

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

333 EAST GARNETT CT. MANTENO, CALIFORNIA 95337
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CUSTOMER:

CEILING GRID, DETAILS AND NOTES

DATE: 10-19-99
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
SERIAL NO.

REVISIONS

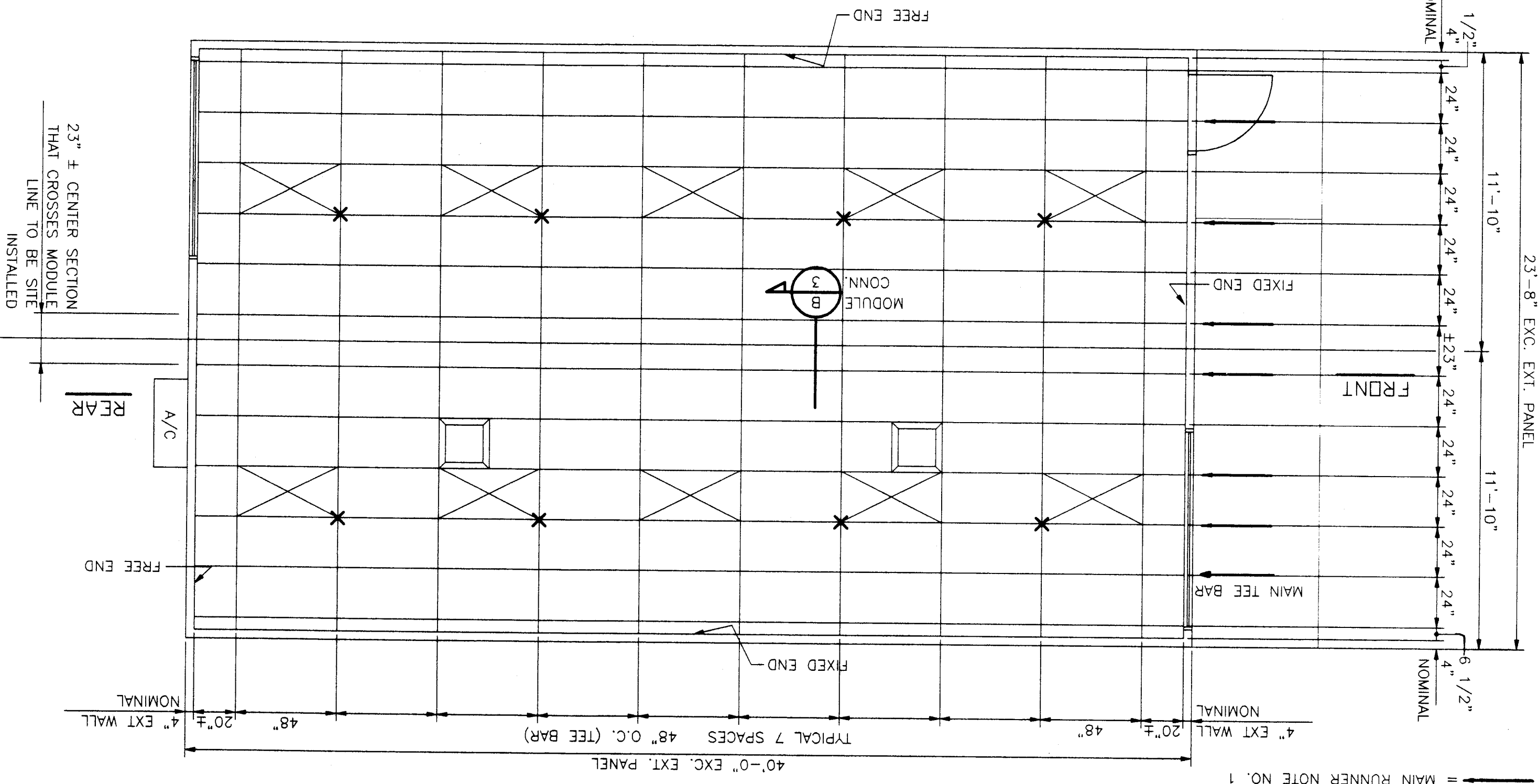
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

3
SHEET NO.

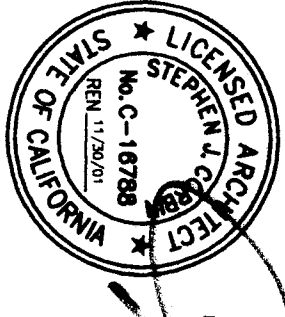
PROJECT NO.

CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

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



THESE DRAWINGS AND/OR SPECIFICATIONS AND/OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS WHO ARE LICENSED AND EXAMINED BY THE STATE OF CALIFORNIA. THESE DOCUMENTS HAVE BEEN EXAMINED BY THE STATE OF CALIFORNIA AND HAVE BEEN FOUND TO BE IN ACCORDANCE WITH THE TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY THE LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THE PROJECT FOR WHICH I HAVE BEEN DELEGATED RESPONSIBILITY FOR THIS PORTION OF A LIST OF ITEMS HAVE BEEN REVIEWED AND ACCEPTED (FOR DRAWINGS, A LIST OF ALL ACCEPTED DRAWINGS ARE ATTACHED SEE SHEET NO. 1).



EXPIRATION DATE: 10/19/00
LICENSE # C-16788
DATE 10/19/99

1. 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO 12 GA. (MIN) HANGER WIRES FOR LAY IN PANEL CEILING METAL SUSPENSION SYSTEMS.
2. PROVIDE 12 GA. HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE PERIMETER OF THE CEILING AREA.
3. PROVIDE TRAPEZOID 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 AREAS. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED WIRES.
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. IT WOULD RUN DIAGONALLY TO CEILING GRID SYSTEM 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. A MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS 12" OR LESS. THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE SETS OF 4-#12 GA. SPACED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
(A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPACED WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
(B) THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS.

NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER

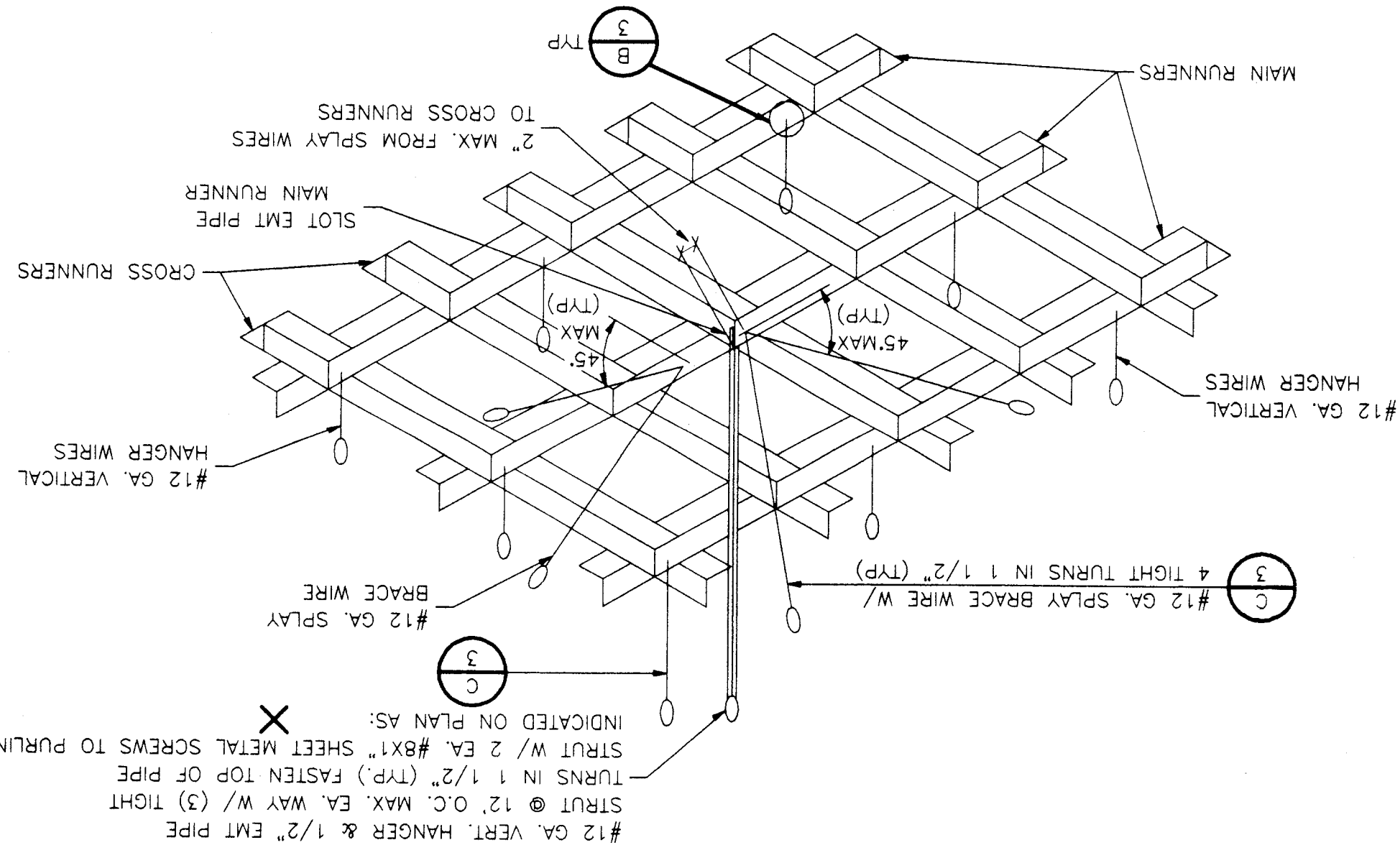
CHICAGO MET.	200-01	1204-01	7341	7341	7341
ARMSTRONG	7301	7341	7341	7341	7341
DOHN/USG	DX-26	DX-424	DX-216	DX-216	DX-216
MANUFACTURER	H.D. 4" CROSS TEE	H.D. 2" CROSS TEE	H.D. 2" CROSS TEE	H.D. 2" CROSS TEE	H.D. 2" CROSS TEE

7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. 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.
9. 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:
MANUFACTURER'S CATALOG NUMBER - MAIN RUNNER HEAVY DUTY
MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER PER TABLE A
PER ASTM C635
MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER
SPURCE 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.

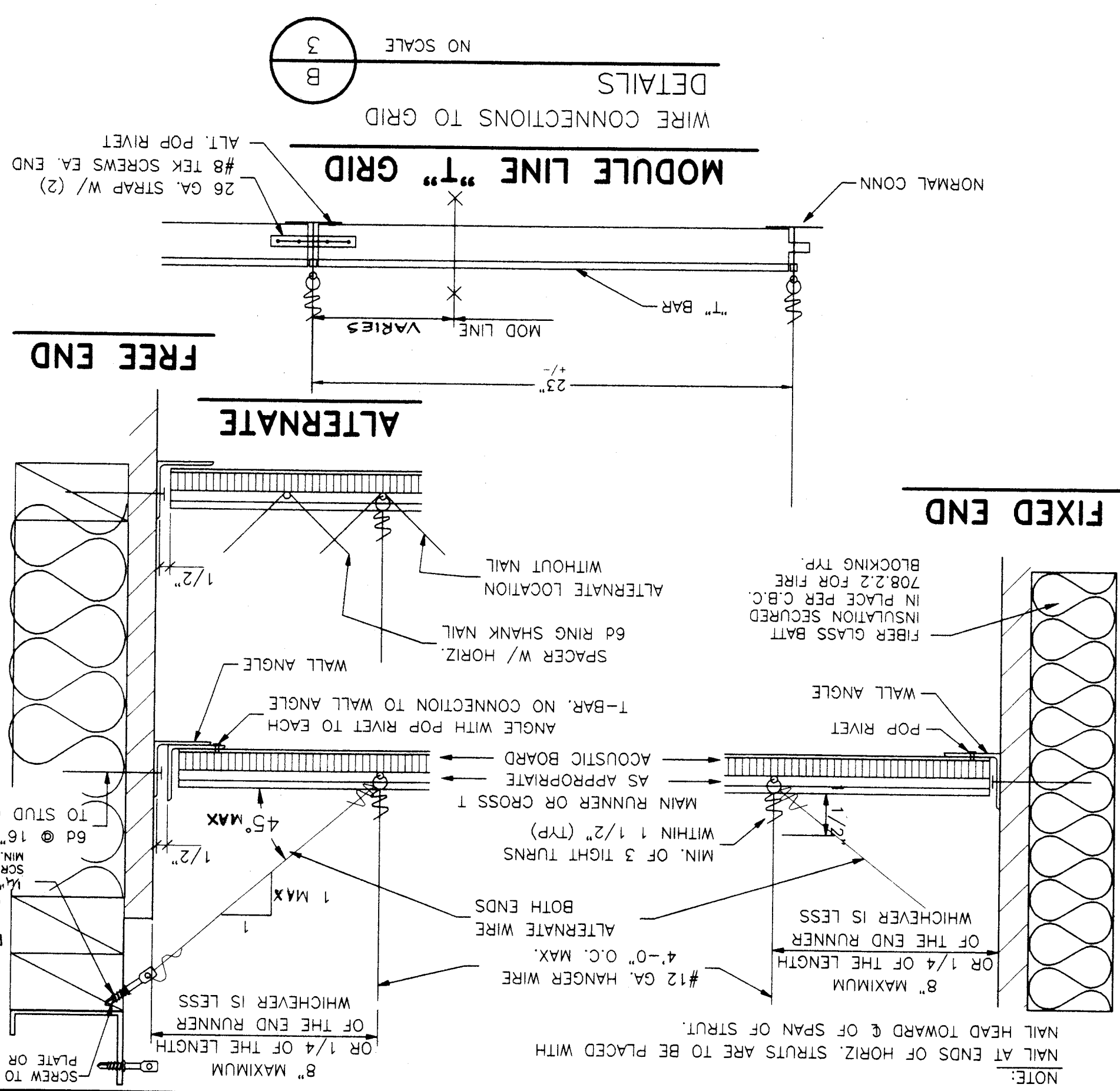
DATE: 10-19-99
APPL. OF REG. STAMP
OFFICE OF REGULATION SERVICES
FILE NO. 10-19-99

ATTACHMENT FOR CEILING GRID

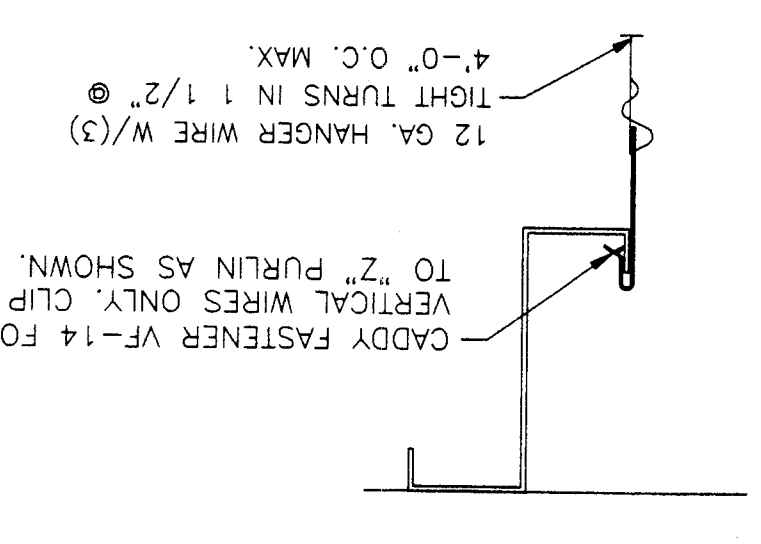
NOTE: SPACED BRACING WIRES SHALL BE SPACED NOT MORE THAN 12 FT. ON CENTER, OR MORE THAN 6 FT. FROM WALLS.



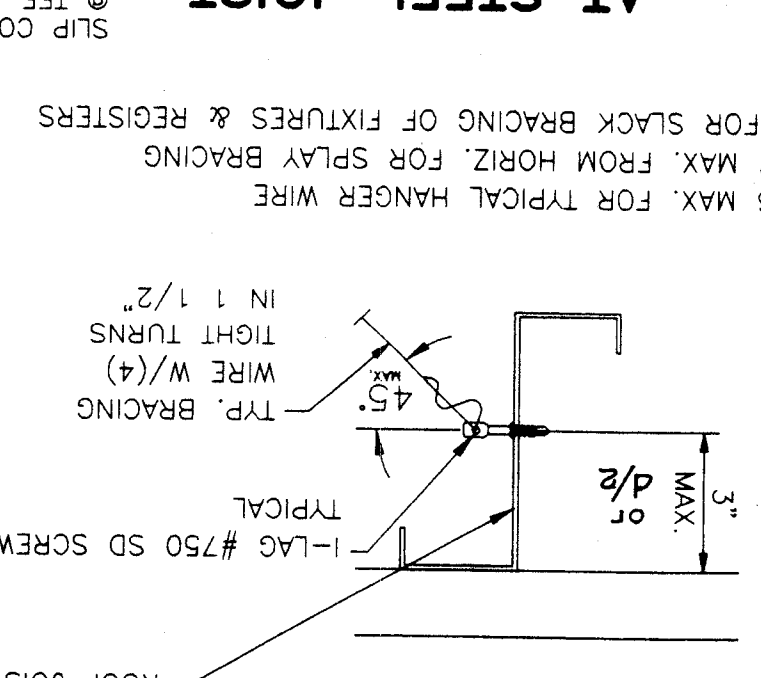
WIRE CONNECTIONS TO GRID



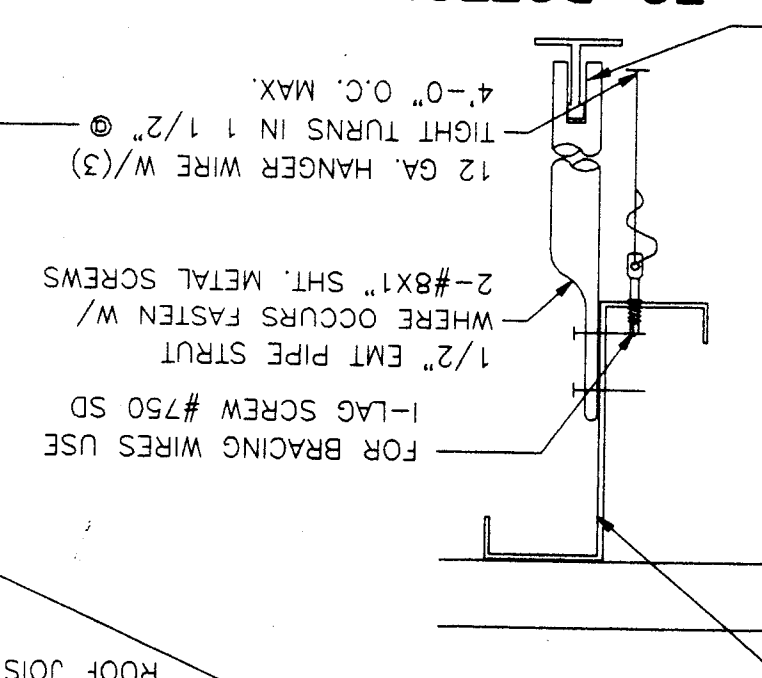
ALTERNATE WIRE CONNECTION



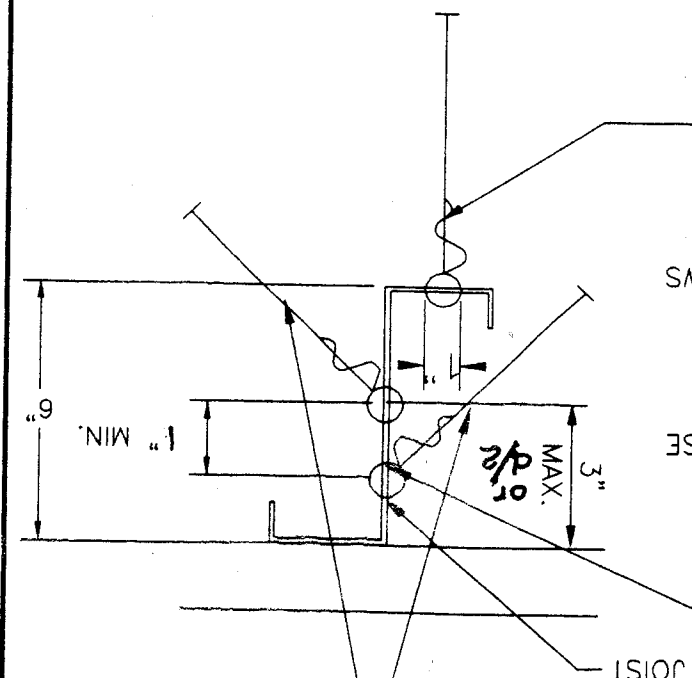
AT STEEL JOIST OR RAFTER



TO BOTTOM OF JOIST OR RAFTER



ALTERNATE WIRE CONNECTIONS



DETAIL

CONNECTIONS TO STEEL JOISTS OR PURLINS
NO SCALE
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