



# Building Permit Application

Howard County Maryland  
Department of Inspections, Licenses and Permits  
3430 Court House Drive  
Permits: 410-313-2455  
www.howardcountymd.gov

Date Received: \_\_\_\_\_

Permit No.: B15002109

4301 Heath

Building Address: 4300 ROUTE 32  
 City: BLENELLY State: MD Zip Code: 21737-0006  
 Sulte/Apt. # \_\_\_\_\_ SDP/WP/BA #: 82-087  
 Census Tract: 605104 Subdivision: 0000  
 Section: \_\_\_\_\_ Area: 31 AC Lot: 1  
 Tax Map: 0028 Parcel: 0164 Grid: 0003  
 Zoning: RR DKO Map Coordinates: 9K13 Lot Size: 31 AC

Property Owner's Name: HOWARD COUNTY DPW  
 Address: 3430 COURT HOUSE DRIVE  
 City: BLICOTT CITY State: MD Zip Code: 21043  
 Phone: 410-313-4401 Fax: \_\_\_\_\_  
 Email: jirvin@howardcountymd.gov

Existing Use: MAINTENANCE FACILITY - OFFICE  
 Proposed Use: MAINTENANCE FACILITY - OFFICE

Applicant's Name & Mailing Address, (if other than stated herein)  
 Applicant's Name: HOWARD COUNTY BUREAU OF HIGHWAYS  
 Address: 4300 ROUTE 32  
 City: BLENELLY State: MD Zip Code: 21737  
 Phone: 410-313-7471 Fax: \_\_\_\_\_  
 Email: hshieh@howardcountymd.gov

Estimated Construction Cost: \$ 150,000  
 Description of Work: NEW OFFICE TRAILER (24'x70')  
FOR CONSTRUCTION SITE / STAFF USE

Contractor Company: SPECIALIZED STRUCTURES INC.  
 Contact Person: KAM PETRYSZAK  
 Address: 2400 SPRINGHEAD CHURCH ROAD  
 City: WILLACOOCHEE State: GA Zip Code: 31606  
 License No.: \_\_\_\_\_  
 Phone: 813-245-0370 Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Occupant or Tenant: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Was tenant space previously occupied?  Yes  No

Engineer/Architect Company: BRADLEY  
 Responsible Design Prof.: JAMES BRADLEY  
 Address: 212 FOX TRAIL - PARKESBURG, PA 19365  
 City: PARKESBURG State: PA Zip Code: 19365  
 Phone: 610 857 2458 Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Contact Name: HOWARD SHIEN  
 Address: 4300 ROUTE 32  
 City: BLENELLY State: MD Zip Code: 21737  
 Phone: 410-313-7471 Fax: \_\_\_\_\_  
 Email: hshieh@howardcountymd.gov

Commercial Building Characteristics	Residential Building Characteristics	
Height: <u>≤ 15'</u>	<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	
No. of stories: <u>1</u>	<b>Depth</b> <b>Width</b>	
Gross area, sq. ft./floor: <u>1633 SF</u>	1 <sup>st</sup> floor:	
	2 <sup>nd</sup> floor:	
Area of construction (sq. ft.): <u>1650</u>	Basement:	
Use group: <u>BUSINESS</u>	<input type="checkbox"/> Finished Basement	
	<input type="checkbox"/> Unfinished Basement	
	<input type="checkbox"/> Crawl Space	
<b>Construction type:</b>	<input type="checkbox"/> Slab on Grade	
<input type="checkbox"/> Reinforced Concrete	No. of Bedrooms:	
<input type="checkbox"/> Structural Steel	<b>Multi-family Dwelling</b>	
<input type="checkbox"/> Masonry	No. of efficiency units:	
<input type="checkbox"/> Wood Frame	No. of 1 BR units:	
<input checked="" type="checkbox"/> State Certified Modular	No. of 2 BR units:	
	No. of 3 BR units:	
	Other Structure:	
	Dimensions:	
<input checked="" type="checkbox"/> Roadside Tree Project Permit	Footings:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roof:	
Roadside Tree Project Permit #:	<input type="checkbox"/> State Certified Modular	
	<input type="checkbox"/> Manufactured Home	

Utilities	
<b>Water Supply</b>	
<input checked="" type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
<b>Sewage Disposal</b>	
<input checked="" type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Electric: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gas: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Heating System</b>	
<input checked="" type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
<b>Sprinkler System:</b>	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Grading Permit Number:	
Building Shell Permit Number:	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: [Signature]  
 Email Address: dave.moriconi@aecom.com  
 Title/Company: PROJECT MANAGER /URS CORPORATION

Print Name: DAVID T. MORICONI  
 Date: 5/21/15

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY  
 \*\*PLEASE WRITE NEATLY & LEGIBLY\*\*  
 FOR OFFICE USE ONLY

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA ( Zoning )		
PSZA ( Engineering )		
Health	<u>6/1/15</u>	<u>[Signature]</u>

Is Sediment Control approval required for issuance?  Yes  No  
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION

Front: \_\_\_\_\_  
 Rear: \_\_\_\_\_  
 Side: \_\_\_\_\_  
 Side St.: \_\_\_\_\_  
 All minimum setbacks met?  Yes  No  
 Is Entrance Permit Required?  Yes  No  
 Historic District?  Yes  No  
 Lot Coverage for New Town Zone: \_\_\_\_\_  
 SDP/Red-line approval date: \_\_\_\_\_

Filing Fee	\$
Permit Fee	\$ <u>VIA</u>
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub- Total Paid	\$
Balance Due	\$
Check	<u>#no fee</u>

Distribution of Copies: White: Building Officials Green: PSZA,Zoning Yellow: PSZA,Engineering Pink: Health Gold: SHA

**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.
- 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.
- 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.
- SEE CROSS SECTION FOR ROOF TO WALL AND WALL TO FLOOR CONNECTION REQUIREMENTS.
- PORTABLE FIRE EXTINGUISHER PER N.F.P.A. - 10 INSTALLED BY OTHERS ON SITE, AND SUBJECT TO LOCAL JURISDICTION.
- PROVISIONS FOR EXIT DISCHARGE LIGHTING ARE THE RESPONSIBILITY OF THE BUILDING OWNER AND SUBJECT TO LOCAL JURISDICTION APPROVAL WHEN NOT SHOWN ON THE FLOOR PLAN (INCLUDING EMERGENCY LIGHTING, WHEN REQUIRED).
- 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.
- IN WIND-BORNE DEBRIS REGIONS, EXTERIOR GLAZING SHALL BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT RESISTANT COVERING MEETING THE REQUIREMENTS OF AN APPROVED IMPACT RESISTANT STANDARD, OR ASTM E1996. WIND-BORNE DEBRIS REGIONS ARE DESIGNATED IN SECTION 1609 OF THE IBC.
- WINDOWS AND DOORS MUST BE CERTIFIED FOR COMPLIANCE WITH THE WIND DESIGN PRESSURE FOR COMPONENTS AND CLADDING.
- STRUCTURAL DETAILS NOT INCLUDED IN THIS PLAN SET ARE TO BE CONSTRUCTED ACCORDING TO THE MANUFACTURERS STATE APPROVED BUILDING SYSTEM MANUAL.

**ELECTRICAL NOTES:**

- ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRICAL CODE (NEC).
- WHEN LIGHT FIXTURES ARE INSTALLED IN CLOSETS THEY SHALL BE SURFACE MOUNTED OR RECESSED. INCANDESCENT FIXTURES SHALL HAVE COMPLETELY ENCLOSED LAMPS. SURFACE MOUNTED INCANDESCENT FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 6 INCHES FROM "STORAGE AREA" AS DEFINED BY NEC 410-8(b).
- WHEN WATER HEATERS ARE INSTALLED THEY SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE WATER HEATERS SERVED. THE BRANCH CIRCUIT SWITCH OR CIRCUIT BREAKER SHALL BE PERMITTED TO SERVE AS THE DISCONNECTING MEANS ONLY WHERE THE SWITCH OR CIRCUIT BREAKER IS WITHIN SIGHT FROM THE WATER HEATER OR IS CAPABLE OF BEING LOCKED IN THE OPEN POSITION.
- HVAC EQUIPMENT SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE EQUIPMENT SERVED. A UNIT SWITCH WITH A MARKED "OFF" POSITION THAT IS A PART OF THE HVAC EQUIPMENT AND DISCONNECTS ALL UNGROUNDED CONDUCTORS SHALL BE PERMITTED AS THE DISCONNECTING MEANS WHERE OTHER DISCONNECTING MEANS ARE ALSO PROVIDED BY A READILY ACCESSIBLE CIRCUIT BREAKER.
- PRIOR TO ENERGIZING THE ELECTRICAL SYSTEM THE INTERRUPTING RATING OF THE MAIN BREAKER MUST BE DESIGNED AND VERIFIED AS BEING IN COMPLIANCE WITH SECTION 110-9 OF THE NEC BY LOCAL ELECTRICAL CONSULTANT.
- THE MAIN ELECTRICAL PANEL AND FEEDERS ARE DESIGNED BY OTHERS, SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION APPROVAL.
- ALL CIRCUITS CROSSING OVER MODULE MATING LINES SHALL BE SITE CONNECTED WITH APPROVED ACCESSIBLE JUNCTION BOXES, OR CABLE CONNECTORS.
- ALL RECEPTACLES INSTALLED IN WET LOCATIONS (EXTERIOR) SHALL BE IN WEATHER PROOF (WP) ENCLOSURES, THE INTEGRITY OF WHICH IS NOT AFFECTED WHEN AN ATTACHMENT PLUG CAP IS INSERTED OR REMOVED. THE RECEPT ITSELF SHALL ALSO BE LISTED FOR DAMP AND WET LOCATIONS AS PER NEC.
- EXTERIOR LIGHTS NOT INTENDED FOR 24 HOUR USE SHALL BE CONNECTED TO A PHOTOCELL OR TIMER.

**PLUMBING NOTES:**

- TOILETS SHALL BE FLOUNGATED WITH NONABSORBENT OPEN FRONT SEATS.
- REST ROOM WALLS SHALL BE COVERED WITH NONABSORBENT MATERIAL TO A MINIMUM HEIGHT OF 48 INCHES A.F.F. FLOORS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 6 INCHES.
- CUSTOMER ASSUMES ALL RESPONSIBILITY FOR REQUIRED PLUMBING FACILITIES WHEN NOT SHOWN ON PLANS.
- ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUTOFF VALVES.
- WATER HEATER SHALL HAVE SAFETY PAN WITH 1 INCH DRAIN TO EXTERIOR, T & P RELIEF VALVE WITH DRAIN TO EXTERIOR, AND A SHUT OFF VALVE WITHIN 3 FEET ON A COLD WATER SUPPLY LINE.
- DWV SYSTEM SHALL BE EITHER ABS OR PVC - DWV.
- WATER SUPPLY LINES SHALL BE CPVC, OR COPPER, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS LIMITATIONS AND INSTRUCTIONS.
- WATER CLOSETS ARE TANK TYPE AND URINALS ARE FLUSH TANK TYPE UNLESS OTHERWISE SPECIFIED.
- BUILDING DRAIN AND CLEANOUTS ARE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
- SHOWERS SHALL BE CONTROLLED BY AN APPROVED MIXING VALVE WITH A MAXIMUM WATER OUTLET TEMPERATURE OF 120°F (48.8°C).
- THERMAL EXPANSION DEVICE, IF REQUIRED BY WATER HEATER INSTALLED, AND IF NOT SHOWN ON PLUMBING PLAN, IS DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL APPROVAL.
- WATER PIPES INSTALLED IN A WALL EXPOSED TO THE EXTERIOR SHALL BE LOCATED ON THE HEATED SIDE OF THE WALL INSULATION. WATER PIPING INSTALLED IN AN UNCONDITIONED ATTIC SHALL BE INSULATED WITH AN INSULATION OF R-6.5 MINIMUM.
- PIPING IN UNCONDITIONED SPACES MUST BE PROTECTED WITH INSULATION HAVING A MINIMUM R FACTOR OF 6.5 IN ACCORDANCE WITH SECTION 305.6.
- TEMPERATURE ACTUATED MIXING VALVES WHICH ARE INSTALLED TO REDUCE WATER TEMPERATURE TO DEFINE LIMITS SHALL COMPLY WITH ASSE 1017.
- TEMPERED WATER SHALL BE SUPPLIED THROUGH A WATER TEMP LIMITING DEVICE THAT CONFORMS TO ASSE 1070 AND SHALL LIMIT THE TEMPERED WATER TO A MAX OF 120°F (43°C).
- THIS BUILDING SHALL BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.
- THE USE OF THIS BUILDING WITHOUT THE REQUIRED PLUMBING FACILITIES IS SUBJECT TO APPROVAL BY AUTHORITY HAVING JURISDICTION.

**ACCESSIBILITY NOTES:**

- THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN SHALL BE DISPLAYED AT ALL ACCESSIBLE RESTROOM FACILITIES 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 36 INCHES ABOVE THE FLOOR AND EDGE OF BASIN NO HIGHER THAN 34 INCHES ABOVE THE FLOOR FOR INDIVIDUALS IN WHEELCHAIRS. ADDITIONALLY, DRINKING WATER PROVISIONS SHALL BE MADE FOR INDIVIDUALS WHO HAVE DIFFICULTY BENDING.
- WHERE STORAGE FACILITIES 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 (I.E. TOUCH LATCHES, U-SHAPED PULLS); SPACES SHALL BE 16 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE 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 SEAT EXCEEDS 10 INCHES); SHELVES IN KITCHENS OR TOILET ROOMS SHALL BE 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE IN FLOOR.
- CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE NO HIGHER THAN 48 INCHES ABOVE THE FLOOR. RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15 INCHES ABOVE THE FLOOR. EXCEPTION: HEIGHT LIMITATIONS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE OR WHERE ELECTRICAL RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS.
- 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 80 INCHES ABOVE THE FLOOR OR 6 INCHES BELOW CEILING, WHICH-EVER IS LOWER.
- ALL 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 MAXIMUM FORCE REQUIRED FOR PUSHING OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL NOT EXCEED 5 LBS. FOR ALL SLIDING, FOLDING, AND INTERIOR HINGED DOORS.
- FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP-RESISTANT. CHANGES IN LEVEL BETWEEN 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 RAMP. CARPET PILE THICKNESS 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.
- ACCESSIBLE WATER CLOSETS SHALL BE 17 INCHES TO 19 INCHES, MEASURED FROM THE FLOOR TO THE TOP OF THE SEAT. GRAB BARS SHALL BE 36 INCHES LONG MINIMUM WHEN LOCATED BEHIND WATER CLOSET AND 42 INCHES MINIMUM WHEN LOCATED ALONG SIDE OF WATER CLOSET, AND SHALL BE MOUNTED 33 INCHES TO 36 INCHES ABOVE THE FLOOR. IN ADDITION, A VERTICAL GRAB BAR 18 INCHES MINIMUM IN LENGTH SHALL BE MOUNTED ON THE SIDEWALL WITH THE BOTTOM OF THE BAR LOCATED BETWEEN 39 AND 41 INCHES ABOVE THE FLOOR, AND WITH THE CENTER LINE OF THE BAR LOCATED BETWEEN 39 INCHES AND 41 INCHES FROM THE REAR WALL.
- ACCESSIBLE URINALS SHALL BE STALL-TYPE OR WALL HUNG WITH ELONGATED RIMS AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR.
- ACCESSIBLE LAVATORIES AND SINKS SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34 INCHES ABOVE THE FLOOR (THIS EXCLUDES SINKS IN CABINETS). KNEE CLEARANCE OF AT LEAST 27 INCHES HIGH MUST BE PROVIDED WITH A MINIMUM DEPTH OF 8 INCHES BENEATH THE FIXTURE, AND 9 INCHES HIGH MINIMUM WITH A MINIMUM DEPTH OF 11 INCHES BENEATH THE FIXTURE. THE KNEE SPACE MUST BE AT LEAST 30 INCHES WIDE.
- HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. INSULATION OR PROTECTION MATERIALS MAY BE SITE INSTALLED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER ACCESSIBLE LAVATORIES AND SINKS.
- ACCESSIBLE LAVATORIES AND SINKS SHALL HAVE ACCESSIBLE FAUCETS (I.E. LEVER-OPERATED, PUSH TYPE, ELECTRONICALLY CONTROLLED).
- MIRRORS LOCATED ABOVE LAVATORIES, SINKS OR COUNTERS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE A MAXIMUM OF 40 INCHES ABOVE THE FLOOR. OTHER MIRRORS IN TOILET ROOMS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES MAXIMUM ABOVE THE FLOOR.
- GRAB BARS HAVING A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1.25 INCHES MINIMUM AND 2.0 INCHES MAXIMUM. THE SPACE BETWEEN THE GRAB BAR AND THE WALL SHALL BE 1.5 INCHES.
- WATER CLOSET FLUSH CONTROL SHALL BE INSTALLED A MAXIMUM OF 36 INCHES ABOVE THE FLOOR AND SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.
- DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (I.E. LEVER - OPERATED, PUSH TYPE, U-SHAPED) MOUNTED WITH OPERABLE PARTS BETWEEN 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR.
- TOILET STALL DOORS SHALL BE THE SELF-CLOSING TYPE.
- A TOWEL DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVATORIES.

**MECHANICAL NOTES:**

- ALL SUPPLY AIR REGISTERS SHALL BE 24 INCHES x 24 INCHES ADJUSTABLE WITH 10 INCHES x 20 INCHES (INSIDE) OVERHEAD FIBERGLASS DUCTS. 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-5.5 INSULATION.
- INTERIOR DOORS SHALL BE UNDERCUT 1.5 INCHES ABOVE FINISHED FLOOR FOR AIR RETURN AND/OR AS NOTED ON FLOOR PLAN.
- HVAC EQUIPMENT SHALL BE EQUIPPED W/OUTSIDE FRESH AIR INTAKES PROVIDING 5 CFM PER OCCUPANT & 0.08 CFM PER S.F. OF BLDG. AREA PER SECTION 403.3 OF IBC.
- EXHAUST FANS SHALL PROVIDE A MINIMUM OF 75 CFM FOR EACH WATER CLOSET AND URINAL AND VENTILATE TO EXTERIOR OF BUILDING.
- VENT FANS SHALL BE DUCTED TO THE EXTERIOR AND TERMINATE AT AN APPROVED VENT CAP.

**MARYLAND NOTES:**

- REFER TO STATE PACKAGE PAGE NO. D24.0 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, WASHINGTON, FREDERICK, CARROLL
- 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.
- 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 RELATED TO SITE WORK, INCLUDING SITE AND DEVELOPMENT DRAWINGS, SHALL BE SUBMITTED TO THE LOCAL GOVERNMENT AGENCY FOR REVIEW AND APPROVAL.
- THE INITIAL INSTALLATION OF THIS BUILDING IS NOT IN THE STATE OF MARYLAND, THEREFORE A MD. SITE PLAN CANNOT BE PROVIDED. IF THIS BUILDING IS TO BE INSTALLED IN THE FUTURE, A SITE PLAN SHALL BE ATTACHED TO THE PERMIT APPLICATION FOR THE BUILDING.

**WINDOW & DOOR SPECIFICATIONS**

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

**STRUCTURAL LOAD LIMITATIONS**

BUILDING OCCUPANCY CATEGORY: B

FLOOR LIVE LOAD:  
A. 50 PSF  
B. 2000 LB. CONCENTRATED LOAD OVER 30 INCH x 30 INCH AREA LOCATED ANYWHERE ON FLOOR

ROOF LIVE LOAD:  
A. 20 PSF

ROOF SNOW LOAD:  
A. P<sub>g</sub> = 35 PSF GROUND SNOW LOAD  
B. P<sub>f</sub> = 27.3 PSF FLAT ROOF SNOW LOAD  
C. C<sub>e</sub> = 1.0 SNOW EXPOSURE FACTOR  
D. I<sub>s</sub> = 1.0 SNOW IMPORTANCE FACTOR  
E. C<sub>t</sub> = 1.1 SNOW THERMAL FACTOR

WIND LOAD: ASCE 7-05  
A. 130 WIND SPEED  
B. I<sub>w</sub> = 1.0 WIND IMPORTANCE FACTOR  
C. C WIND EXPOSURE CATEGORY  
D. C<sub>qz</sub> = 0.18 INTERNAL PRESSURE COEFFICIENT  
E. P<sub>r</sub>: ZONE 1: 34.8 PSF P<sub>r</sub> ZONE 4: 38.2 PSF  
ZONE 2: 55.2 PSF ZONE 3: 48.0 PSF  
ZONE 3: 92.9 PSF

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

SEISMIC LOAD:  
A. I<sub>e</sub> = 1.0 SEISMIC IMPORTANCE FACTOR  
B. D SITE CLASS  
C. A1.3 SEISMIC FORCE RESISTING SYSTEM  
D. D SEISMIC DESIGN CATEGORY  
E. EQUIVALENT LATERAL FORCE ANALYSIS PROCEDURE  
F. S<sub>p</sub> = 0.537 MAPPED SPECTRAL RESPONSE COEF.  
G. S<sub>1</sub> = 0.285 MAPPED SPECTRAL RESPONSE COEF.  
H. S<sub>0.1</sub> = 0.49 SPECTRAL RESPONSE COEFFICIENT  
I. S<sub>0.2</sub> = 0.19 SPECTRAL RESPONSE COEFFICIENT  
J. V = 3789 LB DESIGN BASE SHEAR  
K. R = 6.5 RESPONSE MODIFICATION COEFFICIENT  
L. C<sub>s</sub> = 0.08 SEISMIC RESPONSE COEFFICIENT

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

**ATTENTION LOCAL INSPECTIONS DEPARTMENT**

**SITE INSTALLED ITEMS**

THE FOLLOWING ITEMS HAVE NOT BEEN COMPLETED BY THE MANUFACTURER, HAVE NOT BEEN INSPECTED BY RADCO 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 LOCAL LEVEL.

- THE COMPLETE FOUNDATION SUPPORT AND THE DOWN SYSTEM.
- RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
- PORTABLE FIRE EXTINGUISHER(S).
- BUILDING DRAINS, CLEANOUTS, SERVICE SINK DRINKING FOUNTAIN, AND HOOP-UP TO PLUMBING SYSTEM.
- ELECTRICAL SERVICE HOOP-UP (INCLUDING FEEDERS) TO THE BUILDING.
- THE MAIN ELECTRICAL PANEL AND SUB-FEEDERS
- CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATELINE(S) - (MULTI-UNITS ONLY).
- STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI-UNITS ONLY).

**BUILDING DESIGN PARAMETERS**

1. USE/OCCUPANCY:	BUSINESS
2. CONSTRUCTION TYPE:	VB
3. SPRINKLER SYSTEM:	NO
4. BUILDING AREA:	1633 S.F.
5. BUILDING HEIGHT:	≤ 15 FEET
6. NUMBER OF STORIES:	1
7. NUMBER OF MODULES:	2
8. OCCUPANT LOAD 12 BASED ON 100 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. ENERGY CODE COMPLIANCE: SEE ATTACHED ENERGY CALCULATIONS.	
12. MANUFACTURERS DATA PLATE, STATE LABELS AND RADCO LABELS ARE TO BE LOCATED ADJACENT TO ELECTRICAL PANEL.	

**APPROVED**  
**RADCO**  
Jul 22, 2014  
**APPROVED**

**PROFESSIONAL CERTIFICATION:**

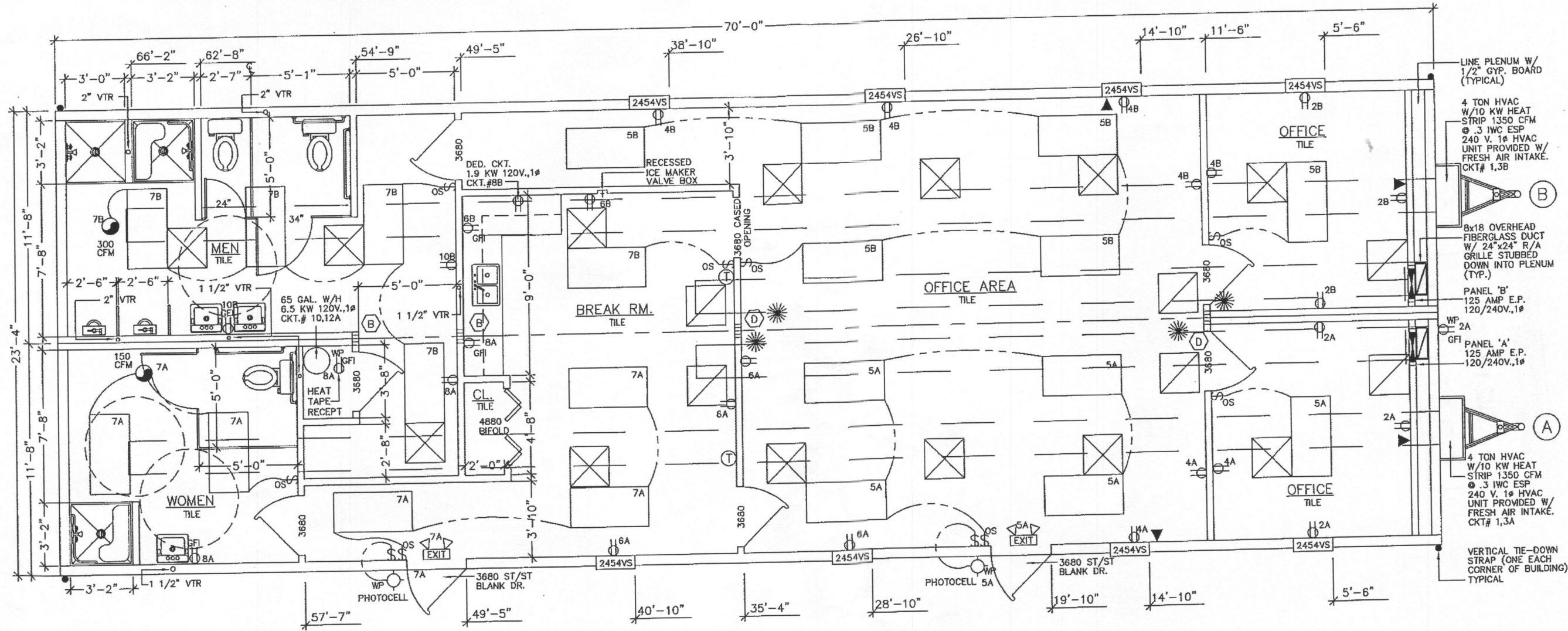
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 8588. EXPIRATION DATE: 6-6-16

CODE SUMMARY:						
STATE	BUILDING	ELECTRICAL	MECHANICAL	PLUMBING	ACCESSIBILITY	ENERGY CODE
MARYLAND	2012 IBC W/ MD. AMENDMENTS 2012 NFPA 101 W/ MD. AMENDMENTS	2011 NEC	2012 IMC	2012 IPC W/ MD. AMEND.	ADAAG 2012 MARYLAND ACCESS. CODE	2012 IECC

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



<b>SPECIALIZED STRUCTURES INC.</b> 2400 SPRINGHEAD CHURCH ROAD 1-912-384-7565		WILLAGOCOCHEE, GA 31650 5801 BENJAMIN CENTER, SUITE 102 TAMPA, FLORIDA 33634 813-243-0370	
DATE: 7-17-14	THIRD PARTY: RADCO	BY: J.B.	
SCALE: NO SCALE	REVISIONS:	FRM SIZE: (2) 11'8" x 70'-0"	
STATES: MD.	SS14488 A/B 24 x 70 BUSINESS		SHEET
COVER SHEET	DESTINATION: HOWARD CO.		1 OF 6



LINE PLENUM W/  
1/2" GYP. BOARD  
(TYPICAL)

4 TON HVAC  
W/10 KW HEAT  
STRIP 1350 CFM  
3 IWC ESP  
240 V. 1Ø HVAC  
UNIT PROVIDED W/  
FRESH AIR INTAKE.  
CKT# 1,3B

8x18 OVERHEAD  
FIBERGLASS DUCT  
W/ 24"x24" R/A  
GRILLE STUBBED  
DOWN INTO PLENUM  
(TYP.)

PANEL 'B'  
125 AMP E.P.  
120/240V, 1Ø

PANEL 'A'  
125 AMP E.P.  
120/240V, 1Ø

4 TON HVAC  
W/10 KW HEAT  
STRIP 1350 CFM  
3 IWC ESP  
240 V. 1Ø HVAC  
UNIT PROVIDED W/  
FRESH AIR INTAKE.  
CKT# 1,3A

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

SYMBOLS	
<b>J-BOXES ONLY.</b>	
[P] FIRE ALARM PULL STATION	[□] RETURN AIR REGISTER
[H] FIRE ALARM HORN/STROBE	[□] FLOOD LIGHT 2-150W BULBS
[S] FIRE ALARM STROBE LIGHT	[⊙] THERMOSTAT
[J] JUNCTION BOX (NON POWERED UNLESS CIRCUIT NO. IS SHOWN)	[□] FLUORESCENT FIXTURE WITH 2-32W TUBES
[S] SMOKE DETECTOR	[⊗] EXIT/EMERGENCY COMBO W/BATTERY BACKUP
[D] DUPLEX RECEPTACLE 120 V.	[⊗] EXIT/EMERGENCY COMBO W/REMOTE HEAD W/BATTERY BACKUP
[S] SINGLE RECEPTACLE 240 V.	[EXIT] EXIT/EMERGENCY COMBO W/BATTERY BACKUP
[I] INCANDESCENT LIGHT WITH 1-60 W. BULB	[EXIT] EXIT SIGN W/BATTERY BACKUP
[C] COMPACT FLUORESCENT LIGHT 1-80 W. BULB	[□] EMERGENCY LIGHT WITH BATTERY BACKUP
[H] HIGH PRESSURE SODIUM LIGHT	[T] TELEPHONE JACK
[M] METAL HALIDE WALL PACK	[S] SWITCH & 3 WAY SWITCH
[V] VENT FAN	[OS] OCCUPANCY SENSOR SWITCH
[C] COMB. VENT FAN & LIGHT	[F.E.] FIRE EXTINGUISHER
[S] SUPPLY AIR REGISTER	

ELECTRICAL SCHEDULE 'A'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	80 A (2P) HACR	6-2 #10 GRND.
6, 10	DED. CKT. 1.9KW 120V, 1Ø	20 A (1P)	12-2 NM
2, 4	RECEPTACLES/FAN	20 A	12-2 NM
5, 7	LIGHTING/FANS	20 A	12-2 MC

ELECTRICAL PANEL SIZING:		
DESCRIPTION	PANEL 'A'	KVA
GENERAL LIGHTING	.0035 KW/SF X 816 SF X 1.25=	3.6
12 RECEPTS AT 180VA/1000=		2.2
WATER HEATER 1.9 KW X 1.25 =		2.4
1 FANS AT .3 KW X 1.25=		.4
HVAC		10.5
TOTAL	19.1 KW	
TOTAL/240 X 1000=	80 AMPS	
INSTALL	125 AMP PANEL	
	120/240 V 1Ø	

NOTE:  
NM CABLE SHALL NOT BE USED WHERE INTERIOR FINISH HAS LESS THAN A 15 MIN. FIRE RATING TYPE AC OR OTHER APPROVED WIRING METHODS SHALL BE USED WHEN USING LESS THAN 1/2" GYP. WALL SHEATHING.

ELECTRICAL SCHEDULE 'B'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	80 A (2P) HACR	6-2 #10 GRND.
10, 12	WATER HEATER	30 A (1P)	10-2 NM
2, 4, 6, 8	RECEPTACLES/FAN	20 A	12-2 NM
5, 7	LIGHTING/FANS	20 A	12-2 MC

ELECTRICAL PANEL SIZING:		
DESCRIPTION	PANEL 'B'	KVA
GENERAL LIGHTING	.0035 KW/SF X 816 SF X 1.25=	3.6
13 RECEPTS AT 180VA/1000=		2.4
WATER HEATER 6.5 KW =		6.5
1 FANS AT .3 KW X 1.25=		.4
HVAC		10.5
TOTAL	23.4 KW	
TOTAL/240 X 1000=	98 AMPS	
INSTALL	125 AMP PANEL	
	120/240 V 1Ø	

APPROVED **RADCO** APPROVED  
Jul 22, 2014

PROFESSIONAL CERTIFICATION:  
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COLUMN STRAPPING SCHEDULE:	
(A) (2) 2x4 SPF #2 THIS HALF.	(B) (2) 2x4 SPF #2 EACH HALF
(C) (3) 2x4 SPF #2 THIS HALF.	(D) (3) 2x4 SPF #2 EACH HALF.
(E) (4) 2x4 SPF #2 THIS HALF.	(F) (4) 2x4 SPF #2 EACH HALF.
(G) (5) 2x4 SPF #2 THIS HALF.	(H) (5) 2x4 SPF #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.  
2. INSTALL TWO STEEL STRAPS AT EACH STUD OF EACH COLUMN.  
3. COLUMN STUDS SHALL NOT BE NOTCHED OR BORED.

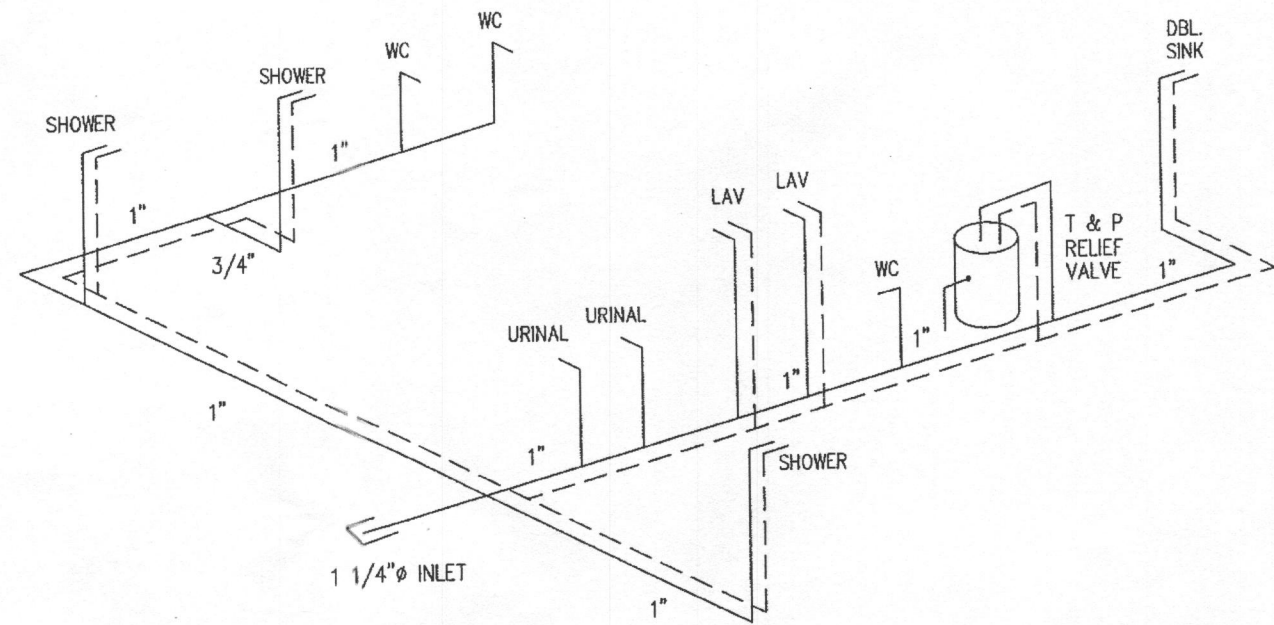
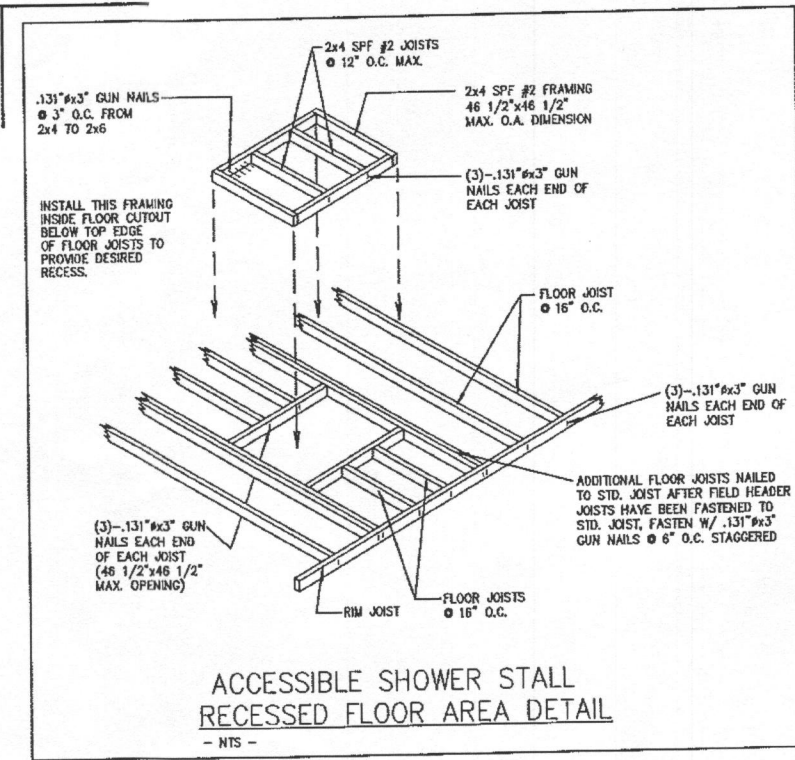
CONSULTING ENGINEER JAMES BRADLEY, P.E. — 212 FOX TRAIL — PARKESBURG, PA. 19365 — (610) 857-2458

**SPECIALIZED STRUCTURES INC.**  
2400 SPRINGHEAD CHURCH ROAD WILLACOOCHEE, GA 31850  
1-912-384-7565 FAX: 1-912-384-4943

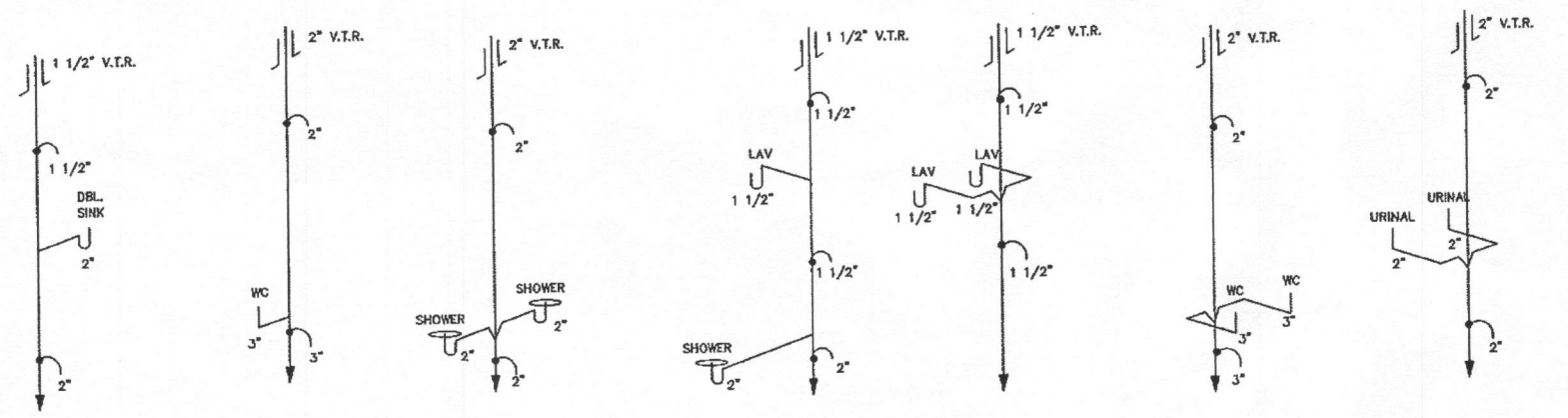
DATE: 7-17-14 THIRD PARTY: RADCO  
SCALE: 3/16"=1'-0" 5801 BENJAMIN CENTER, SUITE 102  
TAMPA, FLORIDA 33634  
813-243-0370

CODES: SEE NOTES REVISIONS:  
STATES: MD. BY: J.B.  
FRME SIZE: (2) 11'8" X 70'-0" SHEET  
SSI4488 A/B 24 x 70 BUSINESS DESTINATION: 2 OF 6  
FLOOR PLAN HOWARD CO.

STATE OF MARYLAND  
JAMES BRADLEY  
No. 8588  
PROFESSIONAL ENGINEER



SUPPLY LINE SIZING IS BASED ON AN ASSUMED AVAILABLE PRESSURE OF 46 TO 60 PSI AT MAIN INLET AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.  
 --- COLD  
 --- HOT  
 ALL SUPPLY LINES SHALL BE 3/4", ALL STUB-UPS SHALL BE 1/2" UNLESS OTHERWISE SPECIFIED.



**APPROVED RADCO APPROVED**  
 Jul 22, 2014

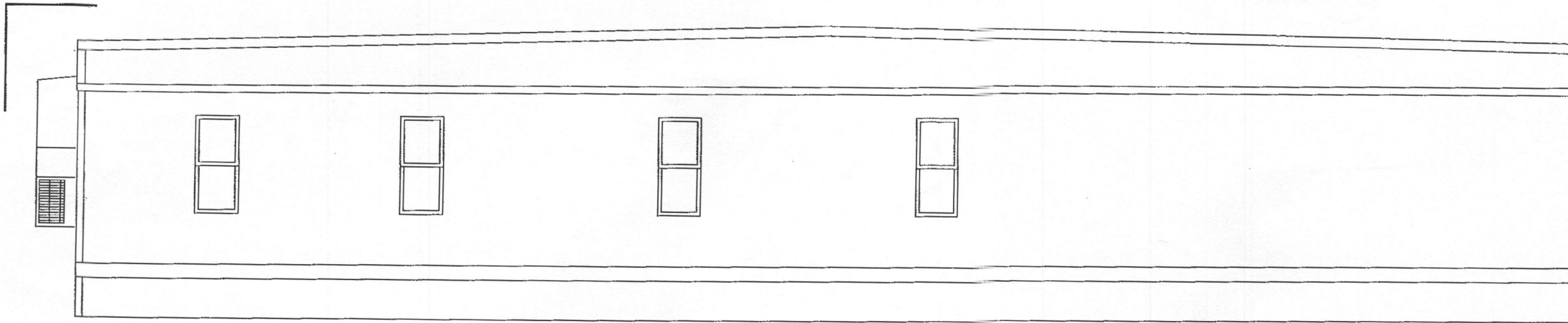
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CONSULTING ENGINEER JAMES BRADLEY, P.E. - 212 FOX TRAIL - PARKESBURG, PA. 19365 - (610) 857-2458

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 2400 SPRINGHEAD CHURCH ROAD WILLACOCOCHEE, GA 31850  
 1-912-384-7565 FAX: 1-912-384-4943

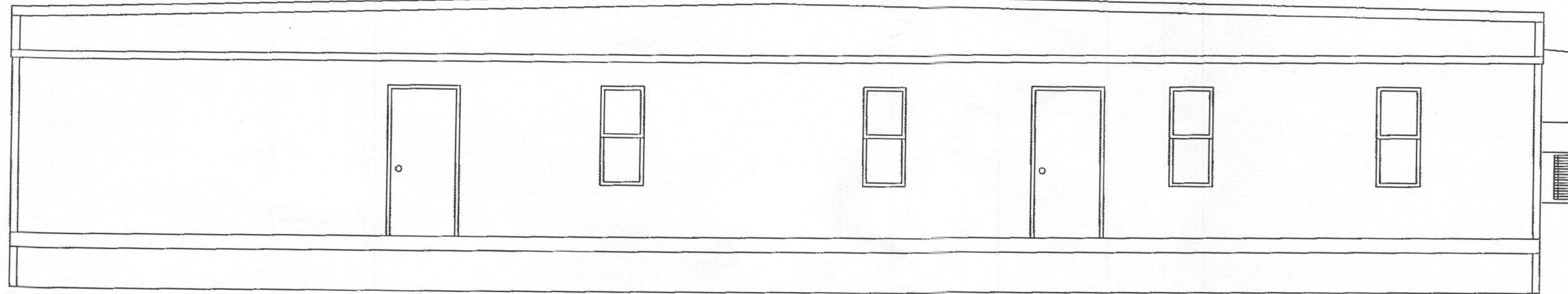
DATE: 7-17-14	THIRD PARTY: RADCO
SCALE: NTS	5801 BENJAMIN CENTER, SUITE 102
CODES: SEE NOTES	TAMPA, FLORIDA 33634
STATES: MD.	813-243-0370
FRME SIZE: (2) 11'8"x 70'-0"	BY: J.B.
SSI4488 A/B 24 x 70 BUSINESS	SHEET
RISER PLAN	DESTINATION: HOWARD CO. 3 OF 6

**JAMES E. BRADLEY**  
 PROFESSIONAL ENGINEER  
 No. 8588

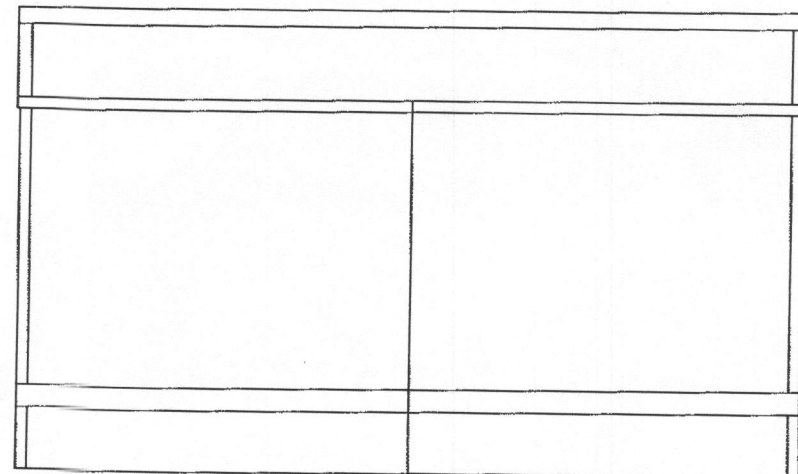


REAR ELEVATION

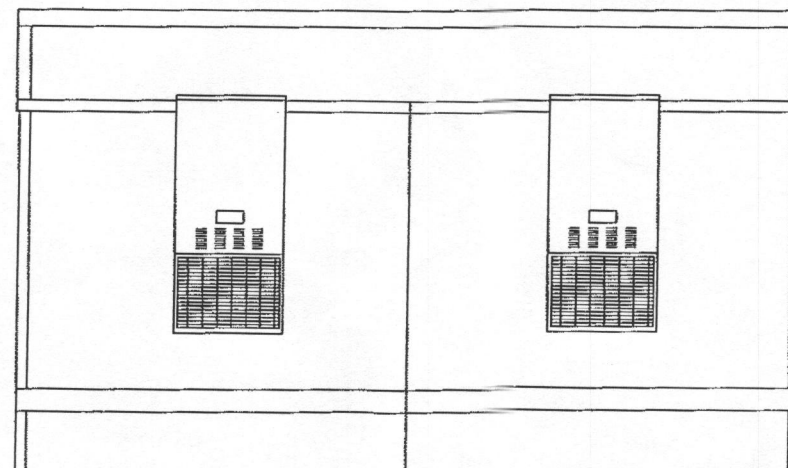
ELEVATION NOTES: TYPICAL  
 SEE-CROSS SECTION FOR METHOD OF ROOF VENTILATION  
 ACCESSIBLE RAMP(S), STAIR(S), AND HANDRAILS ARE SITE INSTALLED, DESIGNED BY OTHERS, AND SUBJECT TO LOCAL JURISDICTION.  
 FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA PER 1/150TH OF THE FLOOR AREA, AND AN 18" X 24" MINIMUM CRAWL SPACE ACCESS, SITE INSTALLED BY OTHERS SUBJECT TO LOCAL JURISDICTION.



FRONT ELEVATION



LEFT ELEVATION

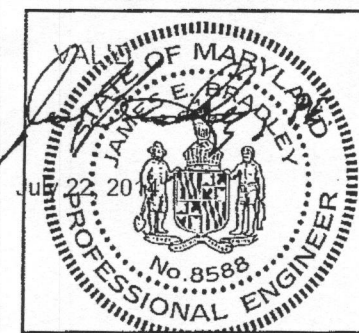


RIGHT ELEVATION

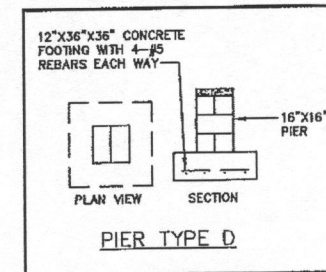
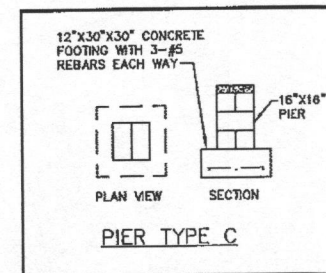
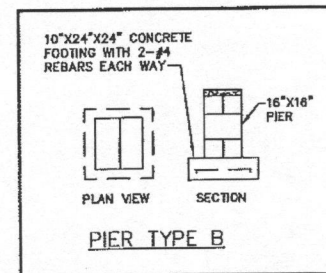
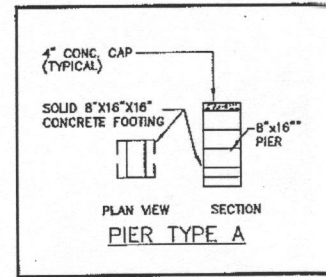
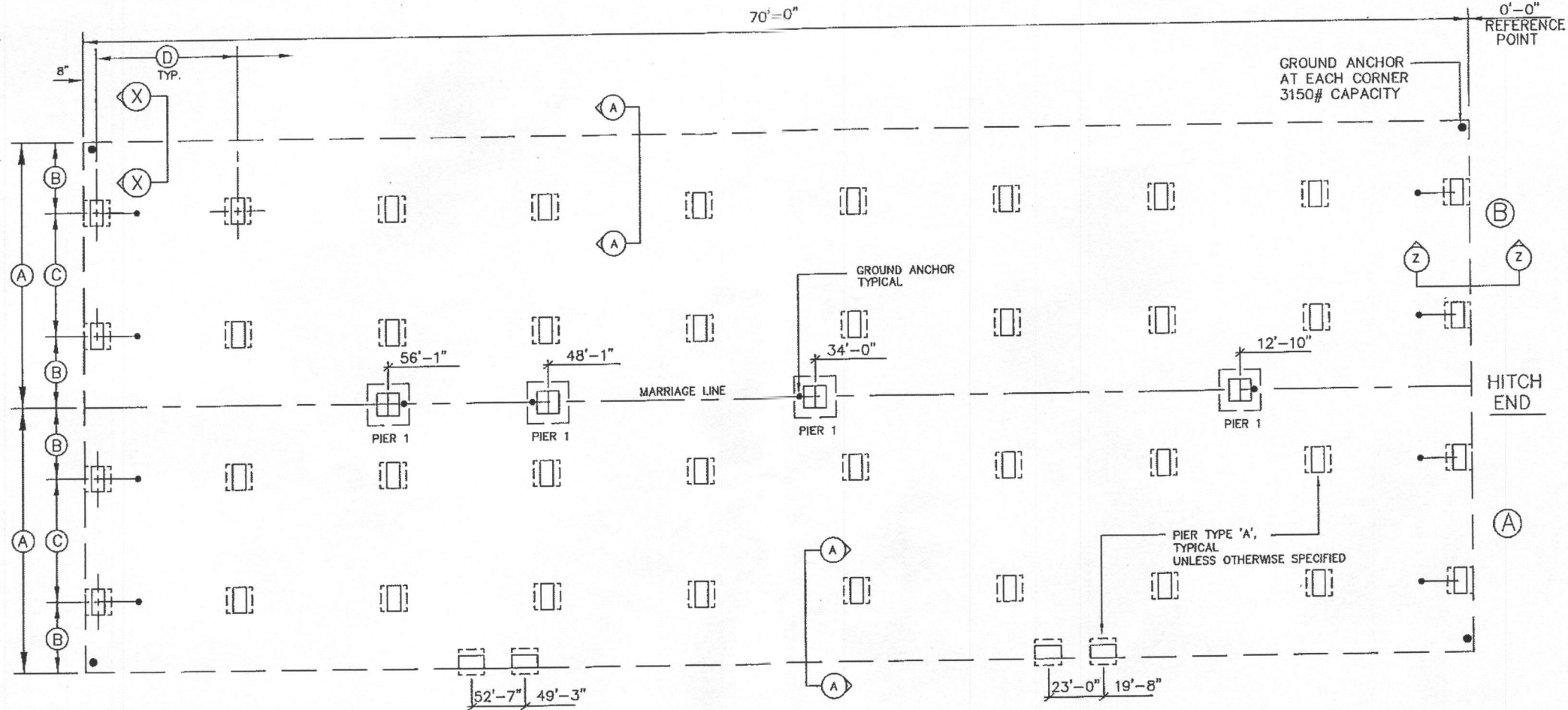
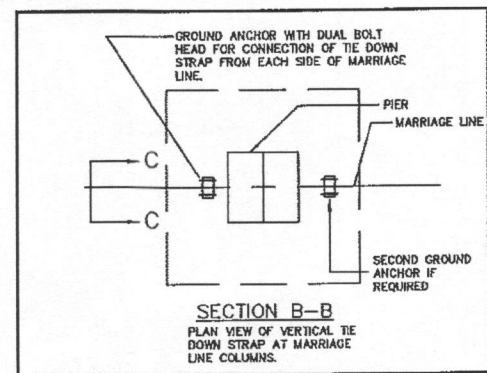
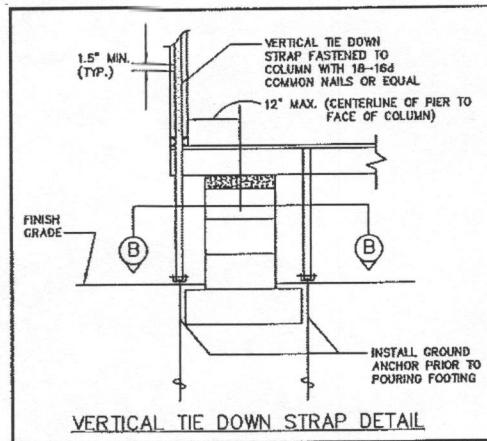
APPROVED **RADCO** APPROVED  
 Jul 22, 2014

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 EXPIRATION DATE: 6-6-16

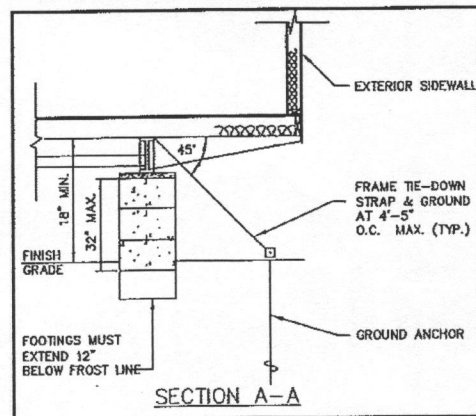
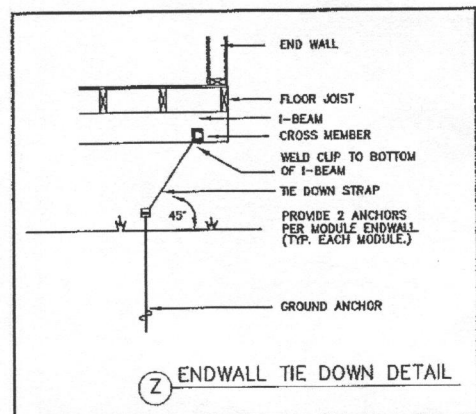
CONSULTING ENGINEER JAMES BRADLEY, P.E. — 212 FOX TRAIL— PARKESBURG, PA. 19365 — (610) 857-2458



<b>SPECIALIZED STRUCTURES INC.</b> 2400 SPRINGHEAD CHURCH ROAD 1-912-384-7565		WILLACOCHEE, GA 31650 FAX: 1-912-384-4943	
DATE: 7-17-14	THIRD PARTY: RADCO 5801 BENJAMIN CENTER, SUITE 102 TAMPA, FLORIDA 33634 813-243-0370		
SCALE: 3/16"=1'-0"	REVISIONS:	BY: J.B.	
CODES: SEE NOTES	FRME SIZE: (2) 11'8"x 70'-0"		
STATES: MD.	SHEET 4 OF 6		
SSI4488 A/B 24 x 70 BUSINESS ELEVATIONS		DESTINATION: HOWARD CO.	

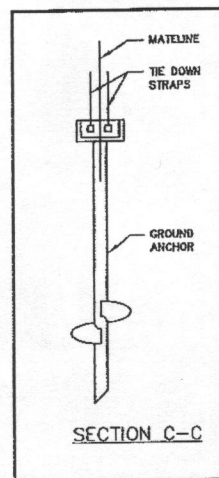


- FOUNDATION NOTES:**
- ALL FOUNDATION CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
  - TIE-DOWN STRAPS TO BE 1-1/4" x .035" TYPE-1, FINISH B, GRADE 1 ZINC COATED STEEL STRAPPING CERTIFIED BY A REGISTERED ENGINEER OR ARCHITECT AS CONFORMING WITH ASTM D3953-91. TIE DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE 3150# MINIMUM WORKING CAPACITY.
  - EACH GROUND ANCHOR SHALL HAVE A WORKING CAPACITY NO LESS THAN THE SUM OF THE REQUIRED WORKING CAPACITIES OF ALL THE 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 HELICES, 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.
  - 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 SURFACE BONDING CEMENT INSTALLED IN ACCORDANCE WITH ITS LISTING. PIER FOOTINGS SHALL BE AS DESCRIBED ABOVE.
  - 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.
  - SEE SHEET 1 OF 6 FOR DESIGN LOADS
  - I-BEAM SUPPORT PIERS MAY BE INSTALLED LATERALLY (90° FROM THE ORIENTATION SHOWN ON THE FOUNDATION PLAN), CENTERLINE OF EACH PIER MUST BE LOCATED DIRECTLY BELOW THE I-BEAM CENTERLINE.
  - 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.
  - 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.



**MARRIAGE WALL PIER REQUIREMENTS**

PIER NUMBER	MINIMUM SOIL BEARING CAPACITY	PIER TYPE	NUMBER OF VERTICAL TIE DOWN STRAPS REQ'D (EACH MODULE)
1	2000 PSF	D	1
	3000 PSF	C	1
	2000 PSF		
	3000 PSF		



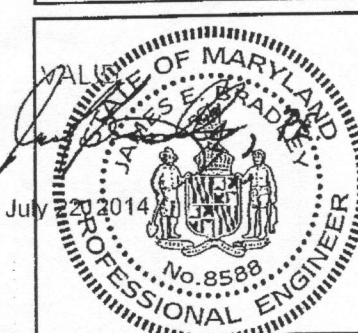
**NOTE:** THE NUMBER OF PIERS SHOWN ON THIS FOUNDATION PLAN IS NO INDICATION OF THE AMOUNT OF PIERS REQUIRED AND NEEDED FOR THIS BUILDING. SEE MAXIMUM PIER SPACING CHART TO THE RIGHT FOR THE CORRECT NUMBER OF PIERS REQUIRED FOR EACH SOIL BEARING CAPACITY.

**FOUNDATION DIMENSIONS**

A	B	C
MODULE WIDTH	PIER TO MODULE EDGE	STEEL BEAM SPACING
11'-8"	34 1/4"	95 1/2"
D	MINIMUM SOIL BEARING CAPACITY	
MAXIMUM PIER SPACING		
6'-2" 7'-11"	2000 PSF 3000 PSF	

APPROVED **RADCO** APPROVED  
Jul 22, 2014

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



**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.

**PROFESSIONAL CERTIFICATION:**  
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**SPECIALIZED STRUCTURES INC.**  
2400 SPRINGHEAD CHURCH ROAD WILLACOOCHEE, GA 31650  
1-912-384-7565 FAX: 1-912-384-4943

DATE: 7-17-14 THIRD PARTY: RADCO  
SCALE: NTS 5801 BENJAMIN CENTER, SUITE 102  
CODES: SEE NOTES REVISIONS: TAUNTA, FLORIDA 33634  
STATES: MD. BY: J.B.  
FRME SIZE: (2) 11'-8 x 70'-0 SHEET  
SS14488 A/B 24 x 70 BUSINESS DESTINATION: 5 OF 6  
FOUNDATION PLAN

**EXTERIOR FINISH MATERIAL:**

ROOF - MULE-HIDE 45 MIL (BLACK) EPDM FULLY ADHERED IN ACCORDANCE WITH ESR-1776 OVER 7/16" MULE-HIDE FR DECK PANEL 'C' INSTALLED PER MANUFACTURERS SPECIFICATIONS.

WALL - HARDI-PANEL SIDING (SERRIA W/VERT GROOVES) OVER APPROVED MOISTURE BARRIER INSTALLED PER MANUFACTURERS SPECIFICATIONS

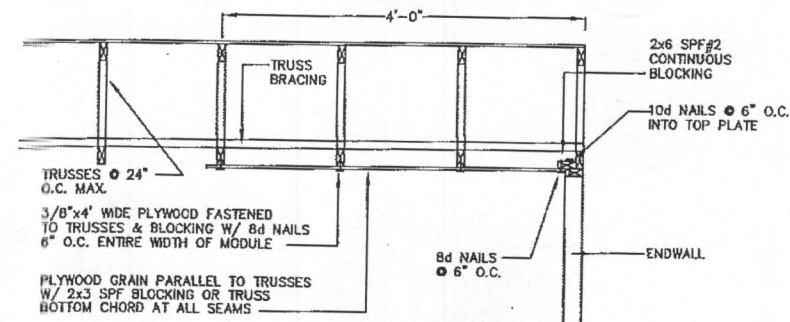
**INTERIOR FINISH MATERIAL:**

CEILING - T-GRID CEILING INSTALLED PER MANUFACTURER'S SPECIFICATIONS

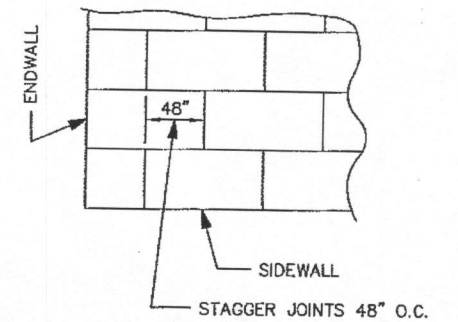
WALL - 1/2" GYP. BOARD (VCG THROUGHOUT) INSTALLED PER MANUFACTURERS SPECIFICATIONS

FLOOR - AS NOTED ON PLAN

NOTE: INTERIOR FINISHES SHALL BE CLASS 'C' OR BETTER.



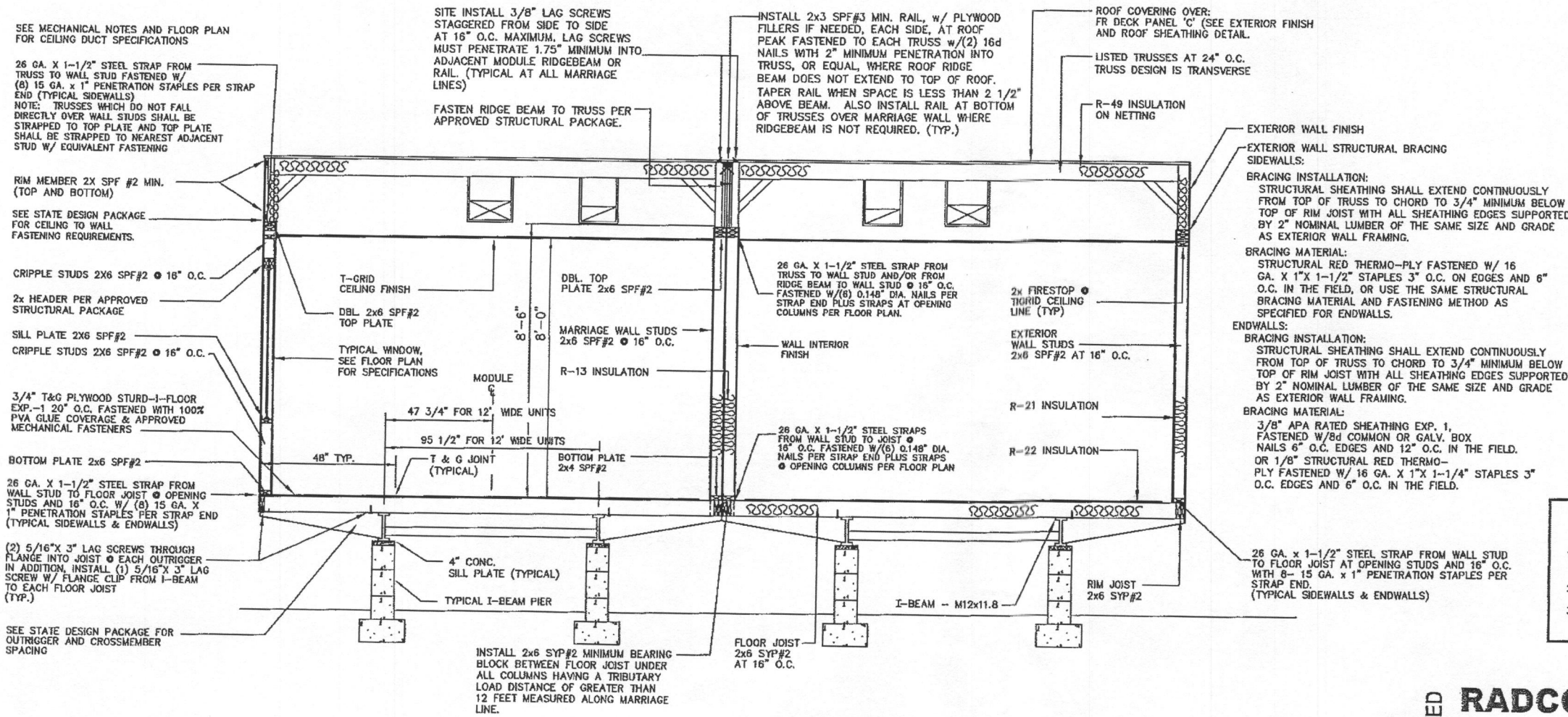
SECTION A-A  
(TYP. EACH ENDWALL)



FR DECK PANEL 'C' TO BE FASTENED TO TRUSSES W/ 8D NAILS @ 6" O.C. ON EDGES AND 12" O.C. IN FIELD

ROOF SHEATHING DETAIL

APPROVED TRUSS DESIGN:  
TRUSS MANUF # : UNIVERSAL  
TRUSS DRAWING # F138464  
SEE ATTACHED DWG.



- GENERAL CROSS-SECTION NOTES:**
- UNLESS OTHERWISE SPECIFIED, ALL STEEL MUST COMPLY W/ ASTM A36, YIELD STRENGTH = 36 KSI.
  - ALL LAG SCREWS MUST COMPLY W/ ANSI/ ASME B18.2.1. F<sub>YB</sub> 60 KSI MINIMUM.
  - SEE FOUNDATION PLAN FOR PIER AND TIE-DOWN STRAPPING LOCATIONS, ORIENTATIONS, AND SPECIFICATIONS.

**RIDGE BEAM CONSTRUCTION:**

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

NOTES:

- PLYWOOD FACE GRAIN MUST BE PARALLEL TO THE RIDGE BEAM SPAN.
- ALL PLYWOOD BUTT JOINTS MUST BE STAGGERED 24" MINIMUM.
- ALL RIDGE BEAM PLYWOOD LAMINATIONS MUST BE THE SAME DEPTH, THICKNESS, AND GRADE OF PLYWOOD. NO LUMBER OR PLYWOOD FLANGES ARE PERMITTED.
- PLYWOOD MUST BE MANUFACTURED IN ACCORDANCE W/ PS I-95.
- 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.
- PLYWOOD MUST NOT BE TREATED W/ A FIRE RETARDANT PROCESS.
- MOISTURE CONTENT MUST BE LESS THAN 16%.
- BEAMS SUPPORTED BY ENDWALL COLUMNS MUST EXTEND CONTINUOUS OVER COLUMNS TO EXTERIOR FACE OF ENDWALL.
- INSTALL (2X4) X 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.

APPROVED **RADCO** APPROVED  
Jul 22, 2014

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 OF MARYLAND, LICENSE NO. 8588, EXPIRATION DATE: 6-6-16

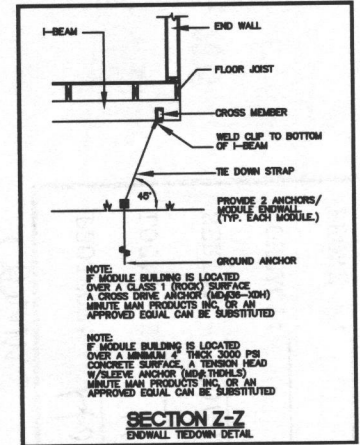
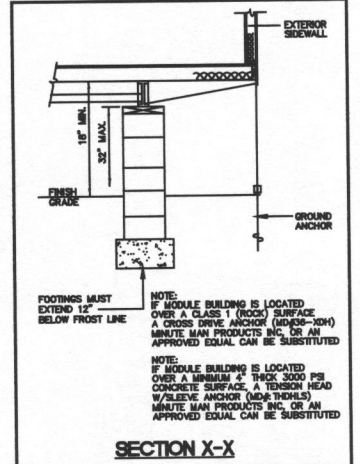
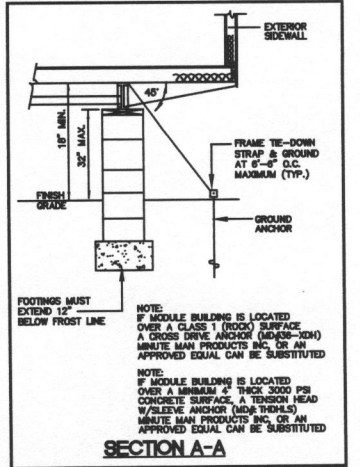
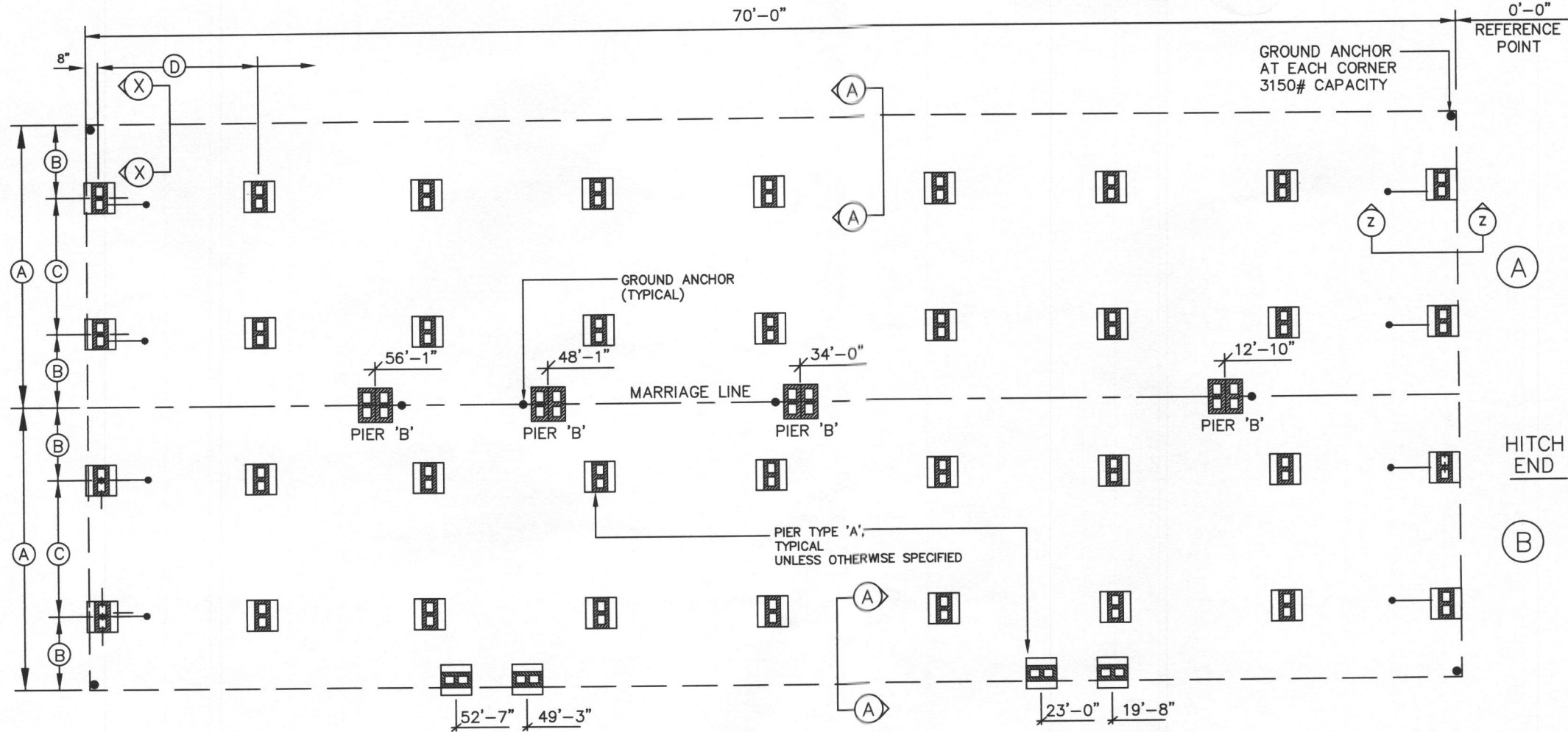
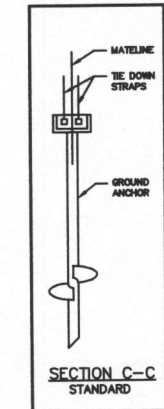
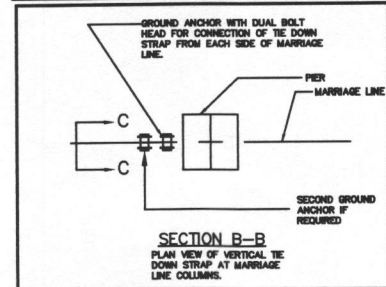
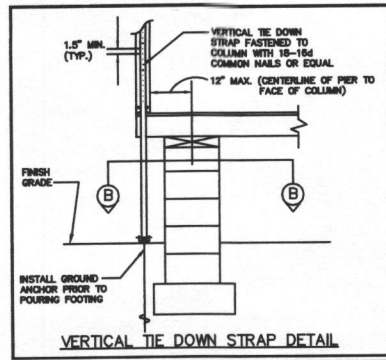
CONSULTING ENGINEER: JAMES BRADLEY, P.E. - 212 FOX TRAIL - PARKESBURG, PA. 19365 - (610) 857-2458

**SPECIALIZED STRUCTURES INC.**  
2400 SPRINGHEAD CHURCH ROAD WILLACOOCHEE, GA 31850  
1-912-384-7565 FAX: 1-912-384-4943

DATE: 7-17-14 THIRD PARTY: RADCO  
SCALE: NO SCALE 5801 BENJAMIN CENTER, SUITE 102  
TAMPA, FLORIDA 33634  
913-243-0370

CODES: SEE NOTES REVISIONS: BY: J.B.  
STATES: MD. FRME SIZE: (2) 11'8" x 70'-0"

SSI4488 A/B 24 x 70 BUSINESS SHEET  
CROSS SECTION DESTINATION: HOWARD CO. 4 OF 4



**NOTE:**  
THIS FOUNDATION PLAN IS BASED UPON SEISMIC DESIGN CATEGORY C CONDITIONS. IF THE MODULAR BUILDING INSTALLATION SITE REQUIRES SEISMIC DESIGN CATEGORY D CONDITIONS, THEN A SITE SPECIFIC FOUNDATION PLAN MUST BE DESIGNED BY A QUALIFIED PROFESSIONAL, AND IS SUBJECT TO REVIEW AND APPROVAL BY THE LOCAL AUTHORITY HAVING JURISDICTION.

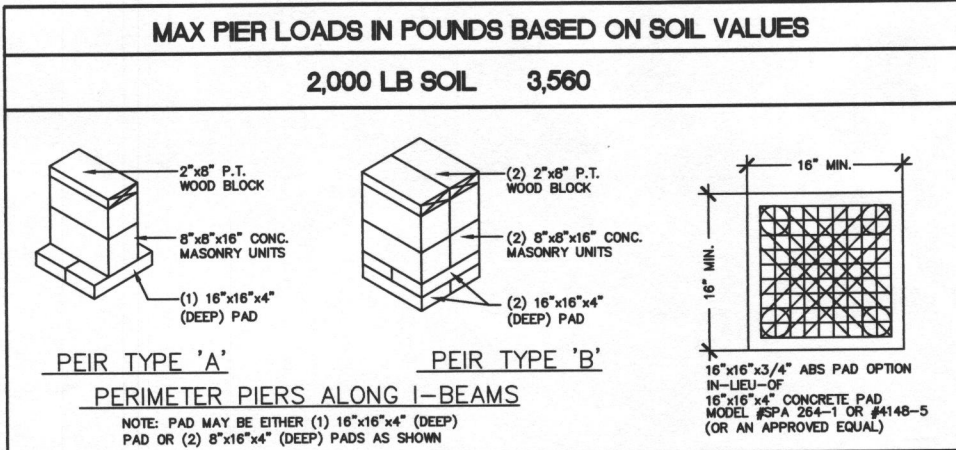
**NOTE:**  
THE NUMBER OF PIERS SHOWN ON THIS FOUNDATION PLAN IS NO INDICATION OF THE AMOUNT OF PIERS REQUIRED AND NEEDED FOR THIS BUILDING. SEE MAXIMUM PIER SPACING CHART TO THE RIGHT FOR THE CORRECT NUMBER OF PIERS REQUIRED FOR EACH SOIL BEARING CAPACITY.

FOUNDATION DIMENSIONS		
<b>A</b> MODULE WIDTH	<b>B</b> PIER TO MODULE EDGE	<b>C</b> STEEL BEAM SPACING
11'-8"	34 1/4"	95 1/2"
<b>D</b> MAXIMUM PIER SPACING	MINIMUM SOIL BEARING CAPACITY	
5'-2"	2000 PSF	
7'-11"	3000 PSF	

STRUCTURAL LOAD LIMITATIONS	
BUILDING RISK CATEGORY: II	
FLOOR LIVE LOAD:	
A. 40 PSF	
B. 1000 LB. CONCENTRATED LOAD OVER 30 INCH x 30 INCH AREA LOCATED ANYWHERE ON FLOOR	
ROOF LIVE LOAD:	
A. 20 PSF	
SNOW LOAD:	
A. $P_g = 40$ PSF	GROUND SNOW LOAD
B. $P_f = 30.8$ PSF	FLAT ROOF SNOW LOAD
C. $C_e = 1.0$	SNOW EXPOSURE FACTOR
D. $I_s = 1.0$	SNOW IMPORTANCE FACTOR
E. $C_t = 1.0$	SNOW THERMAL FACTOR
WIND LOAD: ASCE 7-10	
A. $V_{10} = 170$ MPH	WIND SPEED
AZ $V_{50} = 132$ MPH	WIND SPEED
B. $I_w = 1.0$	WIND IMPORTANCE FACTOR
C. C	WIND EXPOSURE CATEGORY
D. $G_{CPI} = 0.18$	INTERNAL PRESSURE COEFFICIENT
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	
F. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT.	
SEISMIC LOAD:	
A. $I_e = 1.0$	SEISMIC IMPORTANCE FACTOR
B. D	SITE CLASS
C. A13	SEISMIC FORCE RESISTING SYSTEM
D. C	SEISMIC DESIGN CATEGORY
E. EQUIVALENT LATERAL FORCE ANALYSIS PROCEDURE	
F. $S_{se} \leq 0.537$	MAPPED SPECTRAL RESPONSE COEF.
G. $S_1 \leq 0.285$	MAPPED SPECTRAL RESPONSE COEF.
H. $S_{a0.2} \leq 0.49$	SPECTRAL RESPONSE COEFFICIENT
I. $S_{d1} \leq 0.19$	SPECTRAL RESPONSE COEFFICIENT
J. $V = 5799$ LB	DESIGN BASE SHEAR
K. $R = 0.5$	RESPONSE MODIFICATION COEFFICIENT
L. $C_s = 0.06$	SEISMIC RESPONSE COEFFICIENT
FLOOD LOAD:	
THIS BUILDING IS NOT DESIGNED TO BE LOCATED IN A FLOOD HAZARD AREA.	

**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 OF MARYLAND, LICENSE NO. 6588, EXPIRATION DATE: 6-6-16

- FOUNDATION NOTES:**
- NOTE: ALL REQUIRED BUILDING AND/OR CONSTRUCTION PERMITS MUST BE APPLIED FOR AND OBTAINED FROM THE LOCAL AUTHORITIES HAVING JURISDICTION PRIOR TO ANY WORK BEING DONE ON THE ABOVE SHOWN FOUNDATION DESIGN.
  - FRAME TIES ONLY, NO OVER THE ROOF STRAPS REQUIRED. SEE SECTION A-A FOR INFO.
  - STRAP SPACING MAY VARY DUE TO SITE CONDITIONS.
  - TIIE-DOWN STRAPS TO BE 1-1/4" x .038 GALVANIZED STEEL, FEDERAL SPECIFICATION CGS-781-H TYPE-1 FINISH-B GRADE-1. TIIE-DOWN STRAPS AND CONNECTING HARDWARE TO HAVE 4,725# MINIMUM ULTIMATE CAPACITY (3,100# x 1.5).
  - ALL TIIE-DOWN ANCHORS SHALL HAVE MINIMUM 6,500 LB. CAPACITY AND SHALL BE INSTALLED IN ACCORDANCE WITH THEIR LISTING AND PER THE ISC.
  - SEE ABOVE FOUNDATION LAYOUT FOR TIIE-DOWN STRAP SPACING.
  - MATELINE SUPPORT COLUMN LOCATIONS TO BE VERIFIED PRIOR TO INSTALLING MATELINE SUPPORT PIERS.
  - MINIMUM SOIL BEARING CAPACITY IS 2,000 PSF. TO BE VERIFIED BY BUILDING'S OWNER.
  - IT WILL BE THE BUILDING OWNER'S RESPONSIBILITY TO INSURE THAT ALL GRASS, LOOSE DEBRIS, ETC. ARE REMOVED FROM UNDER THE BUILDING, (FOOTING) AND THAT THE GROUND IS LEVELED TO WITHIN 6" AND FIRMLY COMPACTED.
  - WOOD SHIMS MAY BE INSTALLED WHEN NECESSARY, BETWEEN THE I-BEAM AND THE TOP OF THE PIER. SHIMS SHALL BE OF P.T. LUMBER OR CEDAR, AND BEARING AT ALL CONTACT POINTS SHALL NOT BE LESS THAN 2/3 OF THE BEARING PRIOR TO ADDING THE SHIMS.
  - MASONRY PIERS MAY BE INSTALLED IN A DRY STACK FOR TEMPORARY BUILDINGS. NON-TEMPORARY BUILDING FOUNDATION DESIGN TO BE DICTATED BY LOCAL JURISDICTION. SEE NOTE #1 ABOVE.
  - OVERALL WIDTH DIMENSION IS NOMINAL AND IS BASED ON UNIT WIDTH x NUMBER OF UNITS. ACTUAL OVERALL WIDTH MAY INCREASE DUE TO SITE CONDITIONS, MATERIAL TOLERANCES, FAILURE TO REMOVE CLOSE-UP MATERIAL AND/OR OTHER FACTORS BEYOND THE CONTROL OF THE BUILDING MANUFACTURER.
  - FIELD CONDITIONS WITH DRY STACK PIERS GREATER THAN 34" SHALL REQUIRE FOUNDATIONS TO BE ENGINEERED BEYOND THIS APPROVAL.
  - FIRST STRAP FROM ENDWALLS NOT TO EXCEED 3'-0"
  - SEE STRUCTURAL LOAD SPECIFICATION ON 1 OF 5 FOR BUILDING DESIGN LOADS.
  - THE OWNER AND CONTRACTOR SHALL HOLD HARMLESS THE MANUFACTURER/ARCHITECT FROM AND AGAINST ALL LIABILITY CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING LEGAL FEES ARISING OUT OF OR RESULTING FROM ERRORS OR OMISSIONS IN THE MANUFACTURER'S/ARCHITECT'S DRAWINGS AND THE PERFORMANCE OF THE WORK BY THE CONTRACTOR. ALL WORK AND MATERIAL SHALL MEET THE REQUIREMENTS OF ALL LOCAL AND STATE BUILDING CODES SPECIFICATIONS.



**CODE SUMMARY:**

STATE	BUILDING	ELECTRICAL	MECHANICAL	PLUMBING	ACCESSIBILITY	ENERGY CODE
MARYLAND	2015 IBC 2012 NFPA 101 W/ MD. AMENDMENTS	2011 NEC	2015 IMC.	2015 IPC	ADAAG 2012 MARYLAND ACCESS. CODE	2015 IECC

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

**SPECIALIZED STRUCTURES INC.**  
2400 SPRINGHEAD CHURCH ROAD  
1-912-384-7565

DATE: 5-19-15  
SCALE: NTS  
STATES: MD.  
SHEET SIZE: (2) 11'-8 x 70'-0  
SS14488 A/B 24 x 70 BUSINESS

THIRD PARTY: RADCO  
8001 BENJAMIN CENTER, SUITE 102  
TAMPA, FLORIDA 33634  
813-243-0370

REVISIONS:  
BY: J.B.

DESTINATION: 1 OF 1

ALT. FOUNDATION PLAN



**I - Site Preparations**

Areas under or the borrow areas embankment and structural works shall be cleared, grubbed and the top soil shipped to remove all trees, vegetation roots or other objectionable material. Channel banks and sharp breaks shall be sloped to no exposure - then 1:1.

Areas covered by the pond or reservoir will be cleared of all trees, brush, logs, fence, rubble and other objectionable material unless otherwise designated on the plans. Trees, brush and stumps shall be cut approximately level with the ground surface.

All cleared and grubbed material shall be disposed of outside the limits of the dam and reservoir as directed by the owner or his representative. When specified a sufficient quantity of topsoil will be stockpiled in a suitable location for use on the embankment and other designated areas.

**II - Earth Fill**

Material - The fill material shall be taken from approved designated borrow areas or areas. It shall be free of roots, stumps, wood, rubbish, over sized stones, frozen or other objectionable material. The embankment shall be compacted to an elevation which provides for anticipated settlement to the design elevation. The fill material shall be placed in layers of 18" maximum thickness. The fill material shall be placed in layers of 18" maximum thickness (before compaction) layers which are to be continuous over the entire length of the fill. The most porous borrow material shall be placed in the down stream portion. Bench Mark

**III - Structural Backfill**

Backfill material shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers not to exceed four inches in thickness and compacted by hand tampers or other compaction equipment. The material needs to fill completely all spaces under and adjacent to the pipe. At no time during the backfilling operations shall driven equipment be allowed to operate closer than four feet, measured horizontally, to any part of a structure. Under no circumstances shall the contractor use equipment over any part of a concrete structure or pipe unless there is a compacted fill of twenty-four inches or greater over the structure or pipe.

**IV - Pipe Conduits**

**A - Corrugated Metal Pipe**

Materials (Steel Pipe) - This pipe and its appurtenances shall be galvanized and fully bituminous coated and shall conform to the requirements of AASHTO Specification M-199. Type A with watertight coupling bands. Any bituminous coating damaged or otherwise removed shall be replaced with cold applied bituminous coating compound.

Connections - All connections with pipes must be completely watertight. The draw pipe or barrel connection to the riser shall be welded all around when the pipe and riser are metal. Watertight coupling bands shall be used at all joints. Anti-seep collars shall be connected to the pipe in such a manner as to be completely watertight.

Bedding - The pipe shall be firmly and uniformly bedded throughout its entire length. Where rock or soft, spongy or other unstable soil is encountered all such material shall be removed and replaced with suitable earth compacted to provide adequate support.

**B - Laying pipe** - The pipe shall be placed within inside circumference lapped pointing down stream and with the longitudinal laps at the sides.

**C - Backfilling** shall conform to structural backfill as shown above.

**D - Stabilization** All borrow areas shall be graded to provide proper drainage and left in a slightly condition. All exposed surfaces of the embankment, spillway, spoil and borrow areas and berms shall be stabilized by seeding, fertilizing and mulching (if required) in accordance with the vegetation treatment specifications shown on or accompanying the drawings.

**CONSTRUCTION SPECIFICATIONS FOR PONDS**

DATE: 11/15/82  
 DRAWN BY: P.P. & P.P.  
 PROJECT NO.: 82-87  
 SCALE: 1" = 30'  
 DRAWING NO.: 2 OF 6

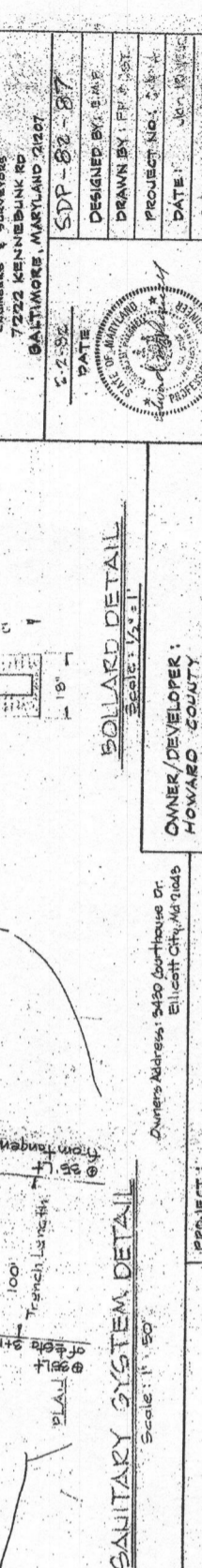
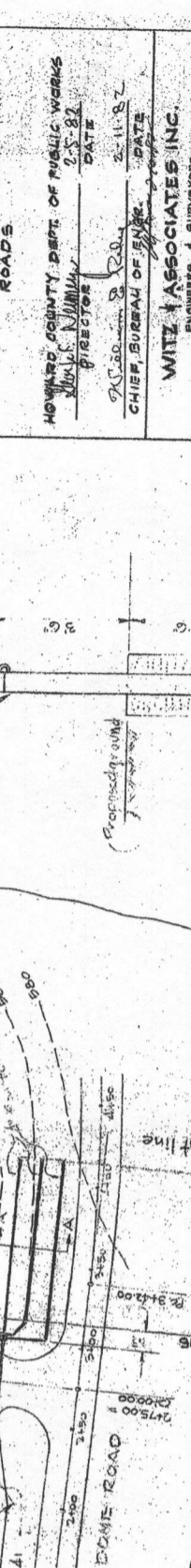
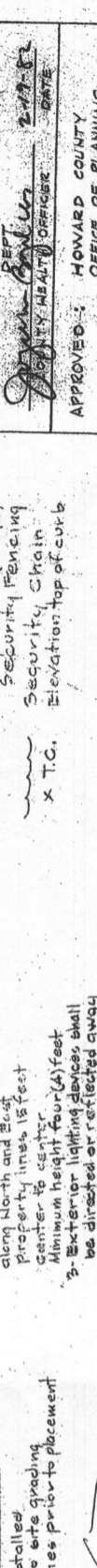
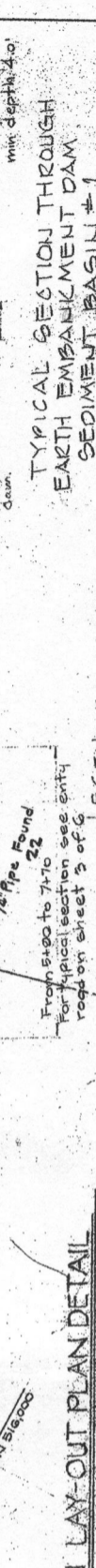
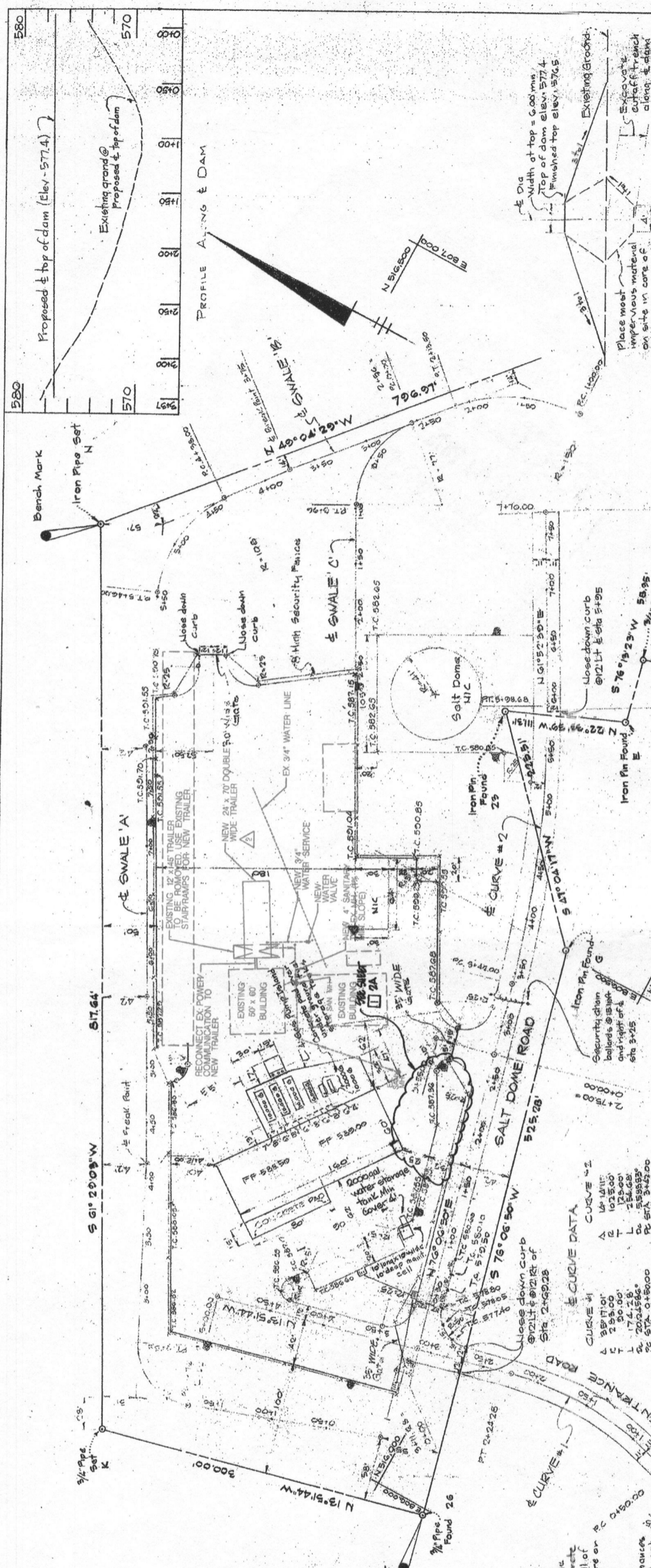
APPROVED: FOR PRIVATE WATER AND SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPT.  
 DATE: 11/15/82

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 DATE: 11/15/82

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PRIVATE ROADS  
 HOWARD COUNTY DEPT. OF PUBLIC WORKS  
 DATE: 11/15/82

WITZ & ASSOCIATES INC.  
 ENGINEERS & SURVEYORS  
 7222 KENNEDY RD.  
 BALTIMORE, MARYLAND 21207

DATE: 11/15/82  
 DESIGNED BY: P.P. & P.P.  
 DRAWN BY: P.P. & P.P.  
 PROJECT NO.: 82-87  
 SCALE: 1" = 30'  
 DRAWING NO.: 2 OF 6



**OWNER/DEVELOPER:**  
 HOWARD COUNTY  
 DEPT. OF PUBLIC WORKS  
 GENERAL PROJECTS DIVISION

**PROJECT:**  
 HOWARD CO. CENTRAL MAINT. FACILITY

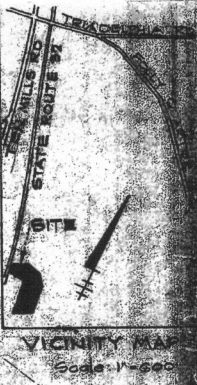
**AREA:**

**TITLE:** DETAIL 6

**REVISIONS:**

DATE: 11/15/82  
 DRAWN BY: P.P. & P.P.  
 PROJECT NO.: 82-87  
 SCALE: 1" = 30'  
 DRAWING NO.: 2 OF 6

MD RTE 32



GENERAL NOTES

- Area of parcel to be developed with this plan 3.415 Acres Tax map # 28 Parcel # P-10 P-13
- Present zoning R district (Rural)
- Property is recorded in the Howard County land records Liber 1075 Folio 210
- Parking requirements:
  - A- Use Office  
Floor area office space = 880 SF  
Parking spaces req'd @ 15 spaces per 2000 SF
  - B- Use Garage  
Floor area garage space = 3714 SF  
Parking spaces req'd @ 15 space per 500 SF
  - C- Number of parking spaces provided = 45
- Building coverage:
  - A- Maintenance building area = 9600 SF
  - B- Salt storage area = 5281 SF
  - C- Storage shed area = 1920 SF
  - D- Total building coverage = 16,801 SF or 0.286 Acres or 4.85% of site.
- All paving and storm drains shall be constructed in accordance with the latest editions of the M.H.A. Specifications and the Howard County "Storm Drain Design Manual" and "Details For Construction"
- Types of structures are those given in the standard storm drain details of Howard County
- The contractor shall notify Miss Utilities of 550-0100 three days prior to the beginning of construction
- The contractor shall notify the Howard County Construction Inspection/ Survey Division at 992-2415 twenty-four hours prior to the beginning of construction
- Best management practices shall be followed
- NET WORK SHALL BE CONSTRUCTED AND NOT A COMBUSTIBLE TRAILER AND PAVING SHALL BE CONSTRUCTED AND SHALL BE

THIS AREA TO BE ACQUIRED & MAINTAINED  
 Note: Remove fence between points A & B; separate fence on property line between points C and E.

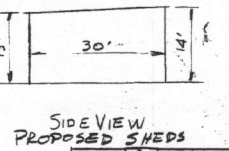
ADDITIONAL REFERENCE NOTES  
 1. For top of curb elevations and layout dimensions see sheet # 2 of 6  
 2. For security fence layout see sheet # 2 of 6  
 3. For 2' of drainage swale stake-out see sheet # 2 of 6  
 4. For profile of roads and drainage swales see sheet # 3 of 6  
 5. For storm drain plan & profile see sheet # 4 of 6

PARKING SPACE DIMENSIONS  
 TRUCK PARKING 15' x 50'  
 AUTO PARKING 3' x 50'

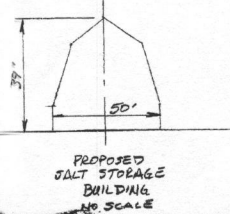
APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND

SCHEDULE OF CO-ORDINATES

POINT	NORTH	EAST
26	515050.71	805093.00
K	516241.07	805021.18
Z	516692.31	806699.58
G	516076.77	806902.93



MAY 2004  
 PLACEMENT OF



10-26-01

10-26-01	3	ADDED DIMENSIONS PER THE MEND 10-26-01
9-26-01	2	IMPROVED 10-26-01
10-9-01	1	ADDED CURB SHEET # 5 - DRAINAGE BLDG.
DATE	NO.	DESCRIPTION

PROJECT: HOWARD CO. CENTRAL MAINT. FACILITY

HOWARD COUNTY  
 DEPARTMENT OF PLANNING AND ZONING

PLANNING DIRECTOR  
 [Signature]

DATE: 10-26-01

FOR SEWER DRAINAGE SYSTEMS AND PAVED ROADS

DATE: 10-26-01

WIFE & ASSOCIATES INC.  
 122 KENNESAW RD  
 WASHINGTON DC 20004

DATE: 10-26-01

PROJECT: HOWARD CO. CENTRAL MAINT. FACILITY