PLANNING

METROPOLITAN PLANNING Certificate of Annual Certificate of Annual

OMMISSION Name of Applicant: 40000 Caloraini				
Suite 403 • City County Building 🔲 Owner 🔲 Contractor 🔳 Arc	chitect 🗆 Engineer 🗆 Other			
noxylle, Tennessee 37902 Date Filed: 2015-11-30 Appli	Date Filed: 2015-11-30 Application accepted by: Marc Payus			
Fee Amount: 50.45 Review	w Date: 12/16/15 File Number: 12-C-15-DT			
PRE-APPLICATION CONFERENCE	Date Completed: 2015/09/46			
PROPERTY INFORMATION	PROJECT ARCHITECT/ENGINEER PLEASE PRINT Name: Faris Eld Company: Design Innovation Architects Address: 402 S Gay Street City: Knoxville State: TN Zip: 37902 Telephone: 865.637.8540 Fax: 865.544.3840 feid@dia-arch.com			
Building or Project Name: Regas Square				
denot ave				
Street Address: depot ave 333 Doct Ave.				
Parcel Identification Number(s): 094EF02501 094EF021, 094ef02001				
PROPERTY OWNER				
PLEASE PRINT	E-mail: feid@dia-arch.com			
Name: Regas Square LLC	E-man.			
Company:	PROJECT CONTRACTOR PLEASE PRINT Name: Company: Address:			
Address: 10820 #ste 9 Kingston Pike				
City: Knoxville State: TN Zip: 37934				
Telephone: <u>865,389,8095</u>				
Fax: 865.330.3543				
E-mail: mhasbrouck2014@gmail.com	City: ————————————————————————————————————			
	Telephone:			
ACCOMPANYING MATERIALS Please see the reverse side of this form for a list of	Fax: ————————————————————————————————————			
information required as part of this application.	E-mail:			
FOR OFFICE USE ONLY	PROJECT CONTACT All application-related correspondence should be directed to:			
PROJECT INFORMATION				
LEVEL 1: \$50	PLEASE PRINT Name: Jesse Galbraith			
Minor Alteration of an Existing Building/Structure	Company: Design Innovation Architects			
□ Sign Revision to Approval Col	Address: 402 S Gay Street			
LEVEL 2: \$100	City: knoxville State: TN Zip: 37902			
 ☐ Major Alteration of an Existing Building/Structure ☐ Addition to an Existing Building/Structure 				
	Telephone: 865.243.8447			
LEVEL 3: \$250	Fax:			
Construction of New Building/Structure	E-mail: jgalbraith@dia-arch.com			



DESIGN DEVELOPMENT PACKAGE FOR:

REGAS SQUARE

333 DEPOT AVE

KNOXVILLE, TN 37917

14018

PROJECT #:

A-010

SHEET #: DATE:

2015/11/30

A2 GAY

SHEET NAME:



402 S. Gay Street, Suite 201, Knoxville, TN 37902 ph 865, 637, 8540 or 865, 291, 2221 fx 865, 544, 3840 www.dia-arch.com

A2 VIEW FROM GAY STREET BRIDGE - 10' above bridge



DESIGN DEVELOPMENT PACKAGE FOR:

REGAS SQUARE

333 DEPOT AVE

KNOXVILLE, TN 37917

14018

PROJECT #:

2015/11/11

DATE:

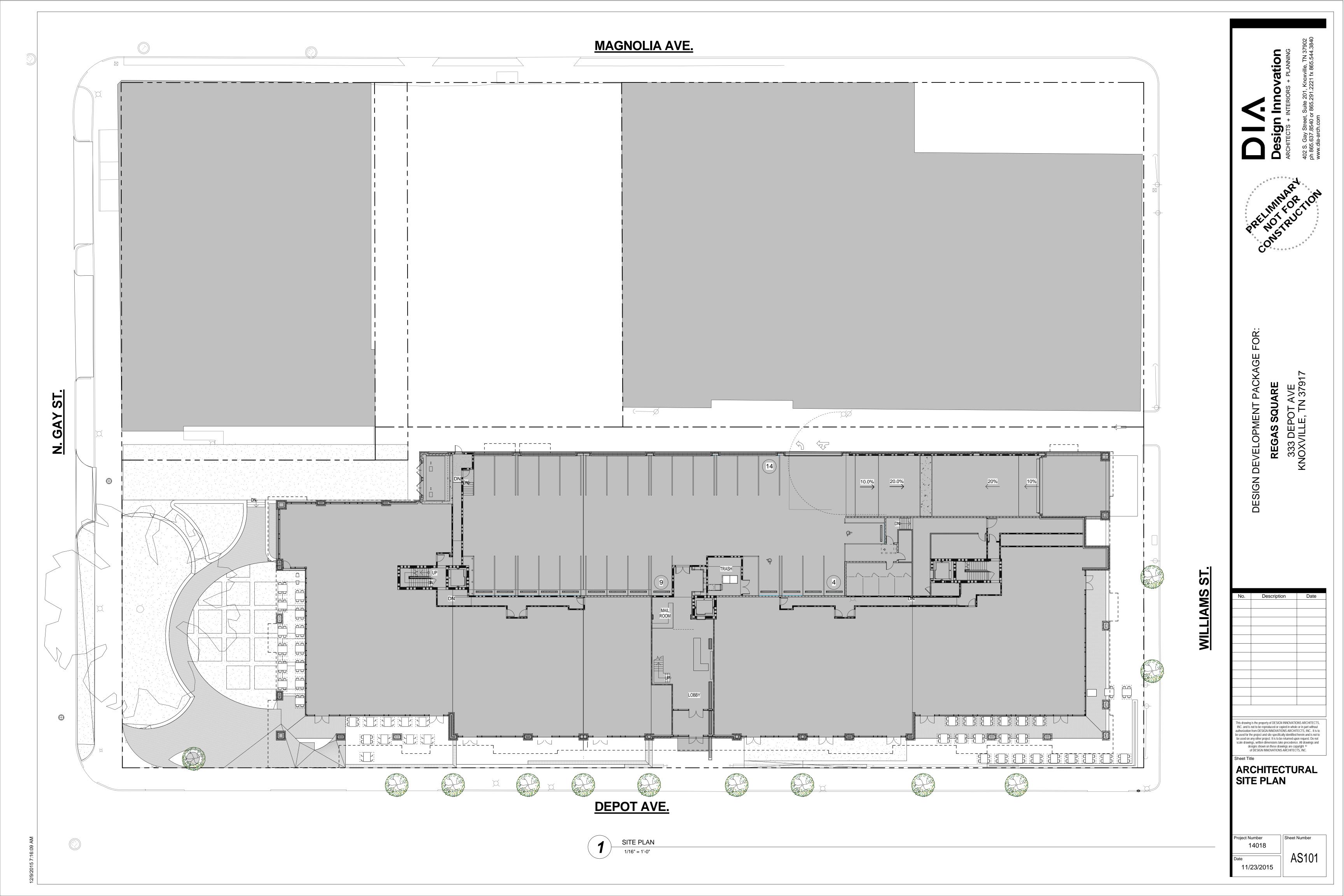
A-011

SHEET #:

A2 CORN

SHEET NAME:





2. ALL MORTAR JOINTS TO BE CONCAVE UNLESS NOTED OTHERWISE.

3. RECESSED BRICK LOCATIONS TO BE SET BACK ?" FROM FACE OF BRICK VENEER WITH A "WEATHERED" MORTAR JOINT ON BOTH EXPOSED SIDE AND CAVITY SIDE.

4. WHERE BRICK VENEER IS ADJACENT AND PERPENDICULAR TO STOREFRONT SYSTEM, STOP RECESSED BRICK COURSE(S) AT EXTERIOR AND INTERIOR FACES OF STOREFRONT SYSTEM SO THAT THE FACE OF BRICK IS IN A SINGLE PLANE WHERE THE STOREFRONT SYSTEM INTERSECTS THE ADJACENT WALL.

5. ALL EXPOSED STEEL ANGLES AND STEEL PLATES WITHIN BRICK VENEER SHALL BE PAINTED TO MATCH BRICK VENEER.

6. ALL EXTERIOR STEEL SHALL BE FULLY AND COMPLETELY PAINTED WITH HIGH PERFORMANCE COATINGS PRIOR TO INSTALLATION.

7. COORDINATE ALL DEVICE ROUGH-INS TO CENTER IN FLUSH AREAS OF MASONRY, AVOIDING OVERLAPS WITH REVEALS, RECESSES, ETC.A. REFER TO PLANS, DETAILS, AND ENLARGED ELEVATIONS FOR SIZES

8. REFER TO WINDOW ELEVATIONS ON SHEET A-602 FOR SIZES AND TYPE OF GLAZING SYSTEMS.

9. REFER TO DOOR SCHEDULE AND ELEVATIONS ON SHEETS A-601 AND A-602 FOR SIZES AND TYPE OF DOORS AND FRAMES.

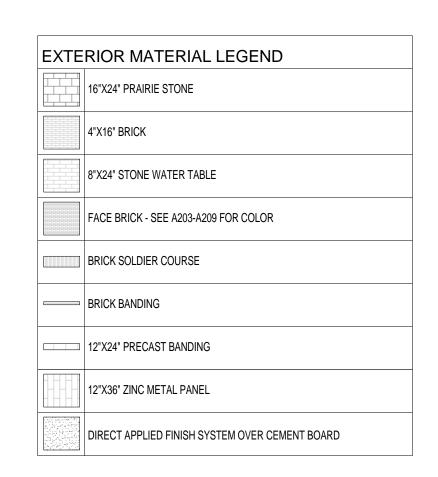
10. ALL EXT. GLASS TO BE 1" INSULATED, TINTED GLASS, U.N.O.

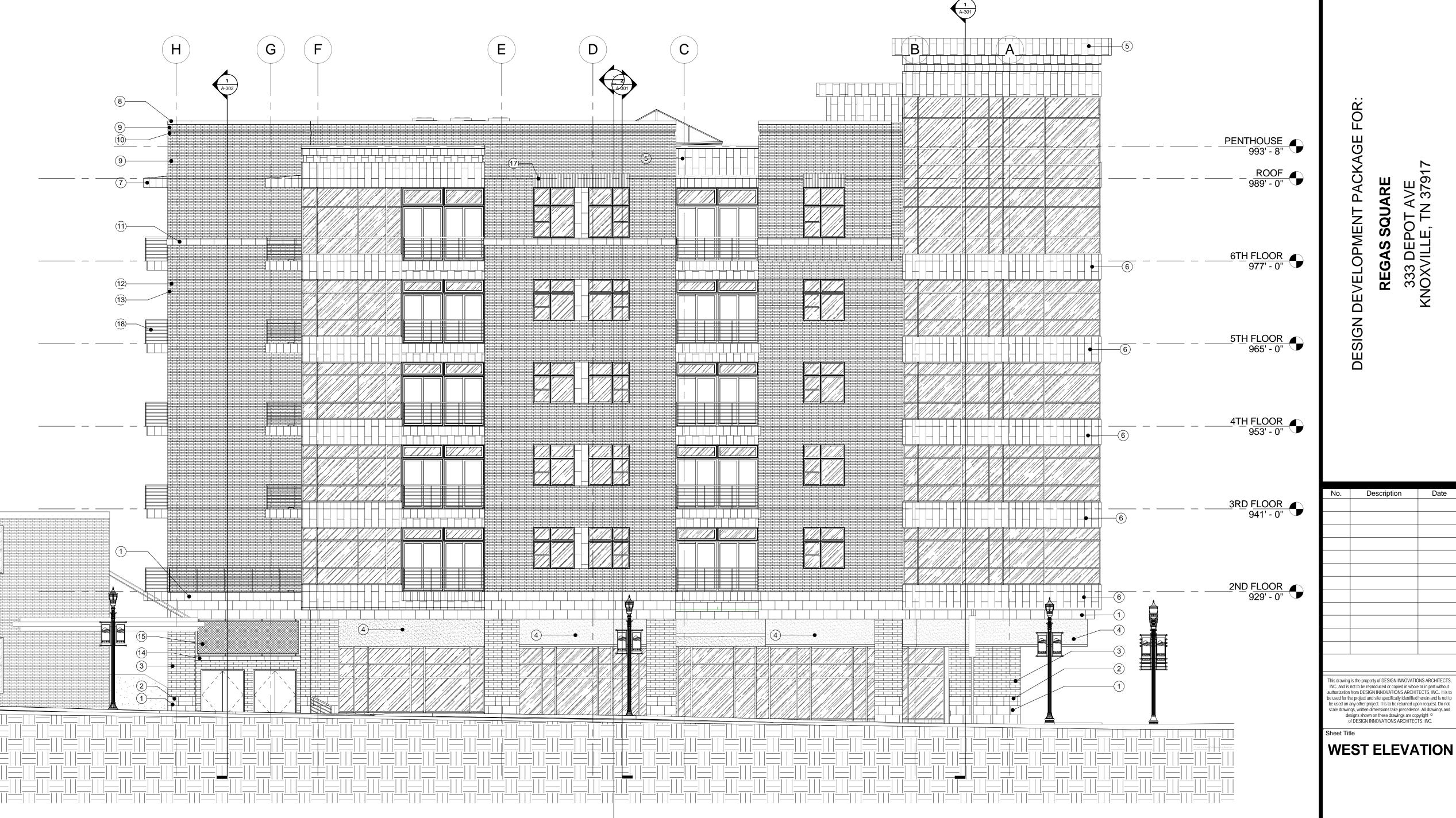
11. SEE SHEET AG004 FOR TYPICAL MASONRY DETAILS.

12. BRICK COLOR - A, U.N.O.

13. MECH. EQUIP. NOT SHOWN IN ELEVATIONS. SEE MECHANICAL

Keynotes - New Construction			
#	Keynote		
1	16"X24" PRAIRIE STONE		
2	8"X24" STONE WATER TABLE		
3	4"X16" BRICK		
4	STUCCO FINISH FASCIAS AND SOFFITS		
5	12"X36" ZINC METAL PANEL		
6	PARAPET W/ 12"X36" ZINC METAL PANEL & ZINC COPING		
7	ZINC COPING		
8	FACE BRICK - COLOR 'A'		
9	BRICK REVEAL - COLOR 'A'		
10	BALCONY COVER - 12"X36" ZINC METAL PANEL		
11	12"X24" PRECAST BANDING		
12	FACE BRICK - COLOR 'B'		
13	BRICK REVEAL - COLOR 'C'		
14	12"X24" PRECAST PRAIRIE STONE CAP		
15	CARL STAHL X-TEND FLEXIBLE STAINLESS STEEL MESH		
16	BRICK SOLDIER COURSE		
17	GLASS OR PAINTED STEEL RAILS		
18	BALCONY FACE - 12"X36" ZINC METAL PANEL		
19	RECESSED FLUSH MOUNTED FROSTED GLASS LIGHT FIXTURES		
20	CURTAIN WALL SYSTEM; TYP		
21	MULTIPLE TENANT FLUSH WALL AND PROJECTING BLADE SIGNS - QUANTITY, LOCATION AND DESIGN T.B.D. PER TENANT NEEDS (TYP.)		
22	ALUMINUM WINDOWS		





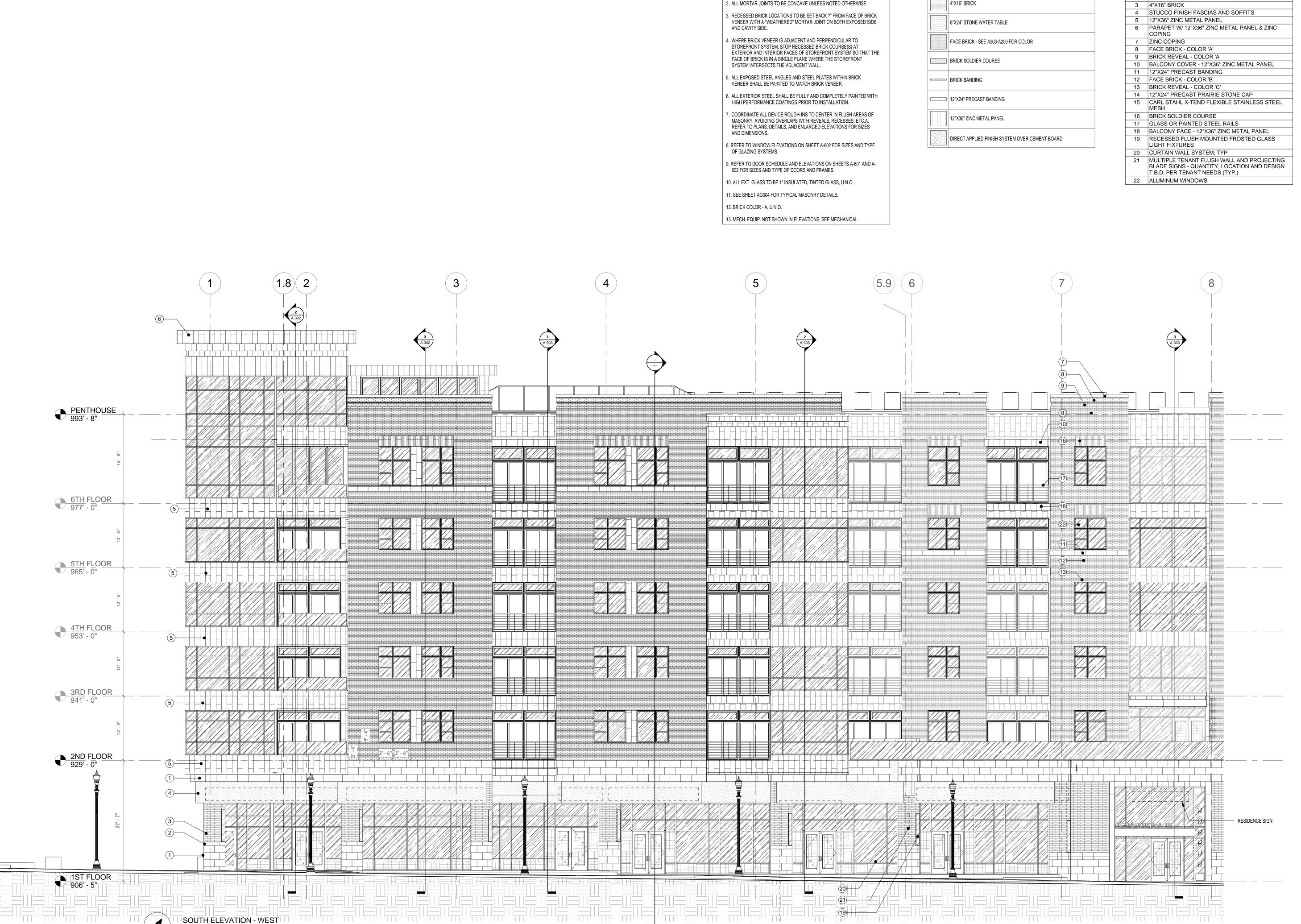
AM 1/30/2015 8:50:10

WEST ELEVATION

Sheet Number A-203 05/21/15

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Description



8:50:24

1/30/2015

1/8" = 1'-0"

GENERAL NOTES - EXTERIOR ELEVATIONS

1. "C.J." INDICATES THE LOCATION OF A "CONTROL JOINT". "E.J." INDICATES THE LOCATION OF AN "EXPANSION JOINT". "B.E.J." INDICATES THE

LOCATION OF A "BUILDING EXPANSION JOINT".

EXTERIOR MATERIAL LEGEND Keynotes - New Construction 16"X24" PRAIRIE STONE 1 16"X24" PRAIRIE STONE 2 8"X24" STONE WATER TABLE 4"X16" BRICK 3 4"X16" BRICK

Innovation

PACKAGE SQUARE

333 DEPOT AVE KNOXVILLE, TN 3791

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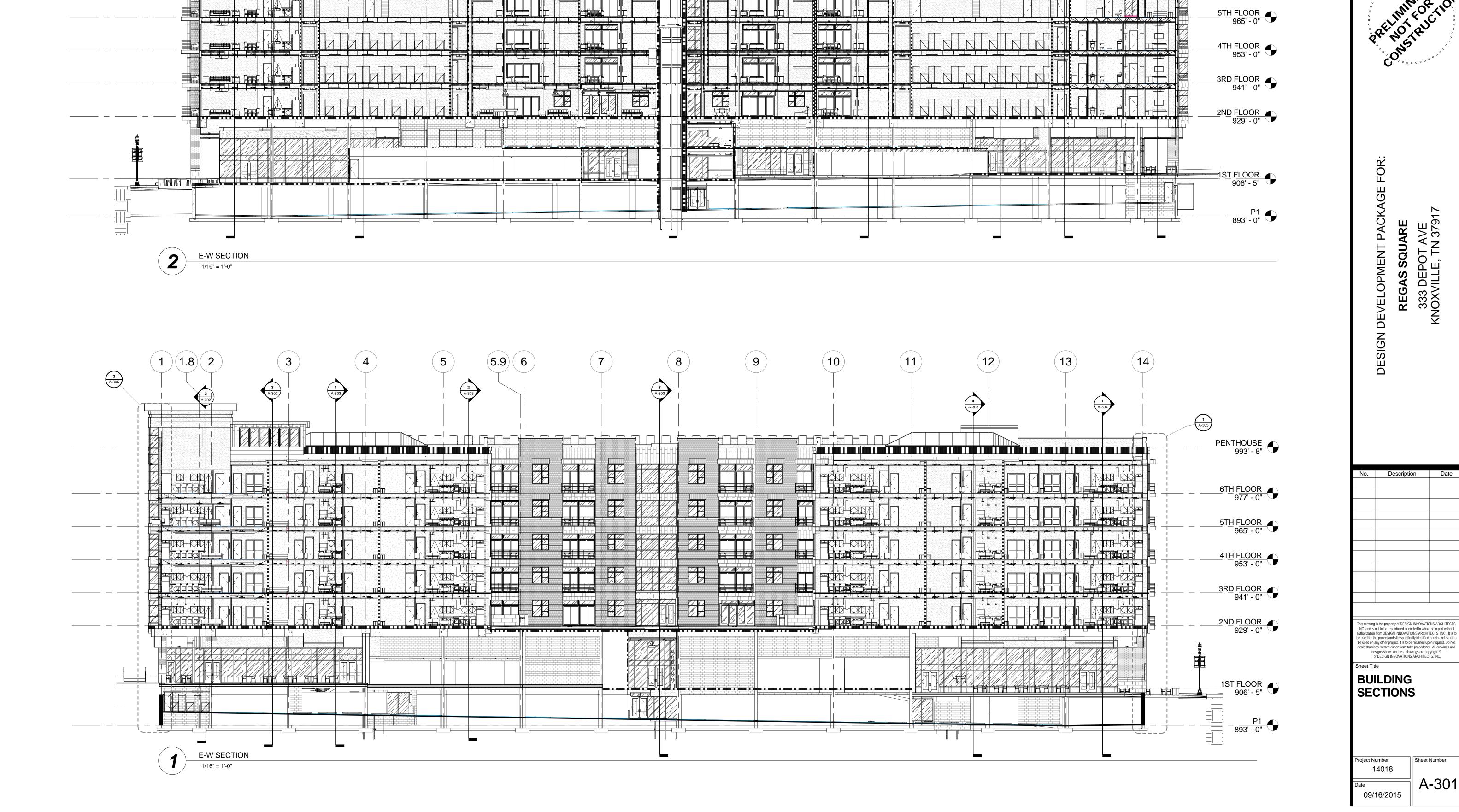
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SOUTH **ELEVATION -**WEST

09/16/2015

A-204

Sheet Number



9

(13)

A-304

(11)



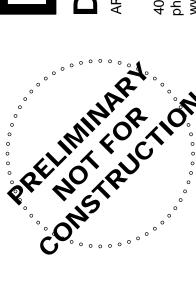
333 DEPOT AVE (NOXVILLE, TN 37917

REGAS SQUARE

Description

Sheet Number

A-30²





21.8

PENTHOUSE 993' - 8"

6TH FLOOR 977' - 0"

ROOF 989' - 0"

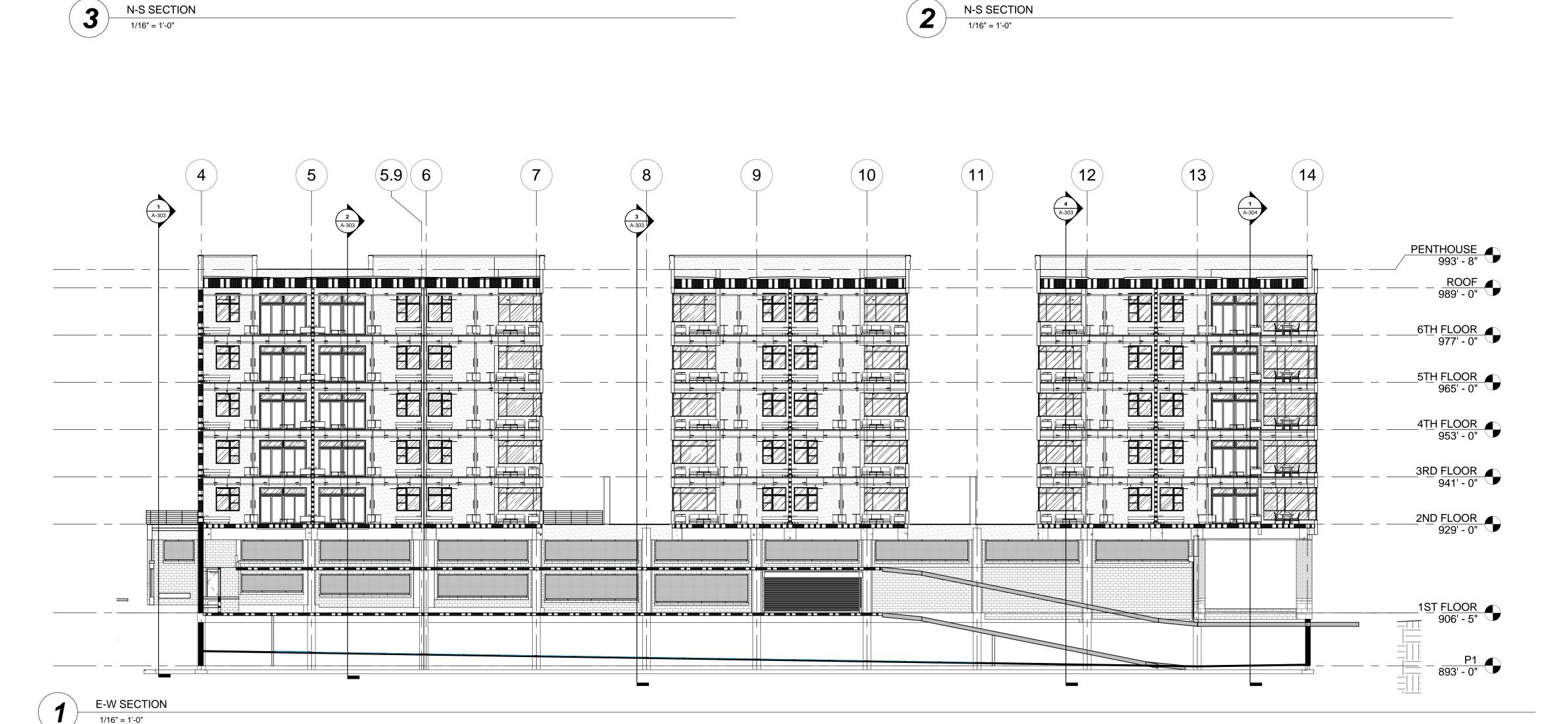
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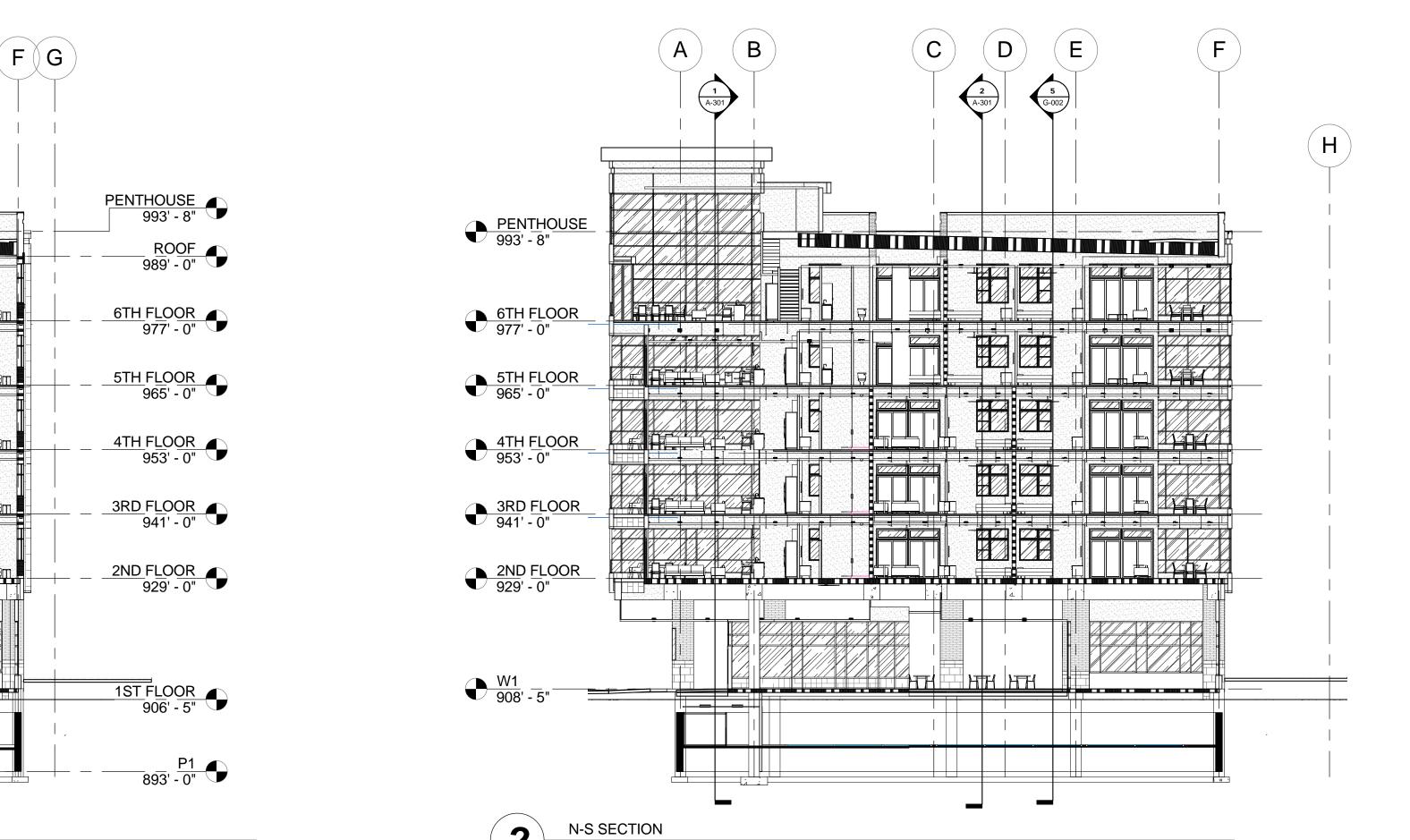
1 A-303

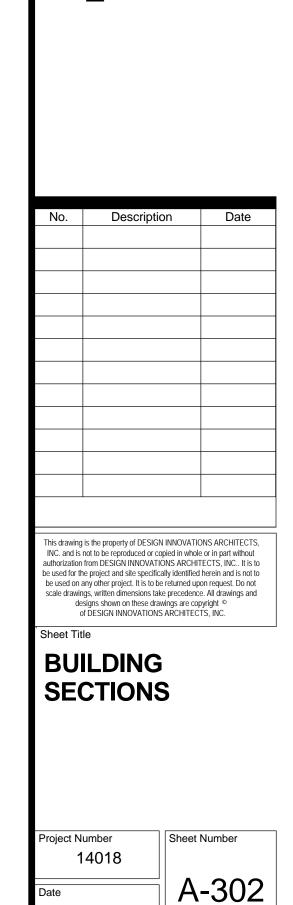
6 (5.9)

В

D







09/16/2015

DESIGN DEVELOPMENT PACKAGE FOR:

REGAS SQUARE

333 DEPOT AVE

KNOXVILLE, TN 37917

Design Innovation

ARCHITECTS + INTERIORS + PLANNING

A02 S. Gay Street, Suite 201, Knoxville, TN 379

METAL COPING; TYPICAL

PENTHOUSE 993' - 8"

ROOF 989' - 0"

MASONRY VENEER W/ 2" AIR SPACE, 2" XPS INSULATION, LIQUID APPLIED WEATHER BARRIER, GOLD BAND

METAL COPING; TYPICAL

PENTHOUSE 993' - 8"

PENTHOUSE 993' - 8"

PENTHOUSE 993' - 8"

ROOF 989' - 0"

A 8:54:56 1/30/2015

GENERAL NOTES - WALL SECTIONS

A. FIRE RATED EXTERIOR METAL STUD WALLS TO BE UL# U418.

B. 1HR RATED TO HAVE (2) LAYERS, 1/2" GYP. BD INTERIOR SIDE.

A. 2HR FIRE RATED EXTERIOR WOOD STUD WALLS TO BE UL# U356.

C. FOR 2HR WD WALLS ADD (1)LAYER 5/8" TYP X GYPSUM BD (UL# U302)

3. IF SMARTCI (http://smartcisystems.com/) ENGINEERED INSULATION SYSTEM IS USED ELIMINATE LIQUID APPLIED WEATHER BARRIER. PRICING THIS

4. COORDINATE EXTERIOR FINISH MATERIALS WITH EXTERIOR ELEVATIONS.

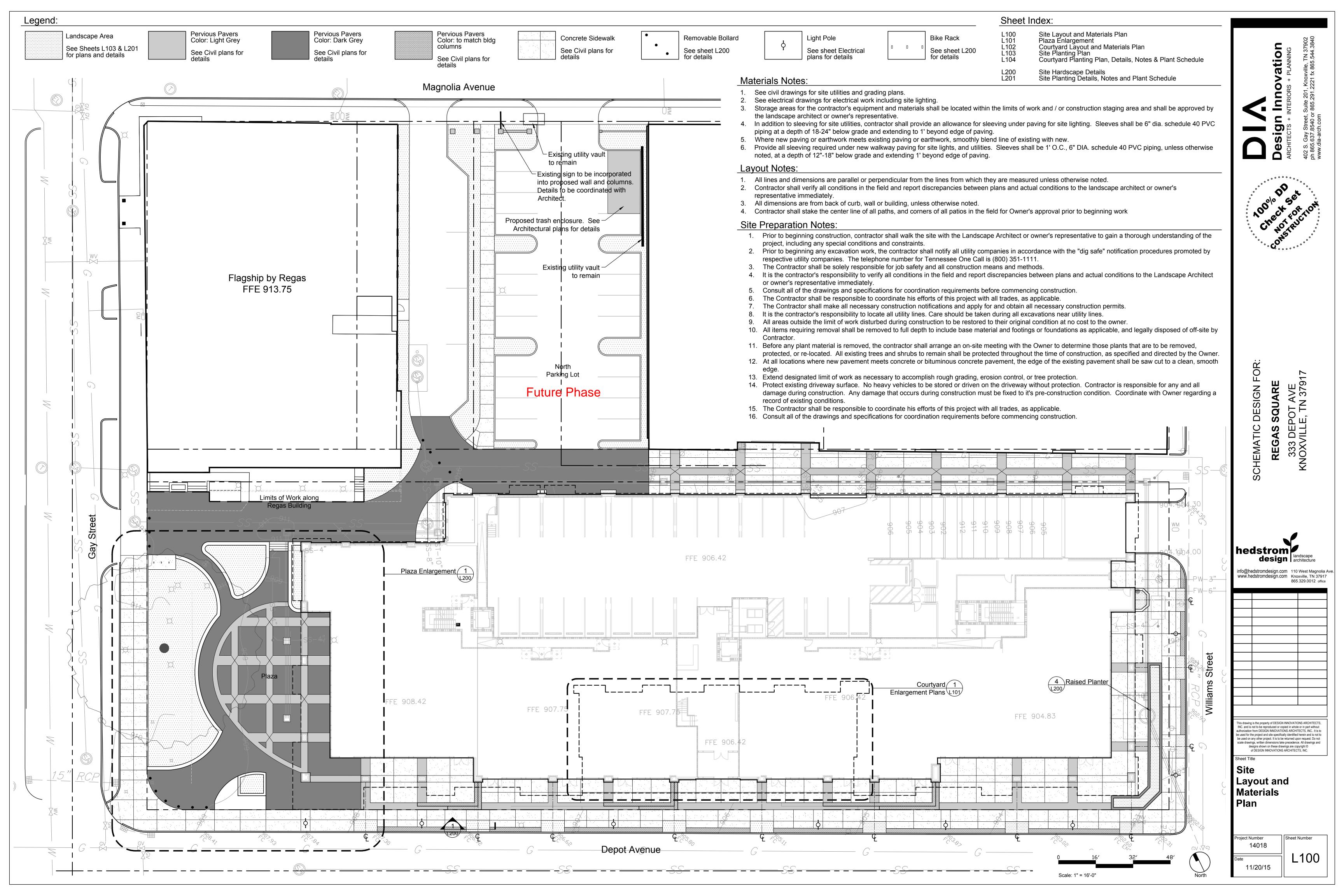
SYSTEM SHOULD CONSIDER LABOR COST NOT JUST MATERIAL COST.

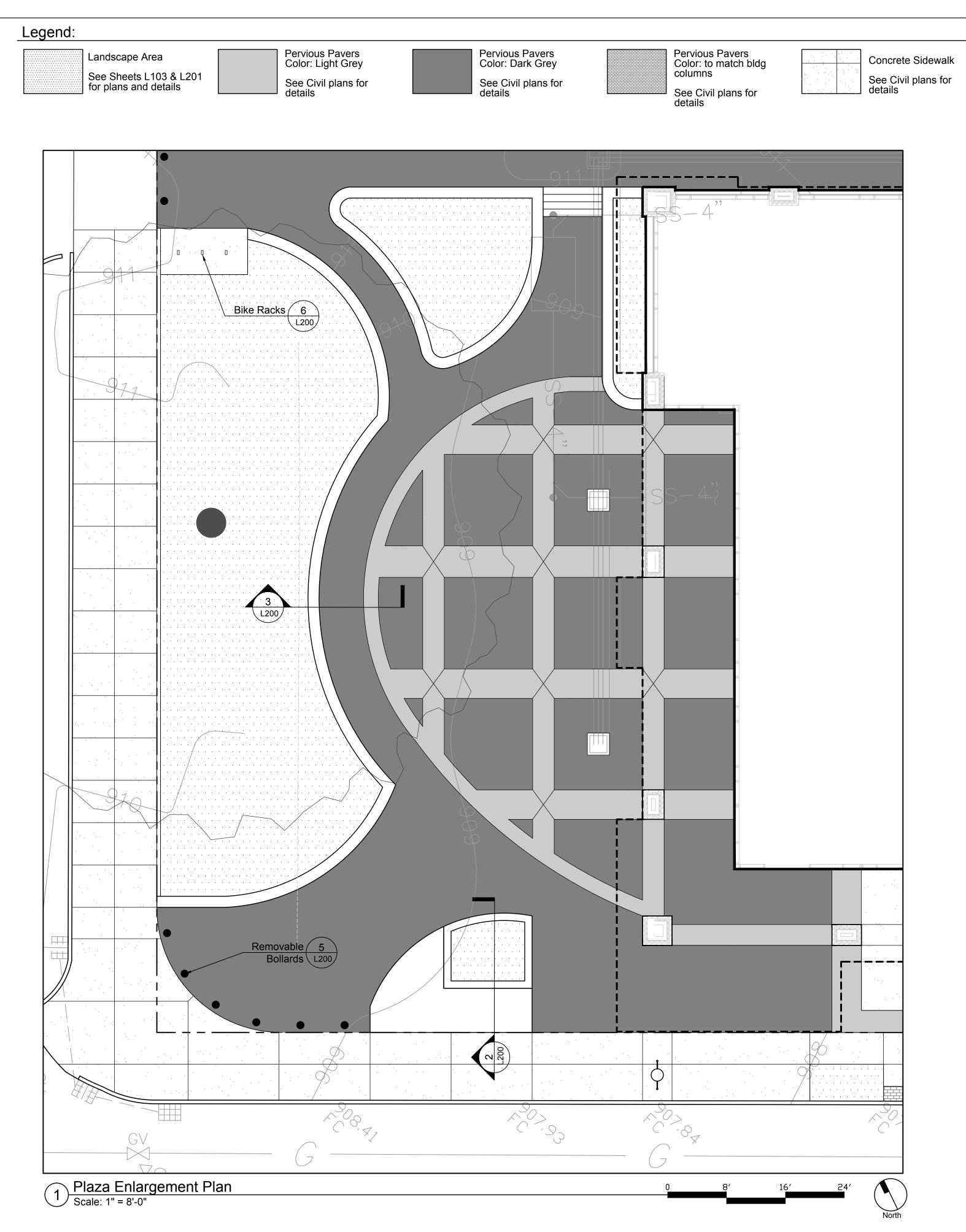
1. FIRE RATED EXTERIOR METAL STUD WALLS:

2. FIRE RATED EXTERIOR WOOD WALLS:

C. 2HR RATED TO HAVE (3) LAYERS, 1/2" GYP. BD.

B. 1HR RATED EXTERIOR WOOD WALLS TO BE UL# U356.





Sheet Index:

L100 L101 L102 L103 L104

Site Layout and Materials Plan Plaza Enlargement Courtyard Layout and Materials Plan Site Planting Plan Courtyard Planting Plan, Details, Notes & Plant Schedule

Site Hardscape Details Site Planting Details, Notes and Plant Schedule

Materials Notes:

See sheet Electrical

plans for details

See civil drawings for site utilities and grading plans.

Light Pole

See electrical drawings for electrical work including site lighting.

3. Storage areas for the contractor's equipment and materials shall be located within the limits of work and / or construction staging area and shall be approved by the landscape architect or owner's representative.

4. In addition to sleeving for site utilities, contractor shall provide an allowance for sleeving under paving for site lighting. Sleeves shall be 6" dia. schedule 40 PVC piping at a depth of 18-24" below grade and extending to 1' beyond edge of paving.

5. Where new paving or earthwork meets existing paving or earthwork, smoothly blend line of existing with new.

7. Provide all sleeving required under new walkway paving for site lights, and utilities. Sleeves shall be 1' O.C., 6" DIA. schedule 40 PVC piping, unless otherwise noted, at a depth of 12"-18" below grade and extending 1' beyond edge of paving.

Layout Notes:

Removable Bollard

See sheet L200 for details

All lines and dimensions are parallel or perpendicular from the lines from which they are measured unless otherwise noted.

2. Contractor shall verify all conditions in the field and report discrepancies between plans and actual conditions to the landscape architect or owner's representative immediately.

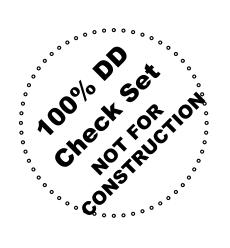
Bike Rack

See sheet L200 for details

3. All dimensions are from back of curb, wall or building, unless otherwise noted.

4. Contractor shall stake the center line of all paths, and corners of all patios in the field for Owner's approval prior to beginning work

Innovation INTERIORS + PLANNING Design
ARCHITECTS + II



REGAS SQUARE 333 DEPOT AVE (NOXVILLE, TN 37917

HEMATIC DESIGN FOR:



info@hedstromdesign.com 110 West Magnolia Ave. www.hedstromdesign.com Knoxville, TN 37917

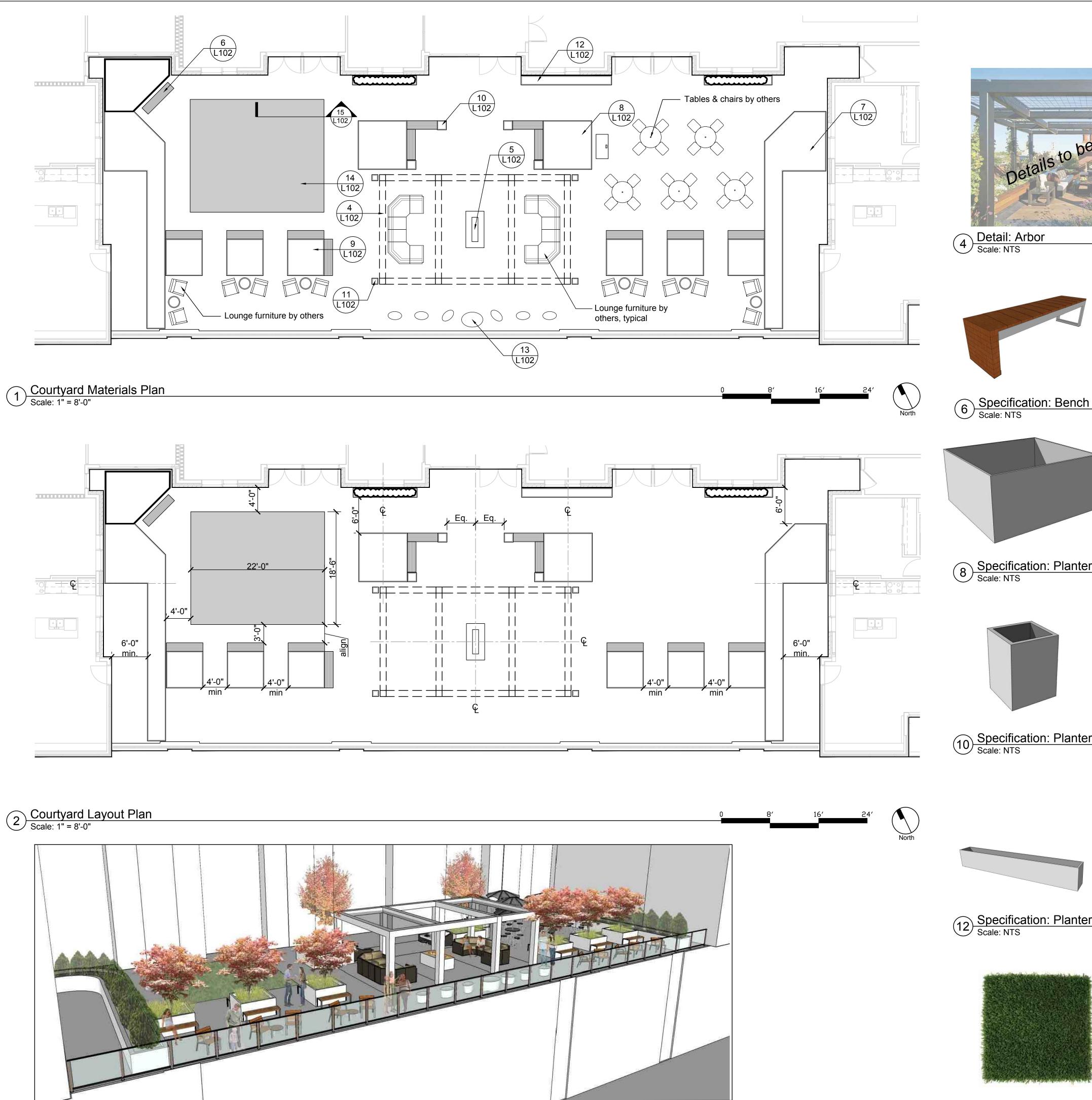
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Plaza

Enlargement

11/20/15



3 Courtyard Perspective View
Scale: NTS



4 Detail: Arbor Scale: NTS



By: Forms + Surfaces Model: Duo Bench

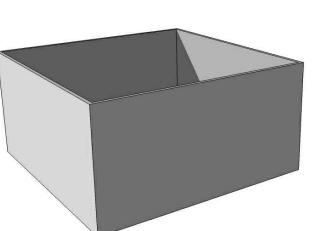
Backless Bench

Finish: TBD Size: 6' long and 5' long Qty: See plans

Forms+Surfaces

30 Pine Street

Pittsburgh, PA 15223 www.forms-surfaces.com ph: 800.451.0410



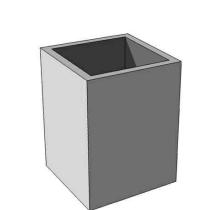
Square Planters

By: Planterworx Model: Site Square Color & Finish: TBD Size: 8' x 8' x 4' ht

Qty: 2

Planterworx 987 Essex Street Brooklyn, NY 11208 www.planterworx.com ph: 718.963.0564

8 Specification: Planter A Scale: NTS



Square Planters

By: Planterworx Model: Site Square Color & Finish: TBD Size: 18" x 18" x 24" ht

Qty: 4

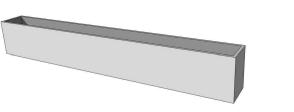
Planterworx 987 Essex Street Brooklyn, NY 11208 www.planterworx.com ph: 718.963.0564

Specification: Planter C
Scale: NTS

Linear Planters

By: Planterworx Model: XP Square (custom size) Color & Finish: TBD Size: 18" x Length (match building) x 24" ht

Qty: 2



Planterworx 987 Essex Street Brooklyn, NY 11208 www.planterworx.com ph: 718.963.0564

Specification: Planter E

Scale: NTS



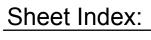
Artificial Turf

By: Forever Lawn Model: Playground Grass Discovery Qty: approx. 410 sf

Forever Lawn 5801 Mayfair Rd., Suite 4 North Canton, OH 44720 www.playgroundgrass.com ph: 866.992.7876

Specification: Artificial Turf

Scale: NTS



Site Layout and Materials Plan Plaza Enlargement Courtyard Layout and Materials Plan Site Planting Plan Courtyard Planting Plan, Details, Notes & Plant Schedule L100 L101 L102 L103 L104

Site Hardscape Details Site Planting Details, Notes and Plant Schedule



5 Detail: Fire Table
Scale: NTS

Custom Planter By: Planterworx Model: XP Corner Edging System Finish: TBD

Innovation
TERIORS + PLANNING

Design

ADOOOD SET FOR TION

FOR:

HEMATIC DESIGN

hedstrom

design landscape architecture

info@hedstromdesign.com 110 West Magnolia Ave. www.hedstromdesign.com Knoxville, TN 37917

865.329.0012 office

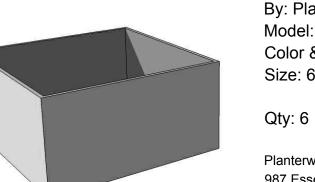
REGAS SQUARE 333 DEPOT AVE KNOXVILLE, TN 37917

Size: Irregular, see plan

Planterworx 987 Essex Street Brooklyn, NY 11208 www.planterworx.com ph: 718.963.0564

7 Specification: Custom Planter
Scale: NTS

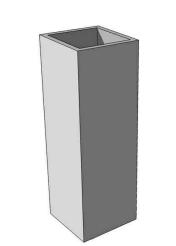
Square Planters By: Planterworx



Model: Site Square Color & Finish: TBD Size: 6' x 6' x 3' ht

Planterworx 987 Essex Street Brooklyn, NY 11208 www.planterworx.com ph: 718.963.0564

9 Specification: Planter B
Scale: NTS



Square Planters By: Planterworx Model: Site Square Color & Finish: TBD

Size: 1' x 1' x 3' ht

Qty: 4

Planterworx 987 Essex Street Brooklyn, NY 11208 www.planterworx.com ph: 718.963.0564

Specification: Planter D

Scale: NTS

Maya Lin Stones

By: Knoll Studio Model: Maya Lin Adult Stones, Maya Lin Coffee Table Color & Finish: TBD Size: Stone: 27"x19"x15"ht Table: 42"x29.5"x11"ht

Qty: See Plans

www.knoll.com ph: 718.963.0564



14018

Sheet Number

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Courtyard

Layout and

Materials

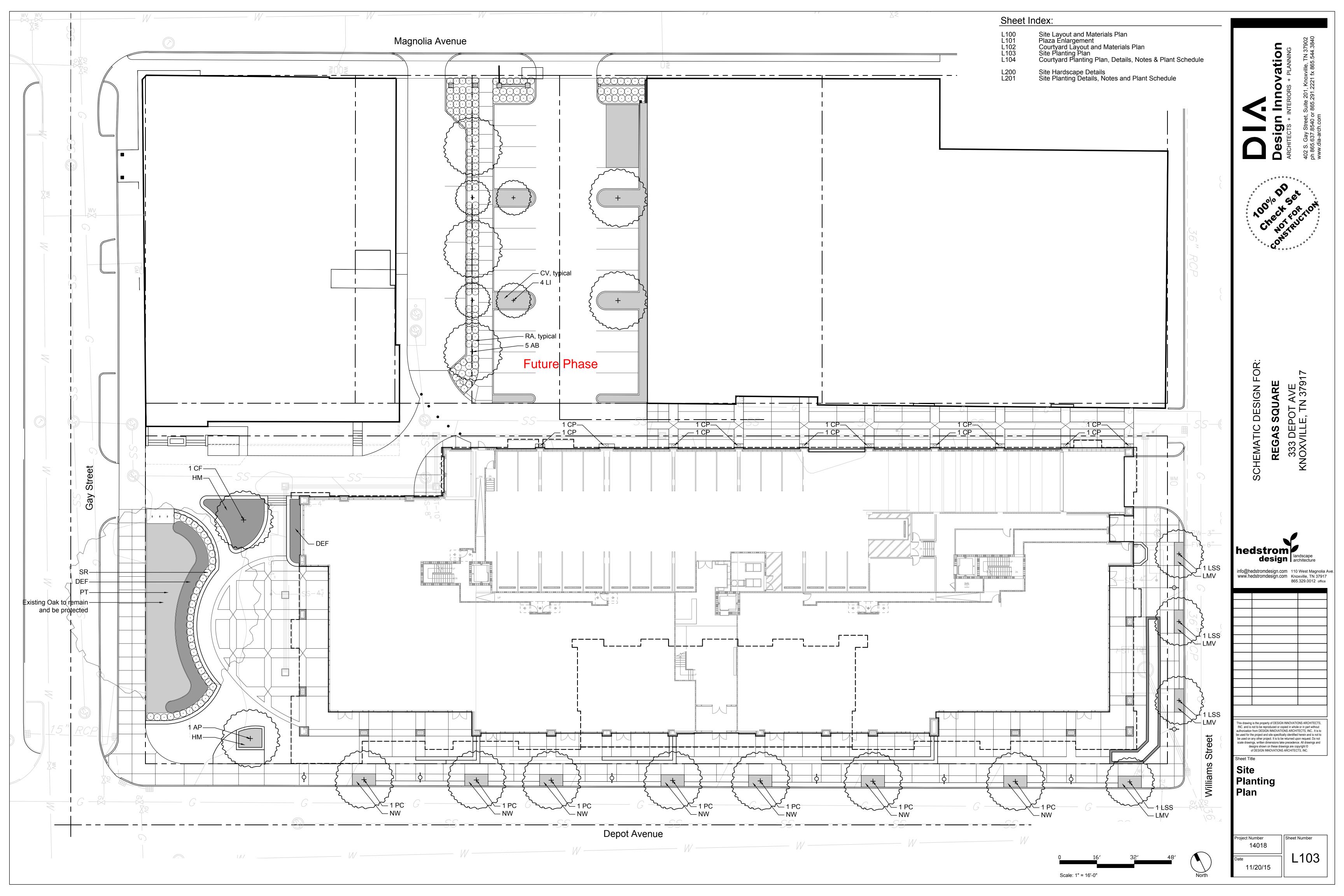
Plan

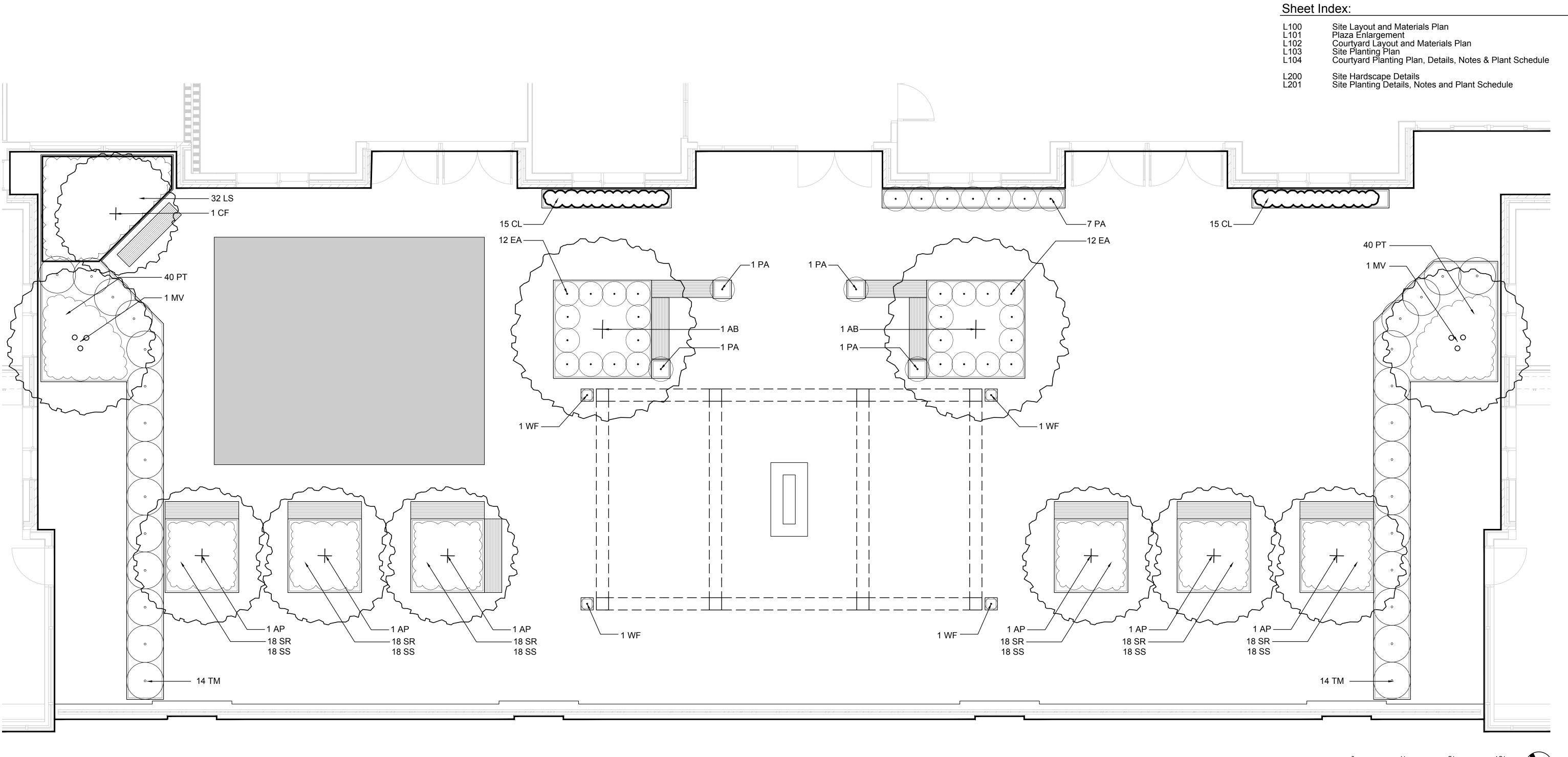
11/20/15

Detail: Artificial Turf
Scale: NTS

Specification: Maya Lin Stones

Scale: NTS





Plant Schedule

Key	Qty	Botanical Name	Common Name	Size	Notes
HADE	TREES				
NΒ	2	Acer buergerianum	Trident Maple	3" cal.	10' CT-central leader, full, well and low branched
DRNAM	MENTAL 7	TREES			
CF	1	Cornus florida 'Appalachain Snow'	Flowering Dogwood	2" cal.	Central leader, well branched, open branching habit
ΜV	2	Magnolia virginiana var. australis	Sweetbay Magnolia	12' hgt. min.	MT, 3 cane min., full & well branched
AP	6	Acer palmatum	Greenleaf Japanese Maple	2" cal.	Central leader, well branched, open branching habit
SHRUB	S				
TM	28	Taxus x media 'densiformis'	Densiformis Yew	4' min ht, B&B	3' o.c., full & dense
PEREN	NIALS, G	ROUNDCOVERS, & VINES			
CL	30	Chasmanthium latifolium	River Oats	1 gal.	12" o.c.
ΞA	24	Elymus arenarius 'Blue Dune'	Blue Dune Lyme Grass	3 gal.	24" o.c.
LS	32	Liriope spicata	Creeping Lilyturf	1 gal.	18" o.c.
PT	80	Pachysandra terminalis	Japanese Pachysandra	1 gal.	12" o.c.
PA	11	Pennisetum alopecuroides 'Cassian'	Cassian Dwarf Fountain Grass	3 gal.	24" o.c.
SR	108	Sedum rupestre 'Angelina'	Angelina Stonecrop	3 gal.	12" o.c.
SS	108	Sedum spurium 'John Creech'	John Creech Stonecrop	3 gal.	12" o.c.
WF	4	Wisteria frutescens 'Amethyst Falls'	Amethyst Falls American Wisteria	1 gal.	Purple Flower

Abbreviations

MT: Multi-trunk FTG: Full to ground B&B: Ball & Burlap GAL: Gallon CAL: Caliper OC: On Center CT: Clear Trunk MIN: Minimum HGT: Height DBH: Diameter at breast height

Notes

- Do not assume trunk flare will be exposed at the nursery. Trunk flare of each plant shall be exposed. Set tree so that no part of the trunk flare is buried. Do not cover the trunk flare with mulch.
- Plant selections are for pricing only; final selections will be determined prior to installation.

O 4' 8' 12'
Scale: 1" = 4'-0"

North

HEMATIC DESIGN FOR: REGAS SQUARE 333 DEPOT AVE KNOXVILLE, TN 37917 hedstrom landscape architecture info@hedstromdesign.com 110 West Magnolia Ave. www.hedstromdesign.com Knoxville, TN 37917 865.329.0012 office This drawing is the property of DESIGN INNOVATIONS ARCHITECTS, INC. and is not to be reproduced or copied in whole or in part without authorization from DESIGN INNOVATIONS ARCHITECTS, INC.. It is to be used for the project and site specifically identified herein and is not to be used for the project and size specifically identified inertial and is not be be used on any other project. It is to be returned upon request. Do not scale drawings, written dimensions take precedence. All drawings and designs shown on these drawings are copyright © of DESIGN INNOVATIONS ARCHITECTS, INC. Courtyard Planting Plan, Details, Notes, and Plant Schedule Sheet Number

11/20/15

Details to be determined and coordinated with Architect

Section: Tree Pit and Paver Strip

Scale: 1" = 1'-0"

2 Section: Plaza Art Stand and Planter
Scale: 1" = 1'-0"

3 Section: Plaza Seatwall
Scale: 1" = 1'-0"

Scale: 1" = 1'-0"



By: FairWeather Site Furnishings Model: B-4-8A2 Finish: TBD Size: 8" dia x 48" tall Options: Removable

Qty: See plans





Qty: See plans

Bike Rack

Model: Olympia Finish: TBD

By: Forms+Surfaces

Size: 3"x7" x 35.6" tall

www.forms-surfaces.com ph: 800.451.0410

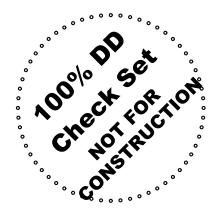
6 Specification: Bike Rack
Scale: NTS

Sheet Index:

Site Layout and Materials Plan Plaza Enlargement Courtyard Layout and Materials Plan Site Planting Plan Courtyard Planting Plan, Details, Notes & Plant Schedule L100 L101 L102 L103 L104

Site Hardscape Details Site Planting Details, Notes and Plant Schedule

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HEMATIC DESIGN FOR: REGAS SQUARE 333 DEPOT AVE KNOXVILLE, TN 37917



info@hedstromdesign.com 110 West Magnolia Ave. www.hedstromdesign.com Knoxville, TN 37917 865.329.0012 office

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Site Hardscape **Details**

11/20/15

Removable Bollards

www.fairweathersf.com ph: 800.323.1798

5 Specification: Removable Bollards
Scale: NTS



Planting Notes

- Contractor shall verify all existing conditions in the field and report any discrepancies to the Landscape Architect or Owner's Representative prior to starting work.
- 2. No planting shall occur until soil sample results have been received from all planting areas and soils are properly amended based on the results of the soil tests. See this sheet for soil sampling instructions.
- 3. No planting shall occur until percolation testing has been completed and soils have been properly amended to drain. See this sheet for percolation
- 4. All new plant material shall conform to the guidelines established for nursery stock published by the American Association of Nurserymen, Inc. In addition, all new plant material for the project shall be of the highest specimen quality.
- 5. Do not assume trunk flare will be exposed at the nursery. Contractor to expose trunk flares to check for root girdling. Prior to planting, pull soil away from the trunk flare of the trees. After installation, pull mulch away from the trunk flare of trees and from the base of all shrubs.
- 6. All new plants shall be balled and burlapped or container grown unless otherwise noted on the plant list.
- 7. The Contractor shall locate and verify all existing utility lines prior to planting and report any conflicts to the Landscape Architect.
- 8. No plant material shall be planted before acceptance of rough grading. The finished grade shall not cover any part of the tree trunk flare. See tree planting detail.
- 9. Stake location of all proposed trees and planting areas for approval by the Landscape Architect or Owner's Representative prior to planting.
- 10. All lawn areas disturbed by construction operations inside and outside the limit of work shall be prepared and seeded as specified.
- 11. Prepare all shrub beds with planting soil to a minimum depth matching the depth of shrub root balls; prepare perennial beds with a minimum of 12" planting loam; prepare groundcover beds with a minimum of 6" planting loam.
- 12. All plant beds are to receive two inches (2") of double shredded hardwood mulch as specified.
- 13. Thoroughly water trees and shrubs during the first 24 hours after planting. Wet the soil to a depth of 18-24". When runoff starts, stop watering, let the water soak in and repeat until the proper depth is wet.
- 14. Any proposed substitutions of plant species shall be made with plants of equivalent overall form, height, branching habit, flower, leaf, color, fruit, and culture only as approved by the Landscape Architect.
- 15. All areas to be seeded or sodded shall receive soil preparation as specified prior to seeding or sodding, unless otherwise noted on plan.
- 16. Contractor's base bid to include all materials, labor, permits, equipment, tools, insurance, etc. to perform the work as described in the contract documents.
- 17. Contractor to complete work within schedule established by Owner.
- 18. Contractor to provide one year warranty for all material from date of substantial completion. Plant material delivered to the site that does not meet the requirements stated herein may be rejected by the Owner's Representative.
- 19. Contractor to provide interim maintenance (watering, pruning, fertilizing, guying, mowing, trimming, adequate drainage of ponding areas, edging, weeding, mulching, and general landscape clean-up) until substantial completion notice is provided by the Owner's Representative. Application of insecticides/herbicides must be approved by Landscape Architect prior to use on site.
- 20. See civil drawings for further information regarding:
- Erosion and sediment control.
- Locations of existing and proposed structures, paving, driveways, cut and fill areas, and retention areas.
- Limits of construction.
- Locations of existing and proposed utilities or easements.
- 21. Plant beds to join walks or walls at an angle between 90° & 60°.
- 22. Planting plans are not layout plans. Plants may need to be shifted in the field, based on the existing conditions. Coordinate with the Landscape Architect prior to any changes.
- 23. Square footage of turf quantities is approximate and is an estimate of the disturbed areas. Contractor to verify quantities prior to purchase and installation.

Instructions For Existing Soil Sampling:

- 1. Using a spade, dig a v-shape hole to a 6" depth; then cut a thin slice of soil from one side of the hole. Place the slice in a plastic bucket, do not use a metal bucket. Mix slices together and fill a plastic sample bag with three (3) cups of dirt. The sample bags can be ziploc bags that are labeled with the project name and sample number.
- 2. A well mixed composite from 10 to 20 random locations should be subsampled to make the three (3) cup
- 3. Mark the plan to show soil sample locations.
- 4. Send samples to A & L Analytical Labs, Inc., 2790 Whitten Road, Memphis, Tennessee 38133, 800-264-4522, www.al-labs.com.
- 5. Results to be copied to the Owner.

Percolation Test Notes

- 1. Dig a hole 18- 24" deep & a minimum of 6" wide.
- 2. Fill hole with water to the top and let drain for several hours. Ideally let the hole pre-wet over night and test the following day.
- 3. Refill hole to within a couple inches of the top.
- 4. To aid in measurement, place a stick across the top of the hole and use a second stick to mark periodic drops in water level; mark side of hole; or mark soil on side of hole with nail or stick.
- 5. Measure drop in water level after 30 minutes and one hour. If possible measure drop in water level the next
- 6. Determine drop in water level per hour. If water level in hole drops more than one inch per hour. it is well drained and suitable for all plant species.

Abbreviations

DBH: Diameter at breast height

MT: Multi-trunk B&B: Ball & Burlap CAL: Caliper CT: Clear Trunk HGT: Height

FTG: Full to ground GAL: Gallon

OC: On Center MIN: Minimum

L100 L101 L102 L103 L104

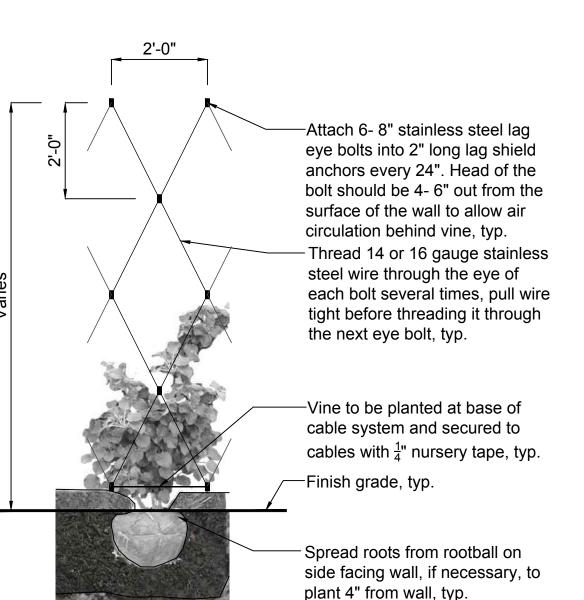
Sheet Index:

Site Layout and Materials Plan Plaza Énlargement Courtyard Layout and Materials Plan Site Planting Plan Courtyard Planting Plan, Details, Notes & Plant Schedule

Site Hardscape Details Site Planting Details, Notes and Plant Schedule

Plant Schedule

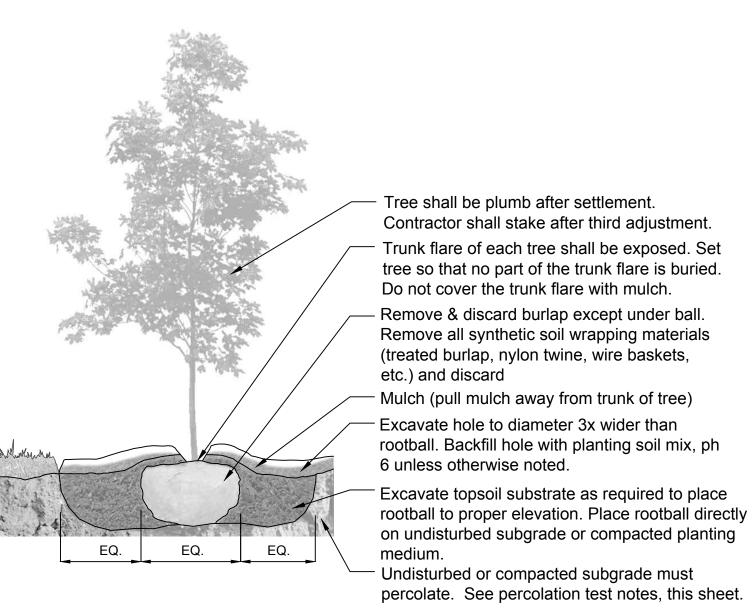
Key	Qty	Botanical Name	Common Name	Size	Notes
SHADE	TDEE				
AB	5	Acer buergerianum	Trident Maple	3" cal.	10' CT-central leader, full, well and low branched
		-			
LSS	4	Liquidambar styraciflua 'Slender Silhouette'	Slender Silhouette Sweetgum	2" cal.	6' CT -Central leader, full & matched, seedless
PC	6	Pistacia chinensis	Chinese Pistache	3" cal.	10' CT-central leader, full, well and low branched
ORNAM	ENTAL	TREES			
AP	1	Acer palmatum	Greenleaf Japanese Maple	2" cal.	Central leader, well branched, open branching habit
CK	1	Cornus kousa	Kousa Dogwood	2" cal.	Central leader, well branched, open horizontal branching habit
LI	4	Lagerstroemia indica x fauriei 'Natchez'	Natchez Crape Myrtle	8' hgt. min.	MT, 3 cane min., full & well branched
MS	1	Magnolia stellata	Star Magnolia	6' hgt. min.	MT, 3 cane min., full & well branched, trimmed & open below 3'
SHRUB	S				
AG		Abelia x grandiflora	Glossy Abelia	3 gal.	4' o.c., full & dense, white flowers
RA		Rhus aromatica 'Gro-Low'	Gro-Low Sumac	1 gal.	3' o.c.
SR		Sarcococca ruscifolia	Fragrant Sweet Box	3 gal.	3' o.c., full & dense
GROUN	DCOVI	ERS, PERENNIALS, & VINES			
CV		Carex vulpinoidea	Fox Sedge	1 gal.	24" o.c.
СР		Clematis paniculata	Sweet Autumn Clematis	1 gal.	1 per planter
DEF		Dryopteris erythrosora 'Brilliance'	Brilliance Autumn Fern	1 gal.	24" o.c.
НМ		Heuchera micrantha 'Palace Purple'	Palace Purple Heuchera	1 gal.	12" o.c.
LMV		Liriope muscari 'Variegata'	Variegated Liriope	1 gal.	12" o.c.
NW		Nepeta 'Walker's Low'	Walker's Low Catmint	1 gal.	24" o.c.
PT		Pachysandra terminalis	Japanese Pachysandra	1 gal.	12" o.c.
PA		Pennisetum alopecuroides 'Cassian's Choice'	Cassian's Choice Pennisetum	3 gal.	3' o.c.



∨ Vine Planting Detail

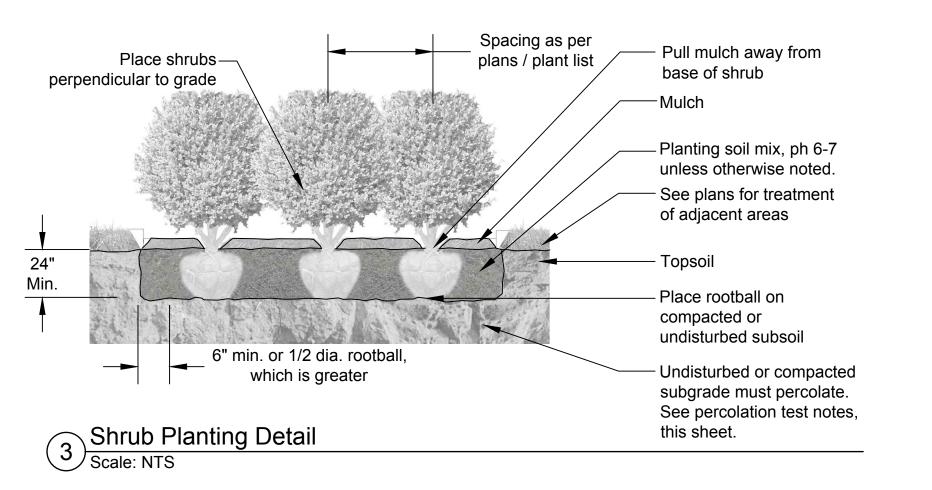
Lag Shield Installation:

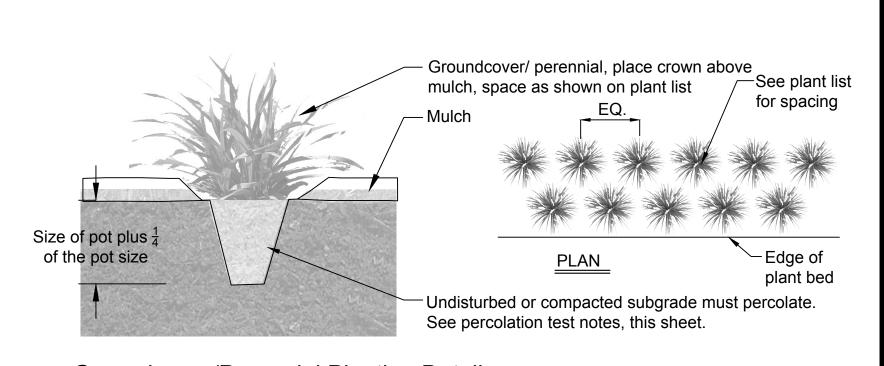
- Drill hole of reccommended diameter into base material equal to the length of the expansion anchor plus one half inch $(\frac{1}{2}")$ or more.
- Clean the hole of all dust and cuttings.
- Place the expansion anchor, ribbed and first into hole. tap with a hammer until flush with the surface of the base material.
- Position the material to be fastened over the shield in the base material and screw in the lag screw.
- If the lag screw begins to torque-up or tighten before the head of the lag screw mates up against the object being fastened, the shield should be driven deeper into the hole by hand hammering the head of the lag screw until flush to the object being fastened. re-tighten the lag screw to complete the expansion of the shield and to secure the material being fastened.



Note: Do not assume trunk flare will be exposed at the nursery. Trunk flare of each plant shall be exposed. Set tree so that no part of the trunk flare is buried. Do not cover the trunk flare with mulch.

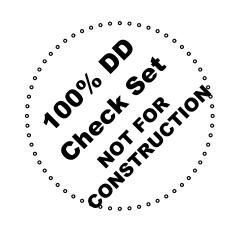
2 Deciduous Tree Planting Detail
Scale: NTS





Groundcover/Perennial Planting Detail Scale: NTS

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info@hedstromdesign.com 110 West Magnolia Ave. www.hedstromdesign.com Knoxville, TN 37917 865.329.0012 office

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Site Planting Details, **Notes and Plant**

Sheet Number

Schedule

11/20/15



PRELIMINARY NOT FOR CONSTRUCTION CONCEPTUAL DESIGN IS SUBJECT TO CHANGE WITH PROJECT DEVELOPMENT

 DATE:
 2015/10/07

 PROJECT NUMBER:
 14018

 SHEET NUMBER:
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