PRELIMINARY REPORT (Part 1 of 3)

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011
Project Address	Enforcement Agency Use
	Building Permit #
	Checked by/Date

GENERAL INFORMATION

Date of Plans	Building Conditioned Floor Area	Climate Zone
	2,001	6

BUILDING TYPE	☒	NONRESIDENTIAL	☐	HIGH RISE RESIDENTIAL	☐	HOTEL/MOTEL GUEST
PHASE OF CONSTRUCTION	☒	NEW CONSTRUCTION	☐	ADDITION	☐	ALTERATION

STATEMENT OF COMPLIANCE

This Certificate of Compliance lists the building features and performance specifications needed to comply with Title 24, Parts 1 and 6 of the State Building Code. This certificate applies only to a building using the performance compliance approach.

Documentation Author	Signature	Date	Telephone

The Principal Designers hereby certify that the proposed building design represented in the construction documents and modeled for this permit application are consistent with all other forms and worksheets, specifications, and other calculations submitted with this permit application. The proposed building as designed meets the energy efficiency requirements of the State Building Code. Title 24, Part 6.

ENV.	LTG.	MECH.	
☐	☐	☐	1. I hearby affirm that I am eligible under the provisions of Division 3 of theBusiness and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, mechanical engineer (envelope & mechanical only), or electrical engineer (lighting only) or I am a licensed architect.
☐	☐	☐	2. I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code Section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.
☐	☐	☐	3. I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538, and 6737.1. (These sections of the Business and Professions Code are printed in full in the Nonresidential Manual.)

ENVELOPE COMPLIANCE

Indicate location on plans of Note Block for Mandatory Measures:

Required Forms: ENV-1C, ENV-3C			Telephone
Principle Designer Name	Signature	Lic. No.	Date

LIGHTING COMPLIANCE

Indicate location on plans of Note Block for Mandatory Measures:

Required Forms: LTG-1C, LTG-2C			Telephone
Principle Designer Name	Signature	Lic. No.	Date

MECHANICAL COMPLIANCE

Indicate location on plans of Note Block for Mandatory Measures:

Required Forms: MECH-1C, MECH-2C, MECH-3C, MECH-5C			Telephone
Principle Designer Name	Signature	Lic. No.	Date

PRELIMINARY REPORT (Part 2 of 3)

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011

ANNUAL TDV ENERGY USE SUMMARY (TDV-kBtu/sqft-yr)

ENERGY COMPONENT	Standard Design	Proposed Design	Compliance Margin
Space Heating	6.25	21.87	-15.62
Space Cooling	65.07	45.78	19.28
Indoor Fans	46.98	78.80	-31.82
Heat Rejection	0.00	0.00	0.00
Pumps	0.00	0.00	0.00
Domestic Hot Water	13.06	13.03	0.03
Lighting	134.47	141.74	-7.26
Receptacle	67.59	67.59	0.00
Process	0.00	0.00	0.00
Exterior Usage	0.00	0.00	0.00
TOTALS:	333.41	368.80	-35.40

BUILDING DOES NOT COMPLY

GENERAL INFORMATION

Building Orientation	North	Conditioned Floor Area	2,001
Number of Stories	2	Unconditioned Floor Area	0
Number of Systems	3		

	Conditioned	Unconditioned	Plenum
Number of Zones	9	12	0

	Orientation	Gross Area		Glazing Area		Glazing Ratio
Front Elevation	North	580	sqft	174	sqft	0.299
Left Elevation	East	0	sqft	0	sqft	0.000
Rear Elevation	South	317	sqft	311	sqft	0.982
Right Elevation	West	663	sqft	649	sqft	0.978
Total		1,560	sqft	1,133	sqft	0.726
Roof		419	sqft	0	sqft	0.000

PRELIMINARY REPORT (Part 3 of 3)

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011

CONDITIONED SPACE INFORMATION

Space Name	Occupancy Type	Floor Area (sq. ft.)	Installed Lighting Power (W/sf)[2]	Lighting Controls Modeled (yes/no)[2]	General Tailored Lighting (W/sf)[3]	Additional Tailored Allowance (W/sf)[3,4]	Tailored Ventilation (cfm/sf)[5]	Process Loads (W/sf)[5]
1st-Sales Display-101 (1)	Retail Mer... Showroom	532	1.44	No	0.00	0.00	0.00	0.00
1st-Hall-104	Corridors, ...port Areas	94	0.91	No	0.00	0.00	0.00	0.00
1st-Restrooms-104 & 105	Corridors, ...port Areas	128	0.94	No	0.00	0.00	0.00	0.00
1st-Jan-108	Commercial...ditioned)	33	0.91	No	0.00	0.00	0.00	0.00
1st-Comp-103	Electrical...hone Room	37	2.27	No	0.00	0.00	0.00	0.00
1st-Office-102	Office (250...ea or less)	126	1.34	No	0.00	0.00	0.00	0.00
1st-Sales Display-101 (2)	Retail Mer... Showroom	631	1.83	No	0.00	0.00	0.00	0.00
2nd-Stor 1-201	Commercial...ditioned)	281	0.43	No	0.00	0.00	0.00	0.00
2nd-Stor 2-202	Commercial...ditioned)	138	0.43	No	0.00	0.00	0.00	0.00

Notes: 1.Only spaces that are both occupied and conditioned are listed here. See Special Features section for all other spaces.
2.See LTG-1C Form.
3.Provide Tailored Lighting forms & lighting plans that demark areas with Tailored Lighting allowances.
4.Additional Tailored Allowance may only be used if additional lighting is actually installed. Provide lighting plans.
5.Provide supporting documentation.

SPECIAL FEATURES COMPLIANCE CHECKLIST

The local enforcement agency should pay special attention to this checklist. These items require special written justification and documentation, and special verification to be used with the performance approach. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

COMMENTS	PLAN	FIELD
Proposed Window-Wall-Ratio: 0.726459		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (1)', Fenestration = 'Window - W1', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (1)', Fenestration = 'Window - W2', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (1)', Fenestration = 'Window - W3', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (1)', Fenestration = 'Window - W4', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (1)', Fenestration = 'Window - W5', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (1)', Fenestration = 'Window - W6', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (1)', Fenestration = 'Window - W7', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (1)', Fenestration = 'Window - W8', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (1)', Fenestration = 'Window - W9a', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (1)', Fenestration = 'Window - N1', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (1)', Fenestration = 'Window - N2', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (1)', Fenestration = 'Window -N3', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (1)', Fenestration = 'Window N - Abv Door', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (2)', Fenestration = 'Window - S1', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (2)', Fenestration = 'Window - S2', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (2)', Fenestration = 'Window - S3', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (2)', Fenestration = 'Window - S4', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (2)', Fenestration = 'Window - S5', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (2)', Fenestration = 'Window - S6', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (2)', Fenestration = 'Window - S7', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (2)', Fenestration = 'Window S - Abv Door', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (2)', Fenestration = 'Window - W9b', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (2)', Fenestration = 'Window - W10', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (2)', Fenestration = 'Window - W11', SHGC = 0.348		

The Special Features listed in this performance approach application have specifically been reviewed. Adequate written justification and documentation for their use have been provided by the applicant.

Authorized Signature or Stamp _____

Run Initiation Time: 30-Sep-2011 @ 02:01:51 PM **Review Copy**

PRELIMINARY REPORT (Part 3 of 3)

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011

SPECIAL FEATURES COMPLIANCE CHECKLIST

The local enforcement agency should pay special attention to this checklist. These items require special written justification and documentation, and special verification to be used with the performance approach. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

COMMENTS	PLAN	FIELD
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (2)', Fenestration = 'Window - W12', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (2)', Fenestration = 'Window - W13', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (2)', Fenestration = 'Window - W14', SHGC = 0.348		
Fenestration SHGC < 0.40: Space = '1st-Sales Display-101 (2)', Fenestration = 'Window -W17', SHGC = 0.348		
Econo Installed, Capacity < 75 kBtuh: System = 'HP-1', Clg Cap = 58500 Btuh		
Econo Installed, Capacity < 75 kBtuh: System = 'HP-2', Clg Cap = 58500 Btuh		
Econo Installed, Capacity < 75 kBtuh: System = 'HP-3', Clg Cap = 58500 Btuh		
Proposed Air Economizers:		
System 'HP-1': Temperature Econo, 70 Max Temp, no Enthalpy Limit		
System 'HP-2': Temperature Econo, 70 Max Temp, no Enthalpy Limit		
System 'HP-3': Temperature Econo, 70 Max Temp, no Enthalpy Limit		

The Special Features listed in this performance approach application have specifically been reviewed. Adequate written justification and documentation for their use have been provided by the applicant.

Authorized Signature or Stamp _____

Preliminary Envelope Report Not For Submittal (1 of 2)

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011

OPAQUE SURFACES

#	Surface Type	Appendix JA4 Reference	Area	U-Factor	Az.	Tilt	Status	Location (Space)
1	Above Grade Wall	4.3.3-A2	10	0.224	270°	90°	NEW	1st-Sales Display-101 (1)
2	Above Grade Wall	4.3.3-A2	0	0.224	0°	90°	NEW	1st-Sales Display-101 (1)
3	Above Grade Wall	4.3.3-A2	126	0.224	0°	90°	NEW	1st-Hall-104
4	Above Grade Wall	4.3.3-A2	6	0.224	180°	90°	NEW	1st-Sales Display-101 (2)
5	Above Grade Wall	4.3.3-A2	4	0.224	270°	90°	NEW	1st-Sales Display-101 (2)
6	Roof	4.2.5-A27, R5.0 Rigid	281	0.070	180°	0°	NEW	2nd-Stor 1-201
7	Above Grade Wall	4.3.3-A2	281	0.224	0°	90°	NEW	2nd-Stor 2-202
8	Roof	4.2.5-A27, R5.0 Rigid	138	0.070	270°	0°	NEW	2nd-Stor 2-202

VERTICAL FENESTRATION SURFACES WITH NFRC U-FACTORS

#	Fenestration Type	Area (ft^2)	U-Factor	Azimuth	SHGC	Glazing Type	Location (Space)
1	Fld Assy Oprbl, Mtl	43	1.359	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (1)
2	Fld Assy Oprbl, Mtl	43	1.359	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (1)
3	Fld Assy Oprbl, Mtl	43	1.359	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (1)
4	Fld Assy Oprbl, Mtl	43	1.359	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (1)
5	Fld Assy Oprbl, Mtl	43	1.359	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (1)
6	Fld Assy Oprbl, Mtl	43	1.359	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (1)
7	Fld Assy Oprbl, Mtl	43	1.359	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (1)
8	Fld Assy Oprbl, Mtl	43	1.359	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (1)
9	Fld Assy Oprbl, Mtl	22	1.514	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (1)
10	Fld Assy Oprbl, Mtl	21	1.140	0°	0.70	NFRC Props, >=7/16 Spc,	1st-Sales Display-101 (1)
11	Fld Assy Fixed, Mtl	45	1.350	0°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (1)
12	Fld Assy Fixed, Mtl	45	1.350	0°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (1)
13	Fld Assy Fixed, Mtl	45	1.350	0°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (1)
14	Fld Assy Fixed, Mtl	16	1.417	0°	0.35	NFRC Props, <7/16 Spc,	1st-Sales Display-101 (1)
15	Fld Assy Oprbl, Mtl	21	1.140	180°	0.70	NFRC Props, >=7/16 Spc,	1st-Sales Display-101 (2)
16	Fld Assy Oprbl, Mtl	40	1.373	180°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (2)
17	Fld Assy Oprbl, Mtl	40	1.373	180°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (2)
18	Fld Assy Oprbl, Mtl	40	1.373	180°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (2)
19	Fld Assy Oprbl, Mtl	40	1.373	180°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (2)
20	Fld Assy Oprbl, Mtl	40	1.373	180°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (2)
21	Fld Assy Oprbl, Mtl	40	1.373	180°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (2)
22	Fld Assy Oprbl, Mtl	37	1.388	180°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (2)
23	Fld Assy Fixed, Mtl	16	1.417	180°	0.35	NFRC Props, <7/16 Spc,	1st-Sales Display-101 (2)
24	Fld Assy Oprbl, Mtl	25	1.476	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (2)
25	Fld Assy Oprbl, Mtl	43	1.359	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (2)
26	Fld Assy Oprbl, Mtl	43	1.359	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (2)
27	Fld Assy Oprbl, Mtl	43	1.359	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (2)
28	Fld Assy Oprbl, Mtl	43	1.359	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (2)
29	Fld Assy Oprbl, Mtl	43	1.359	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (2)
30	Fld Assy Oprbl, Mtl	43	1.359	270°	0.35	NFRC Props, ..., <7/16 Spc,	1st-Sales Display-101 (2)

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011

VERTICAL FENESTRATION EXTERIOR SHADING

(dimensions in feet)

Fen #	Exterior Shade Type	Window		Overhang				Left Fin				Right Fin			
		Height	Width	Depth	Width	LExt.	RExt.	Depth	Height	TExt.	BExt.	Depth	Height	TExt.	BExt.
1	T24 Default	12.0	3.6	-	-	-	-	-	-	-	-	-	-	-	-
2	T24 Default	12.0	3.6	-	-	-	-	-	-	-	-	-	-	-	-
3	T24 Default	12.0	3.6	-	-	-	-	-	-	-	-	-	-	-	-
4	T24 Default	12.0	3.6	-	-	-	-	-	-	-	-	-	-	-	-
5	T24 Default	12.0	3.6	-	-	-	-	-	-	-	-	-	-	-	-
6	T24 Default	12.0	3.6	-	-	-	-	-	-	-	-	-	-	-	-
7	T24 Default	12.0	3.6	-	-	-	-	-	-	-	-	-	-	-	-
8	T24 Default	12.0	3.6	-	-	-	-	-	-	-	-	-	-	-	-
9	T24 Default	12.0	1.8	-	-	-	-	-	-	-	-	-	-	-	-
10	T24 Default	7.0	3.0	-	-	-	-	-	-	-	-	-	-	-	-
11	T24 Default	12.0	3.8	-	-	-	-	-	-	-	-	-	-	-	-
12	T24 Default	12.0	3.8	-	-	-	-	-	-	-	-	-	-	-	-
13	T24 Default	12.0	3.8	-	-	-	-	-	-	-	-	-	-	-	-
14	T24 Default	4.9	3.3	-	-	-	-	-	-	-	-	-	-	-	-
15	T24 Default	7.0	3.0	-	-	-	-	-	-	-	-	-	-	-	-
16	T24 Default	12.0	3.3	-	-	-	-	-	-	-	-	-	-	-	-
17	T24 Default	12.0	3.3	-	-	-	-	-	-	-	-	-	-	-	-
18	T24 Default	12.0	3.3	-	-	-	-	-	-	-	-	-	-	-	-
19	T24 Default	12.0	3.3	-	-	-	-	-	-	-	-	-	-	-	-
20	T24 Default	12.0	3.3	-	-	-	-	-	-	-	-	-	-	-	-
21	T24 Default	12.0	3.3	-	-	-	-	-	-	-	-	-	-	-	-
22	T24 Default	12.0	3.0	-	-	-	-	-	-	-	-	-	-	-	-
23	T24 Default	4.9	3.3	-	-	-	-	-	-	-	-	-	-	-	-
24	T24 Default	12.0	2.1	-	-	-	-	-	-	-	-	-	-	-	-
25	T24 Default	12.0	3.6	-	-	-	-	-	-	-	-	-	-	-	-
26	T24 Default	12.0	3.6	-	-	-	-	-	-	-	-	-	-	-	-
27	T24 Default	12.0	3.6	-	-	-	-	-	-	-	-	-	-	-	-
28	T24 Default	12.0	3.6	-	-	-	-	-	-	-	-	-	-	-	-
29	T24 Default	12.0	3.6	-	-	-	-	-	-	-	-	-	-	-	-
30	T24 Default	12.0	3.6	-	-	-	-	-	-	-	-	-	-	-	-

Preliminary Envelope Report Not For Submittal (1 of 2)

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011

Required Acceptance Tests:

Designer:

This form is to be used by the designer and attached to the plans. Listed below is the acceptance test for Envelope Fenestrations system. The designer is required to check the acceptance tests and list all the fenestration products that require an acceptance test. If all the site-built fenestration of a certain type requires a test, list the different fenestration products and the number of systems. The NA7 Section in the Appendix of the Nonresidential Reference Appendices Manual describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

Enforcement Agency:

Systems Acceptance. Before Occupancy Permit is granted for a newly constructed building or space or when ever new fenestration is installed in the building or space shall be certified as meeting the Acceptance Requirements. The ENV-2A form is not considered a complete form and is not to be accepted by the enforcement agency unless the boxes are checked and/or filled and signed. In addition, a Certificate of Acceptance forms shall be submitted to the enforcement agency that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of §10-103(b) of Title 24 Part 6. The field inspector must receive the properly filled out and signed forms before the building can receive final occupancy. A copy of the ENV-2A for each different fenestration product line must be provided to the owner of the building for their records.

FENESTRATION ACCEPTANCE TABLE

Test Description		ENV-2A	Test Performed By
Fenestration Products Name or ID Requiring Testing or Verification	Number of Like Products	Building Envelope Acceptance Test	
Window - W1		☐	
Window - W2		☐	
Window - W3		☐	
Window - W4		☐	
Window - W5		☐	
Window - W6		☐	
Window - W7		☐	
Window - W8		☐	
Window - W9a		☐	
Glass Door - Entry2		☐	
Window - N1		☐	
Window - N2		☐	
Window -N3		☐	
Window N - Abv Door		☐	
Glass Door - Entry1		☐	
Window - S1		☐	
Window - S2		☐	
Window - S3		☐	
Window - S4		☐	
Window - S5		☐	
Window - S6		☐	
Window - S7		☐	
Window S - Abv Door		☐	
Window - W9b		☐	
Window - W10		☐	
Window - W11		☐	
Window - W12		☐	
Window - W13		☐	
Window - W14		☐	
Window -W17		☐	

Preliminary Lighting Report Not For Submittal (Part 1 of 3)

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011

INSTALLED LIGHTING SCHEDULE

NOTE: A manually completed LTG-1C, such as can be found in the Nonresidential Compliance Manual, must be completed by the user and attached.

Total Building Watts
2,590.0

MANDATORY LIGHTING CONTROLS - FIELD INSPECTION CHECKLIST

Control Location (Room#)	Control Identification	Control Type (Automatic Time-Switch or Occupancy Sensor)	Space Controlled	Pass	Fail

Preliminary Lighting Report Not For Submittal (Part 2 of 3)

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011

LIGHTING CONTROLS INCLUDED IN THE SIMULATION MODEL

Control Location (Room# or Dwg#) [1]	Control ID [1]	Space Controlled	Lighting Area Type	Cntrld Lighting Power (kW)	Cntrld Area (sq. ft.)	Control Type	Daylt Cntrls Rqd?	Luminaire Type(s)[1,2]	Lumin-aire Qty[1,2]

Notes: 1.Information input by applicant must match construction documents for the building.
2.Luminaire type and quantity should reconcile with LTG-1C, lighting schedule, completed by the applicant.

NOTES TO FIELD - For Building Department Use Only

Preliminary Lighting Report Not For Submittal (Part 3 of 3)

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011

Conditioned and Unconditioned space lighting shall not be combined for compliance

Indoor Lighting Power for Conditioned Spaces		Indoor Lighting Power for Unconditioned Spaces		
	Watts			Watts
Installed Lighting (from Conditioned LTG-1C Page 2)		Installed Lighting (from Unconditioned LTG-1C Page 2)		
Lighting Control Credits Included in Performance Analysis?	NO	Lighting Control Credit Unconditioned Spaces (from LTG-2C)	-	
		Adjusted Installed Lighting Power	=	
Complies if Installed <= Allowed	↕	**Complies if Installed <= Allowed**		↕
Allowed Lighting Power (from LTG-1C Installed Lighting Schedule)	2,590	Allowed Lighting Power Unconditioned Spaces (from LTG-3C)		

Required Acceptance Tests:

Designer:

This form is to be used by the designer and attached to the plans. Listed below is the acceptance test for the Lighting system, LTG-2A and LTG-3A. The designer is required to check the acceptance tests and list all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance. If all the lighting system or control of a certain type requires a test, list the different lighting and the number of systems. The NA7 Section in the Appendix of the Nonresidential Reference Appendices Manual describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately. Forms can be grouped by type of Luminaire controlled.Forms can be grouped by type of Luminaire controlled.

Enforcement Agency:

Systems Acceptance. Before Occupancy Permit is granted for a newly constructed building or space or when ever new lighting system with controls is installed in the building or space shall be certified as meeting the Acceptance Requirements.
The LTG-2A and LTG-3A forms are not considered a complete form and is not to be accepted by the enforcement agency unless the boxes are checked and/or filled and signed. In addition, a Certificate of Acceptance forms shall be submitted to the enforcement agency that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of §10-103(b) of Title 24 Part 6. The field inspector must receive the properly filled out and signed forms before the building can receive final occupancy. A copy of forms LTG-2A and LTG-3A for each different lighting luminaire control(s) must be provided to the owner of the building for their records.

LIGHTING CONTROLS INCLUDED FOR CREDIT IN THE PERFORMANCE ANALYSIS

Luminaires Controlled				LTG-2A+LTG-3A
Equipment Requiring Testing	Description	Number of Like Controls	Location	Controls and Sensors and Automatic Daylighting Controls Acceptance

MANDATORY LIGHTING CONTROLS

Luminaires Controlled				LTG-2A+LTG-3A
Equipment Requiring Testing	Description	Number of Like Controls	Location	Controls and Sensors and Automatic Daylighting Controls Acceptance
				☐
				☐
				☐
				☐
				☐

Preliminary Lighting Report Not For Submittal (Part 3 of 3)

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011

MANDATORY LIGHTING CONTROLS

Luminaires Controlled				LTG-2A+LTG-3A
Equipment Requiring Testing	Description	Number of Like Controls	Location	Controls and Sensors and Automatic Daylighting Controls Acceptance
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐

Preliminary Mechanical Report Not For Submittal

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011

Required Acceptance Tests:

Designer:

This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for mechanical systems. The designer is required to check the applicable boxes by all acceptance tests that apply and list all equipment that requires an acceptance test. If all equipment of a certain type requires a test, list the equipment description and the number of systems. The NA number designates the Section in the Appendix of the Nonresidential Reference Appendices Manual that describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

Enforcement Agency:

Systems Acceptance. Before occupancy permit is granted for a newly constructed building or space, or a new space-conditioning system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance.
Systems Acceptance. Before occupancy permit is granted. All newly installed HVAC equipment must be tested using the Acceptance Requirements.
The MECH-1C form is not considered a completed form and is not to be accepted by the building department unless the correct boxes are checked. The equipment requiring testing, person performing the test (Example: HVAC installer, TAB contractor, controls contractor, PE in charge of project) and what Acceptance test must be conducted. The following checked-off forms are required for ALL newly installed and replaced equipment. In addition a Certificate of Acceptance forms shall be submitted to the building department that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of §10-103(b) and Title 24 Part 6. The building inspector must receive the properly filled out and signed forms before the building can receive final occupancy.

CENTRAL HEATING & COOLING SYSTEM ACCEPTANCE (Part 1)

Test Description		MECH-2A	MECH-3A	MECH-4A	MECH-5A	MECH-6A	MECH-7A	
Equipment Requiring Testing	# of units	Outdoor Ventilation for VAV & CAV	Constant Volume & Single-Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Control Ventilation DCV	Supply Fan VAV	Test Performed By
HP-1	1	☐	☐	☐	☐	☐	☐	
HP-2	1	☐	☐	☐	☐	☐	☐	
HP-3	1	☐	☐	☐	☐	☐	☐	

CENTRAL HEATING & COOLING SYSTEM ACCEPTANCE (Part 2)

Test Description		MECH-8A	MECH-11A	MECH-12A	MECH-13A	MECH-14A		
Equipment Requiring Testing	# of units	Valve Leakage Test	Automatic Demand Shed Control	Fault Detection & Diagnostics for DX Units	Automatic Fault Detection & Diagnostics for Air & Zone	Distributed Energy Storage DX AC Systems		Test Performed By
HP-1	1	☐	☐	☐	☐	☐		
HP-2	1	☐	☐	☐	☐	☐		
HP-3	1	☐	☐	☐	☐	☐		

CHILLED WATER, HEATING HOT WATER & CONDENSER WATER CIRCULATION SYSTEMS ACCEPTANCE

Test Description		MECH-8A	MECH-9A	MECH-10A	MECH-11A	MECH-15A		
Equipment Requiring Testing	# of units	Valve Leakage Test	Supply Water Temperature Reset	Hydronic System Variable Flow Control	Automatic Demand Shed Control	Thermal Energy Storage (TES) Systems		Test Performed By
DHW Plant 1 Loop (1)		☐	☐	☐	☐	☐		

Preliminary Mechanical Report Not For Submittal

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011

SYSTEM FEATURES

	Mechanical Systems			
System Name	HP-1	HP-2	HP-3	**Note to Field**
Time Control	S	S	S	
Setback Control	B	B	B	
Isolation Zones	1	1	1	
Heat Pump Thermostat?	Y	Y	Y	
Electric Heat?	N	N	N	
Fan Control	Constant Volume	Constant Volume	Constant Volume	
VAV Minimum Position Control?	No	No	No	
Simulataneous Heat/Cool?	n	n	n	
Heating Supply Reset?	No	No	No	
Cooling Supply Reset?	No	No	No	
Ventilation	Air Balance	Air Balance	Air Balance	
Outdoor Damper Control?	A	A	A	
Economizer Type	OA Temperature	OA Temperature	OA Temperature	
Design O.A. CFM (Mech-3C, Column H)	157.828	133.197	125.649	
Heating Equipment Type	Pkg Ht Pump	Pkg Ht Pump	Pkg Ht Pump	
Heating Equipment Efficiency	7.700 HSPF	7.700 HSPF	7.700 HSPF	
Cooling Equipment Type	Pkg DX Clg	Pkg DX Clg	Pkg DX Clg	
Cooling Equipment Efficiency	13.00 SEER	13.00 SEER	13.00 SEER	
Make and Model Number				
Heating Duct Location	Ceiling Plenum	Ceil€OÃÇ...€OÃÇ€OÃÇ	Ceil€OÃÇ...€OÃÇ€OÃÇ	
Heating Duct R-Value	7.000	7.000	7.000	
Cooling Duct Location	Ceiling Plenum	Ceil€OÃÇ...€OÃÇ€OÃÇ	Ceil€OÃÇ...€OÃÇ€OÃÇ	
Cooling Duct R-Value	7.000	7.000	7.000	
Duct Tape Allowed?	0	0	0	
Pipe Type (Supply, Return, Etc...)	-	-	-	
Pipe Insulation R-Value				

CODE TABLES: Enter code from table below into columns above.

Heat Pump Thermostat?	Y: Yes N: No
Electric Heat?	
VAV Minimum Position Control?	
Simulataneous Heat/Cool?	
Heat and Cool Supply Reset?	
Outdoor Damper Control?	
High Efficiency?	
Duct Tape Allowed?	
Pipe Insulation Required?	

Time Control	Setback Control	Isolation Zones	Fan Control
S: Prog Switch O: Occupancy Sensor M: Manual Timer	H: Heating C: Cooling B: Both	Enter number of Isloation Zones	I: Inlet Vanes P: Variable Pitch V: VFD O: Other C: Curve

Ventilation	Outdoor Damper	Economizer	Design O.A. CFM
B: Air Balance C: Outside Air Cert. M: Out. Air Measure D: Demand Control N: Natural	A: Auto G: Gravity	A: Air W: Water N: Not Required	Enter Design Outdoor Air CFM. Note: This shall be no less than Column H on MECH-3C.

NOTES TO FIELD - For Building Department Use Only

Preliminary Mech. Vent Report Not For Submittal

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011

MECHANICAL VENTILATION

A	B	C	D	E	F	G	H	I	J	K
	AREA BASIS			OCCUPANCY BASIS						
Zone Name	Cond Area (sf)	CFM per sf	Min. CFM (BxC)	No. of People	CFM Per Person	Min. CFM (ExF)	Reg'd O.A. (Max. of D or G)	Design Outdoor Air CFM	VAV Min. CFM	Transfer Air CFM
1st-SW Peri...Zn (G.SW8)	631	0.25	158	10	15.0	156	158	158	- n/a -	-0
1st-WNW P... (G.WNW1)	532	0.25	133	9	15.0	132	133	133	- n/a -	-0
1st-North P...m Zn (G.N2)	94	0.15	14	0	15.0	7	14	14	- n/a -	0
1st-Core Zn (G.C3)	128	0.15	19	1	15.0	10	19	19	- n/a -	0
1st-Core Zn (G.C4)	33	0.15	5	0	15.0	1	5	5	- n/a -	0
1st-Core Zn (G.C5)	37	0.15	6	0	15.0	1	6	6	- n/a -	0
1st-Core Zn (G.C6)	126	0.15	19	1	15.0	9	19	19	- n/a -	0
2nd-Core Zn (G.C3)	281	0.15	42	0	15.0	6	42	42	- n/a -	0
2nd-North P... Zn (G.N5)	138	0.15	21	0	15.0	3	21	21	- n/a -	0

C Minimum ventilation rate per Section 121, Table 121-A.

E Base on expected number of occupants or at least 50% of CBC occupant density for egress purposes.

I Must be greater that or equal to H, or use Transfer Air. Design outdoor air includes ventilation from supply air system & exhaust fans which operate at design conditions.

K Must be greater than or equal to (H-I), and, for VAV, greater than or equal to (H-J).

Preliminary Mech. Equip. Report Not For Submittal (Part 1 of 2)

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011

CIRCULATION LOOP SUMMARY

		CIRCULATION LOOP PUMPS					
Name	Description	Qty.	GPM	BHP	Motor Eff.	Drive Eff.	Pump Control
DHW Plan...oop (1)	Nonres DHW Loop	0	n/a	0.0	n/a	n/a	n/a

DOMESTIC WATER HEATER SUMMARY

								Tank Insulation	
Name	Circulation Loop	Description	Qty.	Rtd Input (kBtu/h)	Volume (Gals.)	E.F. or Rec. Eff.	Stdby or Pilot	Int. R-Val	Ext. R-Val
DHW Plan... Htr (1)	DHW Plan...oop (1)	Other Dire...d Storage	1	147	110.4	0.80% Et	0.79%	0.00	12.00

CENTRAL SYSTEM RATINGS

				HEATING			COOLING			
System Name	Circulation Loop	Description	Qty.	Output (kBtu/h)	Aux. kW	Efficiency	Output (kBtu/h)	EER	SEER	Economizer Type
HP-1	- none -	Pkgd Single Zone	1	31	0.00	7.70 HSPF	59	n/a	13.00	OA Te...ture
HP-2	- none -	Pkgd Single Zone	1	24	0.00	7.70 HSPF	59	n/a	13.00	OA Te...ture
HP-3	- none -	Pkgd Single Zone	1	33	0.00	7.70 HSPF	59	n/a	13.00	OA Te...ture

CENTRAL FAN SUMMARY

	SUPPLY FAN						RETURN FAN					
System Name	Description	Qty.	CFM	BHP	Motor Eff	Drive Eff	Description	Qty.	CFM	BHP	Motor Eff	Drive Eff
HP-1	Constant Volume	1	2,000	0.46	0.80	1.00	n/a					
HP-2	Constant Volume	1	2,000	0.46	0.80	1.00	n/a					
HP-3	Constant Volume	1	2,000	0.46	0.80	1.00	n/a					

Preliminary Mech. Equip. Report Not For Submittal (Part 2 of 2)

Project Name	Date
America's Tire - LH Prototype-WDE	30-Sep-2011

VAV SUMMARY

	VAV				
Zone Name	System Type	Qty.	Min. CFM Ratio	Reheat Type	Reheat Delta-T

EXHAUST FAN SUMMARY

	EXHAUST FAN					
Zone Name	Description	Qty.	CFM	BHP	Motor Eff.	Drive Eff.