DOOR NUMBER	QTY	OPENING		ACTUAL		MODEL	JAMB			MOUNTING		LOCK	PANELS WIDE	PANELS HIGH	SECTION NUMBER OPEN FOR GLASS							
		WIDTH	HEIGHT	WIDTH	HEIGHT		W	S	M	ANGLE	BRKT				1	2	3	4	5	6	7	8

JOB:

DISTR:

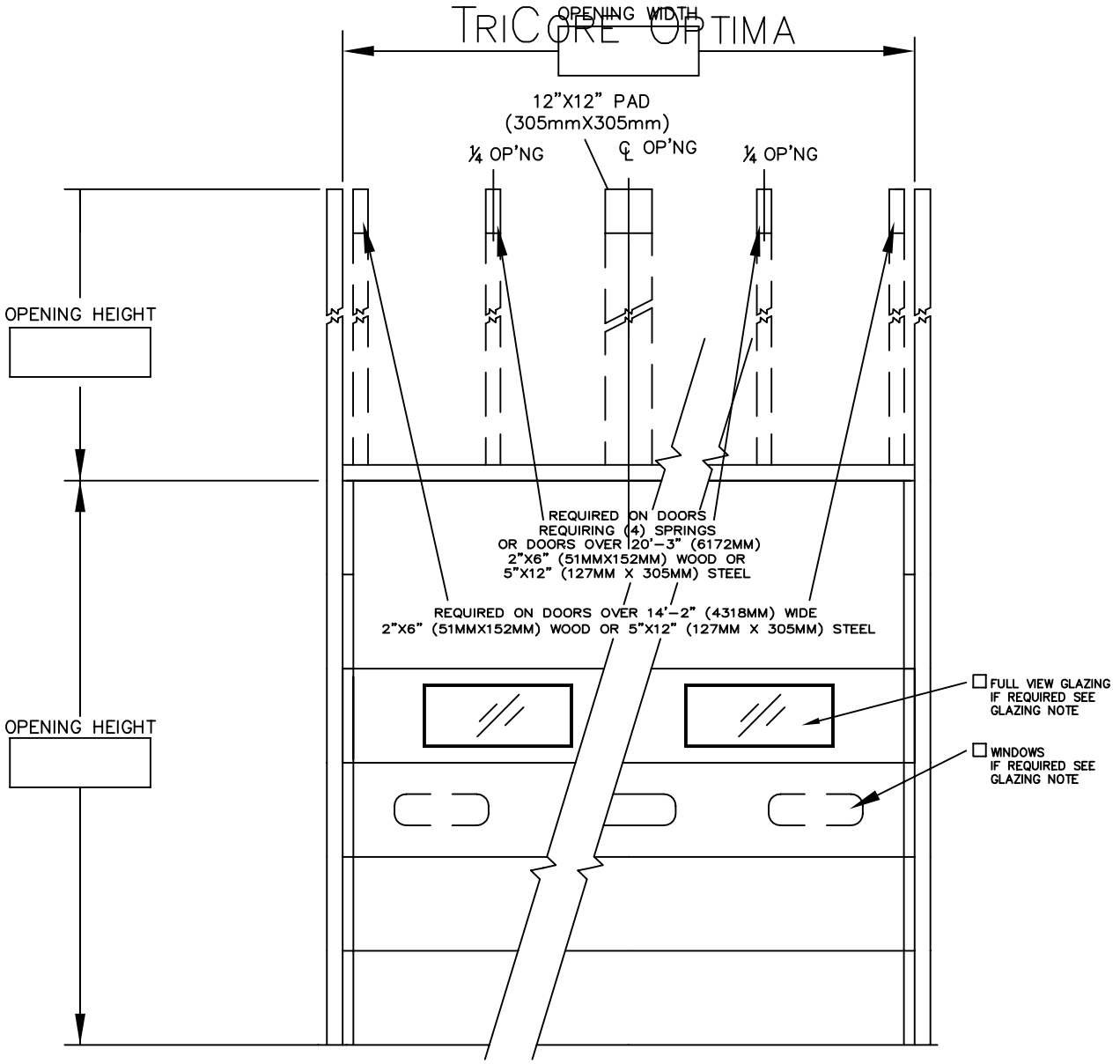
CONTR:

ARCH:

RAYNOR

NR: 2902447

TRICORE OPTIMA



INTERIOR ELEVATION

1) DOORS SHALL BE RAYNOR SECTIONAL OVERHEAD TYPE TRI-CORE OPTIMA (TC20), AS MANUFACTURED BY RAYNOR GARAGE DOOR CO.. SECTIONS SHALL BE 3" (76.2mm) THICK, ROLL-FORMED FROM COMMERCIAL QUALITY HOT-DIPPED GALVANIZED STEEL PER ASTM-924 AND A-653. DOOR SECTIONS ARE CONSTRUCTED OF 20 GAUGE, SMOOTH EXTERIOR SKIN AND 25 GAUGE,STUCCO-EMBOSSED PRESSURE BONDED TO A 2 7/8" 973.0mm) THICK EXPANDED INTERIOR SKIN. THE SKINS ARE MECHANICALLY INTERLOCKED AND POLYSYTRENE CORE. EXTERIOR AND INTERIOR SKINS ARE SEPARATED BY A CONTINUOUS DUAL DUROMETER VINYL EXTRUSION, HELD IN PLACE BY MECHANICAL INTERLOCK, TO FORM AN EFFECTIVE THERMAL BREAK AND COMPLETE WEATHER-TITE SEAL ALONG THE ENTIRE SECTION JOINT. END STILES TO BE 14 GAUGE, SEPARATED FROM EXTERIOR SKIN WITH A VINYL THERMAL BREAK. WHEN TESTED IN ACCORDANCE WITH ASTM C-177, TRICORE SECTIONS HAVE FOLLOWING ENERGY VALUES:
R-VALUE= 16.05 AND U-VALUE=0.065

FINISH- EXTERIOR/INTERIOR OF DOOR SKINS PRE-COATED PRIOR TO ROLL -FORMING WITH A TWO COAT PROCESS OF BAKED ON POLYESTER FINISH OVER EPOXY PRIMER. WHITE EXTERIOR AND WHITE INTERIOR.

☐ TC 20/20 – 20 GAUGE INTERIOR SKIN

☐ GLAZING- LITE INSERTS TO BE FULL VIEW TYPE BY RAYNOR. SECTION CUTOUT SIZE= 37 3/16"(944.6MM)X15 7/16"(392.1MM). GLASS SIZE= 36 1/4"(920.7MM)X14 1/2"(368.3MM)X5/8"(16MM). GLASS BY OTHERS.

☐ GLAZING- LITE INSERTS TO BE FULL VIEW TYPE BY RAYNOR. SECTION CUTOUT SIZE= 43 3/16"(1097MM)X15 7/16"(392.1MM). GLASS SIZE= 42 1/4"(1073.1MM)X14 1/2"(368.3MM)X5/8"(16MM). GLASS BY OTHERS.

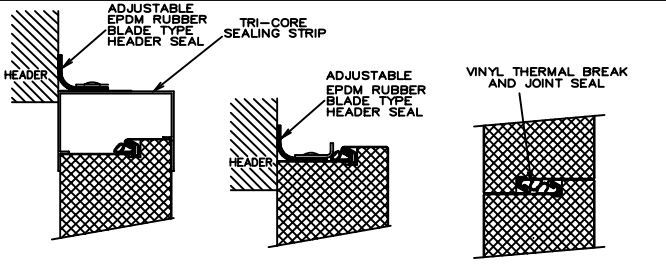
☐ GLAZING (AS SHOWN)- 24" (610MM)X8"(203MM)X _____ (1/8", 1/4",5/8") RUBBER BY RAYNOR

☐ LOCKING – CREMONE TYPE BOLT ENGAGES SLOT IN TRACK, _____ HAND SIDE. FIVE PIN TUMBLER CYLINDER OUTSIDE – NIGHT LATCH INSIDE.

☐ LOCKING – SPRING LOADED SLIDE BOLT ENGAGES SLOT IN TRACK. OPERABLE FROM INSIDE ONLY – MAY BE MOUNTED EITHER SIDE

☐ LOCKING – OMIT LOCK.

LOCKS SHOULD NOT BE SUPPLIED WITH AN ELECTRIC OPERATED DOOR WITHOUT A LOCK INTERLOCK SWITCH.



HEADER SEAL ☐ HEADER SEAL ☐ DOUBLE JOINT SEAL ☐

SHEET 1 OF 2

DOOR NUMBER	QTY	OPENING		ACTUAL		MODEL	JAMB			MOUNTING		LOCK	PANELS WIDE	PANELS HIGH	SECTION NUMBER OPEN FOR GLASS							
		WIDTH	HEIGHT	WIDTH	HEIGHT		W	S	M	ANGLE	BRKT				1	2	3	4	5	6	7	8

JOB:

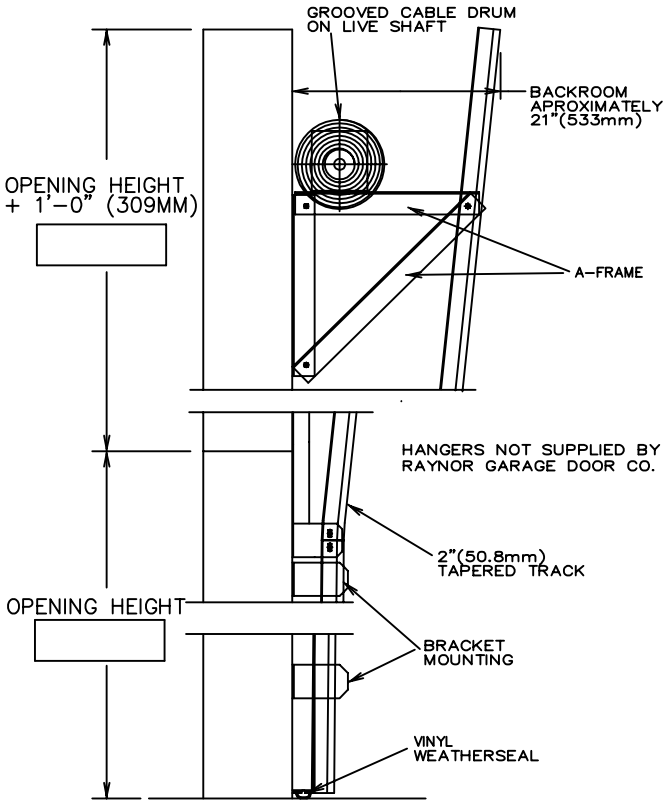
DISTR:

CONTR:

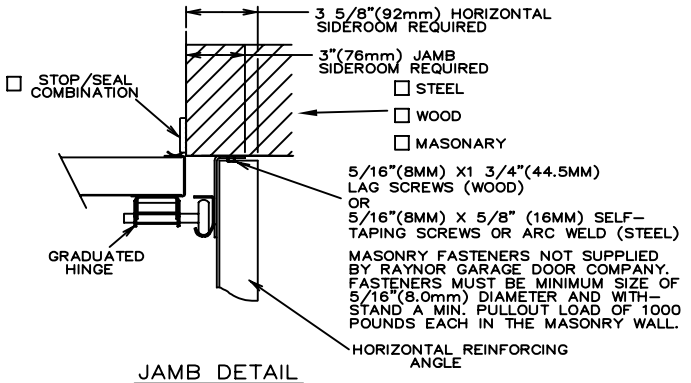
ARCH:

RAYNOR

NR:2902447



SECTION THRU OPENING



JAMB DETAIL

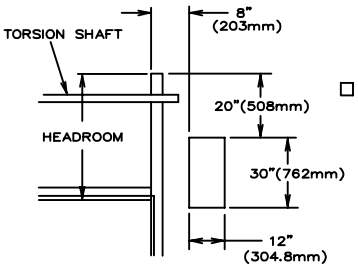
TRACKS- 2" (50.8mm) HOT-DIPPED GALVANIZED TRACK, PER ASTM A-653, TO BE BRACKET MOUNTED AND FULLY ADJUSTABLE FOR SEALING DOOR TO JAMB. HORIZONTAL TRACK TO BE ADEQUETLY REINFORCED WITH CONTINUOUS ANGLE.

HARDWARE- HINGES AND BRACKETS MADE FROM GALVANIZED STEEL. TRACK ROLLERS SHALL HAVE TEN 1/4" (6.4mm) DIAMETER HARDENED STEEL BALLS PER ROLLER.

SPRING COUNTERBALANCE- HEAVY DUTY OIL-TEMPERED WIRE TORSION SPRINGS ON A CONTINUOUS BALL BEARING CROSS-HEADER SHAFT. GALVA-NIZED AIRCRAFT TYPE LIFTING CABLES WITH MIN. SAFETY FACTOR OF 5 TO 1.

ANSI/UL325 REQUIRES THE MOTOR OPERATOR BE MOUNTED A MINIMUM OF 8' ABOVE THE FLOOR OR GUARDING OF THE MOTOR OPERATOR TO PREVENT INJURY.(GUARDS BY OTHERS).

- ☐ RAYNOR POWERHOIST BASIC (PHBJR) 1/2 H.P., 115 VOLT, SINGLE PHASE
- ☐ RAYNOR POWERHOIST BASIC (PHBHR) 1/2 H.P., 115 VOLT, SINGLE PHASE
- ☐ RAYNOR POWERHOIST BASIC (PHBJ) 1/2 H.P., 115 VOLT, SINGLE PHASE
- ☐ RAYNOR POWERHOIST BASIC (PHBJH) 1/2 H.P., 115 VOLT, SINGLE PHASE
- ☐ RAYNOR POWERHOIST STANDARD (RBJ) ___ H.P., ___ VOLT, _____ PHASE
- ☐ RAYNOR POWERHOIST STANDARD (RBJH) ___ H.P., ___ VOLT, _____ PHASE
- ☐ RAYNOR POWERHOIST OPTIMA (RGJH) ___ H.P., ___ VOLT, _____ PHASE
- ☐ WIRING TYPE-SR2 WIRING, MOMENTARY CONTACT OPEN/CLOSE/STOP. SAFETY EDGE TO REVERSE.
- ☐ WIRING TYPE-SPECIAL (NOT AVAILABLE WITH PHBT OPERATORS) SPECIFY SPECIAL WIRING TYPE _____
- ☐ PNEUMATIC SAFETY EDGE TO REVERSE
- ☐ ELECTRIC SAFETY EDGE TO REVERSE
- ☐ THRU-BEAM PHOTO EYES
- ☐ COIL CORD OR ☐ CABLE TAKE UP REEL



JACKSHAFT MOUNTING DETAIL

POSITION # _____ REQUIRED

(TYPICAL DIMENSIONS)

RAYNOR DOES NOT RECOMMEND THE USE OF A JACKSHAFT OPERATOR ON DOORS WITH LESS THAN OR EQUAL TO 30"(762MM) OF HEADROOM. RAYNOR RECOMMENDS THE USE OF A TROLLEY TYPE OPERATOR IN THESE SITUATIONS.