

CUSTOMER:  
BAKERSFIELD CITY SCHOOL DISTRICT  
WAYSIDE ELEMENTARY

CEILING GRID, DETAILS AND NOTES

DATE: 04/02/08  
SCALE: NONE  
DRAWN BY: R.S.  
CHECKED BY:  
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION

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03-111734  
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BASED ON PC 02104931

TABLE A HEAVY DUTY GRID COMPONENTS

MANUFACTURER'S CATALOG NUMBER	MIN. & CROSS TEE	MIN. & CROSS TEE

NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER

1. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. HANGER OR TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRES 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 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 O.A. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES AND AIR TERMINALS OR FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 66 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. BLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.

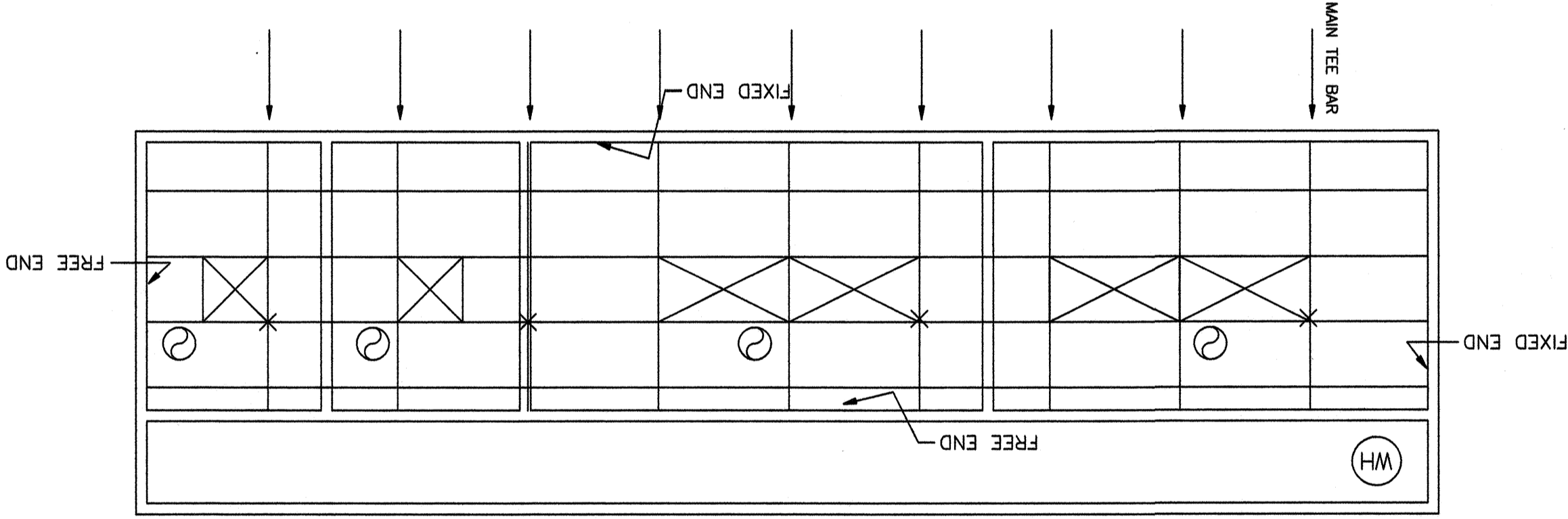
11. CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" PER ASTM C635 MANUFACTURER'S CATALOG NUMBER - MAIN RUNNER HEAVY DUTY MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER PER TABLE A.

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

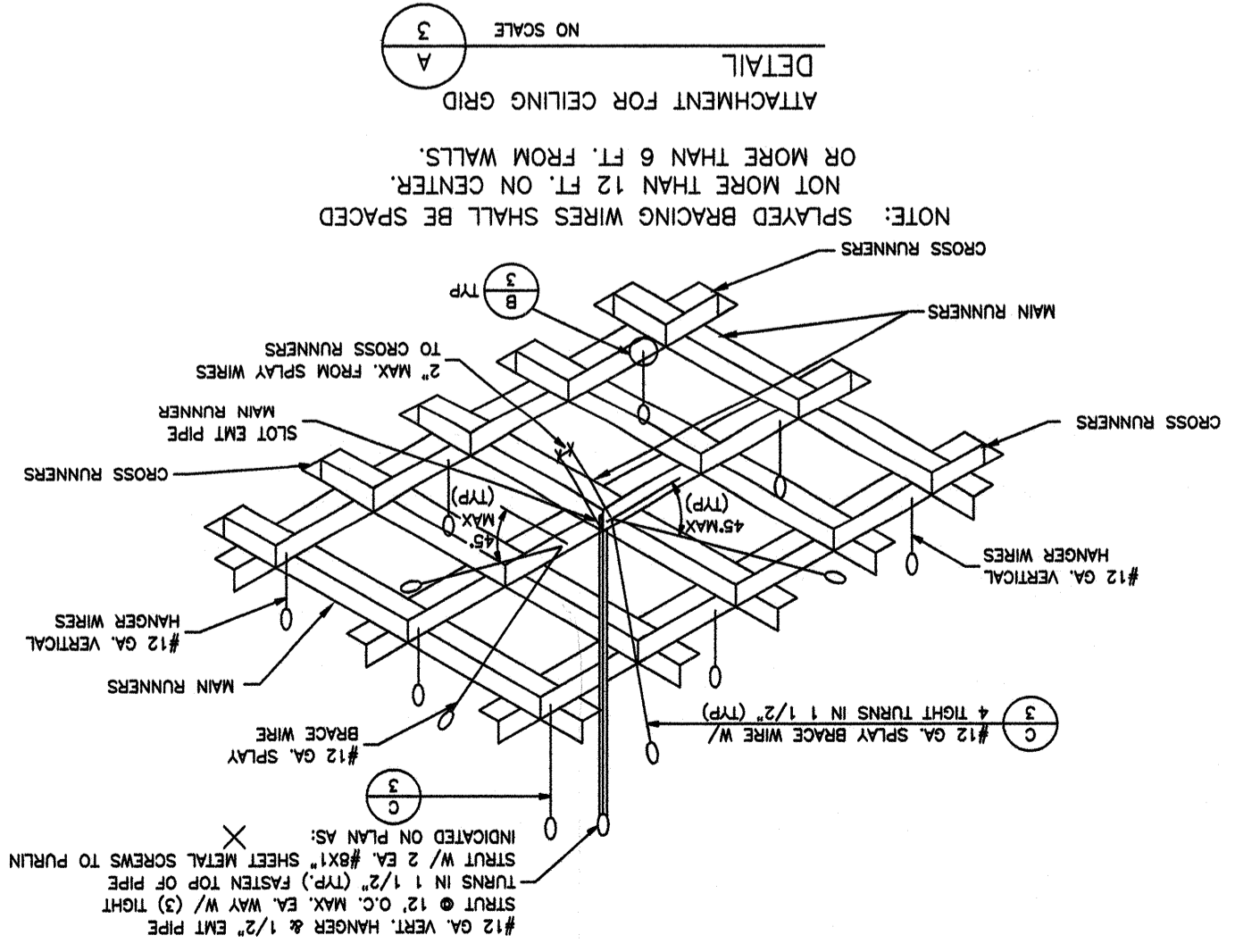
ACUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS FV-1 IN PANEL SQUARE EDGE ASTM FLAME SPREAD CLASS I, 24" X 48" MODULAR SIZE. LIGHT REFLECTION 75% MINIMUM. MAXIMUM SMOKE DENSITY COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

- METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING
- 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" X 4'-0" GRID SPACING, ALONG WITH FASTENING SPRAY WIRES WITH 4 TIGHT TURNS.
  2. 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 TRAPEZOIDAL OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT DISTANCES TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SORTS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED TO O.A.
  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 RUNNER IS 12" OR LESS. THIS INTERLOCK IS NOT REQUIRED.
  6. PROVIDE SETS OF 4-#12 GA. SPRAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE PERIMETER OF THE CEILING AREA. PROVIDE SETS OF 4-#12 GA. SPRAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE PERIMETER OF THE CEILING AREA. PROVIDE SETS OF 4-#12 GA. SPRAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE PERIMETER OF THE CEILING AREA. PROVIDE SETS OF 4-#12 GA. SPRAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE PERIMETER OF THE CEILING AREA.
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CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES ALT. 3

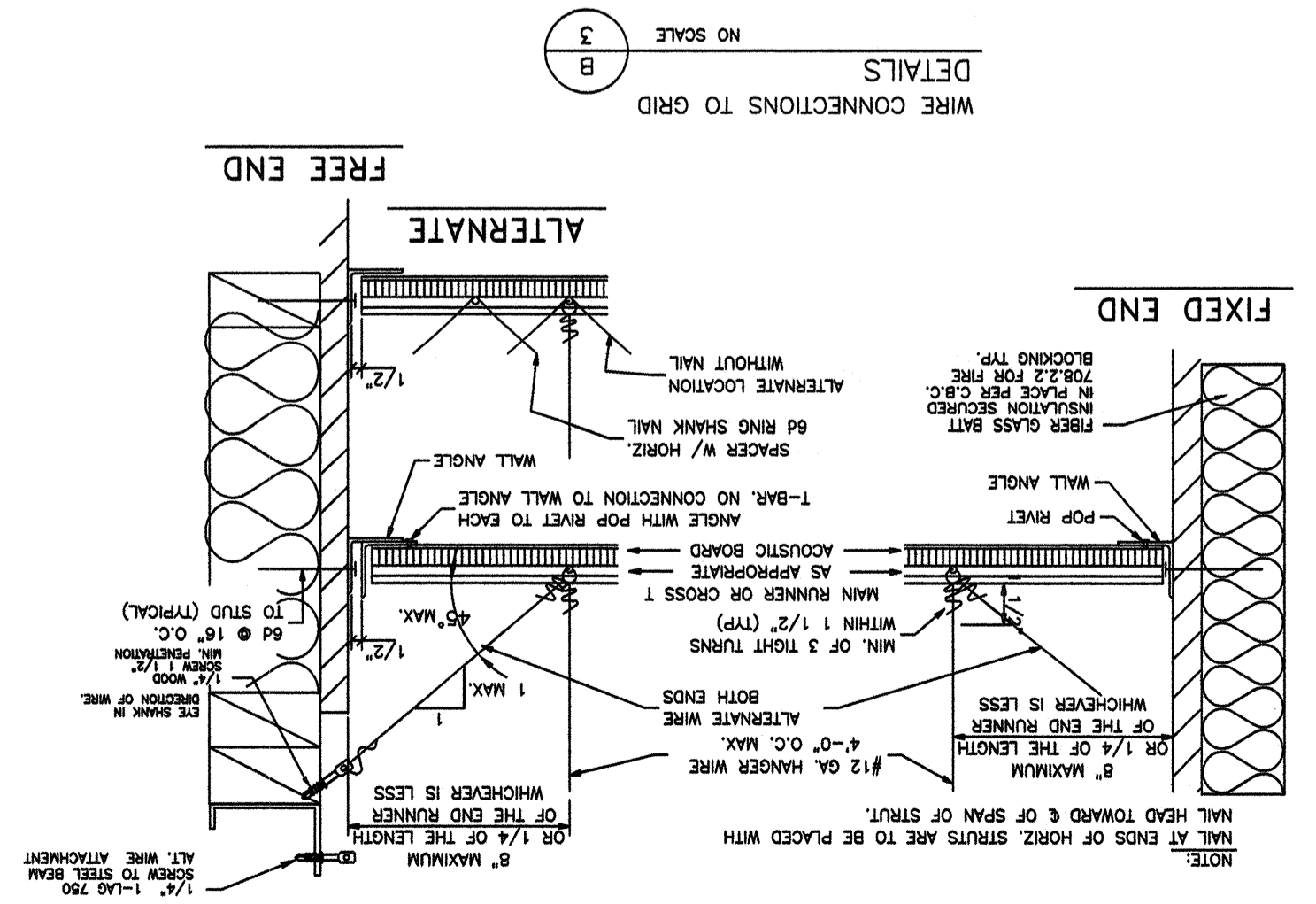


SCALE: 1/4" = 1'-0"



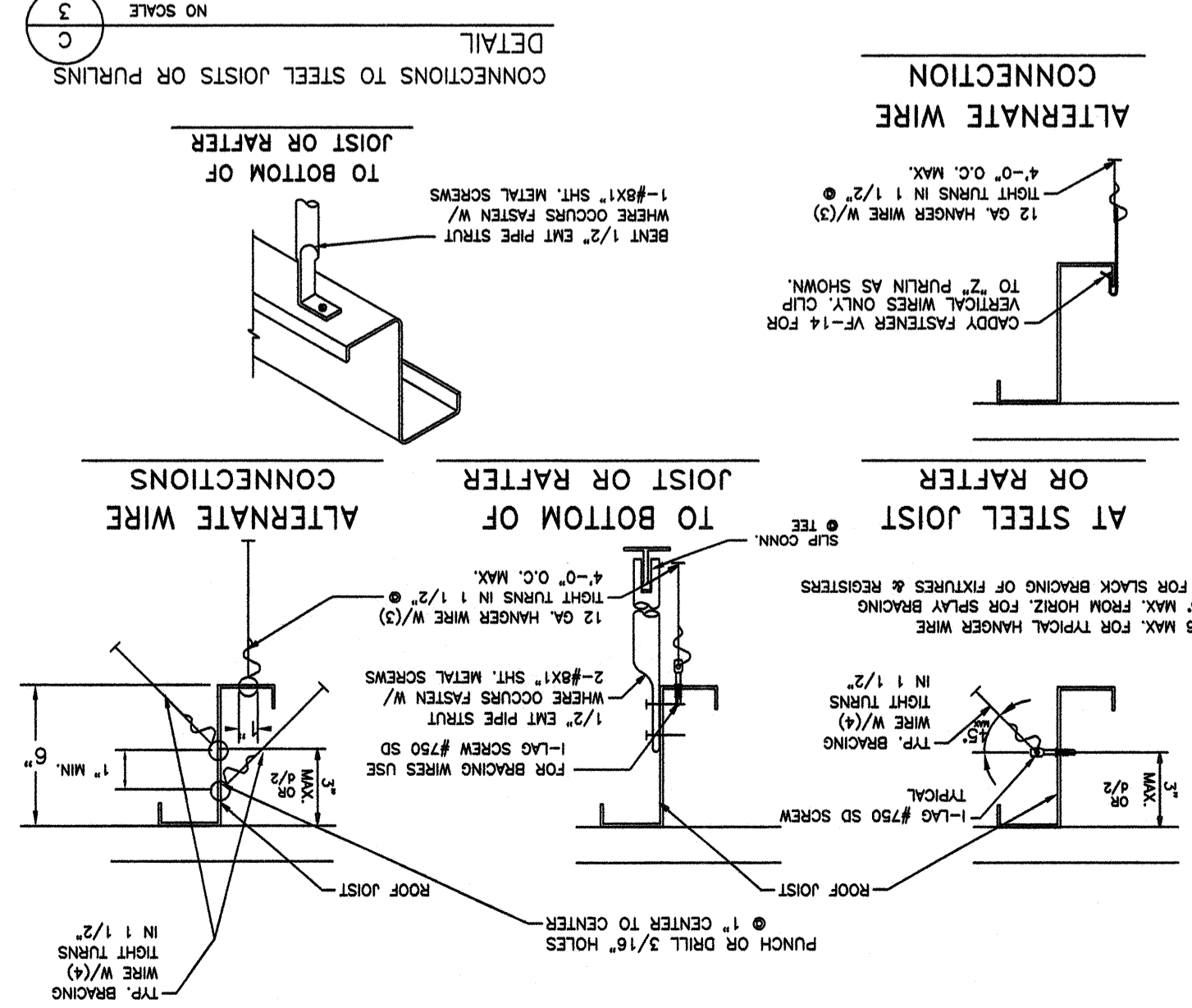
ATTACHMENT FOR CEILING GRID

NO SCALE



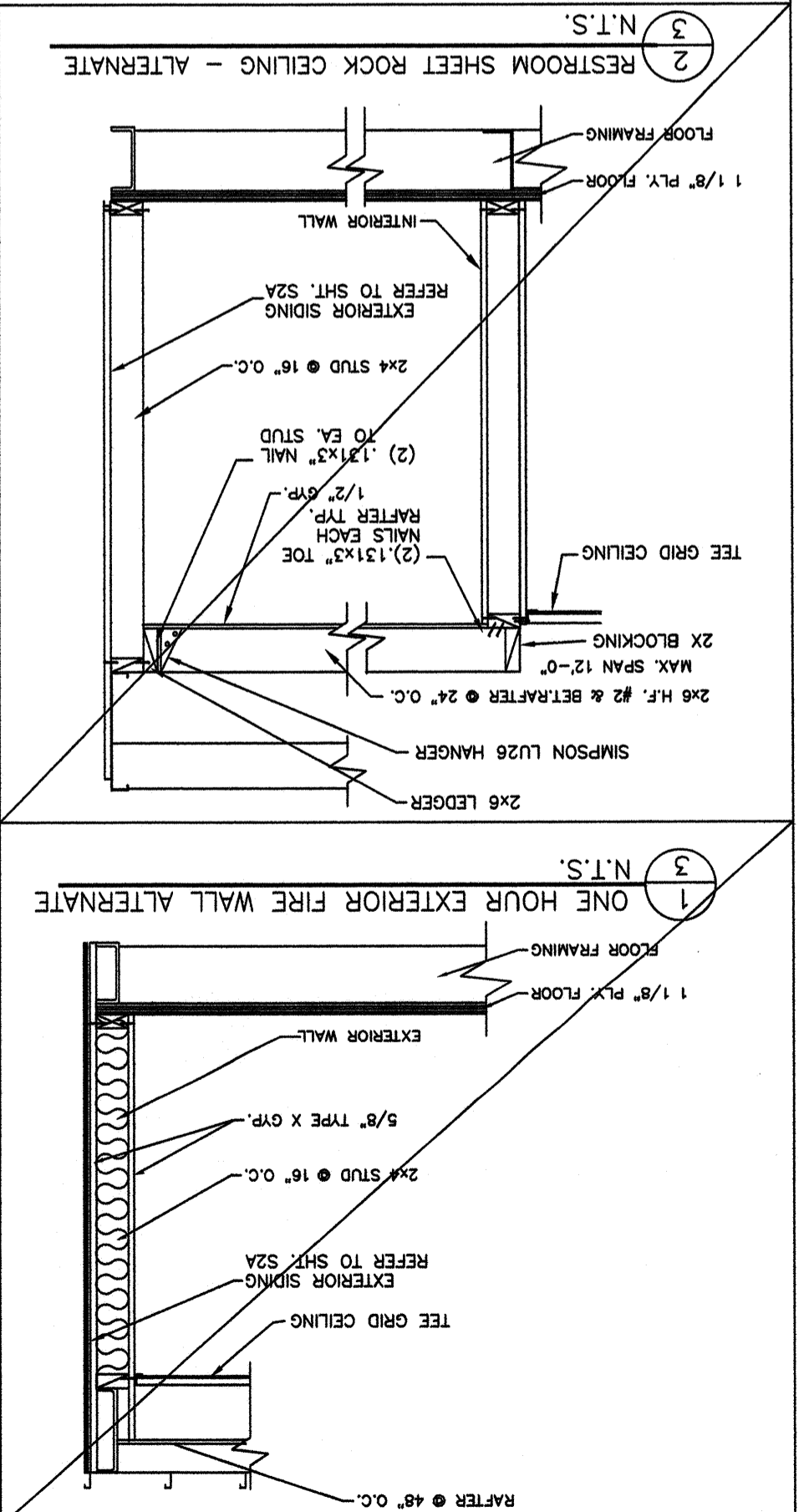
WIRE CONNECTIONS TO GRID

NO SCALE



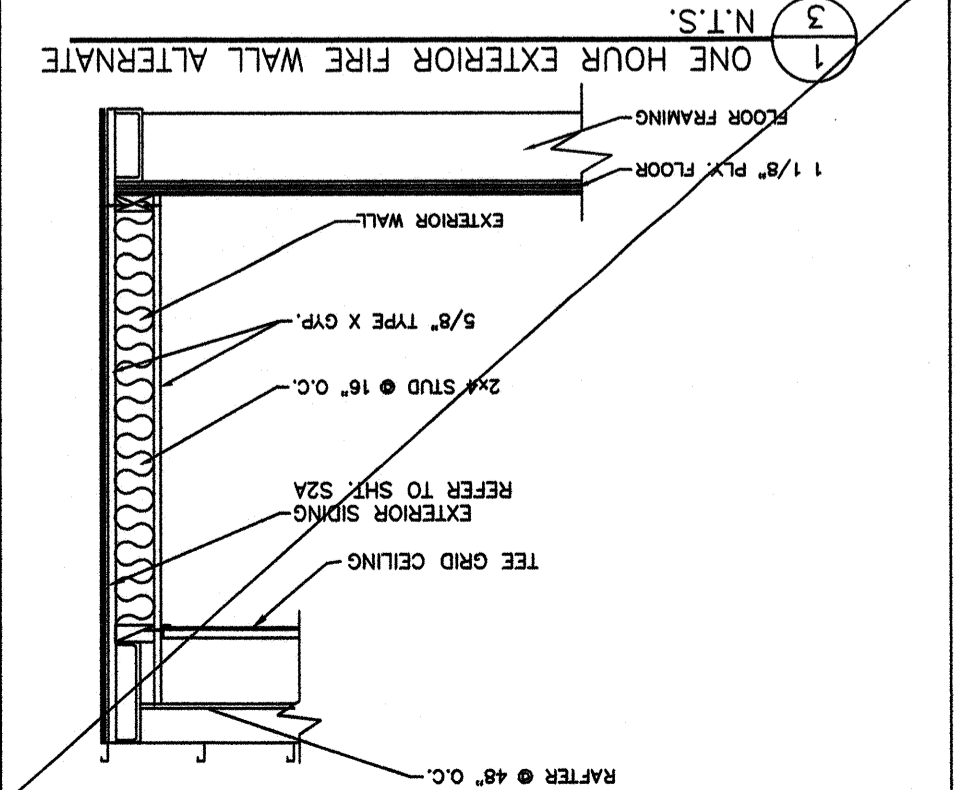
ALTERNATE WIRE CONNECTION

NO SCALE



2 RESTROOM SHEET ROCK CEILING - ALTERNATE

3 N.T.S.



1 HOUR EXTERIOR FIRE WALL ALTERNATE

3 N.T.S.