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STRUCTURED WIRING SPECIFICATIONS

CONTRACTOR REQUIREMENTS

1. The contractor shall provide only skilled labor to complete work *within the agreed upon time frame*.
2. The contractor is responsible for the provision of all tools required to fulfill the installation obligations in accordance with task at hand at the contractor cost. This includes specialist tools such as core drills etc.
3. The contractor is solely responsible for the thorough pre-quotation inspection and installation evaluation of any given project for which a quotation is submitted. Any over-sites on the part of the contractor are the contractor's responsibility

GENERAL PRODUCT CONFORMANCE REQUIREMENTS

1. All installed components shall be new, complete, in good condition and unused albeit for demonstration purposes.
2. All cable reels are to be visually inspected for damage incurred during shipping and transit prior to installation.
3. Cable and connecting components found to be damaged or defective prior and during the installation process are to be removed immediately and returned to the supplier at no additional cost to the Green Building Alternatives, LLC.

Testing and Labeling:

All junction boxes & white 4 port wall plates will be tested and labeled as per specifications in this tender document.

GENERAL INSTALLATION PRACTICE REQUIREMENTS

1. Cable is not to be pulled in under excessive load. At all times during any given "pull", the cable under load should easily react and feed to pulling tension.
2. Whenever possible cable should be placed into pathways as apposed to pulled in under tension.
3. Care should be taken not to score conductors during the removal of the outer insulating sleeve of the cable when preparing to terminate pairs.
4. Cable bends are to be kept to 25mm at minimum at all times (installed).
5. During the installation process, installers are required to visually inspect cable and connecting hardware components for damage. If such damage is found, e.g. tears in the outer jacket of the cable, severe kinks as identified by white/grey bands of discoloration on cable jacket, these components are to be replaced immediately.
6. The installer is to make use of best practices when handling unjacketed conductors. Care is to be taken as not to create pair spread, pair wrapping, pair separation and the re-twisting of pairs.
7. All cabling shall be clearly labeled at both ends to the rear of the point of termination no more than 100mm from such a termination point.
8. All patch panel ports and workstation outlets shall be clearly labeled by means of appropriately secured printed labels (hand written labels are not acceptable).
9. All outlet cables shall be clearly labeled by means of an appropriately secured printed label.

Structured Wiring Specifications
1744 Johnson St.

10. The maximum number of screws or bolts as provided for by the design of connecting hardware or SCS components and accessories are to be used without exception.

POWER AND EMI SOURCE SEPARATION

1. Cable may be laid adjacent to sources of interference such as 240V electrical branch circuits with a minimum separation of 50.8mm where:
 - a. A continuous grounded metallic barrier exists between electric cable and structured cabling.
 - b. A durable non-metallic insulation exists, other than the insulation material of the cable.
2. At no point may data cabling cross the path of any power or broadband cable, fluorescent lighting unit (where suspension is used as a means of separation) at an angle less or greater than 90 degrees.

ROOM BY ROOM DETAIL

Cable Structured wiring (2 Cat-5e, 2 RG6 Quad)

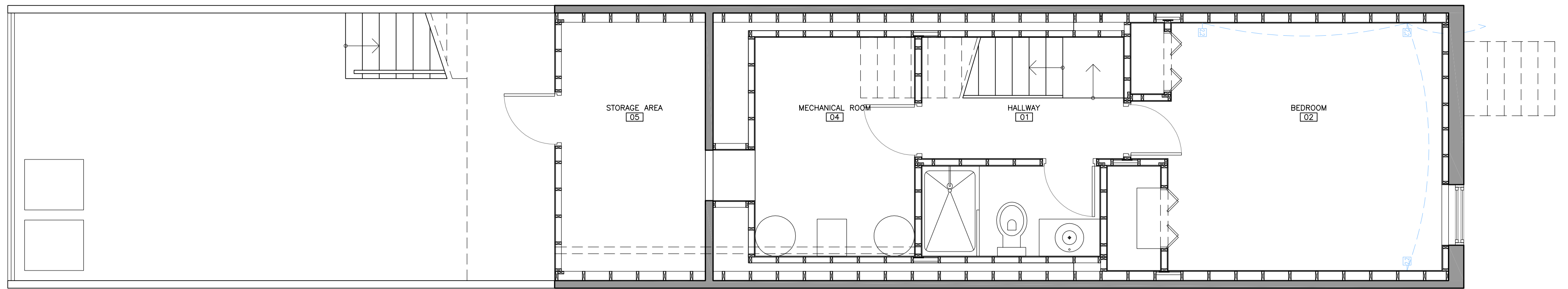
Basement Bedroom – 3 junction boxes & white 4 port wall plates
Living Room – 2 junction boxes & white 4 port wall plates
Dining Area – 1 junction box & white 4 port wall plate
Kitchen – 2 junction boxes & white 4 port wall plates
Second Floor Front Bedroom – 3 junction boxes & white 4 port wall plates
Second Floor Rear Bedroom – 2 junction boxes & white 4 port wall plates
Master Bedroom – 3 junction boxes & white 4 port wall plates

1 Cat 5e

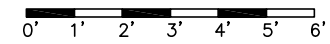
Exterior First Floor front door
Exterior First Floor back door
Exterior Third Floor back door

1 Cat 5e and 1 RG6 Quad

Exterior Third Floor front w/weather proof junction box (for surveillance camera)
Exterior Third Floor back w/weather proof junction box (for surveillance camera)



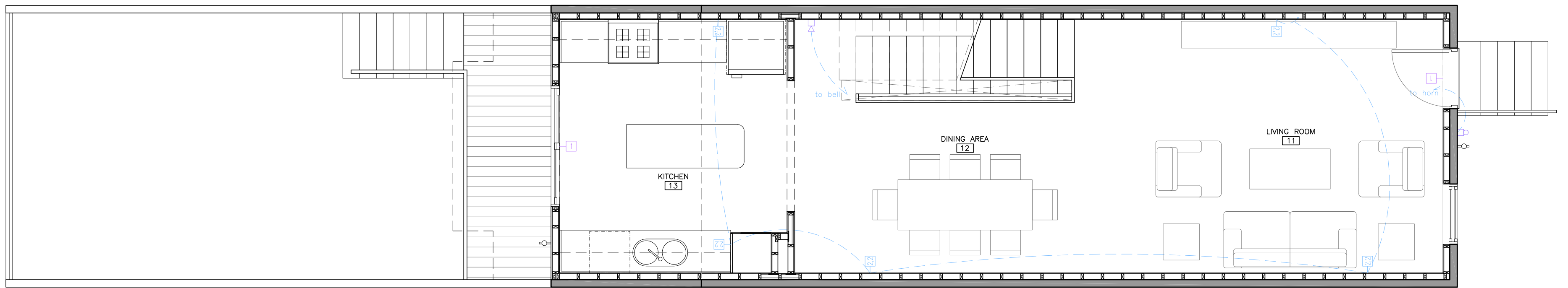
BASEMENT PLAN
SCALE 1/4"=1'



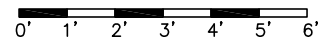
- Bell
- Horn
- 2 Cat 5e, 2 RG6 Quad
- 1 Cat 5e
- 1 Cat 5e, 1 RG6 Quad

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PROJECT Residence in 1744 Johnson St. Baltimore, MD 21230	SCALE 1/4"=1'	DATE 02/09/07	REV. N° 15	REV. N° R9	DESCRIPTION	DATE	APPROVED	Note: All structural and construction elements are to be specified by specialist, and shall be incorporated to construction drawings. All dimensions given are subject to job site verification and adjustment to fit job site conditions.
CLIENT Erik Steensen Laura Steensen	DRAWN BY FD	REVISED BY CA	APPROVED BY	R10				
TITLE STRUCTURED WIRING SCHEMES BASEMENT PLAN	FILE NAME E_GB_100_R15.dwg		SHEET SW100	R11				
				R12	Internal Information	11/17/06		
				R13	Internal Information	12/23/06		
				R14	Internal Information	02/09/07		
				R15	Internal Information	02/09/07		



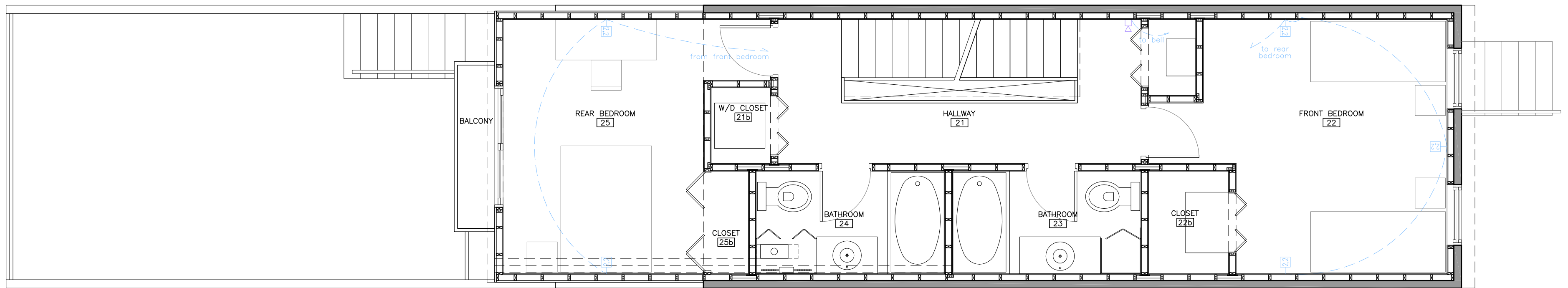
FIRST FLOOR PLAN
SCALE 1/4"=1'



	Bell
	Horn
	2 Cat 5e, 2 RG6 Quad
	1 Cat 5e
	1 Cat 5e, 1 RG6 Quad

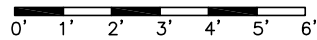
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PROJECT Residence in 1744 Johnson St. Baltimore, MD 21230	SCALE 1/4"=1'	DATE 02/09/07	REV. N° 15	REV. N° R8	DESCRIPTION	DATE	APPROVED	Note: All structural and construction elements are to be specified by specialist, and shall be incorporated to construction drawings. All dimensions given are subject to job site verification and adjustment to fit job site conditions.
CLIENT Erik Steensen Laura Steensen	DRAWN BY FD	REVISED BY CA	APPROVED BY	R9				
TITLE STRUCTURED WIRING SCHEMES FIRST FLOOR PLAN	FILE NAME E_GB_101_R15.dwg	SHEET SW101	R10					
			R11					
			R12	Internal Information	11/17/06			
			R13	Internal Information	12/23/06			
			R14	Internal Information	02/09/07			
			R15					



SECOND FLOOR PLAN

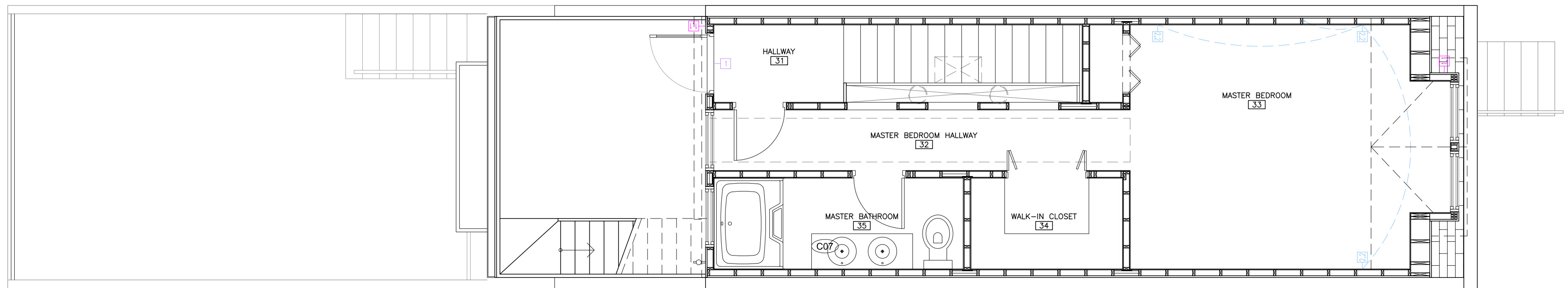
SCALE 1/4"=1'



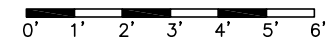
	Bell
	Horn
	2 Cat 5e, 2 RG6 Quad
	1 Cat 5e
	1 Cat 5e, 1 RG6 Quad

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PROJECT Residence in 1744 Johnson St. Baltimore, MD 21230	SCALE 1/4"=1'	DATE 02/09/07	REV. N° 15	REV. N° R8	DESCRIPTION	DATE	APPROVED	Note: All structural and construction elements are to be specified by specialist, and shall be incorporated to construction drawings. All dimensions given are subject to job site verification and adjustment to fit job site conditions.
CLIENT Erik Steensen Laura Steensen	DRAWN BY FD	REVISED BY CA	APPROVED BY	R9				
TITLE STRUCTURED WIRING SCHEMES SECOND FLOOR PLAN	FILE NAME E_GB_102_R15.dwg	SHEET SW102		R10				
				R11				
				R12				
				R13	Internal Information	11/17/06		
				R14	Internal Information	12/23/06		
				R15	Internal Information	02/09/07		



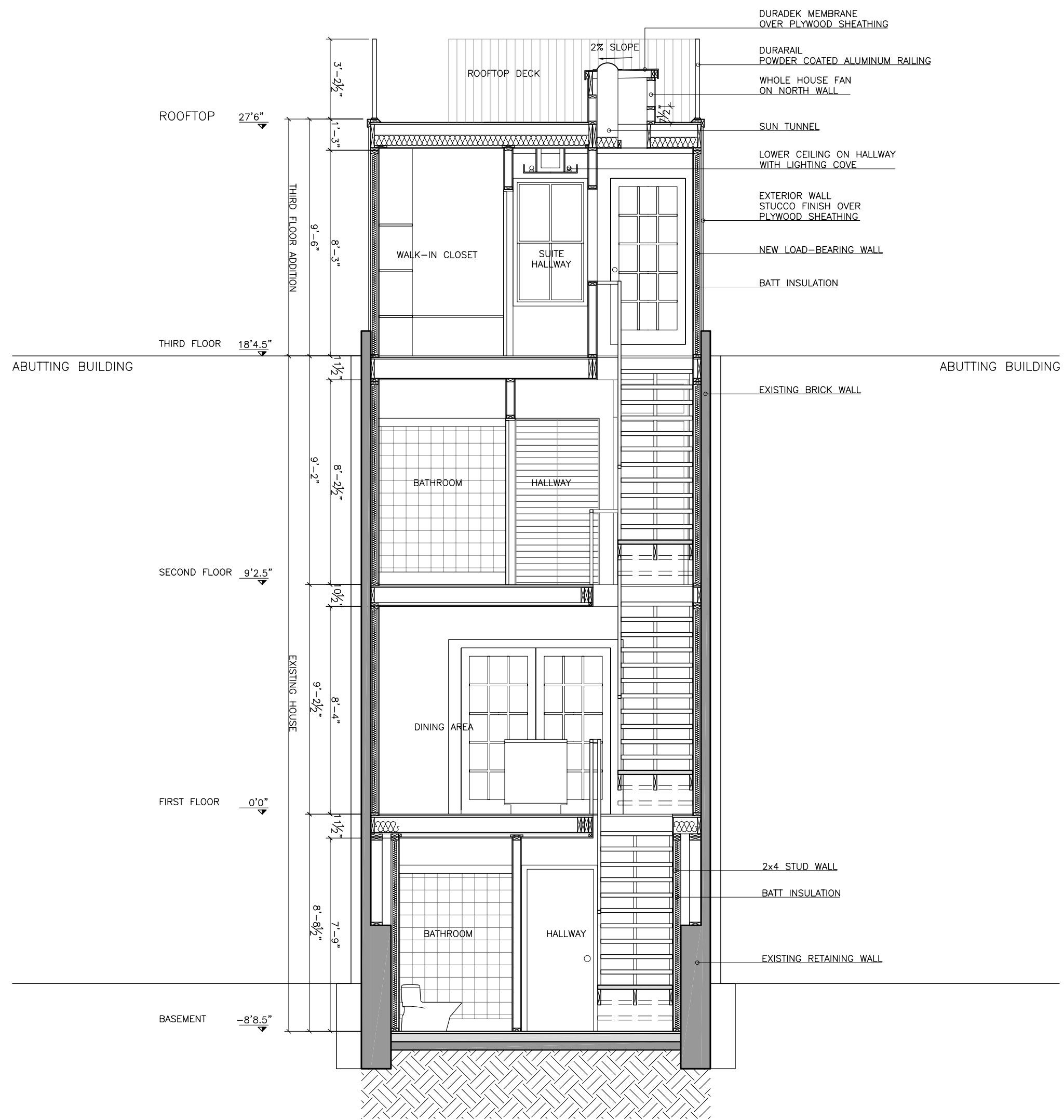
THIRD FLOOR PLAN
SCALE 1/4"=1'



- Bell
- Horn
- 2 Cat 5e, 2 RG6 Quad
- 1 Cat 5e
- 1 Cat 5e, 1 RG6 Quad

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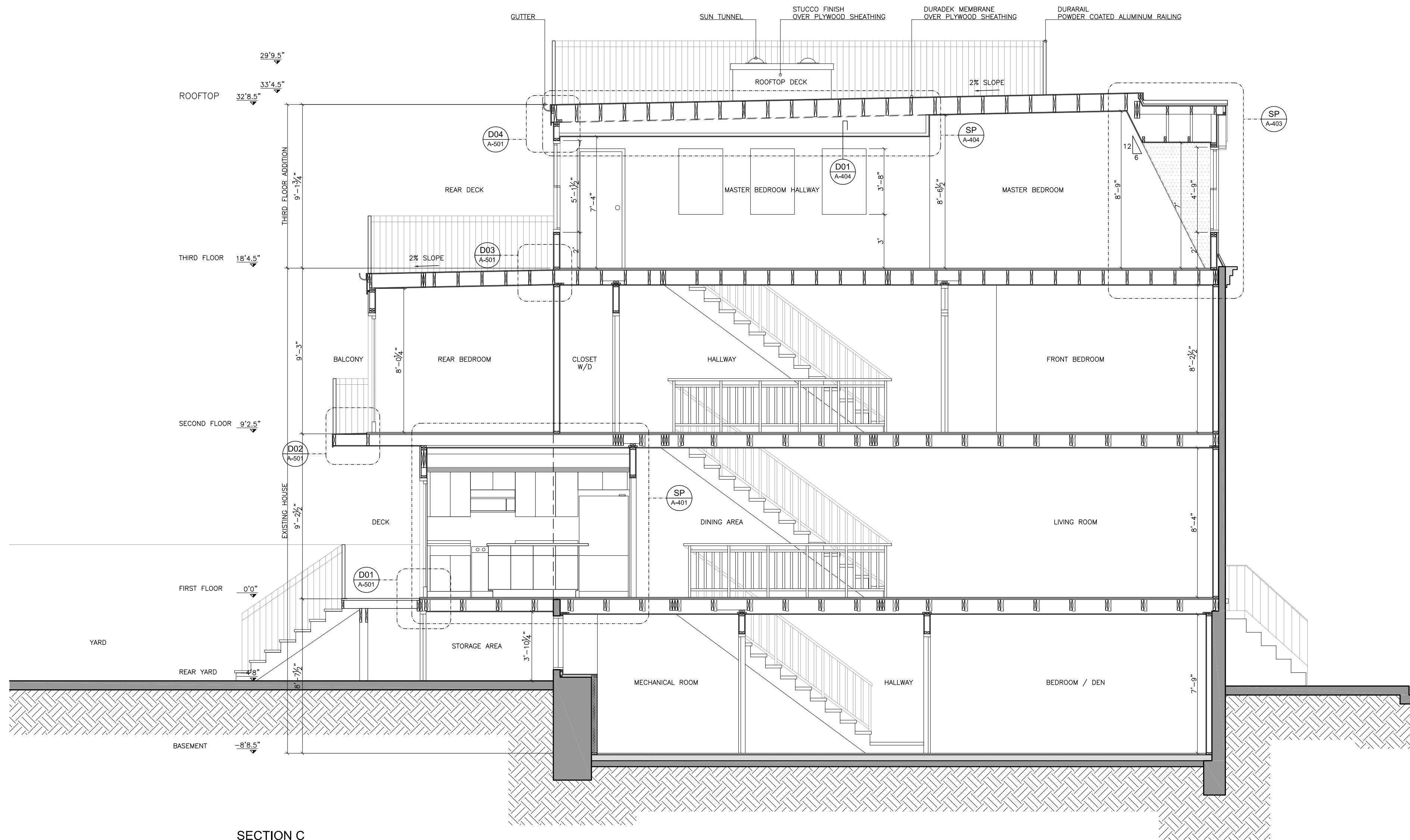
PROJECT Residence in 1744 Johnson St. Baltimore, MD 21230		SCALE 1/4"=1'	DATE 02/09/07	REV. N° 15	REV. N°	DESCRIPTION	DATE	APPROVED	Note: All structural and construction elements are to be specified by specialist, and shall be incorporated to construction drawings. All dimensions given are subject to job site verification and adjustment to fit job site conditions.
CLIENT Erik Steensen Laura Steensen		DRAWN BY FD	REVISED BY CA	APPROVED BY	R9				
TITLE STRUCTURED WIRING SCHEMES THIRD FLOOR PLAN		FILE NAME E_GB_103_R15.dwg	SHEET SW103		R10				
					R11				
					R12				
					R13	Internal Information	11/17/06		
					R14	Internal Information	12/23/06		
					R15	Internal Information	02/09/07		



SECTION B
SCALE 1/4"=1'

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PROJECT	Residence in 1744 Johnson St. Baltimore, MD 21230			SCALE	DATE	REV. N°	REV. N°	DESCRIPTION	DATE	APPROVED	Note: All structural and construction elements are to be specified by specialist, and shall be incorporated to construction drawings. All dimensions given are subject to job site verification and adjustment to fit job site conditions.
CLIENT	Erik Steensen Laura Steensen			1/4"=1'	12/18/06	14	R8	Internal Information	05/19/06		
TITLE	PROJECT DESIGN SECTION B			DRAWN BY	REVISED BY	APPROVED BY	R9	Internal Information	06/15/06		
				FD	CA		R10	Internal Information	06/27/06		
				FILE NAME		SHEET	R11	Internal Information	07/06/06		
				A_GB_202_R14.dwg		A-202	R12	Internal Information	09/11/06		
							R13	Internal Information	12/06/06		
							R14	Internal Information	12/18/06		



SECTION C
SCALE 1/4"=1'

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PROJECT	Residence in 1744 Johnson St. Baltimore, MD 21230			SCALE	DATE	REV. N°	REV. N°	DESCRIPTION	DATE	APPROVED	Note: All structural and construction elements are to be specified by specialist, and shall be incorporated to construction drawings. All dimensions given are subject to job site verification and adjustment to fit job site conditions.
CLIENT	Erik Steensen Laura Steensen			1/4"=1'	12/18/06	14	R8	Internal Information	05/19/06		
TITLE	PROJECT DESIGN SECTION C			DRAWN BY	REVISED BY	APPROVED BY	R9	Internal Information	06/15/06		
				FD	CA		R10	Internal Information	06/27/06		
				FILE NAME		SHEET	R11	Internal Information	07/06/06		
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							R13	Internal Information	12/06/06		
							R14	Internal Information	12/18/06		