

Scott A. Brown P.E.
 F.P.E #65940
 698 Timber Creek Road
 Dixon Illinois 61021

REV.	DESCRIPTION	ECO	DATE	ECO: 6530.01
C	1) WAS RICHARD A. BAUMANN, P.E., 2) UPDATED JAMB ATTACHMENTS	7803.01	09/09/17	
B	ADDED TM-175 AND TM-200	6688.01	06/13/14	
A	RELEASE FOR PRODUCTION	6530.01	04/11/13	

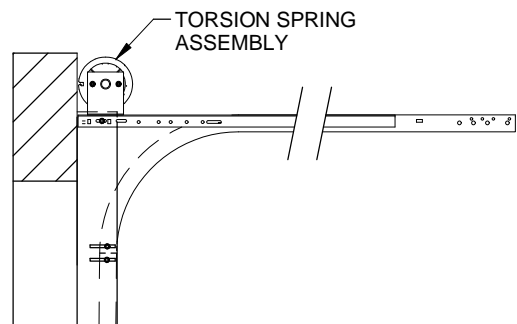
SCALE: NONE
 DRAWN BY: G. WEDEKIND
 CHECKED BY: G. WEDEKIND
 DATE: 04/11/13

RAYNOR
 1101 EAST RIVER ROAD
 DIXON, IL 61021

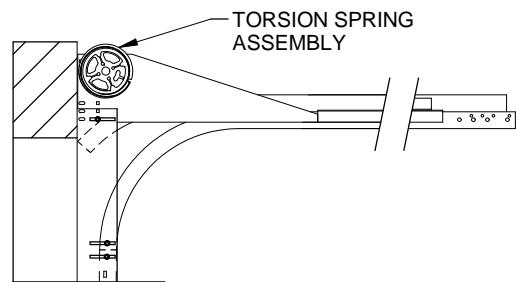
TITLE: SPEC, WIND LOAD TH-160, TM-175, TM-200

NO. P-3328

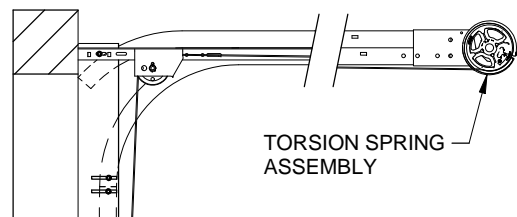
SHEET	REV
1 OF 4	C



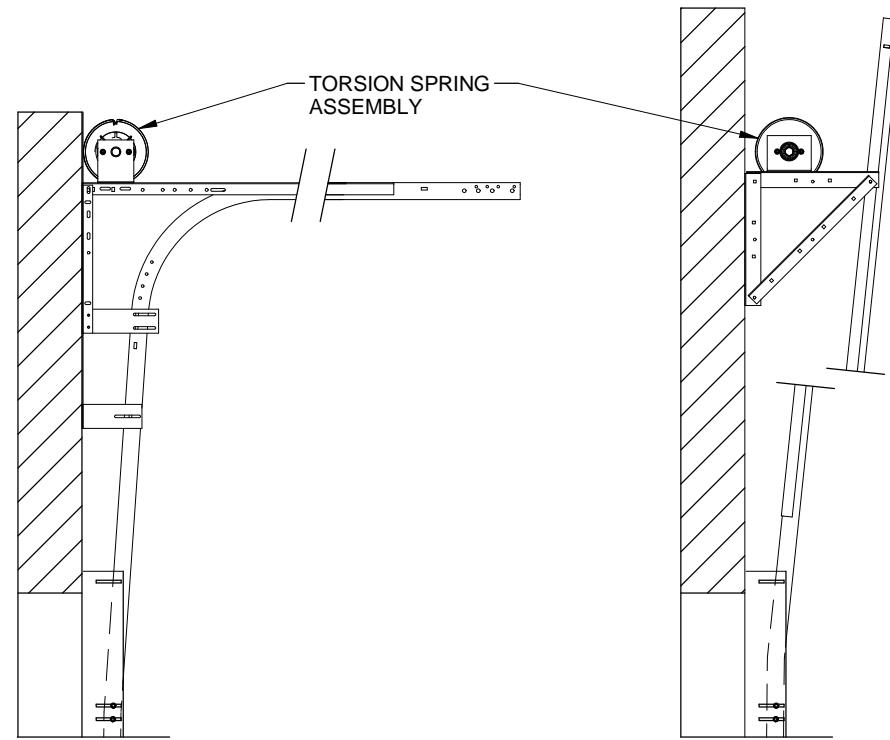
NORMAL HEADROOM TRACK
2" TRACK ANGLE MOUNT SHOWN
2" TRACK BRACKET MOUNT AVAILABLE
3" TRACK ANGLE MOUNT AVAILABLE



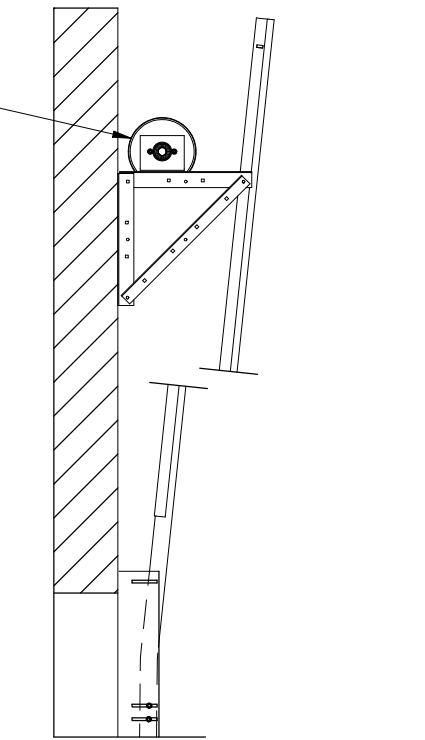
FRONT MOUNT LOW HEADROOM TRACK
2" TRACK ANGLE MOUNT SHOWN
2" TRACK BRACKET MOUNT AVAILABLE
3" TRACK ANGLE MOUNT AVAILABLE



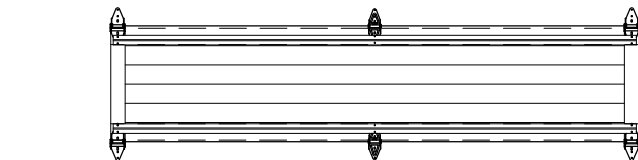
REAR MOUNT LOW HEADROOM TRACK
2" TRACK ANGLE MOUNT SHOWN
2" TRACK BRACKET MOUNT AVAILABLE
3" TRACK ANGLE MOUNT AVAILABLE



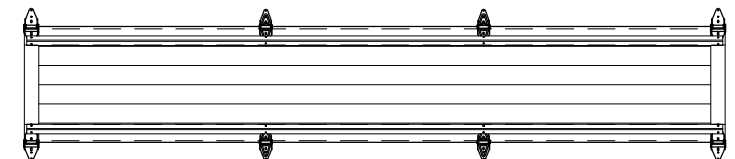
LIFT CLEARANCE TRACK
2" TRACK ANGLE MOUNT SHOWN
2" TRACK BRACKET MOUNT AVAILABLE
3" TRACK ANGLE MOUNT AVAILABLE



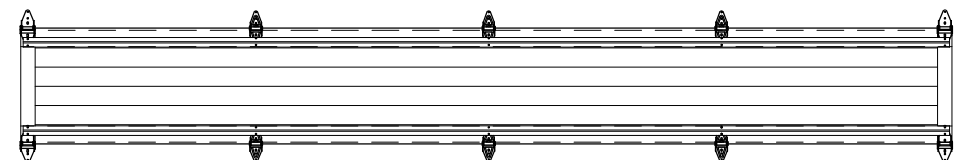
VERTICAL LIFT TRACK
2" TRACK ANGLE MOUNT SHOWN
2" TRACK BRACKET MOUNT AVAILABLE
3" TRACK ANGLE MOUNT AVAILABLE



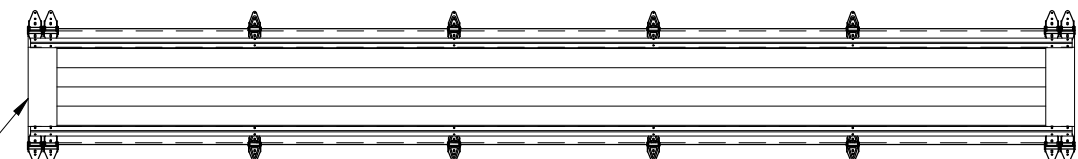
MAXIMUM WIDTH 9'-2"



MAXIMUM WIDTH 12'-2"



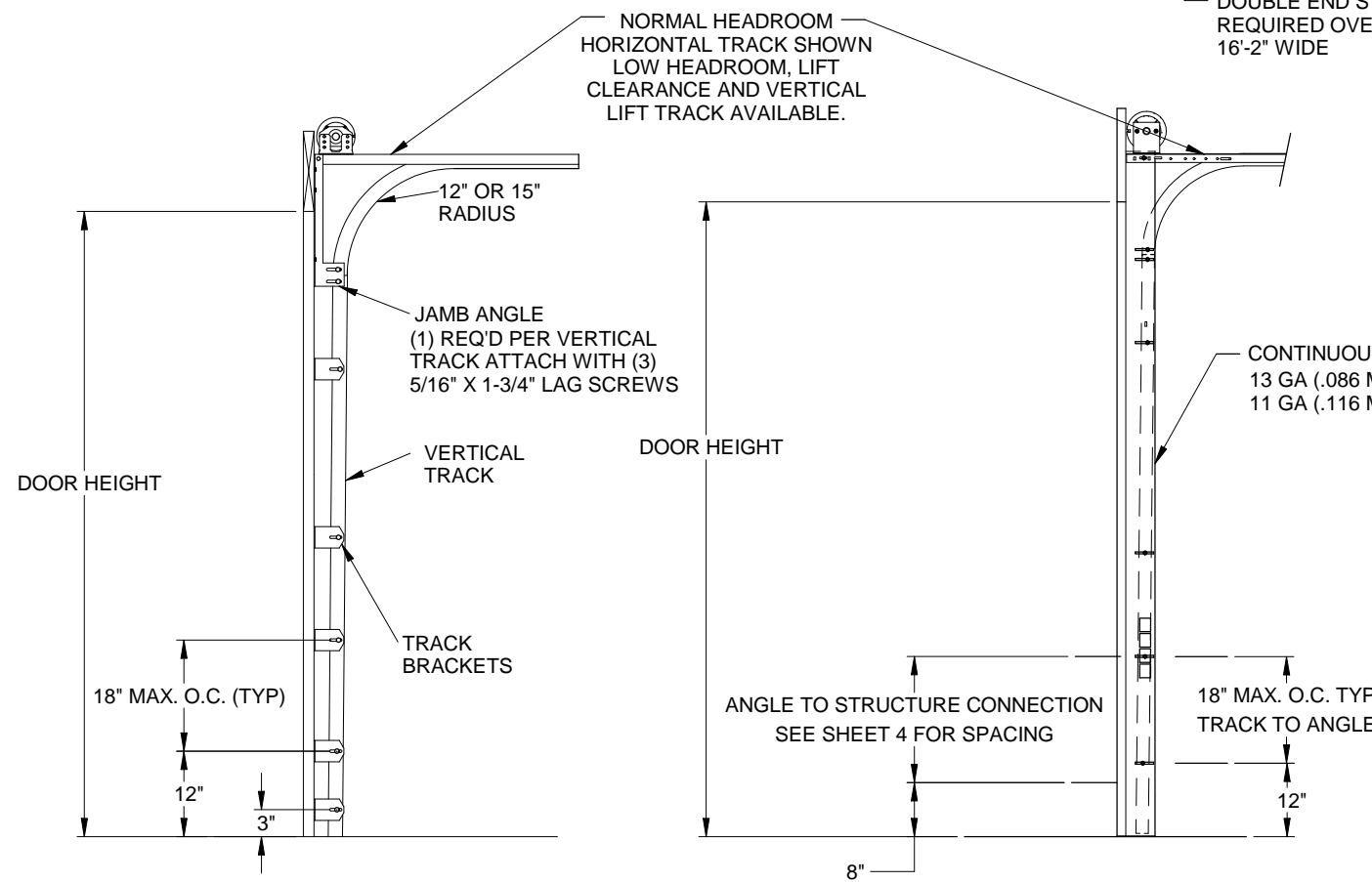
MAXIMUM WIDTH 16'-2"



MAXIMUM WIDTH 18'-2"

DOUBLE END STILES
REQUIRED OVER
16'-2" WIDE

HINGE ROW AND WINDOW LAYOUT
INTERIOR VIEW



TYPICAL TRACK INSTALLATION
BRACKET MOUNT
WOOD JAMBS

TYPICAL TRACK INSTALLATION
ANGLE MOUNT
WOOD, STEEL OR MASONRY JAMBS

Scott A. Brown P.E.
F.P.E. #65940
698 Timber Creek Road
Dixon Illinois 61021

SCALE: NONE
DRAWN BY: G. WEDEKIND
CHECKED BY: G. WEDEKIND
DATE: 04/11/13
ECO: 6530.01

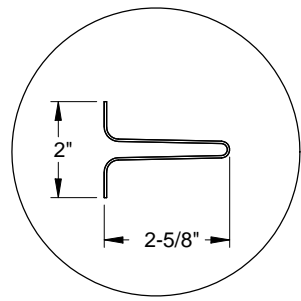


TITLE:
SPEC, WIND LOAD
TH-160, TM-175, TM-200

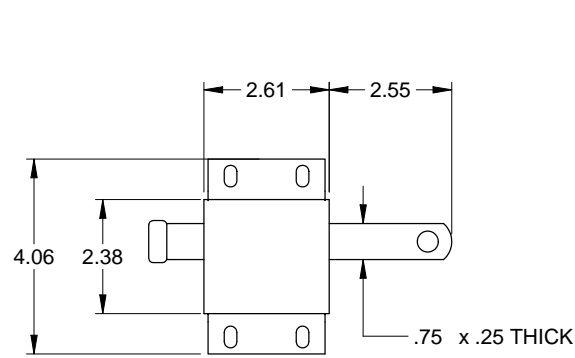
NO. P-3328

SHEET
2 OF 4

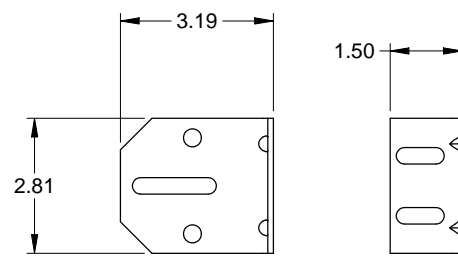
REV
C



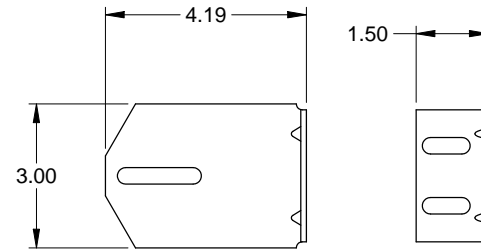
STEEL U-BAR DETAIL
18 GA. (.049" MIN) GALVANIZED
HIGH TENSILE STEEL 80 KSI MINIMUM YIELD



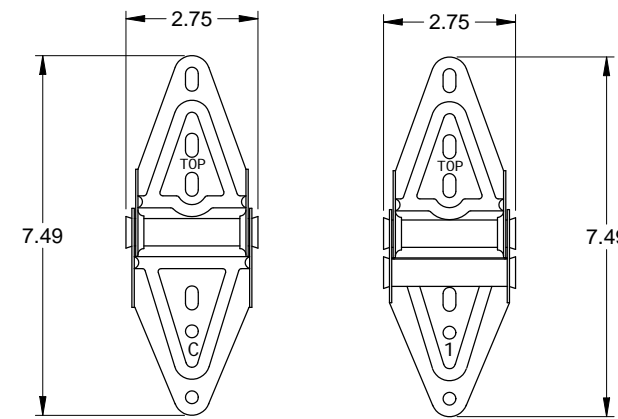
SLIDE LOCK
CASE .086 GALV. STEEL



3" TRACK BRACKET
.116 GALV. STEEL

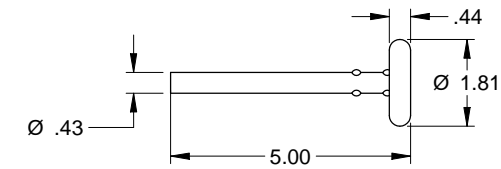


4" TRACK BRACKET
.116 GALV. STEEL

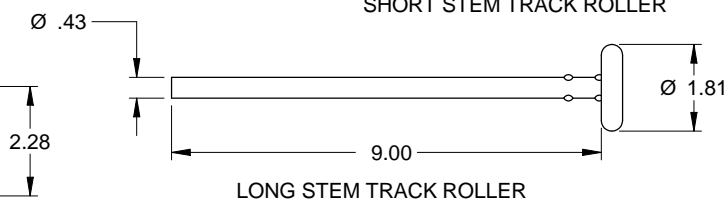


CENTER HINGE
.045 GALV. STEEL

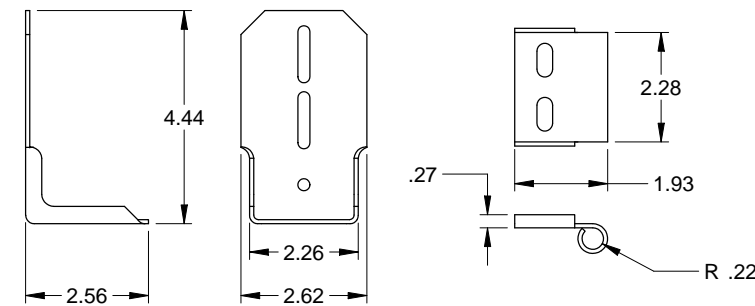
EDGE HINGE
.086 GALV. STEEL



SHORT STEM TRACK ROLLER

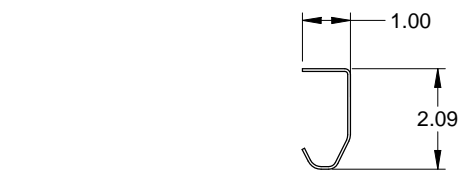


LONG STEM TRACK ROLLER

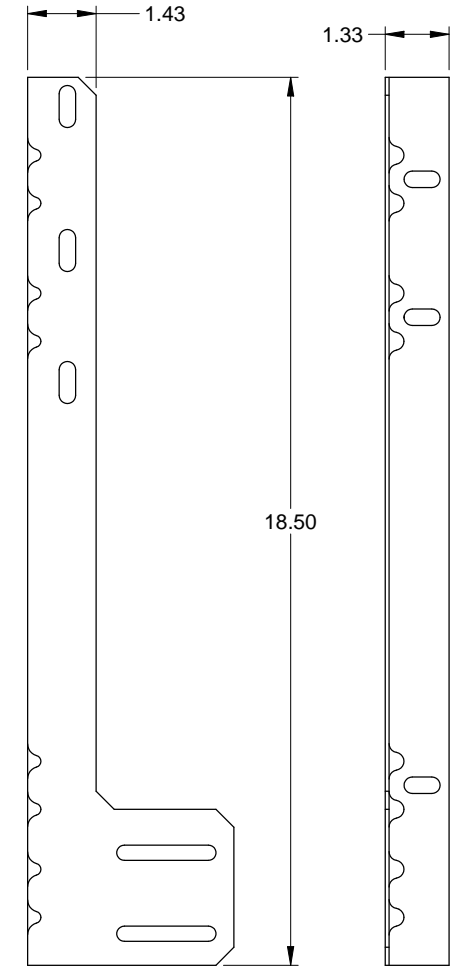


TOP FIXTURE
.086 GALV. STEEL

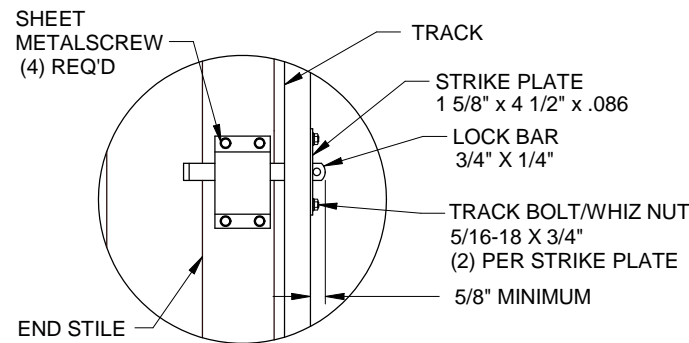
TOP ROLLER CARRIER
.116 GALV. STEEL
ATTACHED TO TOP FIXTURE WITH
(2) TRACK BOLTS AND WHIZ NUTS



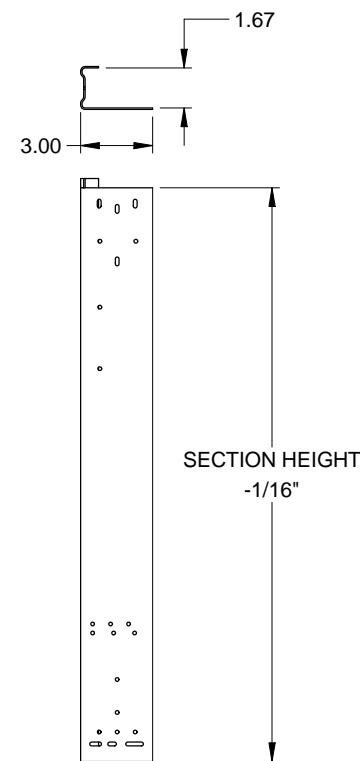
TRACK
.086 GALV. STEEL



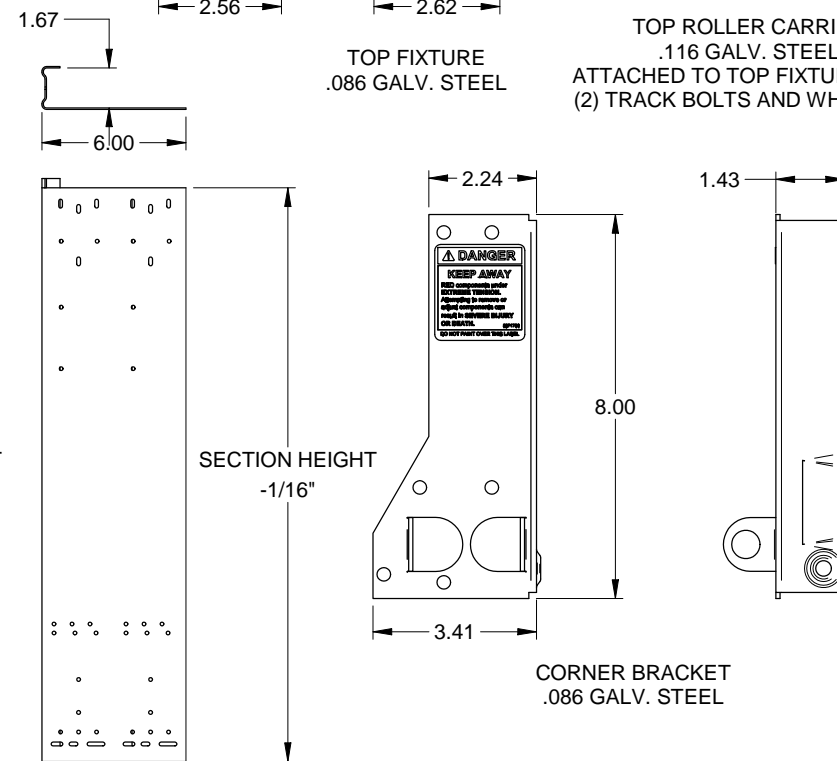
JAMB ANGLE
.078 GALV. STEEL



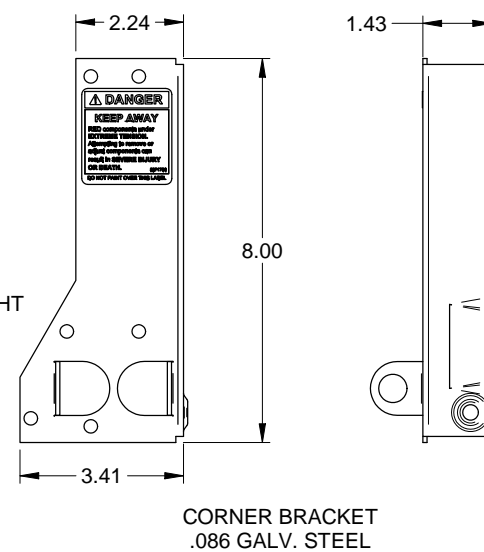
INTERIOR LOCK DETAIL
OPTIONAL



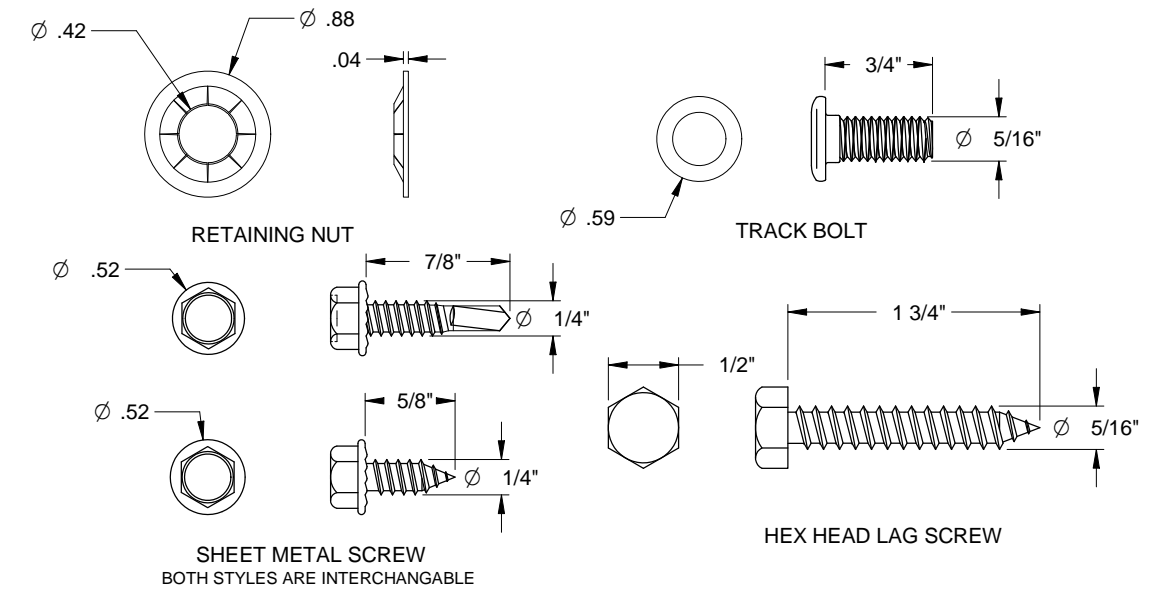
SINGLE END STILE
.055 GALV. STEEL



DOUBLE END STILE
.055 GALV. STEEL

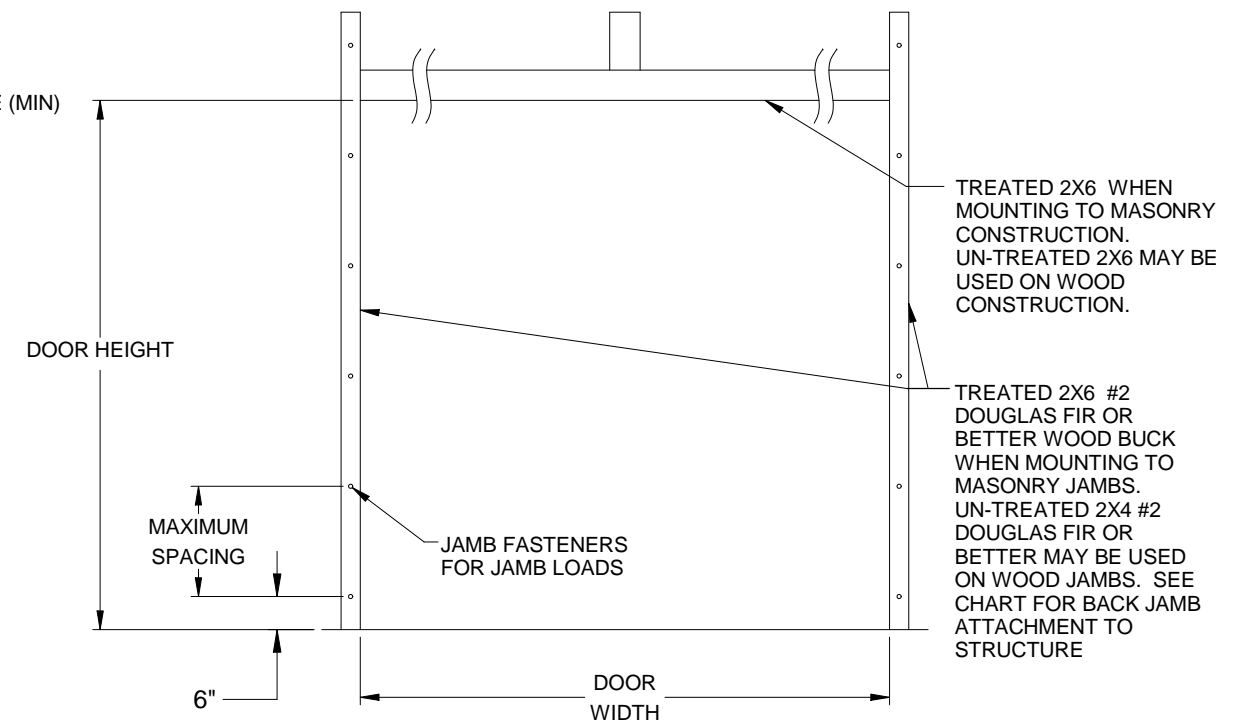
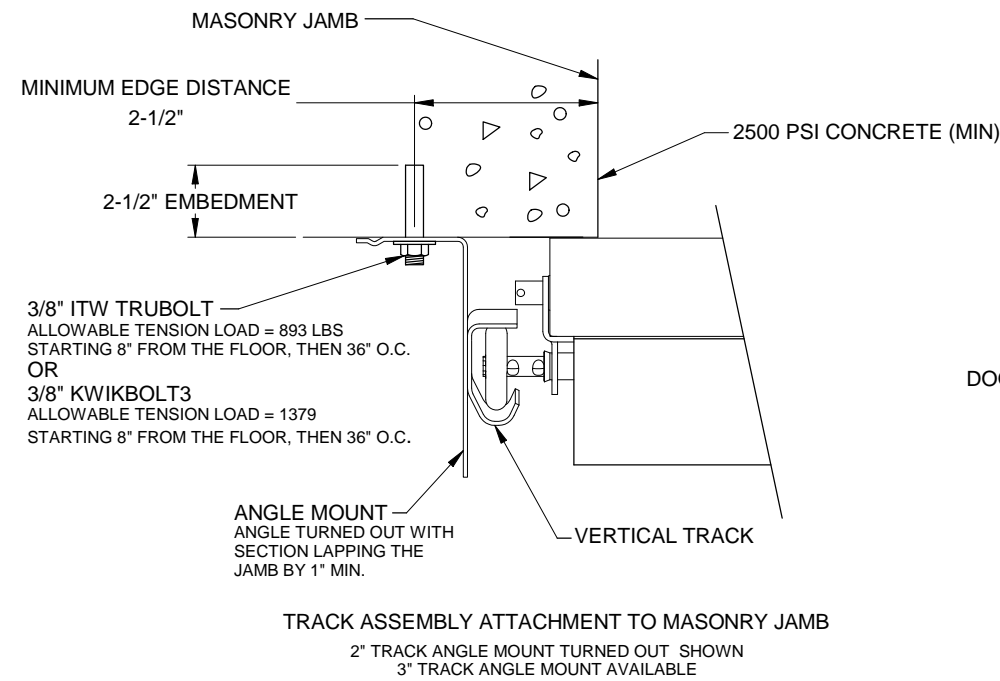
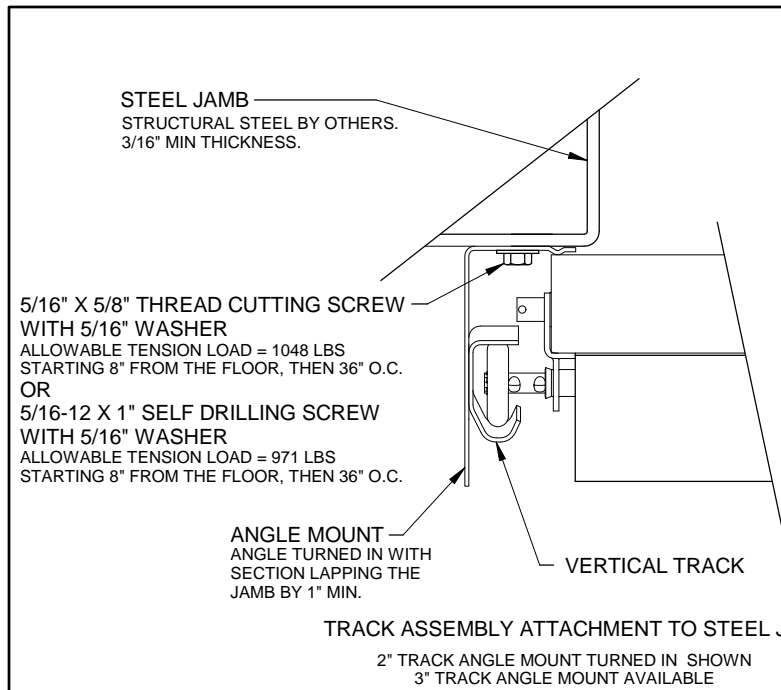


CORNER BRACKET
.086 GALV. STEEL



SHEET METAL SCREW
BOTH STYLES ARE INTERCHANGABLE

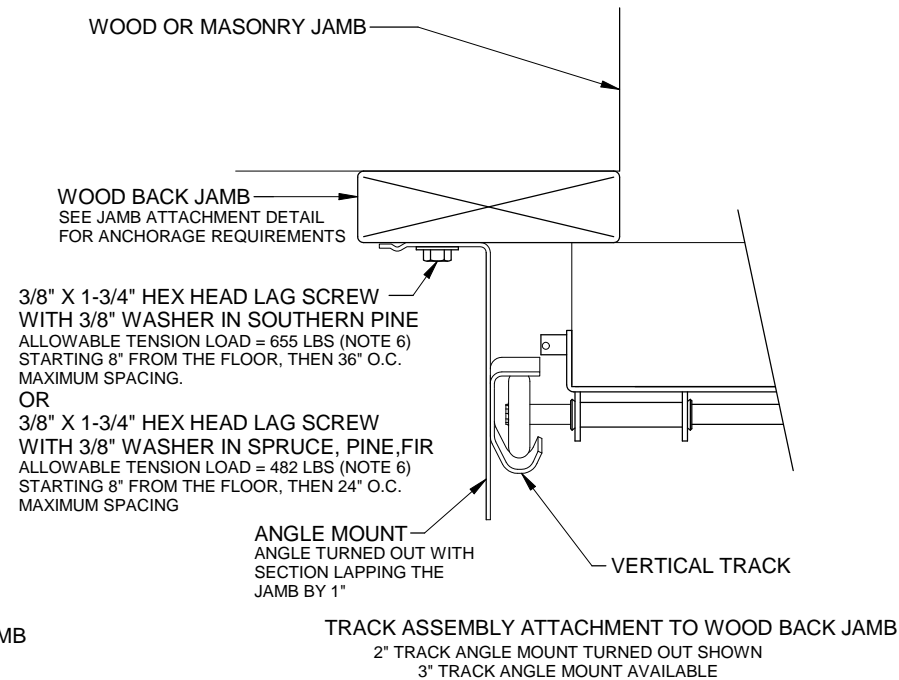
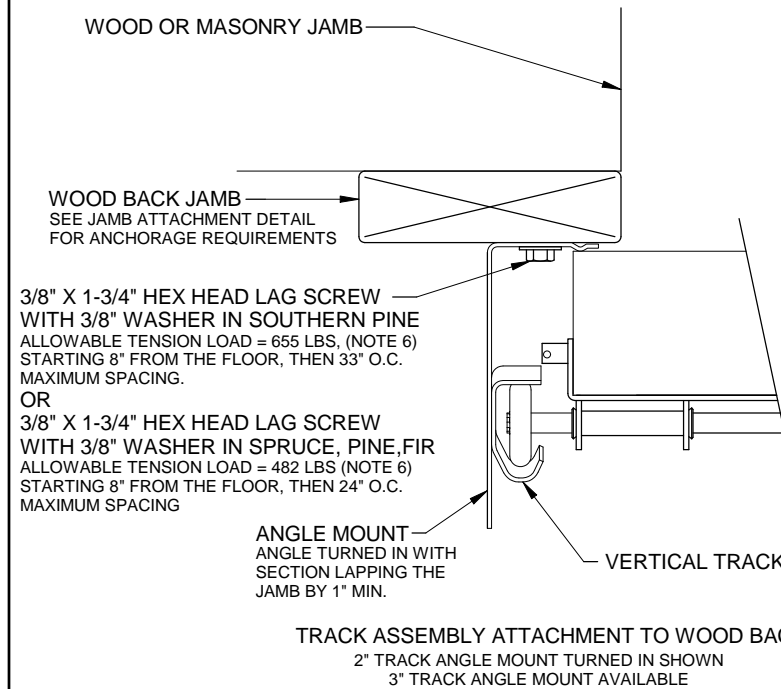
HEX HEAD LAG SCREW



JAMB ATTACHMENT

JAMB ATTACHMENT NOTES

1. MAXIMUM POSITIVE LOAD PER JAMB = (16'-2" X 29.3 PSF) / 2 = 237 LBS PER FOOT
2. MAXIMUM NEGATIVE LOAD PER JAMB = (16'-2" X -32.6 PSF) / 2 = 264 LBS PER FOOT.
3. DESIGN OF THE SUPPORTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE BUILDING DESIGNER AND SHALL BE DESIGNED FOR THE JAMB LOADS LISTED IN NOTES 1 AND 2.
4. ALTERNATE JAMB ATTACHMENTS MAY BE USED IF APPROVED BY A REGISTERED PROFESSIONAL ENGINEER.
5. DASMA TECHNICAL DATA SHEET TDS-161 MAY BE USED FOR ALTERNATE JAMB ATTACHMENTS.
6. 3/8" DIAMETER LAG SCREWS REQUIRE 1/16" DIAMETER PILOT HOLE AND 1-1/2" MINIMUM EDGE DISTANCE.



2X6 ATTACHMENT TO STRUCTURE						
STRUCTURE TYPE	FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE	MINIMUM ON CENTER SPACING	DIMENSION A (MAXIMUM ON CENTER SPACING)	ALLOWABLE TENSION LOAD
2500 PSI MIN. CONCRETE	1/4" TAPCON+ (PLUS) WITH 1-1/8" OD WASHER	2"	2.5"	6"	24"	691
SOUTHERN PINE	3/8" X 3" LAG WITH 1-1/8" OD WASHER	1.50"	1.50"	1.50"	24"	655
SPRUCE PINE FIR	3/8" X 3" LAG WITH 1-1/8" OD WASHER	1.50"	1.50"	1.50"	24"	482