SHOWN DIMENSIONS ARE WITH WALLS AT MINIMUM SPAN POSITION (MINIMUM CEILING HEIGHT, MAXIMUM FLOOR HEIGHT)

REFER TO MODEL FOR SHAPE OF CURRENT CEILING DEFLECTION.
INSTRUMENTATION

CABLE LENGTH FOR CLIENT

MINIMUM RECOMMENDED
CABLE LENGTH FOR CLIENT INSTRUMENTATION

15 FEET TO BE USED FOR ANGLES GREATER THAN 15°

ADD MINIMUM OF 4 FEET IF TURNTABLE IS INTERFERENCE WITH BALANCE

UNDER-TABLE ROUTING SLOTS
(SIMILAR ON CLIENT SIDE)

AS SHOWN, CABLE IS 19 FEET TO CENTER OF TURNTABLE. NOTE CABLE CANNOT EXIT THROUGH CENTER OF TURNTABLE (DUE TO TURNTABLE BRAKE)

ALL CABLES MUST PASS UNDER BRAKE AS SHOWN

MINIMUM RECOMMENDED ROUTING SLOT WIDTH

102

MINIMUM RECOMMENDED ROUTING SLOT DEPTH

25
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**LIMITED MACHINING ON TURNTABLE ITSELF**

- **EXAMPLE CABLE, MINIMUM LENGTH:** ADD 4 FEET FOR ROTATION OF TURNTABLE
- **TYPICAL ROUTING SLOT WIDTH:** 4
- **WIDE SACRIFICIAL PLATE WIDTH:** 0.7
- **NARROW SACRIFICIAL PLATE WIDTH:** 0.5
- **SACRIFICIAL PLATE LENGTH:** 16.5
- **TURNTABLE DIAMETER:** 1591
- **WIDE SACRIFICIAL PLATE WIDTH:** 0.7
- **NARROW SACRIFICIAL PLATE WIDTH:** 0.5
- **SACRIFICIAL PLATE LENGTH:** 16.5
- **TURNTABLE DIAMETER:** 1591

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**SACRIFICIAL PLATES (6 TOTAL) CAN BE MACHINED TO SUIT TEST ALUMINUM OR ACRYLIC**

- **TOP OF TURNTABLE CAVITY AND BOTTOM OF WHEELBASE SLED AND CLEARANCE BETWEEN:** 0.7
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- **TOP OF WHEELBASE SLED AND BOTTOM OF TURNTABLE CAVITY AND CLEARANCE BETWEEN:** 0.5
- **TOP OF WHEELBASE SLED AND BOTTOM OF TURNTABLE CAVITY AND CLEARANCE BETWEEN:** 0.5
- **L-BRACKETS FIXED TO VERTICAL WALLS CAN BE USED FOR MODEL MOUNTING WHEN TESTING WITHOUT GROUND PLANE**

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**EXAMPLE CABLE, MINIMUM LENGTH:** ADD 4 FEET FOR ROTATION OF TURNTABLE

- **WIDE SACRIFICIAL PLATE WIDTH:** 0.7
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INNER EDGE IS LIMIT OF MODEL-MOUNTING STUD LOCATION

HOLE INSIDE LENGTH

WIDE HOLE INSIDE WIDTH

NARROW HOLE INSIDE WIDTH

THIS HOLE USED FOR TRACK ARM CLAMPING

TRACK ARM CLAMPING 1/2 - 20 THREAD

SLOTS FOR 1/2 [12] STUD MODEL MOUNTING

TRACK ARM SLIDES ON WHEELBASE SLED FOR MODEL MOUNTING

WHEELBASE SLED

FORCE BALANCE

SPACE BETWEEN WHEELBASE SLEDS

WIDTH OF TRACK ARM

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1.10 BALANCE MOMENT CENTER TO YAW TABLE CENTERLINE (FLOW DIRECTION)

3.24 YAW TABLE CL NORMAL FORCE AXIS

BALANCE MOMENT CENTER TO TOP OF YAW TABLE (HEIGHT DIRECTION)

82.3 BALANCE MOMENT CENTER TO YAW TABLE CENTERLINE (FLOW DIRECTION)

28.0