

**ELECTRICAL SCHEDULE 'B'**

CIRCUIT	DESCRIPTION	AMPS	WIRE (FT)
1, 2	1000	100	100
3, 4	1000	100	100
5, 6, 7, 8, 9	1000	100	100
10, 11	1000	100	100

**ELECTRICAL PANEL SIZING:**

DESCRIPTION PANEL 'B' 40A

0.030 KW/SP X 2148 SF X 1.25 = 6.8  
 I.E. RECEIPTS AT 180W/1000 = 6.8  
 WATER HEATER 4.5 KW = 2.0  
 FANS @ 3 KW X 1.25 = 3.8  
 HVAC = 21.0

TOTAL 33.3 KW  
 TOTAL/240 X 1000 = 137 AMPS  
 INSTALL 200 AMP PANEL  
 120/240 V 1Ø

**ELECTRICAL SCHEDULE 'D'**

CIRCUIT	DESCRIPTION	AMPS	WIRE (FT)
1, 2	1000	100	100
3, 4	1000	100	100
5, 6, 7, 8, 9	1000	100	100
10, 11	1000	100	100

**ELECTRICAL PANEL SIZING:**

DESCRIPTION PANEL 'D' 40A

0.030 KW/SP X 1500 SF X 1.25 = 5.6  
 I.E. RECEIPTS AT 180W/1000 = 5.6  
 WATER HEATER 4.5 KW = 2.0  
 FANS @ 3 KW X 1.25 = 3.8  
 HVAC = 21.0

TOTAL 30.3 KW  
 TOTAL/240 X 1000 = 127 AMPS  
 INSTALL 200 AMP PANEL  
 120/240 V 1Ø

**ELECTRICAL SCHEDULE 'E'**

CIRCUIT	DESCRIPTION	AMPS	WIRE (FT)
1, 2	1000	100	100
3, 4	1000	100	100
5, 6, 7, 8, 9	1000	100	100
10, 11	1000	100	100

**ELECTRICAL PANEL SIZING:**

DESCRIPTION PANEL 'E' 40A

0.030 KW/SP X 1401 SF X 1.25 = 5.3  
 I.E. RECEIPTS AT 180W/1000 = 5.3  
 WATER HEATER 4.5 KW = 2.0  
 FANS @ 3 KW X 1.25 = 3.8  
 HVAC = 21.0

TOTAL 30.3 KW  
 TOTAL/240 X 1000 = 127 AMPS  
 INSTALL 200 AMP PANEL  
 120/240 V 1Ø

**ELECTRICAL SCHEDULE 'H'**

CIRCUIT	DESCRIPTION	AMPS	WIRE (FT)
1, 2	1000	100	100
3, 4	1000	100	100
5, 6, 7, 8, 9	1000	100	100
10, 11	1000	100	100

**ELECTRICAL PANEL SIZING:**

DESCRIPTION PANEL 'H' 40A

0.030 KW/SP X 1500 SF X 1.25 = 5.6  
 I.E. RECEIPTS AT 180W/1000 = 5.6  
 WATER HEATER 4.5 KW = 2.0  
 FANS @ 3 KW X 1.25 = 3.8  
 HVAC = 21.0

TOTAL 30.3 KW  
 TOTAL/240 X 1000 = 127 AMPS  
 INSTALL 200 AMP PANEL  
 120/240 V 1Ø

**ELECTRICAL SCHEDULE 'J'**

CIRCUIT	DESCRIPTION	AMPS	WIRE (FT)
1, 2	1000	100	100
3, 4	1000	100	100
5, 6, 7, 8, 9	1000	100	100
10, 11	1000	100	100

**ELECTRICAL PANEL SIZING:**

DESCRIPTION PANEL 'J' 40A

0.030 KW/SP X 2148 SF X 1.25 = 6.8  
 I.E. RECEIPTS AT 180W/1000 = 6.8  
 WATER HEATER 4.5 KW = 2.0  
 FANS @ 3 KW X 1.25 = 3.8  
 HVAC = 21.0

TOTAL 33.3 KW  
 TOTAL/240 X 1000 = 137 AMPS  
 INSTALL 200 AMP PANEL  
 120/240 V 1Ø

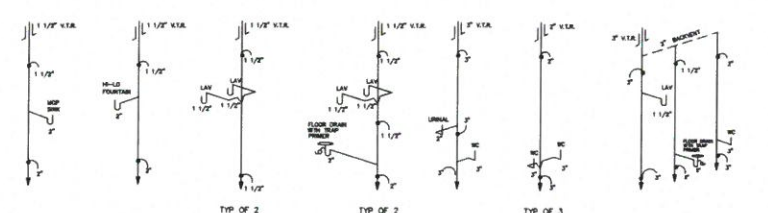


**COLUMN STRAPPING SCHEDULE:**

(A) (2) 24 SYP #2 THIS HALF. (B) (2) 24 SYP #2 EACH HALF  
 (C) (3) 24 SYP #2 THIS HALF. (D) (3) 24 SYP #2 EACH HALF  
 (E) (4) 24 SYP #2 THIS HALF. (F) (4) 24 SYP #2 EACH HALF  
 (G) (5) 24 SYP #2 THIS HALF. (H) (2) 24 SYP #2 EACH HALF

● WITH RIDGE BEAM BEARING STIFFENER

NOTES:  
 1. ALL COLUMN STUDS SHALL BE CLUE/ANILED TOGETHER. PVA COLLE WITH 100% COVERAGE SHALL BE USED.  
 2. INSTALL TWO STEEL STRAPS AT EACH STUD OF EACH COLUMN.  
 3. COLUMN STUDS SHALL NOT BE NOTCHED OR BORED.



**MOUNTING HEIGHTS FOR TOILETS & GRAB BARS THIS UNIT "ONLY"**

	AGES 5 THROUGH 8
TOILET CENTERLINE	15 11/2 INCHES
TOILET SEAT HEIGHT	13 1/2 INCHES
GRAB BAR HEIGHT	22 1/2 INCHES
DISPENSER HEIGHT	15 1/2 INCHES

**DOOR SCHEDULE**

LETTER	DESCRIPTION
A	7200 STEEL DOOR W/9"X13" SAFETY GLASS VIEW BLOCK - STEEL JAMB - CLOSER - PANE HARDWARE
B	3640 - SC - FLAT PANEL DOOR - W/5/8" VIB 20 MIN. RATED ASSEMBLY W/SELF CLOSING STEEL JAMES - LEVER PRIVACY HARDWARE
C	3640 - SOLID CORE - FLAT PANEL DOOR 20 MIN. RATED ASSEMBLY W/SELF CLOSING STEEL JAMES - PUSH/PULL HARDWARE
D	3640 - SOLID CORE - FLAT PANEL DOOR 20 MIN. RATED ASSEMBLY W/SELF CLOSING STEEL JAMES - LEVER PRIVACY HARDWARE
E	3640 - SOLID CORE - FLAT PANEL DOOR 20 MIN. RATED ASSEMBLY W/SELF CLOSING STEEL JAMES - LEVER KEYED HARDWARE

**WINDOW SCHEDULE**

LETTER	DESCRIPTION
Z	3640 - VERTICAL SLIDER W/6" INSULATED LOW-E TINTED GLASS BRUNNEN FRAME/VENTY MINI BLINDS

**PENETRATION OF FIRE RESISTANT WALLS AND CEILING:**

1. COMBUSTIBLE CABLES AND WIRES, COMBUSTIBLE PIPES, TUBES, AND CONDUIT SHALL MEET TESTING REQUIREMENTS OF ASTM E119 AS PART OF THE FIRE RESISTANT ASSEMBLY OR SHALL HAVE THROUGH-PENETRATION FIRESTOP SYSTEMS LISTED AND TESTED AS FOR ASTM E814 AND BE TESTED AT A POSITIVE PRESSURE DIFFERENTIAL BETWEEN THE EXPOSED AND UNEXPOSED SURFACES OF NOT LESS THAN 0.1 INCH OF WATER AND HAVE AN R RATING OF AT LEAST 1 HOUR BUT NOT LESS THAN THE RATING OF THE ASSEMBLY.

2. CABLES AND WIRES BEYOND COMBUSTIBLE INSULATIONS AND NONCOMBUSTIBLE PIPES, TUBES, AND CONDUITS SHALL BE PROTECTED AS DESCRIBED ABOVE OR SHALL HAVE THE MINERAL FIBER TILES WITH A MATERIAL MEETING THE REQUIREMENT OF ASTM E119 TESTED UNDER A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.1 INCH OF WATER FOR A TIME PERIOD EQUIVALENT TO THE RATING OF THE ASSEMBLY.

3. ELECTRICAL BOXES SHALL BE METAL OR LISTED FOR USE IN FIRE RESISTANT ASSEMBLIES AND SHALL NOT EXCEED 18 SQUARE INCHES. BOXES ON OPPOSITE SIDES OF FIRE RESISTANT WALLS SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES.

4. ALL CEILING FIXTURES SHALL BE SURFACE MOUNTED.

5. DUCTS PENETRATING FIRE RESISTANT CEILING SHALL HAVE AN ACCESSIBLE LISTED FIRE DAMPER LOCATED AT THE CEILING LINE.

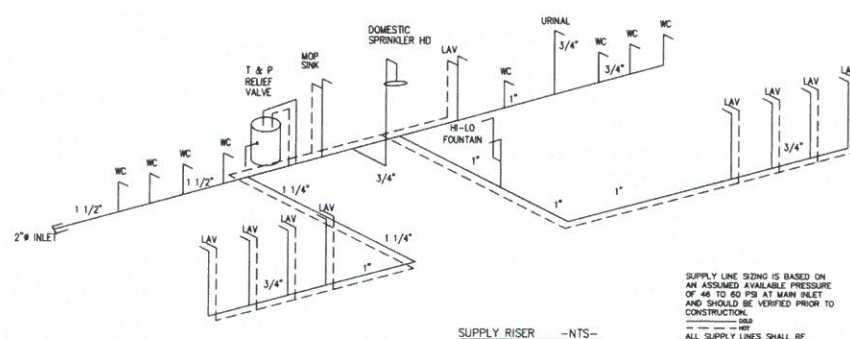
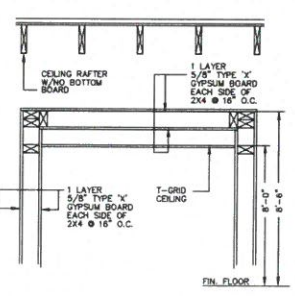
6. ALL FIRE RATED DOORS SHALL HAVE LISTED DOOR FRAME AND HARDWARE NO LESS THAN THE TIME RATING SPECIFIED ON THE FLOOR PLAN. IN ADDITION FIRE RATED DOORS SHALL BE EQUIPPED WITH SELF CLOSERS AND POSITIVE LATCHING HARDWARE.

WOOD STUD WALLS: 1 HOUR PER CA FILE NO. W/3520/W/3505  
 1 LAYER 5/8" TYPE 'X' GYPSUM BOARD EACH SIDE OF WALL

DROP CEILING: 1 HOUR PER CA FILE NO. W/3505

7. CORRIDOR DAMPERS MUST BE FIRE AND SMOKE DAMPERS IN ACCORDANCE W/2015 IBC, SECTION 717.2.4.1 FOR ALL LOCATIONS THAT ADOPT THE 2015 IBC.

NOTE:  
 A. THE GLAZING MUST BE SAFETY GLAZED  
 B. THE GLAZING MUST BE 20 MINUTE RATED  
 C. THE BOTTOM OF THE GLAZED PANEL MUST BE A MAXIMUM OF 42 INCHES ABOVE FINISHED FLOOR.



**RADCO APPROVED**  
 Nov 28, 2016  
 RESOURCES, APPLICATIONS, DESIGN & CONTROLS, INC.  
 EASTERN NATIONAL REGION  
 1801 BENJAMIN CENTER DRIVE, SUITE 202  
 TAMPA, FL 33634  
 (813) 243-0070 | (813) 243-3314 F  
 www.radco.com

Reg. P.E. Firm Name:  
**James E. Bradley**  
 Firm Reg. # F-1285

APPROVED (RADCO) ID#RA-917  
 Nov 28, 2016  
 Texas Industrialized Building Code Council  
 IBC, IRC

STATE OF TEXAS  
**JAMES E. BRADLEY**  
 38884  
 PROFESSIONAL ENGINEER

STATE OF ARKANSAS  
**JAMES E. BRADLEY**  
 0000000000  
 REGISTERED PROFESSIONAL ENGINEER

STATE OF OKLAHOMA  
**JAMES E. BRADLEY**  
 9480  
 LICENSED PROFESSIONAL ENGINEER

STATE OF LOUISIANA  
**JAMES E. BRADLEY**  
 License No. 13772  
 PROFESSIONAL ENGINEER

**Aries Building SYSTEMS**

CONSULTING ENGINEER JAMES BRADLEY, P.E. - 212 FOX TRAIL - PARKESBURG, PA. 19365 - (610) 857-2458

**TITAN MODULAR SYSTEMS, INC.**  
 182 INDUSTRIAL DRIVE  
 912-832-3344 (PH)  
 ALMA, GA. 31510  
 912-832-3345 (FX)

DATE: 10-28-16  
 SCALE: 3/16"=1'-0"  
 CODES: SEE NOTES  
 STATES: AR, LA, TX, OK

THIRD PARTY: RADCO  
 1801 BENJAMIN CENTER, SUITE 102  
 TAMPA, FLORIDA 33634  
 813-243-0070

REVISIONS: (BY) J.B.  
 TMS2B64-67 A-J  
 138'-8" x 64' EDUCATION  
 FLOOR PLAN DESTINATION: SAINT AMANT, LA  
 SHEET 2 OF 3