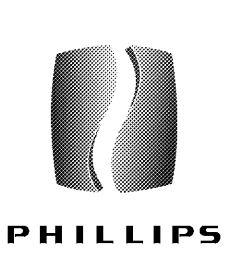


Order Plans

Design No. L501
Unrated/Not Assembly Rating - 1 in.
Finish Rating - (See Items 3 and 5A)
This design was evaluated using a load design method other than the Limit State Design Method (e.g., Working Stress Design Method). Jurisdictions employing the Limit State Design Method in Canada, a load restriction factor shall be used - See Code Allowance - R2022.
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

System No. 1
Flooring Systems - The flooring system shall consist of one of the following:
Subflooring - Min 2 in 8 x 7/8 G lumber fastened diagonally to joists, or min 15/32 in. thick plywood or min 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
Vapor Barrier - (Optional) - Nom 0.030 in. thick commercial asphalt saturated felt.
System No. 2
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 3
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 4
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 5
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 6
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 7
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 8
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 9
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 10
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 11
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 12
Subflooring - 15/32 or 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 13
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 14
Subflooring - Min 15/32 in. thick 7/8 G wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 15
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 16
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 17
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
System No. 18
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

System No. 18
Subflooring - Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

System No. 19
Subflooring - Min 1 1/2 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick plywood or min 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
WALFLOOR INDUSTRIES INC - Type Acousti-Floor, Acousti-Floor CSH. Floor topping thickness depends on products used as follows:
Acousti-Floor (1/8 in. thick) - Floor topping thickness shall be a minimum of 3/4 in.
Acousti-Floor (3/4 in. thick) - Floor topping thickness shall be a minimum of 1 in.
Acousti-Floor (3/8 in. thick) - Floor topping thickness shall be a minimum of 3/4 in.
Acousti-Floor (3/4 in. thick) - Floor topping thickness shall be a minimum of 1-1/2 in.
Metal Lath - (Optional) - Expanded steel diamond mesh, 2.5 lb / sq yd loose laid over floor mat material.
Fiberglass Mesh Reinforcement - (Optional) - Coated non-woven glass fiber mesh grid loose laid over floor mat material.
System No. 20
Subflooring - Min 1 1/2 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick plywood or min 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.
Finish Flooring - Floor Topping Mixture - Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
SIRKA DEUTSCHLAND GMBH - Type SCHONOK MIX PLUS DMU
2. Wood Joists - Min 2 by 10, spaced 16 in. OC and effectively fireblocked in accordance with Table 1.
3. Cross Bridging - Min 1 by 6 in. or min 2 by 10 solid blocking.
3A. Horizontal Bridging - Used in lieu of Item 3 in same joist bay as ceiling damper (Item 4), when ceiling damper cannot be installed in a joist bay. Max. height of damper shall be 1/8 in. below ceiling finish.
4. Ceiling Damper - (Optional) - Max. net area shall be 195 sq. in. Max. height shall be 1/8 in. above ceiling finish. Max. height of damper shall be 1/8 in. Aggreg. depth of openings shall not exceed 99 in. per 100 sq. ft. of ceiling area. Damper installed in accordance with the manufacturer's installation instructions.
A steel grille (Item 7) shall be installed in accordance with installation instructions.
AIR BALANCE INC - Type 299 (See Item 5A)
AIR KING VENTILATION PRODUCTS - Series FRAS, Series FRAM, Series FRAMV
CENTRAL VENTILATION PRODUCTS CO INC - Models S/R/H-C/L, C-RD-H-C/A)
GREENHECK FAN - Models G/L, G/SL
METAL-FABRIC - Models S/C/H, F/R/CHC
METALINDUSTRIES INC - Models CD-S/R-HC, CD-S/R-HC/A, CD-RD-HC, CD-RD-HC/A
NECA SULLIVAN AIR TECHNOLOGY - Model C-S/R-HC
NCA HFC INC - Models CD-S/R-HC, CD-S/R-HC/A, CD-RD-HC, CD-RD-HC/A
BRISK HFC INC - Model EMS-50-CRD-S/R-WT
PRICE INDUSTRIES LTD - Models CD-S/R-HC, CD-RD-HC
RUSKIN COMPANY - Model CF7
UNTED EMERTECH CORP - Models C-S/R-HC-A), C-RD-HC-A)
5. Gypsum Board - (Finish Rating - 30 minutes unless otherwise noted) - Min 5/8 in. thick, 48 in. wide gypsum board, installed with long dimension perpendicular to joists. Gypsum board secured with 1-7/8 in. long, 6d cement coated nails spaced 6 in. OC.
ACADIA DRYWALL SUPPLIES LTD - Type X, 5/8 Type X, Type Blueglass Exterior Sheathing
AMERICAN GYPSUM CO - Types HGX-1, AG-C, LghtRtc
BELTINE NEW BUILDING MATERIALS PUBLIC LTD CO - Type DBX-1
CERTAINTED GYPSUM INC - Types FRFC, SF3, Type C, Type X, Type X-1
CGC INC - Types C, IP-X1, IP-X2, IPCAN, SCK, WRX
CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C - Type LGCPSA, LGCPC/A
GEORGIA-PACIFIC GYPSUM L L C - Types S, B, C, GFS1, GFS3A, DA, DAD, DAK, DGG, DS, Type X, Veneer Flaster Base-Type X, Water Retard-Type X, Sheathing-Type X, S/R-Type X, TG-C, GreenGloss Type X, Type LWX (Finish rating 22 min), Veneer Flaster Base-Type LWX (Finish rating 22 min), Water Retard-Type LWX (Finish rating 22 min), Sheathing-Type LWX (Finish rating 22 min), Sheathing-Type LWX (Finish rating 22 min), Type LWX (Finish rating 22 min), Type LWX (Finish rating 22 min), Veneer Flaster Base-Type LWX (Finish rating 20 min), Water Retard-Type LWX (Finish rating 20 min), Sheathing-Type LWX (Finish rating 20 min), Sheathing-Type LWX (Finish rating 20 min)
NATIONAL GYPSUM CO - #P-C, PSK-C, FSK-C, G/L, PSM-C, FSW-2, FSW-3, FSW-C, FSW-G, FSW-8
NATIONAL GYPSUM CO - Riyadh, Saudi Arabia - Type FR or WR
PARCO BUILDING PRODUCTS L L C, DBA PARCO GYPSUM - Types C, PG-3, PG-4, PG-5, PG-6, PG-9, PG-11, PG5-MS (Finish Rating 25 minutes)
PANEL REY SA - Types RRC, PRCC
SIAM GYPSUM INDUSTRY (SARABURI) CO LTD - Type EX-1
THAI GYPSUM PRODUCTS PCL - Type C, Type X
UNTED STATES GYPSUM CO - Types C, IP-X1, P-X2, IPCAN, SCK, WRX
USG BORAL DRYWALL SFZ LLC - Types C, SCK
USG MEXICO S A DE C V - Types C, IP-X1, IP-X2, IPCAN, SCK, WRX
5A. Gypsum Board - (Finish Rating - 60 min.) Required when Air Balance Inc. Type 299 ceiling damper (Item 4) is installed. Min 5/8 in. thick, 48 in. wide gypsum board, installed with long dimension perpendicular to joists. Gypsum board secured with 1-7/8 in. long, 6d cement coated nails spaced 6 in. OC with the first nails located 1/2 in. and 3 in. from the board edges.
UNTED STATES GYPSUM CO - Type C
USG BORAL DRYWALL SFZ LLC - Types C, SCK
USG MEXICO S A DE C V - Type C
5B. Gypsum Board - Nom 3/4 in. thick, 48 in. wide gypsum board, installed as described in Item 5 with nails depth increased to 2 in.
PARCO BUILDING PRODUCTS L L C, DBA PARCO GYPSUM - Type PG-13
5C. Gypsum Board (As an alternative to Item 5) - Min 5/8 in. thick, 48 in. wide gypsum board, installed with long dimension perpendicular to joists. Gypsum board secured with 1 in. long Type S screws spaced 6 in. OC.
UNTED STATES GYPSUM CO - ULX
5D. Gypsum Board (As an alternative to Item 5A) - Required when Air Balance Inc. Type 299 ceiling damper (Item 4) is installed. Min 5/8 in. thick, 48 in. wide gypsum board, installed with long dimension perpendicular to joists. Gypsum board secured with 1-7/8 in. long Type S screws spaced 6 in. OC with the first screws located 1/2 in. and 3 in. from the board edges.
5. Finishing System - (Not Shown) - Vinyl, dry or preformed joint compound, applied in two coats to joints and screw-heads. Min 3 in. wide paper tape embedded in first layer of compound over all joints. As an alternative, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board.
7. Grille - Steel grille, installed in accordance with the installation instructions provided with the ceiling damper.
8. Steel Corner Fasteners - (Optional, Not Shown) - Used to attach ends of gypsum board at wall intersection where joints are parallel to wall. Channel shaped, 2 in. long by 1 in. high on the back side with two 1/8 in. wide chills protruding into the 3/8 in. wide channel, fabricated from 24 gauge galvanized steel. Fasteners nailed to face of wall bearing plate through fastener tab with one No. 6d cement coated nail, spaced not greater than 16 in. OC and 2 in. from edge of gypsum board. Fasteners covered with gypsum board facing applied to intersecting wall.
9. Gypsum Products Installed in Air-handling Spaces - Automatic Balancing Valve/Damper - (Not Shown) - (Optional) - For use with term 4, Ruskin Company's Model CF07 damper (CDB8). Ceiling damper to be provided with Nom 24 gauge per damper manufacturer's instructions with side outlet only. Entire assembly to be installed into any UL Class 0 or Class 1 flexible air duct in accordance with the instructions provided by the automatic balancing valve/damper manufacturer.
METAL INDUSTRIES INC - Model ABV-4, ABV-5, ABV-6
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.
L8810268208 on 2019-11-20

KEYPLAN
CONSULTANT
SEAL

Table with 2 columns: #, DATE, DESCRIPTION

PROJ: Fairfield by Marriott Inn & Suites

4 STORY, 92 UNITS w/ INDOOR POOL

FAIRFIELD BY MARRIOTT INN & SUITES
DAWSONVILLE, GEORGIA
DAWSONVILLE, GEORGIA 30534

RIMROCK COMPANIES
10000 RIVERSIDE AVE
SUITE 3201
JACKSONVILLE, FL 32204

PHILLIPS JOB NUMBER: 1972101
ISSUE DATE: 08/23/2019

DRAWN BY/CHECKED BY: ZS / JU
DRAWING TITLE: FIRE RATED ASSEMBLIES - HORIZONTAL III

SHEET NUMBER: A-0.2B

5901 PEACHTREE DUNWOODY RD.
BUILDING A, SUITE 450
ATLANTA, GEORGIA 30328
PHILLIPSPART.COM 770.384.1616