

**DALLAS PARK AND RECREATION DEPARTMENT ADMINISTRATIVE OFFICES**

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LANDSCAPE

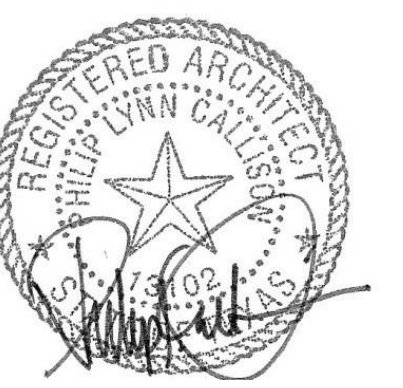
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08/25/16

Revisions

**PARTITION TYPES GENERAL NOTES**

- REFER TO FLOOR PLAN SERIES A-20XX FOR LOCATION OF PARTITION TYPES. ALL PARTITIONS ARE TYPE "7X" UNLESS NOTED OTHERWISE. NOT ALL PARTITION TYPES SHOWN ARE UTILIZED.
  - REFER TO A-22X SERIES FOR FINAL FINISHES ON PARTITIONS. PARTITION TYPES IN CHARTS REFER TO BASE WALL ONLY.
  - WHEN BLOCKING REQUIRED IN A PARTITION, USE A MINIMUM .03" (3 GA) STUD.
  - PROVIDE ONE LAYER OF 5/8" GLASS MATT INTERIOR AT WALLS BEHIND SINKS AND LAVATORIES WITHOUT TILE. GLASS MATT INTERIOR TYPE BOARD SHALL BE INSTALLED WITHIN 2" OF ALL URINALS AND WATER CLOSETS, TO A HEIGHT OF 4' AFFIAT WALLS (WITHOUT TILE).
  - PROVIDE TILE BACKER GLASS MATT AT ALL WALLS IN TOILET ROOMS WITH SHOWER AND AT TILED WALLS OR WALL PANELS IN SHOWERS AND BATHUBS.
  - PENETRATIONS IN LEAD-LINED PARTITIONS SHALL BE SEALED TO MEET LEAD SHIELDING REQUIREMENTS AND SPECIFICATIONS.
  - ALL LOAD BEARING WALLS SHALL BE CONSTRUCTED PER STRUCTURAL DRAWINGS AND SPECIFICATIONS.
  - PROVIDE FIRE TREATED WOOD BLOCKING, SHEET METAL OR STEEL BACKING IN PARTITIONS TO SUPPORT WALL MOUNTED ITEMS AND EQUIPMENT. FOR EXAMPLE, AT CABINETS, HANDRAILS, GUARDRAILS, TOILET PARTITIONS AND ACCESSORIES, WALL-MOUNTED EQUIPMENT, ETC.
  - "LINE OF STRUCTURE" AS SHOWN AT THE HEAD CONDITIONS OF THE PARTITION DETAIL DOES NOT INDICATE THE EXACT CONSTRUCTION CONDITION. REFER TO A-910 SERIES "CODE COMPLIANCE DETAILS" FOR ADDITIONAL INFORMATION CONCERNING RATED PARTITIONS.
  - ISOLATE NON-LOAD BEARING FRAMING FROM STRUCTURAL ELEMENTS TO PREVENT THE TRANSFER OF LOAD TO PARTITION FRAMING. STOP STUDS 12" BELOW METAL RUNNER TOP TRACKS TO ALLOW FOR VERTICAL EXPANSION. SET TOP TRACK 1" BELOW DEFLECTION TRACK. DO NOT ATTACH STUDS TO TOP TRACK. DO NOT ATTACH GYPSUM BOARD TO THE DEFLECTION TRACK. THIS MAY ALSO BE ACHIEVED, AT THE CONTRACTOR'S OPTION, BY UTILIZING THE PROPRIETARY SYSTEM DESCRIBED IN THE SPECIFICATIONS. REF 01A8102
  - REFER TO A-827? AND A-837? FOR NOTES REGARDING STUDS AT OPENINGS.
- FIRE RATED PARTITIONS**
- REFER TO A-91A SERIES "CODE COMPLIANCE DETAILS" FOR ADDITIONAL INFORMATION ON PENETRATIONS THRU RATED PARTITIONS. FIRE RESISTANT JOINT SYSTEMS, SLP TRACKS AT NON-BEARING PARTITIONS CONNECTION TO STRUCTURE AND WALL PRIORITY.
  - UL DESIGN REFERS TO FIRE RESISTANT DIRECTORY'S MOST RECENT ISSUE.
  - CONSTRUCT RATED PARTITIONS BEFORE NON-RATED.
- ACOUSTICAL (THE FOLLOWING NOTES APPLY TO ALL PARTITIONS DESIGNATED TO HAVE A SOUND TRANSMISSION CLASS (STC) RATING ON THE PARTITION CHARTS.)**
- ALL ACOUSTICALLY CLASSIFIED PARTITIONS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE TO THE REFERENCED TEST.
  - STAGGER AND SEAL ALL JOINTS ON MULTIPLE GYPSUM BOARD LAYER PARTITIONS.
  - SEAL PARTITIONS AIR TIGHT AT FLOORS, SIDES, AND CEILINGS ON BOTH SIDES WITH NON-HARDENING ACOUSTICAL SEALANT.
  - ALL BATTS AND BLANKETS IN RATED PARTITIONS MUST BEAR THE REQUIRED UL CLASSIFICATION MARKING AS TO FIRE-RESISTANCE. REFER TO CODE COMPLIANCE DETAILS IN A-910 SERIES.
  - AT ACOUSTICALLY RATED PARTITIONS, DO NOT FILL THE STUD CAVITY (DEPTHS) FULLY WITH SOUND BATTS. THE WIDTH OF THE SOUND BATTS SHOULD BE SLIGHTLY SMALLER THAN CAVITY TO AVOID BATT COMPRESSION; HOWEVER, THE ENTIRE LENGTH AND HEIGHT OF THE PARTITION SHOULD HAVE CONTINUOUS AND UNINTERRUPTED SOUND ATTENUATION BATTS.
  - REFER TO DETAILS 9, 10, 11, AND 12 ON SHEET A-8102 FOR PARTITION TYPES WITH A DESIGNATED STC RATING.
  - SEAL ALL WALL INTERSECTIONS AND CONTROL JOINTS AT ACOUSTICALLY CLASSIFIED PARTITIONS IN ACCORDANCE WITH DETAIL 12A-8102.
  - SEAL ALL CONDUIT, STRUCTURAL, DUCT AND LARGE PIPE PENETRATIONS ACCORDING TO 9A-8102 UNLESS THE PARTITION IS ALSO FIRE RATED WHERE THE CODE COMPLIANCE DETAILS ON THE A-910 SERIES SHOULD BE REFERENCED.
  - OUTLETS ON OPPOSITE SIDES OF ACOUSTICALLY CLASSIFIED PARTITIONS SHOULD BE SEPARATED BY A MINIMUM OF ONE STUD. SEAL OUTLETS IN ACCORDANCE WITH 10A-8102 UNLESS THE PARTITION IS FIRE RATED. IF THE PARTITION IS FIRE RATED THEN REFER TO A-910 SERIES, "CODE COMPLIANCE DETAILS."
  - THE ARCHITECT SHALL OBSERVE THAT ALL BOXES REQUIRED TO BE ACOUSTICALLY SEALED ARE SEALED PRIOR TO CLOSING IN PARTITIONS AND INSTALLING DEVICES AND COVER PLATES.
  - "Z" FURRINGS OR RESILIENT CHANNELS ARE REQUIRED AT CMU WALLS TO MAINTAIN DESIGNATED STC.
  - HEAVIER GAGE STUDS, WITH THEIR ADDED THICKNESS HAVE A NEGATIVE IMPACT ON THE SOUND INSULATION OF A PARTITION.

CONCRETE MASONRY UNITS (BEARING AND NON-BEARING)

BASIC PARTITION THICKNESS

|   | N1    | N2          | N3   | N4  | N5  | N6  | N7    | DETAIL NO  |
|---|-------|-------------|--|---|---|---|-------|------------|
| NON-FIRE RATED CMU TO STRUCTURE ABOVE       | (N20) | (N30)       | (N40)  | (N50)   | (N60)   | (N70)   | (N80) | 8 / A-8102 |
| 1-HR RATED CMU TO STRUCTURE ABOVE           | (N21) | (N31)       | (N41)  | (N51)   | (N61)   | (N71)   | (N81) | 8 / A-8102 |
| 2-HR RATED CMU TO STRUCTURE ABOVE           | (N22) | (N32)       | (N42)  | (N52)   | (N62)   | (N72)   | (N82) | 8 / A-8102 |
| 3-HR RATED CMU TO STRUCTURE ABOVE           | (N23) | (N33)       | (N43)  | (N53)   | (N63)   | (N73)   | (N83) | 8 / A-8102 |
| 4-HR RATED CMU TO STRUCTURE ABOVE           | (N24) | (N34)       | (N44)  | (N54)   | (N64)   | (N74)   | (N84) | 8 / A-8102 |
| NON-FIRE RATED CMU TO 6" ABOVE CEILING      | (N15) | (N25)       | (N35)  | (N45)   | (N55)   | (N65)   | (N75) |            |
| NON-FIRE RATED CMU TO UNDER SIDE OF CEILING | (N16) | (N26)       | (N36)  | (N46)   | (N56)   | (N66)   | (N76) |            |
| PARTIAL HEIGHT PARTITION                    | (N17) | (N27)       | (N37)  | (N47)   | (N57)   | (N67)   | (N77) |            |
| BASIC PARTITION THICKNESS                   | 1.58" | 3.58"       | 5.78"  | 7.58"   | 9.58"   | 11.58"  |       |            |
| NOMINAL MASONRY THICKNESS                   | 2"    | 4"          | 6"   | 8"  | 10"   | 12"   |       |            |
| ACOUSTICAL INSULATION THICKNESS             | -     | -           | -  | NOTE 2  | -   | NOTE 2  |       |            |
| ACOUSTICAL TEST NUMBER                      | -     | OCBA NOTE 1 | CC INDUST NOTE 1                                       | NOTE 1  | NOTE 1  | NOTE 1  |       |            |
| FIRE TEST NUMBER (WHERE APPLICABLE)         | -     | -           | UL DESIGN U906 (1+2 HR) U904 (3 HR) U901 (4 HR) NOTE 3 | UL DESIGN U906 (1+2 HR) U904 (3 HR) U901 (4 HR) | UL DESIGN U906 (1+2 HR) U904 (3 HR) U901 (4 HR) | UL DESIGN U906 (1+2 HR) U904 (3 HR) U901 (4 HR) |       |            |

NOTE:  
1. STC IS PREDICTED USING THE "INSUL" COMPUTER PROGRAM AND THE TEST REFERENCE.  
2. REFER TO UL DESIGN FOR ALLOWABLE COMPRESSIVE STRESS IN CMU.  
3. REFER TO UL DESIGN FOR ADDITIONAL CMU CRITERIA.  
4. FINISHES SHOWN ARE FOR NORMAL WEIGHT, HOLLOW CORE, CONCRETE MASONRY UNITS.  
5. REFER TO 7/A-8102 FOR FLOOR DETAIL.

C1010.10-4N

EXISTING CMU BACK-UP (NOTE 3)

MTL HAT-SHAPED CHANNELS

5/8" GYP BD - 1 LAYER ON SYMBOL SIDE

ACOUSTIC INSUL WHERE SCHEDULED

MTL "Z" FURRING CHANNELS

|  | M1       | M2       | M3       | M4       | M5       | M6       | M7       | M8       | DETAIL NO |
|--|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| NON-RATED WITH GYP BD TO STRUCTURE ABOVE     | (M11)    | (M21)    | (M31)    | (M41)    | (M51)    | (M61)    | (M71)    | (M81)    | NOTE 4    |
| NON-RATED WITH GYP BD TO 6" ABOVE CEILING    | (M12)    | (M22)    | (M32)    | (M42)    | (M52)    | (M62)    | (M72)    | (M82)    |           |
| NON-RATED WITH GYP BD AND FURRING TO CEILING | (M13)    | (M23)    | (M33)    | (M43)    | (M53)    | (M63)    | (M73)    | (M83)    |           |
| FURRING CHANNEL                              | 7/8"     | -        | -        | -        | -        | -        | -        | -        |           |
| "Z" CHANNEL                                  | -        | 1"       | 1 1/2"   | 1 1/2"   | 2"       | 2"       | 3"       | 3"       |           |
| BASIC PARTITION THICKNESS, NOTE 1            | 1 1/2" + | 1 5/8" + | 2 1/8" + | 2 1/8" + | 2 5/8" + | 2 5/8" + | 3 5/8" + | 3 5/8" + |           |
| ACOUSTICAL INSULATION THICKNESS              | -        | -        | -        | 1 1/2"   | -        | 2"       | -        | 3"       |           |
| ACOUSTICAL TEST NUMBER                       | NOTE 2   | NOTE 2   | NOTE 2   | NOTE 2   | TMS 0320 | OCBA     | -        | -        |           |

NOTE:  
1. PROVIDE ADDITIONAL SPACE FOR SHIMS AS REQUIRED.  
2. STC MODIFIED FROM REFERENCE.  
3. ALL STC RATINGS FOR PARTITION TYPE "M" ARE CALCULATED USING AN 8" HOLLOW CMU WALL BACK-UP TO THE FURRING AND "Z" CHANNELS.  
4. SEAL PERIMETER OF PARTITION SIMILAR TO DETAILS 1, 4, 7, AND 9A-8102

C1010.10-4M

5/8" GYP BD, 1 LAYER ON SYMBOL SIDE

STL CH-SHAPED OR BACK TO BACK C-SHAPED STUDS

ACOUSTIC INSUL WHERE SCHEDULED

1" GYPSUM LINER PANEL

BASIC PARTITION THICKNESS

|                                 | J1              | J2              | J3              | J4              | J5              | J6              | J7              | DETAIL NO    |
|---------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|
| 1-HR RATED SHAFT WALL           | (J10)           | (J20)           | (J30)           | (J40)           | (J50)           | (J60)           | (J70)           | 10A-8102 SIM |
| STUD SIZE                       | 2 1/2"          | 2 1/2"          | 4"              | 4"              | 6"              | 6"              | 6"              |              |
| BASIC PARTITION THICKNESS       | 3 1/8"          | 3 1/8"          | 4 5/8"          | 4 5/8"          | 6 5/8"          | 6 5/8"          | 6 5/8"          |              |
| ACOUSTICAL INSULATION THICKNESS | -               | 1"              | -               | 2 1/2"          | -               | 4 1/2"          | -               |              |
| ACOUSTICAL TEST NUMBER          | NOTE 2          | NOTE 2          | NOTE 2          | NOTE 2          | NOTE 2          | NOTE 2          | NOTE 2          |              |
| FIRE TEST NUMBER                | UL DES U415 (A) | UL DES U415 (A) | UL DES U415 (A) | UL DES U415 (A) | UL DES U415 (A) | UL DES U415 (A) | UL DES U415 (A) |              |

NOTE:  
1. SEE 9A-8102 (SIM) FOR DETAIL AT THE FLOOR.  
2. THE STC WAS PREDICTED USING THE "INSULATION" COMPUTER PROGRAM.

C1010.10-4J

5/8" GYP BD

STL STUDS

ACOUSTIC INSUL WHERE SCHEDULED

BASIC PARTITION THICKNESS

|   | D1     | D2     | D3     | D4     | D5     | D6     | D7     | D8     | D9     | DETAIL NO    |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| NON-RATED WITH GYP BD TO STRUCTURE ABOVE          | (D11)  | (D21)  | (D31)  | (D41)  | (D51)  | (D61)  | (D71)  | (D81)  | (D91)  | 01A-8102 SIM |
| NON-RATED WITH GYP BD TO 6" ABOVE CEILING         | (D12)  | (D22)  | (D32)  | (D42)  | (D52)  | (D62)  | (D72)  | (D82)  | (D92)  | 02A-8102 SIM |
| NON-RATED WITH STUDS & GYP BD TO FINISHED CEILING | (D13)  | (D23)  | (D33)  | (D43)  | (D53)  | (D63)  | (D73)  | (D83)  | (D93)  | 03A-8102 SIM |
| STUD SIZE   | 2 1/2" | 2 1/2" | 3 5/8" | 3 5/8" | 4"     | 4"     | 6"     | 6"     | 1 1/2" |              |
| BASIC PARTITION THICKNESS                         | 3 1/8" | 3 1/8" | 4 1/4" | 4 1/4" | 4 5/8" | 4 5/8" | 6 5/8" | 6 5/8" | 2 1/8" |              |
| ACOUSTICAL INSULATION THICKNESS                   | -      | 2"     | -      | 3"     | -      | 3"     | -      | 5 1/2" | 1"     |              |
| ACOUSTICAL TEST NUMBER                            | NOTE 1 | NOTE 1 | NOTE 1 | NOTE 1 | NOTE 1 | NOTE 1 | NOTE 1 | NOTE 1 | NOTE 1 |              |

NOTE:  
1. STCS ARE PREDICTED USING THE "INSUL" COMPUTER PROGRAM.  
2. STCS ARE BASED ON 0.018" THICK (25 GA) STUDS.  
3. REFER TO 20A-8102 FOR BRACING.

C1010.10-4D

5/8" GYP BD, 1 LAYER EA SIDE

STL STUDS

ACOUSTIC INSUL WHERE SCHEDULED

BASIC PARTITION THICKNESS

|  | A1             | A2            | A3             | A4             | A5             | A6            | A7                    | A8                    | DETAIL NO    |
|--|----------------|---------------|----------------|----------------|----------------|---------------|-----------------------|-----------------------|--------------|
| 1-HR RATED WITH GYP BD TO STRUCTURE ABOVE                      | (A20)          | (A30)         | (A40)          | (A50)          | (A60)          | (A70)         | (A80)                 | (A90)                 | 01A-8102     |
| NON-RATED WITH GYP BD TO STRUCTURE ABOVE (SMOKE RESIST)        | (A11)          | (A21)         | (A31)          | (A41)          | (A51)          | (A61)         | (A71)                 | (A81)                 | 01A-8102 SIM |
| NON-RATED WITH GYP BD TO 6" ABOVE CEILING                      | (A12)          | (A22)         | (A32)          | (A42)          | (A52)          | (A62)         | (A72)                 | (A82)                 | 02A-8102     |
| NON-RATED WITH STUDS & GYP BD TO FINISHED CEILING              | (A13)          | (A23)         | (A33)          | (A43)          | (A53)          | (A63)         | (A73)                 | (A83)                 | 03A-8102     |
| PARTIAL HEIGHT PARTITION. SEE FLOOR PLANS FOR HEIGHTS. NOTE 1. | (A14)          | (A24)         | (A34)          | (A44)          | (A54)          | (A64)         | (A74)                 | (A84)                 | 13A-8102     |
| STUD SIZE  | 2 1/2"         | 2 1/2"        | 3 5/8"         | 3 5/8"         | 4"             | 4"            | 6"                    | 6"                    |              |
| BASIC PARTITION THICKNESS                                      | 3 3/4"         | 3 3/4"        | 4 7/8"         | 4 7/8"         | 5 1/4"         | 5 1/4"        | 7 1/4"                | 7 1/4"                |              |
| ACOUSTICAL INSULATION THICKNESS                                | -              | 2"            | -              | 3"             | -              | 3"            | -                     | 5 1/2"                |              |
| ACOUSTICAL TEST NUMBER   | SIM USG 860808 | SIM SA 831001 | SIM USG 860808 | SIM USG 870717 | SIM USG 860806 | SIM SA 870717 | SIM USG 860808 NOTE 3 | SIM USG 870717 NOTE 4 |              |
| FIRE TEST NUMBER (WHERE APPLICABLE)                            | -              | UL DES U419   | UL DES U465    | UL DES U465    | UL DES U465    | UL DES U465   | UL DES U465           | UL DES U465           |              |

NOTE:  
1. REFER TO 13A-8102 FOR PARTIAL HEIGHT PARTITION DETAIL.  
2. REFER TO 04A-8102 FOR FLOOR DETAIL.  
3. STC IS PREDICTED USING THE "INSUL" COMPUTER PROGRAM.  
4. STC IS MODIFIED FROM THE REFERENCE.  
5. STC IS BASED ON 0.018" THICK (25 GA) STUDS.  
6. WHERE AN "NEXT TO" THE PARTITION TAG, PROVIDE 3/4" WOOD BEHIND THE GYP BD ON THE STORE ROOM SIDE.

C1010.10-4A

| NO | ISSUE | DATE |
|----|-------|------|
|    |       |      |

**Sheet Information**  
Date: AUGUST 25, 2016  
Job Number: 146054-000  
Drawn: VBW  
Checked: RC  
Approved: PLC

**Title**  
**INTERIOR PARTITION TYPE CHARTS**

Sheet  
**A-810**

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