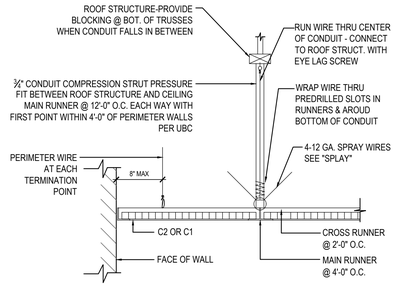
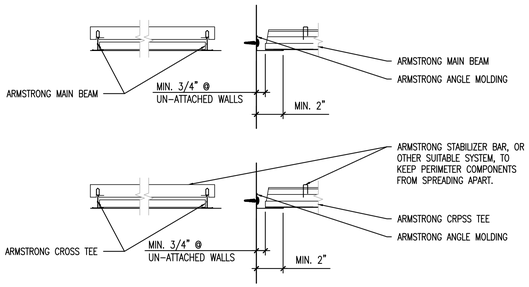


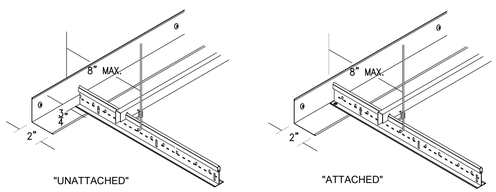
NOTE: THIS DETAIL IS APPLICABLE IN SEISMIC ZONES OR WHERE REQUIRED BY LOCAL CODE.

CEILING DETAIL 4
N.T.S. A-105



Side View Category D, E & F Details

SIDE VIEW CATEGORY D, E & F DETAILS 3
N.T.S. A-105



D. SIDE REACH LIMITS

CATEGORY D, E & F STANDARD DETAIL 2
N.T.S. A-105

SUSPENDED CEILING NOTES:

A. A HEAVY DUTY T-BAR GRID SYSTEM SHALL BE USED. SPECIFIED ON CEILING SCHEDULE ON SHEET A-105.

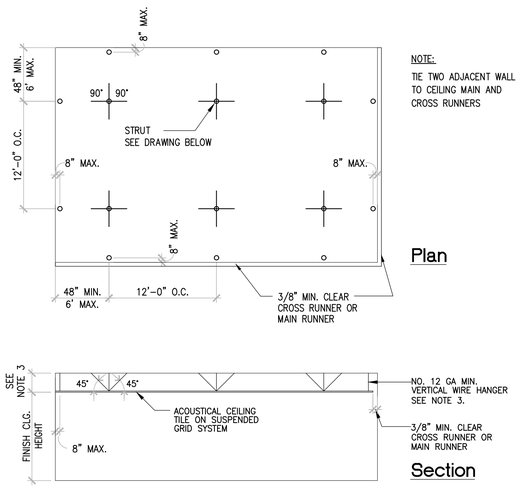
B. EACH SUSPENDED CEILING AREA SHALL BE PROVIDED WITH CLOSURE ANGLES NOT LESS THAN 2" IN WIDTH. IN EACH ORTHOGONAL HORIZONTAL DIMENSION, ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE CLOSURE ANGLE. THE OTHER END SHALL HAVE A 0.75" CLEARANCE FROM THE WALL AND SHALL REST UPON AND BE FREE TO SLIDE ON THE CLOSURE ANGLE.

C. FOR CEILING AREA EXCEEDING 2500 SF, A SEISMIC SEPARATION JOINT OR FULL HEIGHT PARTITION THAT BREAKS THE CEILING UP INTO AREAS NOT EXCEEDING 2500 SF SHALL BE PROVIDED UNLESS STRUCTURAL ANALYSIS ARE PERFORMED OF THE CEILING BRACING SYSTEM FOR THE PRESCRIBED SEISMIC FORCES THAT DEMONSTRATE CEILING SYSTEM PENETRATIONS AND CLOSURE ANGLES PROVIDE SUFFICIENT CLEARANCE TO ACCOMMODATE THE ANTICIPATED LATERAL DISPLACEMENT. EACH AREA SHALL BE PROVIDED WITH CLOSURE ANGLES.

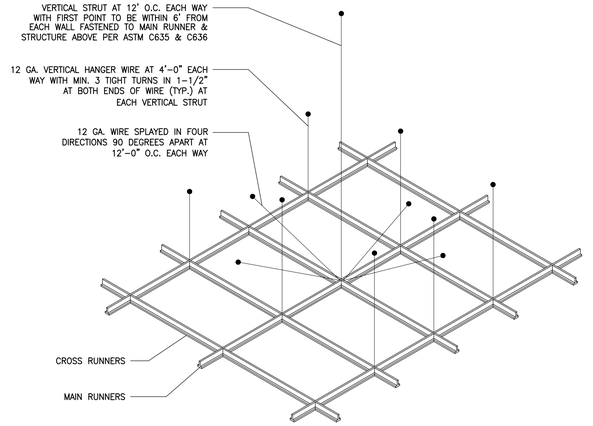
D. EXCEPT WHERE RIGID BRACES ARE USED TO LIMIT LATERAL DEFLECTIONS, SPRINKLER HEADS AND OTHER PENETRATION SHALL HAVE A 2 INCH OVERSIZED RING, SLEEVES, OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT OF AT LEAST 1 INCH IN ALL HORIZONTAL DIRECTIONS. ALTERNATIVELY, A SWING JOINT THAT CAN ACCOMMODATE 1" OF CEILING MOVEMENT IN ALL DIRECTIONS IS PERMITTED TO BE PROVIDED AT THE TOP OF THE SPRINKLER HEAD EXTENSION.

E. LATERAL BRACING FOR SUSPENDED CEILING SHALL BE PROVIDED. WHERE CEILING IS NOT SUPPORTING INTERIOR PARTITIONS, CEILING BRACING SHALL BE PROVIDED BY FOUR NO. 12 GUAGE WIRES SECURED TO THE MAIN RUNNER WITHIN 2" OF THE CROSS RUNNER INTERSECTION AND SPLAYED 90° FROM EACH OTHER AT AN ANGLE NOT EXCEEDING 45° FROM THE PLANE OF THE CEILING. A STRUT (ADEQUATE TO RESIST THE VERTICAL COMPONENT FROM LATERAL LOADS) FASTENED TO THE MAIN RUNNER SHALL BE EXTENDED TO AND FASTENED TO THE STRUCTURAL MEMBERS OF THE ROOF OR FLOOR ABOVE. THESE HORIZONTAL RESTRAINT POINTS SHALL BE PLACED 12'-0" O.C. IN BOTH DIRECTIONS WITH THE FIRST POINT WITHIN 6'-0" OF EACH WALL. ATTACHMENT OF RESTRAINT WIRES TO THE STRUCTURE ABOVE SHALL BE ADEQUATE FOR THE LOAD IMPOSED.

F. SPECIAL INSPECTION OF INSTALLATION IS REQUIRED.



TYP. SUSPENDED CEILING VERTICAL AND LATERAL SUPPORT DETAIL 1
N.T.S. A-105



SUSPENDED CEILING SYSTEMS— ASCE 7-05 SECTION 13.5.6, ASTM C635 & ASTM C636

SUSPENDED CEILING SYSTEMS SHALL BE DESIGNED TO RESIST A LATERAL FORCE OF 20% OF THE WEIGHT OF THE CEILING ASSEMBLY AND ANY LOADS TRIBUTARY TO THE SYSTEM. FOR PURPOSES OF DETERMINING THE LATERAL FORCE, A MINIMUM CEILING WEIGHT OF 5 POUNDS PER SQUARE FOOT SHALL BE USED.

WHEN THE CEILING LOADS DO NOT EXCEED 5 POUNDS PER SQUARE FOOT AND WHERE PARTITIONS ARE NOT CONNECTED TO THE CEILING SYSTEM, THE FOLLOWING BRACING SYSTEM MAY BE EMPLOYED:

1. ALLOWANCE SHALL BE MADE FOR LATERAL MOVEMENT OF THE SYSTEM. MAIN RUNNERS AND CROSS RUNNERS MAY BE ATTACHED AT TWO ADJACENT WALLS WITH CLEARANCE BETWEEN THE WALL AND THE RUNNERS MAINTAINED AT OTHER TWO WALLS.
2. VERTICAL SUPPORT SHALL BE PROVIDED AS REQUIRED IN UBC STANDARD, WITH THE ADDED REQUIREMENT THAT DISCONTINUOUS ENDS OF CROSS RUNNERS AND MAIN RUNNERS SHALL BE VERTICALLY SUPPORTED WITHIN 8" OF SUCH DISCONTINUITIES AS MAY OCCUR WHEN THE CEILING IS DISRUPTED BY A WALL.
3. LIGHTING FIXTURES AND AIR DIFFUSERS SHALL BE SUPPORTED DIRECTLY BY WIRES TO THE STRUCTURE ABOVE.

PANDA EXPRESS CHINESE KITCHEN

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REVISIONS:

1	ARCHITECTURAL DETAILS	07/30/2017

ISSUE DATE:

1	35% SUBMITTAL	12/21/2016
2	100% SUBMITTAL	05/01/2017
3	BID SET	07/03/2017
4	CONSTRUCTION SET	07/30/2017

CHECKED BY: CF
DRAWN BY: STAFF

PANDA PROJECT #: B1-17-D5167
ARCH PROJECT #:

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I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND
LICENSE NO: 10225
EXPIRATION DATE: 1-19-2019

CONSTRUCTION SET - 2017/0730

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NAS PAX RIVER
PAX RIVER NAVY BASE
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A-105
CEILING DETAILS