#### **GENERAL NOTES:**

- ACCESS TO BUILDING FOR PERSONS IN WHEELCHAIRS IS DESIGNED BY AND FIELD BUILT BY OTHERS AND SUBJECT TO LOCAL JURISDICTION APPROVAL. THE PRIMARY ENTRANCE MUST BE ACCESSIBLE.
- MUST BE ACCESSIBLE.

  2. ALL DOORS SHALL BE OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE OR EFFORT. MANUALLY OPERATED FLUSH BOLTS OR SURFACE BOLTS SHALL NOT BE USED.

  3. ALL GLAZING WITHIN A 24 INCH ARC OF DOORS, WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR, AND ALL GLAZING IN DOORS SHALL BE SAFETY, TEMPERED OR ACRYLIC PLASTIC SHEET.
- 4. SEE CROSS SECTION FOR ROOF TO WALL AND WALL TO FLOOR CONNECTION

- 4. SEE CROSS SECTION FOR ROOF TO WALL AND WALL TO FLOOR CONNECTION REQUIRMENTS.
  5. PORTABLE FIRE EXTINGUISHER PER N.F.P.A. 10 INSTALLED BY OTHERS ON SITE, AND SUBJECT TO LOCAL JURISDICTION.
  6. PROVISIONS FOR EXIT DISCHARGE LIGHTING ARE THE RESPONSIBILITY OF THE BUILDING OWNER AND SUBJECT TO LOCAL JURISDICTION APPROVAL HEN NOT SHOWN ON THE FLOOR PLAN (INCLUDING EMERGENCY LIGHTING, WHEN REQUIRED).
  7. WHEN LOW SIDES OF ROOF PROVIDE LESS THAN 6" OF OVERHANG, GUTTERS AND DOWN SPOUTS SHALL BE SITE INSTALLED, DESIGNED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
  8. IN WIND—BORNE DEBMS REGIONS, EXTERIOR GLAZING SHALL BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT RESISTANT COVERING MEETING THE REQUIRMENTS OF AN APPROVED IMPACT RESISTANT STANDARD, OR ASTM E1996. WIND—BORNE DEBRIS REGIONS ARE DESIGNATED IN SECTION 1609 OF THE IBC.
  9. WINDOWS AND DOORS MUST BE CERTIFIED FOR COMPLIANCE WITH THE WIND DESIGN
- MINDOWS AND DOORS MUST BE CERTIFIED FOR COMPLIANCE WITH THE WIND DESIGN PRESSURE FOR COMPONENTS AND CLADDING.
- FOR COMPONENTS AND CLAUDING.

  O. STRUCTURAL DETAILS NOT INCLUDED IN THIS PLAN SET ARE TO BE CONSTRUCTED ACCORDING TO THE MANUFACTURERS STATE APPROVED BUILDING SYSTEM MANUAL.

  A FIRE ALARM MUST BE SITE INSTALLED BY OTHERS, SUBJECT TO APPROVAL BY AUTHORITY HAVING JURISDICTION.

# WINDOW & DOOR SPECIFICATIONS

STRUCTURAL LOAD LIMITATIONS MARYLAND, VIRGINIA,

1000 LB. CONCENTRATED LOAD OVER 30 INCH x 30 INCH AREA LOCATED ANYWHERE ON FLOOR

A. Pg = 35 PSF GROUND SNOW LOAD

B. Pf = 26.9 PSF FLAT ROOF SNOW LOAD

C. Ce = 1.0 SNOW EXPOSURE FACTOR

D. Is = 1.0 SNOW IMPORTANCE FACTOR

E. Ct = 1.1 SNOW THERMAL FACTOR

E. Pr: ZONE 1: 37.9 PSF Pw: ZONE 4: 41.1 PSF ZONE 2: 63.6 PSF ZONE 5: 50.7 PSF ZONE 3: 95.7 PSF

THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT.

A. | = 1.0 SEISMIC IMPORTANCE FACTOR

B. D

C. A13 SEISMIC FORCE RESISTING SYSTEM.

SEISMIC PORCE RESISTING SYSTEM.

SEISMIC PORCE ANALYSIS PROCEDURE

F. Sa = ≤ .537 MAPPED SPECTRAL RESPONSE COEFT.

SEISMIC RESPONSE COEFTICIENT

J. V = 1953 B

SECTIAL RESPONSE COEFTICIENT

SEISMIC RESPONSE COEFTICIENT

FLOOD LOAD: THIS BUILDING IS NOT DESIGNED TO BE LOCATED IN A FLOOD HAZARD AREA.

A. IE = 1.0 SEISMIC IMPORTANCE FACTOR

WIND EXPOSURE CATEGORY INTERNAL PRESSURE COEFFICIEN

BUILDING RISK CATEGORY: II

FLOOR LIVE LOAD:

ROOF SNOW LOAD:

C. Ce = 1.0 D. Is = 1.0 E. Ct = 1.1

. C . GCpi= 0.18

SEISMIC LOAD:

- DBL. PANE WINDOWS ARE REQUIRED FOR ALL CLIMATE ZONES. SEE THE COMCHECK ENERGY CALCULATIONS FOR THE MAXIMUM ALLOWED U—FACTOR AND SHGC.
- 2. THE MAXIMUM ALLOWABLE AIR LEAKAGE RATE FOR WINDOWS IS 0.3 CFM PER SQUARE FEET OF WINDOW AREA. 3. THE MAXIMUM ALLOWABLE AIR LEAKAGE RATE FOR EXTERIOR DOORS IS 0.5 CFM PER SQUARE FEET OF DOOR AREA.

#### **ELECTRICAL NOTES:**

- ELECTRICAL NOTES:

  1. ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL LECTRICAL CODE (NEC).

  2. WHEN INGIT FATURES ARE INSTALLED TO LOSETS THEY COME OF THE SUPFACE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL LECTRICAL CODE (NEC).

  2. WHEN INGIT FATURES ARE INSTALLED TO LOSETS THEY HAVE COMPLETELY ENOUGH THE APPROPRIATE OF THE SUPFACE WITH THE SHALL HAVE CAMPLETELY ENOUGH THE APPROPRIATE SHALL HAVE CAMPLETELY A MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 16 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 16 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 16 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 16 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 16 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES AND ALL OTHER FIXTURES AND ALL OTHER AND ALL OTHER FIXTURES AND ALL OTHER AND ALL OTHER FIXTURES AND ALL OTHER AND ALL OTHER AND ALL OTHER FIXTURES AND ALL OTHER AND ALL AND FEEDERS ARE DESIGNED BY OTHER AND ALL OTHER AND ALL AND FEEDERS ARE DESIGNED BY OTHERS, SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION APPROVAL.

  3. ALL CIRCUITS CROSSING OVER MODULE MATING LINE(S) SHALL BE SITE CONNECTED WITH A PROVED ACCESSIBLE JUNCTION BOXES, OR CABLE CONNECTORS.

  4. ALL CIRCUITS CROSSING OVER MODULE MATING LINE(S) SHALL BE IN WEATHER PROOF (WP) ENCLOSURES. THE INTERCITY OF WHICH IS NOT THEN AND ATTACHMENT PLUG CAP IS INSERTED OR REMOVED. THE RECEPT ITSELF SHALL ALSO BE LISTED FOR DAMP AND WET LOCATIONS SEPERCE AND NEED.

- BE LISTED FOR DAMP AND WET LOCATIONS AS PER NEC AND NCEC.

  9. EXTERIOR LIGHTS NOT INTENDED FOR 24 HOUR USE SHALL BE CONNECTED TO A PHOTOCELL OR TIMER.

  10. THE BUILDINGS FIRE ALARM SYSTEM (PROTECTIVE SIGNALING SYSTEMS, FIRE DETECTION SYSTEMS, ETC.) SHALL BE DESIGNED IN ACCORDANCE WITH NFPA 101 AND NFPA 72 AND SITE INSTALLED BY OTHERS SUBJECT TO LOCAL BUILDING OFFICIAL REVIEW AND APPROVAL. THE FIRE ALARM CONTROL PANEL MUST BE INSTALLED IN A HIGHLY VISIBLE LOCATION ACCEPTABLE TO THE LOCAL AUTHORITY HAVING JURISDICTION. (THE FACP CANNOT BE INSTALLED IN A CLOSET OR BATHROOM).

  11. 2011 NEC SECTION 406.14 REQUIRES TAMPER RESISTANT RECEPTS IN DAYCARES AND SCHOOLS WITH KIDS AGED 7 AND YOUNGER.

## MARYLAND NOTES:

- REFER TO STATE PACKAGE PAGE NO. C32.0 FOR REQUIRED DUCT PROTECTION AT CONNECTION TO HVAC UNIT.
- THE FOLLOWING NOTE SHALL BE ON THE BLDG. DATA PLATE: THIS BUILDING HAS NOT BEEN DESIGNED FOR AND IS NOT APPROVED FOR INSTALLATION IN THE FOLLOWING MARYLAND COUNTIES: GARRETT, ALLEGANY
- HVAC SYSTEM SHALL COMPLY WITH NFPA 90B WHEN BUILDING VOLUME DOES NOT EXCEED 25,000 CUBIC FEET, OTHERWISE HVAC SYSTEM SHALL COMPLY WITH NFPA 90A.
- THESE PLANS ARE PREPARED TO FACILITATE CONSTRUCTION OF THE PRE-ENGINEERED FACTORY BUILT MODULAR BUILDING, AND THEY INCLUDE MINIMUM ON-SITE SUPPORT AND TIE DOWN REQUIREMENTS FOR THE MODULAR BUILDING. THE PROJECT ARCHITECT OF RECORD IS RESPONSIBLE FOR INCORPORATION AND COORDINATION OF THESE PLANS INTO THE OVERALL PROJECT DESIGN.
- 5. TO LOCAL BUILDER AND/OR SITE DEVELOPER: ALL SITE WORK INCLUDING THE LOCATION OF THE BUILDING, IS REQUIRED TO BE REVIEWED AND APPROVED BY A MD. REG. ARCH. OR ENG. TO VERIFY CODE COMPLIANCE INCLUDING BUT NOT LIMITED TO FIRE RESISTANCE RATINGS FOR EXTERIOR PROTECTION. MEANS OF EGRESS, HEIGHT AND AREA LIMITATIONS, OTHER PERTINENT SITE RELATED MATTERS. DOCUMENTS RALATED TO SITE WORK, INCLUDING SITE AND DEVELOPMENT DRAWNOS, SHALL BE SIBMITTED. TO THE JOCAL COVERNENT RALATENCY FOR PEVIEW SUBMITTED TO THE LOCAL GOVERMENT AGENCY FOR REVIEW AND APPROVAL.

#### PLUMBING NOTES:

WHEN RESTROOM FACILITIES AND/OR PLUMBING FIXTURES REQUIRED PER IPC SECTION 403 ARE NOT PROVIDED WITHIN THE BUILDING, THESE MUST BE PROVIDED OF SITE AND BE HANDICAPPED ACCESSIBLE, AND ARE SUBJECT TO THE APPROVAL OF THE LOCAL JURISDICTION HAVING AUTHORITY (THIS NOTE SHALL BE INDICATED ON THE DATA PLATE).

#### MECHANICAL NOTES:

- ALL SUPPLY AIR REGISTERS SHALL BE 14 INCHES x 14 INCHES ADJUSTABLE WITH 8 INCHES x 18 INCHES (INSIDE) OVERHEAD FIBERGLASS DUCT, UNLESS OTHERWISE SPECIFIED, DUCTS IN UNCONDITIONED SPACES SHALL HAVE R-5 MINIMUM INSULATION EXCEPT DUCTS EXPOSED TO VENTILATED ATTICS AND CRAWL SPACES SHALL HAVE R-6.5 INSULATION. INTERIOR DOORS SHALL BE UNDERCUT 1.5 INCHES ABOVE FINISHED FLOOR
- INTERIOR DOORS SHALL BE UNDERCUT 1.5 INCHES ABOVE FINISHED FLOOR FOR AIR RETURN AND/OR AS NOTED IN FLOOR PLAN.

  HVAC EQUIPMENT SHALL BE EQUIPPED W/OUTSIDE FRESH AIR INTAKES PROVIDING 10 CFM PER OCCUPANT AND 0.12 AREA AIRFLOW RATE PER INC SECTION 403 MECHANICAL SYSTEM IS DESIGNED FOR A MAXIMUM OCCUPANT LOAD OF 27 USING 10 CFM PER PERSON AND 0.12 SQUARE FEET OF AREA BASED ON CONTINUOUS OCCUPANCY. THE OCCUPANT LOAD MAY BE INCREASED FOR INTERMITIENT OCCUPANCY BASED UPON ADDITIONAL ENGINEERING ANALYSIS IN ACCORDANCE WITH ASSIPAGE 62

# ACCESSIBILITY NOTES:

- THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN SHALL BE DISPLAYED AT ALL ACCESSIBLE RESTROOM FACULTES AND AT ACCESSIBLE BUILDING ENTRANCES UNLESS ALL ENTRANCES ARE ACCESSIBLE. INACCESSIBLE ENTRANCES SHALL HAVE DIRECTIONAL SIGNS INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE.
- ACCESSIBLE DRINKING FOUNTAINS SHALL HAVE A SPOUT HEIGHT NO HIGHER THAN 3 INCHES ABOVE THE FLOOR AND EDGE OF BASIN NO HIGHER THAN 34 INCHES ABOVE THE FLOOR FOR INDIVIDUALS IN WHEELCHAIRS. ADDITIONALLY, DRINKING WATER PROVIDED HE MADE FOR INDIVIDUALS WHO HAVE DIFFICULTY BENDING.
- SHALL BE MADE FOR INDIVIDUALS WHO HAVE DIFFICULTY BENDING.

  IN WHERE STORAGE FACILITES SUCH AS CABINETS, SHELVES, CLOSETS AND DRAWERS ARE PROVIDED AT LEAST ONE TYPE PROVIDED SHALL CONTAIN STORAGE SPACE COMPLYING WITH THE FOLLOWING: DOORS ETC. TO SUCH SPACES SHALL BE ACCESSIBLE (LE. TOUCH LATCHES, U-SHAPED PULLS): SPACES SHALL BE 15 INCHES MINIMUM AND 48 INCHES MAXIMUM ADVE THE FLOOR FOR FORWARD REACH OR SIDE REACH; CLOTHES RODS OR COAT HOOKS SHALL BE A MAXIMUM OF 48 INCHES ABOVE THE FLOOR (46 INCHES MAXIMUM WHEN DISTANCE FROM WHEEL CHAIR TO ROD EXCEDS 10 INCHES). SHELVES IN KITCHENS OR TOILET ROOMS SHALL BE 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE IN FLOOR.
- ON TOLE I NOWS STALL BE 40 INCIDES MINIMUM AND 49 INCIDES MINIMUM ADDRE IN FUNCION CONTROLS DEPOSITS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE MOUNTED NO LESS THAN 15 MOHES ABOVE THE FLOOR, EXCEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15 MOHES ABOVE THE FLOOR. EXCEPTON, HEIGHT LIMITATIONS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE OR WHERE ELECTRICAL RECEPTACLES ARE NOT MORMALLY INTERDED FOR USE BY BUILDING OCCUPANTS.
- RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS.

  S. WHERE EMERGENCY WARNING SYSTEMS ARE PROVIDED. THEY SHALL INCLUDE BOTH AUDIBLE
  AND VISUAL ALARMS. THE VISUAL ALARMS SHALL BE LOCATED THROUGHOUT, INCLUDING
  RESTROOM, AND PLACED BO INCHES ABOVE THE FLOOR OR 6 INCHES BELOW CELLING, WHICHEVER IS LOWER.

  A LL DOORS SHALL BE OPENABLE BY A SINGLE EFFORT. DOOR CLOSERS SHALL BE ADJUSTED
  SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR
  TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM. THE MANUM FORCE
  REQUIRED FOR PUSHING OR PULING OPEN DOORS OTHER THAN FIRE DOORS SHALL NOT
  EXCEED S LBS. FOR ALL SLIDING, FOLDING, AND INTERIOR HINGED DOORS.
- FLOOR SURFACES SHALL BE STABLE, FIRM, AND SUP-RESISTANT. CHANGES IN LEVEL BET-WEEN 0.25 INCH AND 0.5 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1.2 CHANGES IN LEVEL GREATER THAN 0.5 INCH REQUIRE RAMPS. CARPET PILE THOKNESS SHALL BE 0.5 MAX. GRATINGS IN FLOOR SHALL HAVE SPACES NO GREATER THAN 0.5 INCH WIDE IN ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED 0.5 INCH IN HEIGHT.
- DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (I.E. LEVER OPERRATED, PUSHTYPE, U-SHAPED) MOUNTED WITH OPERABLE PARTS BETWEEN 34 INCHES MINIMUM MAD 48 INCHES MAXIMUM ABOVE THE FLOOR.



#### ATTENTION LOCAL INSPECTIONS DEPARTMENT

# SITE INSTALLED ITEMS

THE FOLLOWING ITEMS HAVE NOT BEEN COMPLETED BY THE MANUFACTURER, HAVE NOT BEEN INSPECTED BY EMC AND ARE NOT CERTIFIED BY THE STATE MODULAR LABEL. NOTE THAT THIS LIST DOES NOT NECESSARILY LIMIT THE ITEMS OF WORK AND MATERIAL THAT MAY BE REQUIRED FOR A COMPLETE INSTALLATION ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL JURISDICTION APPROVAL. CODE COMPLIANCE MUST BE DETERMINED AT

- THE COMPLETE FOUNDATION SUPPORT AND TIE DOWN SYSTEM.
   RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
   PORTABLE FIRE EXTINGUISHER(S).
   GLAZED OPENING PROTECTION (SEE GENERAL NOTE NO. 8)
- 5. ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS) TO
- 6. THE MAIN ELECTRICAL PANEL AND SUB-FEEDERS 7. CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATELINE(S) - (MULTI-UNITS ONLY).
  8. STRUCTURAL AND ASSTHETIC INTERCONNECTIONS BETWEEN MODULES
- (MULTI-UNITS ONLY).

  9. FIRE INSPECTION
- ). FIRE ALARM . DOWNSPOUTS AND GUTTERS

# BUILDING DESIGN PARAMETERS

1.	USE/OCCUPANCY:	EDUCATION ELEMENTARY
2.	CONSTRUCTION TYPE:	VB
3.	SPRINKLER SYSTEM:	NO
4.	BUILDING AREA:	840 S.F.
5.	BUILDING HEIGHT:	≤ 15 FEET
6.	NUMBER OF STORIES:	1

- 7. NUMBER OF MODULES: 8. OCCUPANT LOAD 39 BASED ON 20 NET SF/PERSON
- 9. EXTERIOR WALL FIRE RATING: NOT RATED
- 10. THIS BUILDING MUST BE INSTALLED WITH THE FIRE SEPARATION DISTANCES REQUIRED BY IBC TABLE 602 AND SECTION 705.3
- 11. ENGERGY CODE COMPLIANCE: SEE ATTACHED ENERGY CALCULATIONS.
- MANUFACTURERS DATA PLATE, STATE LABELS AND EMC LABELS ARE TO BE LOCATED ADJACENT TO ELECTRICAL PANEL.

CODE SUMMARY:						
STATE	BUILDING	ELECTRICAL	MECHANICAL	PLUMBING	ACCESSIBILTY	ENERGY CODE
MARYLAND	2015 IBC 2015 NFPA 101 W/ MD. AMENDMENTS	2014 NEC	2015 IMC.	2015 IPC	ADAAG 2012 MARYLAND ACCESS. CODE	2015 IECC
VIRGINIA	2012 VA. UNIFORM STATEWIDE BLDG. CD. 2012 IBC 2012 IFC	2011 NEC	2012 IMC.	2012 IPC	ICC/ANSI A117.1-09 W/VA. AMEND.	2012 IECC

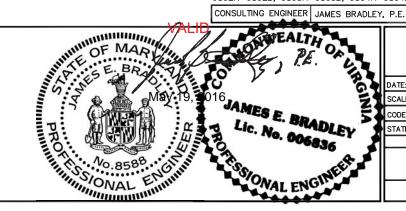
#### PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OY MARYLAND, LICENSE NO. 8588 EXPIRATION DATE:  $\frac{6}{-6}$ =18

MARLYLAND PLAN NO.: DBI 6851 MD.

MARYLAND SERIAL NO.: 6851A-6851B, 6852A-6852B, 6853A-6853B, 6854A-6854B, 6855A-6855B 6856A-6856B, 6857A-6857B, 6858A-6858B, 6859A-6859B, 6860A-6860B, 6861A-6861B, 6862A-6862B, 6863A-6863B, 6864A-6864B, 6865A-6865B, 6856A-6856B, 6857A-6857B, 6868A-6868B

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



#### DIAMOND BUILDERS INC. 440 THOMPSON DR. P.O. BOX 2200

DOUGLASS, GEORGIA 31534

(912) 384-7080

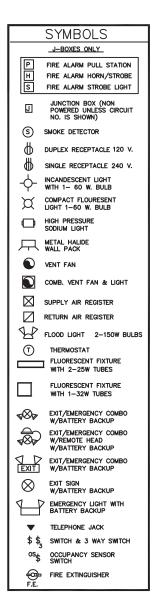
SHEET

OF 6

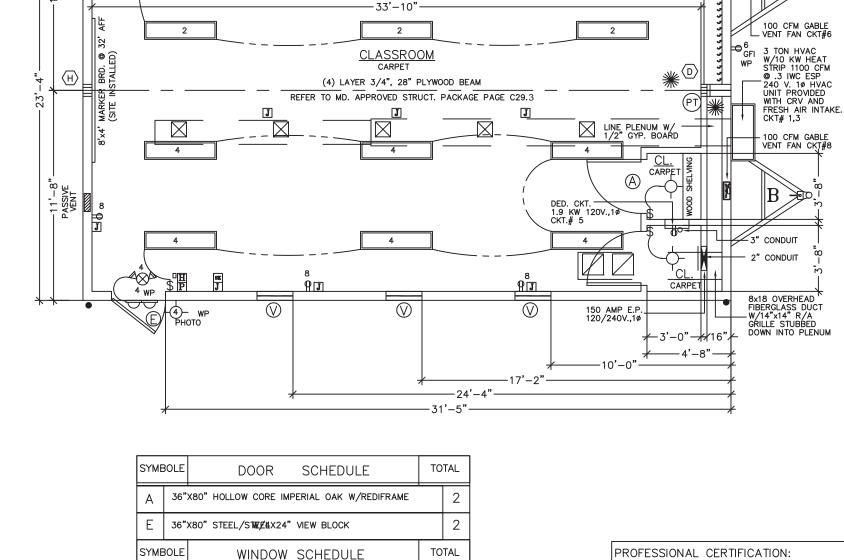
DATE: 5-10-16 REVISIONS: SCALE : NO SCALE CODES: SEE NOTES STATES: VA, MD J.B.

DBI6851-68 A/B **EDUCATION** 

DESTINATION: COVER SHEET



ELECTRICAL SCHEDULE					
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WRE (CU.)		
1, 3	HVAC	60A(2P)	6-2 #10 GRND		
6. 8	RECEPTACLES	20 A	12-2 NM		
2, 4	LIGHTING	15 A	14-2 NM		
ELECTRICAL PANEL SIZING:					
DESCRIPTION KVA					
GENERAL LIGHTING .0035 KW/SF X 840 SF X 1.25= 3.2 9. PRECEPTS AT 180VA/1000= 1.6 WATER HEATER 6.5 KW = -					
2_FAN(S HVAC	) AT .3 KW X 1		.8 0.5		
TOTAL 16.1 KW TOTAL/240 X 1000= 68 AMPS INSTALL 150 AMP PANEL 120/240 V 1ø					



3

JAMES E. BRADLEY

Lic. No. 006836

V 24"X54" VERTICAL SLIDE, INSULATED BRONZE/TINTED

MANIMAN STONAL KIND

4'x4' TACK BRD.

COAT RACK W/30 HOOKS AND SHELF ABOVE AT 48"AFF

TO THE TOP OF SHELF

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVE BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OY MARYLAND, LICENSE NO. <u>8588</u> EXPIRATION DATE: 6-8-18

DIAMOND BUILDERS INC.

440 THOMPSON DR. (912) 384-7080

DESTINATION:

J.B.

SHEET

2 OF 6

P.O. BOX 2200 DOUGLASS, GEORGIA 31534

REVISIONS:

DBI6851-68 A/B

**EDUCATION** 

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

5-10-16

3/16"=1'-0"

SEE NOTES

FLOOR PLAN

VA, MD

SCALE :

CODES:

STATES:

VERTICAL TIE-DOWN STRAP (ONE EACH CORNER OF BUILDING)

-8" PASSIVE VENT

**APPROVED** 

05 20 2016

6 4'x4' TACK BRD.

2

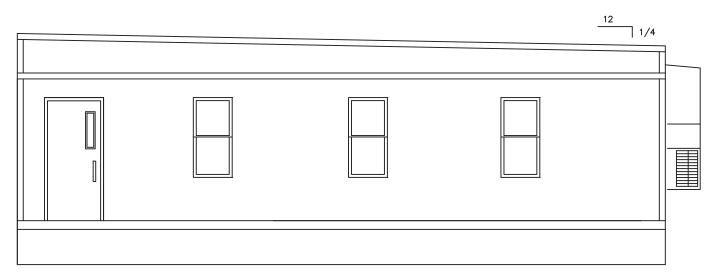


- $\langle A \rangle$  (2) 2x4 SYP #2 THIS HALF.  $\langle B \rangle$  (2) 2x4 SYP #2 EACH HALF
- $\langle C \rangle$  (3) 2x4 SYP #2 THIS HALF.  $\langle D \rangle$  (3) 2x4 SYP #2 EACH HALF.
- $\langle E \rangle$  (4) 2x4 SYP #2 THIS HALF.  $\langle F \rangle$  (4) 2x4 SYP #2 EACH HALF.
- (G) (5) 2x4 SYP #2 THIS HALF. (H) (2) 2x6 SYP #2 EACH HALF.

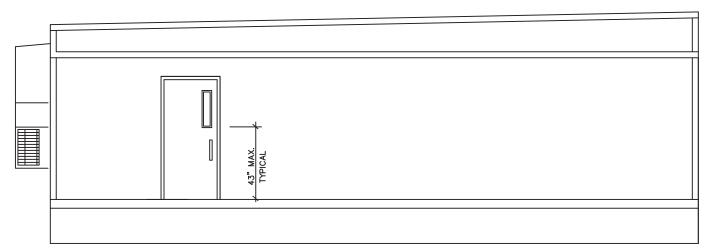
₩ WITH RIDGE BEAM BEARING STIFFENER

#### NOTES:

- 1. ALL COLUMN STUDS SHALL BE GLUE/NAILED TOGETHER. PVA GLUE WITH 100% COVERAGE SHALL BE USED.
- INSTALL TWO STEEL STRAPS AT EACH STUD OF EACH COLUMN.
- 3. COLUMN STUDS SHALL NOT BE NOTCHED OR BORED.



FRONT ELEVATION



REAR ELEVATION

SCALE: 3/16"=1'-0"

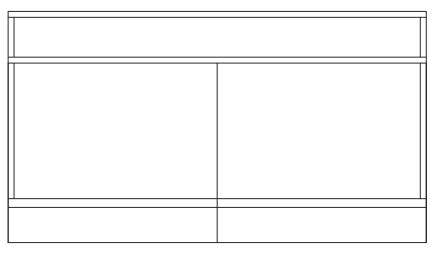
ELEVATION NOTES: TYPICAL

SEE-CROSS SECTION FOR METHOD OF ROOF VENTILATION

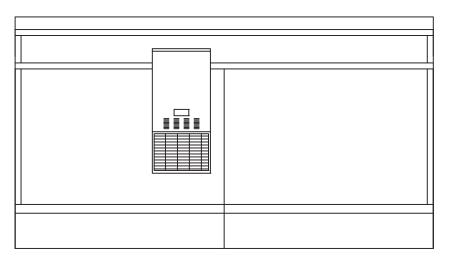
ACCESSIBLE RAMP(S), STAIR(S), AND HANDRAILS ARE SITE INSTALLED, DESIGNED BY OTHERS, AND SUBJECT TO LOCAL JURISDICTION.

FOUNDATION ENCLOSURE
(WHEN PROVIDED) MUST HAVE
1 SQUARE FOOT NET VENT AREA
PER 1/150TH OF THE FLOOR AREA,
AND AN 18" X 24" MINIMUM CRAWL
SPACE ACCESS, SITE INSTALLED BY
OTHERS SUBJECT TO LOCAL
JURISDICTION.





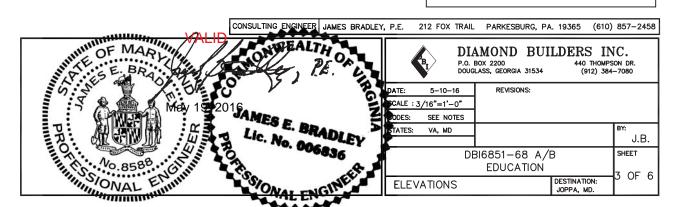
LEFT ELEVATION

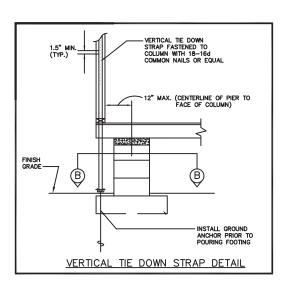


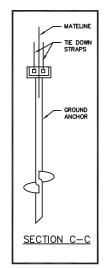
RIGHT ELEVATION

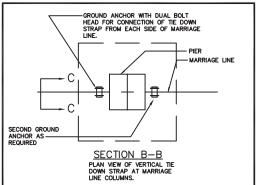
PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE QY MARYLAND, LICENSE NO. 8588









#### I NOTE:

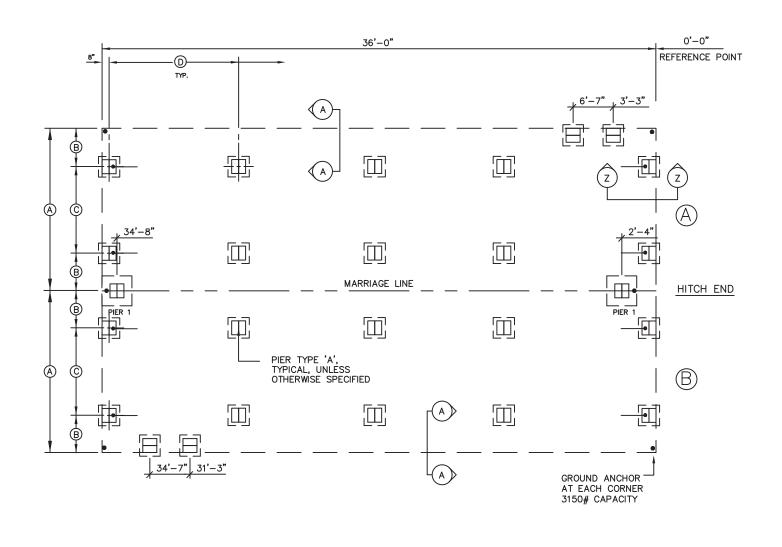
THIS FOUNDATION PLAN IS PROVIDED FOR REFERENCE AS A TYPICAL STANDARD. ACTUAL FOUNDATION CONDITIONS MUST BE EVALUATED FOR APPLICABILITY IF THIS PLAN IS TO BE USED. ALTERNATE FOUNDATION PLANS MAY BE DESIGNED BY OTHERS IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTION HAVING AUTHORITY.

# FOUNDATION NOTES:

- ALL FOUNDATION CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
- TIE-DOWN STRAPS TO BE 1-1/4"x .035" TYPE-1, FINISH B, GRADE 1 ZINC COATED STEEL STRAPPING CERTIFIED BY A REGISTERED ENGINEER OR ARCHITECT AS CONFORMING WITH ASTM D3953-91. TIE DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE 3150\(\frac{1}{2}\) MINIMUM WORKING CAPACITY.
- SHALL HAVE STOUP MINIMOM WORKING CAPACITY.

  S. EACH GROUND ANCHOR SHALL HAVE A WORKING CAPACITY NO LESS THAN THE SUM OF THE REQUIRED WORKING CAPACITIES OF ALL TIE DOWN STRAPS CONNECTED TO THE GROUND ANCHOR, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DESIGN OF GROUND ANCHOR, INCLUDING SHAFT LENGTH, NUMBER AND DIAMETER OF HEILBES, ETC., TO BE AS SPECIFIED BY THE GROUND ANCHOR MANUFACTURER FOR THE ACTUAL SOIL TYPE ENCOUNTERED. IF THE HOLDING OR PULLOUT CAPACITIES OF GROUND ANCHORS ARE BELOW THE ASSUMED DESIGN VALUES, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR AN ALTERNATE ANCHORAGE DESIGN.
- THE FIRST TIE-DOWN STRAP FROM ENDWALLS SHALL NOT EXCEED 1/2 THE MAXIMUM SPACING INDICATED.
- 5. ALL PIERS SHALL BE CONSTRUCTED OF CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. MASONRY UNITS SHALL BE LAID IN TYPE M OR S MORTAR OR COVERED WITH SUFFACE BONDING CEMENT INSTALLED IN ACCORDANCE WITH ITS LISTING. PIER FOOTINGS SHALL BE AS DESCRIBED ABOVE.
- 6. MINIMUM CONCRETE FOOTING COMPRESSIVE STRENGTH 2,500 PSI AT 28 DAYS.
- ALL REINFORCEMENT BARS SHALL COMPLY WITH ASTM A615, GRADE 60. REINFORCEMENT BARS SHALL BE EQUALLY SPACED AND PLACED WITH 3" CLEARANCE FROM BOTTOM AND SIDES OF THE FOOTING.
- 8. SEE SHEET 1 OF 6 FOR BUILDING DESIGN LOADS.
- I-BEAM SUPPORT PIERS MAY BE INSTALLED LATERALLY (90' FROM THE ORIENTATION SHOWN ON THE FOUNDATION PLAN). CEUTERLINE OF EACH PIER MUST BE LOCATED DIRECTLY BELOW THE I-BEAM CENTERLINE.
- 10. SOIL BEARING CAPACITY SHOWN ON THIS PLAN IS ASSUMED. IF THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN 2,000 PSF, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR REQUIRED ALTERNATE FOUNDATION DESIGN. FOOTINGS SHALL BE PLACED ON NON-EXPANSIVE SOILS ONLY.
- 11. INSTALL BLOCK PIER ON EACH SIDE OF ALL EXTERIOR DOOR OPENINGS.

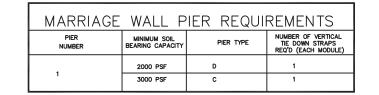
  (MANUFACTURER'S RECOMMENDATION ONLY OPTIONAL WHEN NOT SHOWN)
  SLIGHT ADJUSTMENT MAY BE REQUIRED TO INSURE OPENABILITY AFTER
  INSTALLATION OF BUILDING IS COMPLETE.
- 12. THE FOUNDATION DIMENSIONS SHOWN ON THE ABOVE LAYOUT ARE NOMINAL DIMENSIONS OF THE FACTORY BUILT MODULARS AND DO NOT ACCOUNT FOR CAPS BETWEEN MODULES THAT MAY OCCUR DURING INSTALLATION. THE FOUNDATION DESIGNER, FOUNDATION CONTRACTOR AND MODULAR BUILDING INSTALLER MUST CONSULT TO DETERMINE IF ADJUSTMENTS TO PIER LOCATIONS ARE NEEDED TO ACCOUNT FOR TOLERANCES NEEDED DIRING INSTALLATION OF THE BUILDING MODULE
- 13. THE AREA UNDER FOOTINGS AND FOUNDATIONS SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO THEIR CONSTRUCTION.



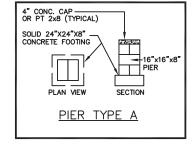
NOTE:

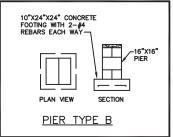
THE NUMBER OF PIERS SHOWN ON THIS FOUNDATION PLAN IS NO INDICATION OF THE AMOUNT OF PIERS REQUIRED AND NEEDED FOR THIS BUILDING. SEE MAXIMUM PIER SPACING CHART TO THE RIGHT FOR THE CORRECT NUMBER OF PIERS REQUIRED FOR EACH SOIL BEARING CAPACITY.

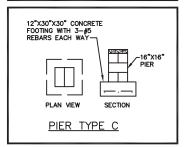
FOUNDATION DIMENSIONS					
A MODULE WIDTH	B PIER TO MODULE EDGE		C STEEL BEAM SPACING		
11'-8"	22 1/4"		95 1/2"		
D MAXIMUM PIER SPACING		MINIMUM SOIL BEARING CAPACITY			
9'-0" 9'-0"			00 PSF 00 PSF		

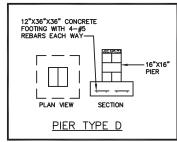






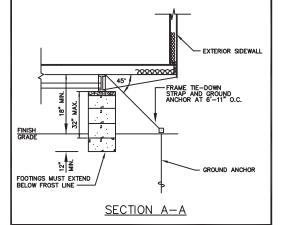


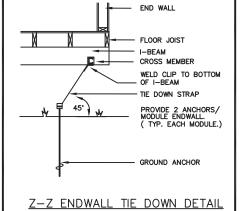


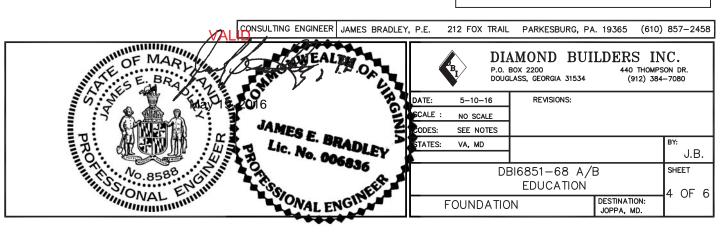


#### PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE DY MARYLAND, LICENSE NO. <u>8588</u> EXPIRATION DATE:  $\underline{6-6-18}$ 







### INTERIOR FINISH MATERIAL:

- CEILING 1/2" GYP. BOARD CEILING INSTALLED PER MANUFACTURER'S SPECIFICATIONS. (SEASPRAY FINISH)
- WALL 1/2" GYPSUM BOARD (VCG THROUGHTOUT) INSTALLED PER MANUFACTURERS SPECIFICATIONS.

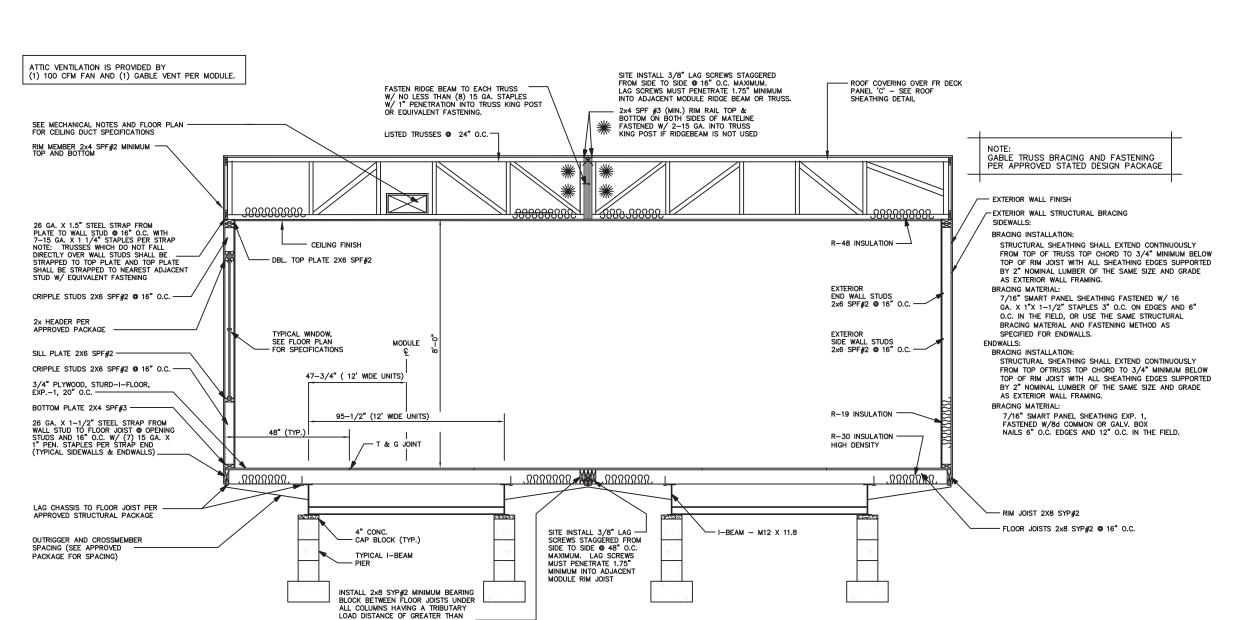
FLOOR - AS NOTED ON FLOOR PLAN

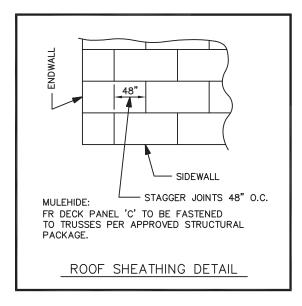
INTERIOR WALL AND CEILING FINISH SHALL BE CLASS B OR BETTER IN IN CORRIDORS AND CLASS C OR BETTER IN ROOMS AND ENCLOSED SPACES.

### EXTERIOR FINISH MATERIAL:

ROOF - MULE-HIDE 60 MIL (BLACK) EPDM FULLY ADHERED IN ACCORDANCE W/ESR 1776 OVER 7/16" MULE-HIDE FR DECK PANEL 'C' INSTALLED PÉR MANUFACTURERS SPECIFICATIONS.

WALL - 7/16" SMART PANEL SIDING OVER APPROVED MOISTURE BARRIER INSTALLED PER MANUFACTURERS SPECIFICATIONS.





APPROVED TRUSS DESIGN: TRUSS PAGE # : UNIVERSAL TRUSS DRAWING. # F381103

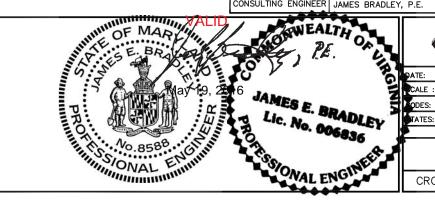
OR ATTACHED DWG.



## PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE DY MARYLAND, LICENSE NO.  $\underline{8588}$  EXPIRATION DATE:  $\underline{6-6-18}$ 

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



DIAMOND BUILDERS INC. P.O. BOX 2200 DOUGLASS, GEORGIA 31534

(912) 384-7080

5-10-16 REVISIONS CALE : NO SCALE SEE NOTES VA. MD J.B. SHEET DBI6851-68 A/B **EDUCATION** 5 OF 6 DESTINATION: CROSS SECTION

GENERAL CROSS-SECTION NOTES:

12 FEET MEASURED ALONG MARRIAGE LINE

- UNLESS OTHERWISE SPECIFIED, ALL STEEL MUST COMPLY W/ ASTM A36, YIELD STRENGTH = 36 KSI.
- 2. ALL LAG SCREWS MUST COMPLY W/ ANSI/ ASME B18.2.1. F  $\gamma_{\mbox{\footnotesize{B}}}^{=}$  60 KSI MINIMUM.
- SEE FOUNDATION PLAN FOR PIER AND TIE-DOWN STRAPPING LOCATIONS, ORIENTATIONS, AND SPECIFICATIONS.

# RIDGE BEAM CONSTRUCTION:

4 LAYERS 3/4"X 28" PLYWOOD, RATED SHEATHING, EXP.-1, STRUCT.-1, 5 PLY/5 LAYER, 48/24 EACH HALF CONTINUOUS ENTIRE LENGTH OF CLEARSPAN.

- PLYWOOD FACE GRAIN MUST BE PARALLEL TO THE RIDGE BEAM SPAN.

  2. ALL PLYWOOD BUTT JOINTS MUST BE STAGGERED 24" MINIMUM.

  3. ALL RIDGE BEAM PLYWOOD LAMINATIONS MUST BE THE SAME DEPTH, THICKNESS, AND GRADE OF PLYWOOD. NO LUMBER OR PLYWOOD FLANGES ARE PERMITTED.

  4. PLYWOOD MUST BE MANUFACTURED IN ACCORDANCE W/ PS T—95.

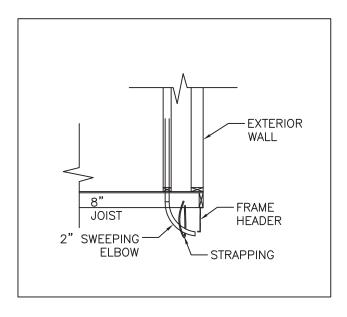
  5. PLYWOOD LAMINATIONS IN EACH HALF OF THE UNITS MUST BE GLUE NAILED TO ADJACENT LAYERS IN ACCORDANCE W/ PDS SUPPLEMENT #5, W/ AN ADHESIVE COMPLYING W/ ASTM D2559, OR CA25—4.

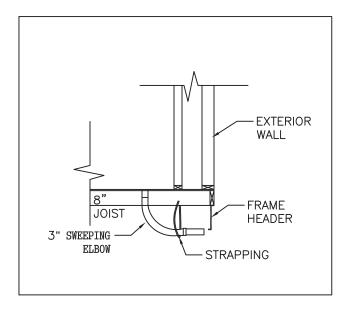
  6. PLYWOOD MUST NOT BE TREATED W/ A FIRE RETARDANT PROCESS.

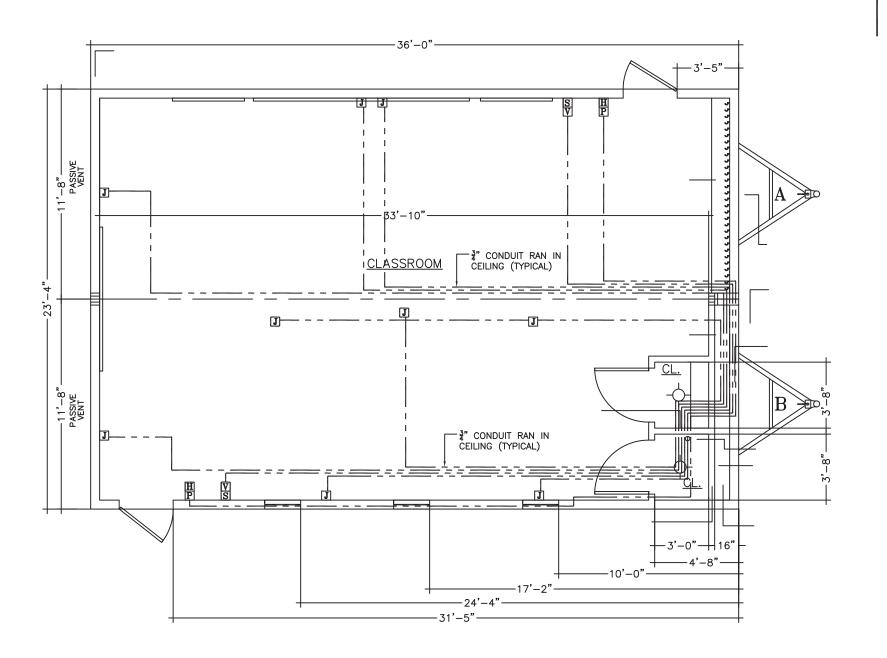
  7. MOISTURE CONTENT MUST BE LESS THAN 16%.

  8. BEAMS SUPPORTED BY ENDWALL COLUMNS MUST EXTEND CONTINUOUS OVER COLUMNS TO EXTERIOR FACE OF ENDWALL.

  9. INISTALL (2X4) 20" SPF#3 RIDGE BEAM BEARING STIFFENER OVER SUPPORT COLUMNS, WHEN SPECIFIED ON FLOOR PLAN; FASTEN THE FACE OF THE STIFFENER TO THE RIDGE BEAM W/ 100% GLUE COVERAGE AND (6) 16 GA. X 2—1/2" STAPLES.









# PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROV BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDE THE LAWS OF THE STATE OY MARYLAND, LICENSE NO. <u>8588</u> EXPIRATION DATE: 6-6-18

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

