

Order Plans

@

WWW

Line.com

#12 GA. MINIMUM VERT. HANGER SAFETY WIRE @ 48" O.C.
EXTEND WIRE SUPPORT ACROSS FIXTURE. EXTEND TO EA. CORNER DIAGONALLY

FOR C, D, E, & F SEISMIC CATEGORIES

FIXTURE SUPPORT N.T.S. **8**

FOR CATEGORY C THIS DETAIL IS TO BE INSTALLED AT ALL PERIMETER WALLS

FOR CATEGORIES D, E, & F THIS DETAIL IS TO BE INSTALLED AT THE TWO ADJACENT WALLS WITH SLIDING GRID CONNECTIONS ONLY. OPPOSITE WALLS ARE TO BE FIXED

ACM7 SEISMIC CLIP-OR-SPREAD PREVENTION BARS CONTRACTORS OPTION
WALL MOLDING AS PER DETAIL J
7/8" -OF- 2" AS PER DETAIL J
8" MAX
HANGER WIRE AT EACH MAIN RUNNER ALL SIDES
TEE

CLIP-FLOATING AT WALL N.T.S. **7**

FOR C SEISMIC CATEGORY THIS DETAIL IS TO BE INSTALLED (CONSTRUCTED) AT ALL PERIMETER WALLS ALLOWING MOTION IN 2 DIFFERENT DIRECTIONS

FOR D, E, & F SEISMIC CATEGORIES THIS DETAIL IS TO BE CONSTRUCTED ON (2) ADJACENT WALLS ONLY. THE OPPOSITE SIDES OF THE ROOM (GRID) ARE TO BE ATTACHED TO THE WALL ALLOWING MOTION IN ONE DIRECTION

FOR D, E, & F SEISMIC CATEGORIES (REF. STRUCT.)

3/4" MIN. - 1 1/2" MAX. CLEARANCE @ D, E, & F SEISMIC CATEGORIES
3/8" MIN. - 3/4" MAX. CLEARANCE @ C SEISMIC CATEGORY
WALL ATTACHMENT WITH SLOT FOR ALLOWING LATERAL MOTION
WALL MOLDING
CATEGORIES D, E, & F SUSPENSION SYSTEM MUST BE ATTACHED TO TWO ADJACENT WALLS ONLY
CATEGORY C SUSPENSION SYSTEM MUST NOT BE ATTACHED TO WALL MOLDING

2" MIN @ D, E, & F SEISMIC CATEGORIES (REF. STRUCT.)
4" MIN @ C SEISMIC CATEGORY (REF. STRUCT.)

CLIP-FLOATING AT WALL N.T.S. **6**

HANGER WIRE
SEISMIC LOCKING PIN
CROSS RUNNER
MAIN RUNNER

FOR C, D, E, & F SEISMIC CATEGORIES

TYP. SEISMIC LOCKING PIN DETAIL N.T.S. **5**

FOR CATEGORIES D, E, & F INSTALL 3/4" EMT RIGID COMPRESSION POST IN LIEU OF HANGER WIRE.

FOR CATEGORY C INSTALL #12 GA. MINIMUM VERT. HANGER WIRE @ 48" O.C. BOTH DIRECTIONS

3 TURNS MIN. TYP.
45° MAX.
45° MAX.
45° MAX.
45° MAX.
SPLICE
CL INTERSECTION OF RUNNERS
MAIN RUNNER
CROSS RUNNER

NOTE:
45° SPLAY WIRE (#12 GA. MINIMUM) BRACING IN VERT. PLANES THROUGH MAIN & CROSS BRACING. SPLAY WIRE BRACING @ 4'-0" O.C. IN BOTH DIRECTIONS. ALL WIRES ATTACHED TO MAIN RUNNER. 4 WIRES BRACING AT 4'-0" O.C.

SPLAY BRACING @ SUSPEND. CEILING N.T.S. **4**

MECHANICAL UNIT REF. MECHANICAL FOR MANUFACTURER
MECHANICAL UNIT CURB REF. MECHANICAL FOR MANUFACTURER
(8) #10 TEK SCREWS TYP. EACH SIDE OF MECH. UNIT
1/4" BENT PLATE CONT.
1/2" LAG BOLT W/ WASHER @ 12" O.C. (MINIMUM 2 BOLTS PER SIDE)
2X6 BRIDGING
PL. 1/2X12XCONT.

MECHANICAL AT CEILING N.T.S. **3**

MFR.: EGER PRODUCTS, INC.
MODEL: EGER ADVANTAGE AIR DIFFUSERS: EA314-B
COLOR: BLACK
SIZE: 2" TALL, 14" COLLAR
TYPE: DIFFUSER
MATERIAL: PLASTIC
MOUNTING: LAY-IN

DISTRIBUTOR: GARY BELTZ, OWNER
330.418.9348
BUCKEYE PLASTIC AIR DIFFUSERS
3935 APRIL DRIVE
UNIONTOWN, OHIO 44685

PLASTIC DIFFUSER SPECIFICATION N.T.S. **2**

THE FOLLOWING ARE SEISMIC IBC CODE REQUIREMENTS FOR LAY-IN ACOUSTICAL PANELS AND DIRECT HUNG ACOUSTICAL TILES:

BASIC CONNECTIONS, PERIMETER, AND LATERAL SPLAY BRACING:	CATEGORY C REQUIREMENTS:	CATEGORY D,E,F REQUIREMENTS:
1. MINIMUM INTERSECTION STRENGTH LIMITS @ MT/CT ⁸	60 LBS.	180 LBS.
2. VERTICAL HANGER WIRE 12-GAUGE @ 4'-0" O.C.	REQUIRED	REQUIRED
3. MAIN TEE CLASSIFICATIONS	INTERMEDIATE DUTY	HEAVY DUTY
4. 1 IN 6 MAX PLUMB OF VERTICAL HANGER WIRES	REQUIRED	REQUIRED
5. GRID END/WALL CLEARANCE	MIN 3/8"	3/4" MIN.
6. PERIMETER CLOSURE (MOLDING) WITH ACM7 CLIP	MIN 7/8"	2" MIN.
7. PARTITION ATTACHMENT	NOT PERMITTED	NOT PERMITTED
8. PERIMETER TEE ENDS TIED TOGETHER	REQUIRED	REQUIRED
9. COMPLY WITH ASTM.	E 580	C636 & E580
10. SEISMIC SEPARATION JOINTS	NOT REQUIRED	CEILINGS > 2500 S.F.
11. HORIZONTAL RESTRAINT WIRES	NOT REQUIRED	CEILINGS > 1000 S.F.

LIGHT FIXTURE ATTACHMENT	CATEGORY C REQUIREMENTS:	CATEGORY D,E,F REQUIREMENTS:
1. LIGHT FIXTURE (ALL TYPES) MECHANICALLY ATTACHED TO GRID NEC 410-16 (TWO PER FIXTURE UNLESS INDEPENDENTLY SUPPORTED)	REQUIRED	REQUIRED
2. PENDANT-HUNG FIXTURES DIRECTLY SUPPORTED FROM STRUCTURE WITH 9-GAUGE WIRE (OR APPROVED ALTERNATIVE)	REQUIRED	REQUIRED
3. RIGID LAY-IN OR CAN LIGHT FIXTURES:		
A. ≤10 LBS - ONE (1) WIRE TO STRUCTURE (MAY BE SLACK)	REQUIRED	REQUIRED
B. ≤11 TO 58 LBS - TWO (2) WIRES FROM HOUSING TO STRUCTURE (MAY BE SLACK)	REQUIRED	REQUIRED
C. ≥57 LBS - SUPPORTED DIRECTLY TO STRUCTURE BY APPROVED	REQUIRED	REQUIRED

NOTES:

- THE ABOVE INFORMATION IS CORRECT TO THE BEST OF OUR KNOWLEDGE AT THE DATE OF ISSUANCE. BECAUSE CODES CONTINUE TO EVOLVE, CHECK WITH LOCAL OFFICIAL PRIOR TO DESIGNING AND INSTALLING A CEILING SYSTEM. THIS IS ONLY INTENDED AS A QUICK REFERENCE.
- BASIS OF DESIGN: ALL ARMSTRONG SEISMIC RX ® BRAND CEILING SUSPENSION SYSTEMS MEET OR EXCEED THESE REQUIREMENTS. OTHER SYSTEMS THAT MEET OR EXCEED IBC INSTALLATION REQUIREMENTS ARE APPROVED.

SEISMIC ACOUSTICAL CEILING NOTES **1**



12144.400

△
△
△
△
△
△
△
△
△
△
△

CONTRACT DATE: 10.23.17
BUILDING TYPE: EXP. LITE MED40
PLAN VERSION: DECEMBER 2016
SITE NUMBER: 311687
STORE NUMBER: 436563

TACO BELL
3923 SHAKEDOWN ST.
CHARLOTTE, NC



SEISMIC CEILING DETAILS

A6.5