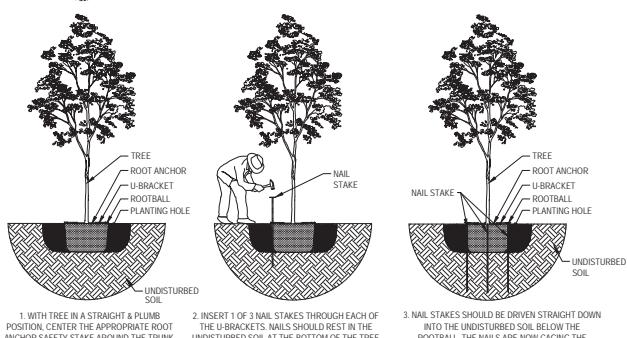


Tree Stake
Solutions
9973 FM 521 ROAD
ROSHARON, TX 77583
PHONE: (281) 778-1400
FAX: (281) 778-1425
www.treestakesolutions.com



1. WITH TREE IN A STRAIGHT & PLUMB POSITION CENTER THE APPROPRIATE ROOT ANCHOR SAFETY STAKE AROUND THE TRUNK. WITH RINGS LAYING FLAT AGAINST THE ROOTBALL, U-BRACKETS FACING UP.

2. INSERT 1 OF 3 NAIL STAKES THROUGH EACH OF THE U-BRACKETS. NAILS SHOULD REST IN THE UNDISTURBED SOIL AT THE BOTTOM OF THE PITT. ALL NAILS SHOULD SNUG AGAINST THE SIDE OF THE ROOTBALL.

(FOR HAND OR MACHINE DUG TREES, IT MAY BE NECESSARY TO PENETRATE 1"-4" OF OUTER AREA OF THE ROOTBALL WITH THE NAIL.)

ROOT ANCHORMT BELOW GRADE SAFETY STAKE SIZING CHART					
ITEM #	DESCRIPTION	MAIL LENGTH X 3PC	ITEM #	DESCRIPTION	MAIL LENGTH X 3PC
5 BG	5 GALLON OR 10" ROOTBALL	#4 X 24"	100 BG	95/100 GALLON OR 35" ROOTBALL	#5 X 48"
15 BG	10/15 GALLON OR 17" ROOTBALL	#4 X 36"	150 BG	150 GALLON OR 42" ROOTBALL	#5 X 60"
30 BG	20/30 GALLON OR 22" ROOTBALL	#4 X 36"	200 BG	200 GALLON OR 48" ROOTBALL	#5 X 72"
45/65 BG	45/65 GALLON OR 27.30" ROOTBALL	#4 X 48"	300 BG	300 GALLON OR 58" ROOTBALL	#5 X 72"

① CANOPY TREE PLANTING

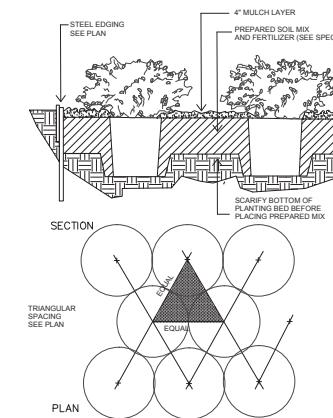
SCALE: NONE

② MULTI-TRUNK PLANTING

SCALE: NONE

③ SHRUB PLANTING

SCALE: NONE



④ GROUNDCOVER PLANTING

SCALE: NONE

TREE LEGEND

CO	Chinapin Oak
CE	Cedar Elm
CR	Crape Myrtle

ORNAMENTAL TREES

SO	Shumard Oak
----	-------------

SHRUB LEGEND

BM	Big Muhy	AJ	Asian Jasmine
DY	Dwarf Yaupon	PM	Pin Muhy
BA	Barberry	CS	Cherry Sage
NGL	New Gold Lantana	RY	Red Yucca
NR	Nellie R Stevens Holly	DB	Dwarf Burford Holly
DIH	Dwarf Indian Hawthorne	CO	Coreopsis
DA	Dwarf Abelia	GL	Giant Liriope

HATCH LEGEND

Solid Sod	Bermuda Grass	River rock
	Asian Jasmine	

LANDSCAPE NOTES

- The project will have an underground automatic irrigation system to water all new plantings.
- Install 4" layer of shredded hardwood mulch to all planting beds.
- Install 4" steel edging between all shrub beds and grass areas.
- Shrub beds to have 12 inches of prepared planting mix (75% import topsoil, 15% composted amendment, 10% washed sand)
- Shredded hardwood mulch must contain long strands along with double shred finer material obtained from a local source.
- Install 4" inches of clean topsoil in all areas of the site disturbed by grading and construction operations. Topsoil shall be free from stumps, debris and rock larger than 2 inches in diameter and have an organic matter level of 3 percent minimum and a pH range between 5.5 and 7.4 percent. Provide soil test analysis from a soil test laboratory showing soil makeup and organic percentage.
- Solid sod all areas disturbed by construction activities as shown on plan.

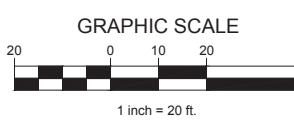
City of Richland Hills, Texas LANDSCAPE CALCULATIONS

Total Lot Area	29,411 SF	Required	Provided
Landscape area (15% reqd)	4,412 sf		6,455 (21.9%)
Site Trees			
1 large tree per 5000 SF of Total Lot	6 trees	8 proposed trees	
Landscape Setback			
15' width 124.87 LF			
1 large tree per 50 LF of street frontage	3 trees	3 proposed trees	
10 shrubs per 50 LF of frontage length	25 shrubs	28 shrubs	
Parking Lot Trees			
1 large tree per 20 spaces	2 trees	4 trees	
5% landscape area in parking area			
paring lot 10,862 SF	543 SF	750 SF	

PLANT LIST

CANOPY TREES		
2 CO	Chinapin Oak	Quercus muhlenbergia
4 CE	Cedar Elm	Ulmus crassifolia
2 SO	Shumard Oak	Quercus shumardii
ORNAMENTAL TREES		
1 CR	Crape Myrtle	Lagerstroemia indica 'Basham Pink'
SHRUBS & GROUNDCOVERS		
13 GL	Giant Liriope	Liriope gigantea
6 BM	Big Muhy	Muhlenbergia lindheimeri
10 DY	Dwarf Yaupon	Ilex vomitoria 'Nana'
3 BA	Barberry	Berberis thunbergii
12 NGL	New Gold Lantana	Lantana 'New Gold'
13 NR	Nellie R Stevens Holly	Ilex 'Nellie R Stevens'
10 DIH	Dwarf Indian Hawthorne	Raphiolepis indica 'Bay Breeze'
11 DA	Dwarf Abelia	Abelia x grandiflora 'Ed Goucher'
70 AJ	Asian Jasmine	Trachelospermum asiaticum
15 PM	Pin Muhy	Muhlenbergia capillaris
7 CS	Cherry Sage	Salvia greggii
9 RY	Red Yucca	Hesperaloe parviflora
56 DB	Dwarf Burford Holly	Ilex cornuta 'Burfordii'
6 CO	Coreopsis	Coreopsis 'Early Sunrise'

Note: All large and ornamental trees must be on bubbler/drip irrigation on separate zones from turf grass.



site integration studio
Landscape Architecture - Sustainable Site Planning - Natural Resource Design

John F. Murphy, ASLA

6647 Oak Hill Blvd.
Tyler, TX 75703
john@stein.com
sood@stein.com

512.632.3622 - Mobile
903.533.6996 - Tyler
512.569.9504 - Austin
www.stein.com

TEXAS REGISTRATION #14199

FILE #17381-0572

WWW.CLAYMOREENGINEERING.COM

REGISTERED LANDSCAPE ARCHITECT
JOHN F. MURPHY
STATE OF TEXAS
#973
5/18/18

103 CENTRAL DR. SUITE 400
BEDFORD, TX 76021

PHONE: (800) 272-2222

FAX: (800) 272-2222

WWW.CLAYMOREENGINEERING.COM

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LANDSCAPE ARCHITECTURE

LANDSCAPE DESIGN

LANDSCAPE PLANNING

LANDSCAPE CONSTRUCTION

LANDSCAPE MAINTENANCE

LANDSCAPE ARCHITECTURE

LANDSCAPE DESIGN

LANDSCAPE PLANNING

LANDSCAPE CONSTRUCTION

LANDSCAPE MAINTENANCE

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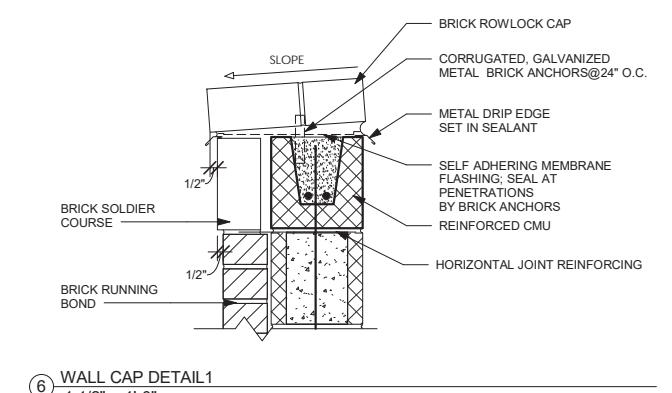
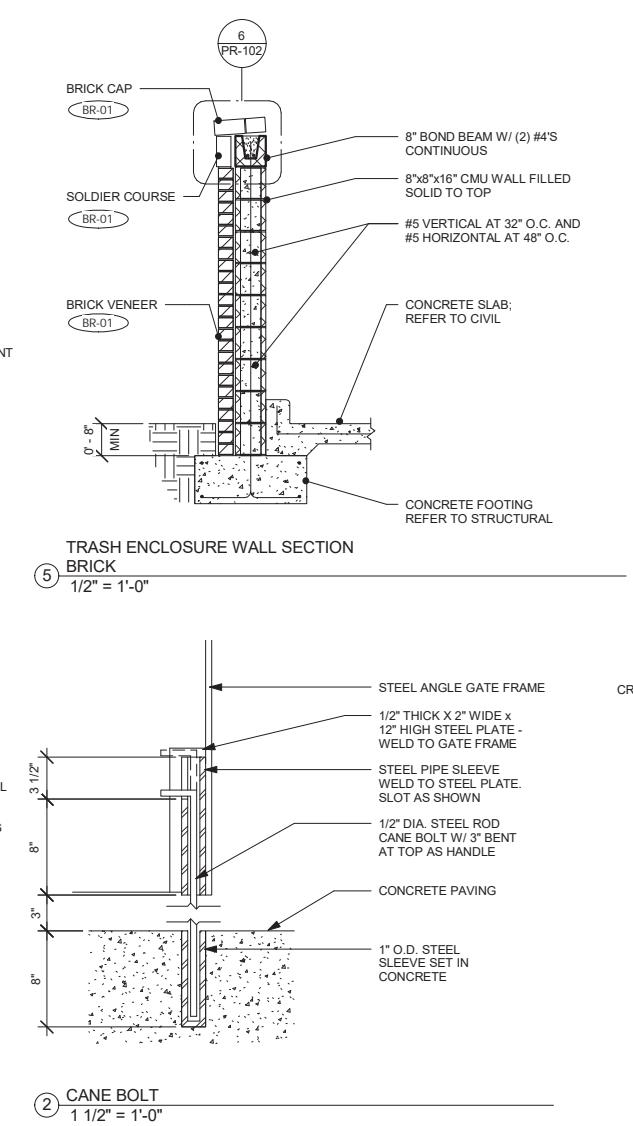
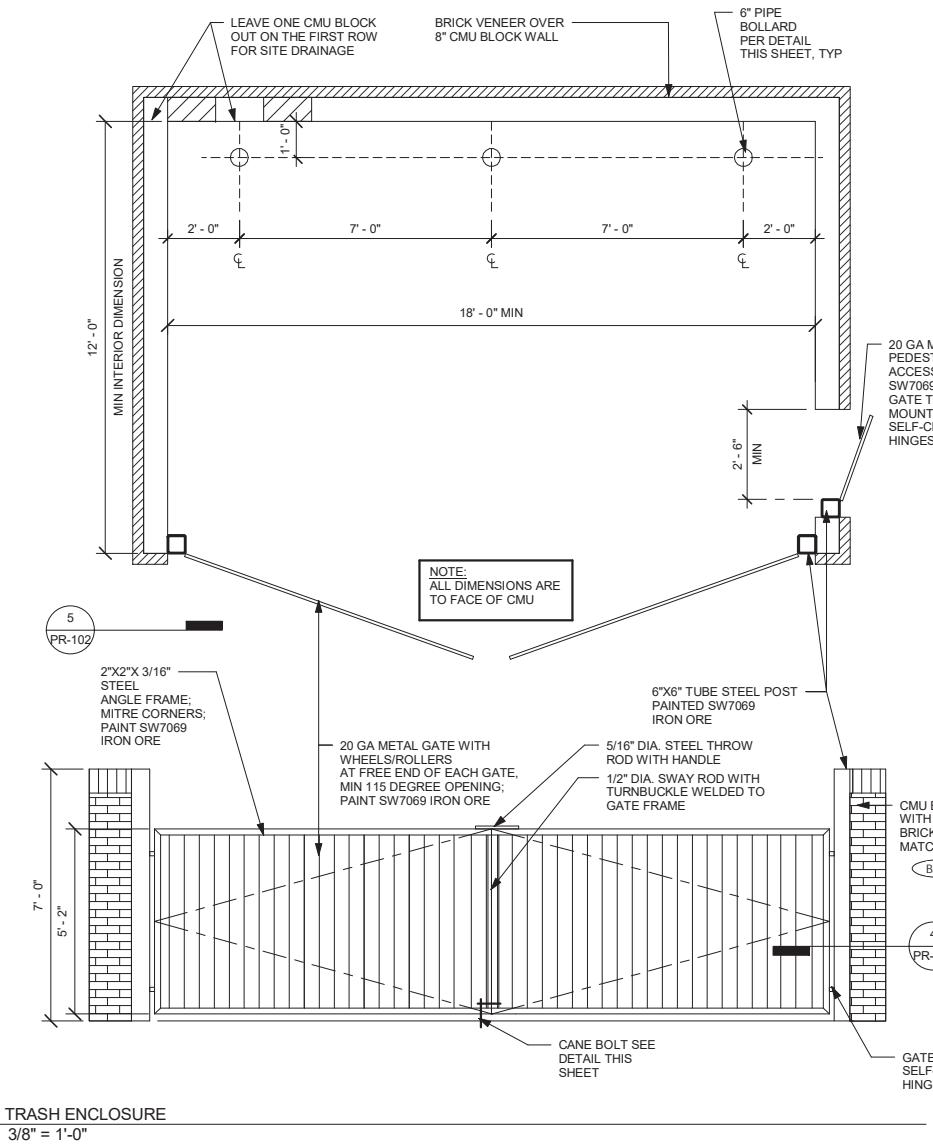
CHRISTON COMPANY
4300 ALPHA ROAD
SUITE 100
DALLAS, TX 75244
972-233-3333

REVISION SCHEDULE			
REV	DATE	BY	DESCRIPTIONS

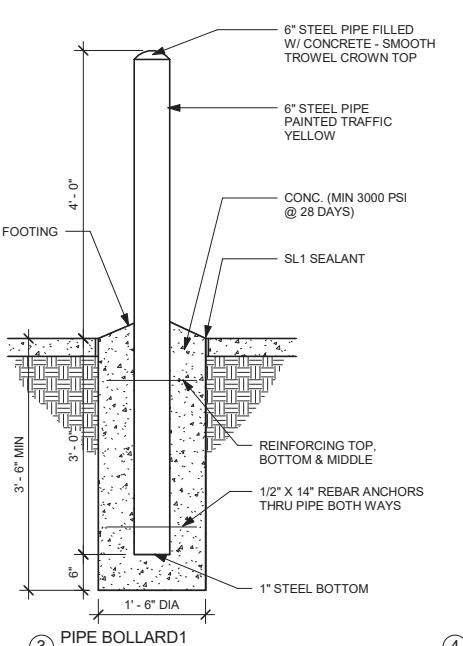
PROJECT NAME:
PRECINCT LINE SHELL BUILDING
PROJECT ADDRESS:
**PRECINCT LINE ROAD
NORTH RICHLAND HILLS, TX**

PROJECT #: 18-0006
ORIGINAL ISSUE DATE: 5-21-18
PRODUCTION DESIGNER: MH
CHECKED BY: MH
SHEET TITLE: DUMPSTER
ENCLOSURE EXHIBIT
SCALE: As indicated

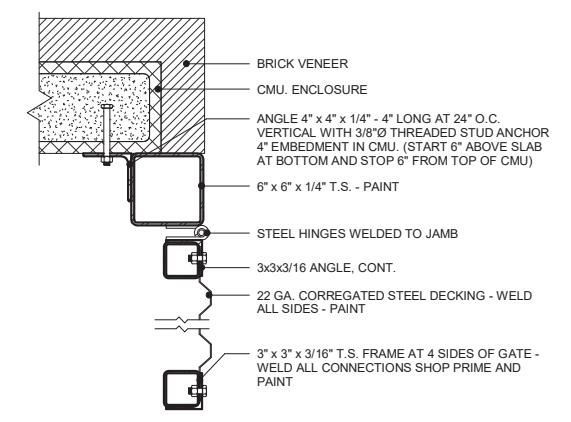
SHEET NUMBER: PR-102
CASE SP 2018-05



⑥ WALL CAP DETAIL1
1 1/2" = 1'-0"



③ PIPE BOLLARD1
3/4" = 1'-0"
④ GATE DETAIL
1 1/2" = 1'-0"



④ GATE DETAIL
1 1/2" = 1'-0"



BR-01
ACME BRICK
PALISADE
SMOOTH



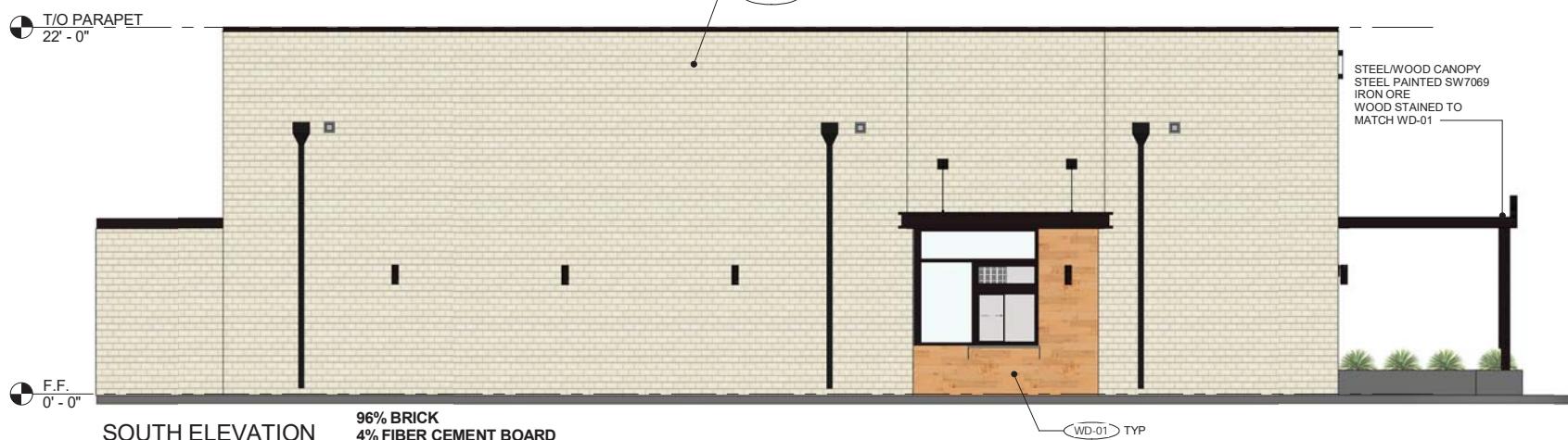
WD-01
NICHIAH
FIBER CEMENT PLANKS
VINTAGE CEDAR



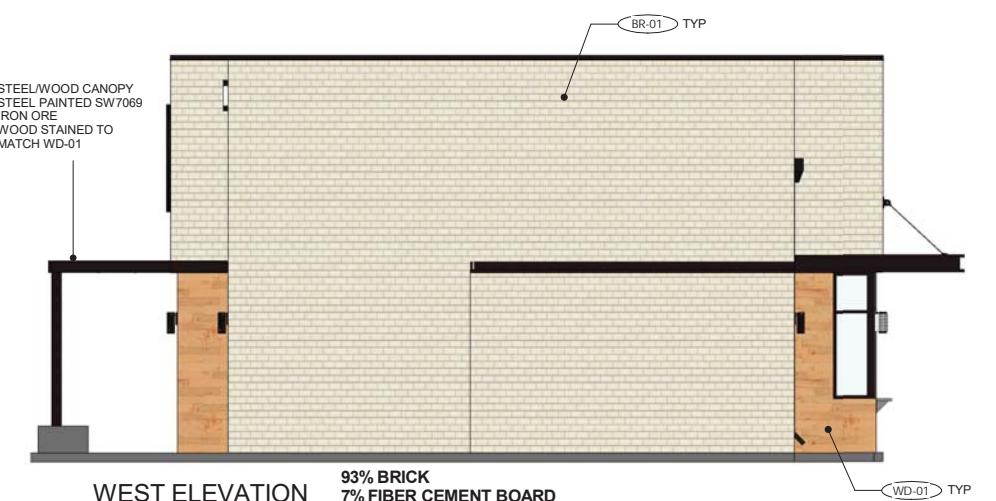
NORTH ELEVATION



EAST ELEVATION



SOUTH ELEVATION



WEST ELEVATION

Thomas A Pirtle III
AIA NCARB

Architect Texas 4994
1308 Meadowview Drive
Kennedale Texas 76060

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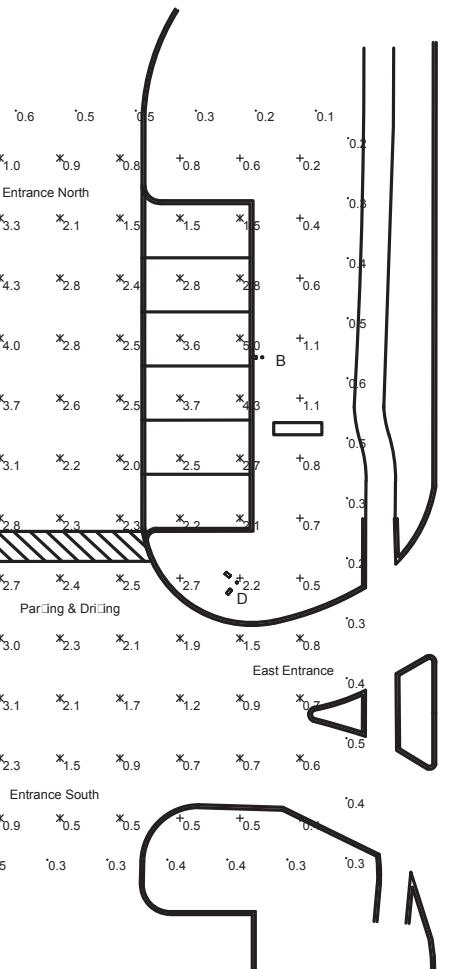
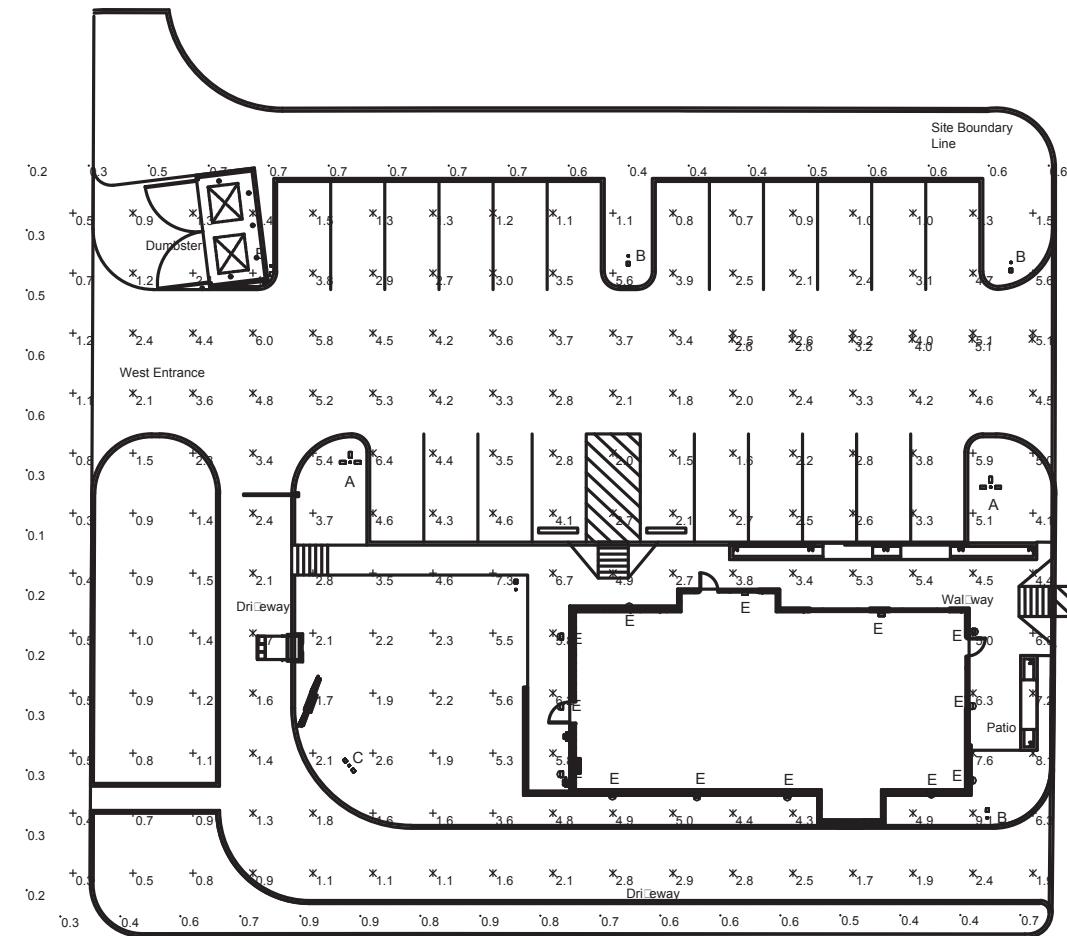
REVISION SCHEDULE			
REV	DATE	BY	DESCRIPTIONS
1	Date 1		Revision 1

PROJECT NAME:
PRECINCT LINE SHELL BUILDING
PROJECT ADDRESS:
PRECINCT LINE ROAD
NORTH RICHLAND HILLS, TX

PROJECT #: 18-0006
ORIGINAL ISSUE DATE: 5-21-18
PRODUCTION DESIGNER: MH
CHECKED BY: MH

SHEET TITLE:
PRELIM 3D
ELEVATIONS
SCALE: 3/16" = 1'-0"

SHEET NUMBER:
PR-101

LITHONIA
KAD LEDLITHONIA
WST LED

Statistics						
Description	Symbol	Avg	Max	Max/Min	Avg/Min	Min
Driveway	X	1.9 fc	2.9 fc	3.2:1	2.1:1	0.9 fc
Dumbster	X	1.2 fc	1.4 fc	1.6:1	1.3:1	0.9 fc
East Entrance	X	1.0 fc	1.9 fc	3.2:1	1.7:1	0.6 fc
Entrance North	X	1.6 fc	3.3 fc	4.1:1	2.0:1	0.8 fc
Entrance South	X	0.6 fc	0.9 fc	1.8:1	1.2:1	0.5 fc
Overall Area	+	2.7 fc	9.1 fc	45.5:1	13.5:1	0.2 fc
Parking & Driveway	X	3.0 fc	6.4 fc	9.1:1	4.3:1	0.7 fc
Patio	X	7.3 fc	8.1 fc	1.3:1	1.2:1	6.3 fc
Site Boundary Line	+	0.5 fc	0.9 fc	9.0:1	5.0:1	0.1 fc
Walkway	X	5.4 fc	9.1 fc	3.4:1	2.0:1	2.7 fc
West Entrance	X	2.7 fc	4.4 fc	3.7:1	2.3:1	1.2 fc

Schedule										
Symbol	Label	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage	Mounting Height
■	A	2	KAD LED 40C 530 40K R3 MVOLT HS	KAD LED, 40 LED, 530mA MVOLT DRIVER, 4000K, TYPE 3 OPTICS WITH HOUSE SIDE SHIELDS.	LED	1	6941	0.81	213	18' Pole 2' Pole Base
■	B	6	KAD LED 20C 530 40K R3 MVOLT HS	KAD LED, 20 LED, 530mA MVOLT DRIVER, 4000K, TYPE 3 OPTICS WITH HOUSE SIDE SHIELDS.	LED	1	3523	0.81	38	18' Pole 2' Pole Base
■	C	1	KAD LED 20C 530 40K R3 MVOLT HS	KAD LED, 20 LED, 530mA MVOLT DRIVER, 4000K, TYPE 3 OPTICS WITH HOUSE SIDE SHIELDS.	LED	1	3523	0.81	76	18' Pole 2' Pole Base
■	D	1	KAD LED 20C 530 40K R3 MVOLT HS	KAD LED, 20 LED, 530mA MVOLT DRIVER, 4000K, TYPE 3 OPTICS WITH HOUSE SIDE SHIELDS.	LED	1	3523	0.81	76	18' Pole 2' Pole Base
□	E	13	WST LED P1 30K VW MVOLT	WST LED, Performance package 1, 3000 K, Dual comfort wide, MVOLT	LED	1	1548	0.81	12	12' Wall Mounted

PROJECT NAME: PRECINCT LINE ROAD
PROJECT ADDRESS: NORTH RICHLAND HILLS, TX

PROJECT #: 18-0006
ORIGINAL ISSUE DATE: 3-23-18
PRODUCTION DESIGNER: RT
CHECKED BY: AH

SHEET TITLE: PHOTOMETRICS SITE PLAN

SCALE: 1/16"=1'-0"

SHEET NUMBER:

1 ES1.1

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817.665.2343 (o)

REVISION SCHEDULE			
REV	DATE	BY	DESCRIPTIONS

D/F MONUMENT

Part#

Qty 1

SIREN

CABINET: ALUMINUM FABRICATED PAINTED BLACK RAL 7021M
 FACES: 3/16" WHITE PLEX W/ FIRST SURFACE 3M 3630 76 HOLLY GREEN VINYL
 W/ 1" BLACK TRIM CAP PAINTED TO MATCH BLACK RAL 7021M
 ILLUMINATION: WHITE LED'S
 4" DIA ALUMINUM PIPE PAINTED TO MATCH BLACK RAL 7021M

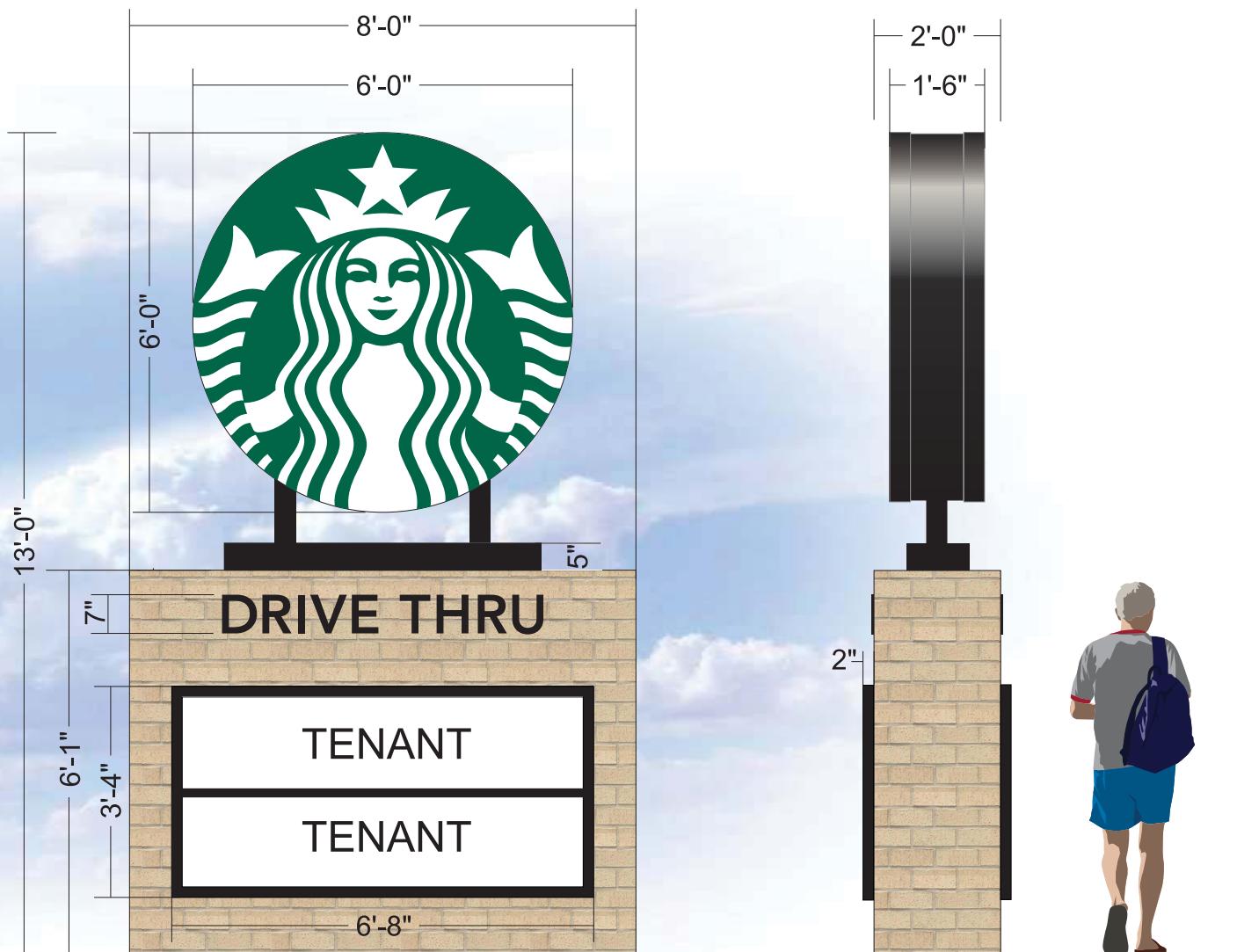
TENANT

CABINET: ALUMINUM FABRICATION PAINTED BLACK
 FACES: 3/16" WHITE ACRYLIC W/ 1ST SURFACE VINYL TBD
 ILLUMINATION: WHITE LED'S

DRIVE THRU

1/2" FCO ACRYLIC LETTERS
 PAINTED BLACK

BRICK: ACME TOWN SQUARE SERIES SALADO



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QID 18-41710

JOB NAME

Starbucks

LOCATION

North Richland Hills, TX

CUSTOMER CONTACT

SALESMAN / PM

Wayne Rhodes

DESIGNER

Chad Wike

DWG. DATE

5-7-18

REV. DATE / REVISION

SCALE

As Noted

FILE

2018/Starbucks/
 North Richland Hills/18-41710/
 SB North Richlands Hills.cdr

DESIGN SPECIFICATIONS ACCEPTED BY:

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CLIENT:

SLS/PM:

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DRY	<input type="checkbox"/>
DAMP	<input type="checkbox"/>
WET	<input checked="" type="checkbox"/>

Northbound



Southbound

