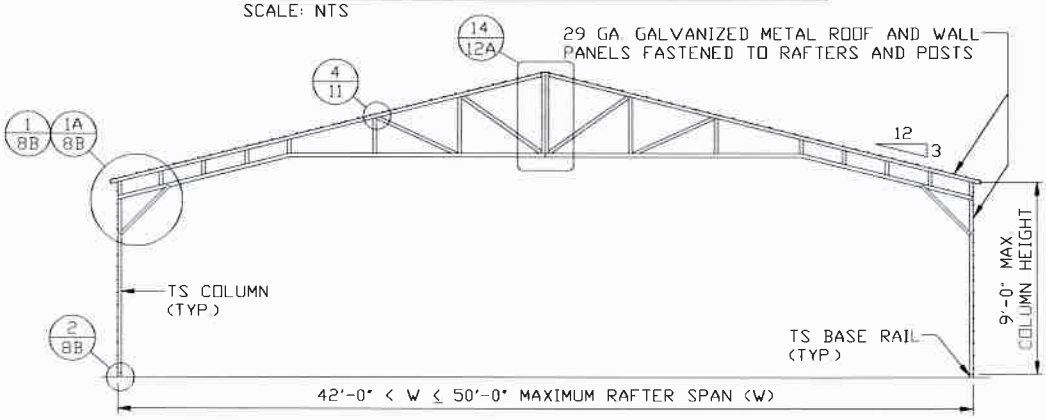

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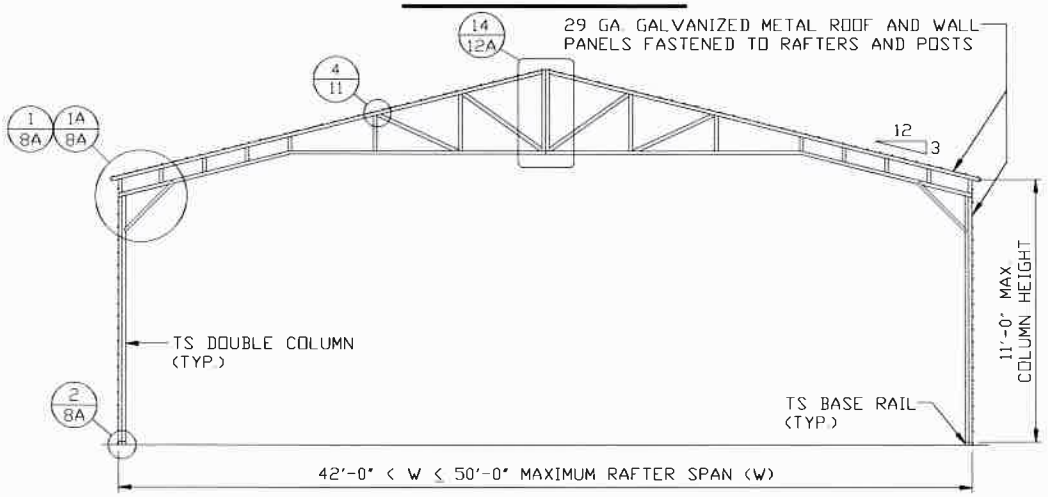

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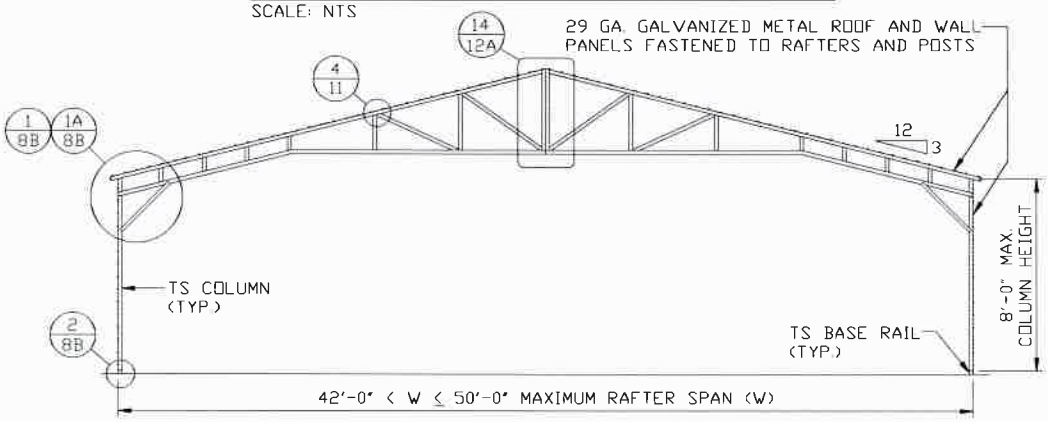

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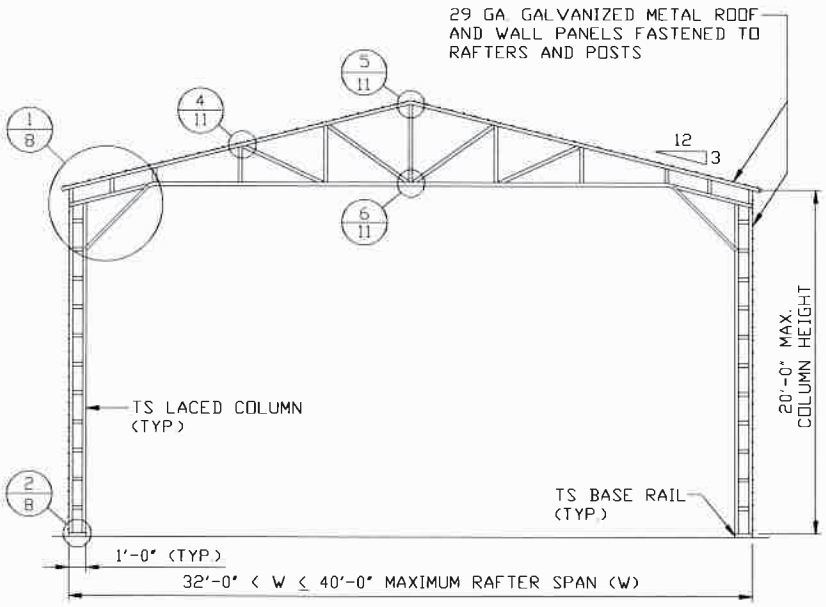

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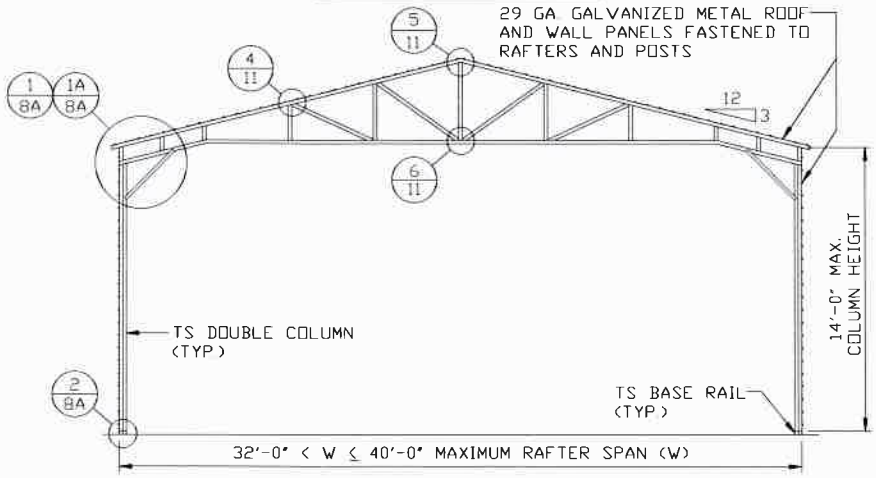

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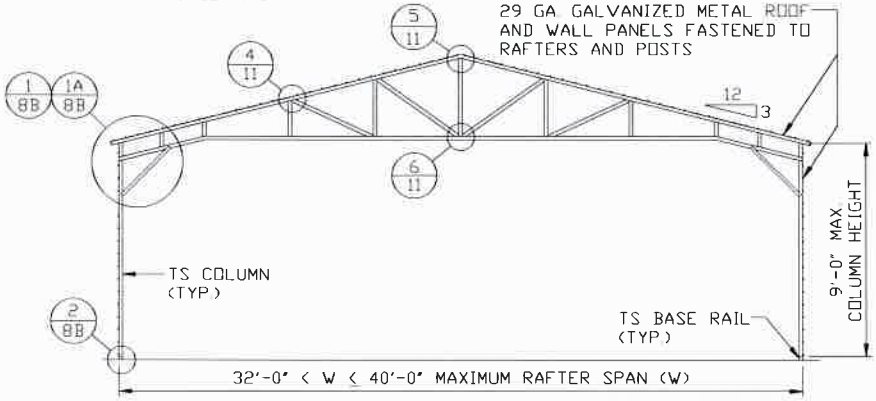

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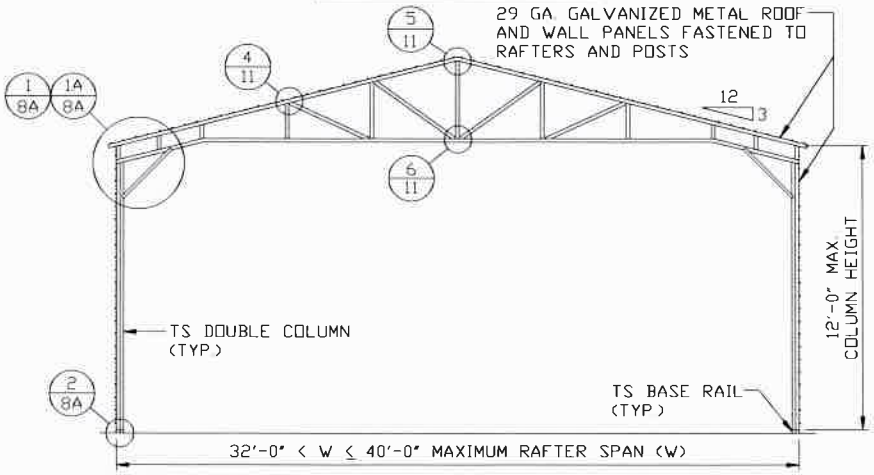

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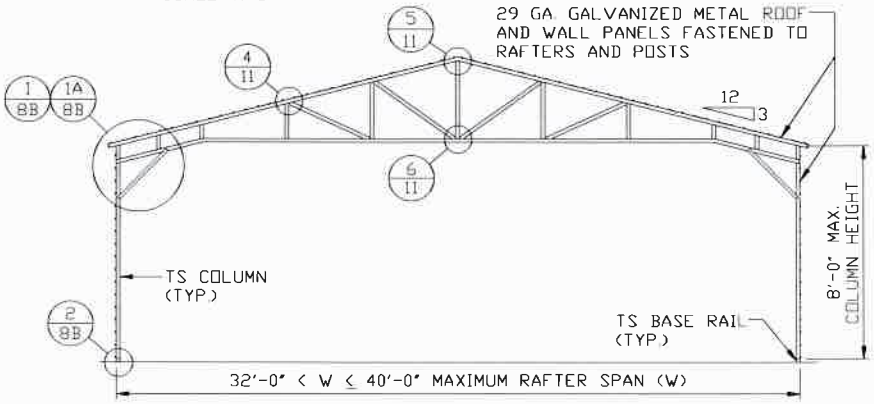

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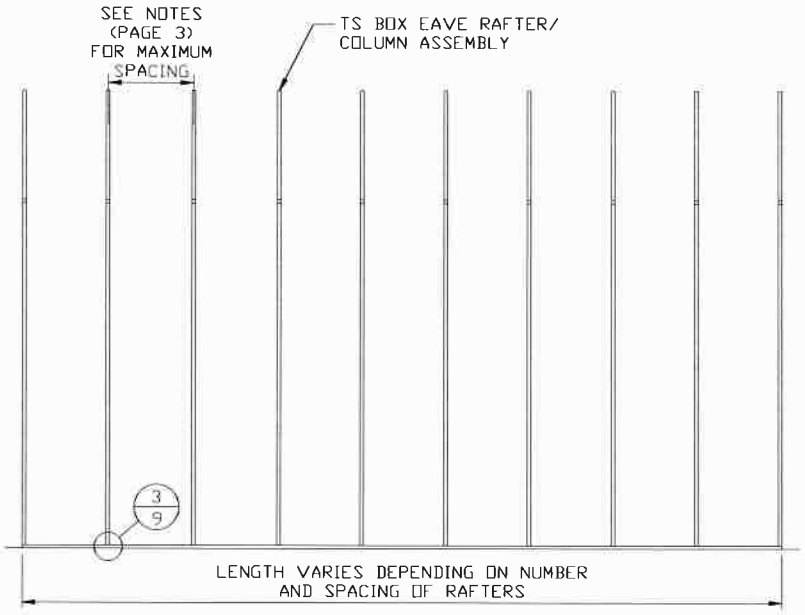

TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

SCALE: NTS

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	CHECKED BY: PDH			
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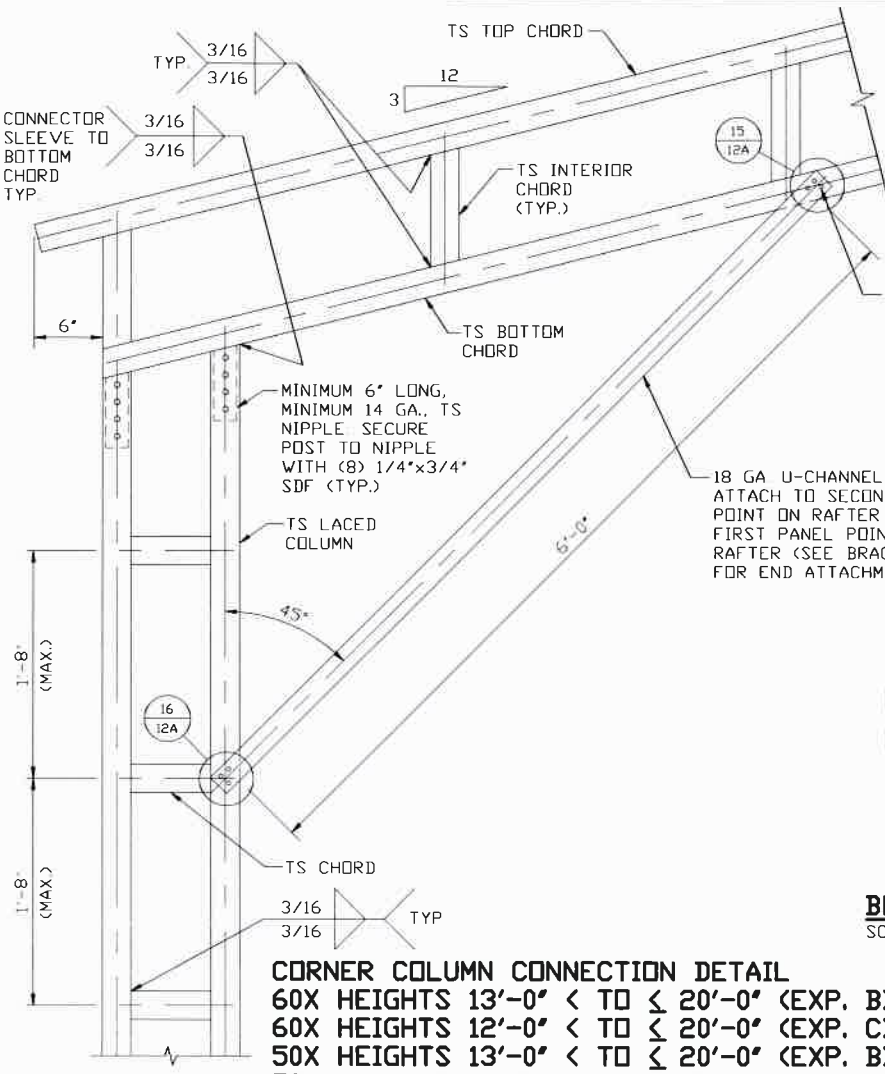
	CLIENT: SBSI	SHT. 7C	DWG. NO: SK-3	REV: 2

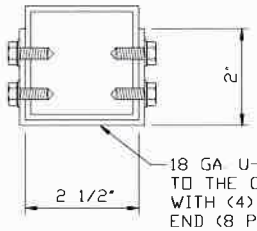
LACED TUBE COLUMN OPTION



CORNER COLUMN CONNECTION DETAIL

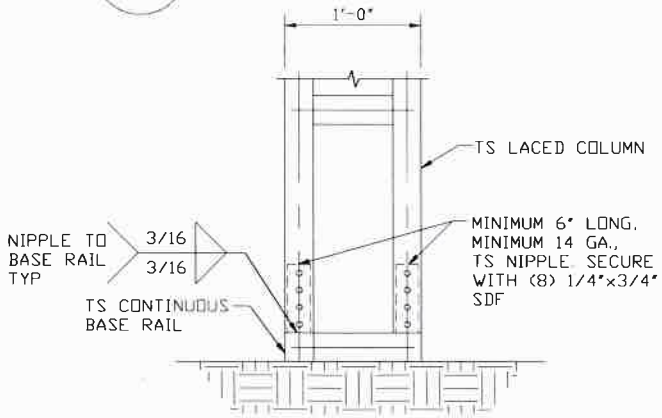
60X HEIGHTS 13'-0" < TO ≤ 20'-0" (EXP. B)
60X HEIGHTS 12'-0" < TO ≤ 20'-0" (EXP. C)
50X HEIGHTS 13'-0" < TO ≤ 20'-0" (EXP. B)
50X HEIGHTS 11'-0" < TO ≤ 20'-0" (EXP. C)
40X HEIGHTS 14'-0" < TO ≤ 20'-0" (EXP. B)
40X HEIGHTS 12'-0" < TO ≤ 20'-0" (EXP. C)

1 SCALE: NTS



BRACE SECTION

SCALE: NTS



COLUMN/BASE RAIL CONNECTION DETAIL

2 SCALE: NTS

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	CHECKED BY: PDH			
	PROJECT MGR: WSM	DATE: 2-12-21	SCALE: NTS	JOB NO: 18195S/ 20019S/20324S
	CLIENT: SBSI	SHT. 8	DWG. NO: SK-3	REV: 2

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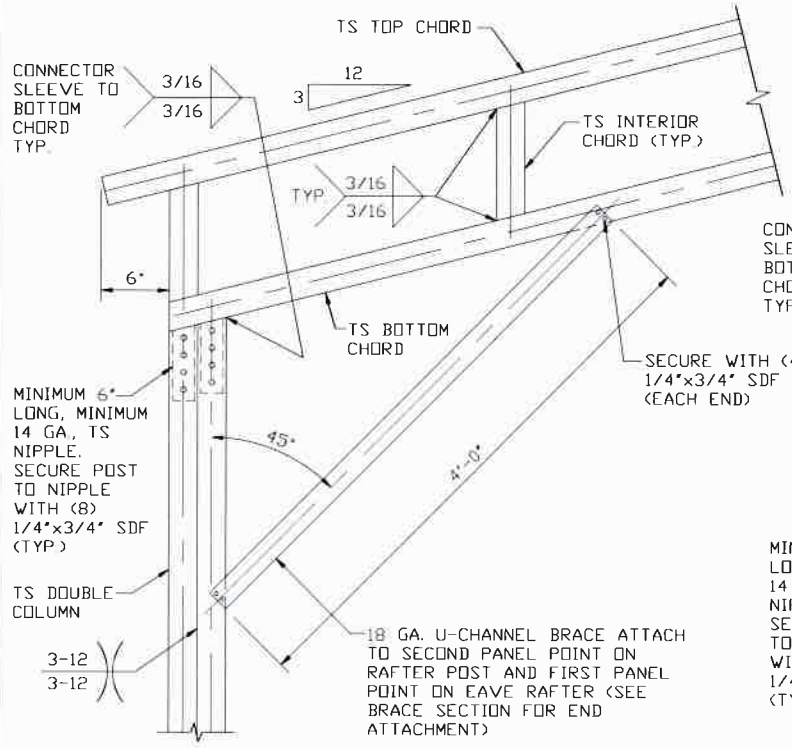
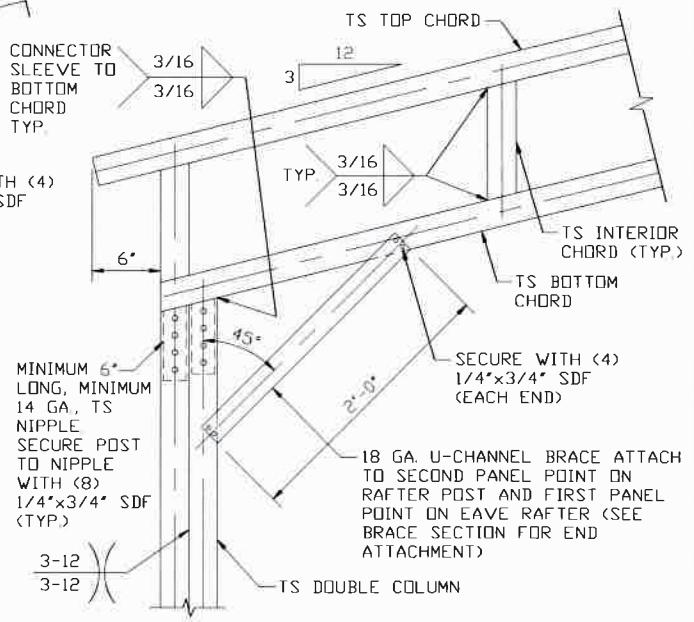
DOUBLE TUBE COLUMN OPTION



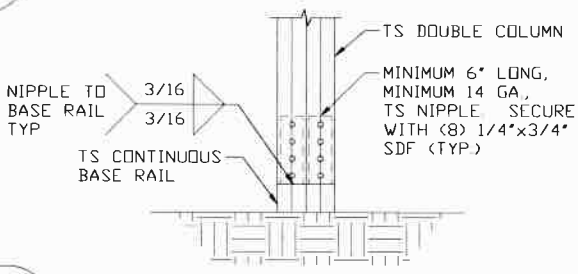
CORNER COLUMN CONNECTION DETAIL
60X HEIGHTS 9'-0" < TO ≤ 13'-0" (EXP. B)
60X HEIGHTS 11'-0" < TO ≤ 12'-0" (EXP. C)
50X HEIGHTS 9'-0" < TO ≤ 13'-0" (EXP. B)
50X HEIGHTS 10'-0" < TO ≤ 11'-0" (EXP. C)
40X HEIGHTS 9'-0" < TO ≤ 14'-0" (EXP. B)
40X HEIGHTS 10'-0" < TO ≤ 12'-0" (EXP. C)

1 SCALE: NTS



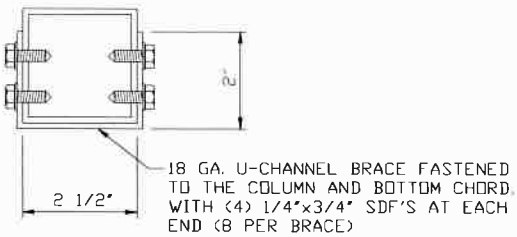
CORNER COLUMN CONNECTION DETAIL
60X HEIGHTS 8'-0" < TO ≤ 11'-0" (EXP. C)
50X HEIGHTS 8'-0" < TO ≤ 10'-0" (EXP. C)
40X HEIGHTS 8'-0" < TO ≤ 10'-0" (EXP. C)

1A SCALE: NTS



COLUMN/BASE RAIL CONNECTION DETAIL

2 SCALE: NTS



BRACE SECTION

SCALE: NTS

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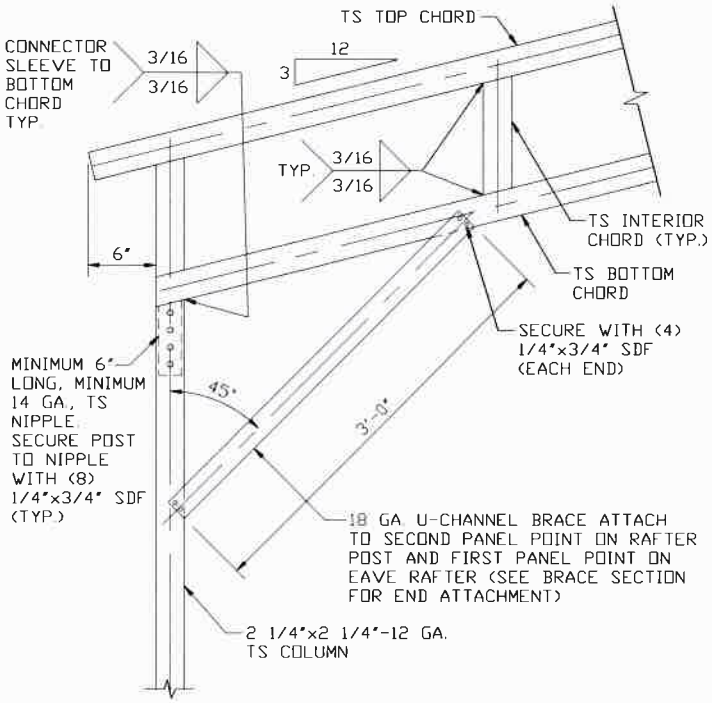
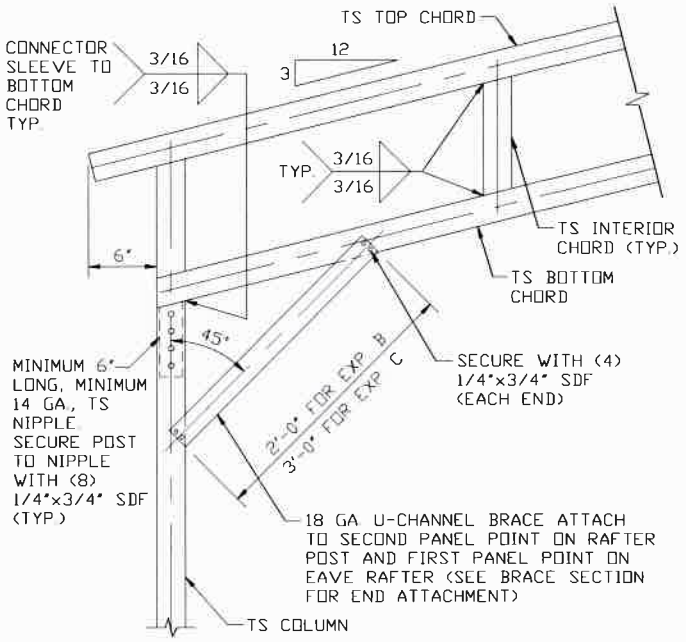
	CLIENT: SBSI	SHT. 8A	DWG. NO: SK-3	REV: 2

SINGLE TUBE COLUMN OPTION



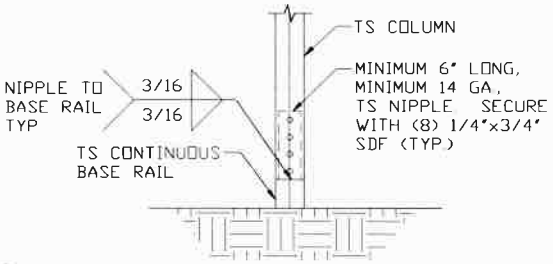
CORNER COLUMN CONNECTION DETAIL
60X HEIGHTS 8'-0" < TO ≤ 9'-0" (EXP. B)
50X HEIGHTS 8'-0" < TO ≤ 9'-0" (EXP. B)
50X HEIGHTS ≤ 8'-0" (EXP. C)
40X HEIGHTS 8'-0" < TO ≤ 9'-0" (EXP. B)
40X HEIGHTS ≤ 8'-0" (EXP. C)

1 SCALE: NTS

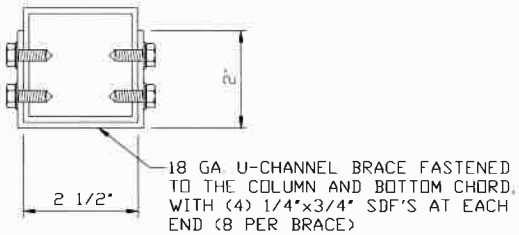


CORNER COLUMN CONNECTION DETAIL
60X HEIGHTS ≤ 8'-0" (EXP. B & C)
50X HEIGHTS ≤ 8'-0" (EXP. B)
40X HEIGHTS ≤ 8'-0" (EXP. B & C)

1A SCALE: NTS



2 **COLUMN/BASE RAIL CONNECTION DETAIL**
SCALE: NTS



BRACE SECTION
SCALE: NTS

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	PROJECT MGR: WSM	DATE: 2-12-21	SCALE: NTS	JOB NO: 18195S/ 20019S/20324S
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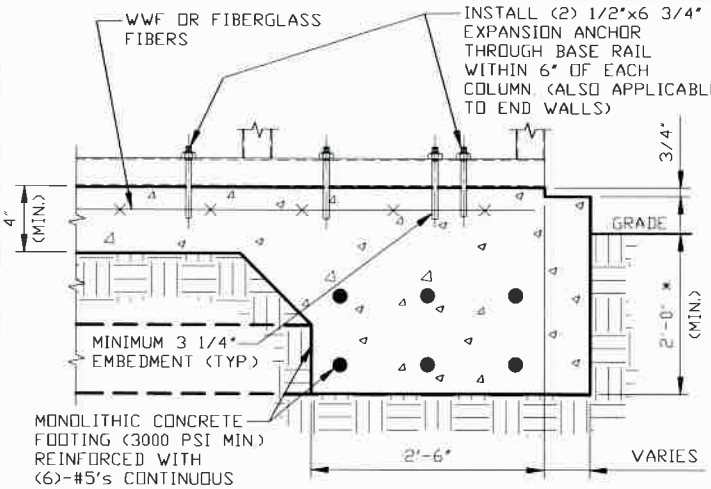
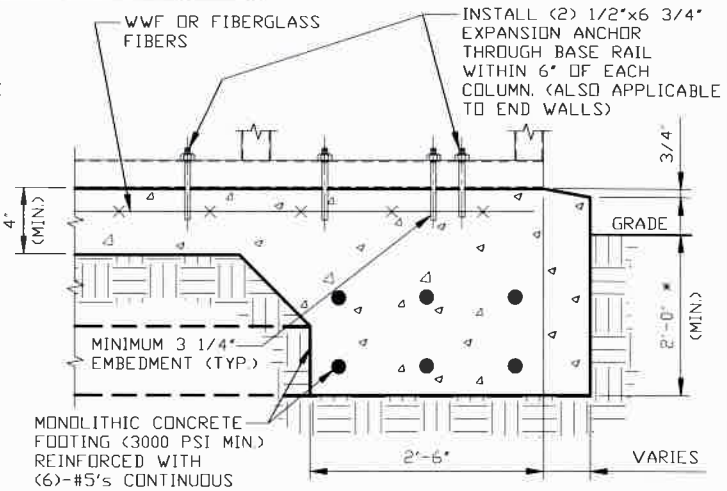
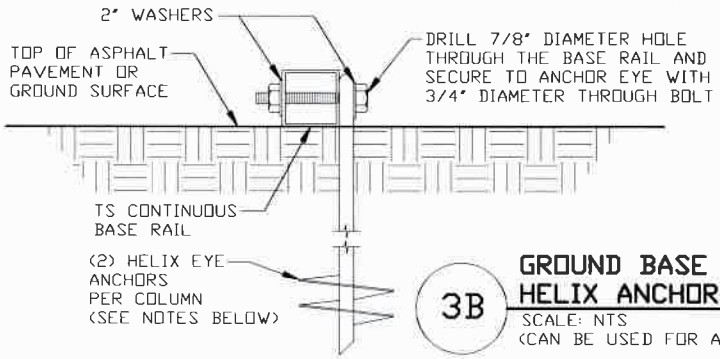
BASE RAIL ANCHORAGE (60X)



3 **CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE**
SCALE: NTS
(MINIMUM ANCHOR EDGE DISTANCE IS 4"
* COORDINATE WITH LOCAL CODES/ORD.



3A **CONCRETE MONOLITHIC SLAB RAIL ANCHORAGE**
SCALE: NTS
(MINIMUM ANCHOR EDGE DISTANCE IS 4"
* COORDINATE WITH LOCAL CODES/ORD.



3B **GROUND BASE HELIX ANCHORAGE**
SCALE: NTS
(CAN BE USED FOR ASPHALT)

GENERAL NOTES

NOTE: CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 1,500 PSF.

CONCRETE:

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.

COVER OVER REINFORCING STEEL:

FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE PER ACI-318:
3" IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER, AND 1 1/2" ELSEWHERE.

REINFORCING STEEL:

THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT.

REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED:

1. REINFORCEMENT IS BENT COLD.
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

HELIX ANCHOR NOTES:

1. FOR VERY DENSE AND/OR CEMENTED SANDS, COARSE GRAVEL AND COBBLES, CALICHE, PRELOADED SILTS AND CLAYS, USE MINIMUM (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM 50" EMBEDMENT.
2. FOR CORAL USE MINIMUM (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM 50" EMBEDMENT.
3. FOR MEDIUM DENSE COARSE SANDS, SANDY GRAVELS, VERY STIFF SILTS, AND CLAYS USE MINIMUM (2) 4" HELICES WITH MINIMUM 30 INCH EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM 50" EMBEDMENT.
4. FOR LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS ALLUVIAL FILL, USE MINIMUM (2) 6" HELICES WITH MINIMUM 50" EMBEDMENT.
5. FOR VERY LOSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER CLAYS AND SILTS, ALLUVIAL FILL, USE MINIMUM (2) 8" HELICES WITH MINIMUM 60" EMBEDMENT.

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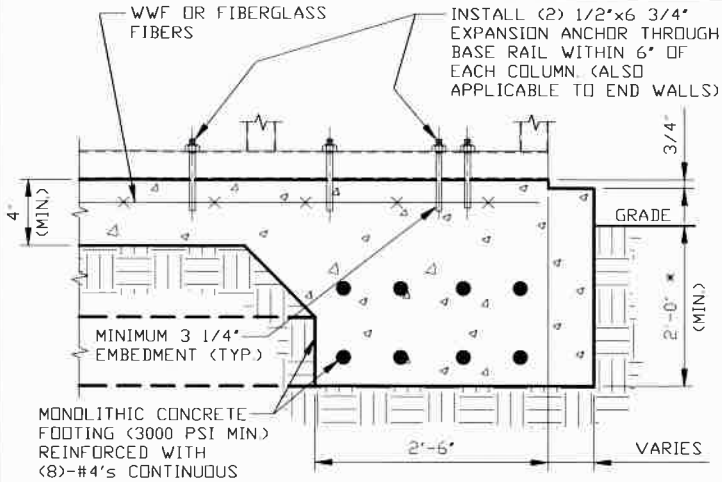
CHECKED BY: PDH			
PROJECT MGR: WSM	DATE: 2-12-21	SCALE: NTS	JOB NO: 18195S/ 20019S/20324S
CLIENT: SBSI	SHT. 9	DWG. NO: SK-3	REV.: 2

BASE RAIL ANCHORAGE (50X)

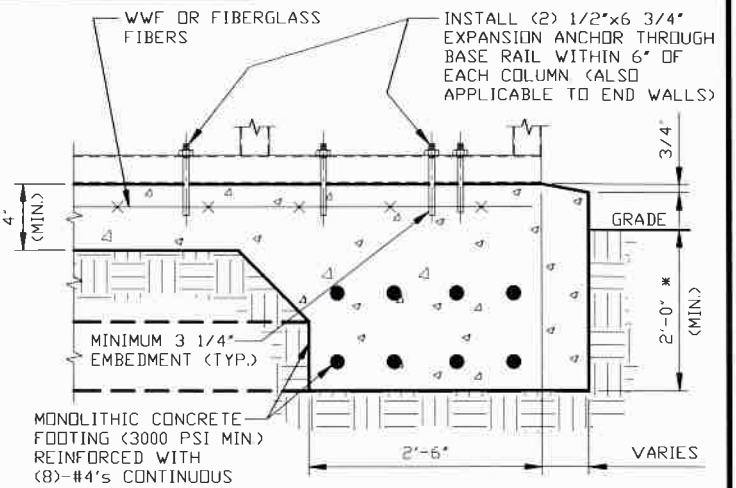


3 **CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE**

SCALE: NTS

(MINIMUM ANCHOR EDGE DISTANCE IS 4"

* COORDINATE WITH LOCAL CODES/ORD.



3A **CONCRETE MONOLITHIC SLAB RAIL ANCHORAGE**

SCALE: NTS

(MINIMUM ANCHOR EDGE DISTANCE IS 4"

* COORDINATE WITH LOCAL CODES/ORD.

GENERAL NOTES

NOTE: CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 1,500 PSF.

CONCRETE:

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS

COVER OVER REINFORCING STEEL:

FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE PER ACI-318:
3" IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER, AND 1 1/2" ELSEWHERE.

REINFORCING STEEL:

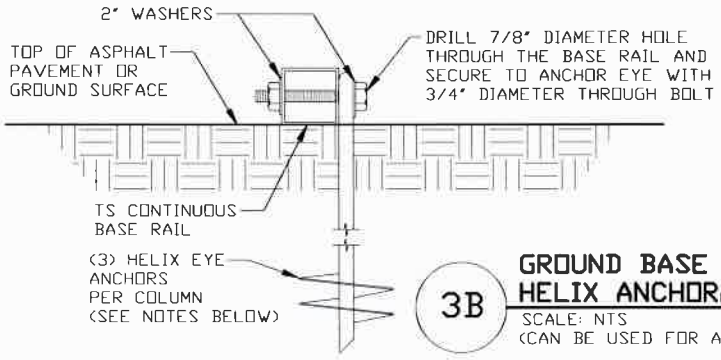
THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT.

REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED:

1. REINFORCEMENT IS BENT COLD.
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS.
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

HELIX ANCHOR NOTES:

1. FOR VERY DENSE AND/OR CEMENTED SANDS, COARSE GRAVEL AND COBBLES, CALICHE, PRELOADED SILTS AND CLAYS, USE MINIMUM (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM 50" EMBEDMENT.
2. FOR CORAL USE MINIMUM (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM 50" EMBEDMENT.
3. FOR MEDIUM DENSE COARSE SANDS, SANDY GRAVELS, VERY STIFF SILTS, AND CLAYS USE MINIMUM (2) 4" HELICES WITH MINIMUM 30 INCH EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM 50" EMBEDMENT.
4. FOR LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS ALLUVIAL FILL, USE MINIMUM (2) 6" HELICES WITH MINIMUM 50" EMBEDMENT.
5. FOR VERY LOSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER CLAYS AND SILTS, ALLUVIAL FILL, USE MINIMUM (2) 8" HELICES WITH MINIMUM 60" EMBEDMENT.



3B **GROUND BASE HELIX ANCHORAGE**

SCALE: NTS

(CAN BE USED FOR ASPHALT)

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	CHECKED BY: PDH			
	PROJECT MGR: WSM	DATE: 2-12-21	SCALE: NTS	JOB NO: 18195S/ 20019S/20324S
	CLIENT: SBSI	SHT. 9A	DWG. NO: SK-3	REV.: 2

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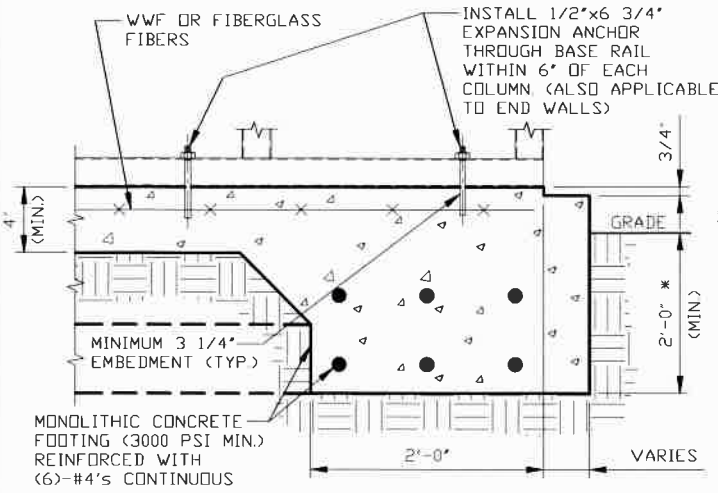
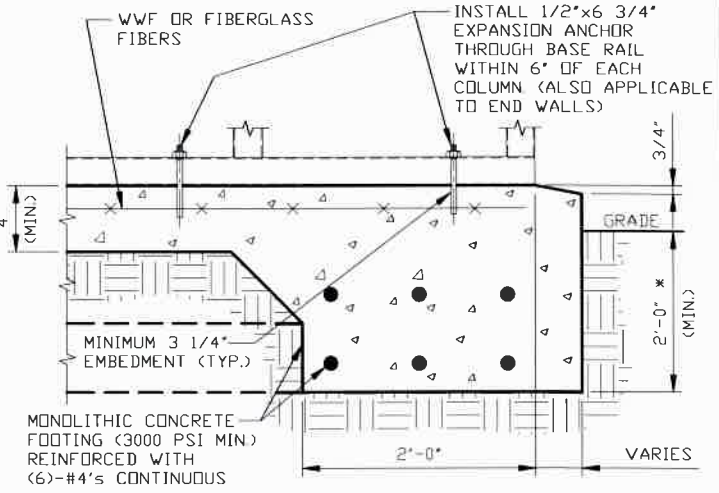
BASE RAIL ANCHORAGE (40X)



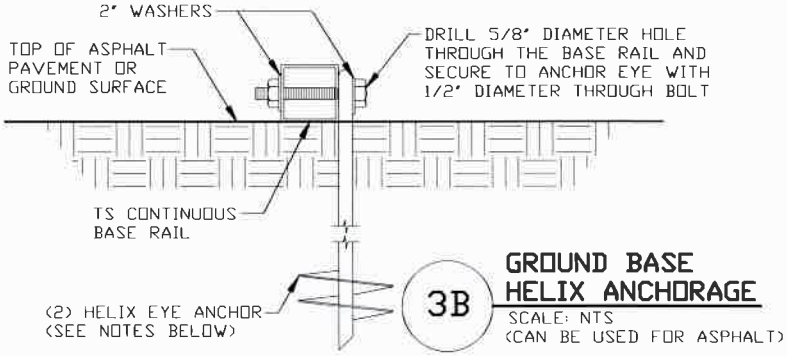
3 **CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE**

SCALE: NTS
(MINIMUM ANCHOR EDGE DISTANCE IS 4"
* COORDINATE WITH LOCAL CODES/ORD.



3A **CONCRETE MONOLITHIC SLAB RAIL ANCHORAGE**

SCALE: NTS
(MINIMUM ANCHOR EDGE DISTANCE IS 4"
* COORDINATE WITH LOCAL CODES/ORD.



3B **GROUND BASE HELIX ANCHORAGE**

SCALE: NTS
(CAN BE USED FOR ASPHALT)

GENERAL NOTES

NOTE: CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 1,500 PSF.

CONCRETE:

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.

COVER OVER REINFORCING STEEL:

FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE PER ACI-318:
3" IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER, AND 1 1/2" ELSEWHERE.

REINFORCING STEEL:

THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT.

REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED:

1. REINFORCEMENT IS BENT COLD.
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS.
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

HELIX ANCHOR NOTES:

1. FOR VERY DENSE AND/OR CEMENTED SANDS, COARSE GRAVEL AND COBBLES, CALICHE, PRELOADED SILTS AND CLAYS, USE MINIMUM (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM 50" EMBEDMENT
2. FOR CORAL USE MINIMUM (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM 50" EMBEDMENT.
3. FOR MEDIUM DENSE COARSE SANDS, SANDY GRAVELS, VERY STIFF SILTS, AND CLAYS USE MINIMUM (2) 4" HELICES WITH MINIMUM 30 INCH EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM 50" EMBEDMENT.
4. FOR LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS ALLUVIAL FILL, USE MINIMUM (2) 6" HELICES WITH MINIMUM 50" EMBEDMENT.
5. FOR VERY LOSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER CLAYS AND SILTS, ALLUVIAL FILL, USE MINIMUM (2) 8" HELICES WITH MINIMUM 60" EMBEDMENT.

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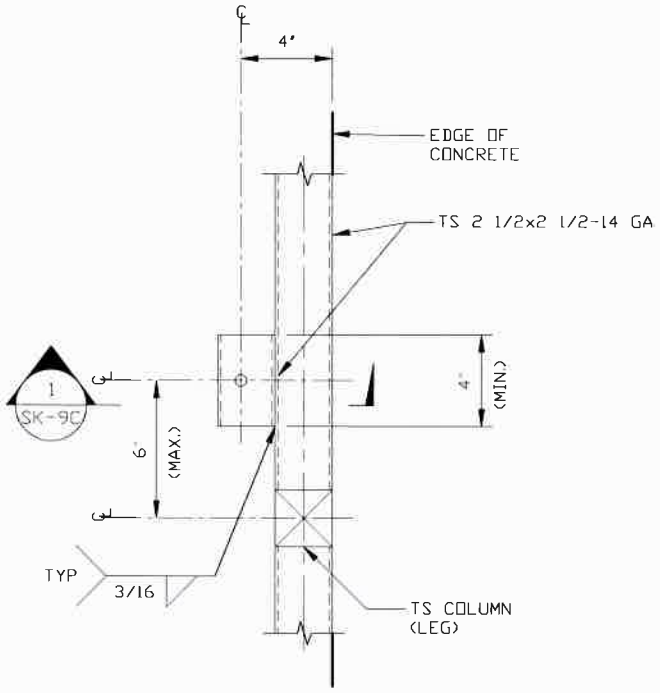
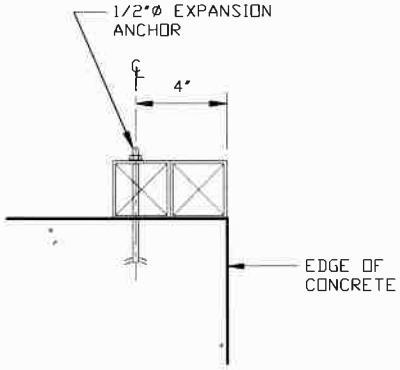
CHECKED BY: PDH			
PROJECT MGR: WSM	DATE: 2-12-21	SCALE: NTS	JOB NO: 18195S/ 20019S/20324S
CLIENT: SBSI	SHT. 9B	DWG. NO: SK-3	REV: 2

BASE RAIL ANCHORAGE OPTIONS

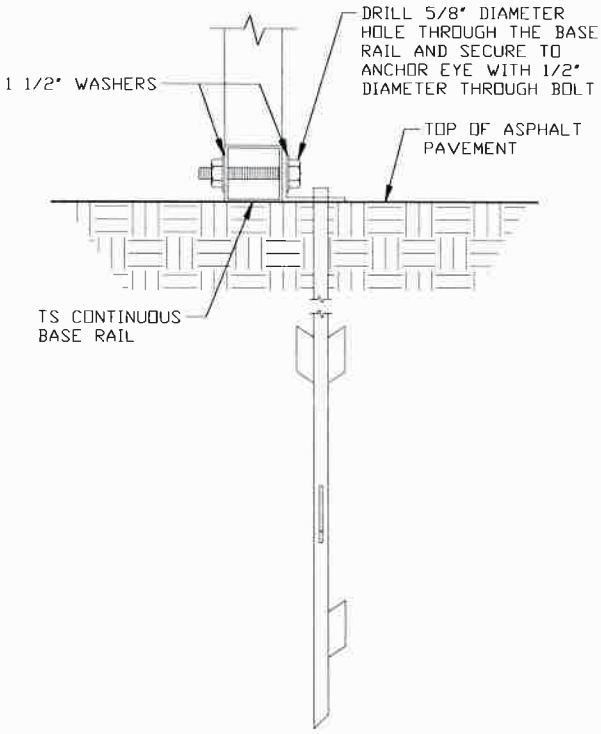




SECTION 1 SK-9C
SCALE: NTS

TYPICAL ANCHOR DETAIL WHEN BASE RAIL IS NEAR EDGE OF CONCRETE

SCALE: NTS



3C ASPHALT BASE ANCHORAGE
SCALE: NTS

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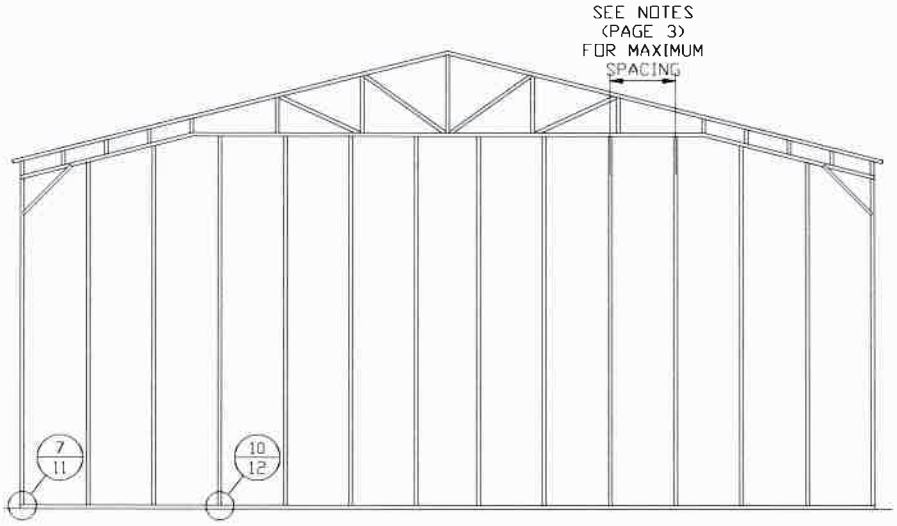
CLIENT: SBSI	SHT. 9C	DWG. NO: SK-3	REV.: 2

END WALL



TYPICAL END WALL FRAMING SECTION

SCALE: NTS

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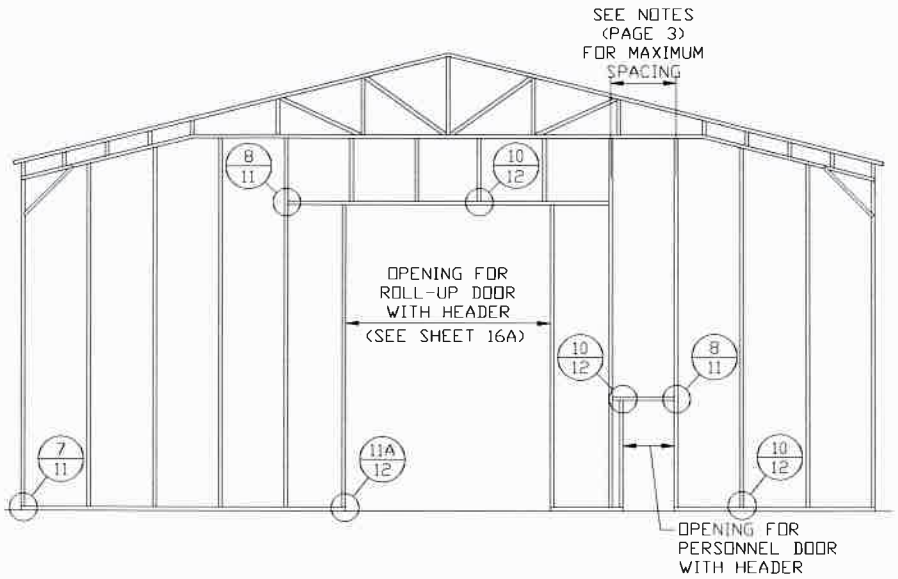
	CLIENT: SBSI	SHT. 10	DWG. NO: SK-3	REV.: 2

END WALL OPENINGS



TYPICAL END WALL OPENINGS FRAMING SECTION
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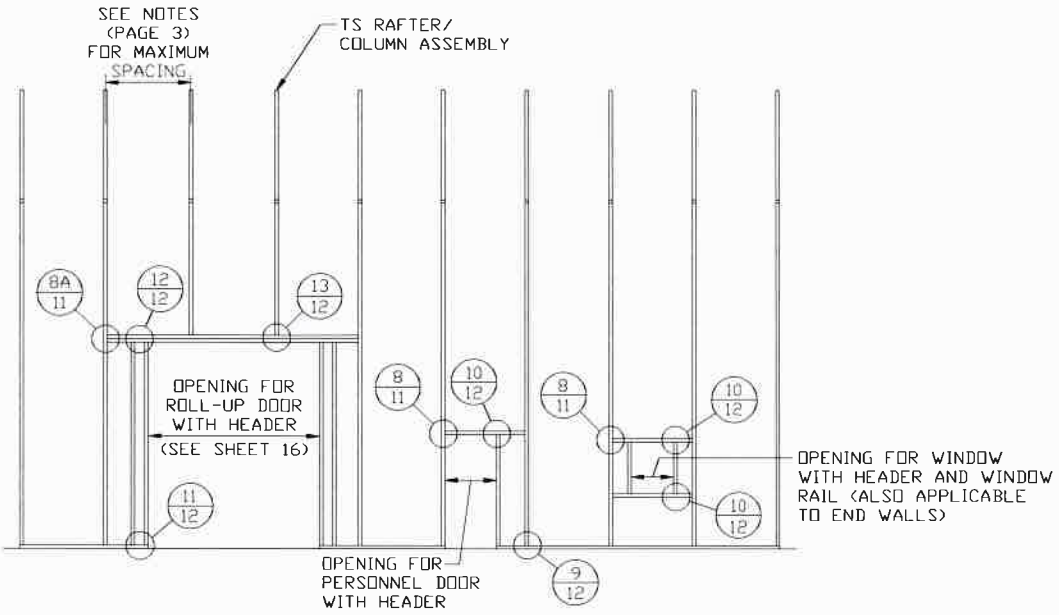
CLIENT: SBSI	SHT. 10A	DWG. NO: SK-3	REV: 2

SIDE WALL OPENINGS



TYPICAL SIDE WALL OPENINGS FRAMING SECTION

SCALE: NTS

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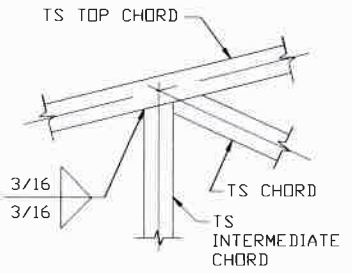
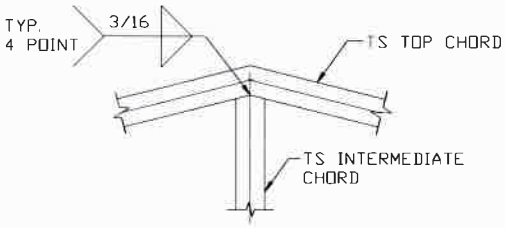
	CLIENT: SBSI	SHT. 10B	DWG. NO: SK-3	REV: 2

CONNECTION DETAILS



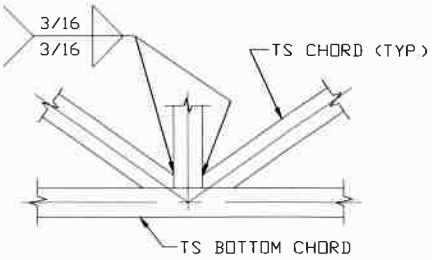
4 INTERMEDIATE CHORD TO TOP CHORD CONNECTION DETAIL

SCALE: NTS



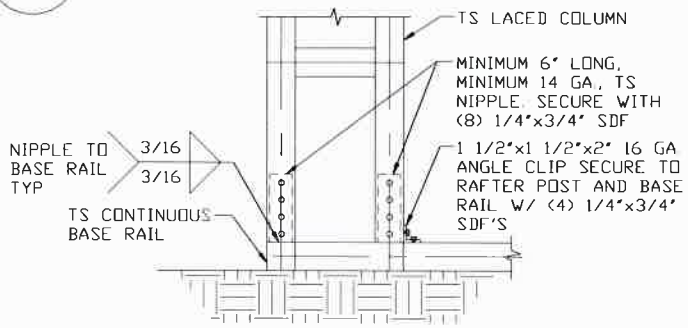
5 CENTER POST TO RAFTER CONNECTION DETAIL

SCALE: NTS



6 CENTER POST TO BOTTOM CHORD CONNECTION DETAIL

SCALE: NTS



7 END COLUMN/BASE RAIL CONNECTION DETAIL

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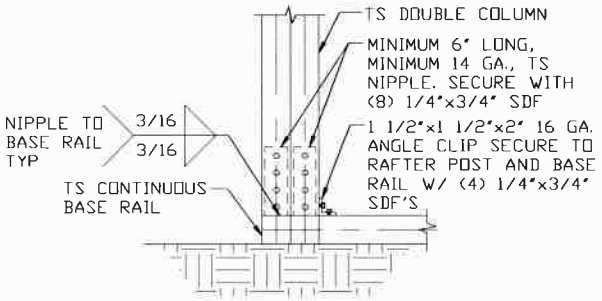

7A END POST/BASE RAIL CONNECTION DETAIL

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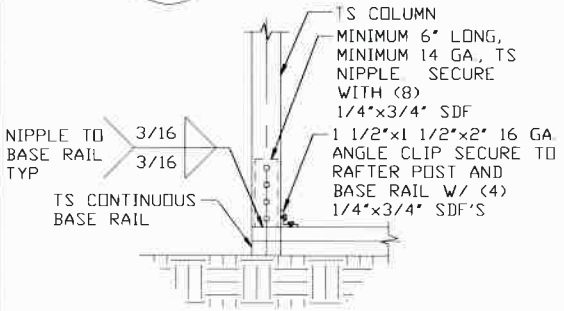

7B END POST/BASE RAIL CONNECTION DETAIL

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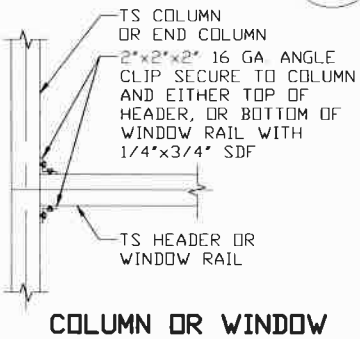
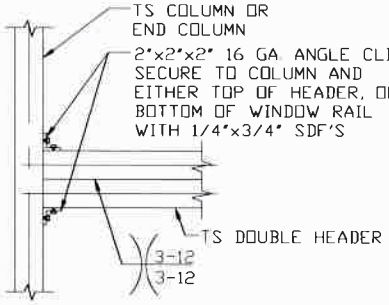


8 COLUMN OR WINDOW RAIL/WALL GIRT TO POST CONNECTION DETAIL

SCALE: NTS



8A COLUMN OR DOUBLE HEADER TO POST CONNECTION DETAIL

SCALE: NTS

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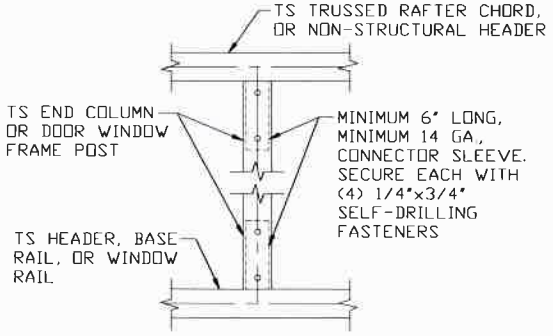
	CLIENT: SBSI	SHT. 11	DWG. NO: SK-3	REV: 2

CONNECTION DETAILS



9 COLUMN TO HEADER OR BASE RAIL CONNECTION DETAIL

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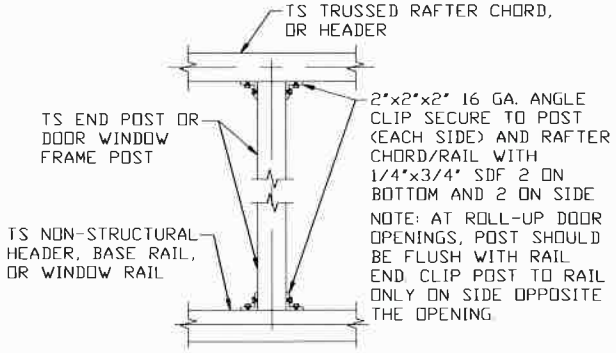

10 HEADER OR WINDOW RAIL TO POST CONNECTION DETAIL

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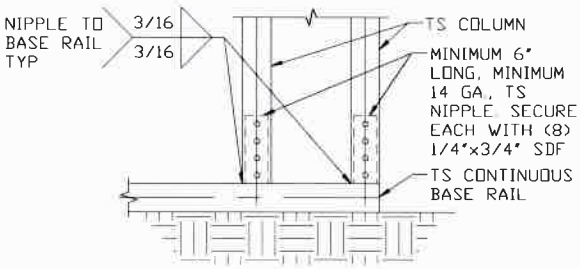

11 COLUMN/BASE RAIL CONNECTION DETAIL

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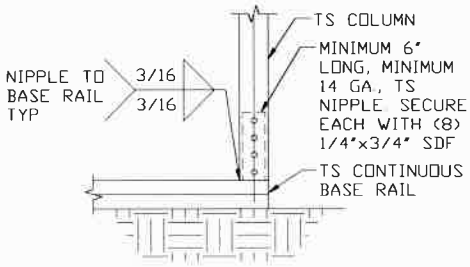

11A COLUMN/BASE RAIL CONNECTION DETAIL

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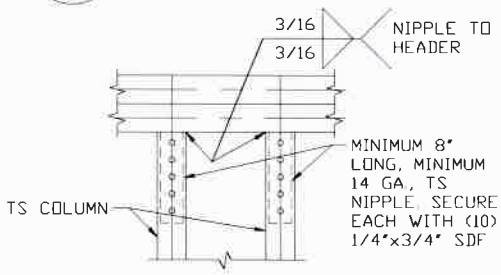
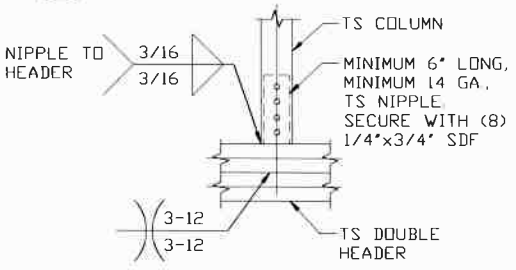


12 DOUBLE HEADER/COLUMN CONNECTION DETAIL

SCALE: NTS



13 COLUMN/DOUBLE HEADER CONNECTION DETAIL

SCALE: NTS

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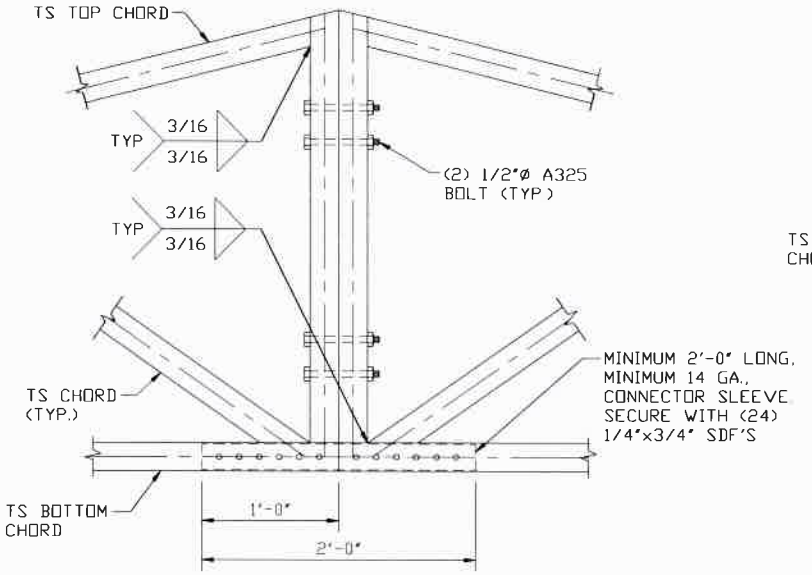
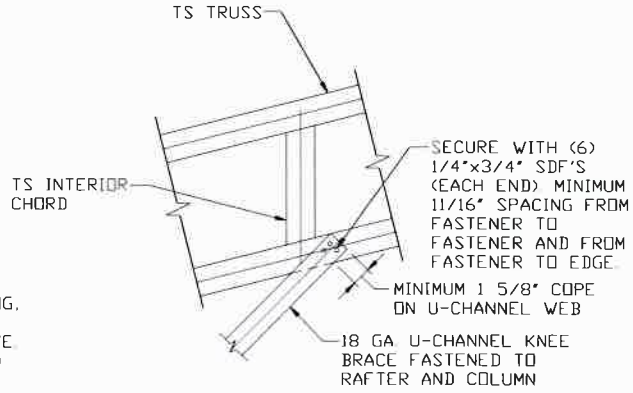
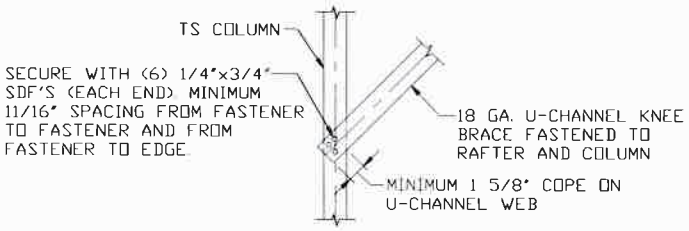
CONNECTION DETAILS



14 SPLICE CONNECTION DETAIL
SCALE: NTS



15 U-CHANNEL TO RAFTER CONNECTION DETAIL FOR 40'X TO 50'X (EXP. C) ONLY
SCALE: NTS



16 U-CHANNEL TO COLUMN CONNECTION DETAIL FOR 40'X TO 50'X (EXP. C) ONLY
SCALE: NTS

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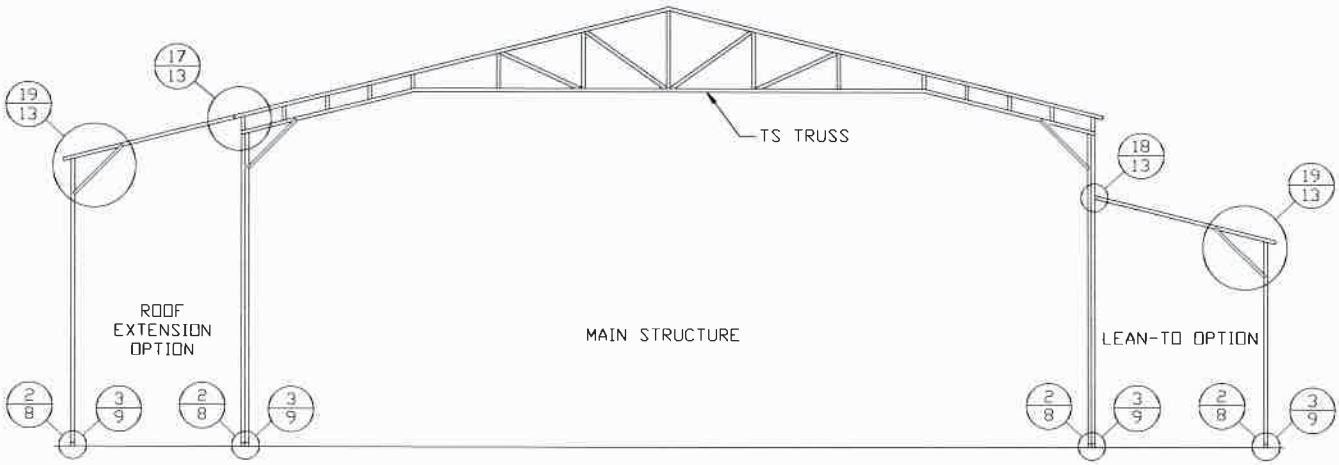
CLIENT: SBSI	SHT. 12A	DWG. NO: SK-3	REV.: 2

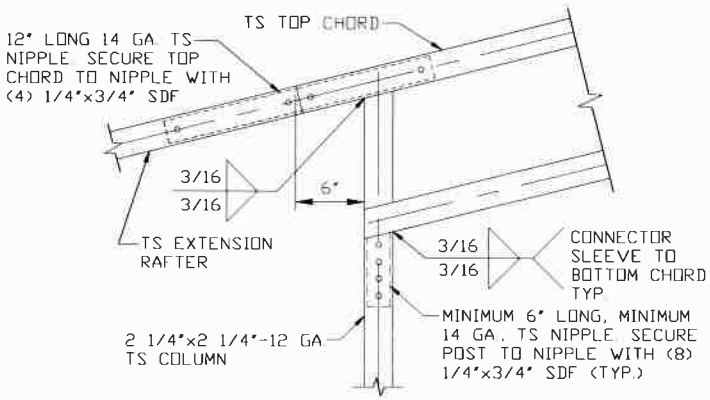
LEAN-TO OPTIONS



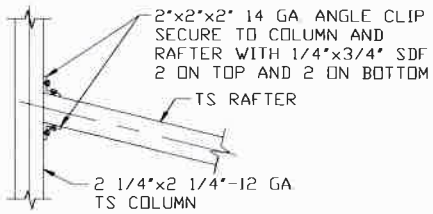
TYPICAL LEAN-TO OPTIONS FRAMING SECTION (BOTH OPTIONS SHOWN)

SCALE: NTS

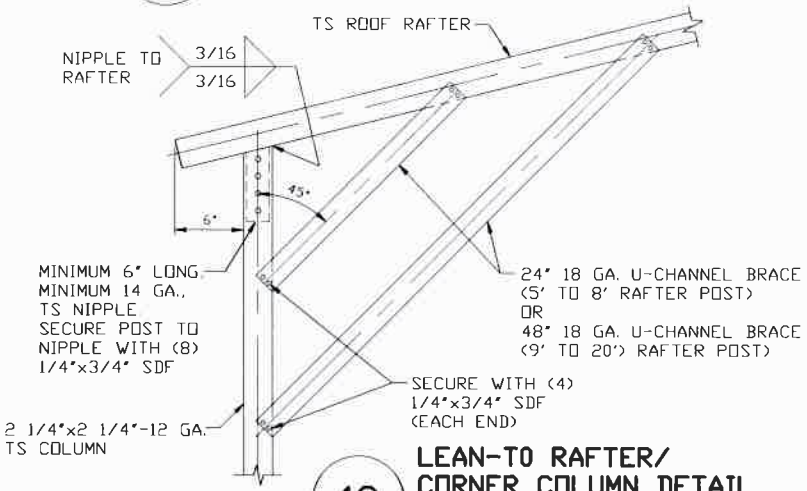
MAXIMUM WIDTH OF ROOF EXTENSION/LEAN-TO WITH SINGLE TS RAFTER FOR 60X IS 11'-0" (EXP. B AND EXP. C).
MAXIMUM WIDTH OF ROOF EXTENSION/LEAN-TO WITH SINGLE TS RAFTER FOR 50X IS 11'-0" (EXP. B) AND 10'-0" (EXP. C).
MAXIMUM WIDTH OF ROOF EXTENSION/LEAN-TO WITH SINGLE TS RAFTER FOR 40X IS 11'-0" (EXP. B) AND 10'-0" (EXP. C).
MAXIMUM WIDTH OF ROOF EXTENSION/LEAN-TO WITH DOUBLE TS RAFTER IS 16'-0".
FOR SHARED COLUMN HEIGHTS REFERENCE RAFTER COLUMN CONNECTION DETAILS FOR APPROPRIATE COLUMN HEIGHT AND TUBING SPECIFICATIONS. ALL SINGLE SHARED COLUMNS MUST BE 2 1/4"x2 1/4"-12 GA. TS.



17 **SIDE EXTENSION RAFTER/ CORNER POST DETAIL**
SCALE: NTS



18 **LEAN-TO RAFTER TO RAFTER POST CONNECTION DETAIL**
SCALE: NTS



19 **LEAN-TO RAFTER/ CORNER COLUMN DETAIL**
SCALE: NTS

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	CLIENT: SBSI	SHT. 13	DWG. NO: SK-3	REV: 2

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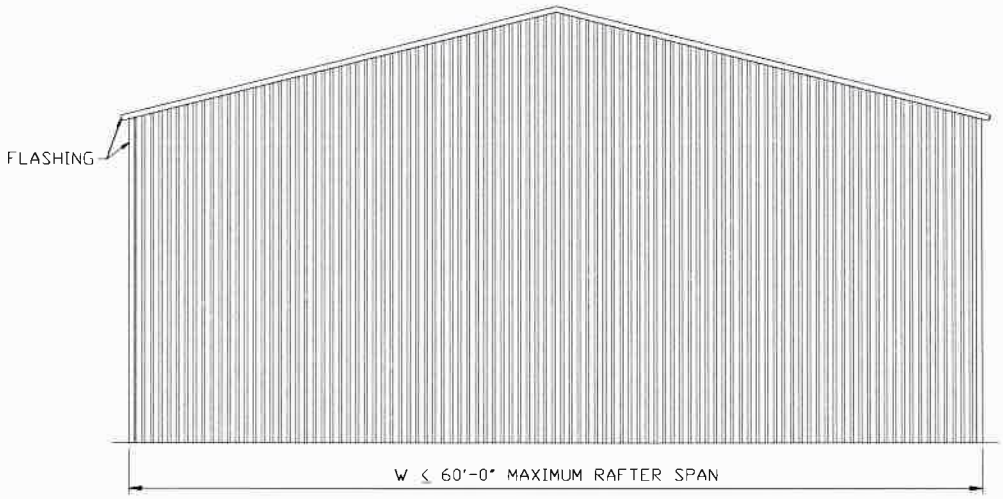
VERTICAL ROOF/SIDING OPTION



TYPICAL END ELEVATION VERTICAL ROOF/SIDING

SCALE: NTS

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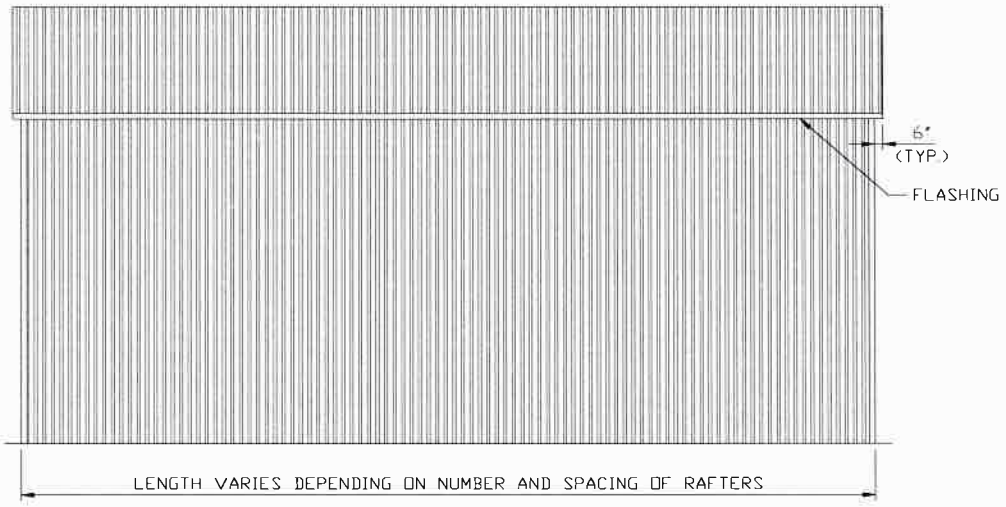
VERTICAL ROOF/SIDING OPTION



TYPICAL SIDE ELEVATION VERTICAL ROOF/SIDING

SCALE: NTS

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	PROJECT MGR: WSM	DATE: 2-12-21	SCALE: NTS	JOB NO: 18195S/20019S/20324S
	CLIENT: SBSI	SHT. 14A	DWG. NO: SK-3	REV.: 2

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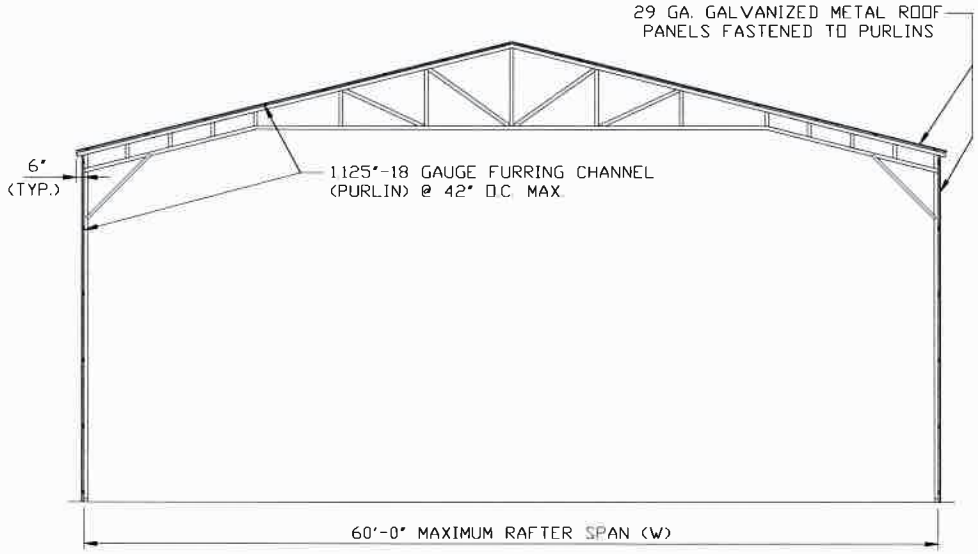
VERTICAL ROOF/SIDING OPTION



TYPICAL SECTION VERTICAL ROOF/SIDING OPTION
SCALE: NTS

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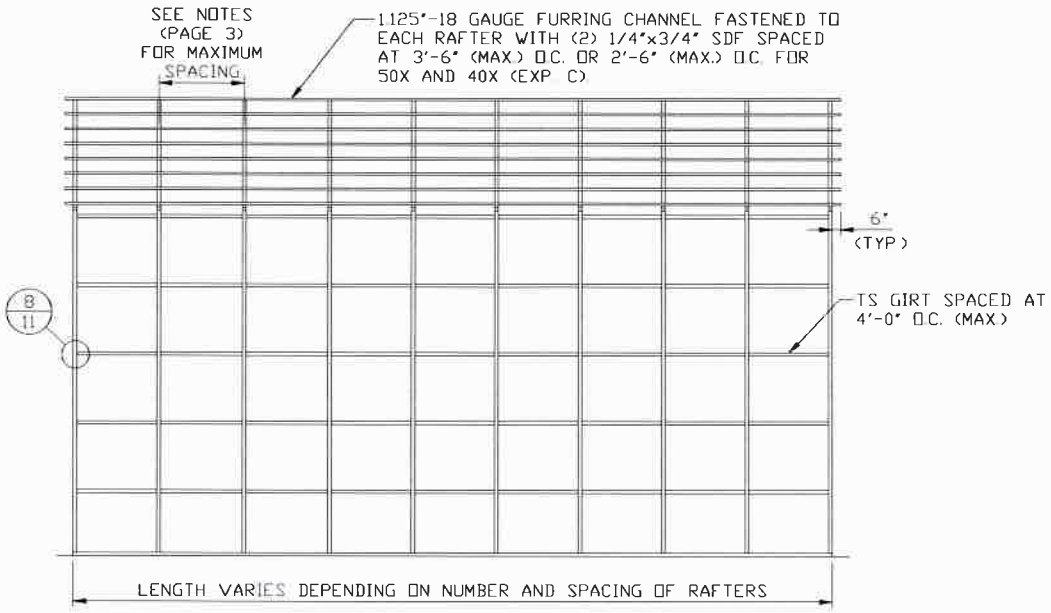
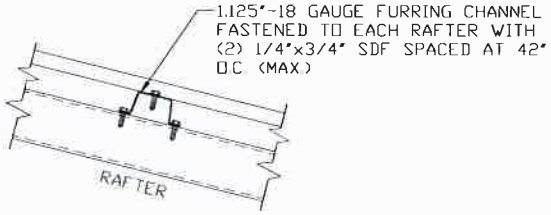
	CLIENT: SBSI	SHT. 15	DWG. NO: SK-3	REV: 2

VERTICAL ROOF/SIDING OPTION



TYPICAL SIDE FRAMING SECTION VERTICAL ROOF/SIDING OPTION

SCALE: NTS



ROOF PANEL ATTACHMENT

SCALE: NTS

(ALTERNATE FOR VERTICAL ROOF PANELS)

MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.	DRAWN BY: LT	STEEL BUILDING AND STRUCTURES INC. P.O. BOX 1287, MOUNT AIRY, NC 27030 32'-0"-60'-0"x20'-0" ENCLOSED BUILDING		
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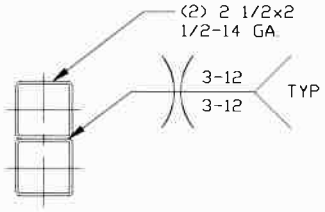
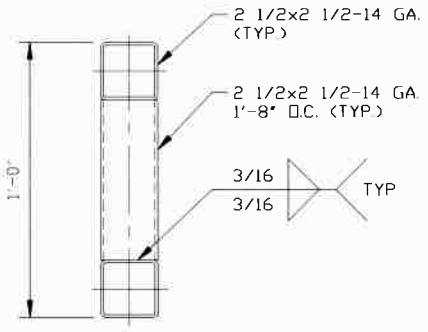
	CLIENT: SBSI	SHT. 15A	DWG. NO: SK-3	REV.: 2

SIDE WALL HEADER OPTIONS



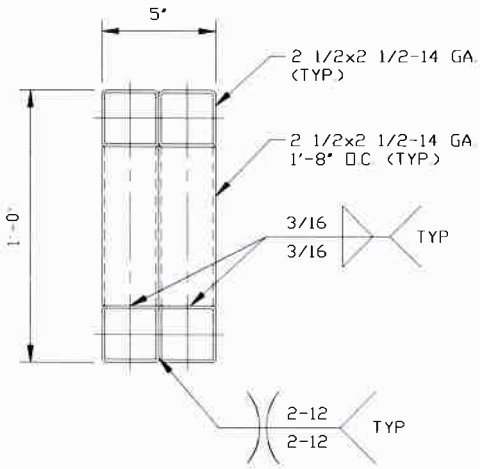
HEADER DETAIL FOR DOOR OPENINGS
60X LENGTH ≤ 7'-0" (EXP. B)
60X LENGTH ≤ 8'-0" (EXP. C)
50X LENGTH ≤ 8'-0"
40X LENGTH ≤ 8'-0"

SCALE: NTS



HEADER DETAIL FOR DOOR OPENINGS
60X 8'-0" < LENGTH ≤ 15'-0"
50X 8'-0" < LENGTH ≤ 15'-0"
40X 8'-0" < LENGTH ≤ 18'-0"

SCALE: NTS



HEADER DETAIL FOR DOOR OPENINGS
60X 15'-0" < LENGTH ≤ 20'-0"
50X 15'-0" < LENGTH ≤ 20'-0"
40X 18'-0" < LENGTH ≤ 20'-0"

SCALE: NTS

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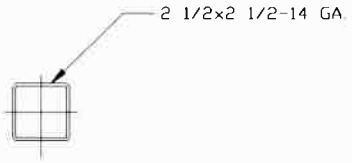
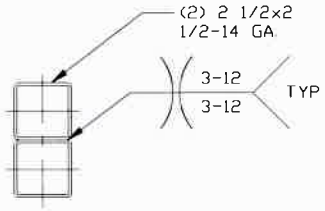
PROJECT MGR: WSM	DATE: 2-12-21	SCALE: NTS	JOB NO: 18195S/ 20019S/20324S
CLIENT: SBSI	SHT. 16	DWG. NO: SK-3	REV.: 2

END WALL HEADER OPTIONS



HEADER DETAIL FOR DOOR OPENINGS
60X LENGTH ≤ 6'-0"
50X LENGTH ≤ 6'-0"
40X LENGTH ≤ 6'-0"

SCALE: NTS



HEADER DETAIL FOR DOOR OPENINGS
60X 6'-0" < LENGTH ≤ 12'-0"
50X 6'-0" < LENGTH ≤ 12'-0"
40X 6'-0" < LENGTH ≤ 12'-0"

SCALE: NTS

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	CHECKED BY: PDH		
	PROJECT MGR: WSH	DATE: 2-12-21	SCALE: NTS	JOB NO: 18195S/ 20019S/20324S
	CLIENT: SBSI	SHT. 16A	DWG. NO: SK-3	REV: 2

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