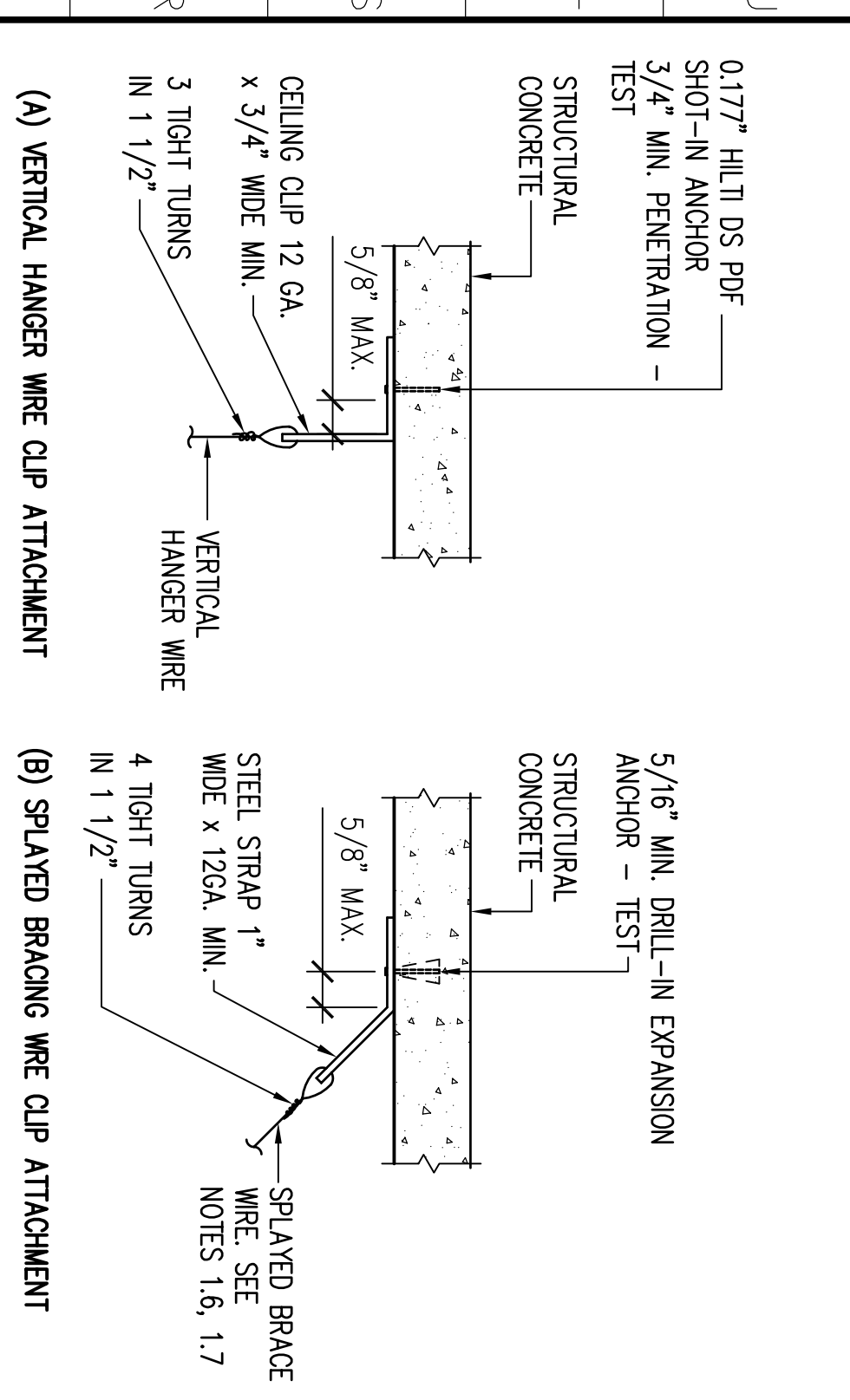
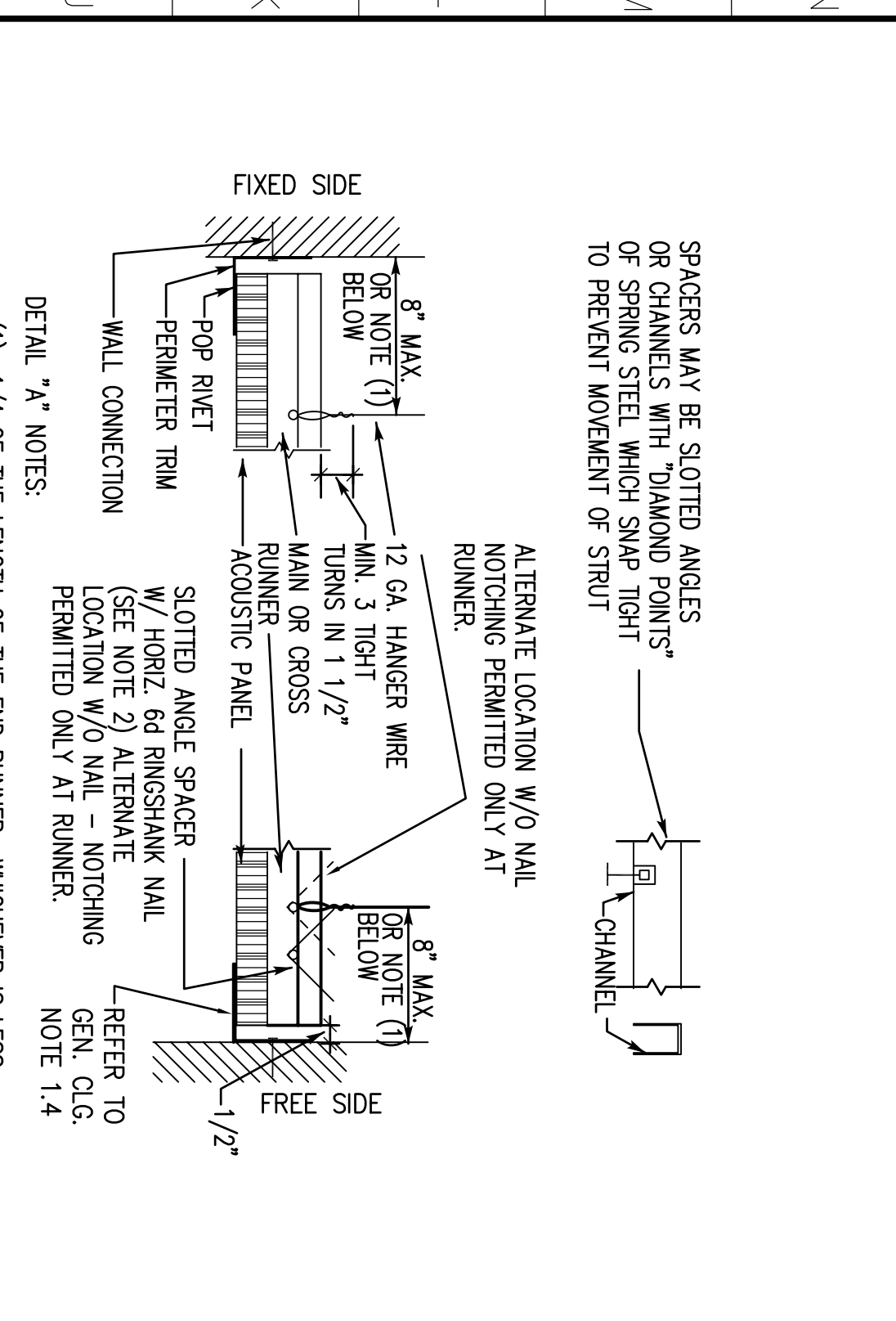


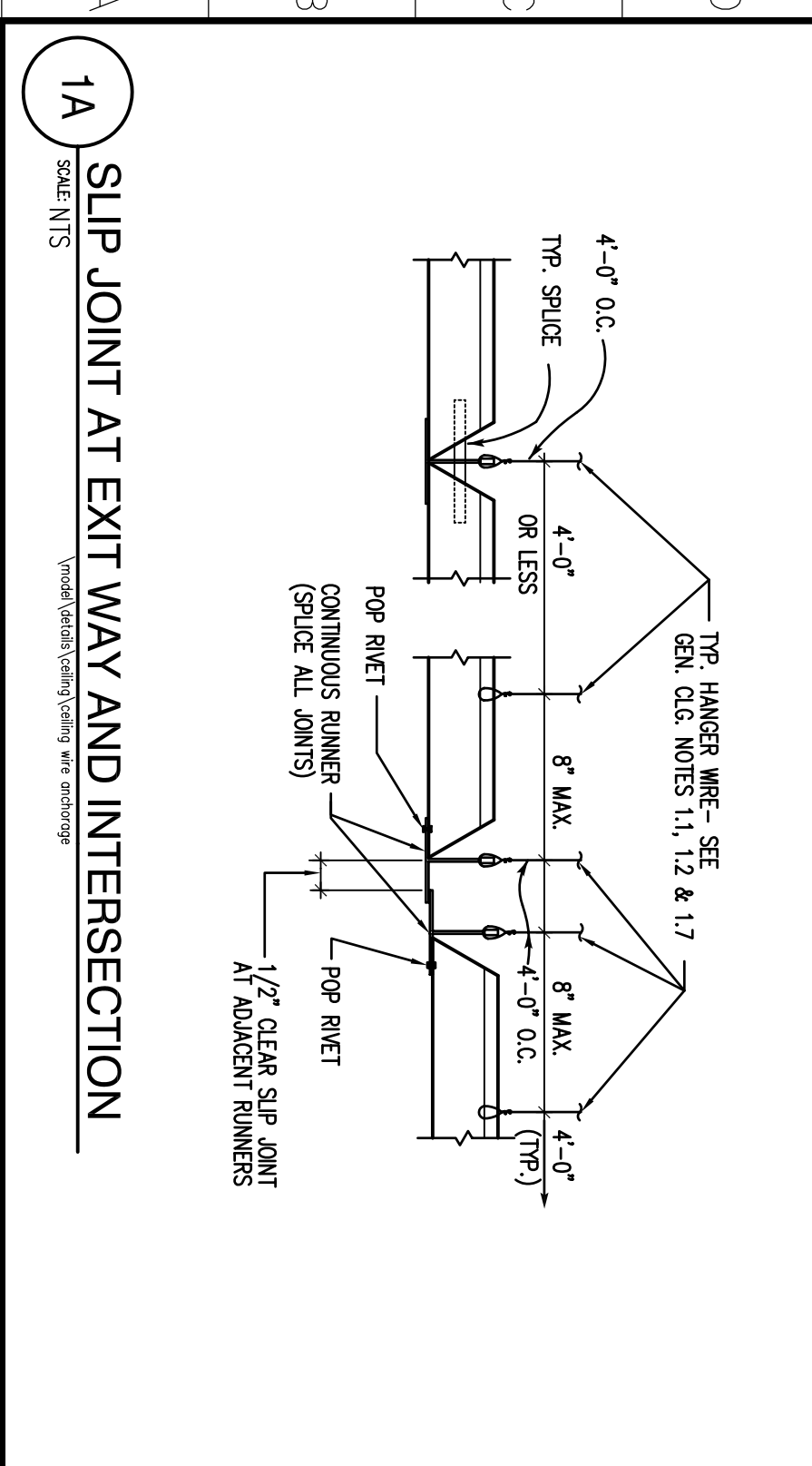
14V THRUST STRUT AT GYPSUM BOARD CEILING
SEE DETAIL 14V



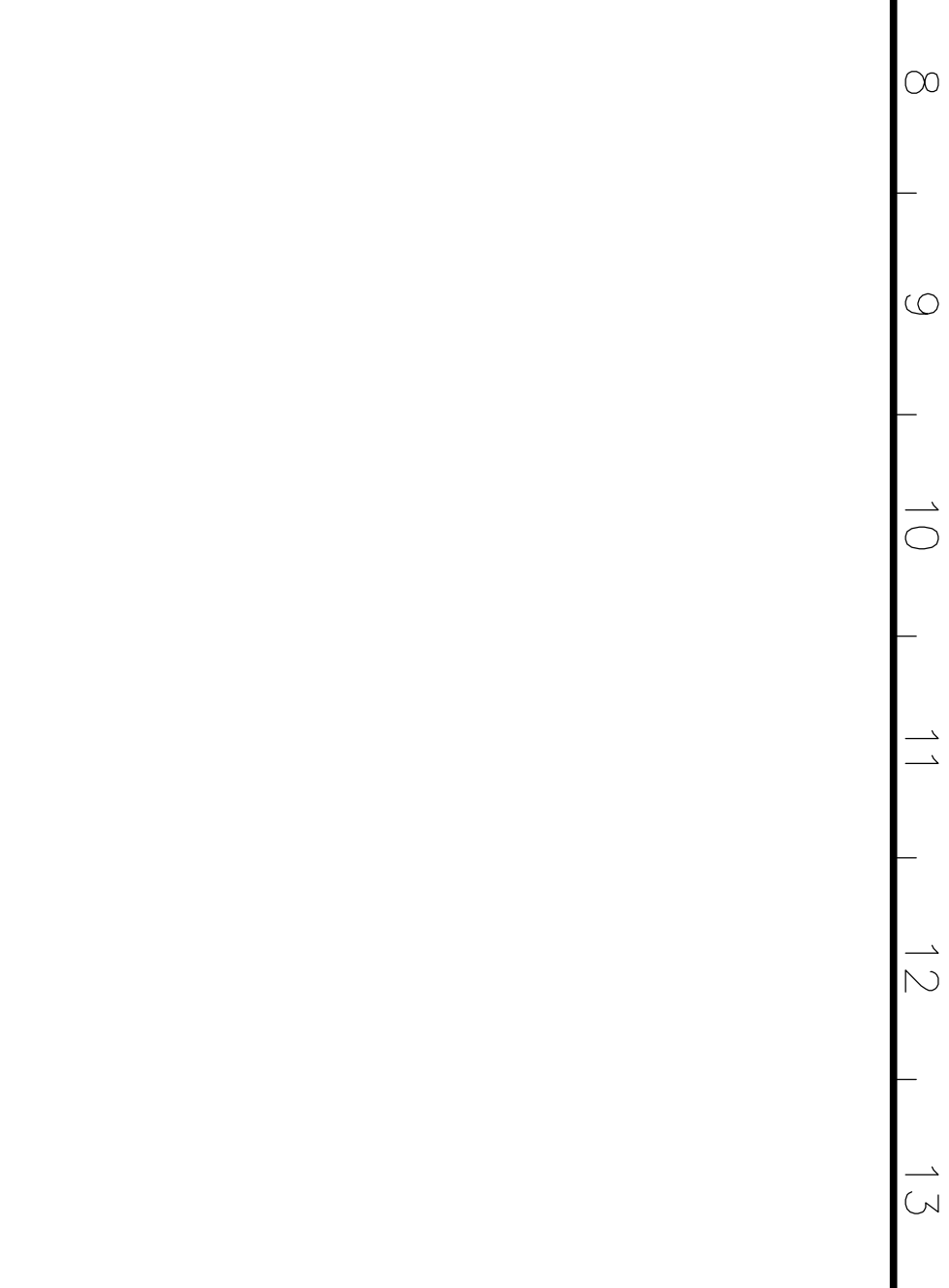
1P WIRE CONNECTION TO CAST-IN-PLACE CONCRETE
SEE DETAIL 1P



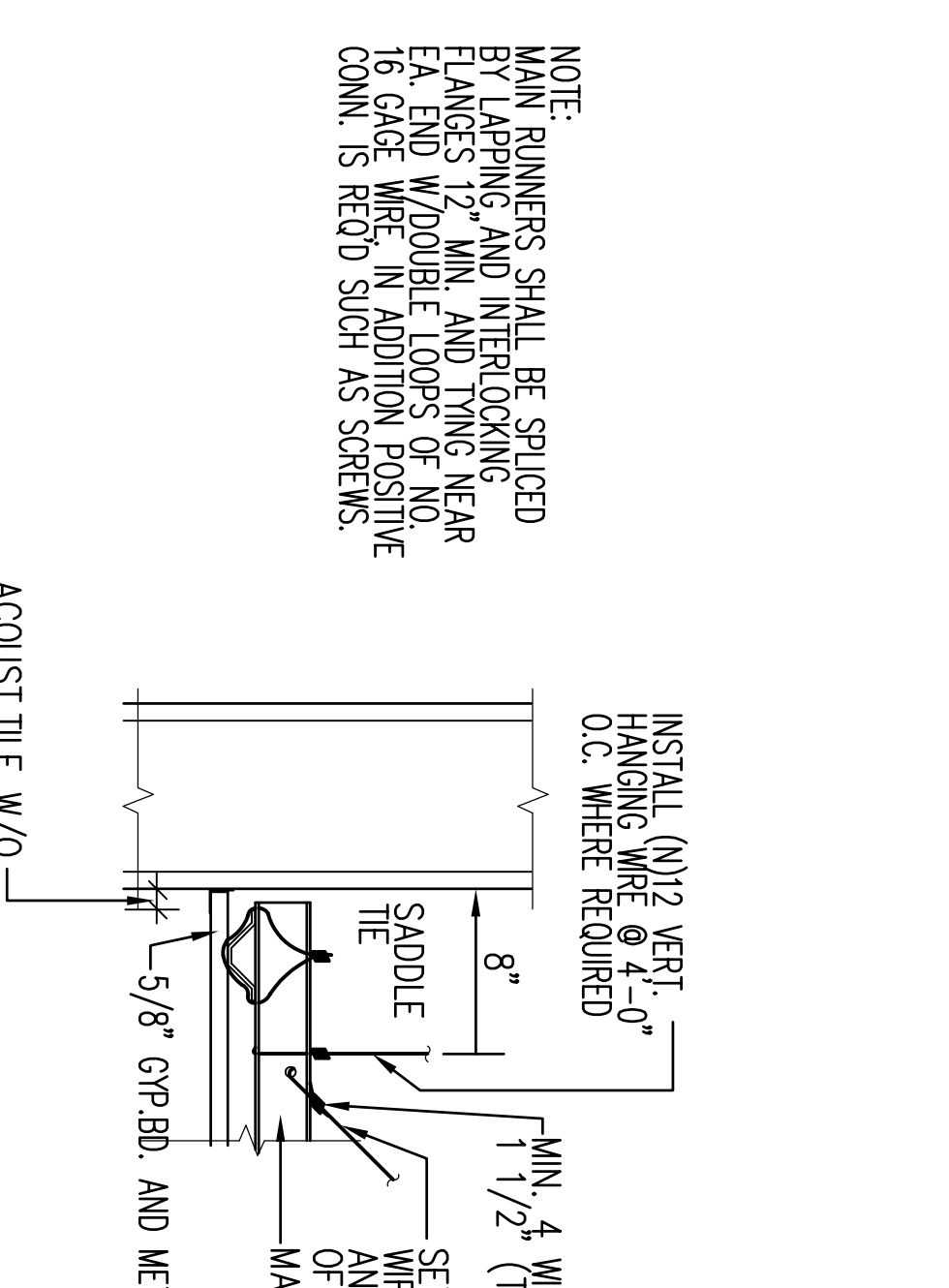
1E HANGER WIRE CONNECTIONS TO GRID
SEE DETAIL 1E



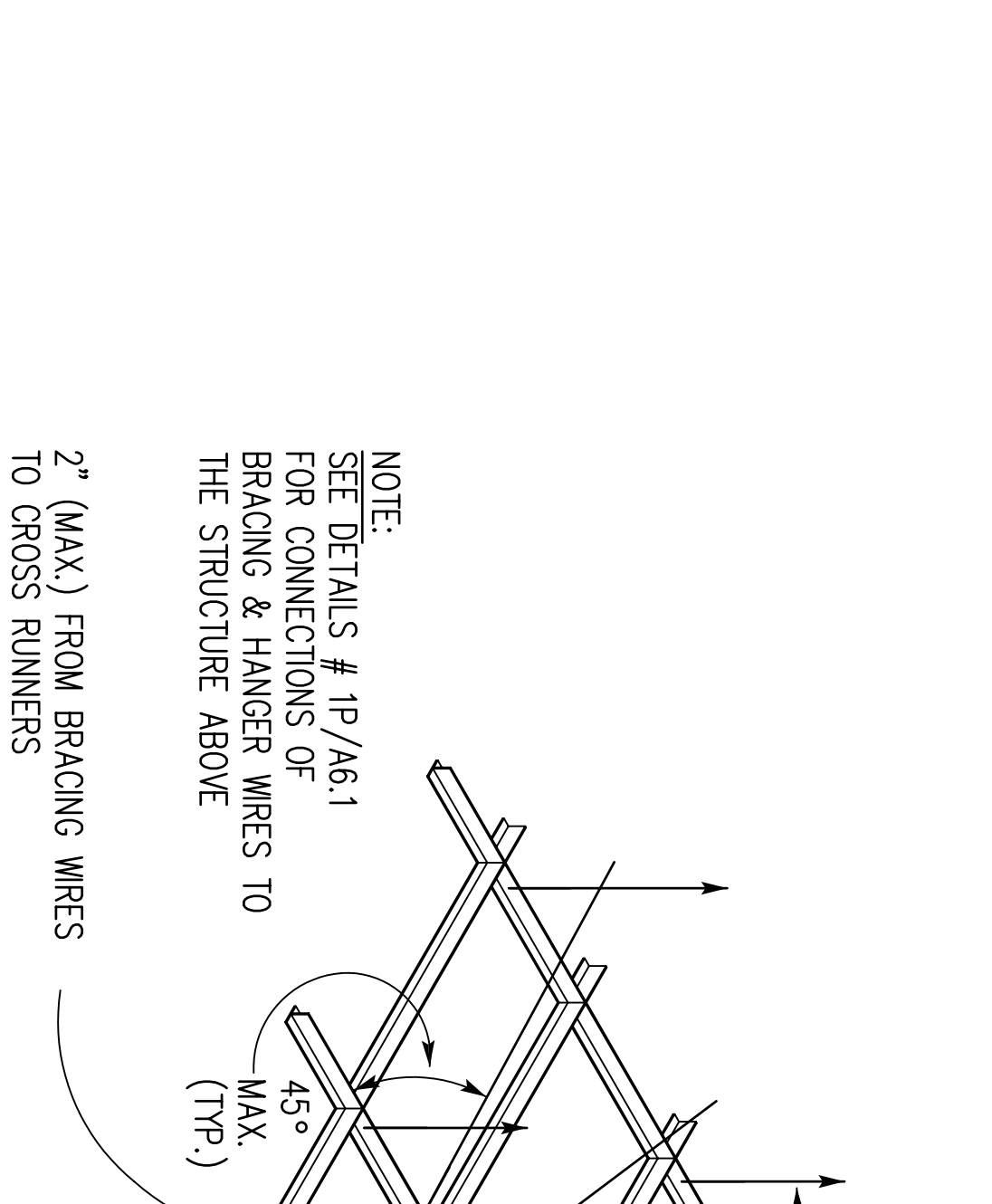
1A SLIP JOINT AT EXIT WAY AND INTERSECTION
SEE DETAIL 1A



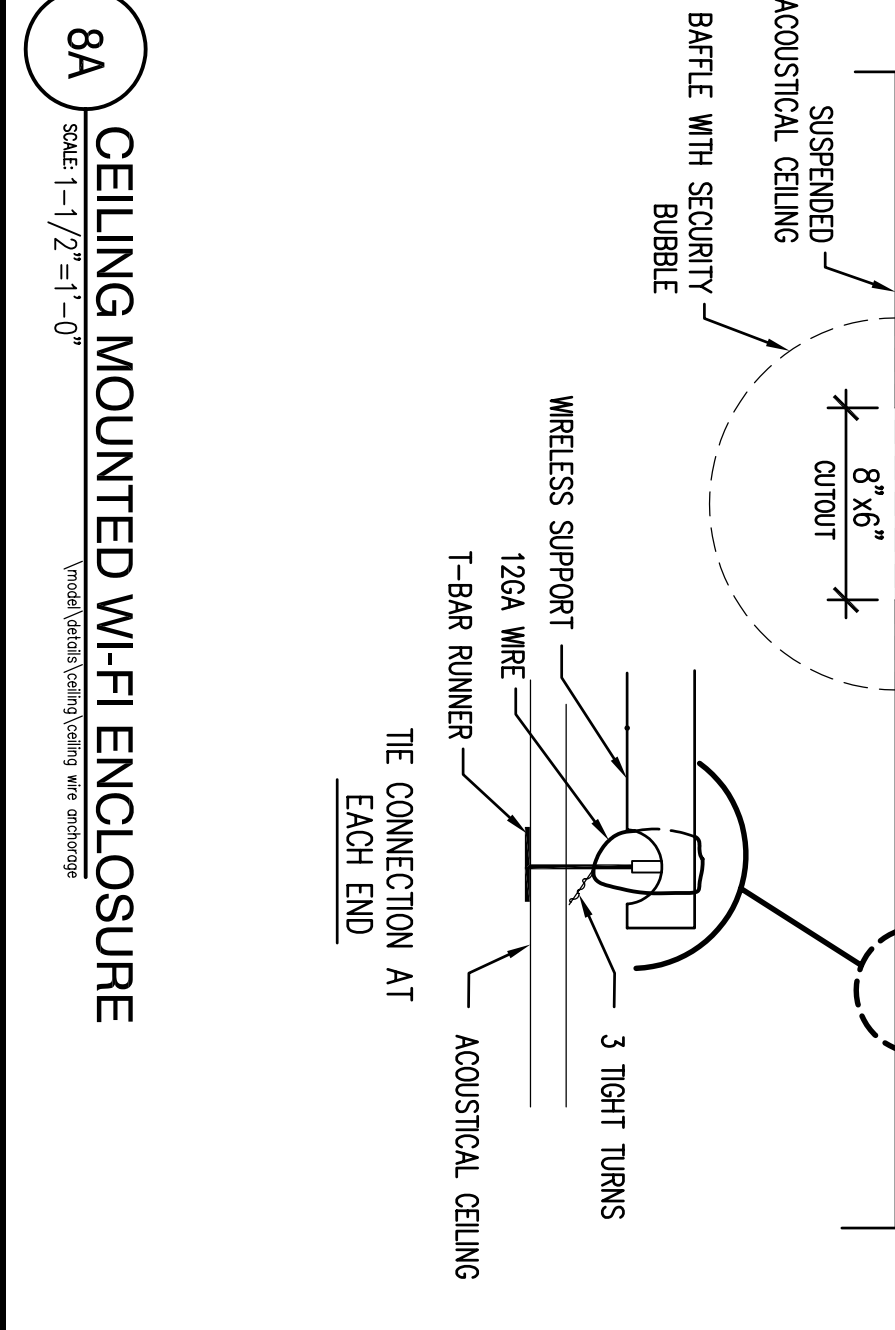
14W TYPICAL SUPPORT AT T-BAR GRID
SEE DETAIL 14W



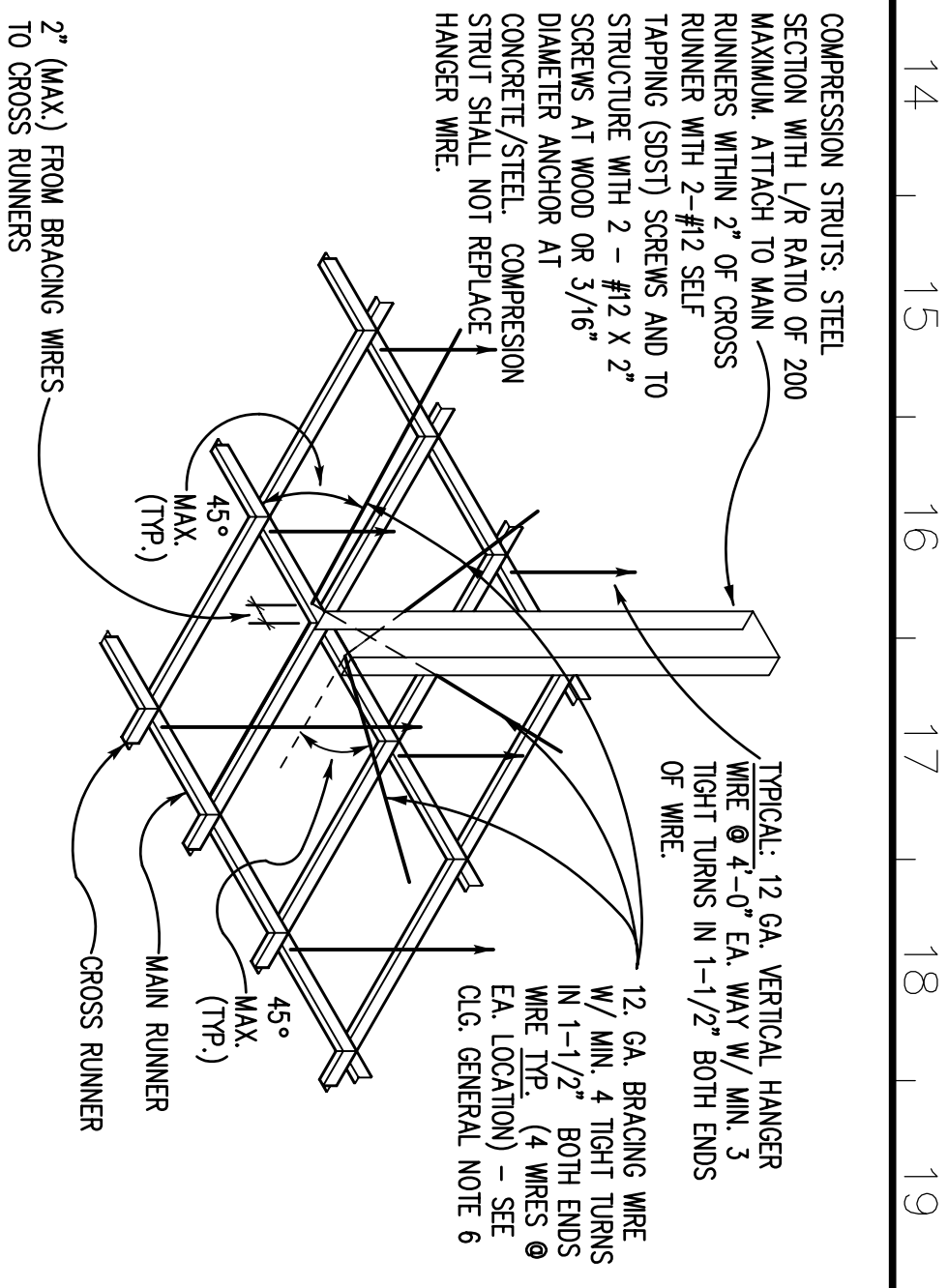
8P TYPICAL GYPSUM BOARD SUSPENDED CEILING
SEE DETAIL 8P



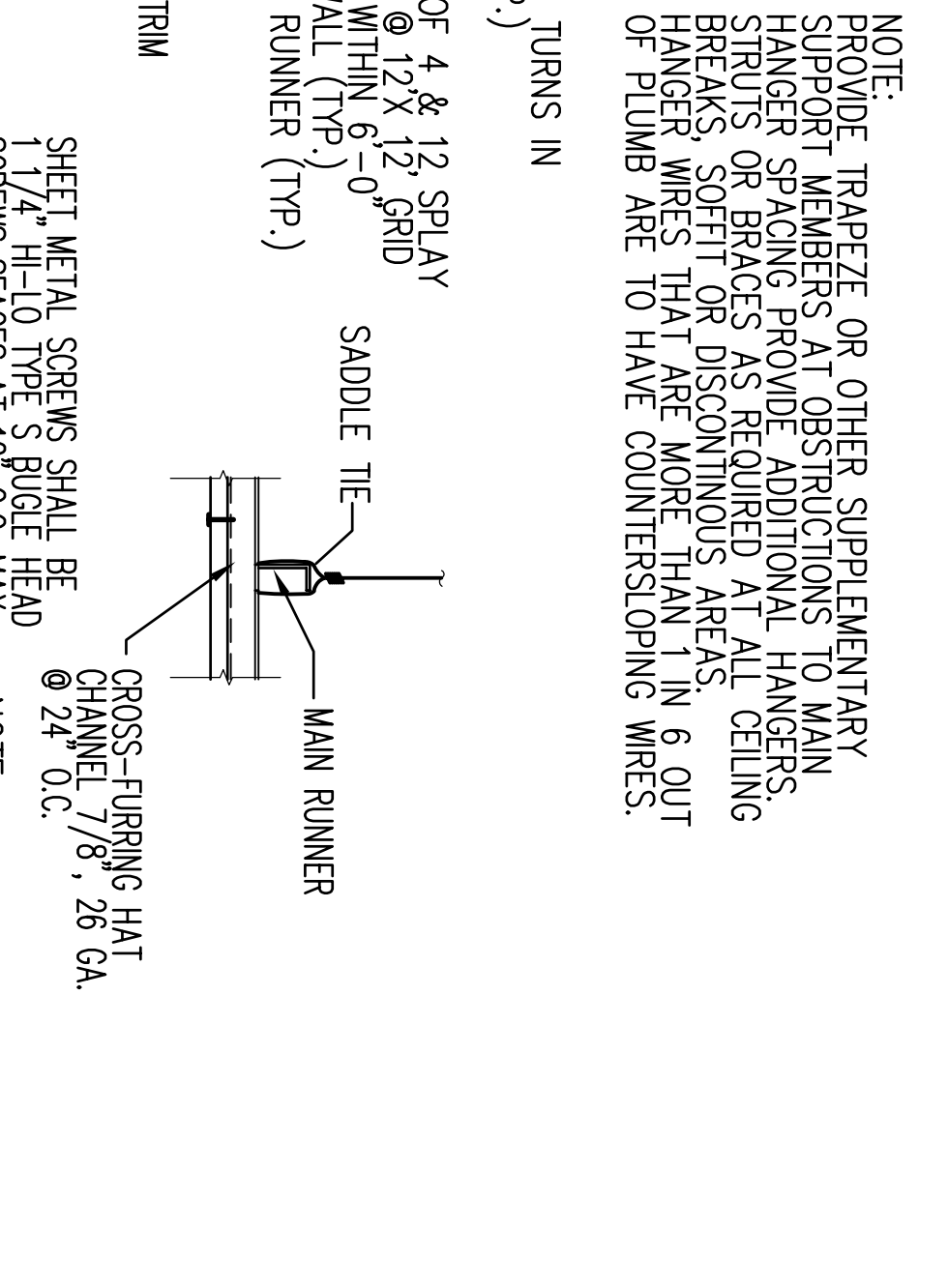
8H HANGER WIRE CONNECTIONS TO GRID
SEE DETAIL 8H



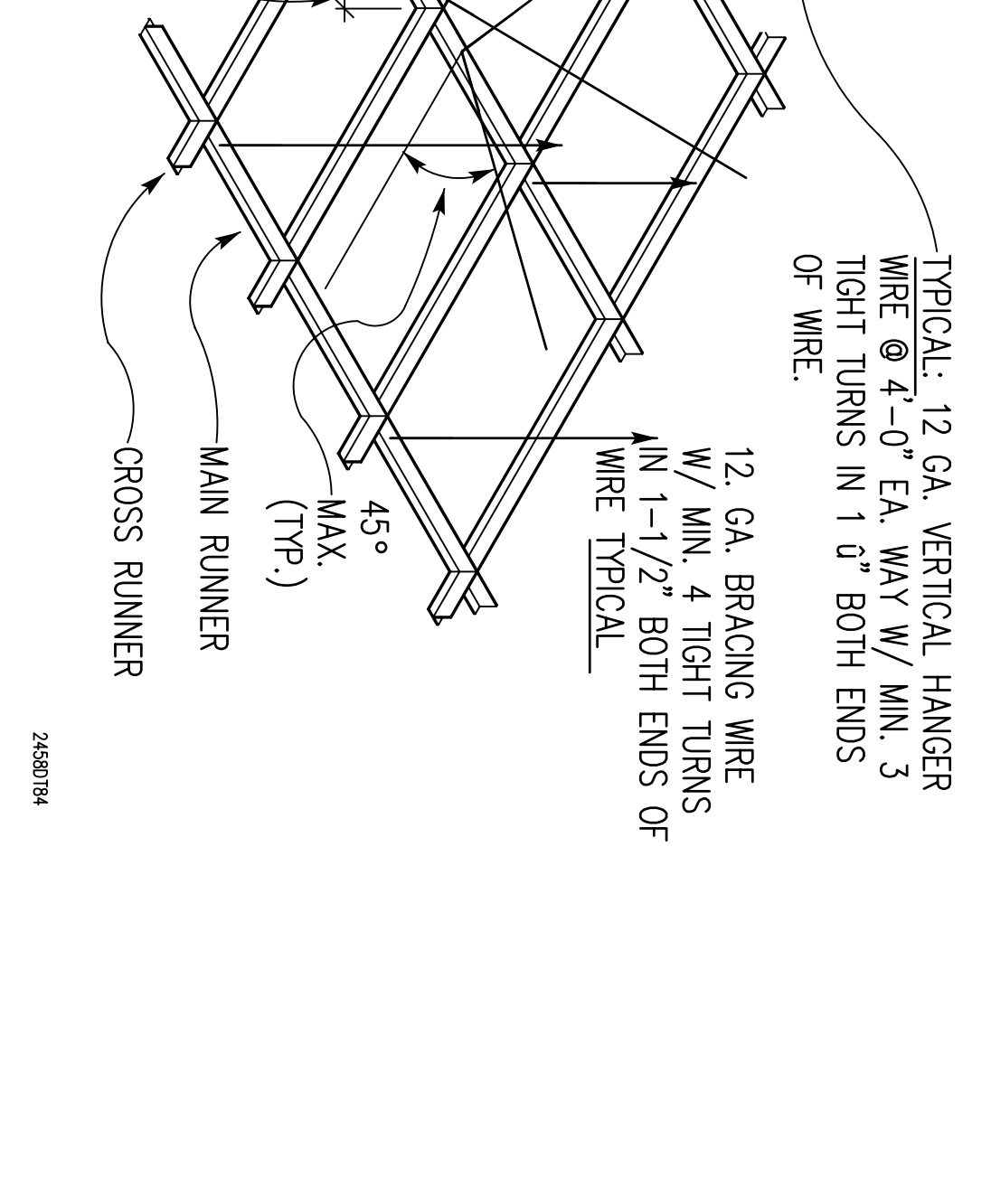
8A CEILING MOUNTED W-FI ENCLOSURE
SEE DETAIL 8A



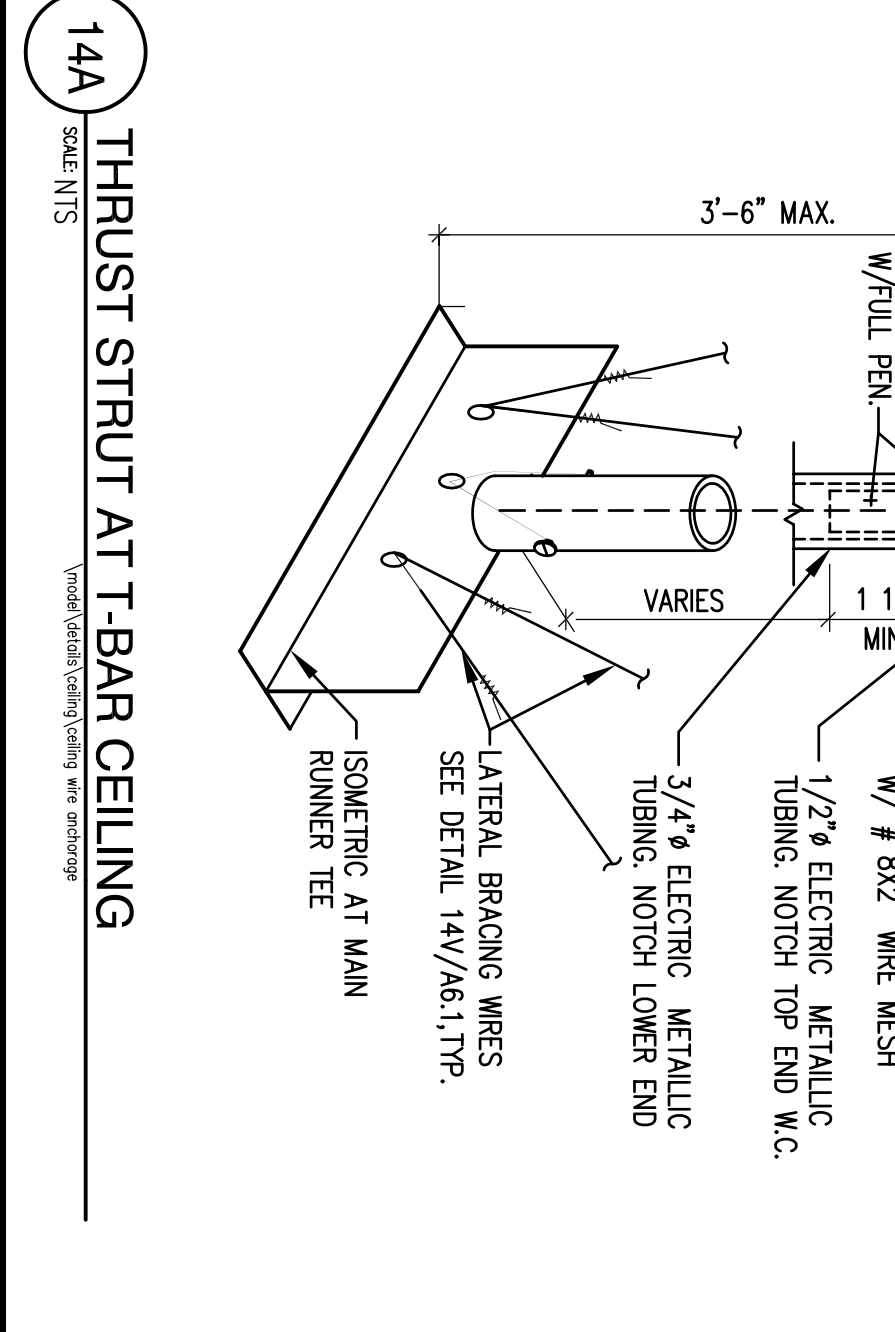
14X TYPICAL SUPPORT AT T-BAR GRID
SEE DETAIL 14X



14Y TYPICAL SUPPORT AT T-BAR GRID
SEE DETAIL 14Y



14Z TYPICAL SUPPORT AT T-BAR GRID
SEE DETAIL 14Z

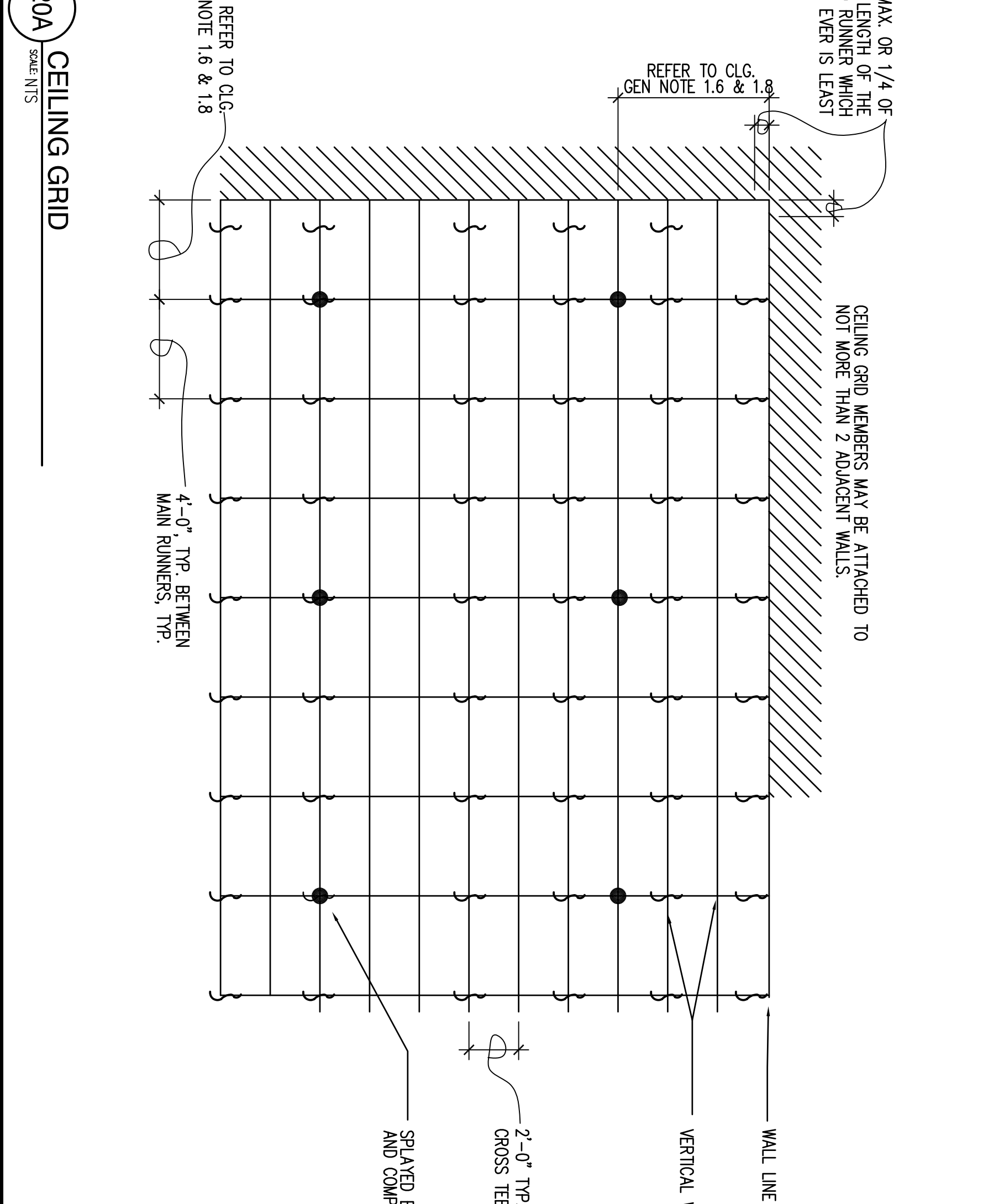


14A THRUST STRUT AT T-BAR CEILING
SEE DETAIL 14A

CEILING GENERAL NOTES FOR METAL SUSPENSION 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 AND SHALL BE ATTACHED TO MAIN RUNNERS.
- PROVIDE 12 GA. HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN 8" FROM THE SUPPORT OR WITHIN 1/4 OF THE LENGTH OF THE END RUNNER, WHICHEVER IS LEAST, FOR THE PERIMETER OF THE CEILING AREA. END CONNECTIONS FOR RUNNERS WHICH ARE DESIGNED AND DETAILED TO RESIST THE APPLIED VERTICAL AND HORIZONTAL FORCES MAY BE USED IN LIEU OF THE 12 GA. HANGER WIRES, SUBJECT TO DIVISION OF THE STATE ARCHITECT (DSA) REVIEW AND APPROVAL.
- PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, BREAKS, SOFFIT OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 6 IN. OUT OF PLUMB REQUIRE COUNTER-SLOPING WIRES.
- 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 1/2 INCH CLEAR OF WALL SHOULD BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.
- AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS BECOME INTERFERED BY OTHER STRUCTURAL MEMBERS, PROVIDE AN INTERSECTION BETWEEN THE RUNNER AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA. WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNER MAY BE USED, WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS 12" OR LESS. THIS INTERLOCK IS NOT REQUIRED.
- PROVIDE BRACING ASSEMBLIES CONSISTING OF A COMPRESSION STRUT AND FOUR (4) 12 GA. SPAYLED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER IN THE SPACING.
 - FOR SCHOOL BUILDINGS, PLACE BRACING ASSEMBLIES NOT MORE THAN 12 BY 12 ON CENTER.
 - FOR ESSENTIAL SERVICES BUILDING, PLACE BRACING ASSEMBLIES NOT MORE THAN 8 BY 12 ON CENTER.
 - PROVIDE BRACING ASSEMBLIES AT LOCATIONS NOT MORE THAN ONE HALF THE SPACING GIVEN ABOVE FROM EACH PERIMETER WALL AND AT THE EDGE OF VERTICAL CEILING OFFSETS. THE SLOPE OF THESE WIRES SHALL NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHALL BE TAUT. SPLICES IN BRACING WIRES ARE NOT TO BE PERMITTED WITHOUT SPECIAL DSA APPROVAL.
 - SUSPENDED ACoustICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQUARE FEET OR LESS AND PRE RATED SUSPENDED ACoustICAL CEILING SYSTEMS WITH A CEILING AREA OF 96 SQUARE FEET OR LESS, COUNTERSLOPE DO NOT REQUIRE BRACING ASSEMBLIES WHEN ATTACHED TO TWO (2) ADJACENT WALLS.
 - FASTEN HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS. FASTEN BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL 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.
 - WIRE TURNS MADE BY MACHINE WHERE BOTH STRANDS HAVE BEEN DEFORMED OR BENT IN WRAPPING CAN MAKE THE 1 1/2 INCHES REQUIREMENT, BUT THE NUMBER OF TURNS SHOULD BE MAINTAINED AND BE AS TIGHT AS POSSIBLE.
 - SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC. IT IS ACCEPTABLE TO ATTACH LIGHTWEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO DSA.
- WIRE TURNS MADE BY MACHINE WHERE BOTH STRANDS HAVE BEEN DEFORMED OR BENT IN WRAPPING CAN MAKE THE 1 1/2 INCHES REQUIREMENT, BUT THE NUMBER OF TURNS SHOULD BE MAINTAINED AND BE AS TIGHT AS POSSIBLE.
- SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC. IT IS ACCEPTABLE TO ATTACH LIGHTWEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO DSA.
- PROVIDE PENDANT MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE FIXTURE. A BRACING ASSEMBLY (SEE DETAIL) IS REQUIRED WHERE THE PENDANT HANGER PENETRATES THE CEILING. SPECIAL DETAILS ARE REQUIRED TO ATTACH THE PENDANT HANGER TO THE BRACING ASSEMBLY TO TRANSMIT HORIZONTAL FORCES.
- CLASSIFICATION OF CEILING GRID:
 - CLASSIFICATION OF CEILING GRID IS HEAVY DUTY.
 - MANUFACTURER'S CATALOG NUMBER: MAIN RUNNER: DOWN DUL 26
 - MANUFACTURER'S CATALOG NUMBER: CROSS RUNNER: DOWN DUL 116
 - MANUFACTURER'S CATALOG NUMBER OR DETAIL FOR RUNNER SPLICE
- ADDITIONAL REQUIREMENTS FOR FIRE RATED CEILINGS:
 - PROVIDE UNDERWRITER LABORATORY (UL) DESIGN NUMBER OR STATE FIRE MARSHAL (SFM) LISTING NUMBER. THE COMPONENTS AND INSTALLATION DETAILS MUST CONFORM IN EVERY RESPECT WITH THE UL OR SFM APPROVAL FOR THE DESIGN NUMBER SPECIFIED. CUSTOM DESIGNS WHICH COMBINE COMPONENTS FROM DIFFERENT APPROVAL DESIGNS BUT HAVE NOT BEEN TESTED AS A COMPLETE ASSEMBLY ARE NOT ACCEPTABLE.
 - FOR SCHOOLS AND ESSENTIAL SERVICES BUILDINGS, BRACING ASSEMBLIES ARE REQUIRED FOR EACH 96 SQUARE FEET. THE FIRST BRACING ASSEMBLY IS REQUIRED NOT MORE THAN FOUR FEET FROM EACH WALL. A MINIMUM OF ONE BRACING ASSEMBLY IS REQUIRED BETWEEN ANY TWO ADJACENT EXPANSION JOINTS ON RUNNERS BEING BRACED.
 - PORT RIVETS, SCREWS OR OTHER ATTACHMENTS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY ULL.

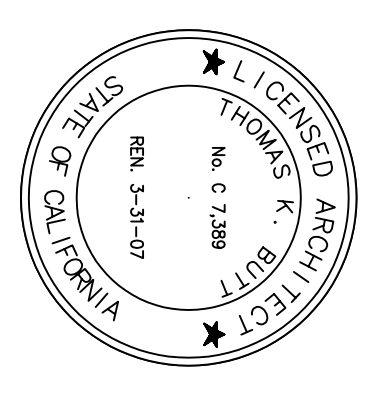
200 METAL SUSPENDED LAY-IN PANEL GENERAL NOTES
SEE DETAIL 200



20A CEILING GRID
SEE DETAIL 20A

REVISION	DESCRIPTION	INITIAL	DATE

PRE-APPLICATION REVIEW	02/26/04
ISSUED FOR PERMIT	03/02/04
ISSUED FOR BID	
ISSUED FOR CONSTRUCTION	
SCALE	



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SAN MATEO CO. COMMUNITY COLLEGE DISTRICT

APPROVED
DATE: APR 15 2004
APPROVED
DATE: APR 15 2004

CEILING DETAILS
MOD
AG.1