



SCAN

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MAY 10 2012

### Structural Checksheet Response

Permit #: 12-117665-000-00-CO

Date: May 4, 2012

Customer name and phone number: Mike Steenson (651) 251-7570

Note: Please number each change in the '#' column. Use as many lines as necessary to describe your changes. Indicate which reviewer's checksheet you are responding to and the item your change addresses. If the item is not in response to a checksheet, write **customer** in the last column.

#	Description of changes, revisions, additions, etc.	Checksheet and item #
1	See attached.	Structural #1
2	Acknowledged.	Structural #2
3	See response by KPFF Consulting Engineers under Permit Application 11-202090-000-00-CO.	Structural #3
4	S112: 1. Moved bike lift location 2. Added notes 'I' and 'J' to "General Framing Plan Notes".	Customer
5	S113: 1. Adjusted mechanical opening through floor near Grid 8 and B. 2. Provided additional support for mechanical unit near Grids C and 3. 3. Added note regarding mechanical penetration through existing elevator shaft wall near Grids 7 and I. 4. Added notes 'J' and 'K' to "General Framing Plan Notes".	Customer
6	S114: 1. Indicating additional mechanical unit and support between Grids E and F, 8 and 9. 2. Added notes 'I' and 'H' to "General Framing Plan Notes".	Customer
7	S115: 1. Added partial plan 3/S115 for new topping on first floor.	Customer
8	S141: 1. Specified clip angle attachment of stud track to column. 2. Revised detail 9/S141 to reflect new bike lift support condition. 3. Indicating stud size and spacing in detail 11/S141. 4. Added clarification note in detail 15/S141. 5. Revised lintel angle at opening in detail 16/S141. 6. Relocated storefront support framing to be centered on existing column in details 17/S141 and 18/S141. 7. Clarified to remove and patch existing concrete in detail 21/S141.	Customer

(for office use only)



CITY OF PORTLAND, OREGON – BUREAU OF DEVELOPMENT SERVICES

Special Inspections • 1900 SW Fourth Avenue, Suite 5000 • Portland, Oregon 97201 • www.portlandonline.com/bds

Structural Special Inspection and Observation Program Checksheet

The registered design professional in responsible charge shall prepare and submit a special inspection and structural observation program in accordance with IBC Sections 1704.1.1, 1705.2, and 106.3.4.1, and confirm that the special inspection and structural observations noted below are indicated on the drawings.

~ Please Note that separate Soils and Life Safety Inspection Checksheets may also be required ~

Instructions – Parts D and E of this Checksheet must be fully completed by the Owner (or Architect or Engineer acting as the owner’s agent) in order to obtain your permit.

When complete, return this form to BDS Permitting Services. You may return it in person at 1900 SW 4th Ave, by fax to (503) 823-4172, or by email to specialinspectionsforms@portlandoregon.gov.

Application # 12-117665-000-00-CO Date: April 20, 2012
Project Name: Galleria Target Store
Site Address: 921 SW MORRISON ST
Architect of Record (Firm): MBH Architects Phone # 510-865-8663
Engineer of Record (Firm): Ericksen Roed & Associates Phone # 651-251-7570

The following special inspections and structural observations shall be performed according to the State Building Code and City of Portland Special Inspection Program Administrative Rules unless a program of inspections is submitted by the Engineer of Record and approved by Bureau of Development Services.

A. REQUIRED SPECIAL INSPECTIONS FOR ALL BUILDING TYPES

- Steel Construction (checked), Concrete Construction, Anchors – Adhesive, Wood Construction, Curtainwall, Prestressed Concrete, Anchors – Cast-in-place, Masonry, Structural Silicone Glazing, Shotcrete, Anchors – Expansion (checked), Cold Formed Steel Framing, Special Cases: Screw Anchors (checked)

B. REQUIRED SPECIAL INSPECTIONS FOR CATEGORY III AND IV BUILDINGS (In addition to those noted above.)

- Seismic Force Resist. System, Storage Racks, Access Floors, Suspended Ceilings, Mechanical Components, Electrical Components, Cladding, Veneer, Nonbearing Walls, Seismic Isolation System, Special Cases:

C. STRUCTURAL OBSERVATION

- Required (The stages of construction at which structural observation is to occur shall be indicated on the drawings.)

D. APPROVED SPECIAL INSPECTOR OR INSPECTION AGENCY (To be completed by the applicant.)

5-10-12 NOTE: Selection of special inspection agency is in progress and will be completed before permit issue.

Indicate the City approved special inspector or special inspection agency to perform the required special inspections noted in parts A. and B. above:

- Carlson Testing (503) 684-3460, Northwest Geotech (503) 682-1880, PSI (503) 289-1778, Mayes Testing, Inc. (503) 281-7515, Clair Company (800) 383-8855, Krazan & Assoc. (503) 665-3574, ACS (503) 443-3799

E. To be completed by the applicant.

By completing Part E the project owner (or the Architect or Engineer acting as the Owner’s Agent) hereby agrees to employ the special inspector or inspection agency and/or engineer of record for the above noted special inspections and/or structural observations. (Contractors are NOT authorized to agree for the Owner.)

Print Name (Project Owner or the Architect or Engineer acting as the Owner’s Agent) Date

Firm Target Corporation Phone 612-761-6063

The project owner shall provide a copy of this checksheet to the special inspection agency and engineer of record.

Plans Examiner: Eric Thomas

APPLICANT – COMPLETE PARTS D & E



## Hulstrom, Brett

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**From:** Laura Shen [Lauras@mbharch.com]  
**Sent:** Tuesday, April 10, 2012 11:08 AM  
**To:** Hulstrom, Brett  
**Subject:** RE: T-2791 Portland Galleria Target - RE: Check sheet fro 12-117665

This store will only have Starbucks—it is different since it's their "City Target" concept.

If you have any other questions, let me know. Thanks!

**Laura Shen**, Architect  
Associate | LEED® AP



2470 Mariner Square Loop, Alameda, CA 94501  
t 510 865 8663 f 510 865 1611  
[lauras@mbharch.com](mailto:lauras@mbharch.com) [www.mbharch.com](http://www.mbharch.com)

Please consider the environment before printing this email.

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**From:** Hulstrom, Brett [mailto:Brett.Hulstrom@portlandoregon.gov]  
**Sent:** Tuesday, April 10, 2012 8:20 AM  
**To:** Laura Shen  
**Subject:** RE: T-2791 Portland Galleria Target - RE: Check sheet fro 12-117665

I got to thinking about this project. Most of the Targets that I have a fast food dining area for hot dogs, pizza and other snacks. Will this Target have one of those?

Regards - Brett

Brett M. Hulstrom  
City of Portland - Bureau of Environmental Services  
6543 N. Burlington Avenue  
Portland, OR 97203  
(503) 823-7807 Work Phone  
(503) 823-5656 Work Fax  
(503) 997-2135 Personal Mobile Phone

---

**From:** Laura Shen [mailto:Lauras@mbharch.com]  
**Sent:** Monday, April 09, 2012 5:44 PM  
**To:** Hulstrom, Brett  
**Cc:** Eddie Hall; 'Doug Scott'; Gardner, Mary Pat  
**Subject:** T-2791 Portland Galleria Target - RE: Check sheet fro 12-117665

Brett, thanks for the comments. Responses are as follows:

1.	Yes, please see	Please verify that all plumbing fixtures with the potential
----	-----------------	---

4/10/2012

	Sheet P311.	to discharge grease at the Starbuck will pass thru a grease removal device.
2.	Trash will be collected and brought to the enclosed trash compactor at the Target loading dock. Starbucks is staffed by Target employees (is not a separate operation).	Will the Starbucks utilize the existing trash compactor or will they have their own trash service?
3.	No processing of meat will be done at the store. All meat will arrive prepackaged.	Will there be any processing of meat in the meat cooler area? If yes, drains in this area will need to pass thru a grease removal device.

I will provide a copy of these written responses with our resubmittal to the Building Dept. I don't believe any drawing revisions will be needed. Will you require anything else to be submitted?

Thanks again,

**Laura Shen**, Architect  
Associate | LEED® AP



2470 Mariner Square Loop, Alameda, CA 94501  
t 510 865 8663 f 510 865 1611  
[lauras@mbharch.com](mailto:lauras@mbharch.com) [www.mbharch.com](http://www.mbharch.com)

Please consider the environment before printing this email.

**From:** Hulstrom, Brett [<mailto:Brett.Hulstrom@portlandoregon.gov>]  
**Sent:** Monday, April 09, 2012 4:11 PM  
**To:** Laura Shen  
**Subject:** Check sheet fro 12-117665

Please let me know you received this document. Thanks. Brett  
Brett M. Hulstrom  
6543 N Burlington  
Portland, OR 97203  
503-823-7807 - office  
503-823-5559 - fax  
[brett.hulstrom@portlandoregon.gov](mailto:brett.hulstrom@portlandoregon.gov)

4/10/2012



# CITY OF PORTLAND, OREGON Development Services Center

Effective July 1, 2010

1900 SW Fourth Avenue, Suite 1500 • Portland, Oregon 97201 • www.portlandoregon.gov/bds

## Systems Development Charge Form, Commercial Projects

### FOR INTAKE, STAFF USE ONLY

Date Rec 3/13/12 by Mary Beth Jones Address \_\_\_\_\_  
 Qtr Sec Map(s) \_\_\_\_\_  
 Building Permit # 12-117665 Co Tax Account # \_\_\_\_\_

Systems Development Charges (SDCs) are collected by the bureaus of Environmental Services, Parks and Recreation, Portland Water Bureau and the Portland Office of Transportation to help offset the impact your project will add to the City's infrastructure of storm and sanitary sewer systems, parks and recreation facilities, water and street systems. Commercial SDC fees for Parks went in to effect January 1, 2009, please call 503-823-5105 for details. The Bureau of Development Services does not charge SDCs.

- Complete for:**
- new construction
  - change of use or occupancy
  - adding or removing plumbing fixtures
  - increase of impervious surfaces over 500 sq. ft.
  - building additions or tenant improvements that change the number of units  
(as indicated on pages 2 and 3).

Applicant Name Laura Shen / BH Architects  
 Address 2470 Mariner Square Loop  
 City Alameda State CA Zip Code 94501  
 Day Phone 510 865 8663 FAX 510 865 1611 email lauras@mbharch.com

**Describe the scope of the project.** If applicable, include detail on the existing use(s) of the structure. If a building has been demolished, provide the demolition permit number. Do not include the previous use information in column 4 in the following table (attach additional sheets as necessary).

T-2791 Target Portland Galleria: Tenant improvements for new Target store in the existing Galleria building. Entry and loading dock at 1st level; sales, stock, offices, and supporting spaces will be located on 2nd & 3rd levels.  
Starbucks will be located at the 1st level; Target pharmacy will be located at the 2nd level; grocery will be located at the 3rd level.  
Core and shell permit submitted previously by FFA Architects.

What county is your project in?

Multnomah, inside Portland       Clackamas  
 Multnomah, outside Portland       Washington

<i>Show Unposted</i>	Contract Amount	Dollars Spent	Fee Remaining	Contract % Used	Amount Invoiced
<b>Project Number: 44303 Target T 2018 RS Clovis NW</b>					
Phase Number: 060 Construction Documents JTD	6,000.00	7,772.50	-1,772.50	129.54%	6,000.00
Phase Number: 061 Building Complexity JTD					
Phase Number: 070 Bid & Permit JTD	1,500.00	1,280.00	220.00	85.33%	
Phase Number: 071 High Complexity JTD	1,200.00	130.00	1,070.00	10.83%	
Phase Number: 072 Enhanced Permit Services JTD	2,000.00		2,000.00		
Phase Number: 080 Construction Administration JTD	745.00	162.50	582.50	21.81%	
Phase Number: 101 ASA 01 Revise Lounge/Training JTD		350.00	-350.00		
Phase Number: 102 ASA 02 Roof Equipment Dimensions JTD		350.00	-350.00		
Phase Number: 700 Structural: JTD					
Phase Number: 740 MEP: JTD					
Phase Number: REIM Reimbursable Expenses JTD					
<b>Total for 44303 JTD</b>	<b>11,445.00</b>	<b>10,045.00</b>	<b>1,400.00</b>	<b>87.77%</b>	<b>6,000.00</b>

**Complete the table below and on the following page**

Column 3: Enter the size (number of units) of your proposed development.

Column 4: If the project site has existing buildings or structures, enter the size (number of units) of the existing or most recent use.

(1) Building Use Type	(2) Unit of Measure	(3) Units In Proposed Development	(4) Units In Existing or Most Recent Use
<b>Residential</b>			
Multi Family (number of Units/Buildings)	dwelling		
Senior Housing	dwelling		
Rowhouse	dwelling		
Nursing Home	beds		
Congregate Care/Assisted Living	dwelling		
<input type="checkbox"/> Low-income housing? (attach "Waiver Letter" from Portland Development Commission)			

**Commercial Services**

Bank	sq ft/GFA		
Walk-in Bank	sq ft/GFA		
Day Care	students		
Library	sq ft/GFA		
Post Office	sq ft/GFA		
Hotel/Motel	rooms		
Service Station	Vehicle Fueling Position - VFP		
Movie Theater	screen		
Car Wash	wash stall		
Health Club	sq ft/GFA		
Marina	berth		

**Commercial Institutional**

School, K-12	student		
University/College	student		
Church	sq ft/GFA		
Hospital	Sq ft/GFA		
Park	acre		

**Commercial Restaurant**

<input checked="" type="checkbox"/> Restaurant	sq ft/GFA	1,486 SF	450 SF
Quick Service Restaurant (drive-through)	sq ft/GFA		

(1) Building Use Type	(2) Unit of Measure	(3) Units In Proposed Development	(4) Units In Existing or Most Recent Use
<b>Commercial Retail</b>			
Shopping Center	sq ft/GFA		
Supermarket	sq ft/GFA		
Convenience Market	sq ft/GFA		
✓ Discount / Department Store	sq ft/GFA	85,885 SF	33,000 SF
Miscellaneous Retail	sq ft/GFA		
Car Sales, New and Used	sq ft/GFA		
<b>Commercial Office</b>			
Administrative Office	sq ft/GFA		
Medical Office / Clinic	sq ft/GFA		
<b>Commercial Industrial</b>			
Light Industrial / Manufacturing	sq ft/GFA		
Self-storage	sq ft/GFA		
Warehouse / Storage	sq ft/GFA		
Truck Terminal	acre		

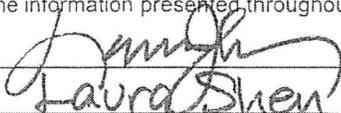
**PRIOR PAYMENT OF SDCs** (This information can be researched at the Records and Resources Counter)

Has the existing use paid a Transportation SDC since October 17, 1997?  yes  no

If yes, specify date paid: \_\_\_\_\_ amount paid: \$ \_\_\_\_\_ permit # on which it was paid: \_\_\_\_\_

**Signature and Date** (to be completed by all development review customers)

I certify that the information presented throughout this document is current and accurate to the best of my knowledge:

Signature  Date 3.8.12

Print name Laura Shen

Company name and your position MBH Architects / Project Architect

# Bureau of Environmental Services (BES)

## Fixture Worksheet and Stormwater Information Form

Residential/Multiple Dwellings (number of units): \_\_\_\_\_

NOTE: Residential units for mixed-use developments will be charged 0.8 EDU per unit or \$3,068.00/unit.  
The commercial spaces will be charged by Plumbing Fixture Unit (PFU).

Part I: Calculation of Plumbing Fixture Units (PFUs) for Commercial, Retail and Office spaces only.					
Fixture Type (for Commercial only)	Number of Fixtures to be Added [1]	Number of Fixtures to be Removed [2]	Net Change in Number of Fixtures [3]	Equivalency Factor [4]	Net Change in Number of PFUs
Calculation			[1] - [2]		[3] x [4]
Bathtub or combination bath/shower	0			2.0	
Clothes washer	0			6.0	
Dental unit or cuspidor	0			1.0	
Dishwasher	1		1	2.0	2
Drinking fountain or water cooler	2		2	0.5	1
Laundry sink	0			2.0	
Lavatory (wash basin) single	1	14	-13	1.0	-13
Lavatory (wash basin) sets of 2 or 3	2		2	2.0	4
Shower stall	0			2.0	
Sink, commercial, food & service	3		3	3.0	9
Sink, general	2		2	2.0	4
Urinal	1	6	-5	2.0	-10
Water closet (toilet) private	6	21	-15	4.0	-60
Other*(floor sink / floor drain)	4/8	7	5	1.0	5
Other*(Specify)	MOP SINK	2	2	2	4
Other*(Specify)	VAC SINK	1	1	2	2
Other*(Specify)					
* For Other fixtures, use PFU values from Oregon Plumbing Specialty Code				<b>Total of Net Changes in PFUs</b> (if negative enter negative number) (if applicable show negative number for future credit)	
				- 52	

### Storm Water Identification:

Are you increasing the impervious surface:  yes  no

If yes, please note the Impervious Surface Area (i.e. hard surface such as roof, asphalt, concrete, building footprint, etc.) as requested below:

Total impervious area on site after completion: \_\_\_\_\_ sq. ft.

Existing impervious area before construction: \_\_\_\_\_ sq. ft.

New impervious area to be added to site: \_\_\_\_\_ sq. ft.

Provide the amount of lineal footage of property fronting all public rights-of-way: \_\_\_\_\_ ft.

# Portland Water Bureau Water Meter Sizing Worksheet - Commercial or Mixed Use

Revised: May 2008 According to UPC-2005-Appendix A

Building Permit Number	Service Address
------------------------	-----------------

(1) Type of Fixture	(2) Fixtures in New Structure	+	(3) Fixtures in Existing Structure	--	(4) Fixtures Re- moved	=	(5) Total Fixtures	x	(6) Fixture Value	=	(7) Total Fixture Unit Value
Sink, Clinic	_____	+	_____	--	_____	=	_____	x	3.0	=	_____
Sink, Kitchen	_____	+	_____	--	_____	=	_____	x	1.5	=	_____
Sink, Service or Mop Basin	_____	+	_____	--	_____	=	_____	x	3.0	=	_____
Sink, Laundry	_____	+	_____	--	_____	=	_____	x	1.5	=	_____
Sink, Bar	_____	+	_____	--	_____	=	_____	x	2.0	=	_____
Sink, Lavatory	_____	+	_____	--	_____	=	_____	x	1.0	=	_____
Bathtub or Tub/Shower	_____	+	_____	--	_____	=	_____	x	4.0	=	_____
Shower	_____	+	_____	--	_____	=	_____	x	2.0	=	_____
Urinal, 1.0 GPF	_____	+	_____	--	_____	=	_____	x	4.0	=	_____
Urinal, > 1.0 GPF	_____	+	_____	--	_____	=	_____	x	5.0	=	_____
Water Closet, 1.6 GPF Gravity Tank	_____	+	_____	--	_____	=	_____	x	2.5	=	_____
Water Closet, 1.6 GPF Flushometer Valve	_____	+	_____	--	_____	=	_____	x	5.0	=	_____
Water Closet, >1.6 GPF Flushometer Valve	_____	+	_____	--	_____	=	_____	x	8.0	=	_____
Clothes Washer, domestic	_____	+	_____	--	_____	=	_____	x	4.0	=	_____
Dishwasher	_____	+	_____	--	_____	=	_____	x	1.5	=	_____
Drinking Fountain	_____	+	_____	--	_____	=	_____	x	0.5	=	_____
Hose Bibb	_____	+	_____	--	_____	=	_____	x	2.5	=	_____
Hose Bibb, each additional	_____	+	_____	--	_____	=	_____	x	1.0	=	_____

Note: Fixture units for flushometers are approximate values. Values may be adjusted by Portland Water Bureau Staff on a case by case basis.

**Total Fixture Units = \_\_\_\_\_**

### Instructions

- Column 2: Enter the total number of each fixture type intended for the completed new structure
- Column 3: If the project has an existing structure that will be utilizing the same water meter enter the total number of each fixture type currently in the existing structure.
- Column 4: Enter the number of fixture connections that will be permanently removed from the new structure.
- Column 5: Sum of column 2 and 3 minus column 4
- Column 6: Per unit value of each fixture type
- Column 7: Enter the number of column 5 times Column 6

Fixture Unit Count (column 7 total)	Required Meter Size
0 – 22	5/8" meter
22.5 – 37	3/4" meter
37.5 – 89	1" meter
89.5 – 286	1.5" meter
286.5 – 532	2" meter
532.5 – 1,300	3" meter
1,300.5 – 3,600	4" meter
3,600.5 – 8,200	6" meter

**NOTE:** There may be SDC credit if existing meters are utilized or removed. SDC fees are not assessed to fire lines. Fees are due at time water service installation is paid. Call Portland Water Bureau Development Services, 503-823-7368 with any questions.

<i>Show Unposted</i>	Contract Amount	Dollars Spent	Fee Remaining	Contract % Used	Amount Invoiced
<b>Project Number: 44300 Target T 2176 MR Tempe NE</b>					
Phase Number: 060 Construction Documents JTD	6,000.00	8,086.75	-2,086.75	134.78%	6,000.00
Phase Number: 061 Building Complexity JTD					
Phase Number: 070 Bid & Permit JTD	1,500.00	1,352.50	147.50	90.17%	600.00
Phase Number: 071 High Complexity JTD	1,200.00		1,200.00		
Phase Number: 072 Enhanced Permit Services JTD	2,000.00		2,000.00		
Phase Number: 080 Construction Administration JTD	745.00		745.00		
Phase Number: 101 ASA 01 Garden Center Infill Wall JTD		130.00	-130.00		
Phase Number: 700 Structural: JTD					
Phase Number: 740 MEP: JTD					
Phase Number: REIM Reimbursable Expenses JTD					
Phase Number: REIM2 Reimbursables 2 JTD					
<b>Total for 44300 JTD</b>	<b>11,445.00</b>	<b>9,569.25</b>	<b>1,875.75</b>	<b>83.61%</b>	<b>6,600.00</b>



# COMcheck Software Version 3.9.0 Interior Lighting Compliance Certificate



## Oregon Energy Efficiency Specialty Code

### Section 1: Project Information

Project Type: **New Construction**

Project Title :

Construction Site:

Owner/Agent:

Designer/Contractor:

### Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts (B x C)
Retail:Sales Area (Ceiling Height 0 ft.)	54334	1.5	81501
Common Space Types:Dining Area - Bar Lounge/Leisure (Ceiling Height 0 ft.)	958	1.4	1341
Warehouse:Medium/Bulky Material Storage (Ceiling Height 0 ft.)	9276	0.81	7514
Common Space Types:Office - Enclosed (Ceiling Height 0 ft.)	2250	0.97	2183
Common Space Types:Electrical/Mechanical (Ceiling Height 0 ft.)	1473	1.24	1827
Common Space Types:Restrooms (Ceiling Height 0 ft.)	461	0.82	378
Common Space Types:Corridor/Transition (Ceiling Height 0 ft.)	791	0.41	324
Common Space Types:Active Storage (Ceiling Height 0 ft.)	1261	0.66	832
Common Space Types:Lobby (Ceiling Height 0 ft.)	1711	1.28	2190
Common Space Types:Classroom/Lecture/Training (Ceiling Height 0 ft.)	503	1.23	619
Common Space Types:Lounge/Recreation (Ceiling Height 0 ft.)	682	1.16	791
Total Allowed Watts =			99499

### Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Retail:Sales Area (54334 sq.ft.)				
Linear Fluorescent 1: A1: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	2	618	59	36462
Linear Fluorescent 2: A2: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	2	62	59	3658
Linear Fluorescent 3: A6: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	3	3	70	210
Linear Fluorescent 4: V2: 4' Fluorescent Valance / 48" T8 28W (Super T8) / Electronic	1	69	34	2346
Compact Fluorescent 4: W1: 2' Fluorescent Wall Washer / Quad 2-pin 26W / Electronic	1	28	29	812
Common Space Types:Dining Area - Bar Lounge/Leisure (958 sq.ft.)				
Compact Fluorescent 5 copy 1: S7: Fluorescent Pendant / Triple 4-pin 57W / Electronic	1	16	57	912
Track lighting 1: Wattage based on 24.0 feet of track	0	0	0	1200
Compact Fluorescent 6 copy 1: D3: Compact Fluorescent Downlight / Quad 2-pin 26W / Electronic	2	8	54	432
Incandescent 1: S10: Decorative LED Pendant / Other	1	5	7	35
Warehouse:Medium/Bulky Material Storage (9276 sq.ft.)				
Linear Fluorescent 5: B3: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	4	5	92	460
Linear Fluorescent 6: C2: 4' Fluorescent Strip / 48" T8 28W (Super T8) / Electronic	2	10	51	510
Linear Fluorescent 7: C3: 8' Fluorescent Tandem Strip / 48" T8 28W (Super T8) / Electronic	4	100	95	9500
LED 1: C12: 4' LED Wet Location / Other / Electronic	1	20	39	780
Common Space Types:Office - Enclosed (2250 sq.ft.)				
Linear Fluorescent 3: A6: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	3	25	70	1750

12-118474 MT  
12-117665 00

15-11492 00

15-11843A mi



Linear Fluorescent 8: A13: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	2	19	48	912
Linear Fluorescent 9: B2: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	3	3	74	222
Compact Fluorescent 1: D1: Compact Fluorescent Downlight / Quad 4-pin 18W / Electronic	2	1	39	39
Linear Fluorescent 28: B2: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	3	3	64	192
Common Space Types:Electrical/Mechanical (1473 sq.ft.)				
Linear Fluorescent 6: C2: 4' Fluorescent Strip / 48" T8 28W (Super T8) / Electronic	2	12	51	612
Linear Fluorescent 7: C3: 8' Fluorescent Tandem Strip / 48" T8 28W (Super T8) / Electronic	4	2	95	190
Common Space Types:Restrooms (461 sq.ft.)				
Linear Fluorescent 10: B7: 1'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	2	10	43	430
Compact Fluorescent 1: D1: Compact Fluorescent Downlight / Quad 4-pin 18W / Electronic	2	2	39	78
Compact Fluorescent 2: S2: Mirror Light Round / Quad 4-pin 18W / Electronic	2	2	39	78
Common Space Types:Corridor/Transition (791 sq.ft.)				
Linear Fluorescent 3: A6: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	3	1	70	70
Linear Fluorescent 6: C2: 4' Fluorescent Strip / 48" T8 28W (Super T8) / Electronic	2	2	51	102
Linear Fluorescent 7: C3: 8' Fluorescent Tandem Strip / 48" T8 28W (Super T8) / Electronic	4	5	95	475
Linear Fluorescent 7: A1: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	2	3	59	177
Common Space Types:Active Storage (1261 sq.ft.)				
Linear Fluorescent 1: A1: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	2	1	59	59
Linear Fluorescent 6: C2: 4' Fluorescent Strip / 48" T8 28W (Super T8) / Electronic	2	2	51	102
Linear Fluorescent 7: C3: 8' Fluorescent Tandem Strip / 48" T8 28W (Super T8) / Electronic	4	6	95	570
Linear Fluorescent 11: C1: 4' Fluorescent Strip / 48" T8 28W (Super T8) / Electronic	2	1	51	51
Linear Fluorescent 12: B1: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	2	1	54	54
Linear Fluorescent 9: B2: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	3	4	74	296
Linear Fluorescent 28: C11: 4' Fluorescent Wraparound / 48" T8 32W / Electronic	2	2	72	144
Common Space Types:Lobby (1711 sq.ft.)				
Linear Fluorescent 1: A1: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	2	4	59	236
Linear Fluorescent 8 copy 2: A13: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	2	2	48	96
Common Space Types:Classroom/Lecture/Training (503 sq.ft.)				
Linear Fluorescent 3: A6: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	3	6	70	420
Linear Fluorescent 8 copy 1: A13: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	2	3	48	144
Common Space Types:Lounge/Recreation (682 sq.ft.)				
Linear Fluorescent 8: A13: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	2	4	48	192
Compact Fluorescent 5: S7: Fluorescent Pendant / Triple 4-pin 57W / Electronic	1	13	57	741
Linear Fluorescent 30: A3: 2'X2' Fluorescent Troffer / 24" T8 17W / Electronic	2	2	43	86
Compact Fluorescent 6: D3: Compact Fluorescent Downlight / Quad 2-pin 26W / Electronic	2	3	54	162
				Total Proposed Watts = 65997

## Section 4: Requirements Checklist

In the following requirements, the relevant code section reference is shown in [ ]. '+' denotes that more details exist in the specified code section. Checkboxes identify requirements that the applicant has not acknowledged as being met. Check marked requirements identify those the applicant acknowledges are met or excepted from compliance. 'Plans reference page/section' identifies where in the plans/specs the requirement can be verified as being satisfied.

### Lighting Wattage:

1. [505.1 +] Total proposed watts must be less than or equal to total allowed watts.  
 Allowed Wattage: 99499 Proposed Wattage: 65997  
 Complies: YES

### Mandatory Requirements:

2. [505.4] Exit signs. Internally illuminated exit signs shall not exceed 5 watts per side.

Plans reference page/section: EG01

3. [505.2.2.3 +] Daylight zone control. All daylight zones are provided with individual controls that control the lights independent of general area lighting in the non-daylight zone. In all individual daylight zones larger than 350 sq.ft., automatic daylight controls is provided. Automatic daylight sensing controls reduce the light output of the controlled luminaires at least 50 percent, and provide an automatic OFF control, while maintaining a uniform level of illumination. Contiguous daylight zones adjacent to vertical fenestration may be

controlled by a single controlling device provided that they do not include zones facing more than two adjacent cardinal orientations (i.e., north, east, south, west). Daylight zones under skylights shall be controlled separately from daylight zones adjacent to vertical fenestration.

Exception(s):

- Retail spaces adjacent to vertical glazing (retail spaces under overhead glazing are not exempt).
- Display, exhibition and specialty lighting
- HID lamps 150 watts or less.
- Spaces required to have occupancy sensors.

Plans reference page/section: E111, E112, E113, E141, E161, E162

4. [505.2.1 +] Interior lighting controls. At least one local shutoff lighting control has been provided for every 2,000 square feet of lit floor area and each area enclosed by walls or floor-to-ceiling partitions. The required controls are located within the area served by the controls or are a remote switch that identifies the lights served and indicates their status.

Exception(s):

- Lighting systems serving areas designated as security or emergency areas that must be continuously lighted.
- Lighting in public areas such as concourses, stairways or corridors that are elements of the means of egress with switches that are accessible only to authorized personnel.
- Lighting for warehouses, parking garages or spaces using less than 0.5 watts per square foot.
- Lighting for contiguous, single-tenant retail spaces.

Plans reference page/section: E601

5. [505.2.3 +] Sleeping unit controls. Master switch at entry to hotel/motel guest room.

Plans reference page/section: N/A

6. [505.2.1.1] Egress lighting. Egress illumination is controlled by a combination of listed emergency relay and occupancy sensors to shut off during periods that the building space served by the means of egress is unoccupied.

Exception(s):

- Building exits as defined in Section 1002 of the Oregon Structural Specialty Code.

Plans reference page/section: E601 - Emergency lgt is provided by generator

7. [505.2.2 +] Additional controls. Each area that is required to have a manual control shall have additional controls that meet the requirements of Sections 505.2.2.1 and 505.2.2.2.

Plans reference page/section: E111, E112, E113, E141, E161, E162, E601

8. [505.2.2.1 +] Light reduction controls. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either

- 1) controlling (dimming or multi-level switching) all luminaires; or
- 2) dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps; or
- 3) switching the middle lamp luminaires independently of other lamps; or
- 4) switching each luminaire or each lamp.

Exception(s):

- Only one luminaire in space.
- An occupant-sensing device controls the area.
- The area is a corridor, storeroom, restroom, public lobby or sleeping unit.
- Electrical and mechanical room.
- Areas that use less than 0.6 Watts/sq.ft.

Plans reference page/section: E111, E112, E113, E141, E161, E162

9. [505.2.2.2] Buildings larger than 2,000 square feet are equipped with an automatic control device to shut off lighting in those areas. This automatic control device shall function on either:

- 1) a scheduled basis, using time-of-day, with an independent program schedule that controls the interior lighting in areas that do not exceed 10,000 square feet and are not more than one floor; or
- 2) an occupant sensor that shall turn lighting off within 30 minutes of an occupant leaving a space; or
- 3) a signal from another control or alarm system that indicates the area is unoccupied.

Exception(s):

- Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.

Plans reference page/section: E601

10. [505.2.2] Occupancy sensors in rooms that include daylight zones are required to have Manual ON activation.

E113, E141

Plans reference page/section: \_\_\_\_\_

11. [505.2.2] An occupant sensor control device is installed that automatically turns lighting off within 30 minutes of all occupants leaving a space.

Exception(s):

- Classrooms and lecture halls.
- Conference, meeting and training rooms.
- Employee lunch and break rooms.
- Rooms used for document copying and printing.
- Office spaces up to 300 square feet.
- Restrooms.
- Dressing, fitting and locker rooms.

Plans reference page/section: specifications 260923

12. [505.2.2] Additional controls. An occupant sensor control device that automatically turns lighting off within 30 minutes of all occupants leaving a space or a locally activated switch that automatically turns lighting off within 30 minutes of being activated is installed in all storage and supply rooms up to 1000 square feet.

Plans reference page/section: E111, E113, E131

13. [505.2.2.2.1] Occupant override. Automatic lighting shutoff operating on a time-of-day scheduled basis incorporates an override switching device that: 1) is readily accessible, 2) is located so that a person using the device can see the lights or the area controlled by that switch, or so that the area being lit is annunciated, 3) is manually operated, 4) allows the lighting to remain on for no more than 2 hours when an override is initiated, and 5) controls an area not exceeding 2,000 square feet.

Exception(s):

- In malls and arcades, auditoriums, single-tenant retail spaces, industrial facilities and arenas, where captive-key override is utilized, override time is permitted to exceed 2 hours.
- In malls and arcades, auditoriums, single-tenant retail spaces, industrial facilities and arenas, the area controlled shall not exceed 20,000 square feet.

Plans reference page/section: E601

14. [505.2.2.2.2] Holiday scheduling. Automatic lighting shutoff operating on a time-of-day scheduled basis has an automatic holiday scheduling feature that turns off all loads for at least 24 hours, then resumes the normally scheduled operation.

Exception(s):

- Retail stores and associated malls, restaurants, grocery stores, places of religious worship, theaters and exterior lighting zones.
- Single zone electronic time control devices and self-contained wall box preset lighting controls.

Plans reference page/section: E601

15. [505.2.4 +] Exterior lighting controls. Lighting not designated for dusk-to-dawn operation shall be controlled by either a combination of a photosensor and a time switch, or an astronomical time switch. Lighting designated for dusk-to-dawn operation shall be controlled by an astronomical time switch or photosensor.

Plans reference page/section: E601

16. [505.3] Tandem wiring. The following luminaires located within the same area shall be tandem wired:

1. Fluorescent luminaires equipped with one, three or odd-numbered lamp configurations, that are recess-mounted within 10 feet center-to-center of each other.
2. Fluorescent luminaires equipped with one, three or any odd-numbered lamp configuration, that are pendant- or surface-mounted within 1 foot edge- to-edge of each other.

Exception(s):

- Where electronic high-frequency ballasts are used.
- Luminaires on emergency circuits.
- Luminaires with no available pair in the same area.

Plans reference page/section: E601

17. [505.5.1 +] Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.

Plans reference page/section: N/A

18. [505.7 +] Each dwelling unit in a building is metered separately.

Plans reference page/section: N/A

## Section 5: Compliance Statement

*Compliance Statement:* The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the Oregon Energy Efficiency Specialty Code requirements in COMcheck Version 3.9.0 and to comply with the mandatory requirements in the Requirements Checklist.

Angela Kelly, Electrical  
Name Title  
Hargis Engineers

  
Signature

3/5/12  
Date



COMcheck Software Version 3.9.0  
**Interior Lighting Compliance  
 Certificate**

②

**Oregon Energy Efficiency Specialty Code**

**Section 1: Project Information**

Project Type: **New Construction**

Project Title :

Construction Site:

Owner/Agent:

Designer/Contractor:

**Section 2: Interior Lighting and Power Calculation**

A Area Category	B Floor Area (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts (B x C)
Retail:Sales Area (Ceiling Height 0 ft.)	54334	1.5	81501
Common Space Types:Dining Area - Bar Lounge/Leisure (Ceiling Height 0 ft.)	958	1.4	1341
Warehouse:Medium/Bulky Material Storage (Ceiling Height 0 ft.)	9276	0.81	7514
Common Space Types:Office - Enclosed (Ceiling Height 0 ft.)	2250	0.97	2183
Common Space Types:Electrical/Mechanical (Ceiling Height 0 ft.)	1473	1.24	1827
Common Space Types:Restrooms (Ceiling Height 0 ft.)	461	0.82	378
Common Space Types:Corridor/Transition (Ceiling Height 0 ft.)	791	0.41	324
Common Space Types:Active Storage (Ceiling Height 0 ft.)	1261	0.66	832
Common Space Types:Lobby (Ceiling Height 0 ft.)	1711	1.28	2190
Common Space Types:Classroom/Lecture/Training (Ceiling Height 0 ft.)	503	1.23	619
Common Space Types:Lounge/Recreation (Ceiling Height 0 ft.)	682	1.16	791
Total Allowed Watts =			99499

**Section 3: Interior Lighting Fixture Schedule**

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
<b>Retail:Sales Area (54334 sq.ft.)</b>				
Linear Fluorescent 1: A1: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	2	618	59	36462
Linear Fluorescent 2: A2: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	2	62	59	3658
Linear Fluorescent 3: A6: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	3	3	70	210
Linear Fluorescent 4: V2: 4' Fluorescent Valance / 48" T8 28W (Super T8) / Electronic	1	69	34	2346
Compact Fluorescent 4: W1: 2' Fluorescent Wall Washer / Quad 2-pin 26W / Electronic	1	28	29	812
<b>Common Space Types:Dining Area - Bar Lounge/Leisure (958 sq.ft.)</b>				
Compact Fluorescent 5 copy 1: S7: Fluorescent Pendant / Triple 4-pin 57W / Electronic	1	16	57	912
Track lighting 1: Wattage based on 24.0 feet of track	0	0	0	1200
Compact Fluorescent 6 copy 1: D3: Compact Fluorescent Downlight / Quad 2-pin 26W / Electronic	2	8	54	432
Incandescent 1: S10: Decorative LED Pendant / Other	1	5	7	35
<b>Warehouse:Medium/Bulky Material Storage (9276 sq.ft.)</b>				
Linear Fluorescent 5: B3: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	4	5	92	460
Linear Fluorescent 6: C2: 4' Fluorescent Strip / 48" T8 28W (Super T8) / Electronic	2	10	51	510
Linear Fluorescent 7: C3: 8' Fluorescent Tandem Strip / 48" T8 28W (Super T8) / Electronic	4	100	95	9500
LED 1: C12: 4' LED Wet Location / Other / Electronic	1	20	39	780
<b>Common Space Types:Office - Enclosed (2250 sq.ft.)</b>				
Linear Fluorescent 3: A6: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	3	25	70	1750

12-118474 MW

12-117665 MW

Linear Fluorescent 8: A13: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	2	19	48	912
Linear Fluorescent 9: B2: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	3	3	74	222
Compact Fluorescent 1: D1: Compact Fluorescent Downlight / Quad 4-pin 18W / Electronic	2	1	39	39
Linear Fluorescent 28: B2: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	3	3	64	192
<b>Common Space Types:Electrical/Mechanical (1473 sq.ft.)</b>				
Linear Fluorescent 6: C2: 4' Fluorescent Strip / 48" T8 28W (Super T8) / Electronic	2	12	51	612
Linear Fluorescent 7: C3: 8' Fluorescent Tandem Strip / 48" T8 28W (Super T8) / Electronic	4	2	95	190
<b>Common Space Types:Restrooms (461 sq.ft.)</b>				
Linear Fluorescent 10: B7: 1'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	2	10	43	430
Compact Fluorescent 1: D1: Compact Fluorescent Downlight / Quad 4-pin 18W / Electronic	2	2	39	78
Compact Fluorescent 2: S2: Mirror Light Round / Quad 4-pin 18W / Electronic	2	2	39	78
<b>Common Space Types:Corridor/Transition (791 sq.ft.)</b>				
Linear Fluorescent 3: A6: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	3	1	70	70
Linear Fluorescent 6: C2: 4' Fluorescent Strip / 48" T8 28W (Super T8) / Electronic	2	2	51	102
Linear Fluorescent 7: C3: 8' Fluorescent Tandem Strip / 48" T8 28W (Super T8) / Electronic	4	5	95	475
Linear Fluorescent 7: A1: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	2	3	59	177
<b>Common Space Types:Active Storage (1261 sq.ft.)</b>				
Linear Fluorescent 1: A1: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	2	1	59	59
Linear Fluorescent 6: C2: 4' Fluorescent Strip / 48" T8 28W (Super T8) / Electronic	2	2	51	102
Linear Fluorescent 7: C3: 8' Fluorescent Tandem Strip / 48" T8 28W (Super T8) / Electronic	4	6	95	570
Linear Fluorescent 11: C1: 4' Fluorescent Strip / 48" T8 28W (Super T8) / Electronic	2	1	51	51
Linear Fluorescent 12: B1: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	2	1	54	54
Linear Fluorescent 9: B2: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	3	4	74	296
Linear Fluorescent 28: C11: 4' Fluorescent Wraparound / 48" T8 32W / Electronic	2	2	72	144
<b>Common Space Types:Lobby (1711 sq.ft.)</b>				
Linear Fluorescent 1: A1: 2'x4' Fluorescent Troffer / 48" T8 28W (Super T8) / Electronic	2	4	59	236
Linear Fluorescent 8 copy 2: A13: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	2	2	48	96
<b>Common Space Types:Classroom/Lecture/Training (503 sq.ft.)</b>				
Linear Fluorescent 3: A6: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	3	6	70	420
Linear Fluorescent 8 copy 1: A13: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	2	3	48	144
<b>Common Space Types:Lounge/Recreation (682 sq.ft.)</b>				
Linear Fluorescent 8: A13: 2'x4' Indirect Troffer / 48" T8 28W (Super T8) / Electronic	2	4	48	192
Compact Fluorescent 5: S7: Fluorescent Pendant / Triple 4-pin 57W / Electronic	1	13	57	741
Linear Fluorescent 30: A3: 2'X2' Fluorescent Troffer / 24" T8 17W / Electronic	2	2	43	86
Compact Fluorescent 6: D3: Compact Fluorescent Downlight / Quad 2-pin 26W / Electronic	2	3	54	162
				<b>Total Proposed Watts = 65997</b>

## Section 4: Requirements Checklist

In the following requirements, the relevant code section reference is shown in [ ]. '+' denotes that more details exist in the specified code section. Checkboxes identify requirements that the applicant has not acknowledged as being met. Check marked requirements identify those the applicant acknowledges are met or excepted from compliance. 'Plans reference page/section' identifies where in the plans/specs the requirement can be verified as being satisfied.

### Lighting Wattage:

1. [505.1 +] Total proposed watts must be less than or equal to total allowed watts.  
 Allowed Wattage: 99499 Proposed Wattage: 65997  
 Complies: YES

### Mandatory Requirements:

2. [505.4] Exit signs. Internally illuminated exit signs shall not exceed 5 watts per side.

Plans reference page/section: EL601

3. [505.2.2.3 +] Daylight zone control. All daylight zones are provided with individual controls that control the lights independent of general area lighting in the non-daylight zone. In all individual daylight zones larger than 350 sq.ft., automatic daylight controls is provided. Automatic daylight sensing controls reduce the light output of the controlled luminaires at least 50 percent, and provide an automatic OFF control, while maintaining a uniform level of illumination. Contiguous daylight zones adjacent to vertical fenestration may be

controlled by a single controlling device provided that they do not include zones facing more than two adjacent cardinal orientations (i.e., north, east, south, west). Daylight zones under skylights shall be controlled separately from daylight zones adjacent to vertical fenestration.

Exception(s):

- Retail spaces adjacent to vertical glazing (retail spaces under overhead glazing are not exempt).
- Display, exhibition and specialty lighting
- HID lamps 150 watts or less.
- Spaces required to have occupancy sensors.

Plans reference page/section: E11, E12, E13, E14, E16, E162

4. [505.2.1 +] Interior lighting controls. At least one local shutoff lighting control has been provided for every 2,000 square feet of lit floor area and each area enclosed by walls or floor-to-ceiling partitions. The required controls are located within the area served by the controls or are a remote switch that identifies the lights served and indicates their status.

Exception(s):

- Lighting systems serving areas designated as security or emergency areas that must be continuously lighted.
- Lighting in public areas such as concourses, stairways or corridors that are elements of the means of egress with switches that are accessible only to authorized personnel.
- Lighting for warehouses, parking garages or spaces using less than 0.5 watts per square foot.
- Lighting for contiguous, single-tenant retail spaces.

Plans reference page/section: E601

5. [505.2.3 +] Sleeping unit controls. Master switch at entry to hotel/motel guest room.

Plans reference page/section: N/A

6. [505.2.1.1] Egress lighting. Egress illumination is controlled by a combination of listed emergency relay and occupancy sensors to shut off during periods that the building space served by the means of egress is unoccupied.

Exception(s):

- Building exits as defined in Section 1002 of the Oregon Structural Specialty Code.

Plans reference page/section: E601 - Emergency lgtg is provided by generator

7. [505.2.2 +] Additional controls. Each area that is required to have a manual control shall have additional controls that meet the requirements of Sections 505.2.2.1 and 505.2.2.2.

Plans reference page/section: E11, E12, E13, E14, E16, E162, E601

8. [505.2.2.1 +] Light reduction controls. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either

- 1) controlling (dimming or multi-level switching) all luminaires; or
- 2) dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps; or
- 3) switching the middle lamp luminaires independently of other lamps; or
- 4) switching each luminaire or each lamp.

Exception(s):

- Only one luminaire in space.
- An occupant-sensing device controls the area.
- The area is a corridor, storeroom, restroom, public lobby or sleeping unit.
- Electrical and mechanical room.
- Areas that use less than 0.6 Watts/sq.ft.

Plans reference page/section: E11, E12, E13, E14, E16, E162

9. [505.2.2.2] Buildings larger than 2,000 square feet are equipped with an automatic control device to shut off lighting in those areas. This automatic control device shall function on either:

- 1) a scheduled basis, using time-of-day, with an independent program schedule that controls the interior lighting in areas that do not exceed 10,000 square feet and are not more than one floor; or
- 2) an occupant sensor that shall turn lighting off within 30 minutes of an occupant leaving a space; or
- 3) a signal from another control or alarm system that indicates the area is unoccupied.

Exception(s):

- Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.

Plans reference page/section: E601

10. [505.2.2] Occupancy sensors in rooms that include daylight zones are required to have Manual ON activation.

E13, E14

- Plans reference page/section: \_\_\_\_\_
11. [505.2.2] An occupant sensor control device is installed that automatically turns lighting off within 30 minutes of all occupants leaving a space.  
 Exception(s):  
 Classrooms and lecture halls.  
 Conference, meeting and training rooms.  
 Employee lunch and break rooms.  
 Rooms used for document copying and printing.  
 Office spaces up to 300 square feet.  
 Restrooms.  
 Dressing, fitting and locker rooms.  
 Plans reference page/section: specifications 260923
12. [505.2.2] Additional controls. An occupant sensor control device that automatically turns lighting off within 30 minutes of all occupants leaving a space or a locally activated switch that automatically turns lighting off within 30 minutes of being activated is installed in all storage and supply rooms up to 1000 square feet.  
 Plans reference page/section: E11, E13, E131
13. [505.2.2.2.1] Occupant override. Automatic lighting shutoff operating on a time-of-day scheduled basis incorporates an override switching device that: 1) is readily accessible, 2) is located so that a person using the device can see the lights or the area controlled by that switch, or so that the area being lit is annunciated, 3) is manually operated, 4) allows the lighting to remain on for no more than 2 hours when an override is initiated, and 5) controls an area not exceeding 2,000 square feet.  
 Exception(s):  
 In malls and arcades, auditoriums, single-tenant retail spaces, industrial facilities and arenas, where captive-key override is utilized, override time is permitted to exceed 2 hours.  
 In malls and arcades, auditoriums, single-tenant retail spaces, industrial facilities and arenas, the area controlled shall not exceed 20,000 square feet.  
 Plans reference page/section: E601
14. [505.2.2.2.2] Holiday scheduling. Automatic lighting shutoff operating on a time-of-day scheduled basis has an automatic holiday scheduling feature that turns off all loads for at least 24 hours, then resumes the normally scheduled operation.  
 Exception(s):  
 Retail stores and associated malls, restaurants, grocery stores, places of religious worship, theaters and exterior lighting zones.  
 Single zone electronic time control devices and self-contained wall box preset lighting controls.  
 Plans reference page/section: E601
15. [505.2.4 +] Exterior lighting controls. Lighting not designated for dusk-to-dawn operation shall be controlled by either a combination of a photosensor and a time switch, or an astronomical time switch. Lighting designated for dusk-to-dawn operation shall be controlled by an astronomical time switch or photosensor.  
 Plans reference page/section: E601
16. [505.3] Tandem wiring. The following luminaires located within the same area shall be tandem wired:  
 1. Fluorescent luminaires equipped with one, three or odd-numbered lamp configurations, that are recess-mounted within 10 feet center-to-center of each other.  
 2. Fluorescent luminaires equipped with one, three or any odd-numbered lamp configuration, that are pendant- or surface-mounted within 1 foot edge- to-edge of each other.  
 Exception(s):  
 Where electronic high-frequency ballasts are used.  
 Luminaires on emergency circuits.  
 Luminaires with no available pair in the same area.  
 Plans reference page/section: E601
17. [505.5.1 +] Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.  
 Plans reference page/section: N/A
18. [505.7 +] Each dwelling unit in a building is metered separately.  
 Plans reference page/section: N/A

## Section 5: Compliance Statement

*Compliance Statement:* The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the Oregon Energy Efficiency Specialty Code requirements in COMcheck Version 3.9.0 and to comply with the mandatory requirements in the Requirements Checklist.

<u>Angela Kelly, Electrical</u>	<u></u>	<u>3/5/12</u>
Name Title	Signature	Date
Hargis Engineers		

## Plumbing Checksheet Response

Permit #: 12-117665-000-00-CO

Date: 5/3/2012

Customer name and phone number: Doug Scott (206) 448-3376

*Note:* In the spaces below, please provide specific information concerning the changes that you have made in response to the checksheet. Note the checksheet item number, your response or a description of the revision, and the location of the change on the plans (i.e. page number and/or detail number). Use as many lines as needed. *If the item is not in response to a checksheet, write "Applicant" in the column labeled "Checksheet item number."*

Checksheet item number	Description of changes, corrections, additions, etc.	Location on plans
1	A floor drain is shown	1/P311
2	Expansion tanks have been added to details #11 and 12 on P501	11&12/P501
3	The plans have been revised and flow control device added	3/P311
4	See attached, for approval with conditions	
5	See attached	
Customer	1. Revised details 2 and 3 to reflex existing conditions.	<b>PM01</b>
Customer	1. Revised sheet to clearly identify existing condition, per Targets QAR.	<b>P100</b>
Customer	1. Revised sheet to clearly identify existing condition, per Targets QAR. 2. Revised key notes as applicable to the revised plans.	<b>P111</b>
Customer	1. Revised sheet to clearly identify existing condition, per Targets QAR. 2. Revised key notes as applicable to the revised plans. 3. Added stand pipe drains for draining the VRF units.	<b>P112</b>
Customer	1. Revised sheet to clearly identify existing condition, per Targets QAR. 2. Revised key notes as applicable to the revised plans. 3. Added stand pipe drains for draining the VRF units.	<b>P113</b>
Customer	1. Revised sheet per Targets QAR. 2. Revised condensate design from VRF units. 3. Revised key notes as applicable to the revised plans.	<b>P301</b>
Customer	1. Revised sheet per Targets QAR. 2. Revised condensate design from VRF units.	<b>P311</b>

	<ul style="list-style-type: none"> <li>3. Revised key notes as applicable to the revised plans.</li> <li>4. Revised sanitary waste piping due to existing conditions.</li> </ul>	
Customer	<ul style="list-style-type: none"> <li>1. Revised sheet per Targets QAR.</li> <li>2. Revised condensate design from VRF units.</li> <li>3. Revised Vacuum Condensate Pump size to a smaller unit.</li> <li>4. Revised key notes as applicable to the revised plans.</li> </ul>	<b>P321</b>
Customer	<ul style="list-style-type: none"> <li>1. Revised Vacuum condensate design.</li> <li>2. Revised key notes as applicable to the revised plans.</li> </ul>	<b>P411</b>
Customer	<ul style="list-style-type: none"> <li>1. Revised Vacuum condensate design.</li> <li>2. Revised key notes as applicable to the revised plans.</li> </ul>	<b>P412</b>
Customer	<ul style="list-style-type: none"> <li>1. Revised Vacuum condensate design.</li> <li>2. Revised key notes as applicable to the revised plans.</li> </ul>	<b>P413</b>
Customer	<ul style="list-style-type: none"> <li>1. Revised Vacuum condensate design.</li> <li>2. Revised key notes as applicable to the revised plans.</li> </ul>	<b>P414</b>
Customer	<ul style="list-style-type: none"> <li>1. Revised Vacuum condensate details.</li> </ul>	<b>P421</b>
Customer	<ul style="list-style-type: none"> <li>1. Revised water filter detail.</li> </ul>	<b>P501</b>
Customer	<ul style="list-style-type: none"> <li>1. Revised CV-1 condensate pump size.</li> <li>2. Revised GI-01 grease trap size.</li> </ul>	<b>P601</b>



# Oregon

John A. Kitzhaber, MD, Governor

Department of Agriculture  
635 Capitol St NE  
Salem, OR 97301-2532



April 24, 2012

Laura Shen, Architect  
Associate | LEED® AP  
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Phone: 510 865 8663  
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Target:  
[Mary.Shaffer@Target.com](mailto:Mary.Shaffer@Target.com)  
Phone: Mary Shaffer: 612-761-9161

**RE: Target # 2791  
Galleria  
921 SW Morrison Street  
Portland, Oregon 97205  
Inspector: LZ  
Establishment: New  
County: Mult  
Revised: 4/10/2012  
Projected start date: June 2012  
Projected date for completion: March 2013  
Building Permit: Application #12-117665-000-00-CO (City of Portland)  
Days and Hours of Operation: \_7 days / 8 AM – 10 PM  
Total square feet of facility: \_\_74,895 SF (Target only)**

**Subject: New Plan Review Approval + Starbucks**

Dear Ms. Shen,

Thank you for giving me the opportunity to review and comment on new Target's plan. The submitted revised plan for Target # 2791 is located in Portland, Oregon. Based on our conversations, response letter dated April 10, 11, 20, and 23, 2012 and prior e-mails of expectations, the plan for the following store is approved. **Please send me the final revised (PDF) plan with the list of changes we have discussed by email to make this process complete.**





# Oregon

John A. Kitzhaber, MD, Governor

Department of Agriculture

635 Capitol St NE  
Salem, OR 97301-2532



It appears from the plans that the facility meets the minimum requirements of ORS 616 and applicable rules for a retail food establishment.

A site inspection of the establishment with equipment in place and operational will be necessary to determine if it complies with the food law and regulations. Our main website is <http://www.oregon.gov/ODA/FSD/>

**The plan is approved contingent upon the following items being satisfactorily addressed during construction and verified by our inspector during the final site inspection:**

1. All drains are easily accessible and cleanable under all cases in the Starbucks, walk-in coolers, and display cases in the store. All conduits drain lines, and floor drains are screened to prevent rodent entry (OAR 603- 025-0030 § 6-501.111).
2. **Hot water (minimum 100°F) should be available at all handsinks, and hot water (minimum 110°F) at the ware-washing sink (OAR 603- 025-0030- Section (§) 5-202.12).**
3. **Ceiling over the ware washing and storage areas shall be smooth and easily cleanable in the Starbucks section (OAR 603- 025-0030 § 6-201.11).**
4. **All doors should be tight fitting and not allow rodent entry (OAR 603-025-0020 (5) and (11)).**
5. All lights need to be covered or shatter proof in the ware washing area, food service, produce areas, and exposed food (OAR 603- 025-0030- § 6-202.11).
6. **The floor-mounted equipment that is not easily moveable shall be sealed to the floor such as, service cases (OAR 603-025-0030 § 4-402.12).**

The wall, floor around the compactor's door and dumpster should be smooth and easily cleanable. The floor inside the walk-in coolers and ware washing area will be sealed properly (603-25-0030 § 6-201.11).

7. Mops shall be placed in a position that allows them to air dry without soiling walls and equipment (OAR 603- 025-0030-§ 6-501.114). **Please install mop hangers over the mop sink area with washable wall.**
8. All refrigerated food display cases; food storage refrigerators and walk-in coolers shall be equipped with an accurate, visible thermometer located **in the warmest storage areas**. Frozen food shall be kept frozen and shall be stored in storage or display facilities capable of maintaining and having **an air temperature of 0°F**. or below, except during defrost cycles and brief periods of loading or unloading. **Refrigerated food display**

regon

tzhaber, MD, Governor

Department of Agriculture

635 Capitol St NE

Salem, OR 97301-2532



**at a copy of this letter be provided to the Store Manager or the Person in  
ore, and Construction Manager before our final site and operation visit.  
least two weeks before the final site and operational inspection.**

**isa Zaversnuke at 503-245-1602 at least two weeks before the final site**

forward to see a clean operation, well-trained employees, and knowledgeable

*udbeh-Evans*

ty Specialist, R.S.

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[state.or.us](http://state.or.us)





# Oregon

John A. Kitzhaber, MD, Governor



# O

John A. K

**cases shall not be filled above the**

- 9. **The chemical dispensers for wa approved by the plumbing inspect the copy of the final plumbing and for final use from the city or coun**
- 10. One compartment sink will be provi contact surfaces such as, plastic tul 0030-§ 5).
- 11. The permit holder shall be the person shall ensure that a person in charge is of operation, and the permit holder sl knowledge of food safety issues for a charge (PIC) and employees are well (12-13) <http://arcweb.sos.state.or.us/> and OAR 603-025-0030 § 2-101.11, : **this section <http://www.oregon.gov/>**
- 12. **The Person In Charge (PIC) must c correctly answering questions from protection manager-training progr and #3 of the Oregon Food Code. T [www.oregon.gov/ODA/FSD/reg\\_fc\\_](http://www.oregon.gov/ODA/FSD/reg_fc_)**

**The person in charge (PIC) and emp trained in food safety issues. Ensure have air thermometers (OAR 603-02 handsinks are being used and have s 603-025-0030 § 5-202.12). Employee contact surfaces (OAR 603-025-0030 cooking, cooling, reheating, cold and**

The list of food safety manager training in Ore, **<http://public.health.oregon.gov/HealthyEnvi>** Another benefit of food managers' training is th Person In Charge (PIC) will meet the Demonstr Food Code.

You may find the following website also is help procedures. The website is **<http://public.health.oregon.gov/HealthyEnvi>**

**It is important th Charge of this st Please call me at**

**Please call Ms. L inspection.**

We are looking fo managers.

Sincerely yours,

*Maryam Sha*

Retail Food Safe Food Safety Divi Phone: 503-697- mshadbeh@oda.



# Mechanical Checksheet Response

Permit #: 12-118474-000-00-MT

Date: 5-3-12

Customer name and phone number: Doug Scott (206) 448-3376

Note: Please number each change in the '#' column. Use as many lines as necessary to describe your changes. Indicate which reviewer's checksheet you are responding to and the item your change addresses. If the item is not in response to a checksheet, write **customer** in the last column.

#	Description of changes, revisions, additions, etc.	Checksheet and item #
1.	The listed items will be installed in the developers phase. See submittal by KPFF Consulting Engineers under Permit Application 11-202090-000-00-CO for details and calculations.	
Customer	1. Revised details 2 and 3 to reflex existing conditions.	<b>PM01</b>
Customer	1. Revised the condensate piping from the VRF units. 2. Revised key notes as applicable to the revised plans.	<b>M111</b>
Customer	1. Revised the condensate piping from the VRF units. 2. Revised key notes as applicable to the revised plans.	<b>M112</b>
Customer	1. Revised the condensate piping from the VRF units. 2. Revised key notes as applicable to the revised plans.	<b>M113</b>
Customer	1. Revised the condensate piping from the VRF units. 2. Revised key notes as applicable to the revised plans.	<b>M301</b>
Customer	1. Revised the condensate piping from the VRF units. 2. Revised key notes as applicable to the revised plans.	<b>M321</b>
Customer	1. Added duct sizes.	<b>M401</b>
Customer	1. Added condensate piping connection detail from VRF units.	<b>M501</b>
Customer	1. Revised the condensate pump information in VRF schedule. 2. Added port ball valves to the BC controllers.	<b>M601</b>

(for office use only)

## Life Safety Checksheet Response

Permit #: 12-117665-000-00-CO

Date: 5/10/2012

Customer name and phone number: **Laura Shen / MBH Architects (510) 865-8663**

*Note:* In the spaces below, please provide specific information concerning the changes that you have made in response to the checksheet. Note the checksheet item number, your response or a description of the revision, and the location of the change on the plans (i.e. page number and/or detail number). Use as many lines as needed. *If the item is not in response to a checksheet, write "Applicant" in the column labeled "Checksheet item number."*

Checksheet item number	Description of changes, corrections, additions, etc.	Location on plans
1.	a. Building Code Summary table added.	G001 - Table Added
	b. Please refer to Elevation on 1/A621 for aluminum storefront elevations with dimensions of frame spacing, and glass type. Detail callouts added. Frame type is aluminum as noted on details.	1/A621
	c. On door schedule A611 for door 101 & 101.1, Sheet A622 has been revised to be on A621. Please refer to new details 3,4,8,9 / A621 added.	A611 Door schedule 1,3,4,8,9/A621
2.	a. Fire stopping has been removed from deferred submittal list on cover sheet. Fire stopping is included in original permit specification under section 07 8400.	G001
	b. Fire Alarm and Sprinkler has been added under Separate Permit list.	G001
	c. Suspended ceilings, handrails, and guardrails have been added under Deferred Submittal list.	G001
3.	a. Room 337 & 338 revised to occupancy classification A3.	A023 - Occupant Load Table
	b. Room 101A, 101B, 121 revised to occupancy classification A2	A021 - Occupant Load Table
	c. Stockrooms, fitting room storage, janitor, and bag storage, electrical, back of house coolers and freezers, fixture storage, elevator machine room, vacuum pump room have been revised to occupancy classification S1. Note that perimeter unoccupied areas are non-occupied spaces; however, they have been added to occupancy load Table with S1 occupancy as suggested on Plan Review Comments.	A021 - A023
	d. Room 147 revised to occupancy classification S2	A021
	e. Room 365 name has been revised to "Team Member Storage / Lockers" to be consistent with Architectural & FW1-3 sheets.	A023

4a	1. Level 1 walls at Grid B.1 between 8.2-9 & @ grid 8.2 between grid B&C are <b>existing</b> 1-hr fire rated wall system (UL#U465) provided by developer/shell architect based on their drawing. We have added the dashed line on our drawing and wall legend to indicate that this wall is an (E) 1-hr rated fire barrier.	A111 - plan & wall legend 1/A311 - plan & wall legend 8/A705 – plan
	2. Level 2 wall @ grid A-B south of grid 9 has been revised to be a 1-hr rated wall system. See sheet A501 for wall type and UL #.	A112 – plan & wall legend A501 – Wall type with UL #
4b	b. Added note on 2 <sup>nd</sup> floor fire protection plan sheet F112 and Reflected Ceiling Plan sheet A132 to “provide sprinklers @ 6’-0” o.c. both sides of glass between 4 & 12” from face of glass”, as Sprinkler will be part of a deferred submittal.	F112 & A132
5.	a. Wall types P9, P11, P18, P25 are to remain, and shall use fire retardant treated plywood. See added general note ‘G’ on sheet A501 wall types.	A501 – General note ‘G’
	b. Revised wood call out on 2/A142 to be “fire retardant treated wood”. Added general note ‘K’ on sheet A111, A112, A113 that “all wood shall be fire retardant treated wood”. This note is also on sheet A501 wall type sheet under general note ‘G’. Glass shall be install in gasket as noted in specification section 08 4100 Under Aluminum Framing System section 2.5B Glazing Gasket.	2/A142 A111, A112, A113 – General note ‘K’.
6.	a. Wall legend and hatch/dash line added on plan to reflect both (E) & (N) fire ratings. This includes stair enclosures, shafts, emergency generator room, and main electrical room.	A021 – A023
	b1. Please refer to dimensions and Calculation on sheet A022 (located below the plan) for demonstration that the opening between 1 <sup>st</sup> and 2 <sup>nd</sup> floor by lobby 101 is less than the twice horizontal projected area of the escalator & Stairway.	A022
	b2. Draft curtain added at perimeter of escalators between 1 <sup>st</sup> & 2 <sup>nd</sup> floor located on 2 <sup>nd</sup> floor ceiling along grid 7.5 & grid C. Please refer to Reflected ceiling plan on A132 with new detail call outs. Added detail 14, 15, & 16/A705 for draft curtain detail and condition.	A132 Detail 14, 15, 16/A705
	c. 2 hour rated fire barrier provided at perimeter of generator room. 2-hr rated Hatch added along walls, door 143 revised to be rated door.	A111, A361, A501
	d. New fire rated wall P3FX & P37FX with its respective UL#, fire rating, and gyp. bd thickness has been identified within Wall type on sheet A501.	A501
7.	a. Backing behind finished wood on detail 11 -12 /A503 has been revised to be Fire Retardant Treated wood.	11, 12/A503
	b. Backing behind finished wood on detail 3/A504 has been revised to be Fire Retardant Treated wood.	3/A504
8.	a. Added Unoccupied level 1-3 perimeter display areas onto Occupant Load table with 500 sf/occ. Occupant load in Room 203a, and 212 revised to use 500 sf/occ.	A021 - A023

	b. Occupant Load in Rooms 101A & 101B revised to use 15 sf/occ	A021 – Occupant Load Table
9.	Door Exit Key Table has been revised to show the updated capacity of occupant and actual exit door width requirements. Door width and door numbers added on table for clarity. Stair exit key Table revised as well with the updated capacity of occupant load.	A021 – A023 Door Exit Key & Stair Exit Key
10.	a. Egress Lighting has been coordinated with Electrical based on Electrical sheets E111-E113.	E111 – E113
	b. Fixtures, casework, and aisles are now shown on level 2 & 3. Equipment, casework fixtures, and seating layout of coffee shop are now shown on Level 1 on the life safety sheets (A021-A023)	A021 – A023
	c1. Added General Note 'G' on the life safety sheets (A021-A023) "Provide egress lighting across entire width of egress path, minimum light level 1 foot candle as measured at floor level".	A021 – A023 – General Notes
	c2. Electrical Engineer has reviewed the drawing and made changes as necessary to provide minimum light level of 1 foot candle measured at floor level throughout the Level 1 coffee shop/sales area. Please refer to Electrical sheet E131. Emergency lighting are shown in solid hatch.	A021 – A023
	c3. Please refer to Electrical sheet E111 for egress lighting in Receiving Area. Electrical Engineer has reviewed the drawing and made changes as necessary to provide minimum light level of 1 foot candle measured at floor level. Emergency lighting is shown in solid hatch.	E111
	c4. Please refer to A022 – A023 for aisles/egress path. We've coordinated with Electrical engineer to provide egress lighting with minimum 1 foot candle on the aisles/egress path. Please refer to Electrical sheet for egress lighting for aisles/egress path on levels 2 & 3.	E112 – E113
	c5. Please refer to Electrical sheet for egress lighting for level 3 rooms 337, 359, 365.	E141
11.	a. Door numbers leading to stairs and main egress exits has been added onto the exit diagram/plan on A021 – A023. For clarity, the Door Exit Key Table on the same sheets has been revised to include door numbers and door width as suggested.	A021 - A023
	b1. For purposes of this project, the doors noted are going into unoccupied spaces and are regulated by OSSC Section 1209: Access to Unoccupied Spaces. The doors comply with this section, which states openings are to be minimum 20"x30".	Approved per Administrative Appeal ID 8399 dated 5/2/12
	b2. Door 380 through 383 are doors to the walk-in freezer and coolers, which are pieces of equipment, not occupied spaces, and therefore do not fall under OSSC 1008 as a means of egress. As freezer/cooler doors lead into pieces of equipment (not occupied spaces), accessibility requirements typically intended for occupied spaces are not applicable.	Exhibit 4 – Door Opening Force documentation from Kysor Panel Systems. Approved per Administrative Appeal ID 8399 dated 5/2/12
	b3. Door 101 leaf sizes will be (4) 3'-6" to fit within 14'-0" opening. Please refer to attached cut sheet for a prototypical door.	Exhibit 1 – door 101 cut sheet

	b4. Panic devices will be provided for door 338, 365, and 359. Door hardware has been revised on door schedule on sheet A611. Door 338 and 359 will use hardware group N-124, while door 338 will use hardware group 73.	A611 – Door schedule Exhibit 2 – Spec sect. 08 7100
	b5. For Aluminum glass system above door 101 & 101.1, please refer to specification section 08 4100 Under Aluminum Framing System section 2.5B Glazing Gasket. See Exhibit 1 for Automatic sliding entrance door 101 showing gasket. Joints between aluminum framing system and surrounding construction will be sealed see spec section 07 9200. Door 101 is an automatic sliding door with breakaway doors during emergency, see spec section 08 4230 hardware group 1. Hardware group 101 for Door 101.1 is located under spec section 04 4100 Aluminum Framing System. Door 101.1 has a closer. Door 146 will be provided with closers. Smoke gasket shall be provided per door scheduled fire ratings, and specification section 08 1113 that fire rated doors, install smoke control in accordance to NFPA 105.	Exhibit 1 – door 101 cut sheet
	b6. Fire rating for door 146 has been revised to 90 minutes door/frame assembly.	A611 – Door schedule
	b7. Hasp and padlock have been removed from this door.	A611 – Door schedule and Spec Section 08 7100.
	b8. Door 125 is between coffee sales & coffee storage, we have added the previously missing door tag on sheet A111. Door 209 is the men's restroom door; the previously missing door tag on sheet A112 has been added. Door 225 is supposed to be an access panel door 300.2. Sheet A113 has been revised to show the proper access panel door number (300.2) which is by grid 2 and J. Door 225 has been revised to be door 300.2 in door schedule on sheet A611. Fitting room doors are included as an owner furnished fixture system. Please find attached cut sheet for your reference.	A111 A112 A113 A611 – Door schedule Exhibit 3 – Fitting room fixture cutsheet
	b9. Hardware group 91 is a courtesy note referencing that door, frame and hardware is a set that is provided by manufacturer. This is the same for Traffic doors (TD) or freezer cooler doors where manufacturer is providing the Freezer Cooler as a single equipment/fixture unit. Please see exhibit attached freezer/cooler shop drawing by for another project for your reference only of details & hardware information. Details of hardware are prototypical for Target Freezer/Cooler.	Exhibit 4
	b10 Door swing has been reversed for Door 338 and 359 to swing in the direction of egress.	A611
	b11 Door size has been revised for door schedule for door 337 to match plan. Added dimension of door opening on enlarged plan sheet A331.	A331 A611
	b12. Door 101 has Hardware group 1, which can be found under specification Section 08 4230 Automatic Sliding Entrance Doors. Door 311 is a ceiling access panel, which can be found under	A611 – Door schedule Exhibit 2 – Spec section 08 7100

	specification section 08 1113 (acceptable manufacturer) & 08 7100 (cylinder lock). Added spec section 08 1113 under opening schedule note #24, which is referenced on Door Schedule Door 311. See attached Exhibit for acceptable access panel, for your reference only.	Exhibit 5 – Cut sheet for acceptable access panel door 311.
	b13. Please refer to added note on Specification section 08 7100 under Door hardware group 68 that use of keypad is from the outside of room, and exit from turning door lever. This means door is always open able from the egress side. Door hardware group 69 is not used for this project has been deleted from specification,	Exhibit 2 – Spec sect. 08 7100
	b14. Thresholds are provided for Door 101 & 101.1. Please refer to threshold detail 9/A621 for door 101. Refer to threshold detail 13/A621 for door 101.1.	A621
	d. Please refer to detail 3/A332 for maneuvering clearances at door 210.1. The Cash drop box has been reversed/moved to cash office. This allows the 60" by 60" clear maneuvering clearances around door 210.1, which provide 18" on pull side of door 210.1.	3/A332
12.	Exit signs have been coordinated with Electrical. Please refer to Architectural RCP and Electrical sheets.	A131 – A132 E111 – E113, E131, E141
13.	a. Stair Handrails are provided on both sides of stairs on Level 1 stairs @ grid 6.5 & B. Handrail dimensions and extensions added to plan on 3/A311, and elevation on 4/A311	3/A311 4/A311
	b. Stair Handrails are provided on both sides of stairs on Level 1 stairs @ grid B.2 & 9. Handrail dimensions and extensions added to section 1/A706, and elevation on 5/A305.	1/A706 5/A305
14.	a. Fixtures and seating located in coffee shop/mercantile. Two exiting arrow/path shown on A021.	A021
	b. Furniture, fixtures, and equipment are shown in room 337, 359, and 365 on Sheet A023. Exiting arrow/pathway added.	A023
	c. Administrative appeal (Appeal ID 8270) was granted for Level 1 egress from truck dock area (147) through the stockroom (150) and out to the building lobby. This is an appeal for OSSC Section 1014.2: Egress Through Intervening Spaces. See A021 for two exit path/arrow from stockroom.	Appeal ID: 8270
15.	a-b. On Level 2 and 3, added note "Provide 3'-0" wide accessible aisles through all fixed sale and display areas". Per our phone conversation on 4/09/2012, the note would cover the additional dimensions requested. This note is located on the floor plan by grid F-G.	A022 A023
16.	a. Top and bottom of ramp landing have been dimensioned. Railings are shown on both sides of ramp with dimensions of rail extensions shown on plan detail 3/A311. Accessibility details of railings and ramp can be found on 1/A011 and 2/A011.	3/A311
17.	a. 5'-0" diameter turning circle and bench have been added to the Team Member Storage/Locker Room # 365. There are about 39 sets of fully assembled lockers. Please review attached Exhibit for locker cut sheet. Each locker set has 6 tier box lockers. 3 out of 6 of locker tier boxes are within 18"-54" of accessible reach, and therefore 50% of the total lockers are within accessible	A023 Exhibit 6 – Locker Cutsheet

	reach (exceeding code requirement of >5%).	
	b. Please refer to added reference tag 9/A011 on A022 for accessible fitting room Accessibility requirements. Door width, bench, turning circle requirements are shown on 9/A011. Fitting room assembly is an owner furnished Fixture which includes wall panels, door panels, benches, and mirror. Please refer to attached Exhibit for a typical Fitting room fixture cut sheet, for your reference.	A022 9/A011 Exhibit 3 – Fitting room fixture cut sheet (similar, for reference only)
	c. Per OSSC 1109.18, “The tops of tables shall be not less than 28 inches or more than 34”. The entire length of fixed seating counter on Level 1 has been revised to 30” high.	Exhibit 10 – Seating counter cut sheets
18.	a. Added Note on A021 for Starbucks accessible counter, to refer to detail 9/A013. Please find attached Exhibit for your reference. Added Note on A022 to refer to detail 10/A013 for Pharmacy counter. Both Starbucks and Pharmacy counter/fixture are owner/Target furnished fixtures. Details and cut sheet have been provided to note accessibility requirement. Due to this store being a unique non prototype store, there will be field revision to the pharmacy fixture configuration to fit within the existing proposed space. Accessibility features will remain.	Exhibit 7 – Starbucks cutsheet  Exhibit 8 – Pharmacy counter cutsheets
	b. Added Note on A022 to refer to sheet 8/A013 for check lane accessibility requirements. Check lanes are owner furnished item, and will comply with accessibility as required. Please find attached Exhibit for a general check lane fixture for your reference.	Exhibit 9 – Checklane fixture (similar)
19.	Plumbing fixture calculations: a. On Level 1, rooms 101a, 101b, and 121 has been added to Assembly occupant using 30 sf/occ load factor. Basic requirement for total male & female occupants have been revised per updated occupant.	A112 – Plumbing Fixture Calculations
	b. 5000 SF has been used for level 1 dock and storage.	
20.	Entrance on Level 1 SW Entry is not part of Target T1 scope. In any case, vestibule is not required per OEESC 502.4.6 Vestibule Exceptions 3. “Doors that open directly from a space less than 3000 square feet in area”. The lobby area (including rooms 101A, 121, 120, 126,101B, and elevators) directly open to the entry is only 2780 square feet. Note with areas and code section as describe above has been added on the bottom left hand corner of sheet A021.	A021
Applicant-initiated revisions:		
Applicant	Adjusted partition locations and column furring; added patching note.	A112
Applicant	Adjusted partition locations and column furring; added patching note.	A113
Applicant	Adjusted wall covering height and finishes.	A121
Applicant	Adjusted finishes.	A122
Applicant	Adjusted wall finishes and base; added window film at stockroom.	A123
Applicant	Adjusted extent of blocking.	A125
Applicant	Adjusted extent of blocking.	A126
Applicant	Adjusted extent of blocking.	A127
Applicant	Added access panel and noted 2-hour penetration.	A131
Applicant	Noted 2-hour penetration.	A132

Applicant	Noted 2-hour penetration	A133
Applicant	Added pipe box detail reference and pipe support detail reference.	A141
Applicant	Added pipe support and pipe box details.	A142
Applicant	Added shade reference and finish notes.	A212
Applicant	Added finish and fixture references.	A213
Applicant	Added finish and fixture references.	A214
Applicant	Updated wall finish information added internally lit logo sign.	A301
Applicant	Added partition tags.	A302
Applicant	Adjusted drinking fountains.	A307
Applicant	Adjusted partition locations and added furring at Coffee Storage; added bulkhead detail 1/A311.	A311
Applicant	Updated interior elevations.	A312
Applicant	Added finish notes.	A331
Applicant	Added wall base and finish notes.	A331
Applicant	Added window shade and finish notes.	A332
Applicant	Updated fitting room lighting, adjusted partition layout.	A341
Applicant	Added 1-compartment sink, detail references, notes, and dimensions.	A351
Applicant	Updated recessed slab details.	A352
Applicant	Updated notes, finishes, and trash compactor details.	A361
Applicant	Updated details and partition types.	A501
Applicant	Updated interior finish details.	A502
Applicant	Added note at ceiling detail.	A503
Applicant	Added detail for internally lit logo sign and revised detail for window sill at lobby.	A504
Applicant	Updated Room Finish schedule.	A601
Applicant	Updated schedule notes and dimensions at details.	A611
Applicant	Added internally lit logo sign.	A621
Applicant	Added sheet to document backpainted glass wall treatment at lobbies.	A622
Applicant	Adjusted notes at interior elevations.	A701
Applicant	Adjusted notes at interior elevations.	A702
Applicant	Adjusted notes at interior elevations.	A703
Applicant	Adjusted notes at interior elevations.	A704
Applicant	Adjusted dimensions at column furring.	A705
Applicant	Added tactile strips at stair details.	A706

Plan Bin Location: AX1-1

## Structural Checksheet Response

Permit #: 12-117665-000-00-CO

Date: May 4, 2012

Customer name and phone number: Mike Steenson (651) 251-7570

Note: Please number each change in the '#' column. Use as many lines as necessary to describe your changes. Indicate which reviewer's checksheet you are responding to and the item your change addresses. If the item is not in response to a checksheet, write **customer** in the last column.

#	Description of changes, revisions, additions, etc.	Checksheet and item #
1	See attached.	Structural #1
2	Acknowledged.	Structural #2
3	See response by KPFF Consulting Engineers under Permit Application 11-202090-000-00-CO.	Structural #3
4	S112: <ol style="list-style-type: none"> <li>1. Moved bike lift location</li> <li>2. Added notes 'I' and 'J' to "General Framing Plan Notes".</li> </ol>	Customer
5	S113: <ol style="list-style-type: none"> <li>1. Adjusted mechanical opening through floor near Grid 8 and B.</li> <li>2. Provided additional support for mechanical unit near Grids C and 3.</li> <li>3. Added note regarding mechanical penetration through existing elevator shaft wall near Grids 7 and I.</li> <li>4. Added notes 'J' and 'K' to "General Framing Plan Notes".</li> </ol>	Customer
6	S114: <ol style="list-style-type: none"> <li>1. Indicating additional mechanical unit and support between Grids E and F, 8 and 9.</li> <li>2. Added notes 'I' and 'H' to "General Framing Plan Notes".</li> </ol>	Customer
7	S115: <ol style="list-style-type: none"> <li>1. Added partial plan 3/S115 for new topping on first floor.</li> </ol>	Customer
8	S141: <ol style="list-style-type: none"> <li>1. Specified clip angle attachment of stud track to column.</li> <li>2. Revised detail 9/S141 to reflect new bike lift support condition.</li> <li>3. Indicating stud size and spacing in detail 11/S141.</li> <li>4. Added clarification note in detail 15/S141.</li> <li>5. Revised lintel angle at opening in detail 16/S141.</li> <li>6. Relocated storefront support framing to be centered on existing column in details 17/S141 and 18/S141.</li> <li>7. Clarified to remove and patch existing concrete in detail 21/S141.</li> </ol>	Customer

(for office use only)



CITY OF PORTLAND, OREGON – BUREAU OF DEVELOPMENT SERVICES

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Structural Special Inspection and Observation Program Checksheet

The registered design professional in responsible charge shall prepare and submit a special inspection and structural observation program in accordance with IBC Sections 1704.1.1, 1705.2, and 106.3.4.1, and confirm that the special inspection and structural observations noted below are indicated on the drawings.

~ Please Note that separate Soils and Life Safety Inspection Checksheets may also be required ~

Instructions – Parts D and E of this Checksheet must be fully completed by the Owner (or Architect or Engineer acting as the owner’s agent) in order to obtain your permit.

When complete, return this form to BDS Permitting Services. You may return it in person at 1900 SW 4th Ave, by fax to (503) 823-4172, or by email to specialinspectionsforms@portlandoregon.gov.

Table with application details: Application #, Project Name, Site Address, Architect of Record (Firm), Engineer of Record (Firm), Date, Phone #.

The following special inspections and structural observations shall be performed according to the State Building Code and City of Portland Special Inspection Program Administrative Rules unless a program of inspections is submitted by the Engineer of Record and approved by Bureau of Development Services.

A. REQUIRED SPECIAL INSPECTIONS FOR ALL BUILDING TYPES

- Checkboxes for Steel Construction, Concrete Construction, Anchors – Adhesive, Wood Construction, etc.

B. REQUIRED SPECIAL INSPECTIONS FOR CATEGORY III AND IV BUILDINGS (In addition to those noted above.)

- Checkboxes for Seismic Force Resist. System, Storage Racks, Access Floors, Suspended Ceilings, etc.

C. STRUCTURAL OBSERVATION

Required (The stages of construction at which structural observation is to occur shall be indicated on the drawings.)

D. APPROVED SPECIAL INSPECTOR OR INSPECTION AGENCY (To be completed by the applicant.)

5-10-12 NOTE: Selection of special inspection agency is in progress and will be completed before permit issue. Indicate the City approved special inspector or special inspection agency to perform the required special inspections noted in parts A. and B. above:

- Checkboxes for Carlson Testing, Northwest Geotech, PSI, Mayes Testing, Inc., Clair Company, Krazan & Assoc., ACS.

E. To be completed by the applicant.

By completing Part E the project owner (or the Architect or Engineer acting as the Owner’s Agent) hereby agrees to employ the special inspector or inspection agency and/or engineer of record for the above noted special inspections and/or structural observations. (Contractors are NOT authorized to agree for the Owner.)

Print Name (Project Owner or the Architect or Engineer acting as the Owner’s Agent) Date

Firm Target Corporation Phone 612-761-6063

The project owner shall provide a copy of this checksheet to the special inspection agency and engineer of record. Plans Examiner: Eric Thomas

APPLICANT – COMPLETE PARTS D & E



# 12-117665 CO



**Building Permit Application**  
**City of Portland, Oregon - Bureau of Development Services**  
 1900 SW 4th Avenue, Portland, Oregon 97201 • 503-823-7310 • TTY 503-823-6868 • www.portlandoregon.gov/bds

**Type of work**

New construction       Addition/alteration/replacement  
 Demolition       Other: **Tenant Improvement**

**Category of construction**

1 & 2 family dwelling       Commercial/industrial       Accessory building  
 Multifamily       Master builder       Other:

**Job site information and location**

Job no.: \_\_\_\_\_ Job address: **921 SW Morrison St.**  
 City/State/ZIP: **Portland OR 97205**  
 Suite/bldg./apt. no.: \_\_\_\_\_ Project name: **T-2791 Target Galleria**  
 Cross street/directions to job site: **Corner of SW Morrison @ 10th Ave.**  
 Subdivision: \_\_\_\_\_ Lot no. \_\_\_\_\_ Tax map/parcel no. \_\_\_\_\_

**Description of work**

**Tenant improvements for new Target retail store. Entry, coffee sales and stockroom at 1st floor; sales, offices, and stockrooms at 2nd & 3rd floors.**

Reference RS / Combination      Permit no. \_\_\_\_\_

**Property owner**       **Tenant**

Name: **Target Corporation/Mary Shaffer**  
 Address: **50 S. 10th St. Suite 400**  
 City/State/ZIP: **Minneapolis MN 55403**  
 Phone: **612 761 9161**      FAX: **612 761 5041**

**Owner installation:** This installation is being made on property that I own, which is not intended for sale, lease, rent, or exchange.  
 Owner signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Contractor**

Business name: **Skanska USA Building**  
 Address: **222 SW Columbia St. Suite 300**  
 City/State/ZIP: **Portland OR 97201**  
 Phone: **503 382 0911**      FAX: **503 382 0901**  
 CCB lic. no. \_\_\_\_\_

Authorized signature: \_\_\_\_\_  
 Print name: \_\_\_\_\_ Date: \_\_\_\_\_

**Applicant**       **Contact Person**

Business name: **DH Architects**  
 Contact name: **Laura Shen**  
 Address: **2470 Mariner Sq. Loop**  
 City/State/ZIP: **Alameda CA 94501**  
 Phone: **510 865 8663**      FAX: **510 865 1611**  
 E-mail: **Lauras@mbharch.com**

Authorized signature: \_\_\_\_\_  
 Print name: **Laura Shen**      Date: **3/8/12**

This permit application expires if a permit is not obtained within 180 days after it has been accepted as complete.

**Office Use Only**

Permit no.: \_\_\_\_\_  
 Date received: \_\_\_\_\_  
 By: \_\_\_\_\_

**Required Data: One and Two Family Dwelling**

Permit fees\* are based on the value of the work performed. Indicate the value (rounded to the nearest dollar) of all equipment, materials, labor, overhead, and the profit for the work indicated on this application.

Valuation:	
Number of bedrooms:	
Number of bathrooms:	
Total number of floors:	
New dwelling area:	square feet
Garage/carport area:	square feet
Covered porch area:	square feet
Deck area:	square feet
Other structure area:	square feet

**Required Data: Commercial Use**

Permit fees\* are based on the value of the work performed. Indicate the value (rounded to the nearest dollar) of all equipment, materials, labor, overhead, and the profit for the work indicated on this application. **\$8,500,000**

Valuation:	<b>\$8.5 Million</b>
Existing building area:	square feet
New building area:	square feet
Number of stories:	
Type of construction:	<b>I-B</b>
Occupancy groups	
Existing:	
New:	<b>M, S, B, X2</b>

**Notice**

All contractors and subcontractors are required to be licensed with the Oregon Construction Contractors Board under ORS 701 and may be required to be licensed in the jurisdiction in which work is being performed. If the applicant is exempt from licensing, the following reasons apply.

**Statement of Fact:** I certify that the facts and information set forth in this application are true and complete to the best of my knowledge. I understand that any falsification, misrepresentation or omission of fact (whether intentional or not) in this application or any other required document, as well as any misleading statement or omission, may be cause for revocation of permit and/or certificate of occupancy, regardless of how or when discovered.

**Building Permit Fees\***

Please refer to fee schedule

Fees due upon application	
Amount received	
Date received	

Sub-contractor information can be faxed to 503-823-7693.

# 12-118474 MT



## MECHANICAL PERMIT APPLICATION

City of Portland, Oregon - Bureau of Development Services

1900 SW 4th Avenue, Portland, Oregon 97201 • 503-823-7363 • TTY 503-823-6868 • www.portlandoregon.gov/bds

Type of work	
<input type="checkbox"/> New construction	<input type="checkbox"/> Addition/alteration/replacement
<input type="checkbox"/> Demolition	<input checked="" type="checkbox"/> Other: <b>TENANT IMPROVEMENT</b>
Category of construction	
<input type="checkbox"/> 1 & 2 family dwelling	<input checked="" type="checkbox"/> Commercial/industrial
<input type="checkbox"/> Multifamily	<input type="checkbox"/> Accessory building
	<input type="checkbox"/> Master builder
	<input type="checkbox"/> Other:
Job site information and location	
Job no.:	Job address: <b>921 SW Morrison St.</b>
City/State/ZIP: <b>Portland OR 97205</b>	
Suite/bldg./apt. no.:	Project name: <b>T-2791 Target Galleria</b>
Cross street/directions to job site: <b>Corner of SW Morrison @ 10th Ave.</b>	
Subdivision:	Lot no.
	Tax map/parcel no.
Description of work (example: upstairs bath fan/dryer exhaust)	
<input type="checkbox"/> Reference RS / Combination	Permit no.
<input checked="" type="checkbox"/> <b>Property owner</b>	<input checked="" type="checkbox"/> <b>Tenant</b>
Name: <b>Target Corporation / Mary Shaffer</b>	
Address: <b>500 S. 10th St. Suite 400</b>	
City/State/ZIP: <b>Minneapolis MN 55403</b>	
Phone: <b>612 761 9161</b>	FAX: <b>612 761 5041</b>
Owner installation: This installation is being made on property that I own, which is not intended for sale, lease, rent, or exchange.	
Owner signature: _____	Date: _____
<input checked="" type="checkbox"/> <b>Contractor</b>	<input type="checkbox"/> <b>Subcontractor</b>
Business name:	
Address:	
City/State/ZIP:	
Phone:	FAX:
Lic. no.	CCB lic. no.
Authorized signature: _____	
Print name: _____	Date: _____
<input checked="" type="checkbox"/> <b>Applicant</b>	<input type="checkbox"/> <b>Contact Person</b>
Business name:	
Contact name:	
Address:	
City/State/ZIP:	
Phone:	FAX:
E-mail:	

This permit application expires if a permit is not obtained within 180 days after it has been accepted as complete.

Commercial Fee Schedule - Use Checklist			
Mechanical permit fees* are based on the value of the work performed. Indicate the value (rounded to the nearest dollar of all mechanical materials, equipment, labor, overhead and profit.)			
Value: \$ <b>1.1 Million</b>			
Residential Equipment / Systems Fees			
For special information use checklist			
Description	Qty.	Fee	Total
<b>Heating / cooling</b>			
Air conditioner (site plan required)	1	\$25	25
Furnace / burner including duct work / vent / liner		\$52	
Heat pump (site plan required)	7	\$49	343
Air handling unit	106	\$25	2650
Hydronic hot water system		\$30	
Residential boiler (radiator or hydronic) includes piping		\$30	
Unit heaters (fuel type, not electric) in-wall, in-duct, suspended, etc.		\$25	
Vent for appliance other than furnace		\$21	
Alteration of existing HVAC system	1	\$30	30
<b>Other fuel appliances</b>			
Decorative gas fireplace		\$25	
Flue vent for water heater or gas fireplace		\$21	
Wood / pellet stove		\$54	
Gas or wood fireplace / insert		\$54	
Chimney / liner / flue / vent		\$21	
Other:		\$30	
<b>Environmental exhaust and ventilation</b>			
Range hood / other kitchen equipment		\$13	
Clothes dryer exhaust		\$13	
Single-duct exhaust (bathrooms, toilet compartments, utility rooms)	2	\$13	26
Attic / crawl space fans		\$13	
Other:		\$30	
<b>Gas fuel piping</b>			
\$14 for the first four, \$2.57 for each additional. Please indicate number of fuel gas piping outlets below:			
Furnace, etc.			
Gas heat pump			
Wall / suspended / unit heater			
Water heater / boiler			
Fireplace			
Range			
Barbecue			
Clothes dryer			
Other: <b>RTU-01</b>	1	\$14	14
<b>Other appliances</b>			
Including oil tanks, gas and diesel generators, gas and electric kilns, gas appliances / equipment not included above	1	\$30	30
Mechanical permit fees			
	Subtotal		
	Minimum permit fee (\$90)		
	Commercial plan review (60% of permit fee)		
	State surcharge (12% of permit fee)		
	<b>TOTAL PERMIT FEE</b>		

RS Permit/No Fees Due

Sub-contractor information can be faxed to 503-823-7693.

## Mechanical Checksheet Response

Permit #: 12-118474-000-00-MT

Date: 5-3-12

Customer name and phone number: Doug Scott (206) 448-3376

Note: Please number each change in the '#' column. Use as many lines as necessary to describe your changes. Indicate which reviewer's checksheet you are responding to and the item your change addresses. If the item is not in response to a checksheet, write **customer** in the last column.

#	Description of changes, revisions, additions, etc.	Checksheet and item #
1.	The listed items will be installed in the developers phase. See submittal by KPFF Consulting Engineers under Permit Application 11-202090-000-00-CO for details and calculations.	
Customer	1. Revised details 2 and 3 to reflex existing conditions.	<b>PM01</b>
Customer	1. Revised the condensate piping from the VRF units. 2. Revised key notes as applicable to the revised plans.	<b>M111</b>
Customer	1. Revised the condensate piping from the VRF units. 2. Revised key notes as applicable to the revised plans.	<b>M112</b>
Customer	1. Revised the condensate piping from the VRF units. 2. Revised key notes as applicable to the revised plans.	<b>M113</b>
Customer	1. Revised the condensate piping from the VRF units. 2. Revised key notes as applicable to the revised plans.	<b>M301</b>
Customer	1. Revised the condensate piping from the VRF units. 2. Revised key notes as applicable to the revised plans.	<b>M321</b>
Customer	1. Added duct sizes.	<b>M401</b>
Customer	1. Added condensate piping connection detail from VRF units.	<b>M501</b>
Customer	1. Revised the condensate pump information in VRF schedule. 2. Added port ball valves to the BC controllers.	<b>M601</b>

RECEIVED

MAY 10 2012

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DOCUMENT SERVICES

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CITY OF PORTLAND, OREGON – BUREAU OF DEVELOPMENT SERVICES

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Structural Special Inspection and Observation Program Checksheet

The registered design professional in responsible charge shall prepare and submit a special inspection and structural observation program in accordance with IBC Sections 1704.1.1, 1705.2, and 106.3.4.1, and confirm that the special inspection and structural observations noted below are indicated on the drawings.

~ Please Note that separate Soils and Life Safety Inspection Checksheets may also be required ~

Instructions – Parts D and E of this Checksheet must be fully completed by the Owner (or Architect or Engineer acting as the owner’s agent) in order to obtain your permit. When complete, return this form to BDS Permitting Services. You may return it in person at 1900 SW 4th Ave, by fax to (503) 823-4172, or by email to specialinspectionsforms@portlandoregon.gov.

Application # 12-117665-000-00-CO Date: April 20, 2012
Project Name: Galleria Target Store
Site Address: 921 SW MORRISON ST
Architect of Record (Firm): MBH Architects Phone #: 510-865-8663
Engineer of Record (Firm): Ericksen Roed & Associates Phone #: 651-251-7570

The following special inspections and structural observations shall be performed according to the State Building Code and City of Portland Special Inspection Program Administrative Rules unless a program of inspections is submitted by the Engineer of Record and approved by Bureau of Development Services.

A. REQUIRED SPECIAL INSPECTIONS FOR ALL BUILDING TYPES

- X Steel Construction Concrete Construction Anchors – Adhesive Wood Construction
Curtainwall Prestressed Concrete Anchors – Cast-in-place Masonry
Structural Silicone Glazing Shotcrete X Anchors – Expansion Cold Formed Steel Framing
Special Cases: X Screw Anchors

B. REQUIRED SPECIAL INSPECTIONS FOR CATEGORY III AND IV BUILDINGS (In addition to those noted above.)

- Seismic Force Resist. System Storage Racks Access Floors Suspended Ceilings
Mechanical Components Electrical Components Cladding Veneer
Nonbearing Walls Seismic Isolation System
Special Cases:

C. STRUCTURAL OBSERVATION

- Required (The stages of construction at which structural observation is to occur shall be indicated on the drawings.)

D. APPROVED SPECIAL INSPECTOR OR INSPECTION AGENCY (To be completed by the applicant.)

5-10-12 NOTE: Selection of special inspection agency is in progress and will be completed before permit issue. Indicate the City approved special inspector or special inspection agency to perform the required special inspections noted in parts A. and B. above:

- Carlson Testing (503) 684-3460 Northwest Geotech (503) 682-1880 PSI (503) 289-1778
X Mayes Testing, Inc. (503) 281-7515 Clair Company (800) 383-8855 Krazan & Assoc. (503) 665-3574
ACS (503) 443-3799

E. To be completed by the applicant.

By completing Part E the project owner (or the Architect or Engineer acting as the Owner’s Agent) hereby agrees to employ the special inspector or inspection agency and/or engineer of record for the above noted special inspections and/or structural observations. (Contractors are NOT authorized to agree for the Owner.)

Print Name Jonathan Wolff, Project Manager Date 07/30/2012
(Project Owner or the Architect or Engineer acting as the Owner’s Agent)

Firm Target Corporation Phone 612-761-6063

The project owner shall provide a copy of this checksheet to the special inspection agency and engineer of record. Plans Examiner: Eric Thomas

APPLICANT – COMPLETE PARTS D & E

			<ol style="list-style-type: none"> <li>1. Level 1 walls @ grid B.1 between 8.2-9 &amp; @ grid 8.2 between grids B &amp; C.</li> <li>2. Level 2 wall @ grids A-B south of grid 9</li> </ol> <p>b. (levels 1 &amp; 2 glass wall @ grid B between grids 9-10) Provide sprinklers @ 6'-0" o.c. both sides of glass between 4 &amp; 12" from face of glass. Install glass in gaskets.</p>
5		603	<p>Building construction is IB, non combustible. Combustible materials are limited per this section. Revise as follows:</p> <ol style="list-style-type: none"> <li>a. (Drawing A501) Delete wall types: P9, P11, P18, P25</li> <li>b. (Drawing 2/A142) Provide fire retardant treated wood.</li> </ol>
6		707, 708	<ol style="list-style-type: none"> <li>a. (Drawing A021-A023) Locate and identify all fire rated assemblies and the required fire rating: examples include stair enclosures, shafts, emergency generator room, main electrical room.</li> <li>b. (Exception 2.1, Escalators) <ol style="list-style-type: none"> <li>1. Openings are limited to twice the horizontal projected area of the escalator. Opening between 1<sup>st</sup> &amp; 2<sup>nd</sup> floor does not meet this requirement. Revise drawings to demonstrate compliance.</li> <li>2. Draft curtain are required at perimeter of escalators. Locate on plans and provide details. Opening between 1<sup>st</sup> &amp; 2<sup>nd</sup> floor does not meet this requirement.</li> </ol> </li> <li>c. (Room 143) provide 2 hour fire barrier at perimeter of generator room.</li> <li>d. (Drawings A501) Identify all fire rated wall types, include the fire rating, the test assembly number, and thickness of gyp. bd,</li> </ol>
7		803.11	<p>Provide non-combustible backing behind finished wood at the following locations:</p> <ol style="list-style-type: none"> <li>a. Drawings 11-12/A503</li> <li>b. Drawing 3/A504</li> </ol>
8		Table 1004.1	<p>Revise drawings A021-A023, as follows:</p> <ol style="list-style-type: none"> <li>a. Use 500 sf/ occ for the following rooms: Levels 1-3 perimeter display areas, 203a, 212</li> <li>b. Rooms 101 A &amp; B: 15 sf/occ</li> </ol>
9		1005	(Drawings A021-A203) Revise exit width calculations as required per Table 1004.1
10		1006	<p>(Drawings A021-023) Add the following information the egress diagrams:</p> <ol style="list-style-type: none"> <li>a. Coordinate egress lighting with electrical.</li> <li>b. Locate all fixtures, casework and aisles on levels 2 &amp; 3. Locate equipment, casework, fixtures and seating layout of coffee shop/ on level 1.</li> <li>c. The following spaces/ areas require egress lighting provide the information requested below: <ol style="list-style-type: none"> <li>1. Add note in legend "Provide <b>egress lighting across entire width of egress path, minimum light level 1 foot candle as measured at floor level</b>".</li> <li>2. Level 1 in coffee shop/ sales areas</li> <li>3. Level 1 receiving area</li> <li>4. Levels 2 &amp; 3 Identify width of aisles/egress path</li> <li>5. Level 3 rooms 337, 359, 365</li> </ol> </li> </ol>
11		1008, ANSI 117.1(404)	<ol style="list-style-type: none"> <li>a. (Drawings A021-023)) Identify width of egress access doors.</li> <li>b. Door Schedule/ Hardware groups: <ol style="list-style-type: none"> <li>1. Provide 3'-0" wide leaf at the following: 100-3, 200, 200-1-2-3-4, 203a, 300, 300-1-2-3-4,</li> <li>2. 4'-0" in maximum leaf width for egress access doors. The following are not compliant: 380-383</li> <li>3. Identify leaf sizes of the following doors: 101</li> <li>4. Provide panic devices at the following: 338, 365, 359</li> <li>5. Provide smoke gaskets and closers on the following: 101, 101.1, 146</li> <li>6. Provide 90 minute door/frame assemblies: 146</li> <li>7. provide compliant lock function on the following hardware group:97</li> <li>8. Doors not found: 125, 209, 225, fitting room doors,</li> <li>9. Provide hardware for the following groups: 91</li> <li>10. Reverse the swing of the following doors: 338, 359</li> <li>11. Door size does not match plan: Door 337</li> <li>12. Hardware groups not found: 1, 311</li> <li>13. (Hardware groups 68 &amp; 69) Add note " <b>Doors always openable from the</b></li> </ol> </li> </ol>

**CITY OF PORTLAND, OREGON – BUREAU OF DEVELOPMENT SERVICES**

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**LIFE SAFETY CHECKSHEET**

Review Date: March 28, 2012

Application #: **12-117665-000-00-CO**IVR #: **3155686**

<b>To:</b>	<b>APPLICANT</b>	<b>LAURA SHEN MBH ARCHITECTS 2470 Mariner Square Loop Alameda, CA 94501</b>	Work: (510) 865-8663 Home: Email: LAURAS@MBHARCH.COM
<b>From:</b>	<b>LIFE SAFETY PLANS EXAMINER</b>	<b>DAVID JONES</b>	Phone: (503) 823-7028 Email: David.Jones@portlandoregon.gov
<b>cc:</b>	<b>OWNER</b>	<b>GALLERIA BUILDING LLC 2701 NW VAUGHN ST STE 710 PORTLAND, OR 97210</b>	

**PROJECT INFORMATION**

Street Address:	<b>921 SW MORRISON ST</b>					
Description of Work:	<b>TI - for new Target store</b>					
The following assumptions were made when reviewing your project:						
Code Edition	Occupancy group	Construction Type	Building Area	Stories	Sprinklers	Alarms
<b>2010 OSSC</b>	<b>M/A2/S1/S2</b>	<b>I-B</b>	<b>SF</b>	<b>5</b>	<b>Yes</b>	<b>Yes</b>

**PLAN REVIEW**

Based on the plans submitted, the items listed below appear to be missing or not in conformance with The Oregon Structural Specialty Code (OSSC) and/or other City requirements.

Item #	Location on plans	Code Section	Clarification / Correction Required
1		107.1	a. (Drawing G001) Add building code summary and include the following: building construction type, number of floors, gross floor area of building and each floor and occupancy of each floor. b. (Drawing 5/A301, aluminum storefront) Dimension overall height and spacing of mullions of aluminum frame, identify frame and glass types. c. The following drawings are referenced but not in set: Drawing A622 ref A611
2		107.3.4.2	(Drawing G001) a. Firestopping is not a deferred submittal b. Fire alarms and sprinklers require separate permit with Portland FMO. c. Add the following to deferred submittals: suspended ceilings, handrails & guardrails
3		302	(Drawing A021-A023) Revise occupancy classifications as follows: a. Room 337: A3 b. Rooms 101A, 101b, 121: A2 c. (Plans, levels 1, 2 & 3) S1 occupancies: stock rooms, perimeter display areas, fitting room storage, janitor, bag storage, electrical, back of house coolers and freezers, fixture storage d. Room 147: S2 e. (Level 3, room 365) Floor plan indicates open office, fixture plan indicates locker room. Coordinate.
4		404.6	a. Provide 1 hour fire barrier, include test assembly number, at the following locations:

			<b>egress side"</b> 14. Identify doors with thresholds, provide detail and reference. c. Demonstrate access maneuvering clearances at the following doors:210.1
12		1011	(Drawings A021-023) Locate all exit signs. Coordinate with electrical.
13		1012	Provide handrails both sides of stairs. Dimension height of rail and rail extensions top and bottom (in the direction of travel) at the following locations: a. Level 1 stairs @ grids 6.5 & B b. Level 1 & 2 stairs @ grids B.2 & 9
14		1014, 1015	The following spaces require access to two exits. Clearly delineate egress path through the following spaces and the intervening rooms. Provide information requested: a. (Drawing A021) coffee shop/mercantile: locate fixtures and seating. b. (Drawing A023, room 337, 359 & 365) Locate furniture, fixtures and equipment c. (Drawing A021, Level 1 loading/stock/receiving area) Administrative appeal granted for this area. List appeal number, date and provide a brief description of appeal.
15		ANSI 117.1 (403)	(Drawings A022-023) Add fixtures, casework to plans and provide 3'-0" wide accessible aisles through all sale and display areas. Dimension the following areas: a. Level 2: grids 4.6-8 & D-G, B-C.5 & 3-6, H-I & 8.5-10, E.5 & 5.5-6.5 b. Level 3: grids 4.6-8 & D-G, D-F & 7.8-10,
16		117.1(505)	Dimension landing lengths top and bottom, ramp width, locate handrails both sides of ramp, dimension rail extensions and provide details of handrails at the following locations: a. (Drawing 4/A311) Level 1: Grids C & 7
17		1109.11 ANSI 117.1 (803, 902, 903)	Add the information below on the floor plans and A021-A023 and floor plans a. (Locker Room #365) Locate turning circle in room, bench and accessible lockers a minimum of 5% of total quantity b. (Level 2 fitting rooms) Locate accessible fitting room, provide compliant bench, locate turning circle, door shall not swing into the clear floor space, locate accessible hooks, identify door size. c. (Level 1 fixed seating counter. 28" height x 34" long
18		1109.11 ANSI 117.1 (904)	Add the information below on the floor plans and A021-A023 and floor plans, and elevations. Reference elevations on plans. a. accessible counter: 1 <sup>st</sup> floor coffee shop, 2 <sup>nd</sup> floor pharmacy counter b. Cash wraps 2 <sup>nd</sup> floor
19		Table 29A	(Drawing A112) Revise tabulations: a. Level 1 rooms 101a & b, 121: These areas are A occupancies, use 30 sf/occ b. Level 1 dock & storage: Use 5000 sf/occ
20		OEESC 502	(502.4.6, Level 1, SW Entry) Plans indicate new entrance at this location. Provide compliant vestibule. This is required for the base building. Provide the information requested. Response indicates this is to be included in the tenant improvement permit, if so this will require an administrative appeal. The appeal should consider an end date to the installation.

End of Checksheet

To respond to this checksheet, come to Permitting Services located at 1900 SW Fourth Ave., 2<sup>nd</sup> Floor, and update all four sets of the originally submitted drawings. To update the drawings, you may either replace the original sheets with new sheets, or edit the originally submitted sheets. (Specific instructions for updating plans are posted in Document Services.)

Please complete the attached Checksheet Response Form and include it with your re-submittal.

If you have specific questions concerning this Checksheet, please call me at the phone number listed above. To check the status of your project, go to <http://www.portlandonline.com/bds/index.cfm?c=34194>. Or, you may request the status to be faxed to you by calling 503-823-7000 and selecting option 4.

You may receive separate Checksheets from other City agencies that will require separate responses.

**NEW DEVELOPMENT SERVICES CENTER HOURS:** The DSC (1<sup>st</sup> floor) and Permitting Services (2<sup>nd</sup> floor) are open Tuesday through Friday from 8:00 a.m. to 3:00 p.m. (closed on Mondays). In the DSC, Land Use, Site Development or Building Permit application review, submittal or intake of complete permits/applications will be limited to between 8:00 AM and 12:00 PM. Land Use applications and Building Permit review or intake will not be processed after 12:00 PM. Please visit the BDS website for more information regarding the Development Services Center hours.

**NEW RECHECK FEE:** Please note that for plans submitted on or after July 1, 2010 plan review fees for Life Safety, Structural, Site Development and Planning and Zoning will cover the initial review and up to two checksheets and the reviews of the applicant's responses to those checksheets. All additional checksheets and reviews of applicant responses will be charged \$167.00 per checksheet.