

Division 9 - Finishes

09050 - General Material and Finish Guidelines

1. Has the selection of materials been assessed for long range, life-cycle cost analysis?
(Specific drawing sheet #/specification page # _____)
2. Has the Architect/Engineer coordinated all color and material color selections with the users and FAU Facilities Planning Project Manager?
(Specific drawing sheet #/specification page # _____)
3. Have schedules and samples been provided for interior finishes, such as paint, vinyl, baseboards, carpet, tile, bathroom partitions, etc., as well as exterior finishes, such as paint, roof shingles, glazing, etc.?
(Specific drawing sheet #/specification page # _____)
4. Have colors been presented in the form of a non-returnable "color board", which demonstrates all color selections in the form of an overall project color palette?
(Specific drawing sheet #/specification page # _____)
5. Have samples of all finishes and finishing material been submitted to the Owner for approval? In case of special concrete finishes or stucco work, a sample at least 4'-0" square shall be submitted.
(Specific drawing sheet #/specification page # _____)

09205 - Metal Lath

1. Does expanded metal lath comply with ASTM C 847, diamond mesh, expanded steel galvanized per ASTM A 653, G60, and weigh a minimum of 3.4 pounds per square yard?
(Specific drawing sheet #/specification page # _____)
2. Where lath is indicated to have backing, and where backing is required for machine application of plaster; has self-furring lath been specified, backed with asphalt felts on solid gypsum sheathing?
(Specific drawing sheet #/specification page # _____)
3. Subject to compliance with requirements, are at least three (3) of the following manufacturers included in the specifications?
Expanded-Metal Lath:
 - a. Alabama Metal Industries Corp. (AMICO).
 - b. Dale//Incor Industries, Inc.
 - c. Dietrich Industries, Inc.
 - d. National Gypsum Co.
 - e. Unimast, Inc.
 - f. United States Gypsum Co
(Specific drawing sheet #/specification page # _____)

09220 – FAU Standard for Portland Cement Plaster

1. Has the following FAU Standard for Portland Cement Plaster been followed?
(Specific drawing sheet #/specification page # _____)

- 2. Is Product Data for each product specified required to be submitted?
(Specific drawing sheet #/specification page # _____)
- 3. Are Material Certificates signed by the manufacturer for each kind of plaster aggregate certifying that the materials comply with specifications required?
(Specific drawing sheet #/specification page # _____)

Delivery, Storage, and Handling

- 5. Are all cementitious materials required to be delivered to the Project site in their original packages, containers, or bundles, labeled with manufacturer's name, product brand name, and lot number?
(Specific drawing sheet #/specification page # _____)
- 6. Are all materials required to be stored inside, under cover, and dry, protected from weather, direct sunlight, surface contamination, aging, corrosion, and damage from construction traffic and other causes?
(Specific drawing sheet #/specification page # _____)

Project Conditions

- 7. Has the A/E required that the contractor comply with requirements of the referenced plaster application standards and the recommendations of the plaster manufacturer for environmental conditions before, during, and after plaster application?
(Specific drawing sheet #/specification page # _____)
- 8. Has the A/E required that the contractor protect plaster against uneven and excessive evaporation and from strong flows of dry air, both natural and artificial? Apply and cure plaster as required by climatic and job conditions to prevent dry out during cure period. Provide suitable coverings, moist curing, barriers to deflect sunlight and wind, or combinations of these, as required.
(Specific drawing sheet #/specification page # _____)
- 9. Has it been specified that plaster shall not be applied when the ambient temperature is below 40 degrees F?
(Specific drawing sheet #/specification page # _____)
- 10. Has the A/E required the contractor to protect contiguous work from soiling and moisture deterioration caused by plastering and to provide temporary coverings and other provisions necessary to minimize harmful spattering of plaster on other work?
(Specific drawing sheet #/specification page # _____)

Pre-Installation Conference

- 11. Is a Pre-Installation Conference at the Project site to comply with requirements of Division I Section "Project Meetings" specified?
(Specific drawing sheet #/specification page # _____)

Products - Manufacturers

- 12. Subject to compliance with requirements, are at least three (3) of the following manufacturers included in the specifications?

Metal Accessories:

- a. Alabama Metal Industries Corp. (AMICO).
- b. Dale//Incor Industries, Inc.
- c. Gordon, Inc.
- d. Metalex (Keene Products).
- e. MM Systems Corp.
- f. National Gypsum Co.
- g. Stockton Products.
- h. Unirnast, Inc.
- i. United States Gypsum Co.

(Specific drawing sheet #/specification page # _____)

13. Are metal ceiling supports for suspended and furred ceilings and soffits sized to comply with ASTM C 1063, unless otherwise indicated?
(Specific drawing sheet #/specification page # _____)

Cast-in-Place and Post-installed Anchors in Concrete

14. Are anchors fabricated from corrosion-resistant materials, with holes or loops for attaching hanger wires; and with capability to sustain, without failure, a load equal to 5 times that imposed by ceiling construction, as determined by testing according to ASTM E 488 conducted by a qualified independent testing agency, and are they the appropriate type (cast-in-place type designed for attachment to concrete forms, chemical anchor, and/or expansion anchor)?
(Specific drawing sheet #/specification page # _____)

Wire for Hangers and Ties

15. Do wires for hangers and ties comply with ASTM A 641, Class I zinc coating, soft temper?
(Specific drawing sheet #/specification page # _____)

Rod Hangers

16. Are rods hangers specified as mild steel, zinc coated?
(Specific drawing sheet #/specification page # _____)

Flat Hangers

17. Are flat hangers specified to be mild steel, zinc coated, or protected with rust-inhibitive paint?
(Specific drawing sheet #/specification page # _____)

Channels

17. Are channels specified to be cold-rolled steel, minimum 0.0598-inch- thick base (uncoated) metal and 7 /16-inch- wide flanges, and as follows?
 a. Carrying Channels: 1-1/2 inches deep, 475 lb/1000 feet.
 b. Furring Channels: 3/4 inch deep, 300 lb/1000 feet.
 c. Finish: ASTM A 653, G60 hot-dip galvanized coating for framing where indicated.
 (Specific drawing sheet #/specification page # _____)

Steel Studs for Furring Channels

18. Have these been specified to be ASTM C 645, with flange edges of studs bent back 90 degrees and doubled over to form 3/16-inch- wide minimum lip (return), and complying with the following requirements for minimum thickness of base (uncoated) metal and for depth?
- a. Minimum Thickness: 0.0329 inch, unless otherwise indicated.
 - b. Depth: As indicated on Drawings.
 - c. Protective Coating: ASTM A 653, G40 galvanized coating.
- (Specific drawing sheet #/specification page # _____)

Accessories

19. Do all plaster accessories comply with the material provisions of ASTM C 1063 and are all accessories zinc alloy components meeting ASTM B 69, 99% pure zinc? (Specific drawing sheet #/specification page # _____)
20. Have all accessories been coordinated for depth with the thicknesses and number of plaster coats required? (Specific drawing sheet #/specification page # _____)
21. Is it specified that accessories are to be installed only in horizontal soffits or ceilings or at the intersection of vertical surfaces and horizontal soffits or ceilings? (Specific drawing sheet #/specification page # _____)
22. Has it been specified that accessories shall not be used in exterior non-protected vertical and horizontal surfaces? (Specific drawing sheet #/specification page # _____)
23. Have casing beads been specified as square-edged style, with expanded flanges and a minimum of 0.0207 inches thick? (Specific drawing sheet #/specification page # _____)
24. Have control joints been specified to be two-piece type consisting of a pair of casing beads with back flanges formed to provide slip-joint action, adjustable for joint widths from 1/8 inch to 5/8 inch and do they include a removable protective tape on the plaster face? (Specific drawing sheet #/specification page # _____)
25. Have expansion screeds (reveals) been specified to be equal to Superior Reveal Screed (SRS), with face opening width(s) indicated on the drawings, zinc material, and depth as required for plaster thickness? Have back-up plates been specified at joints and outside corners? (Specific drawing sheet #/specification page # _____)

Plaster Materials

26. Are Base-Coat Cements specified to be Portland cement, ASTM C 150, Type I? (Specific drawing sheet #/specification page # _____)
27. Are Job-Mixed Finish-Coat Cements specified to be Portland cement, ASTM C 150, Type I, cement color gray? (Specific drawing sheet #/specification page # _____)

28. Has Lime been specified as special non air-entraining hydrated lime for finishing purposes, ASTM C 206, Type S; or special non air-entraining hydrated lime for masonry purposes, ASTM C 207, Type S?
(Specific drawing sheet #/specification page #_____)
29. Has Sand Aggregate for Base Coats been specified to meet ASTM C 897?
(Specific drawing sheet #/specification page #_____)
30. Has Aggregate for Finish Coats been specified to comply with ASTM C 897 system and to be manufactured or natural sand, white in color?
(Specific drawing sheet #/specification page #_____)

Miscellaneous Materials

31. Has Fiber been specified for the Base Coat in 3-Coat Work and is it alkaline-resistant glass or polypropylene fibers, 1/2 inch long, free of contaminants, manufactured for use in Portland Cement plaster?
(Specific drawing sheet #/specification page #_____)
32. Is water for mixing and finishing plaster specified to be potable?
(Specific drawing sheet #/specification page #_____)
33. Has a Bonding Admixture been specified for the base coat in two-coat work and is it a non-re-emulsifiable acrylic emulsion-type equal to Thoroseal Acryl 60, manufactured by Harris Specialties Chemicals, Inc.; Xycrylic, manufactured by Xypex Chemical Corp.; and Sika Latex, manufactured by Sika Chemical Corp?
(Specific drawing sheet #/specification page #_____)

Plaster Mixes and Compositions

34. Does the mix comply with ASTM C 926 for base- and finish-coat mixes as applicable to plaster bases, materials, and other requirements indicated, except that plastic cement and masonry cement are not permitted?
(Specific drawing sheet #/specification page #_____)

Base Coats

35. Are Base Coat Mixes and Compositions specified as listed below for proportion of materials for respective coats in parts by volume for cementitious materials and in parts by volume of aggregate per sum of cementitious materials to comply with the following for each method of application and plaster base indicated. (Adjust mix proportions within limits specified to attain workability.)
(Specific drawing sheet #/specification page #_____)
36. Fiber Content: Add fiber to brown coat of 3-coat mixes after ingredients have mixed for at least 2 minutes. Comply with fiber manufacturer's written instructions, but do not exceed 1 lb/cu. ft. of cementitious materials. Reduce aggregate quantities accordingly to maintain workability.
(Specific drawing sheet #/specification page #_____)
37. Three-coat work over metal lath: Base-coat proportions as indicated below:
- a. Scratch Coat: 1 part Portland Cement, 0 to 3/4 parts lime, 2-1/2 to 4 parts sand.
 - b. Brown Coat: 1 part Portland Cement, 0 to 3/4 parts lime, 3 to 5 parts sand.

- (Specific drawing sheet #/specification page # _____)
38. Two-Coat Work Over Concrete Unit Masonry: Base coat proportions 1 part Portland Cement, 3/4 to 1-1/2 parts lime, 3 to 4 parts sand. Water to be mixed with bonding admixture in proportion as recommended by admixture manufacturer.
(Specific drawing sheet #/specification page # _____)
- Finish Coats
39. Job-Mixed Finish Coats: Proportion materials for finish coats in parts by volume for cementitious materials and parts by volume of aggregates per sum of cementitious materials: 1 part Portland Cement, 3/4 to 1-1/2 parts lime, 3 parts sand.
(Specific drawing sheet #/specification page # _____)
- Mixing
40. Mechanically mix cementitious and aggregate materials for plasters to comply with applicable referenced application standard and with recommendations of plaster manufacturer.
(Specific drawing sheet #/specification page # _____)
- Installation of Lath and Furring
41. Have the following standards been specified Comply with ML/SF A 920, "Guide Specifications for Metal Lathing and Furring," and with requirements of ASTM C 1063?
(Specific drawing sheet #/specification page # _____)
42. Has it been specified to install supplementary framing, blocking, and bracing at terminations in work and for support of fixtures, equipment services, heavy trim, grab bars, handrails, furnishings, and similar work to comply with details indicated or, if not otherwise indicated, to comply with applicable written instructions of lath and furring manufacturer?
(Specific drawing sheet #/specification page # _____)
43. Where lathing and metal support system abuts building structure horizontally and where a partition or wall abuts an overhead structure, is the design sufficiently isolated from structural movement to prevent transfer of loading from building structure? Have slip- or cushion-type joints to absorb deflections but maintain lateral support been called for?
(Specific drawing sheet #/specification page # _____)
44. Have both sides of control joints been framed independently so the detail does not bridge joints with furring and lathing or accessories?
(Specific drawing sheet #/specification page # _____)
45. Has it been specified to install additional framing, furring, runners, lath, and beads, as required to form openings and frames for other work as indicated? Has the support system been coordinated for proper support of framed work that is not indicated to be supported independently of metal furring and lathing system?
(Specific drawing sheet #/specification page # _____)

Installation of Ceiling and/or Soffit Suspension Systems

46. Have the following requirements been specified and/or detailed?
(Specific drawing sheet #/specification page # _____)
- a. Preparation and Coordination: Coordinate installation of ceiling suspension system with installation of overhead structural systems to ensure inserts and other structural anchorage provisions have been installed to receive ceiling hangers in a manner that will develop their full strength and at spacing required to support ceiling.
 - b. Furnish concrete inserts, and other anchorage devices indicated, to other trades for installations well in advance of time needed for coordination with other work.
 - c. Hanger Installation: Attach hangers to structure above ceiling to comply with ML/SF A 920, "Guide Specifications for Metal Lathing and Furring," and with referenced standards.
 - d. Do not attach hangers to metal deck tabs.
 - e. Install ceiling suspension system components of sizes and spacing indicated, but not in smaller sizes or greater spacing than those required by referenced lathing and furring installation standards.
 - f. Hangers: Space hangers not over 48 inches o.c, parallel with and not over 36 inches o.c. perpendicular to, direction of carrying channels, unless otherwise indicated, and within 6 inches of carrying channel ends.
 - g. Where wire hangers are called for or required, provide 0.16 inch-diameter wire.
 - h. Hangers shall be of ample length and shall conform to the requirements of ASTM C 1063 Table 1 both as to size and maximum area to be supported, except as modified by this section.
 - i. When 1 inch by 3/16 inch flat inserts and hangers are used, 7/16 inch diameter holes shall be provided on the center line at the lower end of the insert and upper end of the hanger to permit the attachment of the hanger to the insert. The edge of the holes in both the inserts and the hangers shall be not less than 3/8 inch from the ends.
 - j. In concrete, hangers shall be attached to inserts embedded in the concrete or to other attachment devices designed for this purpose and able to develop full strength of the hanger.
 - k. Flat, steel hangers shall be bolted to 1 inch by 3/16 inch inserts with 3/8 inch diameter round-head stove bolts. The nuts of the bolts shall be drawn up tight.
 - l. Wire hangers shall be saddle-tied to the runners.
 - m. Smooth or threaded rod hangers shall be fastened to the runners with special attachments appropriate to the design.
 - n. The lower ends of flat runners shall be bolted to the main runners, or bent tightly around the runners and carried up and above the runners and bolted to the main part of the hanger. Bolts shall be 3/8 inch diameter, round-head stove bolts.
 - o. Carrying Channels: Space carrying channels not over 36 inches o.c: with 48-inch o.c. hanger spacing.
 - p. Furring Channels to Receive Metal Lath: Space furring channels not over 16 inches o.c. for 3.4-lb/sq. yd. diamond-mesh lath, 19 inches o.c. for 3.4-lb/sq. yd. flat rib lath, or 24 inches o.c. for 3.4-lb/sq. yd., 3/8-inch rib lath.

Preparations for Plastering

47. Has it been specified to clean plaster bases and substrates for direct application of plaster, removing loose material and substances that may impair the Work? (Specific drawing sheet #/specification page #_____)
48. Has it been specified to install temporary grounds and screeds to ensure accurate rodding of plaster to true surfaces and to coordinate with scratch-coat work? (Specific drawing sheet #/specification page #_____)

Surface Conditioning:

49. Has it been specified that immediately before plastering to dampen the concrete and concrete unit masonry surfaces that are indicated for direct plaster application and that the contractor must determine and apply the amount of moisture and degree of saturation that will result in optimum suction for plastering? (Specific drawing sheet #/specification page #_____)

Installation of Plastering Accessories

50. Has it been specified to comply with referenced lathing and furring installation standards for provision and location of plaster accessories of type indicated? Miter or cope accessories at corners; install with tight joints and in alignment. Attach accessories securely to plaster bases to hold accessories in place and in alignment during plastering. Install accessories of type indicated at following locations: (Specific drawing sheet #/specification page #_____)
51. Has it been clearly identified that no accessories are allowed at external corners of exterior work? (Specific drawing sheet #/specification page #_____)
52. Are casing beads called for at all terminations of plaster, unless otherwise indicated? (Specific drawing sheet #/specification page #_____)
53. Are control joints shown on the construction documents and/or specified to comply with the following criteria unless otherwise indicated by the A/E? (Specific drawing sheet #/specification page #_____)
- a. Where an expansion or contraction joint occurs in surface of construction directly behind plaster membrane.
 - b. Distance between Control Joints: Not to exceed 18 feet in either direction or a length- to-width ratio 2-1/2 to 1.
 - c. Horizontal Surfaces such as suspended ceilings (soffits), not more than 100 sq. ft. in area.
 - d. Where plaster panel sizes or dimensions change, is it specified to extend joints full width or height of plaster membrane.
 - e. Install prefabricated expansion joints of 2-piece design where shown as "Expansion Joint" (1/4 inch joint width for interior work, 3/8 inch for exterior).
 - f. Install channel screeds (reveals) where indicated. Where ends of channel sections meet, set in bead of sealant; set all splice plates in mastic.

Plastering Application

54. Has it been specified to apply plaster materials, composition, and mixes to comply with ASTM C 926 Plaster Application Standard? (Specific drawing sheet #/specification page # _____)
55. Is it prohibited to use materials that are caked, lumpy, dirty, or contaminated by foreign materials? (Specific drawing sheet #/specification page # _____)
56. Is it prohibited to use excessive water in mixing and applying plaster materials? (Specific drawing sheet #/specification page # _____)
57. Has it been specified that Flat Surface Tolerances shall not deviate more than plus or minus 1/8 inch in 10 feet from a true plane in finished plaster surfaces, as measured by a 10-foot straightedge placed at any location on surface? (Specific drawing sheet #/specification page # _____)
58. Has it been specified to grout hollow-metal frames, bases, and similar work occurring in plastered areas with base-coat plaster material, and before lathing? Except where full grouting is indicated or required for fire-resistance rating, grout at least 6 inches at each jamb anchor. (Specific drawing sheet #/specification page # _____)
59. Has it been specified to sequence plaster application with installation and protection of other work so that neither will be damaged by installation of other? (Specific drawing sheet #/specification page # _____)
60. Has it been specified to plaster flush with metal frames and other built-in metal items or accessories that act as a plaster ground, unless otherwise indicated? Where interior plaster is not terminated at metal frame by casing beads, cut base coat free from metal frame before plaster sets and groove finish coat at junctures with metal. (Specific drawing sheet #/specification page # _____)

Corners

61. Has the A/E required that internal corners and angles be square; the external corners are to be flush with corner beads on interior work, and square and true with plaster faces on exterior work (no corner beads permitted on exterior work)? (Specific drawing sheet #/specification page # _____)

Number of Coats and Thickness

62. Has it been specified to provide 3-coat work on metal lath bases as follows?
- | | <u>At vertical surfaces</u> | <u>At horizontal surfaces</u> |
|--------------------------------|-----------------------------|-------------------------------|
| 1 st (scratch) coat | 3/8 inch | 1/4 inch |
| 2 nd (brown) coat | 3/8 inch | 1/4 inch |
| 3 rd (finish) coat | <u>1/8 inch</u> | <u>1/8 inch</u> |
| Total (minimum) | 7/8 inch | 5/8 inch |
- (Specific drawing sheet #/specification page # _____)

63. Has it been specified to provide 2-coat work on masonry/concrete bases as follows?

	At vertical <u>unit masonry</u>	At vertical <u>concrete</u>	At horizontal <u>surfaces</u>
1 st (scratch/brown) coat	3/8 inch	1/4 inch	varies
2 nd (finish) coat	<u>1/8 inch</u>	<u>1/8 inch</u>	<u>varies</u>
Total	1/2 inch*	3/8 inch**	3/8 inch max.

* 1/2 inch minimum thickness is exclusive of texture (texture finish will increase thickness)

** Provide 1/2 inch total where unit masonry and concrete are in same plain on same wall.

(Specific drawing sheet #/specification page # _____)

64. Has the finish coat been specified to be applied with a hand-troweled textured finish matching Architect's sample?

(Specific drawing sheet #/specification page # _____)

65. Has it been specified to moist-cure plaster base and finish coats to comply with ASTM C 926, including written instructions for time between coats and curing in "Annex A2 Design Considerations"?

(Specific drawing sheet #/specification page # _____)

Cutting and Patching

66. Has it been specified to cut, patch, replace, repair, and point up plaster as necessary to accommodate other work, repair cracks and indented surfaces, point-up finish plaster surfaces around items that are built into or penetrate plaster surfaces, repair or replace work to eliminate blisters, buckles, check cracking, dry outs, efflorescence, excessive pinholes, and similar defects, and repair or replace work as necessary to comply with required visual effects?

(Specific drawing sheet #/specification page # _____)

Cleaning and Protecting

67. Has it been specified to remove temporary-covering and other provisions made to minimize spattering of plaster on other work and promptly remove plaster from door frames, windows, and other surfaces not to be plastered? Repair surfaces stained, marred or otherwise damaged during plastering work. When plastering work is completed, remove unused materials, containers, equipment, and plaster debris.

(Specific drawing sheet #/specification page # _____)

68. Has it been specified to provide final protection and maintain conditions in a manner acceptable to manufacturer and installer that ensure plaster work is without damage or deterioration at the time of Substantial Completion?

(Specific drawing sheet #/specification page # _____)

09250 – Gypsum Board

1. Has it been specified that all gypsum board shall be a minimum of 5/8 inches thick, type X?

(Specific drawing sheet #/specification page # _____)

- 2. Has it been specified to use cement board or cement plaster in high moisture areas in the following rooms adjacent to the fixtures or the entire room as appropriate: janitor closets, wet laboratory areas, restrooms, kitchens, showers, bathrooms and dishwashing areas?
(Specific drawing sheet #/specification page #_____)
- 3. Has it been specified and/or detailed that the wall/floor joint in janitor closets must be sealed to prevent water from getting into and under the wall?
(Specific drawing sheet #/specification page #_____)
- 4. Has it been specified that gypsum board should contain recycled or synthetic gypsum where available and that facing paper shall be manufactured from recycled newsprint, including post-consumer waste?
(Specific drawing sheet #/specification page #_____)
- 5. Has it been specified that joint compound shall have low VOC content?
(Specific drawing sheet #/specification page #_____)

09300 - Tile

- 1. Has the Architect/Engineer determined preferences for tile finishes from conferences with FAU's Facilities Planning Project Manager and users?
(Specific drawing sheet #/specification page #_____)
- 2. Is the current edition of "The Handbook for Ceramic Tile Installation," published by the Tile Council of America, listed as a reference guide for selecting design details and specification wording?
(Specific drawing sheet #/specification page #_____)
- 3. Has ceramic tile been considered/specified/scheduled for floors and walls or wainscots in toilet rooms as well as in some laboratories and utility rooms? Do toilet room floors have dark sealed grout? (Do not specify epoxy grout for toilet rooms.)
(Specific drawing sheet #/specification page #_____)

Shower Room Floors

- 4. Has this area been addressed specifically in the drawings and specifications to eliminate maintenance problems?
(Specific drawing sheet #/specification page #_____)
- 5. Has a 24-hour water test been required prior to placement of the finish flooring? (If leaks occur, another test should be required after repairs are made.)
(Specific drawing sheet #/specification page #_____)

Shower Room Walls

- 6. Ceramic tile on a masonry wall is insufficient to prevent water from permeating a shower room wall. Has parging or painting the back of the wall and providing a through-wall flashing near the base been specified as a means of conducting the water back to the shower room floor?
(Specific drawing sheet #/specification page #_____)

09510 - Acoustical Ceilings

1. Extreme care must be taken to choose the correct acoustic units. Do not specify exotic patterns, etc. Have only standard patterns been specified that will be available for many years in the future?
(Specific drawing sheet #/specification page # _____)
2. Has it been specified that the Contractor cannot accept discontinued acoustic units, since matching replacements is impossible?
(Specific drawing sheet #/specification page # _____)
3. Has it been specified that all acoustical ceiling materials shall meet flame-spread rating requirements of NFPA 101 and the Florida Building Code for interior finish according to occupancy classification?
(Specific drawing sheet #/specification page # _____)
4. To avoid misunderstandings, have acoustical ceilings been specified, not only by noise reduction coefficient, but also by tile thickness?
(Specific drawing sheet #/specification page # _____)
5. Has a mechanical suspension been specified? (Poor results have been experienced for the newly developed "wonder" adhesives.)
(Specific drawing sheet #/specification page # _____)
6. Has a ceiling system other than acoustical tile been specified in student housing? (Acoustic tile is a poor material to use in student housing because of vandalism and is not approved for use.)
(Specific drawing sheet #/specification page # _____)
7. Where exposed grid systems are specified, a reflected ceiling plan is required on the drawings. Has it been shown and has proper provision been specified for construction tolerances regarding plumbness, dimensions and locations, particularly where exposed masonry and concrete is used?
(Specific drawing sheet #/specification page # _____)
8. Has it been specified that the buildings must be dried by heat or other means prior to installation to control humidity?
(Specific drawing sheet #/specification page # _____)

09650 - Resilient Flooring

1. Has it been specified that no product shall contain asbestos?
(Specific drawing sheet #/specification page # _____)
2. Have low VOC adhesives been specified?
(Specific drawing sheet #/specification page # _____)
3. Has extra stock been specified to be supplied as follows, packaged in protective covering and clearly labeled?
 - a. Floor tile: One (1) box for every 60 boxes or fraction thereof, of each type, color and pattern installed.
 - b. Resilient wall base and accessories: Not less than 10 linear feet for every 600 linear feet or fraction thereof, of each type, color, pattern and size installed.
 (Specific drawing sheet #/specification page # _____)

09680 - Carpeting

- 1. Has it been specified that carpets may be subject to testing by an independent laboratory to determine that the minimum specifications have been met if the A/E thinks testing is desirable? Cost of testing shall be borne by the Owner if the carpet meets the specifications; if not, the cost is to be borne by the Contractor.
(Specific drawing sheet #/specification page # _____)
- 2. Has it been specified that the carpet supplier must furnish carpet care and maintenance instructions bound in a substantial looseleaf binder?
(Specific drawing sheet #/specification page # _____)
- 3. Have reducers and other transitions been specified to comply with Florida Building Code and ADA requirements and manufacturer's recommendations where carpet abuts other materials?
(Specific drawing sheet #/specification page # _____)

FAU Standard Carpet Specifications

- 4. These specifications are for a medium quality carpet for general use; has a higher quality carpet been specified for heavy use areas and for special services?
(Specific drawing sheet #/specification page # _____)
- 5. Has the following FAU-Standard carpet, or approved equal, been specified?
(Carpet manufacturers often update/modify/delete carpet lines; the A/E must verify the minimum performance criteria is specified and met and include comparable currently-manufactured carpet in the project specifications.)
(Specific drawing sheet #/specification page # _____)
 - a. Usage: Offices, Classrooms, Common Areas
 - b. Description: Patterned or textured loop pile w/ lifetime antimicrobial
 - c. Gauge: 1/10 Min.
 - d. Stitch Rate: 10 Min. per inch
 - e. Pile Height: .090 - .187 inch
 - f. Fiber: Advanced generation continuous filament nylon w/static control 3 or 4 ply.
 - g. Dye Method: Solution Dyed
 - h. Tufted Yarn Weight: 26 oz. Min. (Broadloom) or 18oz. carpet tile
 - i. Primary Backing: Non-woven
 - j. Pile Density: Minimum 5,500 oz/yd³
 - k. Fire Rating: Class I
 - l. Standards:
Shaw "Parallels II" (with Eco*Worx)
Cambridge "Fiesta" GFST or GTFST tile with polypropylene backing interface FLOR cubic 50cm tile.

- 6. Is the specified carpet better quality than the FAU Standard listed above?
(Specific drawing sheet #/specification page # _____)
- 7. FAU prefers that stairways are not carpeted; that a more durable floor covering is used. Has the A/E followed this guideline?
(Specific drawing sheet #/specification page # _____)
- 8. Has it been specified that the Contractor shall inspect floor construction and surfaces to receive carpeting and this inspection must cover and identify all defects in the floor which affect this Work?
(Specific drawing sheet #/specification page # _____)

- 9. Has it been specified that the Contractor is responsible for the accuracy of measurement and fit of this Work and the Contractor is also responsible for preparing existing hard floor for carpet?
(Specific drawing sheet #/specification page #_____)
- 10. Does the specification require that the Work shall be done only by skilled workers fully experienced in this type of Work?
(Specific drawing sheet #/specification page #_____)
- 11. Does the specification require that floor areas to receive carpet shall be smooth, broom clean, and dry prior to installation of carpeting?
(Specific drawing sheet #/specification page #_____)
- 12. Has it been specified that the carpet shall be installed wall to wall, using continuous lengths and widths as broad as possible, minimizing the placement of seams in traffic lanes and cut edges shall be trued and appropriately treated to form invisible and non-raveling joints where exposed?
(Specific drawing sheet #/specification page #_____)
- 13. Has it been specified that the carpet shall be installed in accordance with manufacturer's recommendations for seaming technique and for proper amount of stretch in width and length?
(Specific drawing sheet #/specification page #_____)
- 14. Has it been specified that installed carpet shall be free of spots, dirt or soil, and shall be without tears, frayed or pulled tufts?
(Specific drawing sheet #/specification page #_____)
- 15. Has it been specified that the Contractor shall apply appropriate covering over carpeted areas until acceptance, and that upon acceptance the Contractor shall remove all debris and the protective covering?
(Specific drawing sheet #/specification page #_____)
- 16. Has extra carpet been specified to be supplied, packaged in protective coverings and clearly identified, in full-width rolls equal to five (5) percent of the amount installed for each type installed, but not less than ten (10) square yards?
(Specific drawing sheet #/specification page #_____)

09900 - Painting

- 1. Has it been specified to require undercoats to have slightly different tints, and to be inspected and approved by the A/E prior to application of the next coat?
(Specific drawing sheet #/specification page #_____)
- 2. Has the total thickness of paint by "dry mil" or "wet mil" thickness (according to which is recommended by the paint manufacturer) been specified for each application? (Number of coats is not adequate.)
(Specific drawing sheet #/specification page #_____)
- 3. Have substrate preparation requirements been clearly described?
(Specific drawing sheet #/specification page #_____)
- 4. Have door frames in masonry walls been specified to be back painted prior to installation?
(Specific drawing sheet #/specification page #_____)

Exterior Waterproofing for Brick and Stonework

- 5. Has this section been correlated with Section 04500 -Masonry Cleaning/Exterior Waterproofing?
(Specific drawing sheet #/specification page # _____)
- 6. Has the use of a clear silicone waterproofing or approved alternative been specified on the exterior of all brick and stone buildings? A 3% silicone is considered adequate for most brick and stone; for limestone 5% silicone is desirable. Products which have been used and found acceptable are: Florida Laboratories Chemclear 30 and Sonneborn-Hydrocide S-X.
(Specific drawing sheet #/specification page # _____)
- 7. Has a clear silicone solution containing a minimum of 3-5% silicone resin solids in a hydrocarbon solvent conforming to formulation and performance standard of Federal Specifications SS-W-OO11O (G.S.A.) been specified? Container label shall certify that it meets above requirements. Where an interior paint is used on masonry or concrete surfaces, no silicone waterproofing is desired.
(Specific drawing sheet #/specification page # _____)

Official FAU Colors

- 8. Where official FAU colors, logos, etc., are to be used on a project, has the FAU Visual Standards Manual been followed? It is available through the FAU Communications & Marketing Dept., Creative Services, website at: (<http://wise.fau.edu/communications/publications/files/VSMannual.pdf>)
(Specific drawing sheet #/specification page # _____)
- 9. If the design calls for the use of official FAU colors, have they been specified? The following descriptions are from the FAU Visual Standards Manual and should be verified by the A/E. Paints will need to be matched to the Pantone colors listed.
(Specific drawing sheet #/specification page # _____)
 - a. Primary Identity Colors:
FAU Blue - Pantone 295; CMYK: 100C – 83M – 34Y 40K; Web/RGB Safe: 0R - 45G -98B.
FAU Red - Pantone 200; CMYK: 20C – 100M – 81Y – 10K; Web/ RGB Safe: 193R – 4G – 53B.
 - b. Secondary Identity Colors:
FAU Silver – Pantone 877, No CMYK; No Web/RGB Safe.
FAU Gray – Pantone 428; CMYK: 23C – 16M – 14Y – 0K; Web/RGB Safe: 195R – 200G -205B.

- 10. Has the official FAU seal been used in any fashion in this Project? Its use is restricted as described in the FAU Visual Standards Manual and it may not be used without specific written authorization. The FAU seal and the FAU logo are separate design items; refer to the FAU Visual Standards Guide for descriptions.
(Specific drawing sheet #/specification page # _____)

Standard Interior Paint Schemes

- 11. Have the following FAU - standard interior paint colors and finishes been specified? Paint colors listed for color matching are from Sherwin Williams Color Specifier Color Selector; A/E shall specify paint manufacturers and grades appropriate for the intended use. Flat wall paint is not to be specified. (These color scheme options are not mandatory; but they have proved to be maintainable combinations.)
(Specific drawing sheet #/specification page # _____)

a. Color Scheme 1

Walls (eggshell or satin finish) - Dover White #SW6385 (creamy white)
 Doors & Frames (gloss finish) - Passive #SW7064 (light gray)

b. Color Scheme 2

Walls (eggshell or satin finish) - Extra White #SW7006 (white white)
 Doors & Frames (gloss finish) – Passive #SW7064 (light gray)

c. Color Scheme 3

Walls (eggshell or satin finish) - Snowfall #SW6000 (grayish white)
 Doors & Frames (gloss finish) - Passive #SW7064 (light gray)

Standard Exterior Paint Colors

12. Have the following FAU - standard exterior paint colors been specified for work on the FAU Boca Raton Campus? Exterior paint colors on other FAU campuses should be selected to match or complement the existing FAU buildings and those of partner institutions. The paint color codes listed are from Sherwin Williams Color Answers Color Selector; A/E shall specify paint manufacturers and grades appropriate for the intended use. □ □ □
 (Specific drawing sheet #/specification page #_____)

Buildings may incorporate a maximum of three (3) colors from the approved primary and secondary color palettes listed below. Primary colors should compliment adjacent buildings and show a relationship to the surrounding areas. Accent and trim colors are to highlight unique architectural features on the building. Rendered elevations, incorporating the proposed colors and identifying relationship to adjacent buildings, are to be submitted to the FAU Office of the University Architect for review and approval.

Basic criteria for selection and application of exterior building colors include:

- a. Relationship to surrounding buildings
- b. Buildings' use and function
- c. Maintenance Impact Consideration

Primary building neutral colors

- 1. Dover White #SW6385
- 2. Netsuke #SW6134
- 3. Townhall Tan #SW7690
- 4. Avenue Tan #SW7543
- 5. Harmonic Tan #SW6136
- 6. Towny Tan #SW7713

Secondary building accent and trim colors

- 1. Stamped Concrete #SW7655
- 2. Backed Clay #Dapper Tan #S6144
- 3. Birdseye Maple #SW2834
- 4. Artichoke #SW6179
- 5. Sanderling #SW7513

End of Division 9 – Finishes.