



April 22, 2016

Mr. Edwin Sanchez
COLLIER COUNTY GOVERNMENT
GROWTH MANAGEMENT DIVISION / PLANNING AND REGULATION
2800 N. Horseshoe Drive, Naples FL 34104 * Phone (239) 252-2400

Re: MILANO LAKES APTS.

JOB SITE ADDRESS: 3771 The Lords WAY, Unit: BLDGS 1, 2, 3, 4, 5, 6, 7 & 8

Dear Mr. Sanchez:

Per your request for further information regarding the plans for the above-referenced project, please be advised,

1. Needs a detail or cut sheet on 1hr rated storage lockers.
Response: *The storage lockers are not pre-fabricated lockers. They're one-hour rated walls (Detail 2, Sheet A3.2) with 20-minute rated doors (Door Schedule on Sheet A3.1 for Building / Common Areas)*
2. Doors must be self closing of storage. You can just do a quick letter.
Response: *Automatic closers for storage lockers are specified in the Door Hardware Schedule, Hardware Set #5, on Sheet A3.1.*
3. Needs a U905 for the CMU pre-cast floors. I guess you made a reference to an equivalency and he says the County cannot accept that.
Response: *Fire rating for precast floors is based on Table 722.2.1.1 of the Florida Building Code, 2014 Edition. Also, per product manufacturer, the precast floors meet the requirements of UL Design J931, J932 and J956, which exceed the rating requirements for this project. A copy of UL Design J931 is attached herewith for your reference.*

Should you have any questions, please do not hesitate to contact our office.

Sincerely,



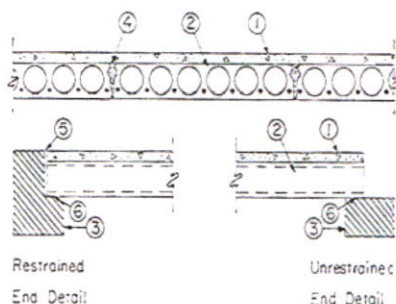
Carlos Cardet
Project Manager
Sheeley Architects, Inc.

Design No. J931

Restrained Assembly Ratings — 2 and 3 Hr.

Unrestrained Assembly Rating — 1 1/2 Hr.

Load Restricted for Canadian Applications — See Guide BXUV7



1. **Concrete Topping** — 3000 psi compressive strength, 110 to 153 pcf unit weight. Normal weight aggregate.

Rating Hr	Min Thkns In.
1 1/2	0
2	0
3	1

- 1A. **Floor Topping Mixture*** — (Alternate to concrete topping) — 8 gal max water to 80 lbs. min of floor topping mixture to 220 lbs. max of sand. Compressive strength to be 1000 psi. Min thickness to be 1/2 in. min for 3 hr rating.

HACKER INDUSTRIES INC — Firm-Fill Gypsum Concrete, Firm-Fill 2010, Firm-Fill 4010, Firm-Fill High Strength, Gyp-Span Radiant and Firm-Fill 3310.

Floor Mat Materials* — (Optional) — Floor mat material nom 6 mm thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min 1 in. of floor-topping mixture.

HACKER INDUSTRIES INC — Type Hacker Sound-Mat.

Alternate Floor Mat Materials* — (Optional) — Floor mat material nom 10 mm thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min 1-1/2 in. of floor-topping mixture.

HACKER INDUSTRIES INC — Type Hacker Sound-Mat II.

Alternate Floor Mat Materials* — (Optional) — Floor mat material nom 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a min of 1 in.

HACKER INDUSTRIES INC — Type Quiet Curl 55/025

Alternate Floor Mat Materials* — (Optional) — Floor mat material nom 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a min of 1-1/2 in.

HACKER INDUSTRIES INC — Type Quiet Curl 60/040

Metal Lath (Optional) — For use with 3/8 in. or 10 mm floor mat materials, 3/8 in. expanded steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material. Hacker Floor Primer to be applied prior to the placement of the metal lath. When metal lath is used, floor topping thickness a nom 1-1/4 in. over the floor mat.

- 1B. **Finish Flooring — Floor Topping Mixture*** — 4 to 7 gal of water mixed with 80 lbs of floor topping mixture and 1.4 to 1.9 cu ft of sand. Compressive strength to be 1200 psi min. Min thickness to be 3/4 in.

RAPID FLOOR SYSTEMS — Type RF, RFP, RFU, RFR, Orcrete

Floor Mat Materials* (Optional) — Floor mat material nom 1/4 in. thick loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. Floor topping thickness a min 1 in. over the floor mat.

MAXXON CORP — Type Acousti-Mat II.

Alternate Floor Mat Materials* — (Optional) — Nom 0.8 in. thick floor mat material loose laid over the subfloor with Crack Suppression Mat (CSM) loose laid over the floor mat material. Floor topping mixture shall be min 1-1/2 in.

MAXXON CORP — Type Acousti-Mat 3, Crack Suppression Mat (CSM)

Metal Lath (Alternate to Crack Suppression Mat (CSM)) — 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd loose laid over the floor mat material. Floor topping mixture shall be min 1-1/2 in.

Alternate Floor Mat Materials* — (Optional) — Nom 0.4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. Floor topping mixture shall be min 1-1/2 in.

MAXXON CORP — Type Enkasonic 9110

Metal Lath (Optional) — For use with floor mat materials, 3/8 in.

expanded galvanized steel diamond mesh, 3.4 lbs/sq yd or Maxxon Corp. UL Classified Crack Suppression Mat (CSM) loose laid over the floor mat material. Floor topping mixture shall be min 1 in.

MAXXON CORP — Type Crack Suppression Mat (CSM)

- 1C. **Finish Flooring-Floor Topping Mixture*** — 3 to 7 gal of water mixed with 80 lbs of floor topping mixture and 1.0 to 2.1 cu ft of sand. Compressive strength to be 1000 psi min. Min thickness to be 3/4 in.

MAXXON CORP — Type D-C, GC, GC 2000, L-R, I-E, C1

Floor Mat Materials* (Optional) — Floor mat material nom 1/4 in. thick loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. Floor topping thickness a min 1 in. over the floor mat.

MAXXON CORP — Type Acousti-Mat II.

Alternate Floor Mat Materials* — (Optional) — Nom 0.8 in. thick floor mat material loose laid over the subfloor with Crack Suppression Mat (CSM) loose laid over the floor mat material. Floor topping mixture shall be min 1-1/2 in.

MAXXON CORP — Type Acousti-Mat 3, Crack Suppression Mat (CSM)

Metal Lath (Alternate to Crack Suppression Mat (CSM)) — 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd loose laid over the floor mat material. Floor topping mixture shall be min 1-1/2 in.

Alternate Floor Mat Materials* — (Optional) — Nom 0.4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. Floor topping mixture shall be min 1-1/2 in.

MAXXON CORP — Type Enkasonic 9110

Metal Lath (Optional) — For use with floor mat materials, 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd or Maxxon Corp. UL Classified Crack Suppression Mat (CSM) loose laid over the floor mat material. Floor topping mixture shall be min 1 in.

MAXXON CORP — Type Crack Suppression Mat (CSM)

- 1D. **Alternate Floor Topping Mixture*** — Compressive strength to be 1500 psi min. Min thickness to be 1/2 in. Refer to manufacturer's instructions accompanying the material for specific mix design.

UNITED STATES GYPSUM CO — Levelrock 2500, Levelrock RH

Floor Mat Materials* — (Optional) — Floor mat material nom 0.4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat.

UNITED STATES GYPSUM CO — Levelrock Brand Sound Reduction Mat

Alternate Floor Mat Materials* — (Optional) — Floor mat material ranging from 3/8 in. to 3/4 in. thick loose laid over the subfloor. Floor topping thickness a min 1/2 in. over the floor mat.

UNITED STATES GYPSUM CO — Levelrock Brand Sound Reduction Board

Alternate Floor Mat Materials* — (Optional) — Floor mat material nom 1/4 in. thick loose laid over the subfloor. Floor topping thickness a min 1/2 in. over the floor mat.

UNITED STATES GYPSUM CO — Levelrock Brand Floor Underlayment SRM-25

Alternate Floor Mat Materials* — (Optional) — Floor mat material nom 3/8 in. thick loose laid over the subfloor. Floor topping thickness a min 1/2 in. over the floor mat.

SOLUTIA INC — Type SC50

- 1E. **Alternate Floor Topping Mixture*** — Compressive strength to be 2100 psi min. Min thickness to be 1/2 in. Refer to manufacturer's instructions accompanying the material for specific mix design.

UNITED STATES GYPSUM CO — Levelrock 3500, Levelrock Commercial RH

Floor Mat Materials* — (Optional) — Floor mat material nom 0.4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat.

UNITED STATES GYPSUM CO — Levelrock Brand Sound Reduction Mat

Alternate Floor Mat Materials* — (Optional) — Floor mat material ranging from 3/8 in. to 3/4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat.

UNITED STATES GYPSUM CO — Levelrock Brand Sound Reduction Board

Alternate Floor Mat Materials* — (Optional) — Floor mat material nom 1/4 in. thick loose laid over the subfloor. Floor topping thickness a min 1/2 in. over the floor mat.

UNITED STATES GYPSUM CO — Levelrock Brand Floor Underlayment SRM-25

Alternate Floor Mat Materials* — (Optional) — Floor mat material nom 3/8 in. thick loose laid over the subfloor. Floor topping thickness a min 1/2 in. over the floor mat.

SOLUTIA INC — Type SC50

- 1F. **Alternate Floor Topping Mixture*** — Compressive strength to be 3000

FIRE RESISTANCE RATINGS - ANSI/UL 263 (BXUV)

psi min. Min thickness to be 1/2 in. Refer to manufacturer's instructions accompanying the material for specific mix design.

UNITED STATES GYPSUM CO — Levelrock 4500

Floor Mat Materials* — (Optional) - Floor mat material nom 0.4 in. thick loose laid over the subfloor. Floor topping thickness a min 1 in. over the floor mat.

UNITED STATES GYPSUM CO — Levelrock Brand Sound Reduction Mat

Alternate Floor Mat Materials* — (Optional) - Floor mat material ranging from 3/8 in. to 3/4 in. thick loose laid over the subfloor. Floor topping thickness a min 1/2 in. over the floor mat.

UNITED STATES GYPSUM CO — Levelrock Brand Sound Reduction Board

Alternate Floor Mat Materials* — (Optional) - Floor mat material nom 1/4 in. thick loose laid over the subfloor. Floor topping thickness a min 1/2 in. over the floor mat.

UNITED STATES GYPSUM CO — Levelrock Brand Floor Underlayment SRM-25

Alternate Floor Mat Materials* — (Optional) - Floor mat material nom 3/8 in. thick loose laid over the subfloor. Floor topping thickness a min 1/2 in. over the floor mat.

SOLUTIA INC — Type SC50

- 1G. **Alternate Floor Topping Mixture*** — Compressive strength to be 100 psi min. Thickness to be 3/4 in. min. Refer to manufacturer's instructions accompanying the material for specific mix design.

ALLIED CUSTOM GYPSUM PLASTERWORKS LLC — Accu-Crete

- 1H. **Alternate Floor Topping Mixture*** — Compressive strength to be 210 psi min. Thickness to be 3/4 in. min. Refer to manufacturer's instructions accompanying the material for specific mix design.

MAXIT INC — Maxit 493

2. **Precast Concrete Units*** — Nom 8, 10, 12 or 14 in. thick units. Normal weight aggregate. Cross section similar to the above illustration.

BOCCELLA PRECAST L L C

HOLLOWCORE INC

PITTSBURGH FLEXICORE CO INC

PRESTRESSED SLABS INC

STRESS CORE INC

3. **End Details** — Restrained and unrestrained.

4. **Joint** — Clearance between slabs at bottom, full length, 1/16 in. min. 5/16 in. max, grouted full length with sand-cement grout (3500 psi min compressive strength) to a max depth of 4 1/2 in. This depth may be maintained by placing a compressible material in the bottom of the joint before applying grout.

Note: — A 3/4-in. lateral expansion joint to be provided the full length and depth of the slabs every 14 ft. Expansion should be obtained with noncombustible, compressible material, for example, 24 sheets of 1/16 thick ceramic fiber paper (total thickness equals 1-1/2 in.).

5. **End Clearance** — Clearance for expansion at each end of slabs shall equal to (3/16 + or - 1/16 in.) L/17 in., where "L" is equal to length of span in feet.

6. **Min Bearing** — 1-1/2 in.

*Bearing the UL Classification Mark