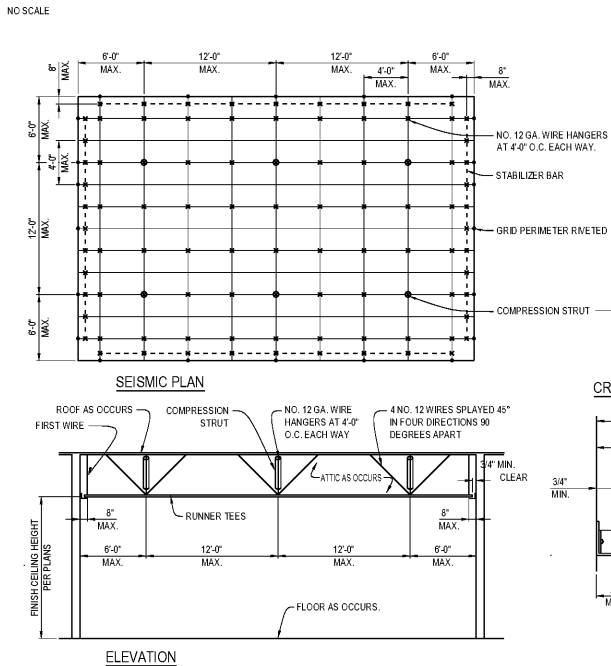


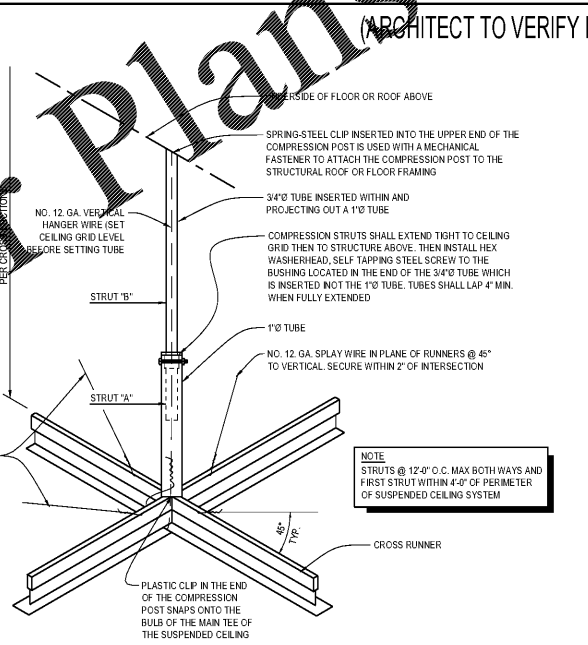
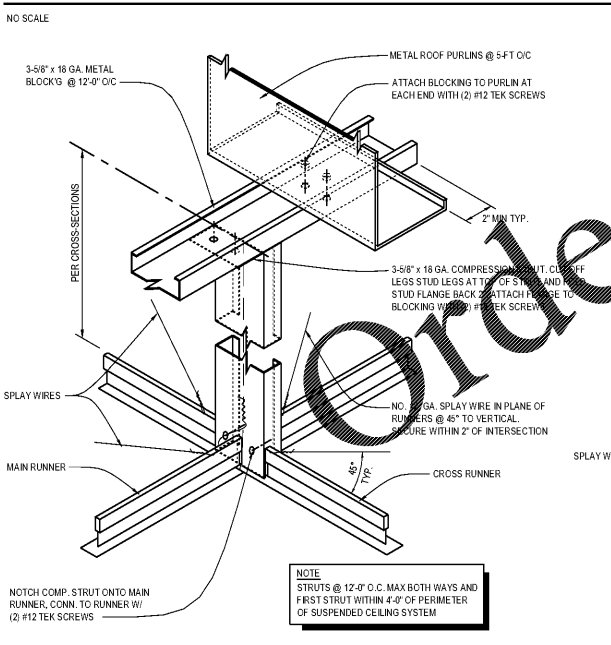
- HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED 30 INCHES AND 44 INCHES ABOVE THE FLOOR. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL, SHALL BE OPERATED WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, BY PANIC BARS, PUSH/PULL ACTIVATING BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE SIMILARLY, EXCEPT THAT WHEN BOLT AND UNLATCHING OPERATION IS KEY OPERATED FROM CORRIDOR OR EXTERIOR SIDE OF UNIT DOOR, LARGE BOW KEYS (2 INCH) FULL BOW OR 1 1/4 INCH (HALF BOW) SHALL BE PROVIDED IN LIEU OF LEVER TYPE HARDWARE ON THE CORRIDOR SIDE. SEPARATE DEAD LOCK ACTIVATION ON ROOM SIDE OF CORRIDOR DOORS IN HOTELS OR MOTELS SHALL HAVE LEVER HANDLE OR LARGE THUMB TURN IN AN EASILY REACHED LOCATION.
- EVERY REQUIRED EXIT DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3 FEET IN WIDTH AND NOT LESS THAN 6 FEET, 8 INCHES IN HEIGHT. WHEN INSTALLED IN EXIT DOORWAYS, EXIT DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE EXIT WAY IS NOT LESS THAN 32 INCHES.
- FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. AT LEAST ONE OF A PAIR OF DOORS SHALL MEET THIS OPENING WIDTH REQUIREMENT. REVOLVING DOORS SHALL NOT BE USED AS A REQUIRED ENTRANCE FOR THE PHYSICALLY HANDICAPPED.
- MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR AND INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLE TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN THE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED NOT TO EXCEED 15 POUNDS.
- THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10 INCH HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR.
- THRESHOLDS SHALL NOT EXCEED 1/2 INCH IN HEIGHT, WITH 1/4 INCH MAXIMUM VERTICAL CHANGE AT EDGE. MAXIMUM BEVEL ALLOWED IS 45 DEGREES.

**A.D.A. DOOR CLEARANCE REQUIREMENTS**



**GENERAL NOTES**

- SUSPENDED ACOUSTICAL CEILING SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF ASTM 635, ASTM 636, ASCE 7-09
- SECURE WIRES TO STRUCTURE ABOVE WITH #10 (100) THREADED SCREW OR EQUIVALENT SIZE AND EYE AT 90 DEGREES
- THE SUSPENDED CEILING SYSTEM SHALL BE LIMITED TO 12 FEET BELOW THE STRUCTURAL DECK UNLESS THE LATERAL BRACING IS DESIGNED BY A LICENSED ENGINEER OR ARCHITECT.
- POSITIVE BRACING TO THE STRUCTURE SHALL BE PROVIDED AT CHANGES IN THE CEILING PLANE ELEVATION OR AT DISCONTINUITIES IN THE CEILING GRID SYSTEM.
- CABLE TRAYS, ELECTRICAL CONDUITS AND PIPING SHALL BE INDEPENDENTLY SUPPORTED AND INDEPENDENTLY BRACED FROM THE STRUCTURE.
- SPRINKLER HEADS (DROPS) EXCEPT FIRE RESISTANT RATED FLOOR/CEILING JOINTS AND ASSEMBLIES, SHALL BE DESIGNED TO ALLOW FOR MOVEMENT OF THE SPRINKLER HEADS WITH OVERSIZE RINGS, SLEEVES OR APPROVED THROUGH THE CEILING TILE, IN ACCORDANCE WITH SECTION 15.5.2.2 OF ASCE 7. SPRINKLER FIRE RESISTANT RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLIES SHALL COMPLY WITH GOVERNING CODES.
- PERIMETER MEMBERS AT MAIN WALL ANGLES SHALL HAVE AT LEAST A TWO INCH HORIZONTAL LEG SHALL BE USED AT PERIMETER WALLS AND CORNERS FOR PARTITIONS. THE FIRST CEILING TILE SHALL MAINTAIN 3/4" CLEARANCE FROM THE FINISH SURFACE. AN EQUIVALENT ALTERNATIVE DETAIL THAT WILL PREVENT SURFACE MOVEMENT DUE TO LATERAL BUILDING DISPLACEMENT MAY BE USED. PROVIDE THE LONG LEG ANGLE SUBJECT TO THE APPROVAL OF THE SUPERINTENDENT OF BUILDING.
- SUSPENDED CEILING ASSEMBLIES LOCATED ALONG MEANS OF EGRESS SERVING AN OCCUPANT LOAD OF 30 OR MORE SHALL HAVE THE FOLLOWING PROVISIONS:
  - ALL LIGHTING FIXTURES SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM. THE ATTACHMENT DEVICE SHALL HAVE A CAPACITY OF 100% OF THE LIGHTING FIXTURE WEIGHT ACTING IN ANY DIRECTION. NO. 12 GAGE HANGERS SHALL BE ATTACHED TO THE GRID MEMBERS WITHIN 3" OF EACH CORNER OF EACH FIXTURE. TANDEM FIXTURES MAY UTILIZE COMMON WIRES.
  - LIGHTING FIXTURES SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM. THE ATTACHMENT DEVICE SHALL HAVE A CAPACITY OF 100% OF THE LIGHTING FIXTURE WEIGHT ACTING IN ANY DIRECTION. NO. 12 GAGE HANGERS SHALL BE ATTACHED TO THE GRID MEMBERS WITHIN 3" OF EACH CORNER OF EACH FIXTURE. TANDEM FIXTURES MAY UTILIZE COMMON WIRES.
  - LIGHTING FIXTURES WEIGHING 50 POUNDS OR MORE SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS.
  - PENDANT-HUNG LIGHTING FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO. 9 GAGE WIRE OR APPROVED ALTERNATE SUPPORT WITHOUT USING THE CEILING SUSPENSION SYSTEM FOR DIRECT SUPPORT.
- SEPARATE SUPPORT FROM THE STRUCTURAL DECK SHALL BE PROVIDED FOR ALL APPENDAGES SUCH AS LIGHT FIXTURES, AIR DIFFUSERS, EXIT SIGNS, AND SIMILAR ELEMENTS.
- RIGID BRACING MAY BE USED INSTEAD OF DIAGONAL SPRAY WIRES. RIGID BRACING MUST LIMIT CEILING MOVEMENT TO LESS THAN 1/4" AT THE POINT OF ATTACHMENT.
- CEILING WITHOUT RIGID BRACING MUST HAVE 2 INCHES OVERSIZED TRIM RINGS FOR SPRINKLERS AND OTHER PENETRATIONS, TO ALLOW FOR FREE MOVEMENT OF AT LEAST 1" IN ALL HORIZONTAL DIRECTIONS. ALTERNATELY, A SWING JOINT THAT CAN ACCOMMODATE 1" OF CEILING MOVEMENT IN ALL HORIZONTAL DIRECTIONS IS PERMITTED TO BE PROVIDED AT THE TOP OF THE SPRINKLER HEAD EXTENSION.
- IF PARTITIONS ARE ATTACHED TO THE SUSPENDING SYSTEM THEY MUST BE LATERALLY BRACED TO THE BUILDING STRUCTURE.



**COMPRESSION POST TABLE \* ICC ESR-1222**

TYPE *	TUBE LENGTH		OVERALL COMPRESSION POST LENGTH	
	1"Ø (STRUT "A")	3/4"Ø (STRUT "B")	MINIMUM	MAXIMUM
VSA 18/30	17"	17"	18"	30"
VSA 30/48	24"	30"	30"	48"
VSA 48/84	48"	40"	48"	84"
VSA 84/102	72"	40"	84"	102"

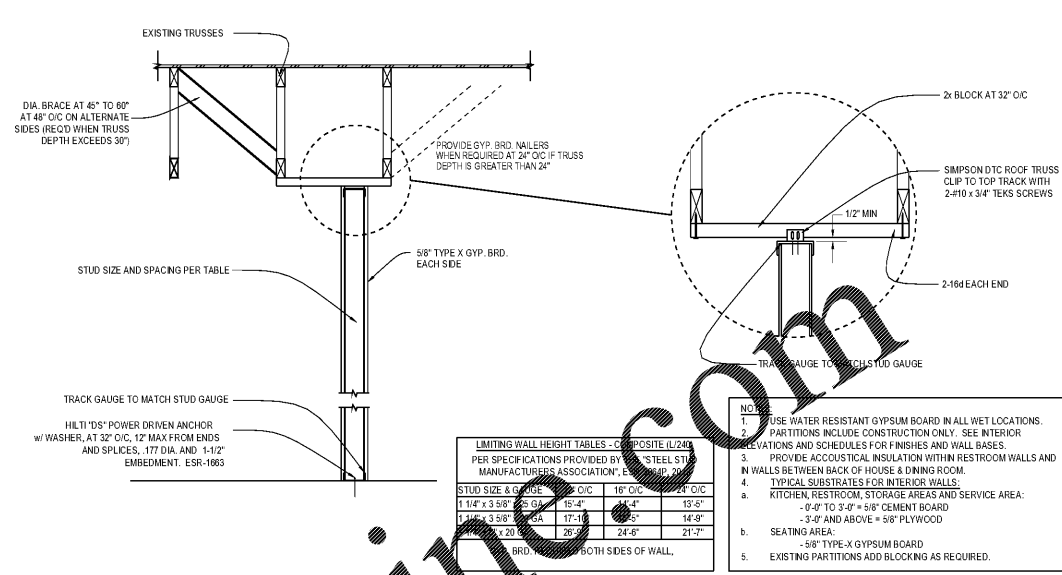
\* BY DONN, OR APPROVED EQUAL

- DESCRIPTION & INSTALLATION:** (ICC ESR-1222)
- 3/4"Ø TUBE INSERTED WITHIN AND PROJECTING OUT A 1"Ø TUBE; TWO PLASTIC BUSHINGS, AND A SPRING-STEEL TENSION RING FASTENED WITH A NO. 10 BY 1" LONG, HEX WASHERHEAD, SELF-TAPPING STEEL SCREW TO THE BUSHING LOCATED IN THE END OF THE 3/4"Ø TUBE WHICH IS INSERTED INTO THE 1"Ø TUBE. THE TUBES ARE FORMED FROM AISI 1010 STEEL HAVING A MINIMUM YIELD STRENGTH OF 36 KSI. A SPRING-STEEL CLIP INSERTED INTO THE UPPER END OF THE COMPRESSION POST IS USED WITH A MECHANICAL FASTENER TO ATTACH THE COMPRESSION POST TO THE STRUCTURAL ROOF OR FLOOR FRAMING. A PLASTIC CLIP IN THE OPPOSITE END OF THE COMPRESSION POST SNAPS ONTO THE BULB OF THE MAIN TEE OF THE SUSPENDED CEILING. THE COMPRESSION POST IS ALSO CONNECTED TO THE SUSPENDED CEILING MEMBERS BY WIRE TYING THE POST TO THE HANGER WIRES OR FASTENING THE PLASTIC END CLIP TO THE MAIN TEE WITH A NO. 10 BY 1" LONG BOLT AND HEX NUT.
- NOTES:**
- COMPRESSION STRUT BE FASTENED TO THE MAIN RUNNER AND BE EXTENDED TO AND FASTENED TO THE STRUCTURAL MEMBERS SUPPORTING THE ROOF OR FLOOR ABOVE
  - THE STRUT SHALL BE VERTICAL AND NOT HANG MORE THAN 1 INCH OUT OF PLUMB
  - ALL STRUTS MEETING THE SPECIFICATIONS OF THIS TABLE MUST BE INSTALLED TO MEET THE REQUIREMENTS OF THE CODE. OTHER DESIGN CONFIGURATIONS MUST CONFORM TO THE DESIGN REQUIREMENTS OF THE GOVERNING CODES.
  - EACH STRUT MUST BE ACCOMPANIED BY A TENSION WIRE LOCATED ON THE INSIDE OF IMMEDIATELY TO (WITHIN 1") AND PARALLEL TO THE STRUT
  - PRE MANUFACTURED STRUTS ARE AVAILABLE AND MAY BE INSTALLED ACCORDING TO THEIR LISTING AND INSTALLATION INSTRUCTIONS

**METAL STUD SEISMIC COMPRESSION STRUT OR TELESCOPING SEISMIC COMPRESSION STRUT DETAIL**

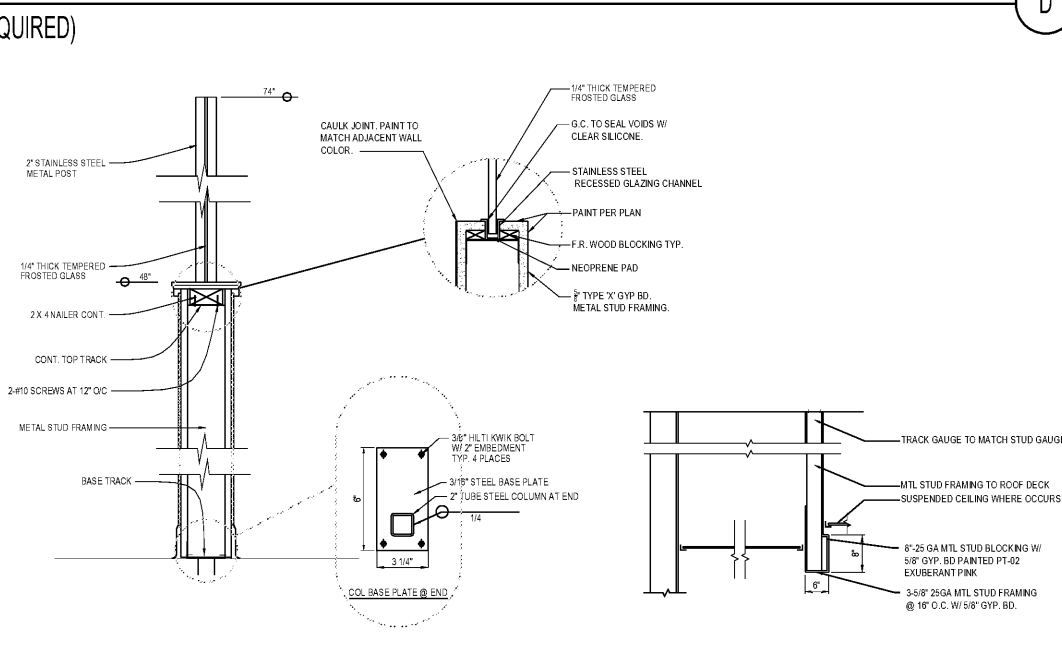
**INTERIOR LOW WALL**

**SERVICE AREA SOFFIT DETAIL**



**INTERIOR METAL STUD PARTITION**

- LIMITING WALL HEIGHT TABLES - COMPOSITE (L/240)**
- | STUD SIZE & GYPSUM BOARD   | 16" O.C. | 18" O.C. | 24" O.C. |
|----------------------------|----------|----------|----------|
| 1 1/4" x 3 5/8" @ 16" O.C. | 15'-4"   | 14'-4"   | 13'-4"   |
| 1 1/4" x 3 5/8" @ 18" O.C. | 17'-10"  | 17'-0"   | 14'-8"   |
| 1 1/4" x 3 5/8" @ 24" O.C. | 20'-0"   | 20'-0"   | 24'-8"   |
- GENERAL NOTES:**
- USE WATER RESISTANT GYPSUM BOARD IN ALL WET LOCATIONS.
  - PARTITIONS INCLUDE CONSTRUCTION ONLY. SEE INTERIOR FINISH SCHEDULES FOR FINISHES AND WALL BASES.
  - PROVIDE ACOUSTICAL INSULATION WITHIN RESTROOM WALLS AND IN WALLS BETWEEN BACK OF HOUSE DINING ROOM.
  - TYPICAL SUBSTRATES FOR INTERIOR WALLS:
    - KITCHEN, RESTROOM, STORAGE AREAS AND SERVICE AREA: - 5/8" TYPE X GYP. BRD. - 3/4" AND ABOVE = 5/8" PLYWOOD
    - SEATING AREA: - 5/8" TYPE X GYPSUM BOARD
    - EXISTING PARTITIONS ADD BLOCKING AS REQUIRED.

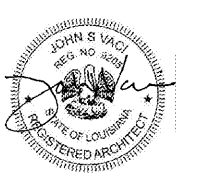


**METAL STUD SEISMIC COMPRESSION STRUT OR TELESCOPING SEISMIC COMPRESSION STRUT DETAIL**

**INTERIOR LOW WALL**

**SERVICE AREA SOFFIT DETAIL**

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**A-7.0**