



STRUCTURAL DESIGN

OPEN STRUCTURE WITH ENCLOSED **LEAN-TO BUILDING OPTION** **EXPOSURE B**

**MAXIMUM 30'-0" WIDE X 20'-0" EAVE HEIGHT- BOX EAVE
AND BOW FRAME**

24 February 2021

Revision 2

M&A Project No. 16159S/18027S/20352S

Prepared for:

**Tubular Building Systems, LLC
P.O. Box 2254
Lake City, Florida 32025**

Prepared by:

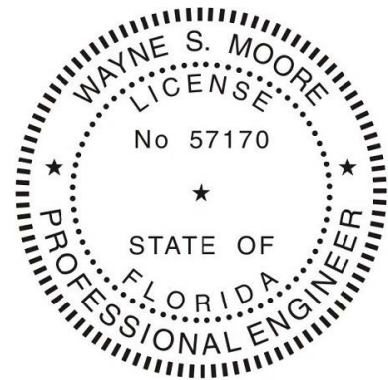
**Moore and Associates Engineering and Consul
1009 East Avenue
North Augusta, SC 29841**

**401 S. Main Street, Suite 200
Mount Airy, NC 27030**



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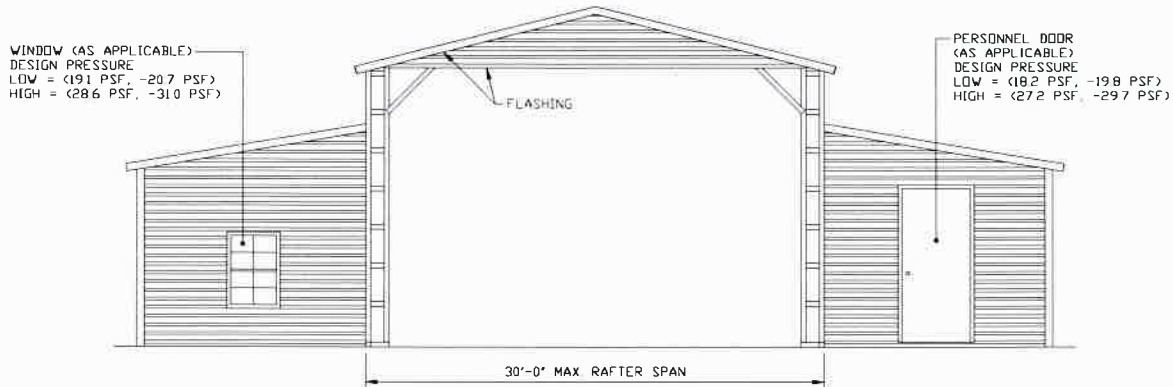


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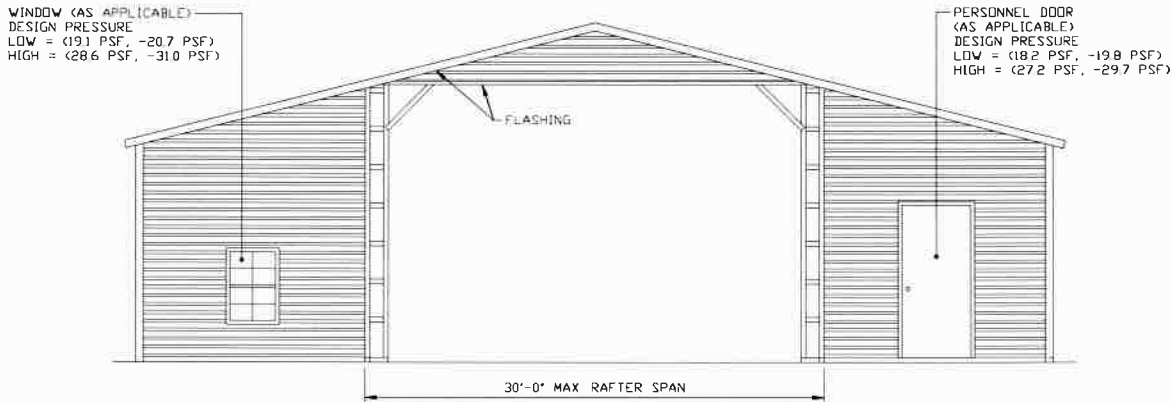
MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.	DRAWN BY: JG		TUBULAR BUILDING SYSTEMS	
	CHECKED BY: PDH		30'-0"x20'-0" LEAN-TO OPTION EXP. B	
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	CLIENT: TBS		SHT. 1	DWG. NO: SK-1
		JOB NO: 16159S/18027S/20352S		REV: 2

BOX EAVE RAFTER VERTICAL ROOF LEAN-TO OPTION



TYPICAL END ELEVATION VERTICAL ROOF-STANDARD LEAN-TO

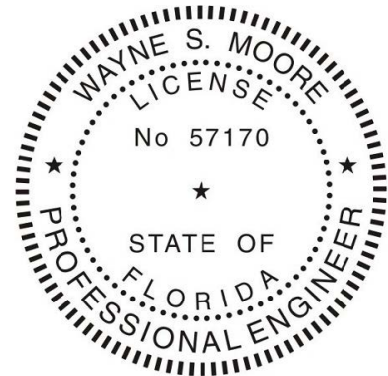
SCALE: NTS



TYPICAL END ELEVATION VERTICAL ROOF-ROOF EXTENSION LEAN-TO

SCALE: NTS

NOTE: SEE MASTER DESIGN FOR MAXIMUM 30'-0" WIDE x 20'-0" EAVE HEIGHT
 -BOX EAVE FRAME AND BOW FRAME OPEN BUILDING-EXPOSURE B
 (RISK CATEGORY 1) FOR STRUCTURAL PLAN, ELEVATION, SECTION AND
 DETAIL INFORMATION



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PROJECT MGR: WSM

CLIENT: TBS

**TUBULAR BUILDING SYSTEMS
30'-0"x20'-0" LEAN-TO STRUCTURE
OPTION EXP. B**

DATE: 2-24-21

SHT. 2

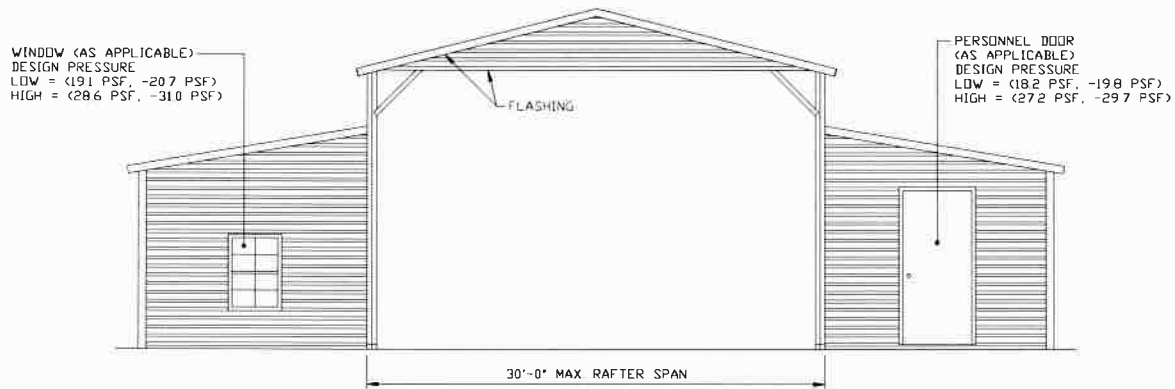
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DWG. NO: SK-1

**JOB NO: 16159S/
18027S/20352S**

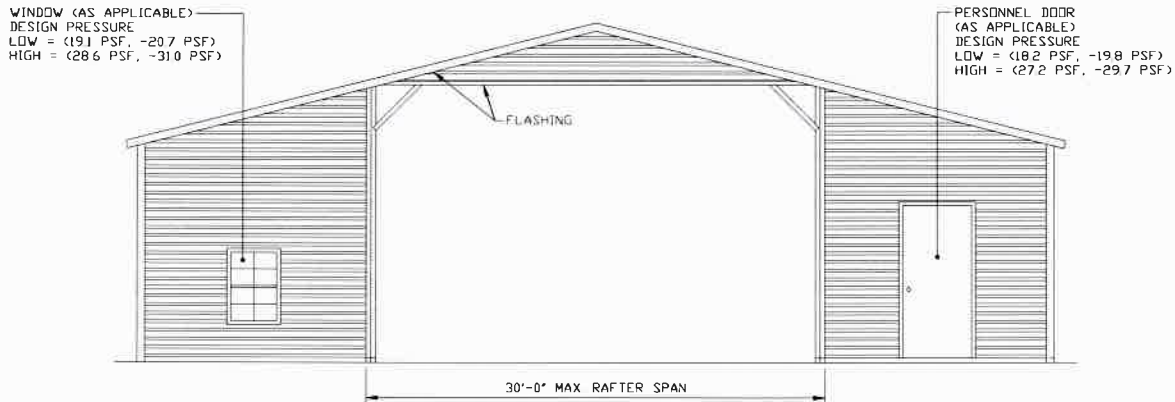
REV: 2

BOX EAVE RAFTER VERTICAL ROOF LEAN-TO OPTION



TYPICAL END ELEVATION VERTICAL ROOF-STANDARD LEAN-TO

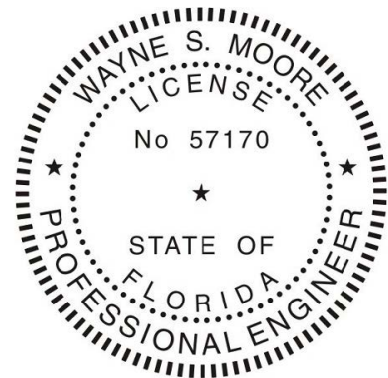
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TYPICAL END ELEVATION VERTICAL ROOF-ROOF EXTENSION LEAN-TO

SCALE: NTS

NOTE: SEE MASTER DESIGN FOR MAXIMUM 30'-0" WIDE x 16'-0" EAVE HEIGHT
-BOX EAVE FRAME AND BOW FRAME OPEN BUILDING-EXPOSURE B
(RISK CATEGORY 1) FOR STRUCTURAL PLAN, ELEVATION, SECTION AND
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CLIENT: TBS

**TUBULAR BUILDING SYSTEMS
30'-0"x20'-0" LEAN-TO STRUCTURE
OPTION EXP. B**

DATE: 2-24-21

SHT. 3

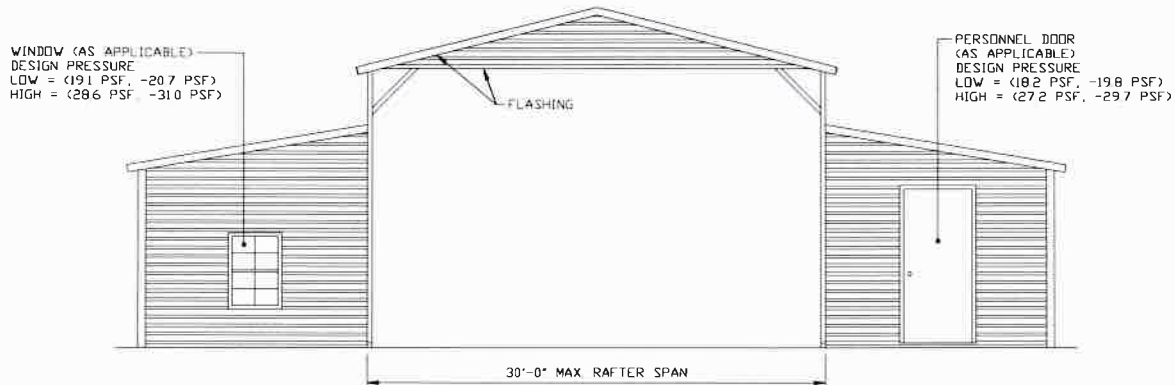
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DWG. NO: SK-1

JOB NO: 16159S/
18027S/20352S

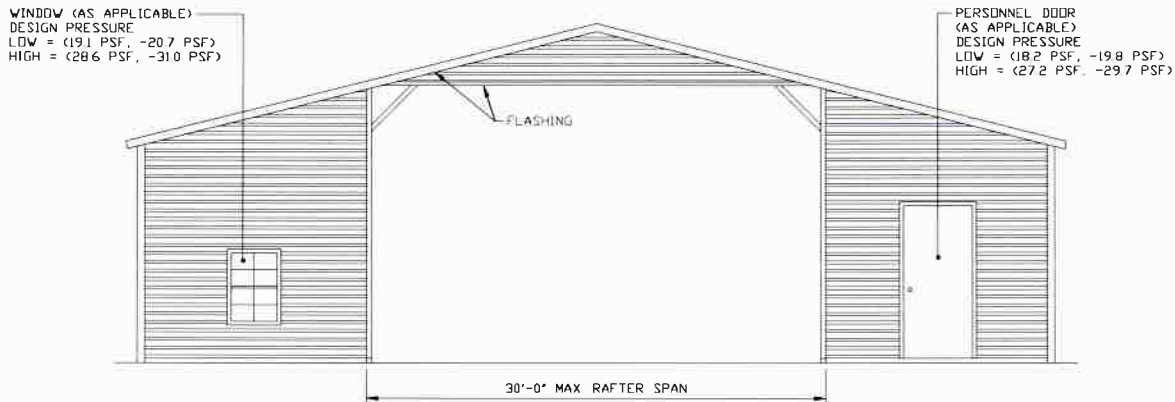
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BOX EAVE RAFTER VERTICAL ROOF LEAN-TO OPTION



TYPICAL END ELEVATION VERTICAL ROOF-STANDARD LEAN-TO

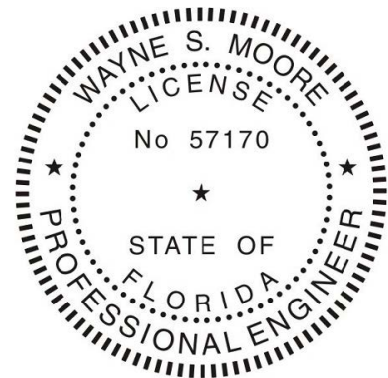
SCALE: NTS



TYPICAL END ELEVATION VERTICAL ROOF-ROOF EXTENSION LEAN-TO

SCALE: NTS

NOTE: SEE MASTER DESIGN FOR MAXIMUM 30'-0" WIDE x 13'-0" EAVE HEIGHT
-BOX EAVE FRAME AND BOW FRAME OPEN BUILDING-EXPOSURE B
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PROJECT MGR: WSM

CLIENT: TBS

TUBULAR BUILDING SYSTEMS
30'-0"x20'-0" LEAN-TO STRUCTURE
OPTION EXP. B

DATE: 2-24-21

SHT. 4

SCALE: NTS

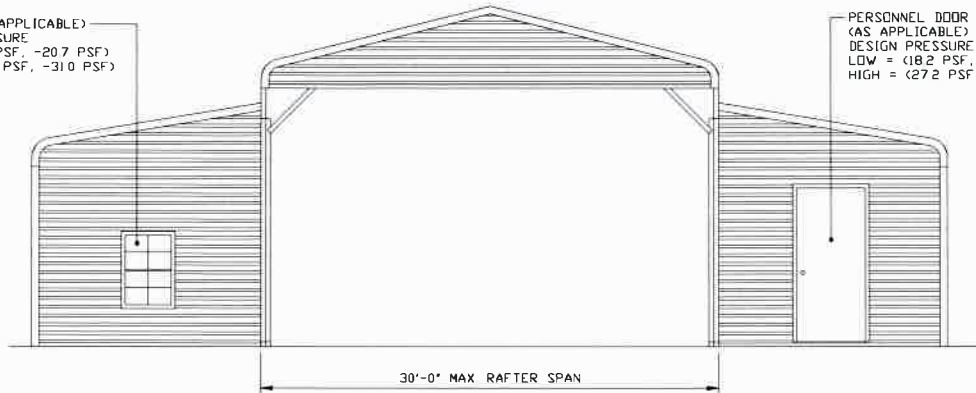
DWG. NO: SK-1

JOB NO: 16159S/
18027S/20352S

REV: 2

BOW EAVE RAFTER VERTICAL ROOF LEAN-TO OPTION

WINDOW (AS APPLICABLE)
DESIGN PRESSURE
LOW = (191 PSF, -207 PSF)
HIGH = (286 PSF, -310 PSF)



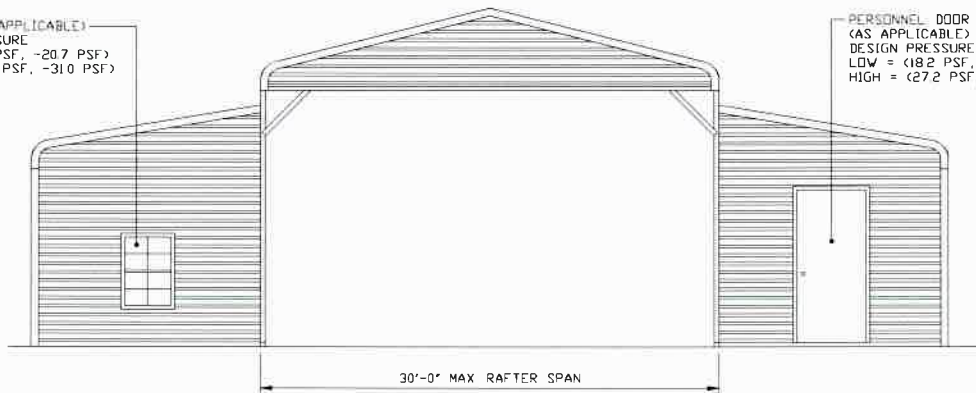
PERSONNEL DOOR
(AS APPLICABLE)
DESIGN PRESSURE
LOW = (182 PSF, -198 PSF)
HIGH = (272 PSF, -297 PSF)

TYPICAL END ELEVATION VERTICAL ROOF-STANDARD LEAN-TO

SCALE: NTS

NOTE: SEE MASTER DESIGN FOR MAXIMUM 30'-0" WIDE x 16'-0" EAVE HEIGHT
-BOX EAVE FRAME AND BOW FRAME ENCLOSED BUILDING FOR
STRUCTURAL PLAN, ELEVATION, SECTION AND DETAIL INFORMATION

WINDOW (AS APPLICABLE)
DESIGN PRESSURE
LOW = (191 PSF, -207 PSF)
HIGH = (286 PSF, -310 PSF)

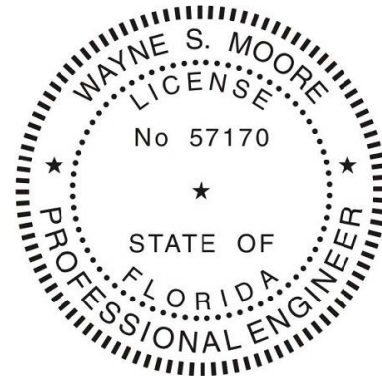


PERSONNEL DOOR
(AS APPLICABLE)
DESIGN PRESSURE
LOW = (182 PSF, -198 PSF)
HIGH = (272 PSF, -297 PSF)

TYPICAL END ELEVATION VERTICAL ROOF-STANDARD LEAN-TO

SCALE: NTS

NOTE: SEE MASTER DESIGN FOR MAXIMUM 30'-0" WIDE x 13'-0" EAVE HEIGHT
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TUBULAR BUILDING SYSTEMS
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OPTION EXP. B

DATE: 2-24-21

SHT. 5

SCALE: NTS

DWG. NO: SK-1

JOB NO: 16159S/
18027S/20352S

REV: 2