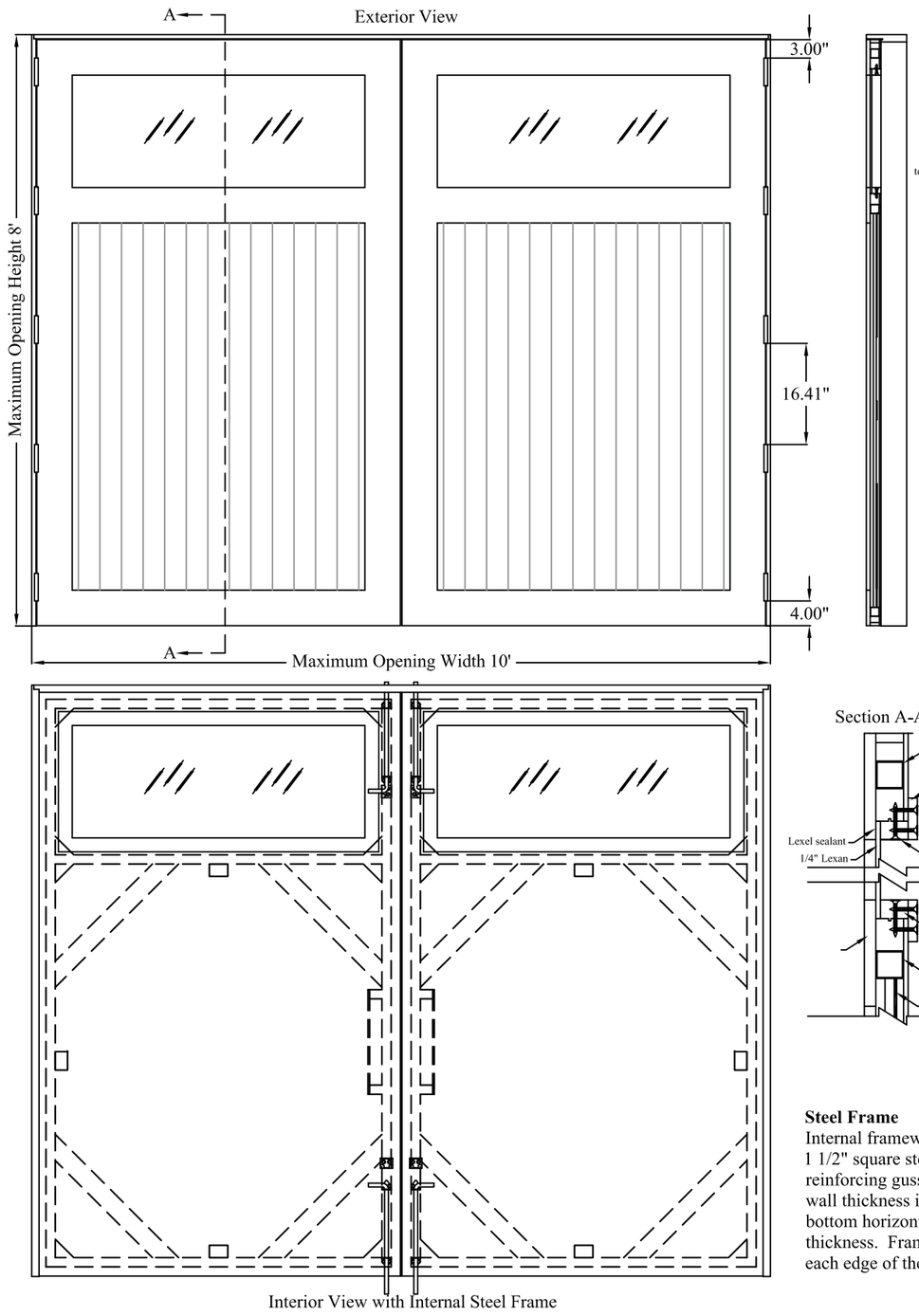
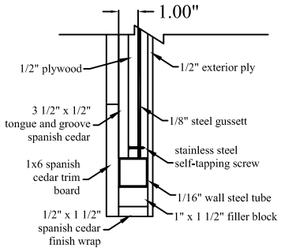
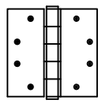


Interior View with Internal Steel Frame

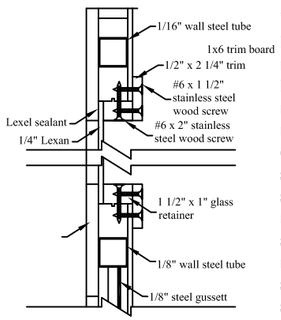


Door Profile
Bottom portion of Section A-A enlarged for clarity. Exterior finish material is spanish cedar.



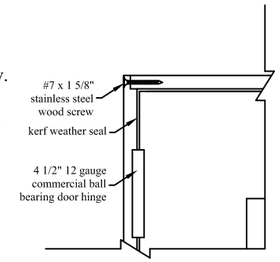
Door Hinge
4 1/2" 12 gauge commercial ball bearing door hinges mortised into both the door frame and door panel in (5) places on each side of the opening, 3" from the top of the door, 4" from the bottom of the door, and evenly spaced between the top and bottom. Hinges are attached to the door frame and opening with (4) #12 x 2" flat head stainless steel wood screws (minimum edge distance of 1/2") and to the door panel with (4) 1/4-28 x 2 1/4" flat head stainless steel screws (steel tubing drilled and tapped to accept screws).

Section A-A



Windows (optional)
1/4" Lexan windows with a maximum opening of 47 1/2" x 18 1/4", retained on all four sides on the outside by 1" x 6" trim and on the inside by 1" x 1 1/2" retainer (overlap on all four sides is 1") screwed in with #6 x 2" stainless steel wood screws and 1/2" x 2 1/4" trim attached with #6 x 1 1/2" stainless steel wood screws, with a maximum spacing of 13", and sealed on all four edges with Lexel sealant.

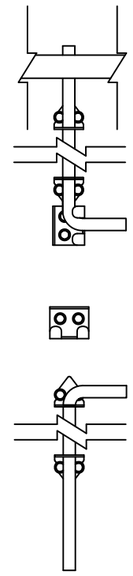
Steel Frame
Internal framework is made up of 1 1/2" x 1 1/2" square steel tubing with 1/8" thick reinforcing gussets and tabs. Tubing is 1/8" wall thickness in all places except the top and bottom horizontal tubes, which are 1/16" wall thickness. Framework is inset 1 1/2" from each edge of the door.



Door Frame
5/4" x 7 1/4" Douglas Fir (S.G. .45) or better door frame fastened together with (2) #7 x 1 5/8" stainless steel wood screws in each upper corner. Door frame to fit maximum 10' x 8' opening made from Douglas Fir (S.G. .45) or better.

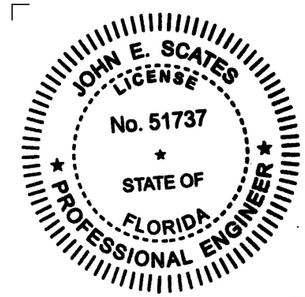
Jamb Attachment to Rough Opening
Please see accompanied Evaluation Report for Jamb Attachment.

Weather Seal
Kerf weather seal on top and sides of opening.



Cane Bolts
5/8" x 18" cane bolts used to lock both doors to the header and the floor. Bolts are fastened to the steel interior frame of the door with 1/4" x 1" self drilling stainless steel screws through 14 gauge brackets (2 screws each bracket). Bolts engage floor and header through 3/4" drilled holes with a minimum 1" of engagement in the floor and completely through upper door frame no closer than 1/2" to the edge of the wood. Top and bottom assemblies shown.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



Digitally signed by John E Scates
Date: 2023.10.02 11:06:21 -05'00'

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

John E. Scates, P.E.
2560 King Arthur Blvd #124-54
Lewisville, TX 75056
FL PE 51737

Note: The design of the supporting structural elements shall be the responsibility of the professional of record for the structure and in accordance with current building codes for the loads listed on this document

Carriage House Door COMPANY
1571 E. MAIN ST./HWY 79
OLD FORT, NC 28762
PHONE 828-668-1600
FAX 828-668-1805

Models: Swing Out Door
Tested in accordance with ANSI/DASMA 108 and ANSI/DASMA 115
Design Pressure: +40/-45 PSF
Test Pressure: +60/-67.5 PSF

TITLE
10x8 Swing Out Door +40/-45 PSF

DRAWN BY: Johnathon Cole 2/15/21
APPROVED BY: John M. Stroede 2/15/21

DRAWING NUMBER Swing-10-8-40-45
REVISION A
SIZE B
SCALE N/A
SHEET 1 of 1