Response Modification Factor, R =	Floors slab on grade (each assembly):	
Analysis Procedure Used = KIPS KIPS	Description of assembly	
Seismic Base Shear, Sy Soil Data KIPS	U-Value of total assembly R-Value of insulation	Shell Variable Form Required for all Shell, Alteration to Shell and Interior Completion Permits
Presumptive Soil Bearing Pressure = PSF	Horizontal/Vertical requirement	Check each applicable line to match scope of work. Edit as necessary to provide clear detail of installation.
Bearing Pressure per Soils Report Deep Foundation Type PSF	Slab heated	Reproduce on Cover Sheet
Deep Foundation Allowable Loads Uplift TONS, downward KIPS		Mechanical
Lateral KIPS	ELECTRICAL SUMMARY – SEE ELECTRICAL	No workEquipment setwithwithout power
	ELECTRICAL SYSTEM AND EQUIPMENT THIS SECTION REQUIRED FOR ALL PROJECTS THAT INCLUDE ELECTRICAL DESIGN	Trunk line installedwithwithout outletsGas Line
		Install complete operational system
	Method of Compliance: Prescriptive Performance Energy Cost Budget	Other
ACCESSIBLE PARKING - NA		Plumbing
	Lighting Schedule: Lamp type required in fixture	No workInstall water service and sewer
PARKING TOTAL # OF PARKING SPACES # OF ACCESSIBLE SPACES PROVIDED TOTAL # REQUIRED PROVIDED REGULAR WITH 5' VAN SPACES WITH 8' ACCESSIBLE ACCESS AISLE ACCESS AISLE PROVIDED	Number of lamps in fixture Ballast type used in the fixture	Install building drainandor water distribution mainwithwithout branchesInstall complete plumbing system
ACCESS AISLE ACCESS AISLE TROTTED	Number of ballasts in fixture	Other
	Total wattage per fixture Total interior wattage specified vs. allowed	Sprinkler
	Total exterior wattage specified vs. allowed	Install complete sprinkler system
L	Equipment schedules with motors (not used for mechanical systems):	BuildingInstall slabpartialcomplete
	Motor horsepower Number of phases	Install demising wallsInstall interior partitioningpartialcomplete
	Minimum efficiency	Install CeilingsWhite box (additional interior completion permits are required for Certificate of Occupancy and power)
SPECIAL APPROVALS	Motor type No. of poles	Otherwhite box (additional interior completion permits are required for Certificate of Occupancy and power)
cribe special approvals from local jurisdictions, County or State Department of Health, NC Department of		
Insurance, International Code Council, etc.)	Exceptions:	ElectricalHouse panel
		Service laterals to meter centers/panels located on buildingsDemise wall and ceilings only
		Conduit, duct, raceway in slab Power and lighting circuits to "J" Box
		Install light fixturesInstallHeat/Ac ElevatorGeneratorParking lot lighting
		InstallHeat/Ac ElevatorGeneratorParking lot lightingInstall complete system
		Other
		Please provide full information on any alternate methods and means incorporated into the design of
		this project. Provide specific details and incorporate into plan submittal any supporting documents
		or agreement letters.
		or agreement letters.
ed 06.17.16 Building Code Summary Page 9 of 14	revised 06.17.16 Building Code Summary Page 11 of 14	revised 06.17.16 Building Code Summary Page 13 of 14
d 06.17.16 Building Code Summary Page 9 of 14	revised 06.17.16 Building Code Summary Page 11 of 14	
ENERGY SUMMARY – SEE ATTACHED COMCHECK	revised 06.17.16 Building Code Summary Page 11 of 14 MECHANICAL SUMMARY – SEE MECHANICAL	
	MECHANICAL SUMMARY – SEE MECHANICAL MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT	
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Owner/Agent:

Designer/Contractor:

Section 1: Project Information

Energy Code: **2012 North Carolina Energy Conservation Code**Project Title:
Project Type: New Construction

Project Type: New Construct Construction Site:

Building Location (for weather data):

Climate Zone:

Vertical Glazing / Wall Area Pct.:

Skylight Glazing / Roof Area Pct.:

2%

Building Use: Area Type
1-Warehouse: Nonresidential

Section 2: Envelope Assemblies and Requirements Checklist

nvelope PASSES: Design 2% better than coo

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a
Roof 1: Metal Building, Standing Seam, [Bldg. Use 1 - Warehouse]	10083	19.0	11.0	0.038	0.037
Skylight 1: Metal Frame with Thermal Break:Plastic, No Curb, Perf. Specs.: Product ID NA, SHGC 0.25, [Bldg. Use 1 - Warehouse] (b)	168			0.800	0.600
FRONT: Steel-Framed, 16" o.c., [Bldg. Use 1 - Warehouse]	2417	0.0	19.0	0.046	0.064
Window 1: Metal Frame with Thermal Break, Perf. Specs.: Product ID NA, SHGC 0.25, [Bldg. Use 1 - Warehouse] (b)	470	-		0.450	0.450
Door 1: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID NA, SHGC 0.25, [Bldg. Use 1 - Warehouse] (b)	42			0.450	0.770
RIGHT - OFFICE: Steel-Framed, 16" o.c., [Bldg. Use 1 - Warehouse]	551	0.0	19.0	0.046	0.064
Door 2: Insulated Metal, Non-Swinging, [Bldg. Use 1 - Warehouse]	108			0.200	0.500
RIGHT - WAREHOUSE: Metal Building Wall, Single Layer Mineral Fiber, [Bldg. Use 1 - Warehouse]	1660	0.0	19.0	0.050	0.060
Door 3: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse]	21			0.200	0.500
REAR - WAREHOUSE: Metal Building Wall, Single Layer Mineral Fiber, [Bldg. Use 1 - Warehouse]	2417	0.0	19.0	0.050	0.060
Door 6: Insulated Metal, Non-Swinging, [Bldg. Use 1 - Warehouse]	360			0.200	0.500
LEFT - WAREHOUSE: Metal Building Wall, Single Layer Mineral Fiber, [Bldg. Use 1 - Warehouse]	1660	0.0	19.0	0.050	0.060
LEFT - OFFICE: Steel-Framed, 16" o.c., [Bldg. Use 1 - Warehouse]	551	0.0	19.0	0.046	0.064
Door 4: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse]	21			0.200	0.500
Door 5: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse]	21			0.200	0.500
INTERIOR: Steel-Framed, 16" o.c., [Bldg. Use 1 - Warehouse]	2417	19.0	0.0	0.109	0.064
Window 2: Metal Frame with Thermal Break, Perf. Specs.: Product ID NA, SHGC 0.25, [Bldg. Use 1 - Warehouse] (b)	60			0.450	0.450
Door 7: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse]	21			0.200	0.500
Door 8: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse]	21			0.200	0.500
Door 9: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse]	21			0.200	0.500
Door 10: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse]	21			0.200	0.500

roject Title: Data filename: C:\Users\Laura\Desktop\Carolina Diesel Truck\Digital Med	ia\Carolina[Diesel_Como	check.cck		Pag
FRONT - CAVITY INSULATION: Steel-Framed, 16" o.c., [Bidg. Use 1 - Warehouse]	802	13.0	0.0	0.124	0.064
RIGHT - OFFICE - CAVITY INSULATION: Steel-Framed, 16" o.c., [Bldg. Use 1 - Warehouse]	198	13.0	0.0	0.124	0.064
LEFT - OFFICE - CAVITY INSULATION: Steel-Framed, 16" o.c., [Bldg. Use 1 - Warehouse]	198	13.0	0.0	0.124	0.064
Floor 1: Slab-On-Grade:Unheated, [Bldg. Use 1 - Warehouse]	400				

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

Air Leakage, Component Certification, and Vapor Retarder Requirements:

- 1. All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
- 2. Windows, doors, and skylights certified as meeting leakage requirements.
 3. Component R-values & U-factors labeled as certified.
 4. No roof insulation is installed on a suspended ceiling with removable ceiling panels.
- 5. 'Other' components have supporting documentation for proposed U-Factors.
 6. Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.
- 7. Shaft vents serving stairs and elevators integral to the building envelope are equipped with motorized dampers.

 Exceptions:
- Exceptions:

 Buildings without fire alarm system.
- Stairway vents open to the exterior.
- 8. Cargo doors and loading dock doors are weather sealed.
 9. Recessed lighting fixtures installed in the building envelope are Type IC rated as meeting ASTM E283, are sealed with gasket or caulk.
- ☐ 10.Building entrance doors have a vestibule equipped with self-closing devices.

 Exceptions:
- ☐ Building entrances with revolving doors.
 ☐ Doors not intended to be used as a buildir
- Doors not intended to be used as a building entrance.Doors that open directly from a space less than 3000 sq. ft. in area.
- Doors used primarily to facilitate vehicular movement or materials handling and adjacent personnel doors.Doors opening directly from a sleeping/dwelling unit.
- ☐ Buildings less than four stories above grade and less than 10,000 ft2 in area.
- Additional Efficiency Package Requirements:

 1. The high efficiency HVAC option has been selected as the additional efficiency package required by this energy code. Systems that do not meet the performance requirement will be identified in the mechanical requirements checklist report.

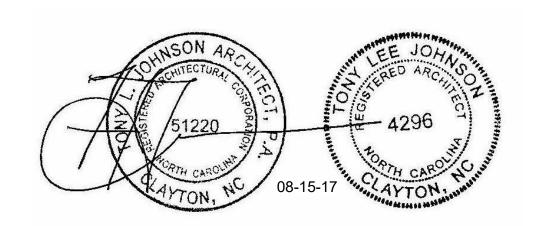
Section 3: Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2012 North Carolina Energy Conservation Code requirements in COMcheck Version 4.0.4.1 and to comply with the mandatory requirements in the Requirements Checklist.

#	TONY JOHNSON AF
Name - Title	Signature

Project Title:
Data filename: C:\Users\Laura\Desktop\Carolina Diesel Truck\Digital Media\CarolinaDiesel_Comcheck.cck





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CAROLINA DIESEL TRUCKS

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08.15.17

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