

**BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)**

NAME OF PROJECT	WESTPOINT 2	
ADDRESS	7810 NC HWY 751, DURHAM, NC 27713	
PROPOSED USE	B/A-2/S-2	
OWNER/AUTHORIZED AGENT	KERRY GRAY FINLEY	PHONE: (919) 493-8200 E-MAIL: kerry@finleydesignarch.com
OWNED BY	CITY:	COUNTY:
STATE:	PRIVATE: [X]	
CODE ENFORCEMENT JURISDICTION	CITY: DURHAM COUNTY: DURHAM STATE: NC	

LEAD PROFESSIONAL	DESIGNER	FIRM	NAME	LICENSE #	PHONE	E-MAIL
ARCHITECTURAL	FINLEY DESIGN	KERRY G FINLEY	9629	(919) 493-8200	kerry@finleydesignarch.com	
CIVIL	OPTIMA ENGINEERING	MICHAEL HOWELL		(919) 926-2231	mhowell@optimaengineering.com	
ELECTRICAL	OPTIMA ENGINEERING	CHRISTOPHER C. COOK		(919) 926-2220	ccook@optimaengineering.com	
FIRE ALARM	OPTIMA ENGINEERING	GARY KOSEY		(919) 926-2222	gkosey@optimaengineering.com	
Mechanical	OPTIMA ENGINEERING	CHRISTOPHER C. COOK		(919) 926-2220	ccook@optimaengineering.com	
SPRINKLER STANDPIPE	STEWART ENGINEERING	DIANE THOMPSON		(919) 866-4810	dthompson@stewartinc.com	
STRUCTURAL	STEWART ENGINEERING	DIANE THOMPSON		(919) 866-4810	dthompson@stewartinc.com	
RETAINING WALLS >5' HIGH	STEWART ENGINEERING	DIANE THOMPSON		(919) 866-4810	dthompson@stewartinc.com	
RETAINING WALLS <5' HIGH	STEWART ENGINEERING	DIANE THOMPSON		(919) 866-4810	dthompson@stewartinc.com	
OTHER						

2012 EDITION OF NC CODE FOR:	NEW CONSTRUCTION: [X]	ADDITION:	REPAIR:	UPFIT:
EXISTING	RECONSTRUCTION:	ALTERATION:	REPAIR:	RENOVATION:
CONSTRUCTED	DATE:	ORIGINAL USE(S) (Ch. 3):		
RENOVATED	DATE:	ORIGINAL USE(S) (Ch. 3):		
PROPOSED USE(S) (Ch. 3)	B/A-2/S-2			

BASIC BUILDING DATA

CONSTRUCTION TYPE	I-A:	II-A:	III-A:	IV:	V-A:	I-B:	II-B:	III-B:	V-B:
SPRINKLERS	NO:	PARTIAL: YES: [X]	NFPA 13: [X]	NFPA 13R:	NFPA 13D:	NO:	YES: [X]	CLASS: I:	II:
STANDPIPES	NO:	YES: [X]	CLASS: I:	II:	III:	WET: [X]	DRY:		
FIRE DISTRICT	NO: [X]	YES (PRIMARY):	FLOOR HAZARD AREA:						
BUILDING HEIGHT (FEET)	74'-9"								

GROSS BUILDING AREA

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB TOTAL
4TH FLOOR B USE	0	20789	20789
3RD FLOOR B USE	0	20789	20789
2ND FLOOR B USE	0	20789	20789
MEZZANINE	0	0	0
1ST FLOOR B/A-2/S-2 USES	0	20789	20789
GROUND FLOOR B/S-2 USES	0	24888	24888
TOTAL	108044		

NET BUILDING AREA (PER ZONING / SITE PLAN)

FLOOR	EXISTING (SQ FT)	NEW OFFICE SF	NEW RESTAURANT SF	SUB TOTAL
4TH FLOOR B USE	0	19171		19171
3RD FLOOR B USE	0	19669		19669
2ND FLOOR B USE	0	19171		19171
MEZZANINE	0	0	0	0
1ST FLOOR B/A-2/S-2 USES	0	715	3432	4147
GROUND FLOOR B/S-2 USES	0	288		288
TOTAL	62446			

ALLOWABLE AREA

X ASSEMBLY	A-1:	A-2: [X]	A-3:	A-4:	A-5:
X BUSINESS (PRIMARY OCCUPANCY)					
EDUCATIONAL					
FACTORY	F-1 MODERATE:	F-2 LOW:			
HAZARDOUS	H-1 DETONATE:	H-2 DEFLATEGRATE:	H-3 COMBUST:	H-4 HEALTH:	H-5 HPM:
INSTITUTIONAL	I-1:	I-2:	I-3:	I-4:	
I-3 CONDITION	1:	2:	3:	4:	5:
MERCANTILE					
RESIDENTIAL	R-1:	R-2:	R-3:	R-4:	
X STORAGE	S-1 MODERATE:	S-2 LOW: [X]	HIGH-FILED:		
PARKING GARAGE	OPEN:	ENCLOSED:	REPAIR GARAGE:		
UTILITY AND MISCELLANEOUS					

ACCESSORY OCCUPANCIES:

ASSEMBLY	A-1:	A-2:	A-3:	A-4:	A-5:
BUSINESS					
EDUCATIONAL					
FACTORY	F-1 MODERATE:	F-2 LOW:			
HAZARDOUS	H-1 DETONATE:	H-2 DEFLATEGRATE:	H-3 COMBUST:	H-4 HEALTH:	H-5 HPM:
INSTITUTIONAL	I-1:	I-2:	I-3:	I-4:	
I-3 CONDITION	1:	2:	3:	4:	5:
MERCANTILE					
RESIDENTIAL	R-1:	R-2:	R-3:	R-4:	
STORAGE	S-1 MODERATE:	S-2 LOW:	HIGH-FILED:		
PARKING GARAGE	OPEN:	ENCLOSED:	REPAIR GARAGE:		
UTILITY AND MISCELLANEOUS					

INCIDENTAL USES (TABLE 508.3)

FURNACE ROOM WHERE MY PIECE OF EQUIPMENT IS OVER 400.00 BHP INPUT	
ROOMS WITH BOILERS WHERE HE LARGEST PIECE OF EQUIPMENT IS OVER 150.00 TO HORSEPOWER	
REFRIGERANT MACHINE ROOM	
HYDROGEN CUTOFF ROOMS, NOT CLASSIFIED S GROUP "H"	
INCINERATOR ROOMS	
PAINT SHOPS, NOT CLASSIFIED AS GROUP "H", LOCATED IN OCCUPANCY OTHER THAN GROUP "F"	
LABORATORIES AND VOCATIONAL SHOPS, NOT CLASSIFIED AS GROUP "F" OR "I-2" OCCUPANCY	
LAUNDRY ROOMS OVER 100 SQUARE FEET	
GROUP "I-3" CELLS EQUIPPED WITH PADDED SURFACES	
WASTE AND LINEN COLLECTION ROOMS	
WASTE AND LINEN COLLECTION ROOMS OVER 100 SQUARE FEET	
STATIONARY STORAGE BATTERIES HAVING LIQUID ELECTROLYTE CAPACITY OF MORE THAN 50 GALLONS, OR A LITHIUM-ION CAPACITY OF 1,000 POUNDS OR FACILITY STANDING POWER, EMERGENCY POWER OR UNINTERRUPTED POWER SUPPLIES	
ROOMS CONTAINING FIRE PUMPS	
GROUP "I-2" STORAGE ROOMS OVER 600 SQUARE FEET	
GROUP "I-2" COMMERCIAL KITCHENS	
GROUP "I-2" LAUNDRY EQUIPMENT OVER 100 SQUARE FEET	
GROUP "I-2" ROOMS OR SPACES THAT CONTAIN FUEL-FIRED HEATING EQUIPMENT	

SPECIAL USES

406	403	407	406	407	408	409	410	411	412	413	414	415	416	417	418
411	420	421	423	424	425	426	427	SPECIAL PROVISION							
509.2	509.3	509.4	509.5	509.6	509.7	509.8	509.9	MIXED OCCUPANCY							
INCIDENTAL USE SEPARATION (508.2.5)								NO: YES: [X]							
THIS SEPARATION IS NOT EXEMPT S A NON-SEPARATED USE (SEE EXCEPTIONS).															
X NON-SEPARATED USE (508.3) *FLOORS 2, 3, & 4															
THE REQUIRED TYPE OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT AND AREA LIMITATIONS FOR EACH OF THE APPLICABLE OCCUPANCIES TO THE ENTIRE BUILDING. THE MOST RESTRICTIVE TYPE OF CONSTRUCTION, SO DETERMINES, SHALL APPLY TO THE ENTIRE BUILDING.															
X SEPARATED USE (508.4) *FLOORS BASEMENT & 1															
FOR EACH STORY, THE AREA OF THE OCCUPANCY SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL FLOOR AREA OF EACH USE DIVIDED BY THE ALLOWABLE FLOOR AREA FOR EACH USE SHALL NOT EXCEED 1.															

BASEMENT	ACTUAL AREA OF OCC. "A"	ALLOWABLE AREA OF OCC. "A"	ACTUAL AREA OF OCC. "B"	ALLOWABLE AREA OF OCC. "B"	ACTUAL AREA OF OCC. "C"	ALLOWABLE AREA OF OCC. "C"	=	<=
S-2			B		A-2			
25591	+	1154	+	0				0.264932
97500		258750		18525				

FIRST FLOOR	ACTUAL AREA OF OCC. "A"	ALLOWABLE AREA OF OCC. "A"	ACTUAL AREA OF OCC. "B"	ALLOWABLE AREA OF OCC. "B"	ACTUAL AREA OF OCC. "C"	ALLOWABLE AREA OF OCC. "C"	=	<=
S-2			B		A-2			
21514	+	1278	+	3601				0.419982
97500		258750		18525				

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503.5 AREA	(C) AREA FOR FRONTAGE INCREASE	(D) AREA FOR SPRINKLER INCREASE	(E) ALLOWABLE AREA OF UNLIMITED	(F) MAXIMUM BUILDING AREA
BASEMENT	S-2	24,888	24,000	19,500	5,200	N/A	97,500
BASEMENT	B	1,382	23,000	17,250	4,600	N/A	86,250
1	S-2	15,849	26,000	19,500	5,200	N/A	97,500
1	A-2	3,510	9,500	7,125	1,900	N/A	18,525
1	B	1,782	23,000	17,250	4,600	N/A	97,500
2	B	20,789	23,000	17,250	4,600	N/A	86,250
3	B	20,789	23,000	17,250	4,600	N/A	86,250
4	B	20,789	23,000	17,250	4,600	N/A	86,250

- FRONTAGE AREA INCREASE FROM SECTION 506.2 ARE COMPUTED THUS:
A. PERIMETER WHICH FRONT A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = 200' (F)
B. TOTAL BUILDING PERIMETER = 487' (P)
C. RATIO (F/P) = 25'/85.8' (F/P)
D. W = MINIMUM WIDTH OF PUBLIC WAY = .30 * (W)
E. PERCENT OF FRONTAGE INCREASE H = 100(F/P - .25) X W/30 = .75 (%)
- THE SPRINKLER INCREASE PER SECTION 506.3 IS AS FOLLOWS:
A. MULTI-STORY BUILDING Is = 200%
B. SINGLE STORY BUILDING Is = 300%
- UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507.
- MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORIES IN THE BUILDING X E (506.4)
- THE MAXIMUM AREA OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.3.5. THE MAXIMUM AREA OF TRAFFIC CONTROL TOWERS MUST COMPLY WITH TABLE 412.1.2.

ALLOWABLE HEIGHT	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN IN PLAN	CODE REFERENCE
TYPE OF CONSTRUCTION	TYPE II-B		TYPE II-B	
BUILDING HEIGHT IN FEET	55'-0"	FEET = H + 20' = 75'	74'-9"	
BUILDING HEIGHT IN STORIES	3	STORIES + 1 = 4		

BUILDING ELEMENT	FIRE SEPARATION DISTANCE	RATING	PROVIDED (W/ REDUCTION)	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
STRUCTURAL FRAME, INCLUDING COLUMN, GIRDERS, TRUSSES *NOTE - COLUMN MUST EXIST IN THE PARKING LEVELS ONLY	1 HR	1 HR	3/A0.2	Y413		
BEARING WALLS	0 HR	0 HR				
EXTERIOR	0 HR	0 HR				
NORTH	30+	0 HR				
EAST	30+	0 HR				
WEST	30+	0 HR				
SOUTH	30+	0 HR				
INTERIOR	0 HR	0 HR				
NON-BEARING WALLS AND PARTITIONS	0 HR	0 HR				
EXTERIOR	0 HR	0 HR				
NORTH	30+	0 HR				
EAST	30+	0 HR				
WEST	30+	0 HR				
SOUTH	30+	0 HR				
INTERIOR	0 HR	0 HR				
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	0 HR	0 HR				
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	0 HR	0 HR				
SHAFT ENCLOSURE - EXIT	2 HR	2 HR	1/A0.2	UL 905		
SHAFT ENCLOSURE - OTHER	1HR & 2HR	1HR & 2HR	1/A0.3	UL 415		
CEILING/ROOF ASSEMBLY	N/A	N/A				
CORRIDOR SEPARATION	N/A	N/A				
CEILING/FLOOR ASSEMBLY ABOVE PARKING	1 HR	1 HR	3/A0.3	N430		
CEILING/FLOOR ASSEMBLY BETWEEN PARKING	1 HR	1 HR	2/A0.3	D918		
PARTY/FIRE WALL SEPARATION	N/A	N/A				
SMOKE BARRIER SEPARATION	N/A	N/A				
OCCUPANCY SEPARATION	1 HR	1HR	2/A0.2	U419		
INCIDENTAL USE SEPARATION	N/A	N/A				
FIRE AREA SEPARATION	N/A	N/A				
* INDICATES SECTION NUMBER PERMITTING REDUCTION						

EMERGENCY LIGHTING	NO:	YES:
EXIT SIGNS	NO:	YES: [X]
FIRE ALARM	NO:	YES: [X]
SMOKE DETECTION SYSTEMS	NO:	YES: [X] PARTIAL:
PANIC HARDWARE	NO:	YES: [X]

LIFE SAFETY PLAN REQUIREMENTS	
X	LIFE SAFETY PLAN SHEET #; LST.0, LST.1, LST.2, LST.3, LST.4
X	FIRE AND/OR SMOKE RATED WALL LOCATIONS (CHAPTER 7)
X	ASSUMED AND REAL PROPERTY LINE LOCATIONS
X	EXTERIOR WALL OPENING AREA WITH RESPECT TO DISTANCE TO ASSUMED PROPERTY LINES (705.8)
X	EXISTING STRUCTURES WITHIN 30' OF THE PROPOSED BUILDING
X	OCCUPANCY TYPES FOR EACH AREA AS IT RELATES TO OCCUPANT LOAD CALCULATION (TABLE 1004.1.1)
X	OCCUPANT LOADS FOR EACH AREA
X	EXIT ACCESS TRAVEL DISTANCES (1016)
X	COMMON PATH OF TRAVEL DISTANCES (1014.3 & 1028.8)
X	DEAD END LENGTHS (1018.4)
X	CLEAR EXIT WIDTHS FOR EACH EXIT DOOR
X	MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT DOOR CAN ACCOMMODATE BASED ON EGRESS WIDTH (1005.1)
X	ACTUAL OCCUPANT LOAD FOR EACH EXIT DOOR
X	A SEPARATE SCHEMATIC PLAN INDICATING WHERE FIRE RATED FLOOR/CEILING AND/OR ROOF STRUCTURE OF PROVIDED FOR PURPOSES OF OCCUPANT SEPARATION
X	LOCATION OF DOORS WITH PANIC HARDWARE (1008.1.10)
X	LOCATION OF DOORS WITH DELAYED EGRESS LOCKS AND THE AMOUNT OF DELAY (1008.1.9.7)
X	LOCATION OF DOORS WITH ELECTROMAGNETIC EGRESS LOCKS (1008.1.9.8)
X	LOCATION OF DOORS EQUIPPED WITH HOLD-OPEN DEVICES
X	LOCATION OF EMERGENCY ESCAPE WINDOWS (1029)
X	THE SQUARE FOOTAGE OF EACH FIRE AREA (902)
X	THE SQUARE FOOTAGE OF EACH SMOKE COMPARTMENT (407.4)
	NOTE ANY CODE EXCEPTIONS OF ABLE NOTES THAT MAY HAVE BEEN UTILIZED REGARDING THE ITEMS ABOVE

ACCESSIBLE DWELLING UNITS							
TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
			N/A				

USE	WATERCLOSERS		URINALS	LAVATORIES		SHOWERS/TUBS	DRINKING FOUNTAINS	
	MALE	FEMALE		MALE	FEMALE		REGULAR	ACCESSIBLE
EXISTING	0	0	0	0	0	0	0	0
REQUIRED	7	2	5	5	0	3	3	
PROPOSED	7	2	5	5	0	3	3	

*NOTE - SEPARATE CALCULATIONS FOR OTHER TENANT SPACES WILL BE PROVIDED AT TIME OF TENANT FIT-UP

- *NOTE - SEE ATTACHED DRAWINGS FOR CODE INFORMATION FOR THE FOLLOWING AREAS
- STRUCTURAL DESIGN
 - ENERGY SUMMARY
 - MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
 - ELECTRICAL SUMMARY
 - ELECTRICAL SYSTEMS AND EQUIPMENT

**COMcheck Software Version COMcheckWeb
Envelope Compliance Certificate**

Project Information	Energy Code: 90.1 (2007) Standard
Project Title:	Westpoint 2
Location:	Aberdeen, North Carolina
Climate Zone:	3a
Project Type:	New Construction
Vertical Glazing / Wall Area:	51%

Construction Site: _____ Owner/Agent: _____ Designer/Contractor: _____

Building Area	Floor Area
1-Office : Nonresidential	