

ACCESSIBILITY NOTES:

1. ACCESS TO BUILDING FOR PERSONS IN WHEELCHAIRS IS DESIGNED BY AND FIELD BUILT BY OTHERS AND SUBJECT TO LOCAL JURISDICTION. THE PRIMARY ENTRANCE AND REQUIRED EXITS MUST BE ACCESSIBLE. ALL BUILDING ELEMENTS AND FACILITIES SHALL BE ACCESSIBLE IN ACCORDANCE WITH THE REFERENCE ACCESSIBILITY STANDARD(S) EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE SCOPING REQUIREMENTS OF THE APPLICABLE CODE.
2. 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. AT LEAST 60% OF ALL PUBLIC ENTRANCES MUST BE ACCESSIBLE.
3. ACCESSIBLE DRINKING FOUNTAINS SHALL HAVE A SPOUT OUTLET HEIGHT NO HIGHER THAN 36 INCHES ABOVE THE FLOOR AND SPOUT SHALL BE LOCATED 15 INCHES MINIMUM FROM THE VERTICAL SUPPORT AND 5 INCHES MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS. SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES HIGH MINIMUM. ANGLE OF WATER STREAM SHALL BE IN ACCORDANCE WITH THE APPLICABLE ACCESSIBILITY CODE. DRINKING FOUNTAINS FOR STANDING PERSONS SHALL HAVE A SPOUT OUTLET HEIGHT 38 INCHES MINIMUM AND 43 INCHES MAXIMUM ABOVE THE FLOOR.
4. WHERE STORAGE FACILITIES SUCH AS CABINETS, SHELVES, CLOSETS, AND DRAWERS ARE PROVIDED AT LEAST ONE OF EACH 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); FOR AREAS WITH UNOBSTRUCTED REACH THE SPACE SHALL BE WITHIN 15 INCHES MINIMUM AND 48 INCHES MAXIMUM OF THE FLOOR; FOR HIGH FORWARD REACH AREAS WITH OBSTRUCTIONS THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION AND THE HEIGHT OF THE SPACE SHALL BE 48 INCHES MAXIMUM AND THE DEPTH OF THE SPACE SHALL BE 20 INCHES MAXIMUM EXCEPT THE DEPTH MAY BE 25 INCHES MAXIMUM IF THE HEIGHT IS 44 INCHES MAXIMUM; FOR HIGH SIDE REACH AREAS WITH OBSTRUCTIONS THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 INCHES MAXIMUM AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24 INCHES MAXIMUM AND IF THE REACH DEPTH EXCEEDS 10 INCHES THEN THE MAXIMUM REACH HEIGHT IS 46 INCHES; EXCEPT THE HEIGHT OF WASHING MACHINES AND DRYERS MAY BE 36 INCHES MAXIMUM.
5. CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE NO HIGHER THAN THE REACH HEIGHTS SPECIFIED IN NOTE 4 ABOVE AND 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.
6. WHERE EMERGENCY WARNING SYSTEMS ARE PROVIDED, THEY SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. THE VISUAL ALARMS SHALL BE LOCATED THROUGHOUT, INCLUDING RESTROOMS, AND PLACED 80 INCHES ABOVE THE FLOOR OR 6 INCHES BELOW CEILING, WHICHEVER IS LOWER.
7. DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (I.E. LEVER-OPERATED, PUSH-TYPE, U-SHAPED) MOUNTED NO HIGHER THAN 48 INCHES ABOVE THE FLOOR.
8. 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 RAMPS. CARPET PILE THICKNESS SHALL BE 0.5 INCH MAX. GRATINGS IN FLOOR SHALL BE SPACES NO GREATER THAN 0.5 INCH WIDE IN ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED 0.5 INCH IN HEIGHT.
9. ALL DOORS SHALL BE OPENABLE BY A SINGLE EFFORT. THE MAXIMUM FORCE REQUIRED TO OPEN A DOOR SHALL NOT EXCEED 8.5 LBS. FOR EXTERIOR SWINGING DOORS AND 5 LBS. FOR ALL SLIDING, FOLDING, AND INTERIOR SWINGING DOORS.
10. DOORS AND SIDELITES ADJACENT TO DOORS CONTAINING ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS SHALL HAVE THE BOTTOM OF AT LEAST ONE PANEL ON EITHER THE DOOR OR AN ADJACENT SIDELITE 43 INCHES MAXIMUM ABOVE THE FLOOR. VISION LITES WITH THE LOWEST PART MORE THAN 66 INCHES ABOVE THE FLOOR ARE EXEMPT FROM THIS REQUIREMENT.
11. ACCESSIBLE WORK SURFACES SHALL HAVE A 28 INCH MINIMUM AND 34 INCH MAXIMUM ABOVE THE FLOOR.
12. ACCESSIBLE WATER CLOSETS SHALL BE 17 INCHES TO 19 INCHES 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 AT 33 INCHES TO 36 INCHES FROM THE FLOOR TO THE CENTERLINE OF THE BAR. SIDE WALL GRAB BARS SHALL BE MOUNTED WITH THE FAR END LOCATED A MAXIMUM OF 12 INCHES FROM THE WALL BEHIND THE WATER CLOSET. THE REAR GRAB BAR IS PERMITTED TO BE 24 INCHES LONG MINIMUM, CENTERED BEHIND THE WATER CLOSET, WHERE WALL SPACE DOES NOT PERMIT A GRAB BAR 36 INCHES LONG DUE TO LOCATION OF A RECESSED FIXTURE ADJACENT TO THE WATER CLOSET. THE CENTERLINE OF WATER CLOSETS SHALL BE 16 INCHES MINIMUM AND 18 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THE WATER CLOSET SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION IN AMBULATORY ACCESSIBLE TOILET COMPARTMENTS.
13. A VERTICAL GRAB BAR 18 INCHES MINIMUM IN LENGTH SHALL BE LOCATED ON THE SIDE WALL ADJACENT TO THE WATER CLOSET DIRECTLY ABOVE THE 42 INCH LONG HORIZONTAL GRAB BAR. THE VERTICAL BAR SHALL BE MOUNTED WITH THE BOTTOM OF THE BAR LOCATED BETWEEN 39 INCHES AND 41 INCHES ABOVE THE FLOOR, AND WITH THE CENTERLINE OF THE BAR LOCATED BETWEEN 39 INCHES AND 41 INCHES FROM THE REAR WALL.
14. ACCESSIBLE URINALS SHALL BE STALL-TYPE OR WALL HUNG WITH ELONGATED RIMS AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR AND 13.5 INCHES FROM THE WALL.
15. ACCESSIBLE LAVATORIES AND SINKS SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34 INCHES ABOVE THE FLOOR AND A CLEARANCE OF AT LEAST 27 INCHES HIGH AND 30 INCHES WIDE. KNEE CLEARANCE SHALL BE 11 INCHES MINIMUM IN DEPTH AT 9 INCHES ABOVE THE FLOOR, AND 8 INCHES MINIMUM IN DEPTH AT 27 INCHES ABOVE THE FLOOR. BETWEEN 9 INCHES AND 27 INCHES ABOVE THE FLOOR, KNEE CLEARANCE SHALL BE PERMITTED TO BE REDUCED AT A RATE OF 1 INCH IN DEPTH FOR EACH 6 INCHES IN HEIGHT.
16. 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.
17. ACCESSIBLE LAVATORIES AND SINKS SHALL HAVE ACCESSIBLE FAUCETS (I.E. LEVER-OPERATED, PUSH-TYPE, ELECTRONICALLY CONTROLLED).
18. WHERE MIRRORS ARE LOCATED ABOVE LAVATORIES, A MIRROR SHALL BE LOCATED OVER THE ACCESSIBLE LAVATORY AND SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES MAXIMUM ABOVE THE FLOOR. WHERE MIRRORS ARE LOCATED ABOVE COUNTERS THAT DO NOT CONTAIN LAVATORIES, THE MIRROR SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES MAXIMUM ABOVE THE FLOOR.
19. GRAB BARS REQUIRED FOR ACCESSIBILITY SHALL BE 1.25 INCH TO 2 INCHES IN DIAMETER WITH 1.5 INCHES OF CLEAR SPACE BETWEEN THE BAR AND THE WALL.
20. TOILET PAPER DISPENSERS SHALL BE INSTALLED 7 INCHES MINIMUM AND 9 INCHES MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 18 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR AND SHALL NOT BE LOCATED BEHIND GRAB BARS. WHERE DISPENSER IS LOCATED ABOVE THE GRAB BAR, THE OUTLET OF THE DISPENSER SHALL BE LOCATED WITHIN AN AREA 24 INCHES MINIMUM AND 36 INCHES MAXIMUM FROM THE REAR WALL, AND THE DISPENSER SHALL BE 12 INCHES CLEAR FROM THE TOP OF THE GRAB BAR. WHEN THE DISPENSER IS LOCATED BELOW THE GRAB BAR, THE OUTLET OF THE DISPENSER SHALL BE LOCATED IN AN AREA 24 INCHES MINIMUM AND 42 INCHES MAXIMUM FROM THE REAR WALL AND THE DISPENSER SHALL BE 1.5 INCHES CLEAR FROM THE BOTTOM OF THE GRAB BAR. DISPENSERS THAT CONTROL DELIVERY, OR THAT DO NOT PERMIT CONTINUOUS FLOW, SHALL NOT BE USED.
21. WATER CLOSET FLUSH CONTROL SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREA.
22. A TOWEL DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVATORIES.
23. THE SHOWER SEAT SHALL BE MOUNTED 17 INCHES TO 19 INCHES FROM THE BATHROOM FLOOR AND SHALL EXTEND THE FULL DEPTH OF THE STALL.
24. A SHOWER SPRAY UNIT WITH A HOSE AT LEAST 60 INCHES LONG THAT CAN BE USED BOTH AS A FIXED SHOWER HEAD AND AS A HAND-HELD SHOWER SHALL BE PROVIDED. SHOWER SPRAY CONTROL SHALL BE EQUIPPED WITH AN ON/OFF SWITCH AND SHALL LIMIT TEMPERATURE TO 110°F (43°C).
25. CURBS IN SHOWER STALLS BE NO HIGHER THAN 1/2 INCH.
26. ENCLOSURES FOR SHOWER STALLS SHALL NOT OBSTRUCT CONTROLS OR OBSTRUCT TRANSFER FROM WHEELCHAIRS ONTO SHOWER SEATS.
27. THE WASHING MACHINE AND DRYER SHALL BE ACCESSIBLE. TOP LOADING MACHINES SHALL HAVE DOOR TO LAUNDRY COMPARTMENT LOCATED 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR. FRONT LOADING MACHINES SHALL HAVE THE BOTTOM OF THE OPENING TO THE LAUNDRY COMPARTMENT LOCATED 15 INCHES MINIMUM AND 38 INCHES MAXIMUM ABOVE THE FINISH FLOOR. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM. OPERABLE PARTS SHALL BE LOCATED WITHIN THE REACHING RANGES SPECIFIED ABOVE.

GENERAL NOTES:

1. ALL CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE CODES SPECIFIED ON THESE DRAWINGS.
2. THESE PLANS INCLUDE DESIGN FOR THE FACTORY BUILT PORTION OF THE MODULAR STRUCTURE AND PORTIONS OF THE SITE BUILT CONSTRUCTION. THESE PLANS AND DESIGN PLANS FOR ALL ELEMENTS DESIGNATED TO BE DESIGNED BY OTHERS AND/OR SITE INSTALLED MUST BE SUBMITTED TO AND REVIEWED BY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE (DESIGNER OF RECORD) FOR COMPATIBILITY WITH THE DESIGN OF THE OVERALL BUILDING PROJECT AS REQUIRED BY THE APPLICABLE CODES AND LAWS.
3. ALL PARTIES RESPONSIBLE FOR DESIGN WORK SHALL BE QUALIFIED AND LICENSED AS REQUIRED BY THE JURISDICTIONS HAVING AUTHORITY OR SHALL RETAIN SUCH QUALIFIED AND LICENSED ENTITIES TO PERFORM SUCH WORK.
4. TRANSPORTATION AND ERECTION OF THIS BUILDING IS DESIGNED BY OTHERS. ANY TRANSPORTATION AND/OR LIFTING ELEMENTS SHOWN IN THESE PLANS MUST BE EVALUATED BY TRANSPORTATION AND ERECTION DESIGNER FOR SUITABILITY.
5. REFER TO ATTACHED ENERGY CODE COMPLIANCE FORM FOR ADDITIONAL ENERGY CODE CONSTRUCTION REQUIREMENTS NOT INCLUDED IN THESE PLANS.
6. 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.
7. WHEN NOT SHOWN ON THE PLANS PROVISIONS FOR EXIT DISCHARGE LIGHTING (INCLUDING DUAL ELEMENT EXIT DISCHARGE EMERGENCY LIGHTING) ARE DESIGNED BY OTHERS AND THE RESPONSIBILITY OF THE BUILDING OWNER AND SUBJECT TO LOCAL JURISDICTION APPROVAL.
8. PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED BY OTHERS AS REQUIRED BY THE IFC.
9. 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.
10. DOORS THAT OPEN INTO THE PATH OF EGRESS TRAVEL SHALL PARTIALLY OR FULLY OPEN IN SUCH A MANNER THAT THE CODE REQUIRED PATH OF EGRESS WIDTH IS NOT REDUCED TO LESS THAN ONE-HALF DURING THE COURSE OF THE SWING. WHEN FULLY OPEN, THE DOOR SHALL NOT PROJECT MORE THAN 7 INCHES INTO THE CODE REQUIRED WIDTH.
11. WHERE THE LIVE LOADS FOR WHICH EACH FLOOR OR PORTION THEREOF IS DESIGNED TO EXCEED 50 PSF, SUCH DESIGN LIVE LOAD SHALL BE CONSPICUOUSLY POSTED BY THE BUILDING OWNER IN THAT STORY WHERE THEY APPLY, USING DURABLE SIGNS.
12. INTERIOR NON-LOADBEARING PARTITIONS SHALL BE MINIMUM 2X4 SPF#3 STUDS AT 16 INCHES ON CENTER.
13. THIS BUILDING SHALL NOT BE INSTALLED AT ANY LOCATION WHERE THE SNOW LOAD AS DETERMINED FROM LOCAL METEOROLOGICAL DATA EXCEEDS THE SNOW LOAD LISTED ON THESE PLANS.
14. THIS BUILDING IS NOT DESIGNED TO BE LOCATED IN A WIND BORNE DEBRIS REGION.
15. WHERE CORRIDORS ARE PROVIDED THE MINIMUM CORRIDOR WIDTH SHALL BE AS SHOWN ON THESE PLANS OR 44 INCHES, WHICHEVER IS GREATER.
16. WHERE CORRIDORS ARE PROVIDED THE MINIMUM CORRIDOR FINISH SHALL BE CLASS B.

SITE INSTALLED ITEMS:

NOTE THAT THIS LIST DOES NOT NECESSARILY LIMIT THE ITEMS OF WORK AND MATERIALS THAT MAY BE REQUIRED FOR A COMPLETE INSTALLATION. ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL JURISDICTION APPROVAL.

1. THE COMPLETE FOUNDATION SUPPORT AND TIE DOWN SYSTEM.
2. RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
3. PORTABLE FIRE EXTINGUISHER(S).
4. BUILDING DRAINS, CLEANOUTS, AND HOOK-UP TO THE PLUMBING SYSTEM.
5. ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS) TO THE BUILDING.
6. THE MAIN ELECTRICAL PANEL AND SUB-FEEDERS.
7. CONNECTIONS OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATING LINE(S) - (MULTI-UNITS ONLY).
8. DUAL ELEMENT EXTERIOR EXIT DISCHARGE LIGHTING WHEN NOT SHOWN ON PLANS.
9. STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI-UNITS ONLY).
10. EXTERIOR GLAZING PROTECTION.
11. GUTTERS & DOWN SPOUTS WHEN REQUIRED.
12. WATER HEATER THERMAL EXPANSION DEVICE WHEN REQUIRED.
13. PROGRAMMABLE THERMOSTATS IF NOT INSTALLED AT FACTORY.
14. DRINKING FOUNTAIN & SERVICE SINK WHEN NOT SHOWN ON FLOOR PLAN.
15. ALL SIGNS UNLESS OTHERWISE SPECIFIED.
16. ANY AIR GAPS BETWEEN MODULES AT FLOOR AND CEILING LINES AND ANY OTHERS PENETRATIONS THROUGH THE BUILDING ENVELOPE SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, WRAPPED OR OTHERWISE SEALED TO LIMIT UNCONTROLLED AIR MOVEMENT.
17. T-GRID CEILING AND LIGHTS & GRILLES IN T-GRID.
18. WASHER/DRYER AND ALL BREAK ROOM EQUIPMENT.

WINDOW AND DOOR ABBREVIATIONS:

3680 = 36 INCHES X 80 INCHES (TYPICAL)

VS = VERTICAL SLIDER, SINGLE OR DOUBLE HUNG

ST/ST = STEEL INSULATED DOOR

V/B = VIEW BLOCK

FOUNDATION NOTE:

FOR FOUNDATION DESIGN REFER TO THE ATTACHED FOUNDATION PLANS PREPARED BY THE BUILDING DESIGNER. IF FOUNDATION PLANS ARE DESIGNED BY OTHERS, THE BUILDING DESIGNER SHALL NOT BE HELD RESPONSIBLE OR LIABLE FOR THE FOUNDATION DESIGN & THE CONSEQUENTIAL PERFORMANCE OF THE SUPERSTRUCTURE'S STRUCTURAL COMPONENTS AND SYSTEMS RELATING THERETO.

BUILDING DATA NOTES:

1. CONSTRUCTION IS TYPE V-B.
2. OCCUPANCY IS BUSINESS.
3. MEANS OF EGRESS IS DESIGNED FOR AN OCCUPANT LOAD OF 1 PERSON PER 100 SQUARE FEET OF GROSS FLOOR AREA. 15 TOTAL OCCUPANTS.
4. FIRE RATING OF EXTERIOR WALLS IS 0 HOURS.
5. THIS BUILDING REQUIRES A FIRE SEPARATION DISTANCE OF 10 FEET OR MORE IN ACCORDANCE WITH TABLE 602 OF THE KBC AND IS SUBJECT TO LOCAL JURISDICTION APPROVAL.
6. GROSS BUILDING AREA = 1410 SQUARE FEET.

STRUCTURAL LOAD LIMITATIONS:

FLOOR LIVE LOAD:
A. 100 PSF CORRIDORS, 50 PSF ELSEWHERE.
B. 2000# CONCENTRATED LOAD OVER 30 INCH X 30 INCH AREA LOCATED ANYWHERE ON FLOOR.

ROOF LIVE LOAD:
A. 20 PSF.

ROOF SNOW LOAD:
A. GROUND SNOW LOAD: Pg = 20 PSF
B. FLAT-ROOF SNOW LOAD: Pf = 20 PSF
C. SNOW EXPOSURE FACTOR: Ce = 1.0
D. SNOW IMPORTANCE FACTOR: Ia = 1.0
E. SNOW THERMAL FACTOR: Ct = 1.1
F. ROOF SLOPE FACTOR: Cs = 1.0
G. SLOPED ROOF SNOW LOAD: Ps = Pf X Cs
H. DESIGN IS BASED ON FULL OR PARTIALLY EXPOSED ROOF PER ASCE 7-05.

WIND LOAD:
A. WIND SPEED (3-SEC GUST): V = 90 MPH
B. WIND IMPORTANCE FACTOR: Iw = 1.0
C. WIND EXPOSURE CATEGORY: EXP. = C
D. INTERNAL PRESSURE COEFFICIENT: GCpi = 0.18
E. COMPONENT & CLADDING PRESSURES (ROOF 7 TO 27 DEG.):
WALL ZONE 5 = +/-23.6 PSF
WALL ZONE 4 = +/-19.1 PSF
ROOF ZONE 3 = -41.5 PSF
ROOF ZONE 2 = -28.1 PSF
ROOF ZONE 1 = -18.1 PSF
F. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT.
G. BUILDING CATEGORY IS II PER ASCE 7-05.
H. BUILDING DESIGN IS BASED ON "ENCLOSED" CLASSIFICATION.
I. BUILDING MEAN ROOF HEIGHT SHALL NOT EXCEED 15 FEET.

SEISMIC LOAD:
A. SEISMIC IMPORTANCE FACTOR IS 1.0
B. SEISMIC OCCUPANCY CATEGORY IS II.
C. SEISMIC SITE CLASS IS D.
D. SPECTRAL RESPONSE COEFFICIENTS:
Ss = 0.148 S1 = 0.062
Sds = 0.158 Sd1 = 0.10
E. SEISMIC DESIGN CATEGORY IS C.
F. SEISMIC FORCE RESISTING SYSTEM IS A13.
G. SIMPLIFIED SEISMIC ANALYSIS PROCEDURE HAS BEEN USED.
H. RESPONSE MODIFICATION FACTOR R = 5.5.
I. SEISMIC RESPONSE COEFFICIENT Cs = N/A.
J. DESIGN BASE SHEAR V = 1100#

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

CODE SUMMARY:

STATE	BUILDING	ELECTRICAL	MECHANICAL	PLUMBING	ACCESSIBILITY	ENERGY
KENTUCKY	2007 KBC 9th Ed. (2006 IBC w/KY AMEND.)	2011 NEC	2006 IMC	2007 KSPC	2010 ADA 03 ANSI A117.1	2009 IECC

APPROVED

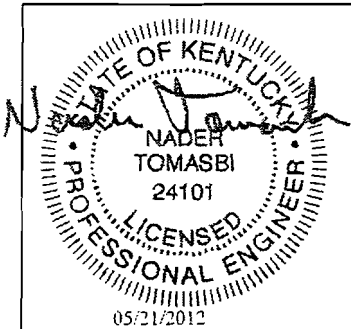
RADCO

May 22, 2012

APPROVED

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DATE: 05/07/2012	NADER TOMASBI, P.E. 58665 GLENRIVER DRIVE GOSHEN, IN 46528 574-370-3419	BY: NT
SCALE: N/A	REVISIONS:	
CODES: SEE SUMMARY		
LABELS: RADCO, KY		
DBI 5026 A/B	24 X 60	BUSINESS
COVER SHEET		1 OF 9

ELECTRICAL NOTES:

1. ALL EQUIPMENT SHALL BE LISTED BY UL FOR THE APPLICATION FOR WHICH IT IS USED AND ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE LISTING.
2. ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRICAL CODE (NEC). ALL EQUIPMENT SHALL BE LISTED AND IDENTIFIED FOR USE WITH 75°C OR 90°C CONDUCTORS UNLESS OTHERWISE SPECIFIED.
3. WHEN LIGHT FIXTURES ARE INSTALLED IN CLOSETS THEY SHALL BE SURFACE MOUNTED OR RECESSED. INCANDESCENT AND LED LUMINAIRE FIXTURES SHALL HAVE COMPLETELY ENCLOSED LAMPS. SURFACE MOUNTED INCANDESCENT AND LED LUMINAIRE FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL BE A MINIMUM CLEARANCE OF 6 INCHES FROM "STORAGE AREA" AS DEFINED BY NEC 410.2.
4. 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 OR BEING LOCKED IN THE OPEN POSITION.
5. 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.
6. 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.
7. THE MAIN ELECTRICAL PANEL AND FEEDERS ARE DESIGNED BY OTHERS, SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION APPROVAL.
8. ALL CIRCUITS CROSSING OVER MODULE MATING LINE(S) SHALL BE SITE CONNECTED WITH APPROVED ACCESSIBLE JUNCTION BOXES OR CABLE CONNECTORS.
9. FIRE ALARM PULL STATION OPERABLE DEVICE SHALL BE LOCATED 42 TO 45 INCHES ABOVE THE FLOOR. FIRE ALARM HORN/STROBE DEVISE SHALL BE WALL MOUNTED WITH THE BOTTOM EDGE 80 INCHES ABOVE THE FLOOR.
10. ALL RECEPTACLES INSTALLED IN WET LOCATIONS (EXTERIOR) SHALL HAVE WEATHER PROOF (WP) ENCLOSURES, THE INTEGRITY OF WHICH IS NOT AFFECTED WHEN AN ATTACHMENT PLUG CAP IS INSERTED OR REMOVED. IN ADDITION NONLOCKING RECEPTACLES SHALL BE LISTED WEATHER-RESISTANT TYPE WHEN COMPLIANCE WITH THE 2008 AND/OR 2011 NEC ARE REQUIRED (SEE CODE SUMMARY ON COVER SHEET).
11. ALL EXTERIOR LIGHTS SHALL BE EQUIPPED WITH PHOTOCELLS FOR AUTOMATIC SHUT-OFF WHEN DAYLIGHT IS AVAILABLE.
12. EMERGENCY LIGHTING SHALL BE CAPABLE OF PROVIDING INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOT-CANDLE (fc) AND A MINIMUM OF 0.1 fc MEASURED ALONG THE PATH OF EGRESS AT THE FLOOR LEVEL. ILLUMINATION LEVELS SHALL BE PERMITTED TO DECLINE TO 0.6 fc AVERAGE AND A MINIMUM AT ANY POINT OF 0.06 fc AT THE END OF THE EMERGENCY LIGHT TIME DURATION. A MAXIMUM-TO-MINIMUM ILLUMINATION UNIFORMITY RATIO OF 40 TO 1 SHALL NOT BE EXCEEDED. THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES.
13. WHEN A SINGLE RECEPTACLE IS INSTALLED ON AN INDMDUAL BRANCH CIRCUIT THE RECEPTACLE SHALL HAVE AN AMPERE RATING NOT LESS THAN THAT OF THE BRANCH CIRCUIT.
14. ELECTRICAL PANELS SHALL BE EQUIPPED WITH A MAIN BREAKER OF THE SAME SIZE AS THE PANEL UNLESS OTHERWISE SPECIFIED.
15. WIRING ABOVE T-GRID CEILINGS SHALL BE AC CABLE, MC CABLE OR RUN IN EMT CONDUIT.
16. SMOKE DETECTORS SHALL BE WIRED SO THAT THE OPERATION OF ANY ONE SMOKE DETECTOR WILL CAUSE SIMULTANEOUS ACTVATION OF ALL OTHERS. ALL DETECTORS SHALL RECEIVE PRIMARY POWER FROM THE BUILDING WIRING AND SHALL BE EQUIPPED WITH BATTERY BACK-UP.

PLUMBING NOTES:

1. TOILETS SHALL BE ELONGATED WITH NONABSORBENT OPEN FRONT SEATS.
2. RESTROOM WALLS SHALL BE COVERED WITH NONABSORBENT MATERIAL TO A MINIMUM HEIGHT OF 48 INCHES A.F.F. (70 INCHES MINIMUM IN SHOWERS). TOILET, BATHING AND SHOWER ROOM FLOORS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 4 INCHES.
3. ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUTOFF VALVES.
4. WATER HEATER SHALL HAVE A T & P RELIEF VALVE WITH DRAIN TO EXTERIOR, AND A SHUTOFF VALVE WITHIN 3 FEET ON THE COLD WATER SUPPLY LINE.
5. DWV SYSTEM SHALL BE EITHER ABS OR PVC -- DWV.
6. WATER SUPPLY LINES SHALL BE CPVC OR COPPER.
7. ALL PIPE HANGERS SHALL BE NON-METALLIC OR OF THE SAME METAL AS THE PIPE BEING SUPPORTED. ALL SUPPORTS FOR PLASTIC PIPES SHALL PERMIT FREE MOVEMENT AND/OR THERMAL EXPANSION OF THE PIPE. PIPING SUPPORTS SHALL BE SPACED IN ACCORDANCE WITH THE APPUCABLE PLUMBING CODE AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
8. 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. WHERE SUBJECT TO TEMPERATURES LESS THAN 32° F. WATER, SOIL OR WASTE PIPES SHALL BE INSULATED WITH AN INSULATION OF R-6.5 MINIMUM.
9. WATER CLOSETS ARE TANK TYPE AND URINALS ARE FLUSH TANK TYPE UNLESS OTHERWISE SPECIFIED.
10. BUILDING DRAIN AND CLEANOUTS ARE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
11. 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.
12. WATER HEATER STORAGE TANKS SHALL HAVE THE FIRST 8 FEET OF OUTLET PIPING AND THE INLET PIPE BETWEEN THE TANK AND THE HEAT TRAP COVERED WITH 1 INCH THICK INSULATION FOR PIPE DIAMETERS OF 2 INCH OR LESS, AND 1.5 INCH THICK INSULATION FOR PIPE DIAMETERS GREATER THAN 2 INCH.
13. A WATER-HAMMER ARRESTOR SHALL BE INSTALLED WHERE QUICK-CLOSING VALVES ARE UTILIZED, UNLESS OTHERWISE APPROVED. WATER-HAMMER ARRESTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. WATER-HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010.
14. TEMPERED WATER SHALL BE DELIVERED FROM LAVATORIES IN PUBLIC TOILET FACILITIES. TEMPERED WATER SHALL BE DELIVERED THROUGH AN APPROVED WATER-TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070 AND SHALL LIMIT THE TEMPERED WATER TO A MAXIMUM OF 110°F (43°C).
15. SHOWERS SHALL BE CONTROLLED BY AN APPROVED MIXING VALVE WITH A MAXIMUM WATER OUTLET TEMPERATURE OF 110°F (43°C)
16. AUTOMATIC CLOTHES WASHER SHALL BE PROTECTED AGAINST BACKFLOW BY AN AIR GAP INSTALLED INTEGRALLY WITHIN THE MACHINE CONFORMING TO ASSE 1007.

















MECHANICAL NOTES:

1. ALL SUPPLY AIR REGISTERS SHALL BE 24 INCHES X 24 INCHES ADJUSTABLE WITH 8 INCHES X 20 INCHES (INSIDE) OVERHEAD FIBERGLASS MAIN DUCT, AND 8 INCH X 16 INCH (INSIDE) OVERHEAD FIBERGLASS STEP DOWN MAIN DUCT. DUCTS LOCATED OUTSIDE THE BUILDING ENVELOPE INCLUDING ATTIC DUCTS LOCATED ABOVE CEILING INSULATION SHALL HAVE R-8 MINIMUM INSULATION VALUE. DUCTS LOCATED IN UNCONDITIONED SPACES INCLUDING ATTIC DUCTS LOCATED BELOW CEILING OR ROOF INSULATION SHALL HAVE R-5 MINIMUM INSULATION VALUE. AT T-GRID CEILINGS THE FLEX DUCT FROM MAIN SUPPLY AIR DUCT TO SUPPLY AIR REGISTERS SHALL BE 8"Ø (INSIDE) AND THE FLEX DUCT FROM MAIN RETURN AIR DUCT TO RETURN AIR REGISTERS SHALL BE 10"Ø (INSIDE) UNLESS OTHERWISE SPECIFIED.
2. FIBERGLASS DUCTS SHALL BE CONSTRUCTED WITH CLASS 0 OR CLASS 1 DUCT MATERIAL IN ACCORDANCE WITH UL 181. FIBERGLASS DUCT CONSTRUCTION AND INSTALLATION SHALL CONFORM TO THE SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS OR MAIMA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS. METAL DUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS -- METAL AND FLEXIBLE. FLEXIBLE AIR DUCTS, BOTH FIBERGLASS AND METAL, SHALL BE TESTED IN ACCORDANCE WITH UL 181 AND SHALL BE LISTED AND LABELED AS CLASS 0 OR CLASS 1 FLEXIBLE AIR DUCT. ALL DUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. INTERIOR DOORS SHALL BE UNDERCUT 1.5 INCHES ABOVE FINISHED FLOOR FOR AIR RETURN AND OR AS NOTED ON FLOOR PLAN, EXCEPT DOORS LOCATED IN FIRE RATED PARTITIONS SHALL NOT BE UNDERCUT.
4. RESTROOM VENT FANS SHALL PROVIDE 75 CFM OR MORE EXHAUST PER WATER CLOSET OR URINAL, UNLESS OTHERWISE SPECIFIED ON PLANS.
5. VENT FANS SHALL BE DUCTED TO THE EXTERIOR AND TERMINATE AT AN APPROVED VENT CAP.
6. HVAC EQUIPMENT SHALL BE EQUIPPED WITH OUTSIDE FRESH AIR INTAKES CAPABLE OF PROVIDING 250 CFM FOR EACH UNIT.
7. THERMOSTATS SHALL BE PROGRAMMABLE AS REQUIRED BY THE APPLICABLE ENERGY CODE. IF PROGRAMMABLE THERMOSTATS ARE NOT INSTALLED IN THE FACTORY THEY SHALL BE PROVIDED BY THE BUILDING OWNER AND SITE INSTALLED BY OTHERS.

CLOTHES DRYER EXHAUST NOTES:

1. CLOTHES DRYER IS ASSUMED TO BE A DOMESTIC TYPE CLOTHES DRYER.
2. CLOTHES DRYER SHALL BE EXHAUSTED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
3. CLOTHES DRYER EXHAUST SHALL BE DUCTED THROUGH THE CRAWLSPACE TO THE OUTSIDE OF THE BUILDING AND SHALL BE EQUIPPED WITH A BACKDRAFT DAMPER.
4. WHERE EXHAUST DUCT PENETRATES A WALL MEMBRANE, THE ANNULAR SPACE SHALL BE SEALED WITH NONCOMBUSTIBLE MATERIAL, APPROVED FIRE CAULKING OR A NONCOMBUSTIBLE DRYER EXHAUST DUCT WALL RECEPTACLE.
5. DUCT VERTICAL RISERS SHALL BE PROVIDED WITH A MEANS FOR CLEANOUT.
6. EXHAUST DUCT SHALL BE 4 INCH NOMINAL IN DIAMETER AND SHALL HAVE A SMOOTH FINISH AND SHALL BE CONSTRUCTED OF 0.016 INCH MINIMUM METAL.
7. EXHAUST DUCT SHALL BE SUPPORTED AT 4-FOOT INTERVALS AND SECURED IN PLACE.
8. PROTECTIVE SHIELD PLATES SHALL BE PLACED WHERE NAILS OR SCREWS FROM FINISH OR OTHER WORK ARE LIKELY TO PENETRATE THE CLOTHES DRYER EXHAUST DUCT. SEE IMC SECTION 504.6.7 FOR SHIELD PLATE REQUIREMENTS.

SYMBOLS

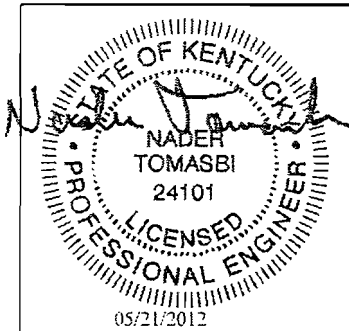
- | | | | |
|---|---|---|---|
|  | SMOKE DETECTOR |  | PROGRAMMABLE THERMOSTAT |
|  | DUPLEX RECEPTACLE 120 V. |  | FLUORESCENT FIXTURE |
|  | DUPLEX RECEPTACLE 120 V.
40 INCHES A.F.F. | | WITH 3-32W T8 TUBES
& ELECTRONIC BALLAST
(96 W. TOTAL FIXTURE WATTAGE) |
|  | QUADPLEX RECEPTACLE 120 V. |  | COMBO INTERNALLY LIGHTED
EXIT SIGN (5 W.) & EMERGENCY
LIGHT WITH BATTERY BACKUP |
|  | SINGLE RECEPTACLE 240 V. |  | JUNCTION BOX (NON
POWERED UNLESS CIRCUIT
NO. IS SHOWN) |
|  | SWITCH/ 3 WAY & DIMMER SWITCH |  | POWERED JUNCTION BOX
(200 WATTS MAX.) |
|  | EXTERIOR INCANDESCENT LIGHT
WITH 1- 60 W. BULB |  | EMERGENCY LIGHT WITH
BATTERY BACKUP |
|  | VENT FAN | | |
|  | SUPPLY AIR REGISTER | | |
|  | RETURN AIR REGISTER | | |

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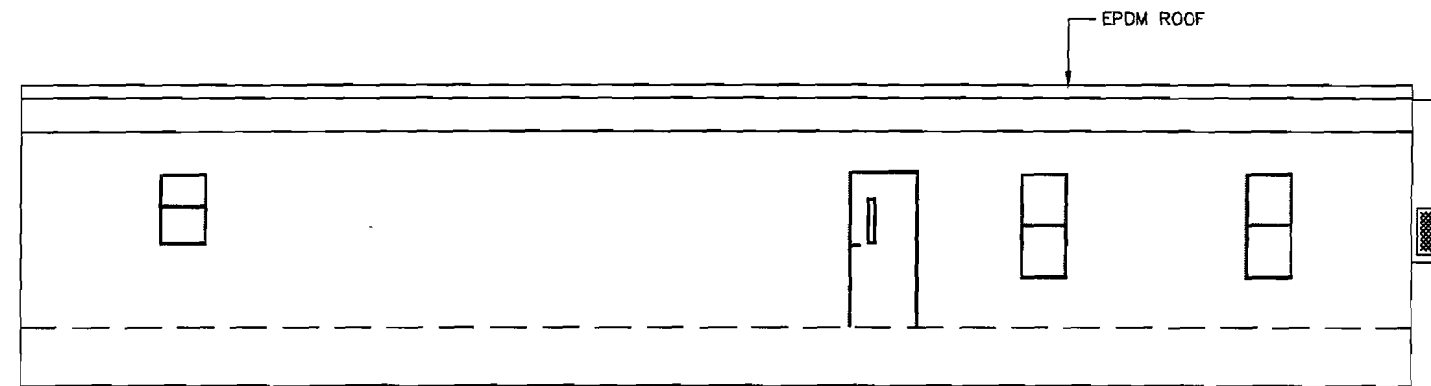
May 22, 2012

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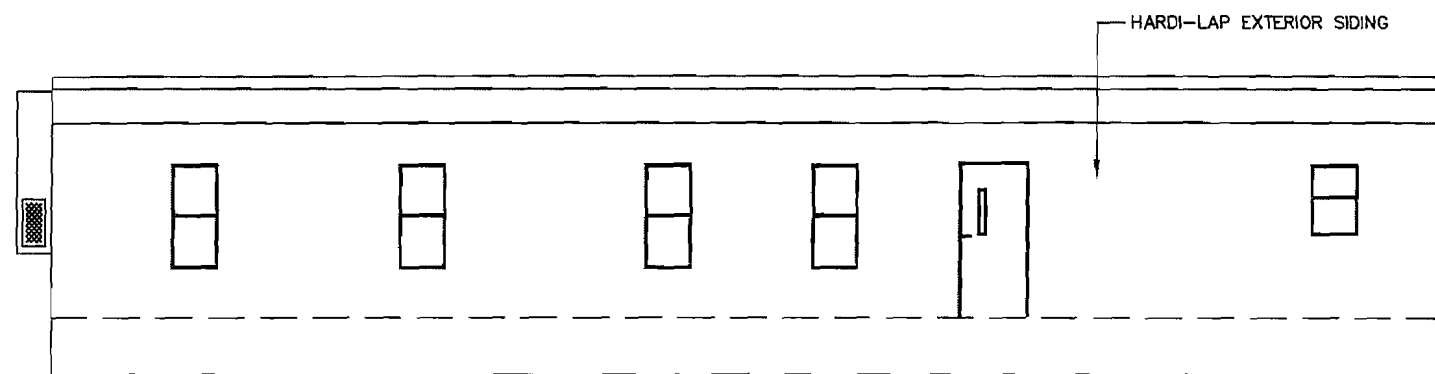


DIAMOND BUILDERS, INC.
440 THOMPSON DR. DOUGLAS GEORGIA 31534
(912)384-7080 FAX: (912)384-5721

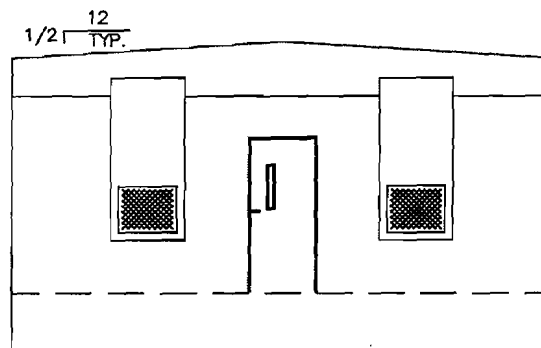
DATE: 05/07/2012	NADER TOMASBI, P.E. 58665 GLENRIVER DRIVE GOSHEN, IN 46528 574-370-3419	BY: NT
SCALE : N/A	REVISIONS:	
CODES: SEE SUMMARY		
LABELS: RADCO, KY		
DBI 5026 A/B	24 X 60	BUSINESS
ELECTRICAL, MECHANICAL & PLUMBING NOTES		SHEET 2 OF 9



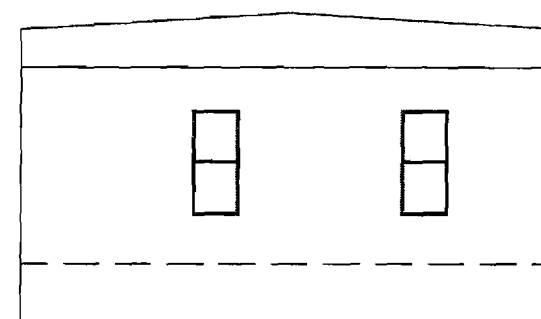
FRONT ELEVATION



REAR ELEVATION



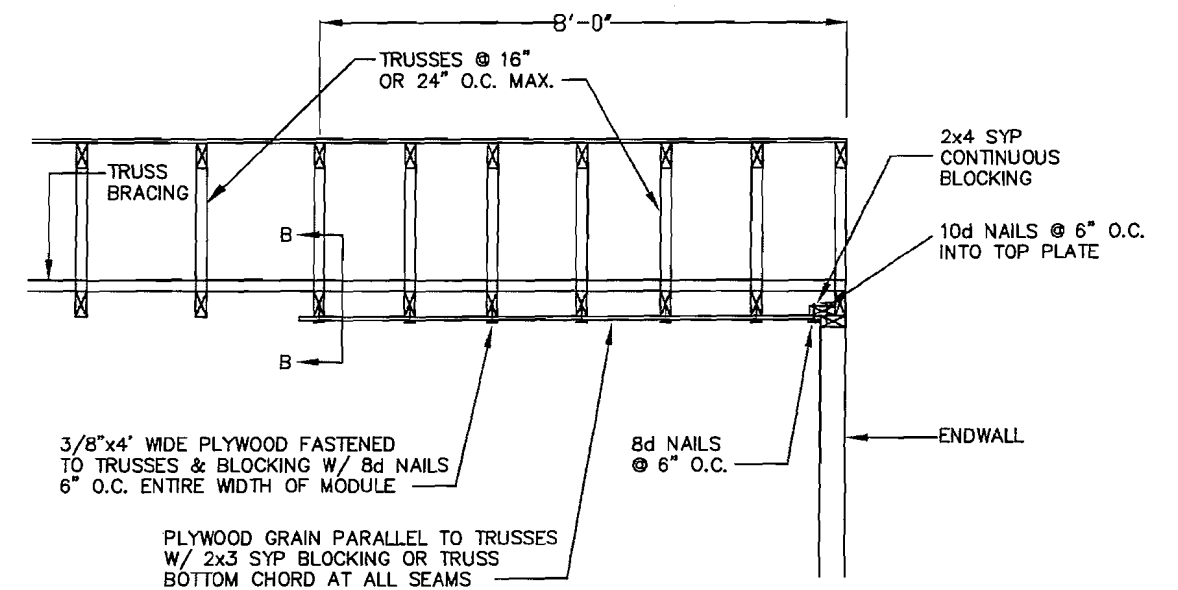
RIGHT ELEVATION



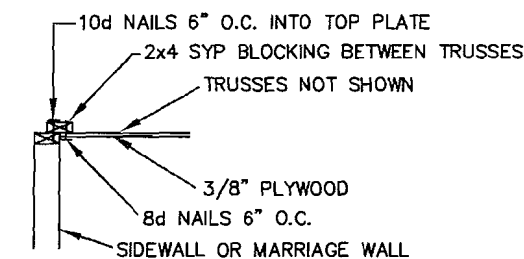
LEFT ELEVATION

TYPICAL ELEVATION NOTES:

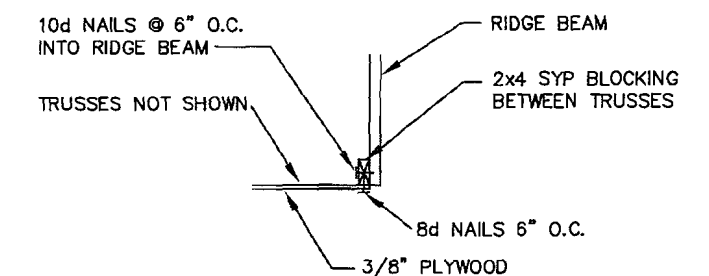
1. ALL SITE INSTALLED ITEMS ARE SUBJECT TO THE APPROVAL OF THE JURISDICTION HAVING AUTHORITY.
2. ACCESSIBLE RAMP(S), STAIR(S), AND HANDRAILS ARE DESIGNED BY OTHERS AND SITE INSTALLED.
3. FOUNDATION ENCLOSURE (IF PROVIDED) IS DESIGNED BY OTHERS AND SITE INSTALLED. ENCLOSURE MUST HAVE A MINIMUM NET AREA OF VENTILATION OPENINGS OF NOT LESS THAN ONE SQUARE FOOT FOR EACH 150 SQUARE FEET OF CRAWL SPACE AREA. LOCATE OPENINGS TO PROVIDE CROSS VENTILATION OF ENTIRE CRAWL SPACE. INSTALL AN 18" X 24" MINIMUM OPENING FOR CRAWL SPACE ACCESS.



SECTION A-A
(TYP. EACH ENDWALL)

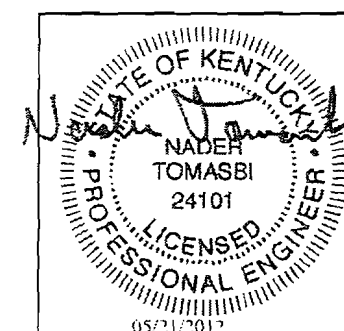


SECTION B-B
(TYP. EACH SIDEWALL & MARRIAGE WALL)

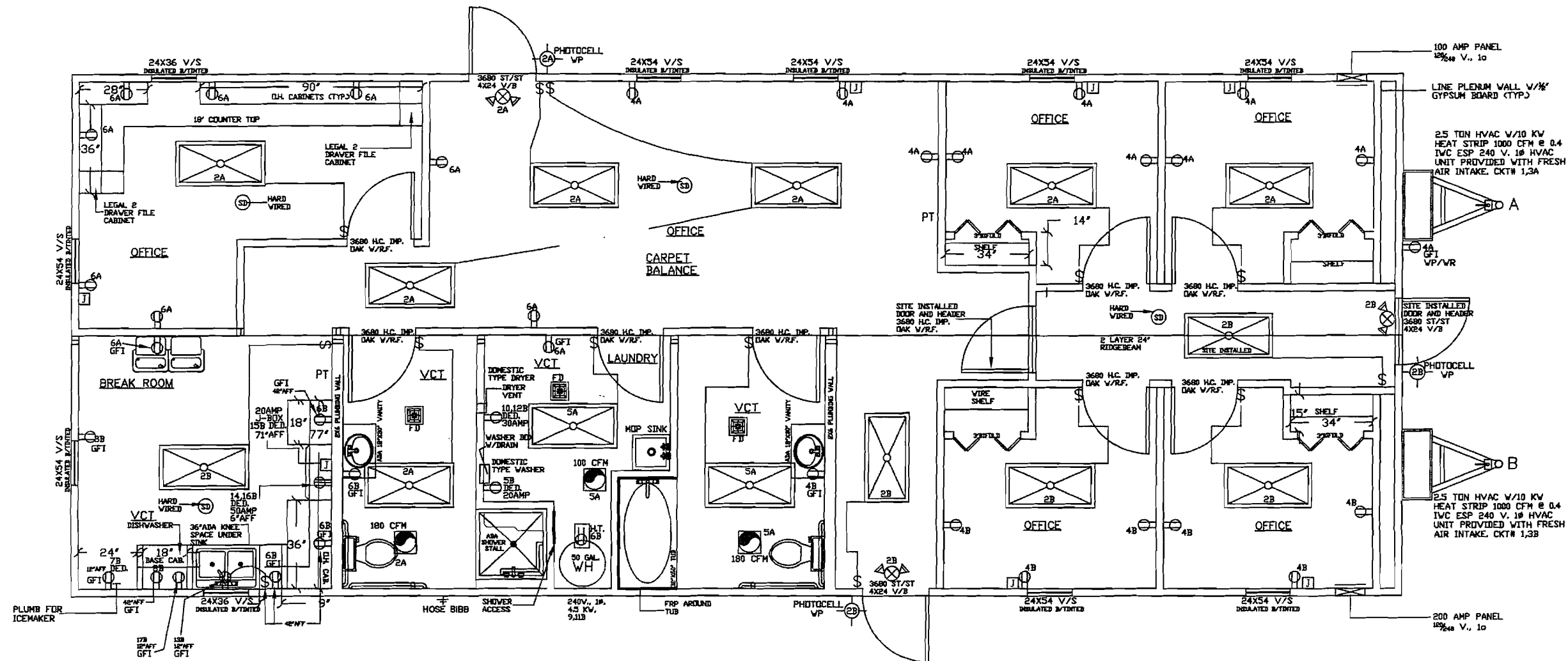


SECTION B-B
(TYP. AT RIDGE BEAM)

APPROVED **RADCO** APPROVED
May 22, 2012



DIAMOND BUILDERS, INC. 440 THOMPSON DR. DOUGLAS GEORGIA 31534 (912)384-7080 FAX: (912)384-5721			
DATE: 05/07/2012	NADER TOMASSBI, P.E. 58665 GLENRIVER DRIVE GOSHEN, IN 46528 574-370-3419		
SCALE : NTS	CODES: SEE SUMMARY	REVISIONS:	BY: NT
LABELS: RADCO, KY	DBI 5026 A/B	24 X 60	BUSINESS
ELEVATIONS & END WALL BRACING			SHEET 3 OF 9



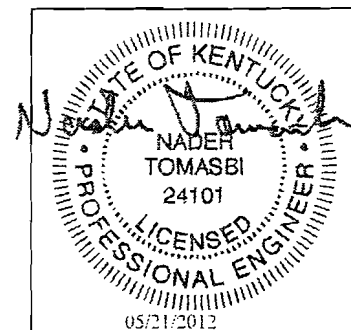
ELECTRICAL SCHEDULE 'A'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1,3A	HVAC	80 A (2P) HACR TYPE	8-6-10 MC *
2,5A	LIGHTING/FANS	15 A	14-2 MC
4,6A	RECEPTACLES	20 A	12-2 NM
ELECTRICAL PANEL SIZING:			
DESCRIPTION SUBPANEL 'A' KVA			
GENERAL LIGHTING			
.0035 KW/SF X 705SF X 1.25=			
20 RECEPTS AT 180VA/1000=			
3 FAN AT .3 KW X 1.25=			
HVAC			
TOTAL 18.3 KW			
TOTAL/240 X 1000= 76.3 AMPS			
INSTALL 100 AMP PANEL & MAIN BREAKER			
120/240 V 1Ø			

* INSULATION ON WIRING IN MC CABLE SHALL BE RATED FOR 90° C.

ELECTRICAL SCHEDULE 'B'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1,3B	HVAC	80 A (2P) HACR TYPE	8-6-10 MC *
2B	LIGHTING	15 A	14-2 MC
4,6,8B	RECEPTACLES	20 A	12-2 NM
5B	WASHER	20 A (1P)	12-2 NM
7B	REFRIGERATOR	20 A (1P)	12-2 NM
9,11B	W/H	25 A (2P)	10-3 NM
10,12B	DRYER	30 A (2P)	10-3 NM
14,16B	DEDICATED	50 A (2P)	6-3 NM
15B	MICROWARE	20 A (1P)	12-2 NM
13B	GARB. DISP.	20 A (1P)	12-2 NM
17B	DISH WASHER	20 A (1P)	12-2 NM

ELECTRICAL PANEL SIZING:	
DESCRIPTION	SUBPANEL 'B' KVA
GENERAL LIGHTING	
.0035 KW/SF X 705SF X 1.25=	
14 RECEPTS AT 180VA/1000=	
WATER HEATER 4.5 KW X 1.25=	
0 FANS AT .3 KW X 1.25=	
WASHER	
HVAC	
REFRIGERATOR	
DRYER	
DEDICATED	
MICROWARE	
GARBAGE DISPOSAL	
DISH WASHER	
TOTAL 42.9 KW	
TOTAL/240 X 1000= 178.8 AMPS	
INSTALL 200 AMP PANEL & MAIN BREAKER	
120/240 V 1Ø	

APPROVED
RADCO
May 22, 2012
APPROVED



DIAMOND BUILDERS, INC.			
440 THOMPSON DR., DOUGLAS GEORGIA 31534			
(912)384-7080 FAX: (912)384-5721			
DATE: 05/07/2012		NADER TOMASBI, P.E.	
SCALE: 3/16" = 1'-0"		58665 GLENRIVER DRIVE	
CODES: SEE SUMMARY		GOSHEN, IN 46528	
LABELS: RADCO, KY		574-370-3419	
DBI 5026 A/B		REVISIONS:	
24 X 60		BY: NT	
BUSINESS		SHEET	
ELECTRICAL PLAN		6 OF 9	

ACCESSIBILITY NOTES FOR BATHTUB:

1. ACCESSIBLE BATHTUB SHALL BE EQUIPPED WITH A REMOVABLE IN-TUB SEAT. THE TOP OF THE BATHTUB SEAT SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM ABOVE THE BATHROOM FLOOR FINISH. THE SEAT DEPTH SHALL BE 15 INCHES MINIMUM AND 16 INCHES MAXIMUM. THE SEAT SHALL BE CAPABLE OF SECURE PLACEMENT.
2. BACK WALL OF BATHTUB SHALL HAVE TWO HORIZONTAL GRAB BARS, ONE SHALL BE 8 INCHES MINIMUM AND 10 INCHES MAXIMUM ABOVE THE RIM OF THE BATHTUB AND THE OTHER SHALL BE 33 INCHES MINIMUM AND 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE.
3. CONTROL END WALL SHALL HAVE ONE HORIZONTAL GRAB BAR 24 INCHES LONG MINIMUM INSTALLED AT THE FRONT EDGE OF THE BATHTUB.
4. HEAD END WALL SHALL HAVE ONE HORIZONTAL GRAB BAR 12 INCHES LONG INSTALLED AT THE FRONT EDGE OF THE BATHTUB.
5. CONTROLS SHALL BE BETWEEN THE BATHTUB RIM AND GRAB BAR, AND BETWEEN THE OPEN SIDE OF THE BATHTUB AND THE CENTERLINE OF THE WIDTH OF THE BATHTUB.
6. A SHOWER SPRAY UNIT WITH A HOSE AT LEAST 59 INCHES LONG THAT CAN BE USED BOTH AS A FIXED SHOWER HEAD AND AS A HAND-HELD SHOWER SHALL BE PROVIDED. SHOWER SPRAY CONTROL SHALL BE EQUIPPED WITH AN ON/OFF CONTROL WITH A NON-POSITIVE SHUT-OFF AND SHALL LIMIT TEMPERATURE TO 110°F (43°C). IF AN ADJUSTABLE HEIGHT SHOWER HEAD ON A VERTICAL BAR IS USED, THE BAR SHALL BE INSTALLED SO AS NOT TO OBSTRUCT THE USE OF THE GRAB BARS.
7. ENCLOSURE FOR BATHTUB SHALL NOT OBSTRUCT CONTROLS, FAUCETS, SHOWER AND SPRAY UNITS OR OBSTRUCT TRANSFER FROM WHEELCHAIR ONTO BATHTUB SEAT OR INTO BATHTUB. ENCLOSURE ON BATHTUB SHALL NOT HAVE TRACTS INSTALLED ON THE RIM OF THE OPEN FACE OF THE BATHTUB.

SUPPLY LINE NOTES:

1. SUPPLY LINE SIZING IS BASED ON AN ASSUMED AVAILABLE PRESSURE OF 50 PSI TO 60 PSI AT THE LOCATION OF THE INLET(S) SHOWN AFTER ANY DEDUCTIONS FOR WATER PRESSURE REDUCING VALVES OR SPECIAL EQUIPMENT SUCH AS BACKFLOW PREVENTOR, FILTER, SOFTENER, ETC. THIS AVAILABLE PRESSURE MUST BE VERIFIED PRIOR TO CONSTRUCTION.
2. SUPPLY LINE INLET(S) SHOWN ON THESE PLANS ARE ASSUMED TO EXTEND ONLY TO EXTERIOR WALL. ALL SERVICE SUPPLY LINES UP TO THE INLET(S) ARE DESIGNED BY OTHERS AND SITE INSTALLED UNLESS OTHERWISE SPECIFIED.
3. SUPPLY LINE SIZING MUST BE REDESIGNED IF THE BUILDING DOES NOT COMPLY WITH ANY OF THE ABOVE ASSUMPTIONS.
4. UNLESS OTHERWISE SPECIFIED ALL SUPPLY LINES ARE 3/4" AND ALL STUB-UPS ARE 1/2".

— COLD
- - - - - HOT

DWV RISERS -NTS.-

- NOTES:
1. ALL P-TRAPS SHALL BE SLIP JOINT TYPE TO ALLOW DRAIN LINE CLEANOUT.
 2. ALL 3" VTR'S SHALL EXTEND 12" MIN. BELOW AND ABOVE ROOF LINE.

FD = FLOOR DRAIN WITH TRAP PRIMER AND REMOVABLE STRAINER. IF TRAP PRIMER CONNECTS TO A POTABLE WATER SUPPLY THEN A BACKFLOW PREVENTOR SHALL BE INSTALLED ON THE PRIMER SUPPLY LINE.

ACCESSIBLE SHOWER STALL RECESSED FLOOR AREA DETAIL

- NTS -

PLUMBING SCHEDULE		
ITEM	PRODUCT	STANDARD
SUPPLY LINES	CPVC	ASTM D 2846
DWV LINES	SCHEDULE 40 PVC	ASTM D 2665
TOILET	BRIGGS HANDICAP	ANSI Z124.4
LAVATORY	BOURBON PLASTICS	ANSI Z124.3
LAVATORY FAUCET	MATCO-NORCA	ASME A112.18.1/CSA B125.1
TUB	AQUAGLASS 39764R	ANSI Z124.1.2
TUB FAUCET	MOEN	ASME A112.18.1/CSA B125.1
SHOWER	MOEN DN7100	CSA B45.5
SHOWER FAUCET	MOEN	ASME A112.18.1/CSA B125.1
MOP SINK	H & S SUPPLY	CSA B45.1
MOP SINK FAUCET	MUSTEE	ASME A112.18.1/CSA B125.1
BREAK ROOM SINK	DBL BOWL S.S. LOWES	ANSI Z124.6
B.R. SINK FAUCET	MOEN	ASME A112.18.1/CSA B125.1
WATER HEATER	BRADFORD WHITE	ASHRAE 90.1b & NAECA
DOMESTIC DISH WASHER	BY OTHERS	ASSE 1006
WASHING MACHINE	BY OTHERS	ASSE 1007
DRINKING FOUNTAIN	HASLEY TAYLOR	ASME A112.19M, ARI TOTO, & NSF 61 SECTION 9

DIAMOND BUILDERS, INC.
440 THOMPSON DR, DOUGLAS GEORGIA 3154
(912)384-7080 FAX: (912)384-5721

DATE: 05/07/2012
SCALE: NTS
CODES: SEE SUMMARY
LABELS: RADCO, KY

NADER TOMASBI, P.E.
58665 GLENRIVER DRIVE
GOSHEN, IN 46528
574-370-3419

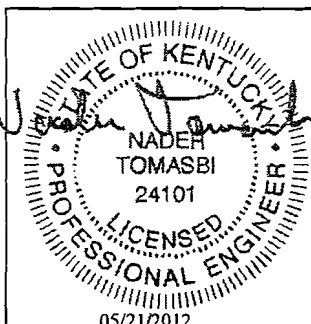
REVISIONS:
05-22-12

BY:
NT

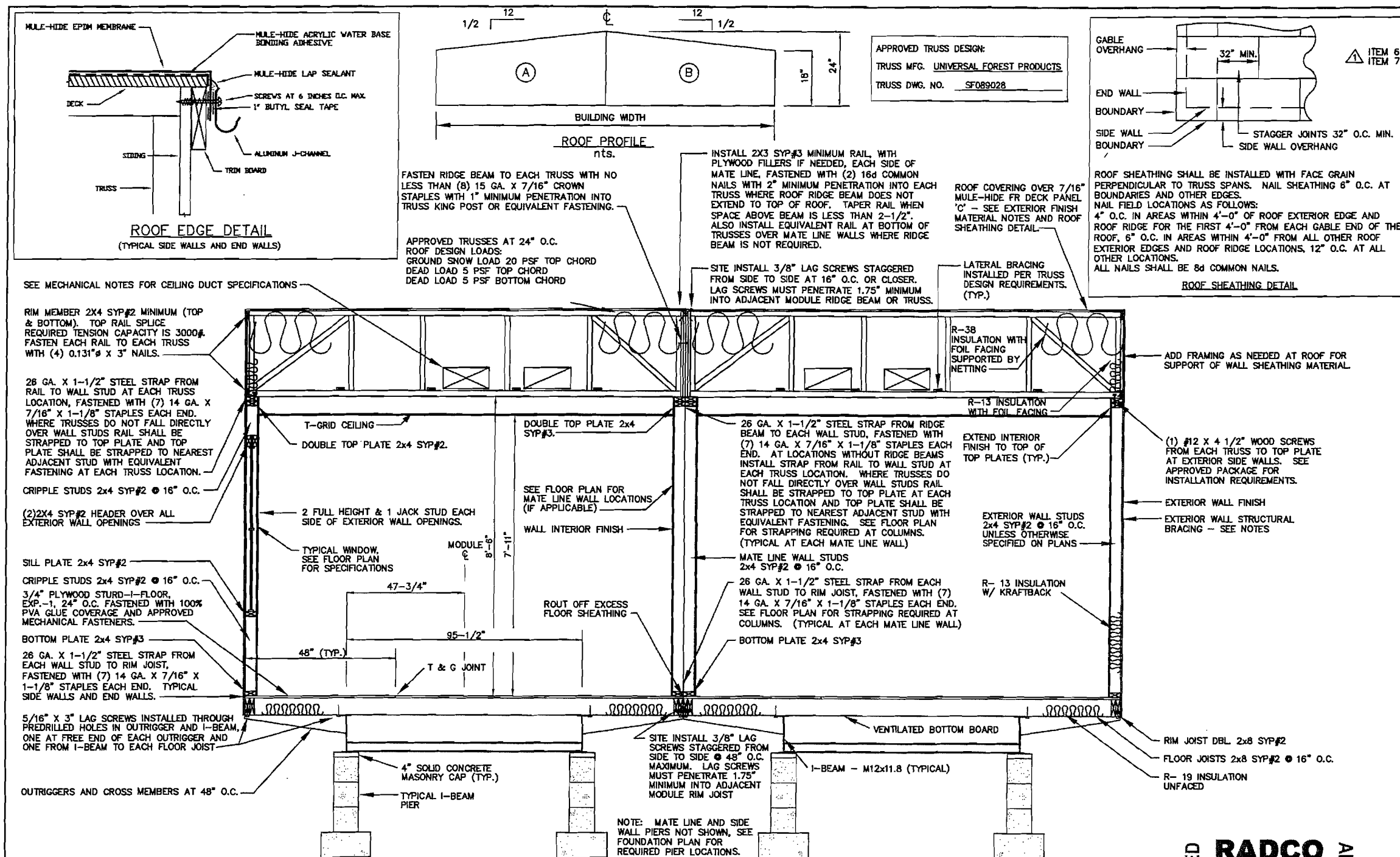
DBI 5026 A/B 24 X 60 BUSINESS

SHEET
7 OF 9

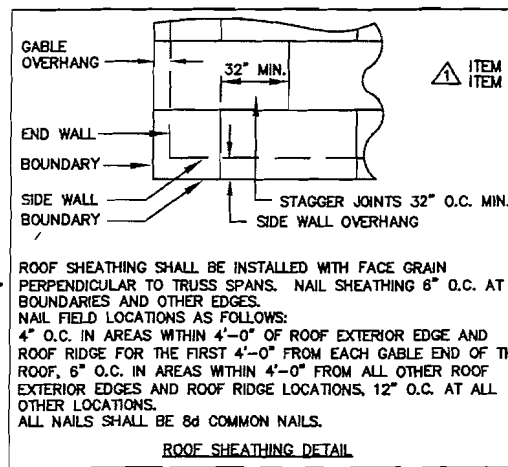
PLUMBING RISERS AND DETAILS



APPROVED
RADCO
May 22, 2012
APPROVED



APPROVED TRUSS DESIGN:
TRUSS MFG. UNIVERSAL FOREST PRODUCTS
TRUSS DWG. NO. SF089028



- GENERAL CROSS SECTION NOTES:
1. ALL STEEL SHALL COMPLY WITH AISC 360 REGARDING DESIGN, FABRICATION AND ERECTION. ALL STEEL SHALL COMPLY WITH ASTM A36, YIELD STRENGTH 36 KSI. WELDS SHALL COMPLY WITH AWS D1.1/D1.1M-06.
 2. ALL LAG SCREWS SHALL COMPLY WITH ANSI/ASME B18.2.1. Fy = 60 KSI MINIMUM.
 3. SEE FOUNDATION PLAN FOR PIER, WALL AND TIE DOWN ANCHORAGE LOCATIONS, ORIENTATIONS AND SPECIFICATIONS.
 4. WHERE 1" STAPLES ARE SPECIFIED THIS SHALL MEAN 1" PENETRATION INTO HOLDING MEMBER.
 5. WHERE KRAFTBACK OR OTHER VAPOR RETARDERS ARE SPECIFIED THEY SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE ASSEMBLIES UNLESS OTHERWISE SPECIFIED.
 6. ALL EXPOSED INSULATION SHALL HAVE FOIL FACING VAPOR RETARDER WITH A FLAMESPREAD RATING < 25 AND SMOKE DEVELOPED RATING < 450.
 7. INTERIOR FINISH MATERIALS SHALL HAVE A MINIMUM CLASS 'C' FINISH RATING PER ASTM E 84 UNLESS OTHERWISE SPECIFIED.

- GENERAL FINISH NOTE:
1. ALL ROOFING AND SIDING MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE PRODUCTS MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 2. ROOFING AND SIDING MATERIALS AND THEIR FASTENINGS SHALL BE DESIGNED TO RESIST THE COMPONENT WIND LOAD SHOWN ON THE COVER SHEET.
 3. ALL ROOF COVERINGS SHALL MEET CLASS C OR BETTER REQUIREMENTS.
 4. WALL FINISH SHALL BE INSTALLED OVER APPROVED WATER-RESISTIVE BARRIER AND BRACING MATERIAL.
 5. WATER-RESISTIVE BARRIER BEHIND WALL COVERING SHALL BE A MINIMUM OF ONE LAYER OF NO. 15 ASPHALT FELT COMPLYING WITH ASTM D 226 FOR TYPE I FELT OR OTHER APPROVED MATERIALS. BARRIER SHALL BE ATTACHED TO STUDS OR SHEATHING, WHICHEVER IS LOCATED DIRECTLY BEHIND WALL COVERING, WITH FLASHING AS DESCRIBED IN IBC SECTION 1405.3 IN SUCH A MANNER AS TO PROVIDE A CONTINUOUS WATER-RESISTIVE BARRIER. THE WATER-RESISTIVE BARRIER SHALL BE INSTALLED IN ACCORDANCE WITH THE WALL FINISH MANUFACTURER'S SPECIFICATIONS.

- INTERIOR FINISH MATERIALS:
- CEILING - CLASS 'A' T-GRID CEILING INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- WALL - 1/2 INCH VINYL COVERED GYPSUM BOARD EXCEPT FRP AT TUB WALLS.
- FLOOR - VINYL BLOCK TILE OR LINOLEUM IN RESTROOMS AND OTHER WET AREAS; CARPET, VINYL BLOCK TILE, OR LINOLEUM INSTALLED IN ALL OTHER AREAS.

- EXTERIOR FINISH MATERIALS:
- ROOF - MULE-HIDE 45 MIL WHITE EPDM FULLY ADHERED IN ACCORDANCE WITH ICC ES ESR-1463 OVER 7/16" MULE-HIDE FR DECK PANEL 'C' IN ACCORDANCE WITH ICC ES ESR 1776.
- WALL - 5/16" HARDPLANK-LAPSIDING PER NER 405 FASTENED WITH 6d COMMON X 2" NAILS THROUGH OVERLAP AT EACH STUD, INSTALLED OVER APPROVED WATER-RESISTIVE BARRIER OVER STRUCTURAL BRACING MATERIAL.

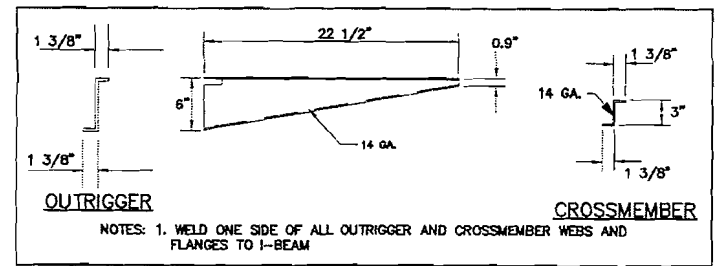
- EXTERIOR WALL STRUCTURAL BRACING:
- END WALLS & SIDE WALLS:
BRACING INSTALLATION:
STRUCTURAL SHEATHING SHALL EXTEND CONTINUOUS FROM TOP OF TRUSS TOP CHORD TO BOTTOM OF FLOOR RIM JOIST WITH ALL SHEATHING EDGES SUPPORTED BY 2" NOMINAL LUMBER OF THE SAME SIZE AND SPECIE AS EXTERIOR WALL FRAMING.
BRACING MATERIAL:
7/16" OSB RATED SHEATHING, EXP-1, FASTENED WITH 8d COMMON OR GALV. BOX NAILS AT 3" O.C. EDGES AND 9" O.C. IN THE FIELD.

PLYWOOD RIDGE BEAM CONSTRUCTION:

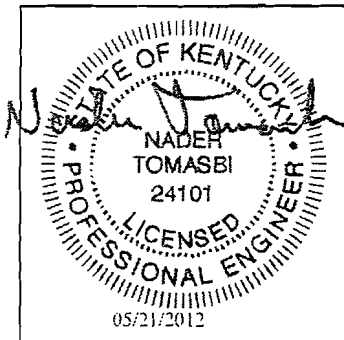
2 LAYERS 3/4" X 24" PLYWOOD RATED SHEATHING, EXP. 1, STRUCTURAL I, 5 PLY/5 LAYER, 48/24 INDEX, EACH SIDE OF MATE LINE CONTINUOUS OVER ALL CLEAR SPANS AND OVER ALL SUPPORT COLUMNS.

NOTES:

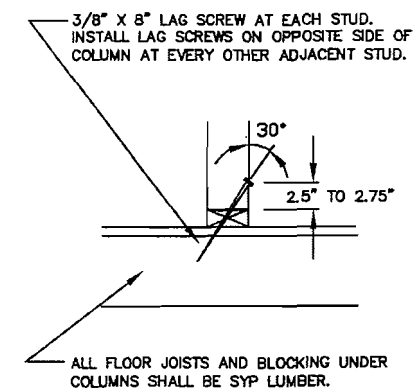
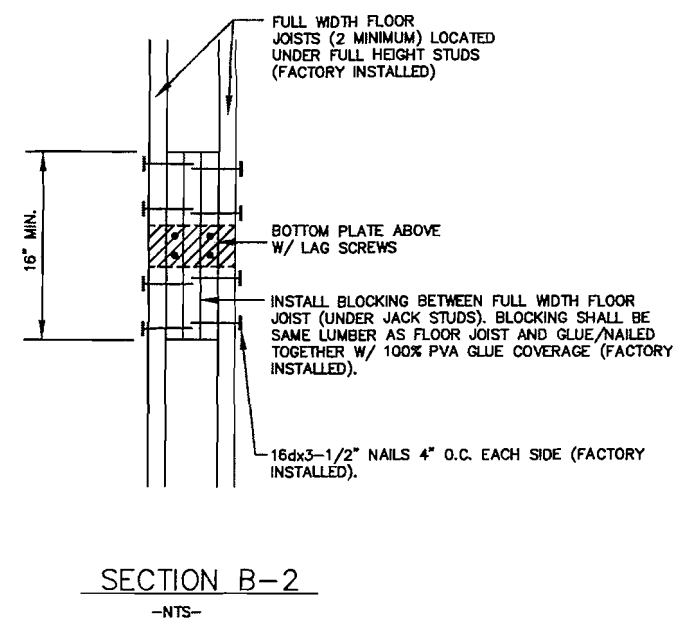
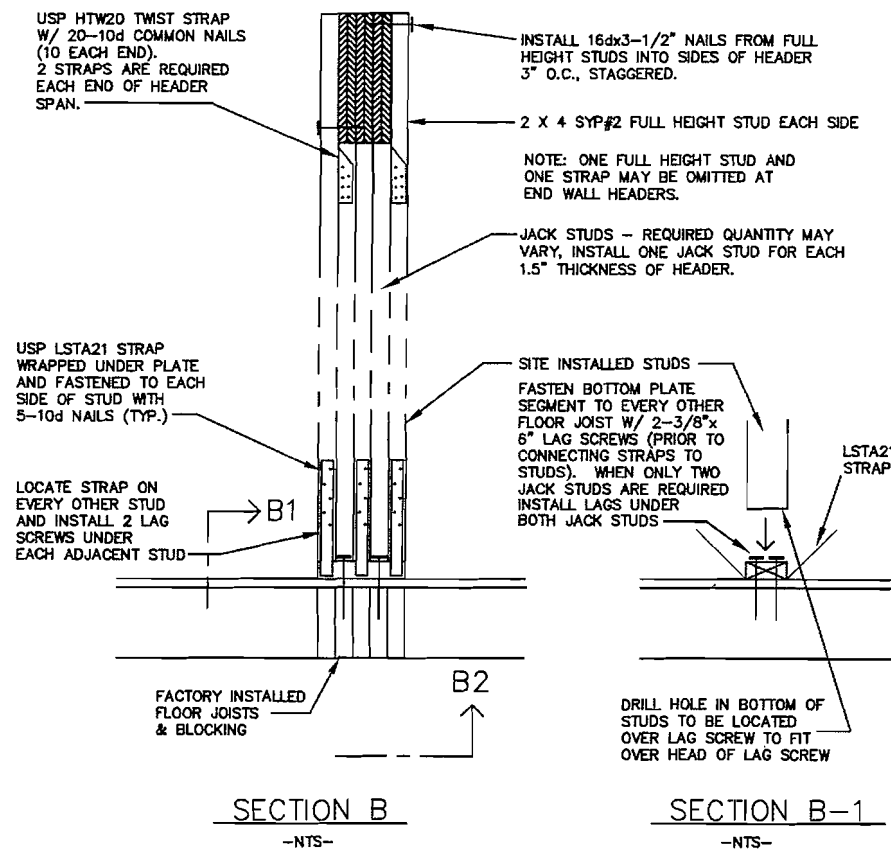
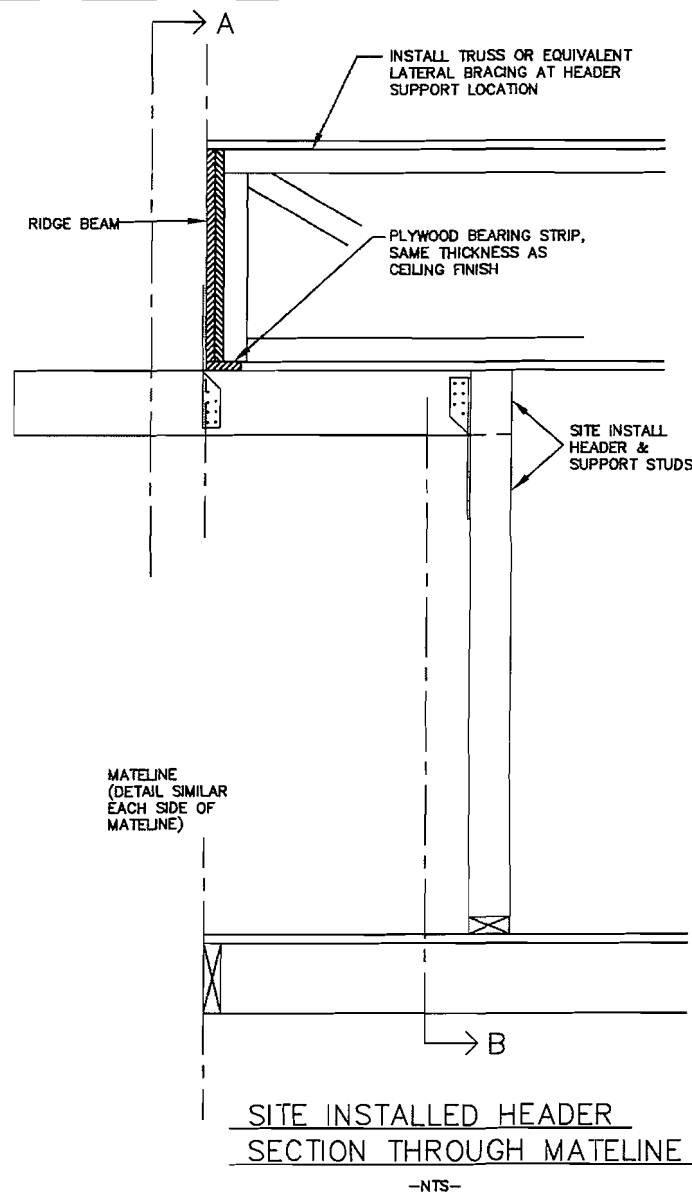
1. PLYWOOD FACE GRAIN MUST BE PARALLEL TO DIRECTION OF RIDGE BEAM SPAN.
2. ALL PLYWOOD BUTT JOINTS MUST BE STAGGERED 24" APART MINIMUM.
3. ALL RIDGE BEAM LAMINATIONS MUST BE THE SAME DEPTH, THICKNESS AND GRADE OF PLYWOOD. NO LUMBER OR PLYWOOD PLANES ARE PERMITTED.
4. PLYWOOD MUST BE MANUFACTURED IN ACCORDANCE WITH PS I-95.
5. PLYWOOD LAMINATIONS ON EACH SIDE OF THE MATE LINE MUST BE GLUE-NAILED TO ADJACENT LAYERS IN ACCORDANCE WITH PDS SUPPLEMENT #5, WITH AN ADHESIVE COMPLYING WITH ASTM D2559 OR CA25-4.
6. PLYWOOD MUST NOT BE TREATED WITH A FIRE RETARDANT PROCESS.
7. MOISTURE CONTENT MUST BE LESS THAN 16%.
8. RIDGE BEAMS MUST EXTEND CONTINUOUS OVER ENTIRE LENGTH OF ALL SUPPORT COLUMNS.
9. INSTALL 2x4 SYP #3 MINIMUM RIDGE BEAM BEARING STIFFENER OVER SUPPORT COLUMNS WHEN SPECIFIED ON FLOOR PLAN. STIFFENER HEIGHT SHALL NOT BE LESS THAN RIDGE BEAM HEIGHT MINUS 4 INCHES. FASTEN THE FACE OF THE STIFFENER TO THE RIDGE BEAM WITH 100% GLUE COVERAGE AND (6) 16 GA. X 2-1/2" STAPLES.



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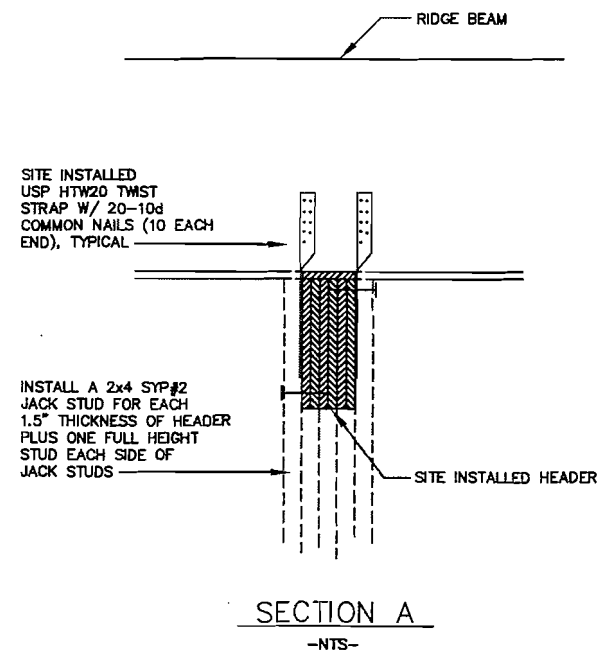
DIAMOND BUILDERS, INC. 440 THOMPSON DR., DOUGLAS GEORGIA 31534 (912)384-7080 FAX: (912)384-5721			
DATE: 05/07/2012	NADER TOMASBI, P.E. 58665 GLENRIVER DRIVE GOSHEN, IN 46528 574-370-3419		
SCALE: NTS	REVISIONS:		BY: NT
CODES: SEE SUMMARY	LABELS: RADCO, KY		SHEET
DBI 5026 A/B	24 X 60	BUSINESS	8 OF 9
CROSS SECTION			



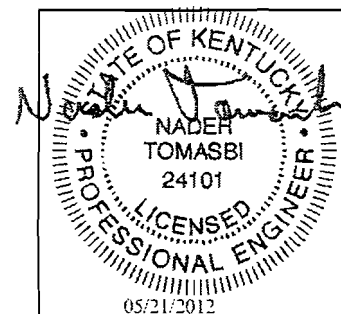
THIS FASTENING MAY BE USED IN LIEU OF THE LSTA STRAPS AND LAG SCREWS SHOWN IN SECTION B ABOVE.

SITE INSTALLED HEADER INSTALLATION PROCEDURE:

1. PRIOR TO ATTACHING MODULES TOGETHER INSTALL TWIST STRAPS TO RIDGE BEAM AT SPECIFIED HEADER LOCATIONS. SEE SECTION A. DISTANCE BETWEEN STRAPS WILL BE DETERMINED BY HEADER WIDTH. SEE FLOOR PLAN FOR LOCATION OF HEADER(S).
2. MODULES MAY BE ATTACHED TOGETHER.
3. PLACE LSTA STRAPS UNDER BOTTOM PLATE SEGMENT AND ATTACH SEGMENT TO FLOOR JOISTS WITH LAG SCREWS. SEE SECTION B-1. NOTE THAT IF STUDS ARE TO BE INSTALLED IN A WALL, FACTORY SHOULD OMIT BOTTOM PLATE WHERE SITE INSTALLED BOTTOM PLATE SEGMENT IS TO BE PLACED OTHERWISE IT MUST BE REMOVED ON SITE.
4. FASTEN ALL JACK AND FULL LENGTH STUDS TOGETHER WITH 100% PVA GLUE COVERAGE AND 10d NAILS 6" O.C.
5. INSTALL PRE-FABRICATED SITE INSTALLED HEADER IN PLACE AND ATTACH TWIST STRAPS FROM RIDGE BEAM. HEADER SHALL BE SNUG AGAINST RIDGE BEAM OR BEARING STRIP.
6. INSTALL JACK AND FULL LENGTH STUDS IN PLACE AND ATTACH LSTA STRAPS FROM BOTTOM PLATE SEGMENT TO FULL HEIGHT AND JACK STUDS AS APPLICABLE.
7. INSTALL TWIST STRAPS FROM HEADER TO FULL HEIGHT STUDS.
8. APPLY FINISH MATERIALS.



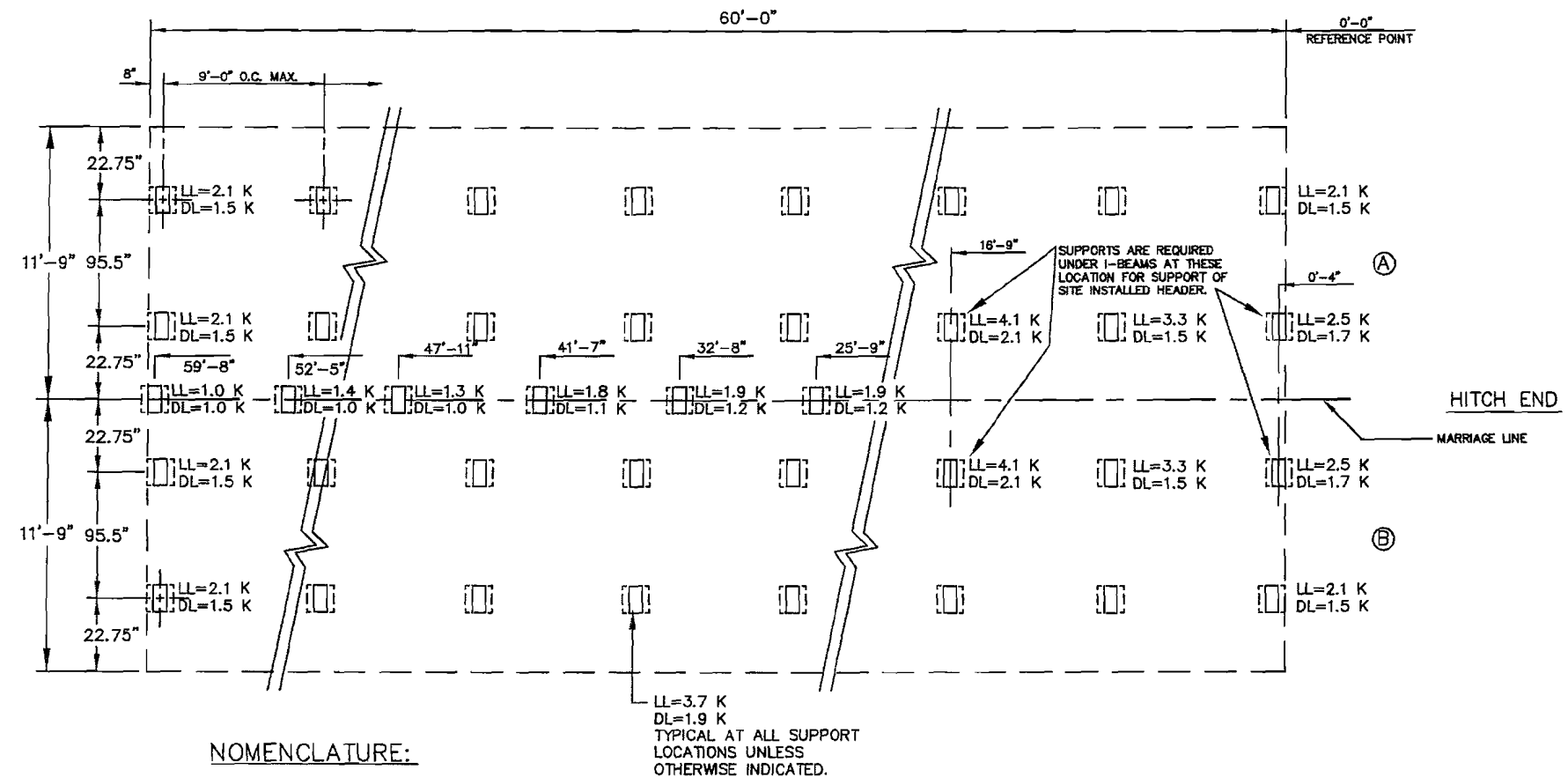
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SITE INSTALLED HEADER DETAILS			

FOUNDATION NOTES:

1. THE ONLY PURPOSE OF THIS PLAN IS TO SHOW GRAVITY AND WIND LOAD FORCES THAT THE FOUNDATION MUST RESIST. THE ACTUAL FOUNDATION SUPPORTING SYSTEM AND ALL CONNECTIONS THERE-TO ARE DESIGNED BY OTHERS.
2. THE FOUNDATION DIMENSIONS ARE NOMINAL. AN INCREASES IN MODULE WIDTH SHOULD BE EXPECTED DUE TO MODULE EXPANSION, SETTING TOLERANCES, ETC. THE FOUNDATION CONTRACTOR SHOULD CONSULT WITH THE MANUFACTURER OF THE MODULES PRIOR TO CONSTRUCTION OF THE FOUNDATION TO DETERMINE THE AMOUNT OF INCREASED WIDTH TO BE ADDED TO THE NOMINAL DIMENSIONS SHOWN.
3. THESE PLANS DO NOT CONTAIN FOUNDATION SUPPORT AND TIE DOWN SYSTEM DETAILS & SPECIFICATIONS. THE BUILDING ENGINEER SHOULD BE CONTACTED TO OBTAIN APPROPRIATE FOUNDATION PLANS. IF FOUNDATION PLANS ARE DESIGNED BY OTHERS, THE BUILDING ENGINEER SHALL NOT BE HELD RESPONSIBLE OR LIABLE FOR THE FOUNDATION DESIGN & THE CONSEQUENTIAL PERFORMANCE OF THE SUPERSTRUCTURE'S STRUCTURAL COMPONENTS AND SYSTEMS RELATING THERETO.
4. GRAVITY SUPPORT SHALL BE PROVIDED WITHIN ONE FOOT OF EACH END OF EACH I-BEAM AND AT 9 FOOT ON CENTER MAXIMUM IN BETWEEN END SUPPORTS. GRAVITY SUPPORT SHALL BE PROVIDED UNDER ALL INTERIOR COLUMN LOCATIONS. THE FOUNDATION DESIGNER IS RESPONSIBLE FOR DETERMINING THE APPLICABLE DESIGN GRAVITY LOADS.
5. NET UPLIFT WIND LOAD ON EACH SIDE OF EACH MATE LINE IS 110 PLF IN END ZONES AND 60 PLF IN INTERIOR ZONES. EACH COLUMN (INCLUDING SITE INSTALLED HEADER COLUMNS) SHALL BE TIE DOWN TO THE FOUNDATION WITH ANCHORAGE HAVING A CAPACITY EQUAL TO THE MATE LINE TRIBUTARY LENGTH TIMES THE APPLICABLE UPLIFT LOAD SPECIFIED ABOVE.
6. EXTERIOR SIDE WALL I-BEAMS (60' WALLS) SHALL BE FASTENED TO FOUNDATION SO AS TO RESIST A NET HORIZONTAL WINDWARD LOAD PERPENDICULAR TO THE WALL OF 240 PLF IN THE END ZONES AND 170 PLF IN THE INTERIOR ZONES AND A NET VERTICAL WIND LOAD OF 250 PLF IN THE END ZONES AND 200 PLF IN THE INTERIOR ZONES. SPACING BETWEEN FOUNDATION TIE DOWN POINTS ALONG SIDE WALL I-BEAMS SHALL NOT EXCEED 5'-6" IN END ZONES AND 9'-0" IN INTERIOR ZONES. FOUNDATION DESIGNER MUST VERIFY THAT TIE DOWN METHOD DOES NOT OVER STRESS PERIMETER I-BEAMS.
7. I-BEAMS AT ALL MODULE END WALLS SHALL BE FASTENED TO FOUNDATION SO AS TO RESIST A NET WINDWARD HORIZONTAL LOAD PERPENDICULAR TO THE WALL OF 1500 POUNDS PER I-BEAM IN THE END ZONES AND 1000 POUNDS PER I-BEAM IN THE INTERIOR ZONES.
8. EXTERIOR END WALLS SHALL BE FASTENED TO FOUNDATION SO AS TO RESIST A HORIZONTAL WIND LOAD OF 200 PLF PARALLEL TO THE END WALLS.
9. ALL EXTERIOR WALLS SHALL BE TREATED AS SHEAR WALLS AND SHALL BE TIED DOWN TO THE FOUNDATION ACCORDINGLY (TIE DOWN DESIGNED BY OTHERS). THIS ALSO APPLIES TO INTERIOR WALLS DESIGNATED AS SHEAR WALLS.
10. END ZONES ARE ALL AREAS LOCATED WITHIN 8'-0" OF BUILDING CORNERS.
11. PLF = POUNDS PER LINEAR FOOT.
12. DEAD LOADS OF THE MODULES HAVE ALREADY BEEN DEDUCTED FROM THE NET LOADS SPECIFIED ABOVE. HORIZONTAL AND VERTICAL WIND LOADS SHOULD BE ASSUMED TO ACT IN EITHER DIRECTION UNLESS OTHERWISE SPECIFIED.
13. FOUNDATION DESIGNER MUST DESIGN FOUNDATION FOR APPLICABLE SEISMIC LOADING BASED ON ACTUAL SITE CONDITIONS.

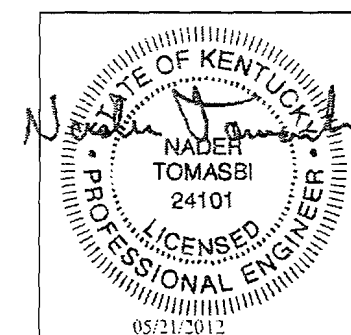


NOMENCLATURE:

1. K = KIPS. 1 K = 1000 POUNDS.
2. LL = TOTAL UNFACTORED LIVE LOAD.
3. DL = TOTAL UNFACTORED DEAD LOAD.

□ TYPICAL FOUNDATION SUPPORT LOCATION SYMBOLS

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FOUNDATION KIP LOAD PLAN			SHEET 1 OF 1