

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.
- ALL STEEL STRAPS REFERENCED ON FLOOR PLAN SHALL BE 1.5 INCH x 26 GA. WITH 8 - 15 GA. x 7/16 INCH CROWN x 1 INCH STAPLES EACH END OF STRAP OR EQUIVALENT FROM RIDGE BEAM TO COLUMN, AND COLUMN TO FLOOR.
- 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.
- WHEN BUILDINGS ARE INSTALLED IN WIND-BORNE REGIONS, EXTERIOR GLAZING SHALL BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT RESISTANT COVERING, UNLESS INDICATED OTHERWISE IN THE SPECIFICATIONS FOR BUILDING. THE GLAZED OPENING PROTECTION WILL BE PROVIDED BY WOOD STRUCTURAL PANELS WITH A MINIMUM THICKNESS OF 7/16" WHICH ARE PRECUT TO COVER THE GLAZED OPENINGS, AND ATTACHED WITH 2 1/2" x #8 WOOD SCREWS SPACED NOT MORE THAN 9" O.C. THE PRECUT WOOD STRUCTURAL PANELS AND WOOD SCREWS ARE TO BE PROVIDED ON SITE BY THE OWNER, SUBJECT TO LOCAL APPROVAL.
- WIND-BORNE DEBRIS REGIONS ARE DESIGNATED IN SECTION 1809 OF THE IBC.
- FIRE SAFETY PLAN REVIEW AND INSPECTION IS RESERVED FOR THE LOCAL AUTHORITY HAVING JURISDICTION.
- WINDOWS AND DOORS MUST BE CERTIFIED FOR COMPLIANCE WITH THE WIND DESIGN PRESSURE FOR COMPONENTS AND CLADDING.
- FIRE ALARM SYSTEM MUST BE SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
- STRUCTURAL DETAILS NOT INCLUDED IN THIS PLAN SET ARE TO BE CONSTRUCTED ACCORDING TO THE MANUFACTURERS STATE APPROVED BUILDING SYSTEM MANUAL.

WINDOW & DOOR SPECIFICATIONS 2006 IECC

- 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.

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 TIE DOWN SYSTEM.
- RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
- PORTABLE FIRE EXTINGUISHER(S).
- DRINKING FOUNTAIN OR BOTTLED WATER, BUILDING DRAINS, CLEANOUTS, SERVICE SINK AND HOOK-UP TO PLUMBING SYSTEM.
- ELECTRICAL SERVICE HOOK-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).
- EXIT DISCHARGE LIGHTING (INCLUDING EMERGENCY).
- WINDOW AND DOOR HIGH WIND STORM COVERINGS (PER CODE) SEE GENERAL NOTE 5.
- FIRE ALARM SYSTEM.
- DOMESTIC RANGE.
- DOMESTIC RANGE HOOD EXHAUST.

N.C. INSTALLATION INSTRUCTIONS

ATTENTION LOCAL INSPECTIONS DEPARTMENT

INSTALLATION INSTRUCTIONS FOR THIS MODULAR BUILDING ARE INCLUDED BY ATTACHMENT TO THESE PLANS. ANY PLANS SET WHICH DOES NOT CONTAIN AN ATTACHMENT ENTITLED "INSTALLATION INSTRUCTIONS" IS INCOMPLETE. REFER TO THE FOLLOWING SECTIONS OF THE PLAN SET AND INSTALLATION FOR IMPORTANT INFORMATION CONCERNING THE INSTALLATION OF THE MODULAR BUILDING.

- THE INTERCONNECTION BETWEEN BUILDING MODULES AT THE FLOOR AND ROOF SHALL BE SPECIFIED ON THE CROSS SECTION DRAWING ON THE PLAN SET.
- BUILDING TIE DOWN AND ANCHORAGE REQUIREMENTS ARE AS INDICATED ON FOUNDATION PLAN.
- ELECTRICAL INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES F1.2 AND F4.2 OF THE INSTALLATION INSTRUCTIONS (IF APPLICABLE).
- MECHANICAL INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES F1.0 AND F4.5 OF THE INSTALLATION INSTRUCTIONS (IF APPLICABLE).
- PLUMBING INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES F1.2 AND F4.5 OF THE INSTALLATION INSTRUCTIONS (IF APPLICABLE).
- FIRE BLOCKING SHALL BE PROVIDED PER SECTION 710.2 AND 1403.2.4 OF THE N.C. BUILDING CODE (AS APPLICABLE).
- AIR INFILTRATION AT MODULE MATE LINES SHALL BE LIMITED BY INSTALLING SILL TAPE ALONG THE MATE LINES DURING SET UP AND/OR BY INSTALLING CONTINUOUS SHEATHING ACROSS THE MATE JOINTS AFTER SET UP.

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(e).
- 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 THE SWITCH OR CIRCUIT BREAKER 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 MATE LINE(S) 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.
- EXTERIOR LIGHTS NOT INTENDED FOR 24 HOUR USE SHALL BE CONNECTED TO A PHOTOCELL OR TIMER.
- THE BUILDINGS FIRE ALARM SYSTEM (PROTECTIVE SIGNALING SYSTEMS, FIRE DETECTION SYSTEMS, ETC.) SHALL BE DESIGNED IN ACCORDANCE WITH NFPA 101 AND NFPA 72 AND SITE INSTALLED BY OTHERS SUBJECT TO LOCAL BUILDING OFFICIAL REVIEW AND APPROVAL. THE FIRE ALARM CONTROL PANEL MUST BE INSTALLED IN A HIGHLY VISIBLE LOCATION ACCEPTABLE TO THE LOCAL AUTHORITY HAVING JURISDICTION. (THE FACP CANNOT BE INSTALLED IN A CLOSET OR BATHROOM).

MECHANICAL NOTES:

- ALL SUPPLY AIR REGISTERS SHALL BE 10 INCHES x 10 INCHES ADJUSTABLE WITH 10 INCHES x 20 INCHES (INSIDE) OVERHEAD FIBERGLASS DUCT, UNLESS OTHERWISE SPECIFIED. DUCTS IN UNCONDITIONED SPACES SHALL HAVE R-5 MINIMUM INSULATION EXCEPT DUCTS EXPOSED TO VENTILATED ATTICS AND CRAWL SPACES SHALL HAVE R-6.5 INSULATION.
- INTERIOR DOORS SHALL BE UNDERCUT 1.5 INCHES ABOVE FINISHED FLOOR FOR AIR RETURN AND/OR AS NOTED ON FLOOR PLAN.
- HVAC EQUIPMENT SHALL BE EQUIPPED WITH OUTSIDE FRESH AIR INTAKES PROVIDING 7.5 CFM FOR EACH OCCUPANT.
- VENTILATION SYSTEM SHALL OPERATE CONTINUOUSLY WHEN BUILDING IS OCCUPIED.
- RESTROOM VENT FANS SHALL PROVIDE 75 CFM OR MORE EXHAUST PER WATER CLOSET OR URINAL.

ELECTRICAL SCHEDULE 'A'

CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	60A(2P)	#10 GRND.
8	WATER HEATER	20 A(1P)	12-2 NM
4	DED. CKT. 1.9KW 120V/1φ	20 A(1P)	12-2 NM
6	DED. CKT. 1.9KW 120V/1φ	20 A(1P)	12-2 NM
5, 7	DED. CKT. 6.5KW 220V/1φ	30 A(2P)	10-2 NM
2, 10, 11	RECEPTACLES/FAN	20 A	12-2 NM
9	LIGHTING/FANS	20 A	12-2 NM

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'A'	KVA
GENERAL LIGHTING		
.0030 KW/SF x 420 SF x 1.25=	1.6	
7 RECEPTS AT 180VA/1000=	1.3	
WATER HEATER 1.9 KW x 1.25=	2.4	
3 FAN(S) AT .3 KW x 1.25=	1.1	
HVAC	10.9	
(2) DED. CKT. 1.9 KW x 1.25=	4.8	
DED. CKT. 6.5 KW =	6.5	
TOTAL	28.3 KW	
TOTAL/240 V 1000=	123 AMPS	
INSTALL	200 AMP PANEL	
120/240 V 1φ		

ELECTRICAL SCHEDULE 'B'

CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
2	RECEPTACLES/FAN	20 A	12-2 NM
5	LIGHTING	20 A	12-2 NM

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'B'	KVA
GENERAL LIGHTING		
.0030 KW/SF x 420 SF x 1.25=	1.6	
7 RECEPTS AT 180VA/1000=	1.3	
WATER HEATER 1.9 KW x 1.25=	2.4	
1 FAN(S) AT .3 KW x 1.25=	1.1	
TOTAL	3.6 KW	
TOTAL/240 V 1000=	15 AMPS	
INSTALL	200 AMP PANEL	
120/240 V 1φ		

NOTICE

RADCO APPROVAL IS NOT VALID IN THOSE PORTIONS OF LISTED STATES WHERE SNOW LOADS DETERMINED FROM LOCAL METEOROLOGICAL DATA EXCEED THE LISTED LIVE LOAD.

STRUCTURAL LOAD LIMITATIONS

- FLOOR LIVE LOAD:
- 40 PSF
 - 1000 LB. CONCENTRATED LOAD OVER 30 INCH x 30 INCH AREA LOCATED ANYWHERE ON FLOOR
- ROOF LIVE LOAD:
- 20 PSF
- ROOF SNOW LOAD:
- Pg = 20 PSF
 - Pf = 20 PSF
 - Ce = 1.2
 - Is = 1.0
 - Ct = 1.1
- GROUND SNOW LOAD
- FLAT ROOF SNOW LOAD
- SNOW EXPOSURE FACTOR
- SNOW IMPORTANCE FACTOR
- SNOW THERMAL FACTOR

- WIND LOAD:
- 130 MPH
 - Is = 1.0
 - Ce = 1.2
 - Gcpi = 0.18
- WIND SPEED
- WIND IMPORTANCE FACTOR
- WIND EXPOSURE CATEGORY
- INTERNAL PRESSURE COEFFICIENT

THERMAL ZONE

THIS BUILDING COMPLIES W/OR EXCEEDS MIN. REQUIREMENTS FOR NORTH CAROLINA THERMAL ZONE 4c

CODE SUMMARY:

STATE	BUILDING	ELECTRICAL	MECHANICAL	PLUMBING	ACCESSIBILITY	ENERGY CODE
N. CAROLINA	NCBC 2009 2009 NCCFPC	2008 N.C. ELECT. CODE	2009 NCBC	2009 NCCP	CHAPTER 11 2009 NCBC ICC/ANSI A117.1-2003	NC ENERGY CODE 2009 ED.

PLUMBING NOTES:

- TOILETS SHALL BE ELONGATED 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.
- THIS UNIT MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.
- 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.
- THE USE OF THIS BUILDING WITHOUT THE REQUIRED WATER FOUNTAIN AND SERVICE SINK IS SUBJECT TO THE APPROVAL OF THE AUTHORITY HAVING JURISDICTION.

BUILDING DESIGN PARAMETERS

- USE/OCCUPANCY: EDUCATION
- CONSTRUCTION TYPE: VB
- SPRINKLER SYSTEM: NO
- BUILDING AREA: 840 SF.
- BUILDING HEIGHT: 15 FEET
- NUMBER OF STORIES: 1
- NUMBER OF MODULES: 2
- OCCUPANT LOAD 24 BASED ON 20 NET SF/PERSON
- EXTERIOR WALL FIRE RATING: NOT RATED

- THIS BUILDING MUST BE INSTALLED WITH THE FIRE SEPARATION DISTANCES REQUIRED BY IBC TABLE 602 AND SECTION 704.3.
- ENERGY CODE COMPLIANCE: SEE ATTACHED ENERGY CALCULATIONS.
- MANUFACTURERS DATA PLATE, STATE LABELS AND RADCO LABELS ARE TO BE LOCATED ADJACENT TO ELECTRICAL PANEL.

SYMBOLS

- ⊙ SMOKE DETECTOR
- ⊕ DUPLEX RECEPTACLE 120 V.
- ⊕ SINGLE RECEPTACLE 240 V.
- ⊕ INCANDESCENT LIGHT WITH 1-60 W. BULB
- ⊕ VENT FAN
- ⊕ COMB. VENT FAN & LIGHT
- ⊕ SUPPLY AIR REGISTER
- ⊕ RETURN AIR REGISTER
- ⊕ FLOOD LIGHT 2-150W BULBS
- ⊕ BOXES ONLY
- ⊕ FIRE ALARM PULL STATION
- ⊕ FIRE ALARM HORN/STROBE
- ⊕ FIRE ALARM STROBE LIGHT
- ⊕ THERMOSTAT
- ⊕ FLUORESCENT FIXTURE WITH 2-32W TUBES
- ⊕ EXIT SIGNS
- ⊕ JUNCTION BOX (NON POWERED UNLESS CIRCUIT NO. IS SHOWN)
- ⊕ TELEPHONE JACK
- ⊕ SWITCH & 3 WAY SWITCH
- ⊕ EMERGENCY LIGHT WITH BATTERY BACKUP

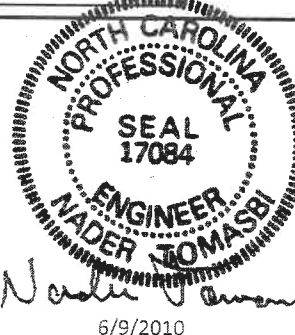
TABLE 3201

ELEMENT	AGES
	3 AND 4
WATER CLOSET	12 INCHES
	305 MM.
SEAT HEIGHT	11-12 INCHES
	280-302 MM
GRAB BAR	18-20 INCHES
	455-610 MM
TOILET T. DISP.	14 INCHES
	355 MM

TABLE 3202 REACH RANGE

FORWARD OR SIDE REACH	AGES
	3 AND 4
HIGH (MAXIMUM)	36 INCHES
	915 MM.
LOW (MINIMUM)	20 INCHES
	510 MM.

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



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 15 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR FOR FORWARD REACH OR SIDE REACH; CLOTHES ROOFS OR COAT HOOKS SHALL BE A MAXIMUM OF 48 INCHES ABOVE THE FLOOR (48 INCHES MAXIMUM WHEN DISTANCE FROM WHEEL CHAIR TO ROD 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 8 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 REQUIRED FORCE 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 RAMPS. 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. 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 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.

APPROVED
RADCO
Jun 10, 2010
P. WITHERINGTON
APPROVED

FIRST STRING SPACE

892 RAILROAD AVE. EAST
PEARSON, GEORGIA 31642 (912) 422-6455

DATE: 6-2-10	THIRD PARTY: RADCO	BY:
SCALE: AS NOTED	5456 CRENSHAW ST. TAMPA, FLORIDA 33634 813-243-0370	N.T.
CODES: SEE NOTES	REVISIONS:	
STATES: NC.		
REFERENCE: FSS 1089		
FSS1089 A/B 24 x 36 EDUCATION		SHEET
COVER SHEET	DESTINATION CALDWELL	1 OF 5