







TYPICAL 7. SPACES 48" O.C. (TEE BAR)

18" ANN TEE BAR TOD

19" FREE END

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

1. 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0 GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY

PROVIDE 12 GA HANGER WIRES WITHIN 8" OF THE ENDS
OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE
LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE
PERIMETER OF THE CEILING AREA.

3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT
MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER
SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR
BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS
OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE
THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED

4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.

5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.

6. PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:

(A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY
WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12
FEET ON CENTER.

B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2
THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT
THE EDGE OF VERTICAL CEILING OFFSETS

THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA APPROVAL.

- FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS.
  FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT
  TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR
  BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE
  INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE
  WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION
  OF THE FORCES ACTING ON THE WIRE.
- 8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC., IT IS ACCEPTABLE TO ATTACH LIGHT-WEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO DSA.

2. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.

10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.

11. CLASSIFICATION OF CEILING GRID: CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY". PER ASTM C635 MANUFACTURER'S CATALOG NUMBER — MAIN RUNNER HEAVY DUTY.

MANUFACTURER'S CATALOG NUMBER - MAIN RONNER HEAVY BUTTON
MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER PER TABLE A.

MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A.

ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS 1, 24" X 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

| MANUFACTURER | MAIN TEE | H.D. 4' CROSS TEE | H.D. 2' CROSS TE |
|--------------|----------|-------------------|------------------|
| DONN/USG     | DX-26    | DX-424            | OX-216           |
| ARMSTRONG    | 7301     | 7341              | 7323             |
| CHICAGO MET. | 200-01   | 1204-01           | 1226-01          |
|              |          |                   |                  |

 FILE NO. PC

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24 X 40 RELOCATABLE CLASSROOMS American Medular Systems Inc.
787 Spreckejs Ave. Menteca, CA 95336
(209)825-1921 Fax (209)825-7018



CUSTOMER: BAKERSFIELD CITY SCHOOL DISTRICT

SCALE:1/4"=1'-0"

CEILING GRID, DETAILS AND NOTES

|    | DATE: 11-17-03 |    |
|----|----------------|----|
|    | SCALE: NONE    |    |
|    | DRAWN BY: M.H  | 1. |
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