

Finish Flooring —1 by 4 in., T&G; laid perpendicular to joists, or 19/23; in. plywood wood structural panels, min grade "underlayment". Face grain of plywood to be perpendicular to joists with joints staggered. (Existing to be determined VIF)

Building Paper —Commercial rosin—sized, 0.010 in. thick.

3. Subflooring — Min 23/32 in. thick T&G wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain or plywood or strength axis of panels to be perpendicular to the trusses with end plants staggered 4 ft. Panels secured to trusses with construction achesis and the staggered 4 ft. Panels secured to passes with construction achesis and the staggered 12 in. Oc along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Cross Bridging -1 by 3 in.

5. Wood Joists -2 by 10 in., spaced 16 in. OC, firestopped. (Existing to be determined VIF)

Existing wood lathe and plaster (VIF) or 5/8" thick gypsum sliboard (VIF). Fill all holes and gaps with solid plaster or 2HR fire sating. Typical

7. Wood Hanger Block — 2 by 4 in., installed between and perpendicular to wood joists. Located to support duct suspension straps and hanger wire 1-1/2 in. below subflooring at sides of light fixtures wherever duct straps and hanger wires are located between wood joists

8. Betts and Blankets\* —Nom 24 in wide roll by 6 in thick glass fiber insulction, installed on top of suspension system with long dimension perpendicular to cross tees. Sides of unfolled botts are butted together while the ends overlap approx 6 to 12 in. . Hanger Wire Clip —No. 20MSG (min. 0.034 in, thick) galv steel wo-hole pipe strap for ½ in electrical thin wall conduit. Oriented loganally to the upper steel framing members and screws trached to the flange of steel framing members through wallboard its steel screws.

Alternate Hanger Wire Clip — Made of 0.034 in, thick galv steel, 5/8 in, wide by 2-11/16 in, overall length, with center section formed down 1/2 in, to allow passage of hanger wire.

Oriented diagonally to the upper steel framing members and screw-attached to the flange of the steel framing members through wallboard with steel screws (Item 11). Clip locations to coincide with hanger wires (Item 6) supporting the upper steel framing members.

Screw, Sheet Metal — (Not shown) —No. 10 pan head self-tapping sheet metal steel screw,
 Type A, 1-1/4 in. long.

15. Steel Framing Members\* — The steel framing members are provided with either steel or aluminum caps on the exposed flange, depending upon the steel framing member type. When aluminum capped members are used, additional hanger wires are required along main runners (in addition to those required under item 9) spaced 24 in OC i.e., one wire at each intersection of main runners and cross tees. Main runners nom 12 ft long, spaced 48 in OC. Cross tees nom 4 ft long installed perpendicular to main runners and spaced 24 in OC. When nom 1 by 4 ft light fixtures are used, additional 4 ft long cross tees installed along length centerline of 2 by 4 ft grid modules; a field-cut nom 12 by 48 in light fixtures and air terminal units are used, additional 4 ft long cross tees are installed. The stalled procedules when nom 20 by 48 in light fixtures and air terminal units are used, additional 4 ft long cross tees are installed. The end tobs of the 4 ft long cross tees feeld-punched routes in the web of each main runner. The field-punched routes in the web of each main runner. The field-punched routes must be identical to fractory-punched routes and provided by the steel framing member manufacturer — For 24 by 48 in loy-in ponels.

16. Acoustical Material —Nom 24 by 48 in. by 5/8 in thick lay—in panels. Border panels supported at walls by min 0.016 in. thick painted steel angle with 7/8 in. legs or min. 0.016 in. thick pointed steel channel with a 1 by 1-9/16 by ½ in. profile. [Armstrong Cortega square lay in fire resistive panels ASTM E64 surface burning characteristics, ASTM E1264 classification, Type III, Form 2, Pattern C D. Flame Spread index 25 or less

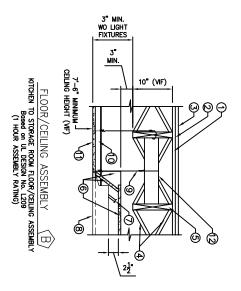
See Drawing A1 for General Notes, especially note 22 regarding existing interior wall and ceiling surface patching and sealing requirements.

## CEILING **TYPES**

1. ALL HOLES, GAPS AND PENETRATIONS IN CEILINGS AND WALLS SHALL BE SEALED WITH 3M FIRE BARRIER SEALANT 150+ (MIN. 2 HOUR RATED) INCLUDING PEX PIPING CHASES.

2. ALL EXISTING WOOD/METAL LATHE AND PLASTER SURFACES ON FIRE RATED WALLS AND CELLINGS SHALL BE PATCHED, OPENINGS & HOLES FILLED AND ALL PENETRATIONS SHALL BE SEALED WITH FIRE RATED SEALANT (SEE NOTE 1) TYP.

3. CONTRACTOR SHALL CONFIRM ESISTING CELLING STRUCTURE IS CAPABLE OF SUSTAINING ADDITIONAL WEIGHT OF CELLING MATERALS AS DESCRIBED, CONSULTATION WITH PROFESSIONAL STRUCTURAL ENGINEER (NOT IN MY CONTRACT) MAY BE NECESSARY TO VERIFY STRUCTURAL STABILITY.



1 Finish Flooring —1 by 4 in., T&G: lad perpendicular to joists, or 19/32 in., plywood wood structural panels, min grade "underlayment". Face grain of plywood to be perpendicular to joists with joints staggered. (Existing 1X4-VIF)

4. Cross Bridging -1 by 3 in.

5. Wood Joists -2 by 10 in., space 16 in. OC, firestopped.

6. Fixture Protection —Acoustical Material\* —1/2 in. thick, cut into pieces to form a 5 sided enclosure, trapezoidal in cross—section, approx 1/2 in. longer and wider than the fixture with sufficient depth of provide at least 2–1/2 in. clearance between the top of the fixture and the enclosure. The pieces are held together by 6d nails spaced 12 in. OC min. (S)=Surface Perforations.

9. Hanger Wire —Galv steel 12 SWG min diam. Spaced not more than 48 in. OC diang main runners, adjacent to intersections of main runners and cross tees. Additional hanger wires required at all four corners of light fixtures, at midspan of cross tees adjacent to light fixtures, at midspan of cross tees adjacent to light fixtures, at midspan in runner splice locations. Hanger wire supported from 8d common nails located 1–1/2 in. below

10. Steel Framing Members\* —Main r spaced 4 ft OC. Cross tees nom 4 ft main runners and spaced 2 ft OC. (*b* runner tees nom 12 ft long, ft long, installed perpendicular to Armstrong prelude XL Fire Guard notched expansion rellef)

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12. Wood Hanger Block — 2 by 4 in., installed between and perpendicular to wood joists. Located to support duct suspension straps and hanger wire 1-1/2 in. below subflooring at sides of light fixtures wherever duct straps and hanger wires are located between wood joists

KITCHEN TO STORAGE ROOM FL Based on UL DESIGN (1 HOUR ASSEMBLY

Building Paper —Commercial rosi 0.010 in. thick.

3. Subflooring —Min 23/32 in, thick T&G wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with end joints straggered. 4 ft. Panels secured to trusses with construction achesive and No. 6d ringed shank nalls spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails. (Existing 1X8-VIF)

7. Flexible Steel Conduit —(Bearing the UL Listing Mark).

8. Fixtures, Recessed Light — (Bearing the UL Listing Mark). Fluorescent lamp type, steel housing, 2 by 4 ft size. Fixtures spaced so their area does not exceed 16 sq ft per 100 sq ft of ceiling area. Wired in conformance with the National Electrical Code. Fixtures and ballasts must be considered for these ambient temperature conditions before installation.

11. Acoustical Material\* — lay-in panels. Border pieces supported by min 0.016 in, thick (26 MSC) pointed steel angle with 1 in, legs; or min 0.016 in, thick (26 MSC) painted steel channel, 1–5/8 in, deep with 1 in, bottom flange and 3/4 in, top flange. Acoustical material hald securely on steel framing members by means of hold-down clips, 1/4 in, wide, formed of 24 MSG spring steel and spaced 2 ft 0.C. along cross tees. (5)=Surface Perforations. [Amstrong Cortega square lay in fire resistive panels ASTM E84 surface burning characteristics, ASTM E164 classification, Type III, Form 2, Pattern C b. Flame Spread Index 25 or less oped index 50 or less (UL labeled) ]

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CEILING



