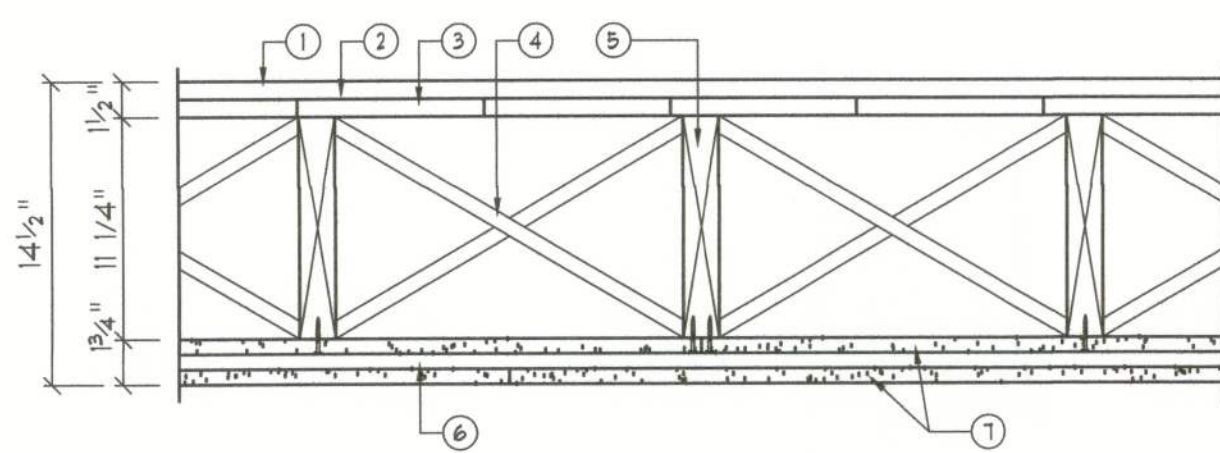


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Design No. L511

Unrestrained Assembly Rating - 2 Hours
Finish Rating-11 Min.



End Joint Detail

1, 2, 3. Finish flooring-Min. 23/32 in. thick T & G plywood, min. grade "Underlayment" or "Sturd-I-Floor" conforming to PS-1-74 specifications. Face grain to be perpendicular to joists with joints of the finish flooring and sub-flooring staggered. Vapor retarder-Optional-Commercial, resin-sized building paper 0.010 in. thick.
Sub-flooring-Min. 23/32 in. thick T & G plywood, min. grade "Underlayment" or "Sturd-I-Floor" conforming to PS-1-83 specifications. Face grain to be perpendicular to joists with joints staggered.

4. Cross Bridging-1 by 3 in.

5. Wood Joists-2 by 12 in. spaced 16 in. O.C., fire-stopped.

6. Resilient Furring Channels-Formed of 25 MEG electro-galvanized steel, spaced 24 in. O.C. perpendicular to joists and located 12 in. from each long edge of base layer wallboard. Channels placed with 1/4 in. clearance at the ends and fastened to each joist with 1-7/8 in. long furring channel screws. Min. end clearance of channels to walls: 3/8 in. Additional pieces, 60 in. long, placed immediately adjacent to channels for attachment of end joints of second layer, secured with 1-7/8 in. long furring channel screws driven through wallboard to joists. Ends to extend 6 in. beyond each side of end joint.

7. Wallboard, Gypsum-5/8 in. thick, 4 ft wide. First layer installed perpendicular to joists with butted end joints or boards located at the joists. Nailed to joists with 8d

cement-coated cooler nails and spaced 7 in. O.C. in the field of the board. Nails to be 1/2 in. from the butted end joints. Second layer secured to furring channels by 1 in. long wallboard screws, with long edge perpendicular to the furring channels, with the center line of boards located under a joist and so placed that the long edge joints are staggered with the butted end joints of the first layer. Secured to furring channels with 1-in. wallboard screws 12 in. O.C. Butted end joints of wallboard fastened at additional furring channels as shown in end joint detail. All screws located 1 and 1-3/4 in. from the long edges and the butted end of boards, respectively.
Canadian Gypsum Co., Ltd. Type C.
Celotex Corp.-Type FRP.
Dormer Gypsum-Type 5.
United States Gypsum Co., Type C, O, or IP-X2.

8. Screw, Furring Channel-Case-hardened steel, 1-7/8 in. long, 0.150-in. diam. shank, diamond point, 0.335-in. diam. Phillips type head.

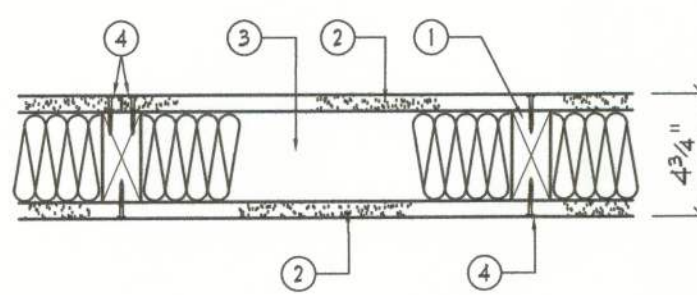
9. Screw, Wallboard-Case-hardened steel, 1 in. long, 0.150-in. diam. shank, self-drilling and self-tapping, 0.335-in. diam. Phillips-type head.

10. Alternate Finishing System (Not Shown) Outer layer wallboard joints covered with fiber tape and joint compound. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

*Bearing the UL Classification Marking

Design No. U333

Bearing Wall Rating-1 Hr.
Finish Rating-23 Min.



1. Wood Studs-Nom 2 by 4 in., spaced 16 in. O.C. effectively cross-braced.

2. Gypsum Wallboard-5/8 in. thick, 4 ft wide, applied either vertically or horizontally, screw attached to studs and plates with 1 1/4 in. long Type W steel screws, spaced 12 in. O.C.

Canadian Gypsum Co., Ltd.-Type C.
Georgia-Pacific Corp., Gypsum Div.-Type GFFS-C.
United States Gypsum Co.-Type C or IP-X2.

3. Batts and Blankets-Optional-Mineral wool insulation, partially or completely filling stud cavity.

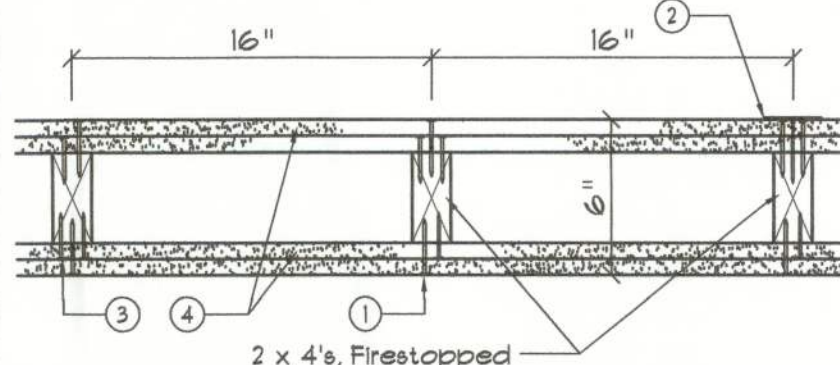
USG Interiors Inc.
United States Gypsum Co.

4. Joints and Nailheads-Wallboard joints covered with paper tape and joint compound. Screwheads covered with joint compound.

*Bearing the UL Classification Marking

Design No. U301

Bearing Wall Rating-2 Hr.
Finish Rating-66 Min.



1. Nailheads - Exposed or covered with joint finisher.

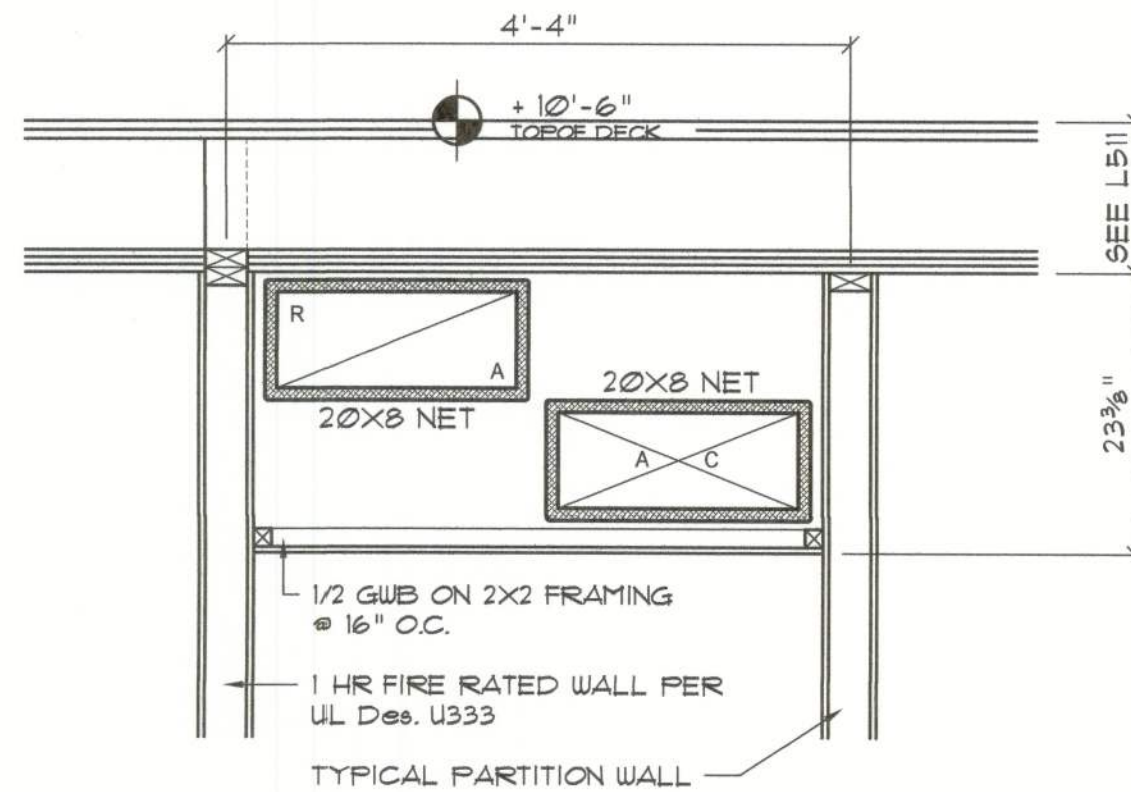
2. Joints - Exposed or covered with fiber tape and joint finisher. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

3. Nails - 6d cement-coated nails 1-7/8 in. long, 0.0915 in. shank diam., 1/4 in. diam. heads, and 8d cement-coated nails 2-3/8 in. long, 0.113 in. shank diam., 5/32 in. diam. heads.

4. Wallboard, Gypsum - 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with the 1-7/8 in. nails spaced 6 in. O.C. Outer layer attached to studs over inner layer with the 2-3/8 in. long nails spaced 8 in. O.C. Vertical joints located over studs. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side.

Canadian Gypsum Co., Ltd. - Types C, SCX, SHX, WRX.
Celotex Corp. - Type I or PAF.
Dormer Gypsum - Type C, 4 or 8.
Gold Bond Building Products - Types F6K, F6K-G, -4, F6W, F6W-G, or -4.
James Hardie Gypsum - Type Fire X.
Pabco Gypsum, A Div. of Pacific Coast Bldg. Products, Inc. - Types FG-2, -3, -3W, -3WB, -4 or -6.
Standard Gypsum Corp. - Type SG-C or SG-C-G.
United States Gypsum Co. - Type C, IP-X1, IP-X2, SCX, SHX, WRX-C, or WRX.

*Bearing the UL Classification Marking



TYPICAL PARTITION WALL

H.V.A.C. Duct DETAIL

SCALE: 3/4" = 1'-0"

NOTE!
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE!
MOUNT COND. UNIT ON 4" THK. CONC. PAD, SIZED TO EXTEND 4" BEYOND EQUIPMENT, ALL AROUND, SECURE EQUIPMENT W/ STL. STRAPS & TEC SCREWS @ EACH CORNER.
REINF. SLAB W/ 6X6 10/10 WWM.

NOTE!
PROVIDE TURNING VANES @ DUCT TURNS & ADJ. EXTRACTORS @ ALL BRANCH DUCT TAPS

NOTE!
PROVIDE A 20 G.A. GALV. MTL DRAIN PAN SIZED 4" LONGER AND WIDER THAN AHU X 2" DP, W/ 3/4" PVC DRAIN TO DRIP OVER THE RESTROOM LAVATORY.

H.V.A.C. PLAN

SCALE: 1/4" = 1'-0"

DIFFUSER SCHEDULE:

| MK | CFM | SIZE | PAT. | LOCATION | FLEX DUCT |
|----|---------|-------|------|----------|-----------|
| D1 | 60 CFM | 6X8 | 1W | CEILING | 4" |
| D2 | 100 CFM | 6X10 | 1W | CEILING | 6" |
| D3 | 125 CFM | 6X12 | 2W | WALL | 6" |
| D4 | 150 CFM | 8X12 | 2W | WALL | 7" |
| D5 | 180 CFM | 12X12 | 1W | CEILING | 8" |
| D6 | 200 CFM | 8X16 | 2W | WALL | 8" |

GRILLE SCHEDULE:

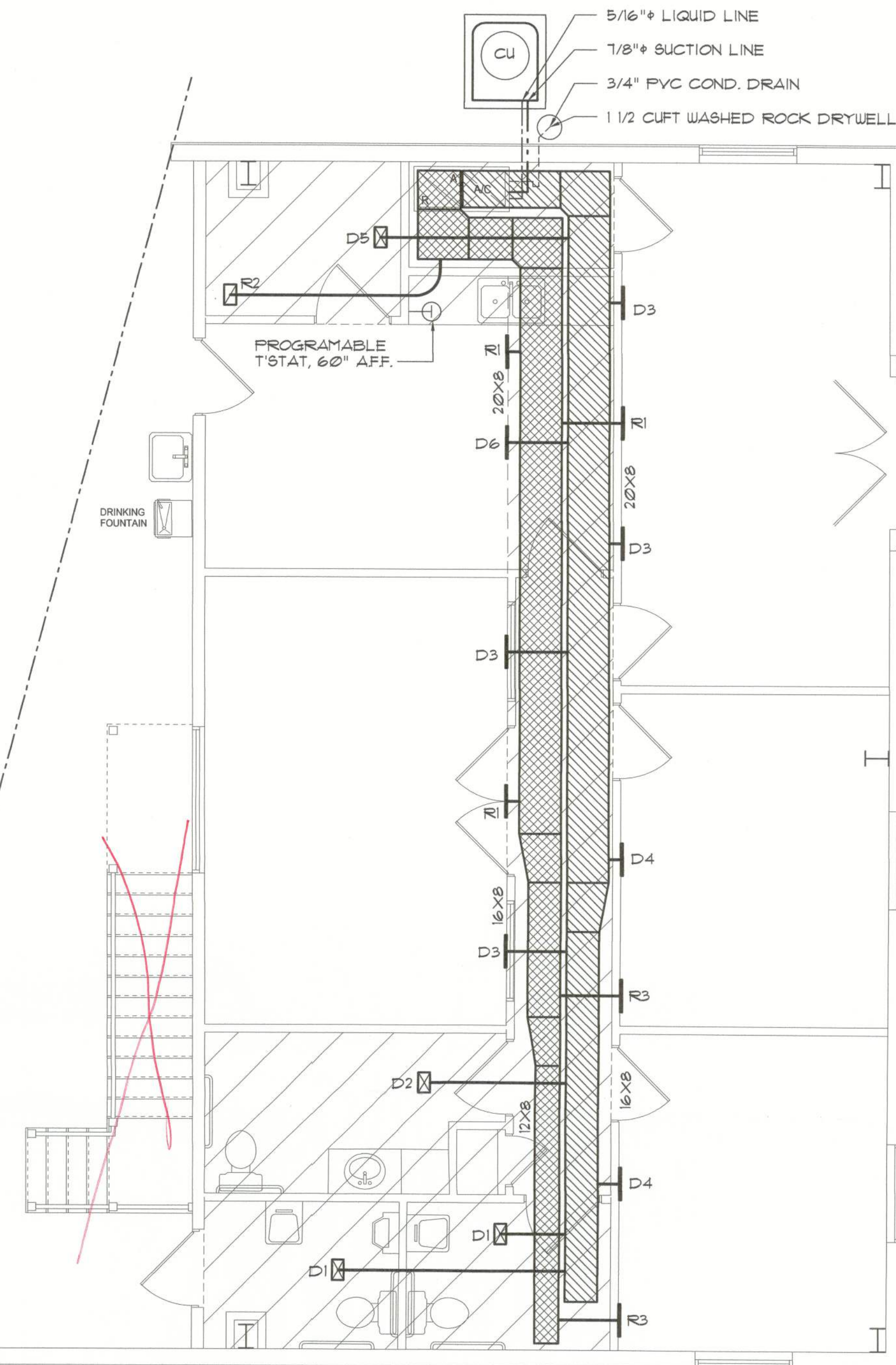
| MK | CFM | SIZE | PAT. | LOCATION | FLEX DUCT |
|----|---------|------|------|----------|-----------|
| R1 | 250 CFM | 8X16 | GRID | WALL | 8" |
| R2 | 200 CFM | 8X14 | GRID | WALL | 8" |
| R3 | 150 CFM | 8X12 | GRID | WALL | 8" |

NOTE!
UNDERCUT RESTROOM DOORS 1"

H.V.A.C. Equipment SCHEDULE

SCALE: NONE

| EQUIPMENT SPECIFICATION: EQUAL EQUIPMENT BY LISTED MFG'RS IS APPROVED | | | | | | | | | | | | |
|---|--------|-----------------------------------|------------|-----------|-----------|-------|------|------|------|-------|---------|-----------|
| SYS. | MK | MOD | TOTAL COOL | SENSIBLE | HEATING | SEER | HSPF | ESEF | KW | CFM | VOLTAGE | LIQUID |
| 1 | "RUJD" | CU: UPPA-042JA AHU: UBHK-241NH | > | 41000 BTU | 29800 BTU | 14.00 | 8.40 | 30" | 35.4 | 10.75 | 1400 | 240V - 1P |
| | | | | | | | | | | | | 5/16" |
| | | | | | | | | | | | | 7/8" |



REVISIONS

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

Will C. Myers

HUBER & ASSOCIATES, INC.
PROJECT ADDRESS: RING COURT, COLUMBIA COUNTY, FLORIDA 32025

Will C. Myers
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AF0007005

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GEISLER
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N.C.A.R.B. Certified

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DATE:
06 OCT 2011

SHEET NUMBER

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