



HOTEL
EASTLAND

Holst Architecture for Grand Ventures Hotel, LLC

Type III Design Review, LU 14-144166 DZM

Originally Submitted: April 17, 2014

Revision Date: May 21, 2014

Revision Date: June 27, 2014

OVERVIEW

C.6 Original Building Photo
 C.7 Site Photos
 C.7.1 Area Analysis
 C.7.2 Area Analysis
 C.8 Site Survey/ ROW Improvements
 C.9 Site Diagram
 C.10 Site Sections and Zoning Data

PROJECT

C.14 Basement Floor Plan
 C.14.1 Demo Basement Plan
 C.15 First Floor Plan
 C15.1 Demo First Floor Plan
 C.16 Typ 2-5 Floor Plan
 C.16.1 Demo Typ 2-5 Floor Plan
 C.17 6th Floor Plan
 C.17.1 Demo 6th Floor Plan
 C.18 Roof Plan
 C.18.1 Rooftop Section
 C.18.2 (reserved)
 C.19 Basement RCP
 C.20 Level 1 RCP
 C.21 Level 6 RCP
 C.22 North Elevation
 C22.1 Demo North Elevation
 C.23 West Elevation
 C.23.1 Demo West Elevation
 C.24 South Elevation
 C.24.1 Demo South Elevation
 C.25 East Elevation
 C.25.1 Demo East Elevation
 C.26 Rendering - NE Corner
 C.27 Rendering - SE Corner
 C.28 Rendering - SE Corner St Level
 C.29 Rendering - NW Corner
 C.30 Rendering - NW Corner St Level
 C.31 Aerial Rendering from SW
 C.31.1 Night Rendering
 C.31.2 Night Rendering
 C.32 Wall Sections
 C.33 Wall Sections
 C.34 Wall Sections
 C.35 Wall Sections

PROJECT (continued)

C.36 Building Detail - Guestroom Windows
 C.37 Building Detail - West Exterior Stair
 C.38 Renderings - SW Corner
 C.39 Building Detail - Parking Elevations
 C.40 Building Detail - SW Corner
 C.41 Building Detail - Parking Elevations
 C.41.1 Building Detail - SW Corner
 C.41.2 Building Detail - SW Corner
 C.41.3 Building Detail - Garage Screen
 C.41.4 Building Detail - Garage Screen
 C.42 Renderings - East Entry
 C.43 Building Detail - East Entry
 C.44 Renderings - Parking Court
 C.45 Building Detail - Parking Court
 C.46 Renderings - North Entry
 C.47 Building Detail - North Entry
 C.48 Rendering - NE Corner
 C.49 Building Detail - NE Corner
 C.50 Building Detail - Roof Deck
 C.51 Building Detail - Roof Deck
 C.51.1 Building Details - Roof Deck
 C.51.2 Building Details
 C.51.3 Building Details
 C.51.4 Building Details
 C.51.5 Building Details
 C.51.6 Building Details
 C.52 Building Details - Signage

APPENDIX

C.56 Materials
 C.57 Materials
 C.58 Landscape Site Plan
 C.59 Landscape Notes and Legends
 C.60 Landscape North Facade Planting
 C.61 Landscape West Facade Planting
 C.62 Landscape South Facade Planting
 C.63 Landscape Site Interior Planting
 C.64 Landscape Roof Terrace Planting
 C.65 Landscape Details
 C.66 Furnishings
 C.67 Furnishings
 C.68 Furnishings

APPENDIX (continued)

C.69 Furnishings
 C.70 Furnishings
 C.71 Lighting
 C.72 Lighting
 C.73 Lighting
 C.74 Lighting
 C.75 Lighting
 C.76 Lighting
 C.77 Lighting
 C.78 Lighting
 C.79 Materials
 C.80 Glazing
 C.81 Glazing
 C.82 Glazing
 C.83 Glazing

INFORMATION

LU#: 14-144166 DZM
 PROPERTY: 1021 NE Grand Ave
 Portland, OR 97219
 RE: Design Review Type III
 ORIGINALLY SUBMITTED: April 17, 2014
 REVISION DATE: May 21, 2014
 REVISION DATE: June 27, 2014
 ARCHITECT: Holst Architecture
 CONTACT: Kevin Valk, Project Manager
 kvalk@holstarc.com
 503 233 9856
 LANDSCAPE: Lango Hansen
 CONTACT: Jane Hansen, Principal
 jane@langohansen.com
 503 295 2437
 CIVIL : KPFF Consulting Engineers
 CONTACT: Mark Reuland
 mark.reuland@kpffcivilpdx.com
 503 542 3827
 OWNER: Grand Ventures Hotel, LLC
 CONTACT: Desmond Mollendor, Owner
 dmollendor@gmail.com
 503 970 2055

CONTENTS

OVERVIEW

C.6	Original Building Photo
C.7	Site Photos
C.7.1	Area Analysis
C.7.2	Area Analysis
C.8	Site Survey/ ROW Improvements
C.9	Site Diagram
C.10	Site Sections and Zoning Data



DESIGN
REVIEW

06.27.2014

LU 14-144166 DZM

Title:

ORIGINAL
BUILDING
PHOTO

Sheet:

C.6

Photo of Original Building Design - 1963



1. View from NE Holladay and NE Grand Ave



2. View from Parking Deck



3. View from NE Holladay and NE MLK Jr Blvd



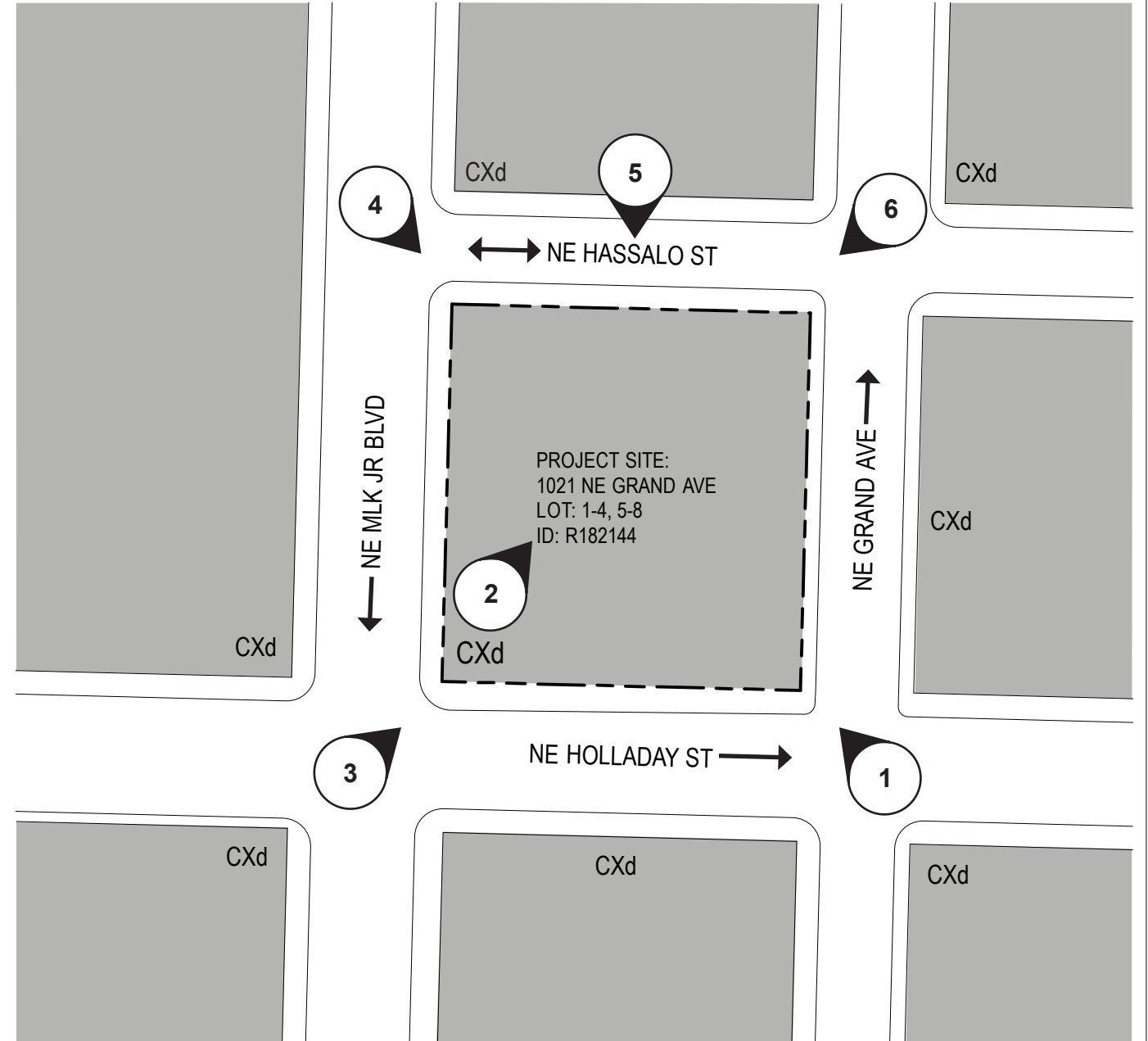
4. View from NE Hassalo and NE MLK Jr Blvd



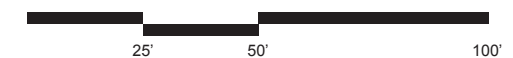
5. View from NE Hassalo St

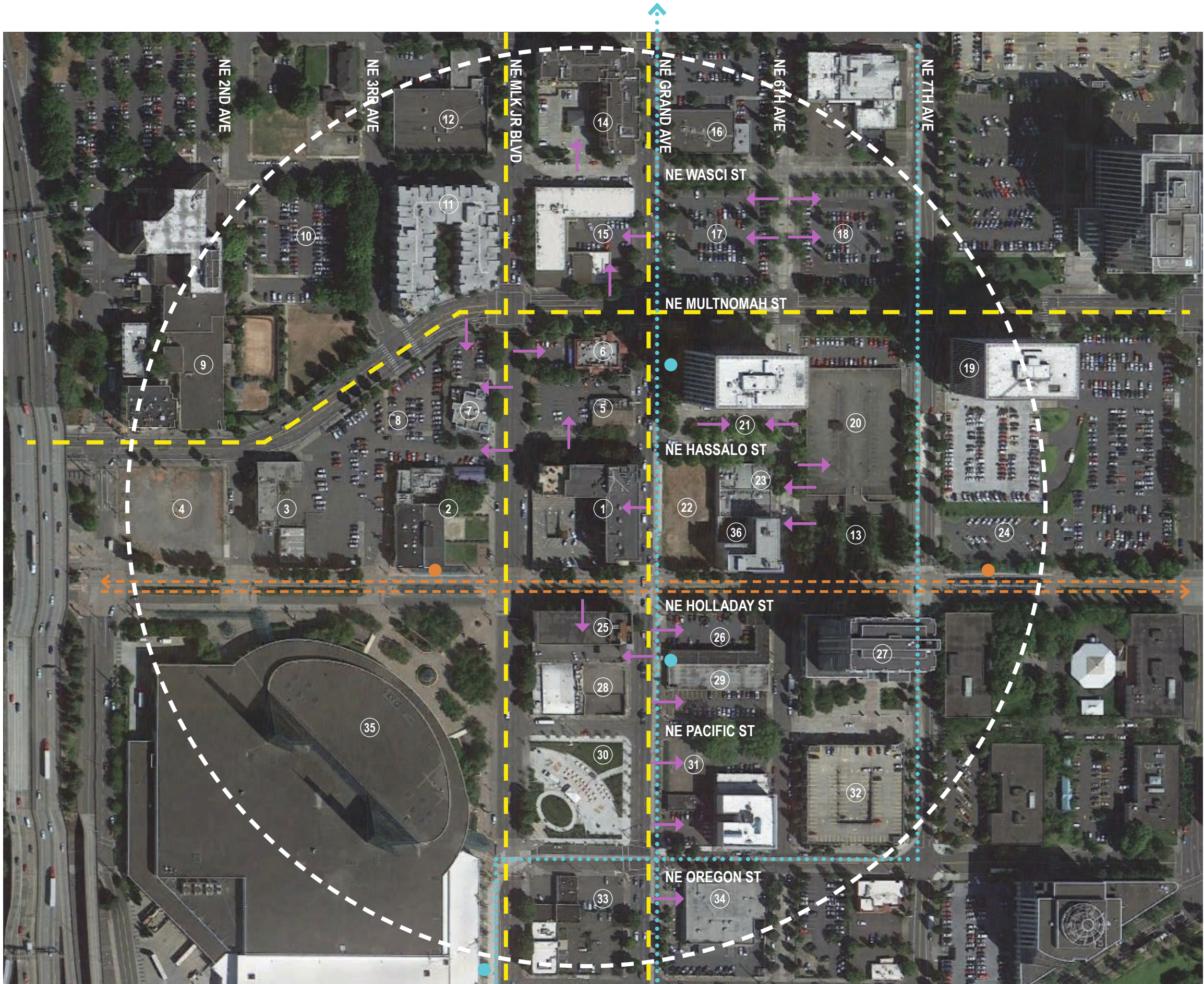


6. View from NE Grand Ave



Zoning Map



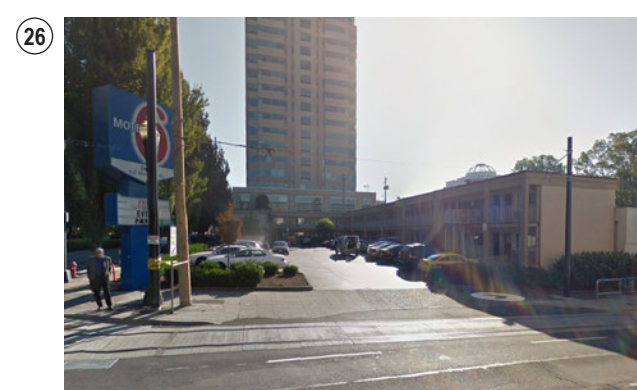


- STREET CAR
- STREET CAR STOP
- MAX TRAIN
- MAX TRAIN STOP
- BUS ROUTE
- DRIVEWAY / ENTRY



KEY

- ① RED LION HOTEL, 1021 NE GRAND AVE
HOSPITALITY - 1963
6 STORIES
STUCCO, BRICK, CURTAIN WALL
- ② CONVENTION CENTER HOTEL
HOTEL - PROPOSED
21 STORIES
- ③ OFFICE BUILDING
PROPOSED
- ④ PARKING STRUCTURE
PROPOSED
- ⑤ DENNY'S
RESTAURANT, SURFACE PARKING - 1964
1 STORY
STUCCO, STONE, STOREFRONT
- ⑥ RED ROBIN
RESTAURANT, SURFACE PARKING - 1993
1 STORY
BRICK
- ⑦ BURGerville
RESTAURANT, SURFACE PARKING - 1993
1 STORY
BRICK
- ⑧ MIXED USE APTS
PROPOSED - UNDER CONSTRUCTION
6 STORIES
- ⑨ LEGACY EMANUEL
HOSPITAL & HEALTH CENTER - 1981
VARIOUS HEIGHTS
CONCRETE
- ⑩ SURFACE PARKING
ASPHALT
- ⑪ THE MERRICK APARTMENTS
MIXED USE, APTS OVER RETAIL - 2004
6 STORIES
BRICK, FIBER CEMENT
- ⑫ AMBRIDGE EVENT CENTER
CHURCH, SURFACE PARKING - 1947
1 STORY
STUCCO
- ⑬ PARK / PLAZA
- ⑭ MARRIOTT COURTYARD
HOTEL, SURFACE PARKING - 2000
6 STORIES
BRICK
- ⑮ QUALITY INN
HOTEL, SURFACE PARKING - 1967
2 STORIES
BRICK, STUCCO
- ⑯ KAISER GRAND AVENUE DENTAL
OFFICES, SURFACE PARKING - 1990
1 STORY
BRICK
- ⑰ SURFACE PARKING
ASPHALT
- ⑱ SURFACE PARKING
ASPHALT
- ⑲ LLOYD 700 BUILDING
HIGH RISE: RETAIL, OFFICES - 1971
17 STORIES
CONCRETE, STUCCO, CURTAIN WALL
- ⑳ STRUCTURED / SURFACE PARKING
GARAGE - 1974
1 STORY
CONCRETE
- ㉑ KAISER PERMANENTE
HIGH RISE: OFFICES - 1974
17 STORIES
STONE, CONCRETE
- ㉒ VACANT LOT
PORTLAND HOUSING BUREAU
- ㉓ PACIFICORP
OFFICE - 1948
1 STORY
CONCRETE, STUCCO
- ㉔ MIXED USE APTS, HASSALO ON EIGHTH
PROPOSED - UNDER CONSTRUCTION
VARIOUS HEIGHTS
- ㉕ CONVENTION CENTER HOTEL, PDC OWNED
HOTEL, SURFACE PARKING - 1969
5 STORIES
STUCCO
- ㉖ MOTEL 6
HOTEL, SURFACE PARKING - 1963
2 STORIES
STUCCO
- ㉗ LIBERTY CENTRE OFFICE
HIGH RISE: OFFICE - 1997
17 STORIES
BRICK
- ㉘ VACANT BUILDING, PDC OWNED
MISC, OFFICE, SURFACE PARKING - 1950
1 STORY
CORRUGATED METAL, CONCRETE
- ㉙ VACANT BUILDING, 926 NE GRAND AVE
AUTO, SURFACE PARKING - 1961
1 STORY
CMU
- ㉚ PUBLIC PARK / PLAZA
LANDSCAPED
- ㉛ EAST WEST COLLEGE
OFFICE - 1919
1 / 5 STORIES
CONCRETE, STUCCO
- ㉜ STRUCTURED, 650 NE HOLLADAY
GARAGE - 1997
3 STORIES
BRICK, CONCRETE
- ㉝ ANZEN GROCER
RETAIL, SURFACE PARKING - 1946
1 STORY
CONCRETE, STUCCO PANEL
- ㉞ LAND ROVER OF PORTLAND
AUTO, SURFACE PARKING - 1973
1 STORY
CONCRETE, STUCCO PANEL
- ㉟ CONVENTION CENTER
MISC - 1991
2 STORIES
BRICK, METAL PANEL, GLASS
- ㊱ CONDOS OVER RETAIL
9 STORIES
- ㊲ --
- ㊳ --
- ㊴ --
- ㊵ --

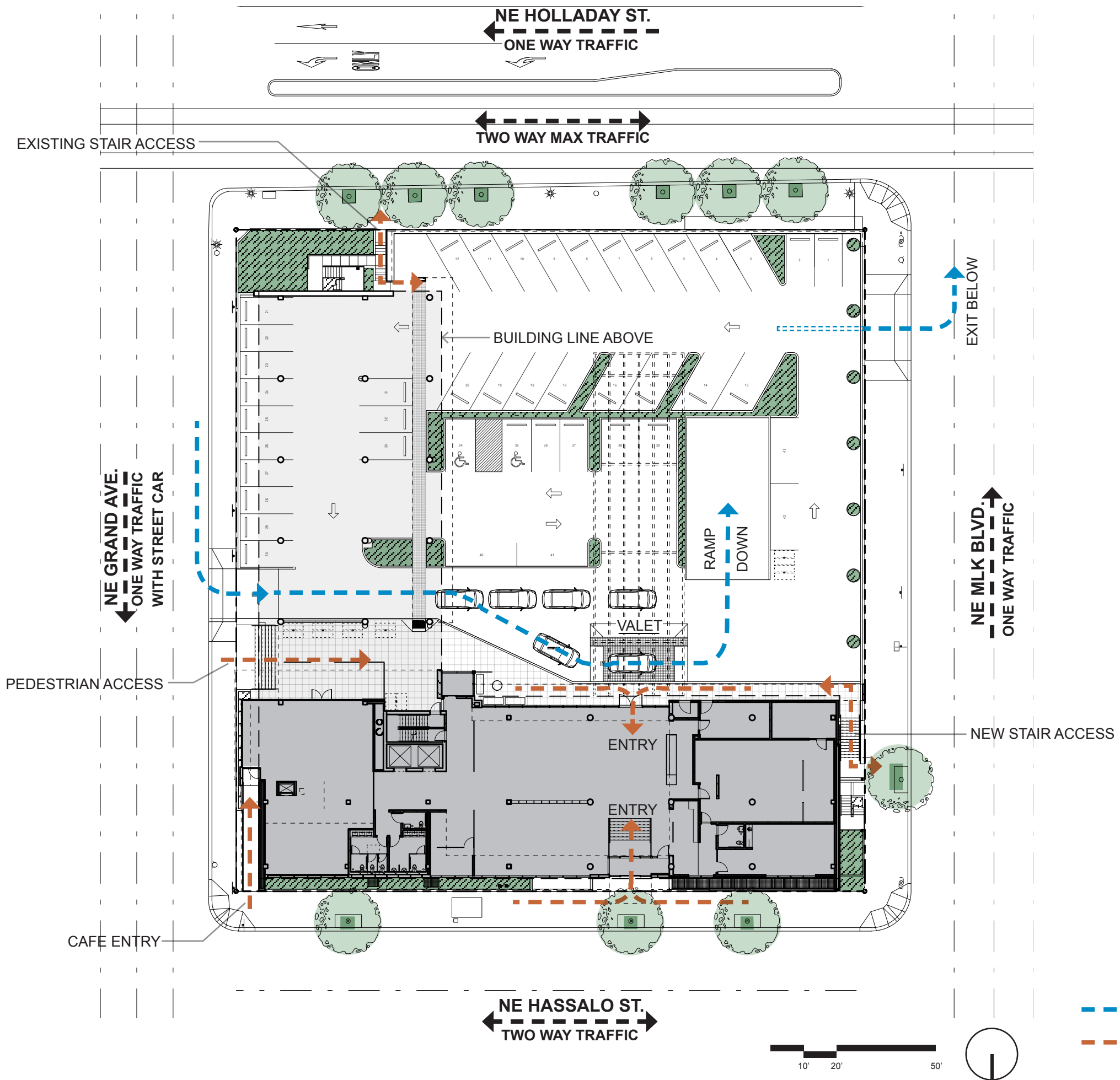


RED LION HOTEL REMODEL

DESIGN REVIEW
06.27.2014

LU 14-144166 DZM

Title:
AREA ANALYSIS



- - - - - VEHICULAR TRAFFIC
- - - - - PEDESTRIAN TRAFFIC

RED LION HOTEL REMODEL

DESIGN REVIEW
 06.27.2014

LU 14-144166 DZM

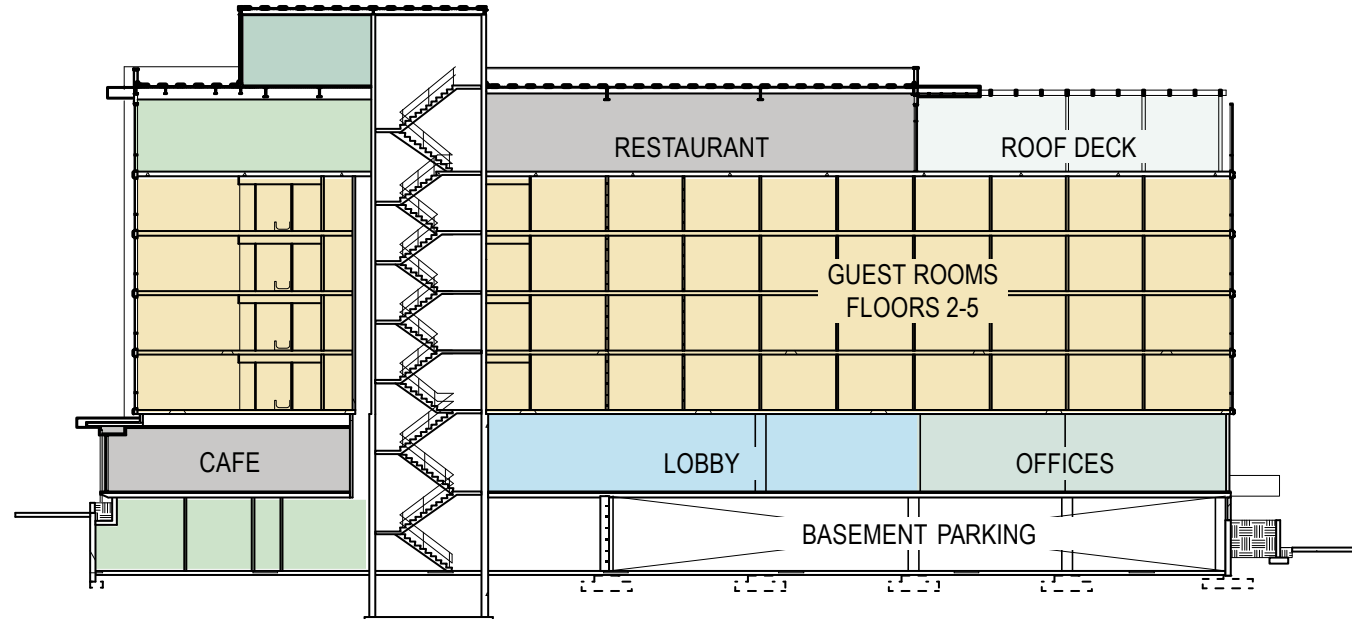
Title:
 SITE DIAGRAM

Sheet:

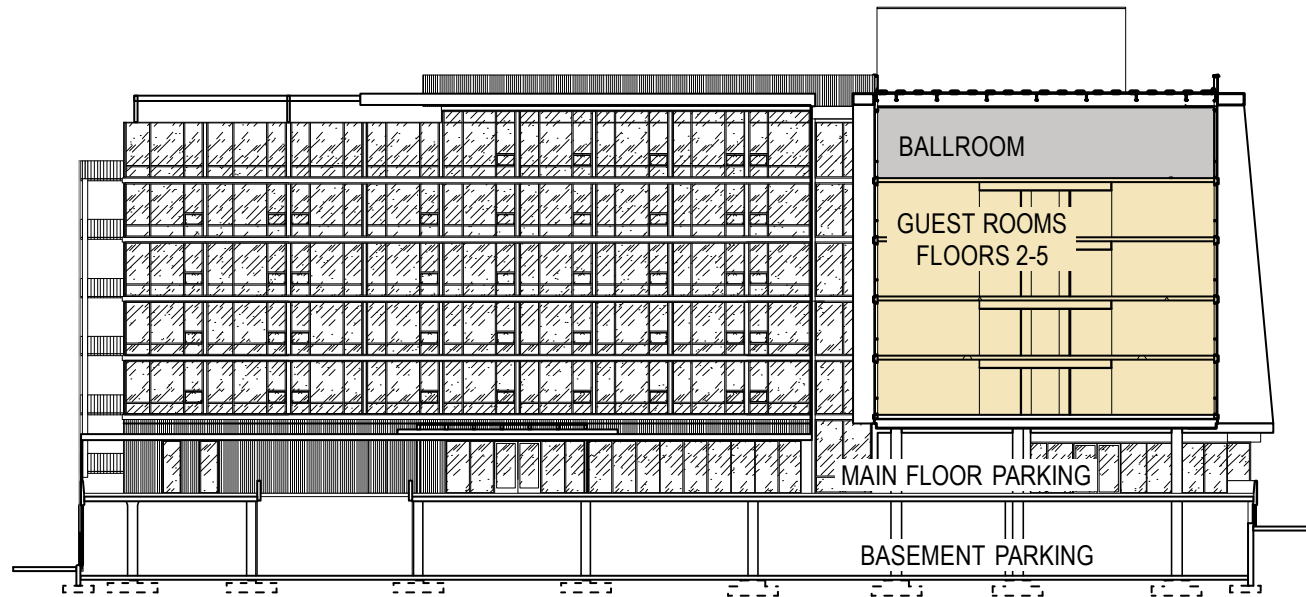
BUILDING REMODEL

Building Area 129,706 SF
 Height Limit 250'-0"
 Height 90'-6"
 Building Use 35,781 Gross Square Feet of S-2 (Parking)
 8,773 Gross Square Feet of A-2 (Restaurant and Banquet Hall)
 85,152 Gross Square Feet of R-1 (Hotel)
 FAR Building = 129,706 SF
 Lot = 38,000 SF
 FAR Max = 456,000 SF, 12:1

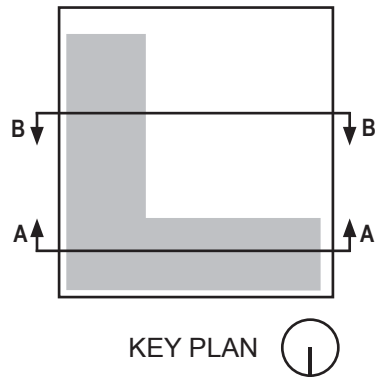
RED LION HOTEL REMODEL



Site Section "A"



Site Section "B"



KEY PLAN

DESIGN REVIEW

06.27.2014

LU 14-144166 DZM

Title:

SITE SECTIONS AND ZONING DATA

Sheet:

C.14	Basement Floor Plan	C.44	Renderings - Parking Court
C.14.1	Demo Basement Plan	C.45	Building Detail - Parking Court
C.15	First Floor Plan	C.46	Renderings - North Entry
C.15.1	Demo First Floor Plan	C.47	Building Detail - North Entry
C.16	Typ 2-5 Floor Plan	C.48	Rendering - NE Corner
C.16.1	Demo Typ 2-5 Floor Plan	C.49	Building Detail - NE Corner
C.17	6th Floor Plan	C.50	Building Detail - Roof Deck
C.17.1	Demo 6th Floor Plan	C.51	Building Detail - Roof Deck
C.18	Roof Plan	C.51.1	Building Details - Roof Deck
C.18.1	Rooftop Section	C.51.2	Building Details
C.18.2	(reserved)	C.51.3	Building Details
C.19	Basement RCP	C.51.4	Building Details
C.20	Level 1 RCP	C.51.5	Building Details
C.21	Level 6 RCP	C.51.6	Building Details
C.22	North Elevation	C.52	Building Details - Signage
C.22.1	Demo North Elevation		
C.23	West Elevation		
C.23.1	Demo West Elevation		
C.24	South Elevation		
C.24.1	Demo South Elevation		
C.25	East Elevation		
C.25.1	Demo East Elevation		
C.26	Rendering - NE Corner		
C.27	Rendering - SE Corner		
C.28	Rendering - SE Corner St Level		
C.29	Rendering - NW Corner		
C.30	Rendering - NW Corner St Level		
C.31	Aerial Rendering from SW		
C.31.1	Night Rendering		
C.31.2	Night Rendering		
C.32	Wall Sections		
C.33	Wall Sections		
C.34	Wall Sections		
C.35	Wall Sections		
C.36	Building Detail - Guestroom Windows		
C.37	Building Detail - West Exterior Stair		
C.38	Renderings - SW Corner		
C.39	Building Detail - Parking Elevations		
C.40	Building Detail - SW Corner		
C.41	Building Detail - Parking Elevations		
C.41.1	Building Detail - SW Corner		
C.41.2	Building Detail - SW Corner		
C.41.3	Building Detail - Garage Screen		
C.41.4	Building Detail - Garage Screen		
C.42	Renderings - East Entry		
C.43	Building Detail - East Entry		

PROJECT

DESIGN REVIEW

06.27.2014

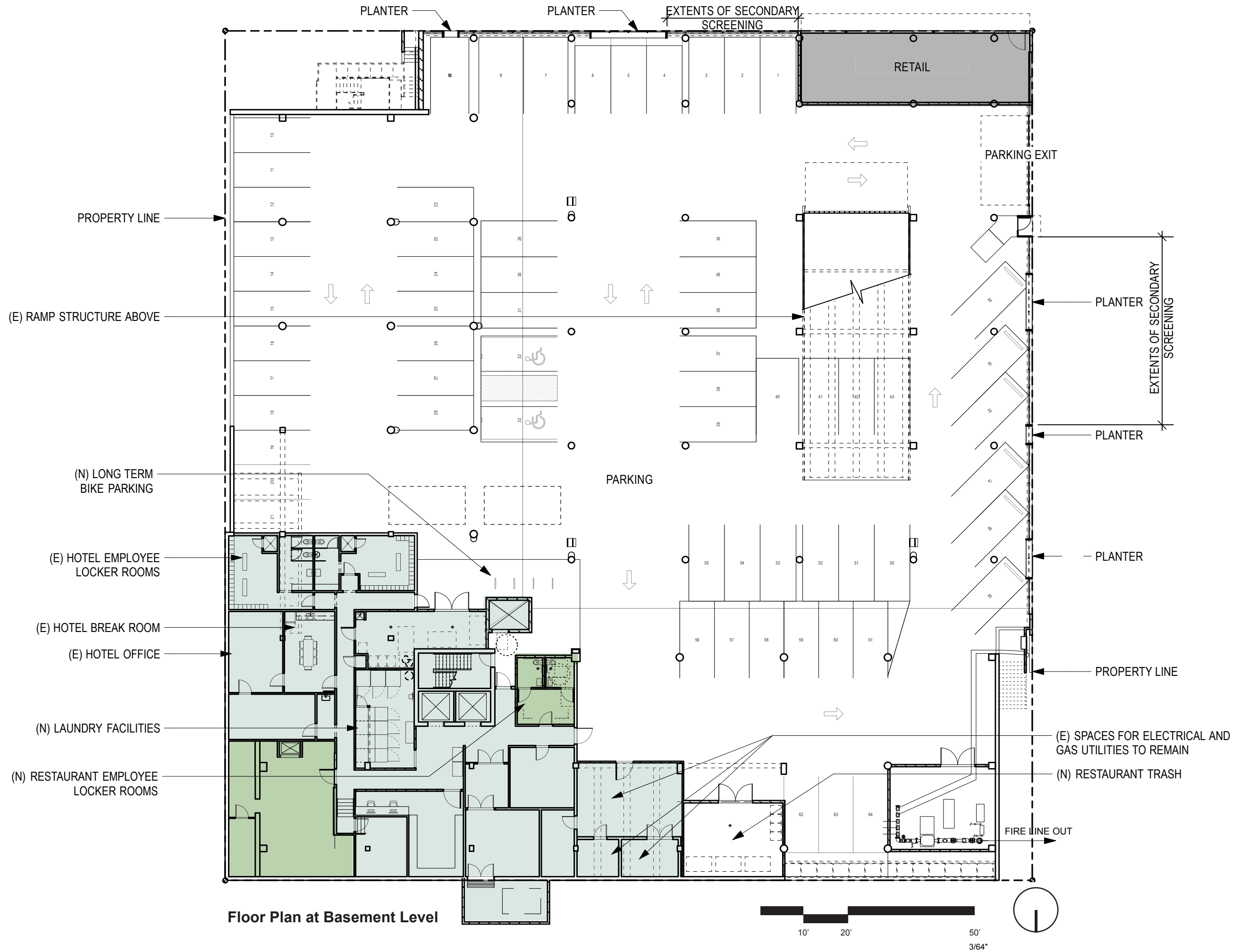
LU 14-144166 DZM

Title:

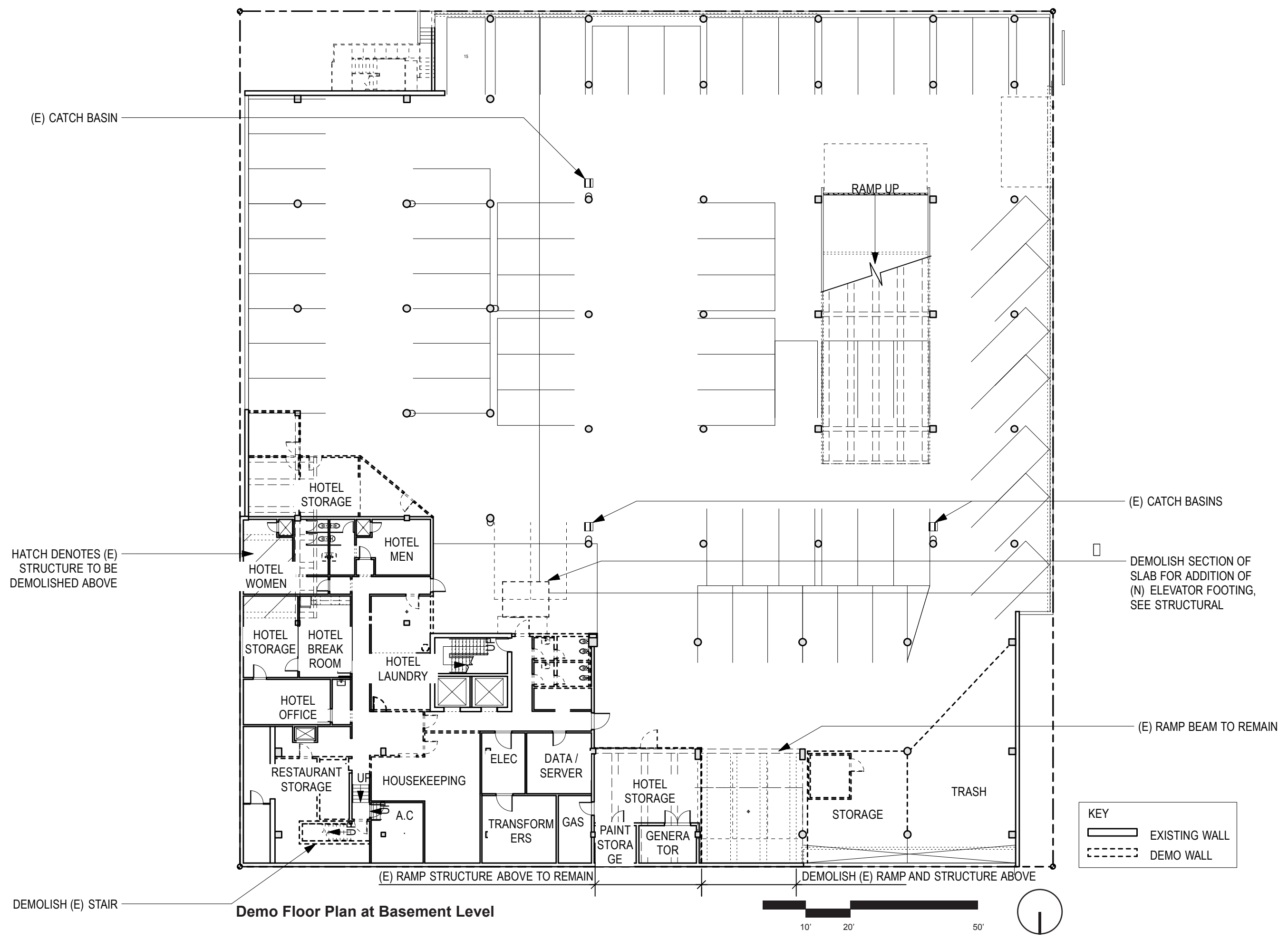
BASEMENT FLOOR PLAN

Sheet:

C.14



RED LION HOTEL REMODEL



(E) CATCH BASIN

HATCH DENOTES (E) STRUCTURE TO BE DEMOLISHED ABOVE

DEMOLISH (E) STAIR

Demo Floor Plan at Basement Level

(E) CATCH BASINS

DEMOLISH SECTION OF SLAB FOR ADDITION OF (N) ELEVATOR FOOTING, SEE STRUCTURAL

(E) RAMP BEAM TO REMAIN

KEY

	EXISTING WALL
	DEMO WALL



DESIGN REVIEW
06.27.2014

LU 14-144166 DZM

Title:
DEMO BASEMENT PLAN

Sheet:

C.14.1

DESIGN REVIEW

06.27.2014

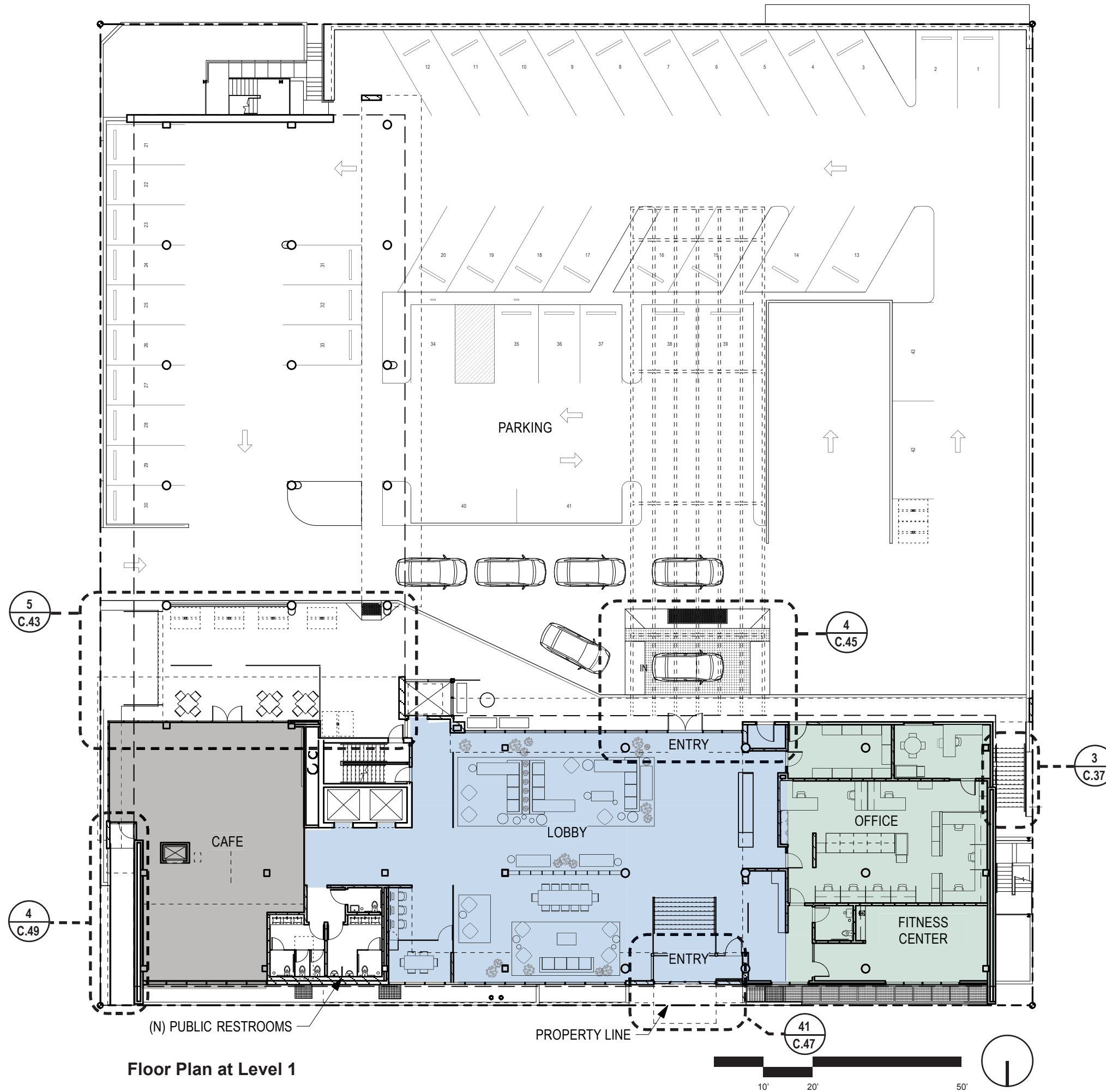
LU 14-144166 DZM

Title:

FIRST FLOOR PLAN

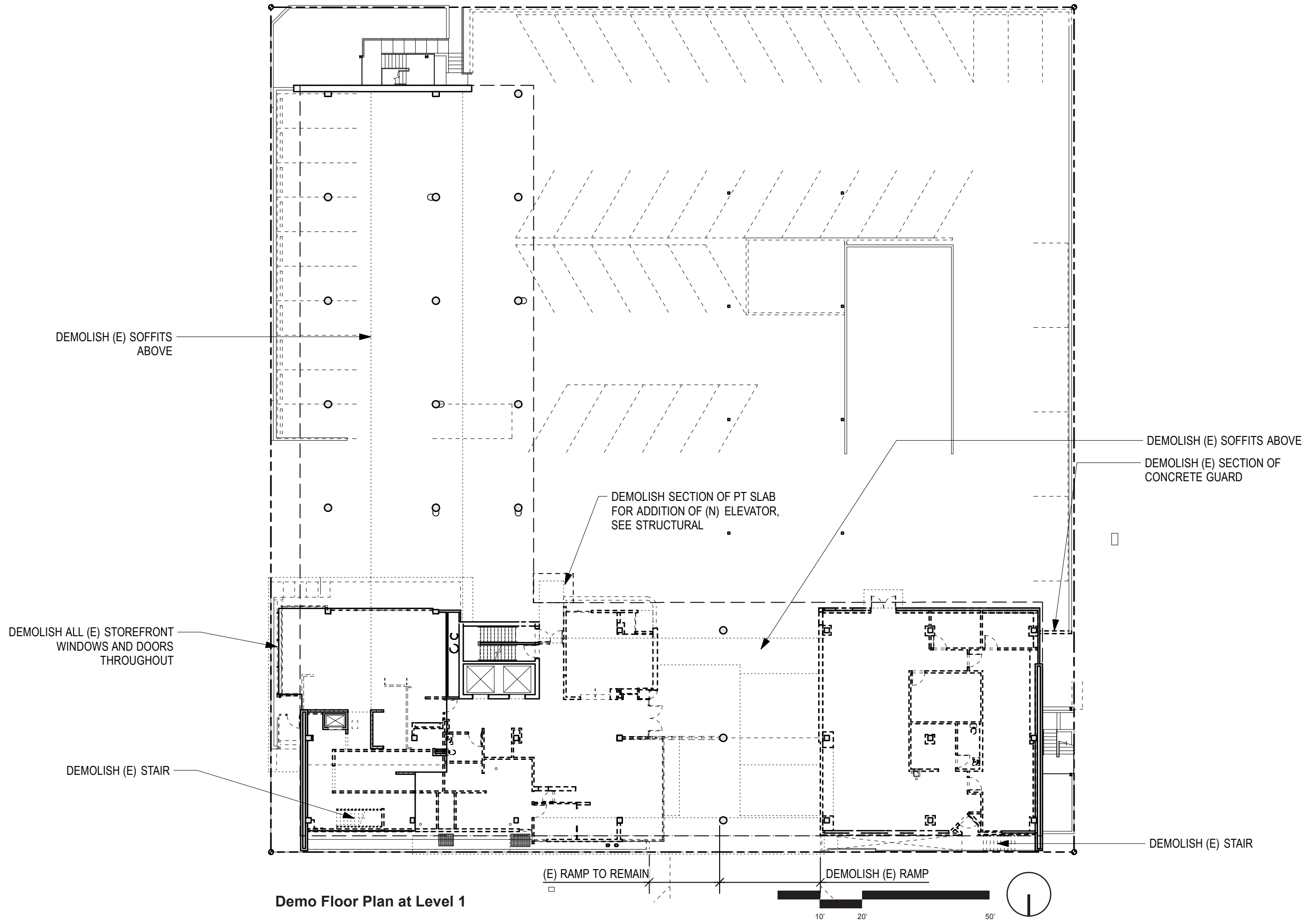
Sheet:

C.15



Floor Plan at Level 1

RED LION HOTEL REMODEL



Demo Floor Plan at Level 1

DESIGN REVIEW

06.27.2014

LU 14-144166 DZM

Title:

DEMO
1st FLOOR
PLAN

DESIGN REVIEW

06.27.2014

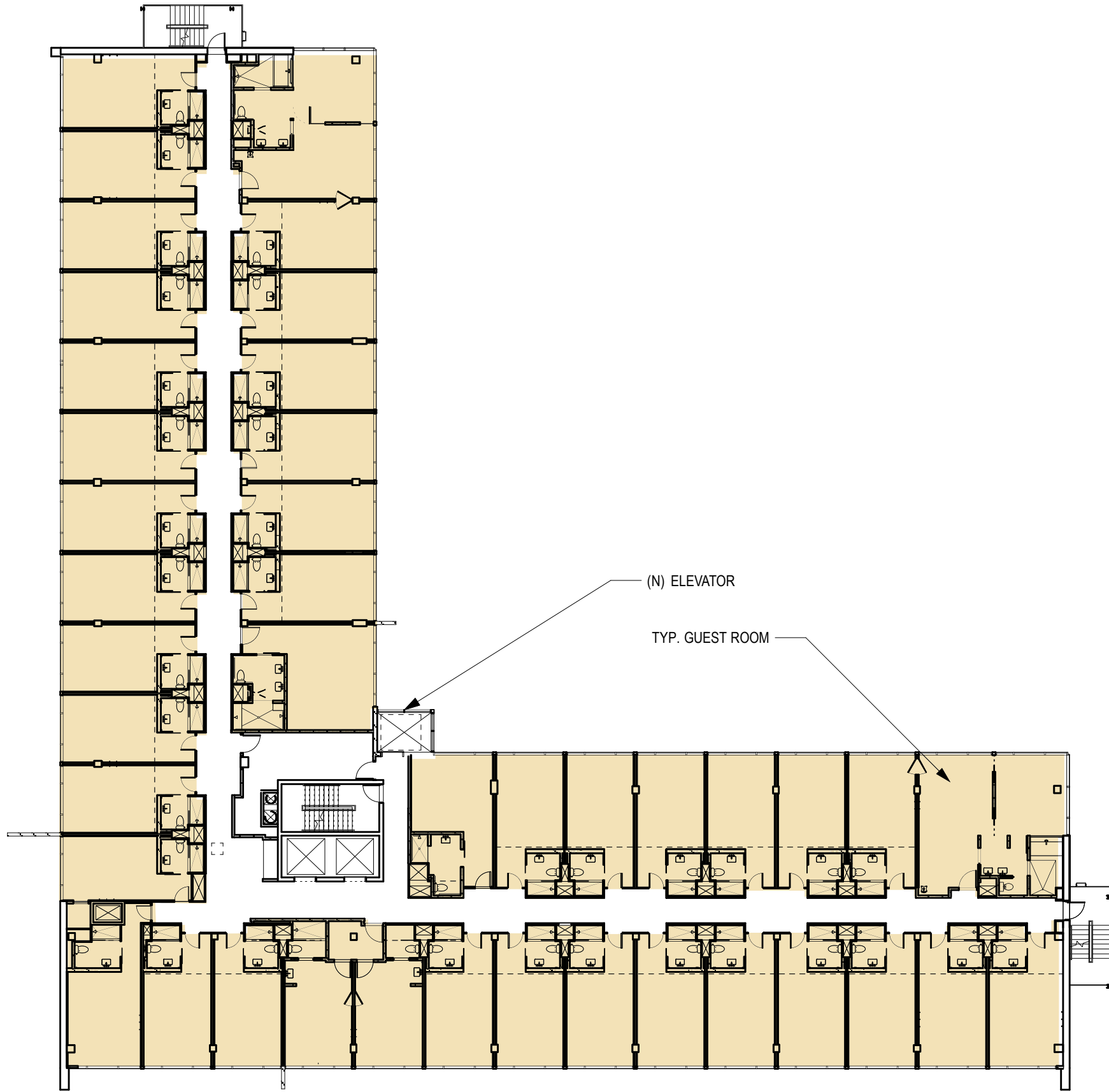
LU 14-144166 DZM

Title:

TYP 2-5 FLOOR PLAN

Sheet:

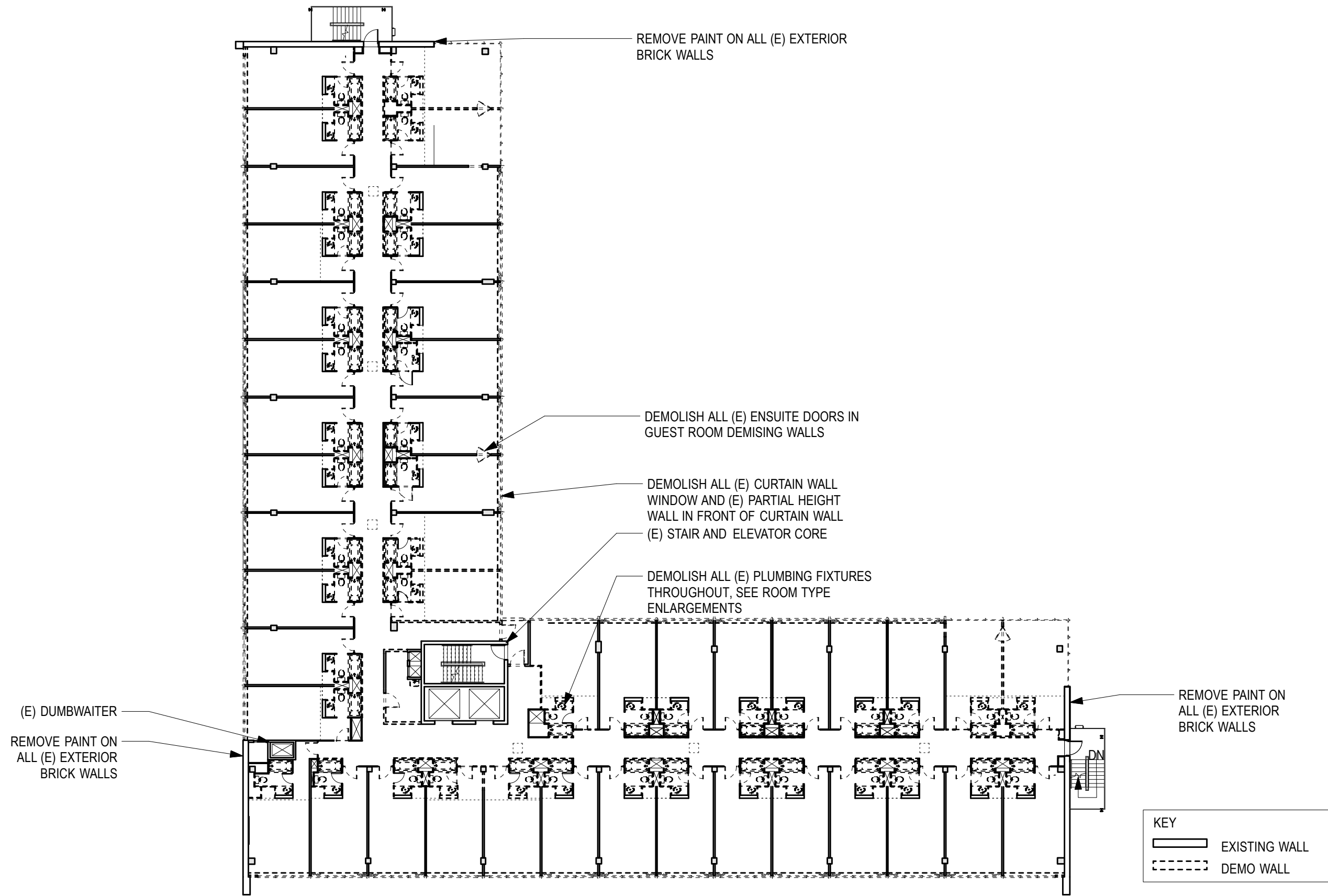
C.16



Floor Plan at Levels 2-5 (Typical Guest Room Floor)



RED LION HOTEL REMODEL



Demo Floor Plan at Levels 2-5 (Typical Guest Room Floor)



DESIGN REVIEW
06.27.2014

LU 14-144166 DZM

Title:

DEMO TYP
2nd-5th
FLOOR PLAN

Sheet:

C.16.1

DESIGN REVIEW

06.27.2014

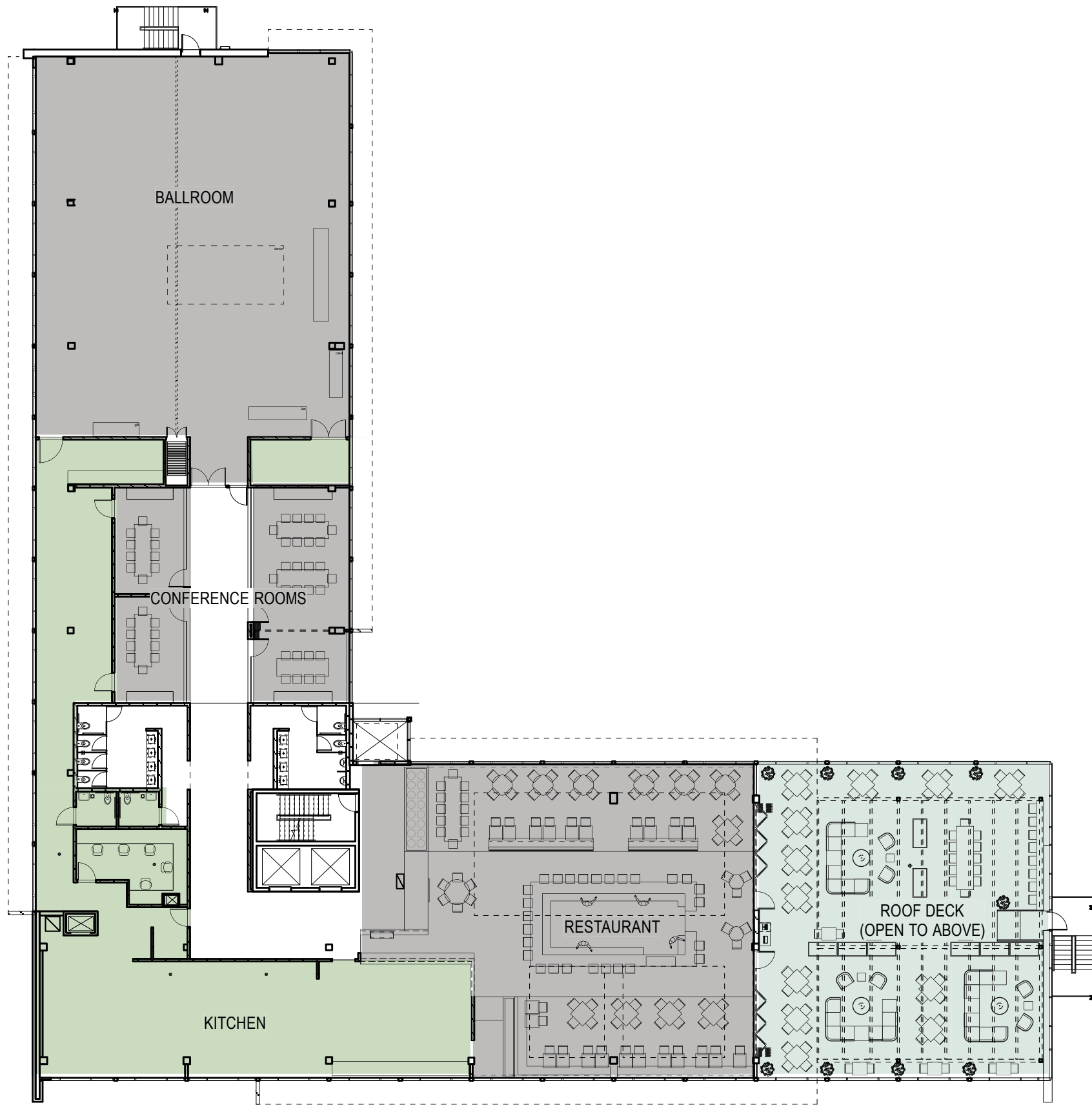
LU 14-144166 DZM

Title:

6TH FLOOR PLAN

Sheet:

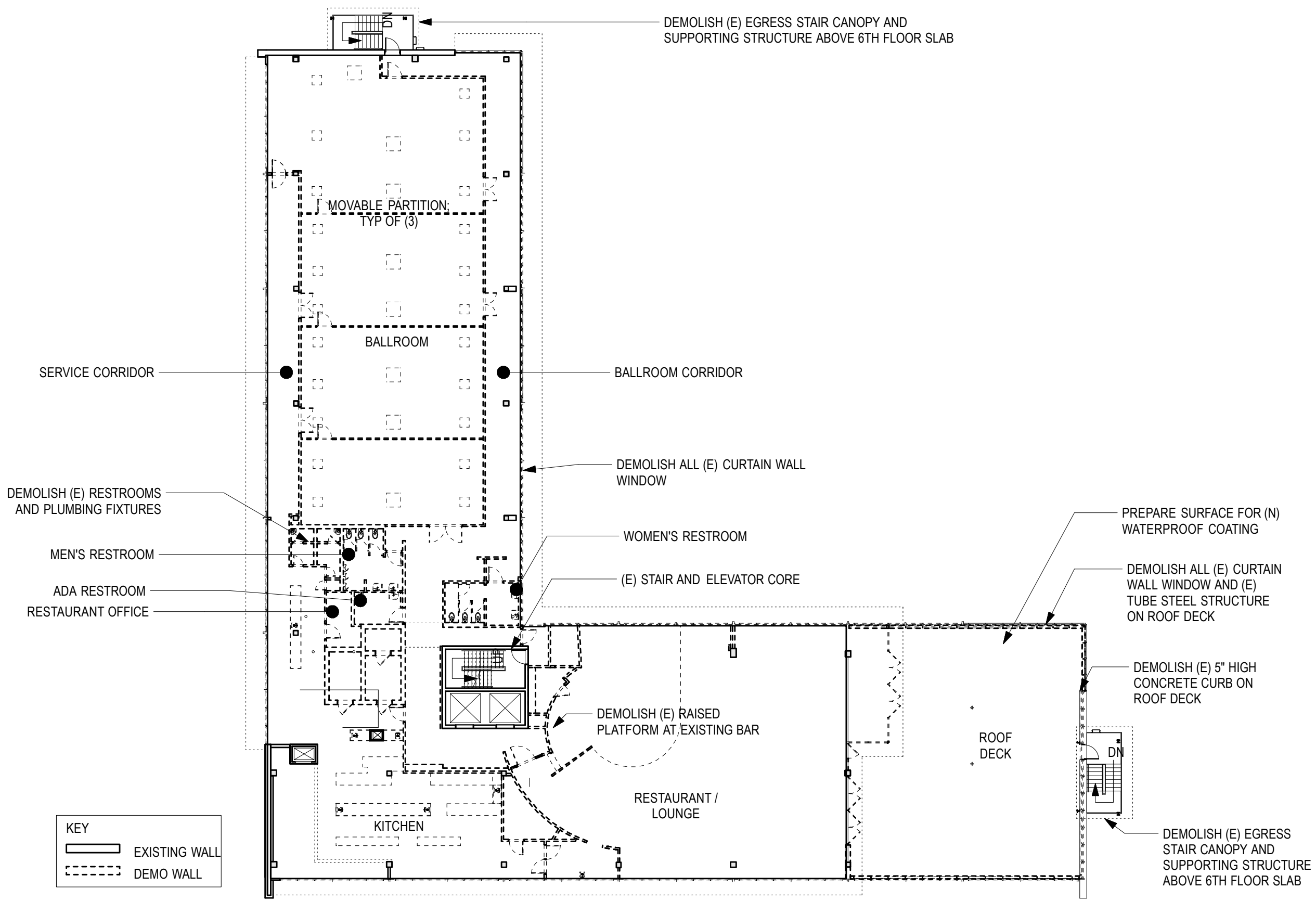
C.17



Floor Plan at Level 6



RED LION HOTEL REMODEL



Demo Floor Plan at Level 6

DESIGN REVIEW
06.27.2014

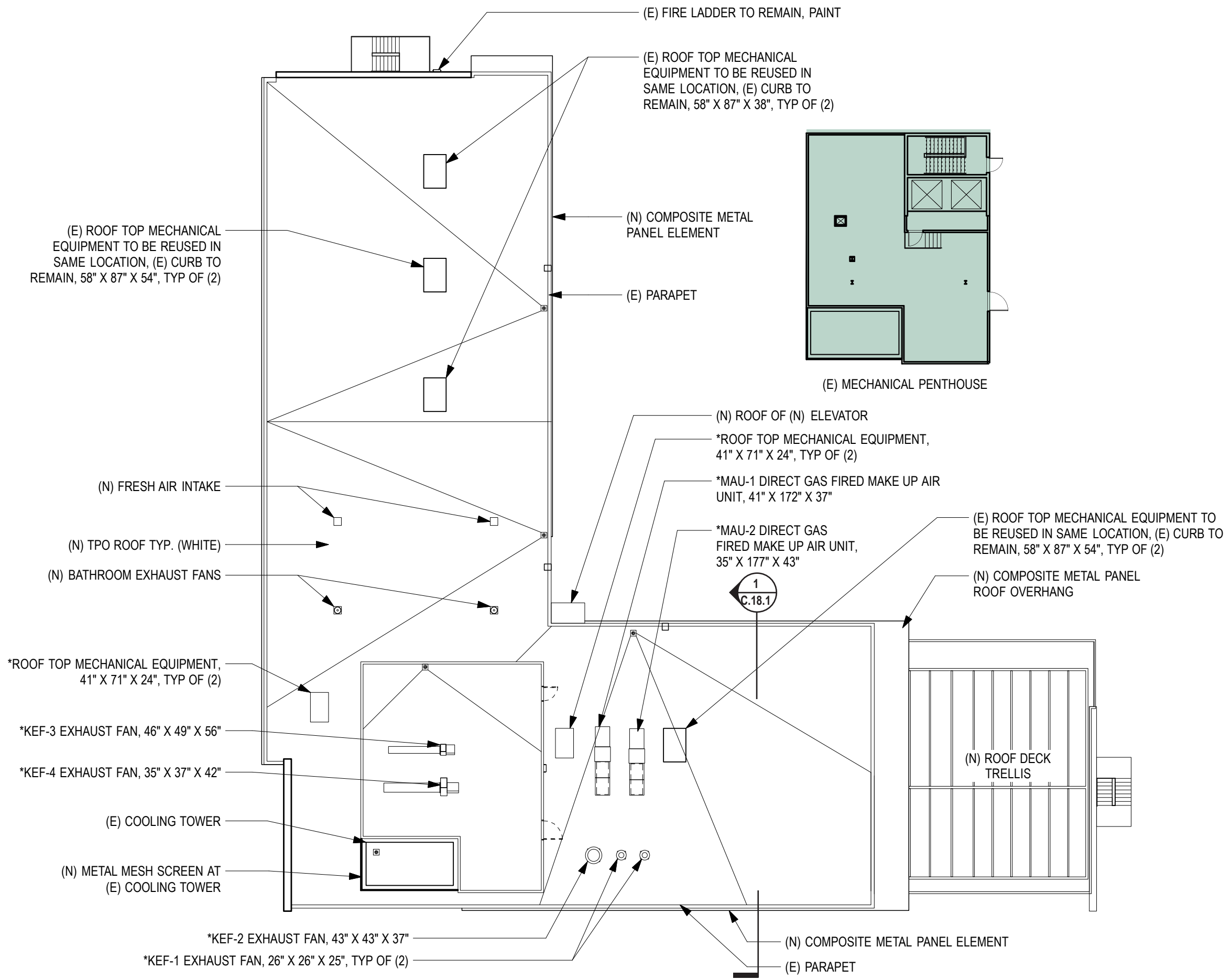
LU 14-144166 DZM

Title:

DEMO 6th FLOOR PLAN

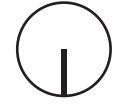
Sheet:

C17.1

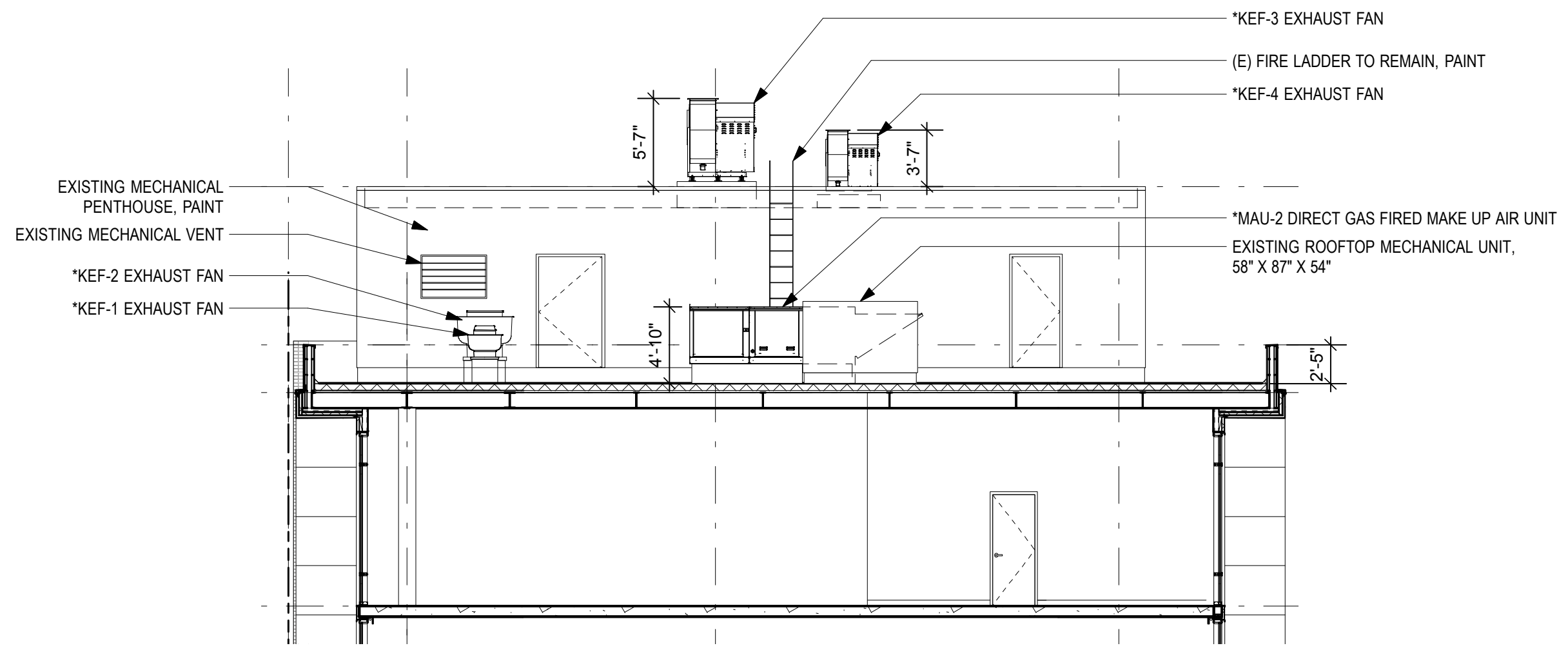


Roof Plan

* MECHANICAL EQUIPMENT NOT IN HOTEL CONTRACT. TO BE INCLUDED IN RESTAURANT TI



RED LION HOTEL REMODEL



*** MECHANICAL EQUIPMENT NOT IN HOTEL CONTRACT. TO BE INCLUDED IN RESTAURANT TI**

1. Rooftop Section

DESIGN REVIEW
06.27.2014

LU 14-144166 DZM

Title:

ROOFTOP SECTION

Sheet:

C.18.1

RED LION HOTEL REMODEL

**DESIGN
REVIEW**

06.27.2014

LU 14-144166 DZM

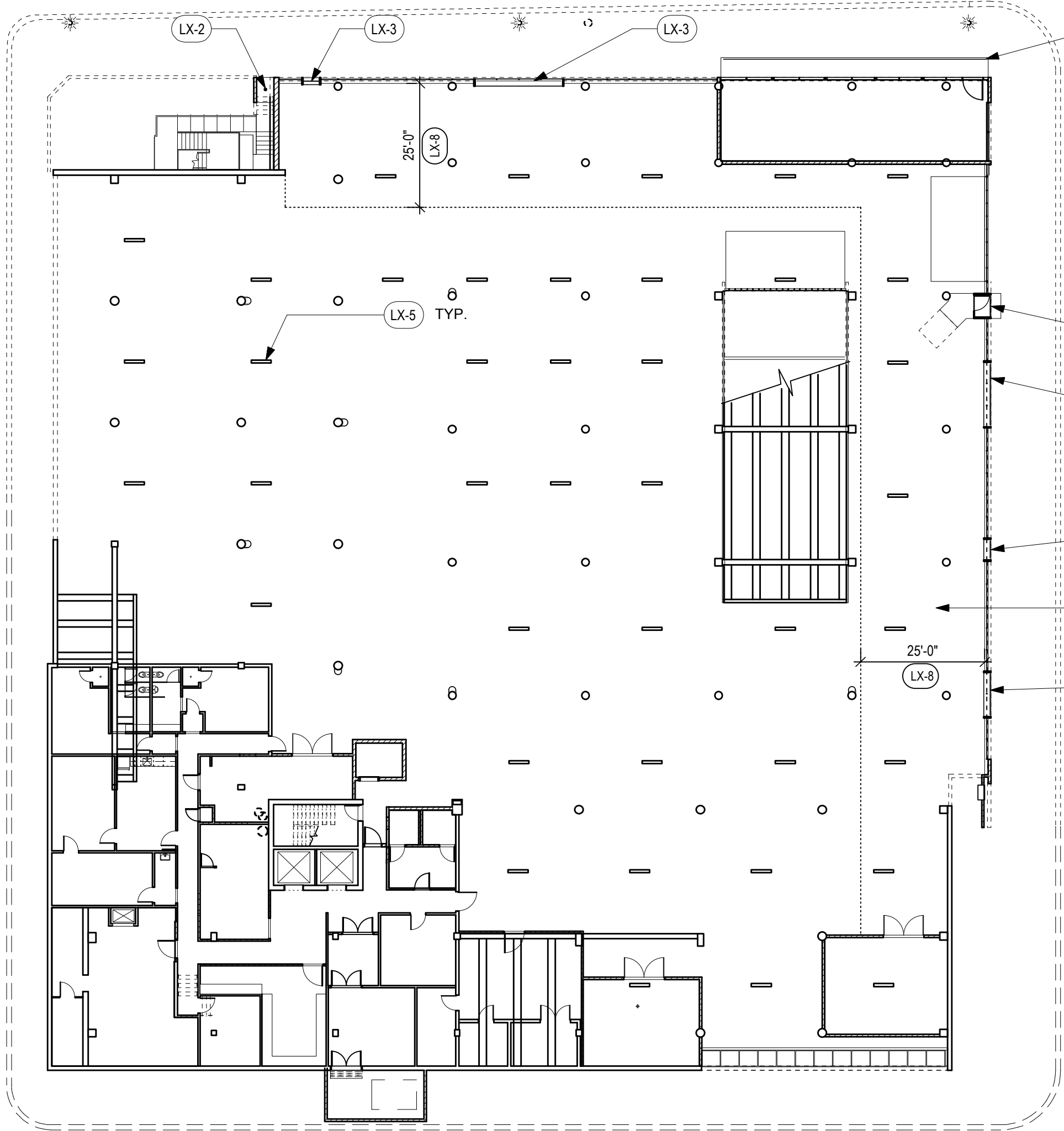
Title:

--

Sheet:

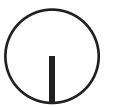
C.18.2

LIGHTING SCHEDULE				
FIXTURE ID	MANUF	PRODUCT #	NOTES	QNTY
LX-1	NEO-RAY	S22DR-1L40-ETG-41-U-D-S925	EM AS REQ'D	
LX-2	HALO	ML 56 SERIES RECESSED CAN	EM AS REQ'D, WHITE TRIM, SPECULAR BAFFLE, TYP	
LX-3	KLUS	GIZA EXTRUSION W/ LED TAPE	LENGTHS AS SHOWN ON PLANS	
LX-4a	FORMS + SURFACES	LPLCO-512	LIGHT POLE	4
LX-4b	FORMS + SURFACES	LBLCO-504	BOLLARD	4
LX-5	GLOBALUX	EXISTING TO REMAIN		
LX-6	SELUX	L36-1L35-40-LW-F-RUN-BK-120-DML-DL		
LX-7	TWIN EAGLES	TEEH3514 61"	ELECTRIC	
LX-8	LITHONIA	MS5	LOW PROFILE T5 DIRECT	



(E) CONCRETE STRUCTURE TO BE PAINTED, TYP. (CHARCOAL)

Basement RCP



DESIGN REVIEW
06.27.2014

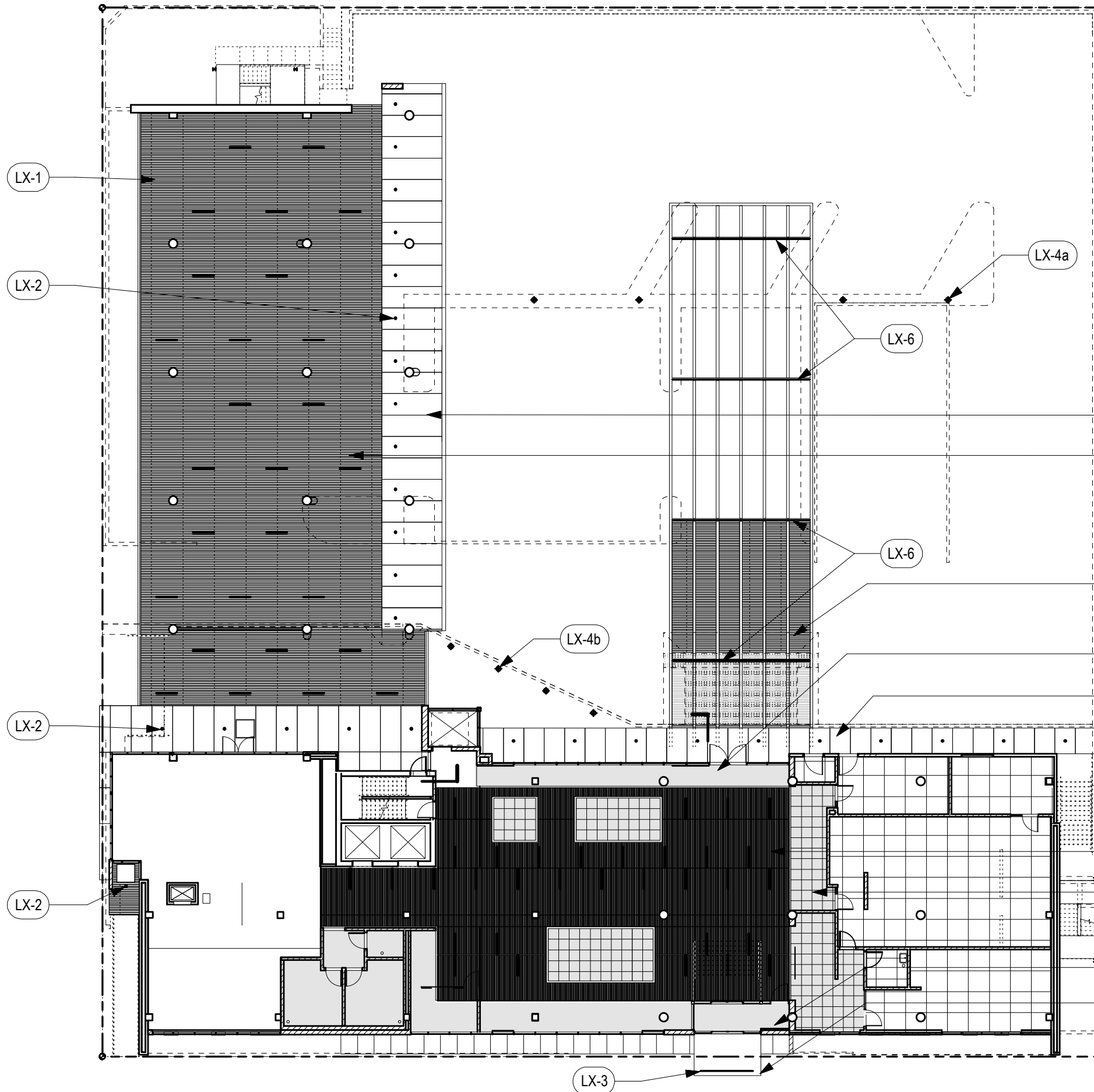
LU 14-144166 DZM

Title:
BASEMENT RCP

Sheet:

C.19

LIGHTING SCHEDULE				
FIXTURE ID	MANUF	PRODUCT #	NOTES	QNTY
LX-1	NEO-RAY	S22DR-1L40-ETG-41-U-D-S925	EM AS REQ'D	
LX-2	HALO	ML 56 SERIES RECESSED CAN	EM AS REQ'D, WHITE TRIM, SPECULAR BAFFLE, TYP	
LX-3	KLUS	GIZA EXTRUSION W/ LED TAPE	LENGTHS AS SHOWN ON PLANS	
LX-4a	FORMS + SURFACES	LPLCO-512	LIGHT POLE	4
LX-4b	FORMS + SURFACES	LBLCO-504	BOLLARD	4
LX-5	GLOBALUX	EXISTING TO REMAIN		
LX-6	SELUX	L36-1L35-40-LW-F-RUN-BK-120-DML-DL		
LX-7	TWIN EAGLES	TEEH3514 61"	ELECTRIC	
LX-8	LITHONIA	MS5	LOW PROFILE T5 DIRECT	



- (N) COMPOSITE METAL PANEL SOFFIT
- (N) USG PARALINE II LINEAR METAL CEILING, 4" WIDTH, CUSTOM COLOR
- (N) STEEL TRELLIS ABOVE W/ CORRUGATED METAL INFILL @ DROP-OFF ZONES
- (N) GWB-2 SOFFIT ABOVE
- (N) COMPOSITE METAL PANEL SOFFIT
- (N) WD PNL-1 ABOVE
- (N) ACT-2 CEILING ABOVE
- (N) GWB-2 SOFFIT ABOVE
- (N) CANOPY WITH METAL PANEL

DESIGN REVIEW

06.27.2014

LU 14-144166 DZM

Title:

LEVEL 1 RCP

Sheet:

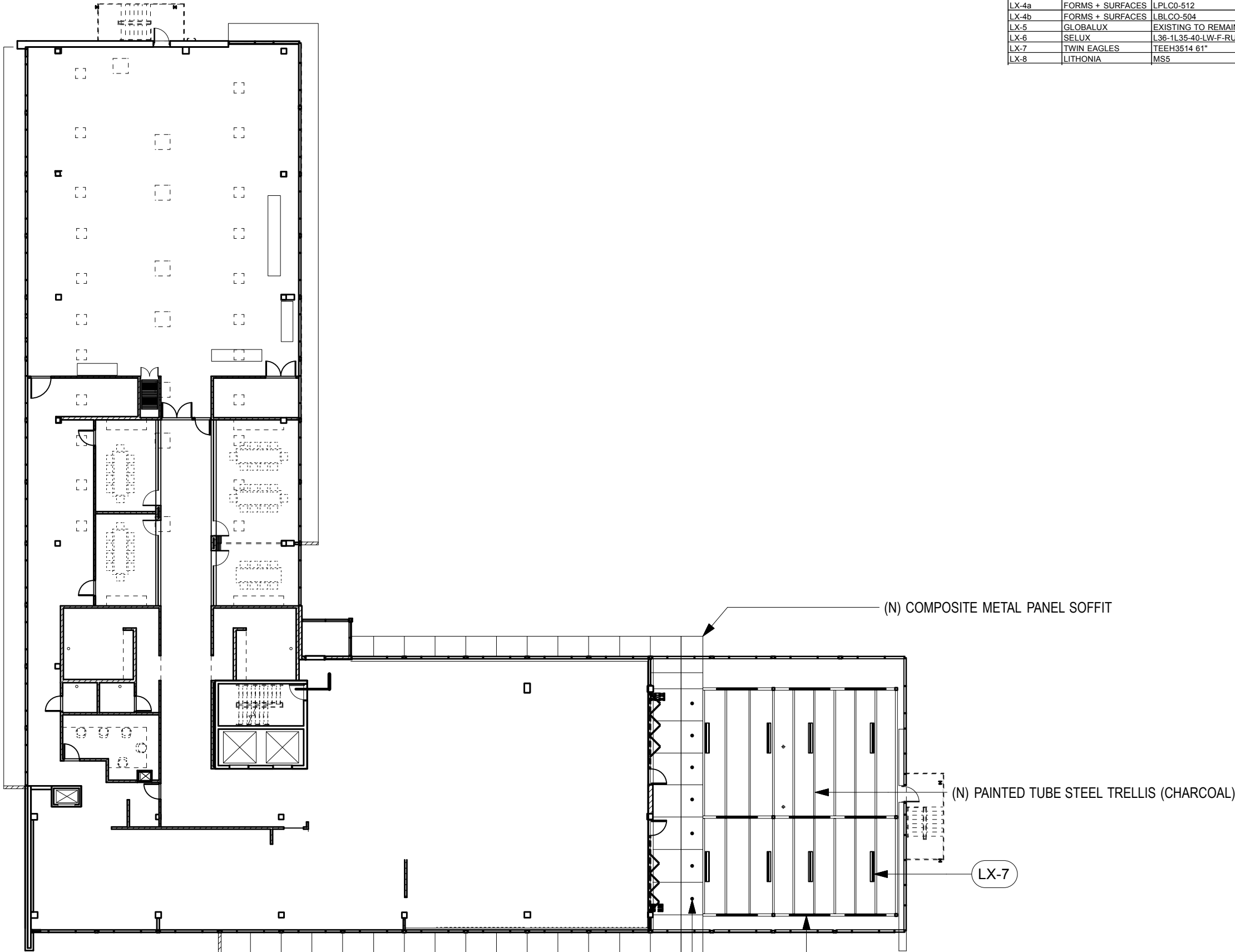
C.20

Level 1 RCP

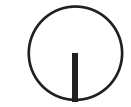
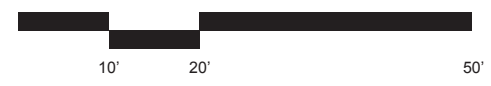


RED LION HOTEL REMODEL

LIGHTING SCHEDULE				
FIXTURE ID	MANUF	PRODUCT #	NOTES	QNTY
LX-1	NEO-RAY	S22DR-1L40-ETG-41-U-D-S925	EM AS REQ'D	
LX-2	HALO	ML 56 SERIES RECESSED CAN	EM AS REQ'D, WHITE TRIM, SPECULAR BAFFLE, TYP	
LX-3	KLUS	GIZA EXTRUSION W/ LED TAPE	LENGTHS AS SHOWN ON PLANS	
LX-4a	FORMS + SURFACES	LPLCO-512	LIGHT POLE	4
LX-4b	FORMS + SURFACES	LBLCO-504	BOLLARD	4
LX-5	GLOBALUX	EXISTING TO REMAIN		
LX-6	SELUX	L36-1L35-40-LW-F-RUN-BK-120-DML-DL		
LX-7	TWIN EAGLES	TEEH3514 61"	ELECTRIC	
LX-8	LITHONIA	MS5	LOW PROFILE T5 DIRECT	



Level 6 RCP



DESIGN REVIEW
06.27.2014

LU 14-144166 DZM

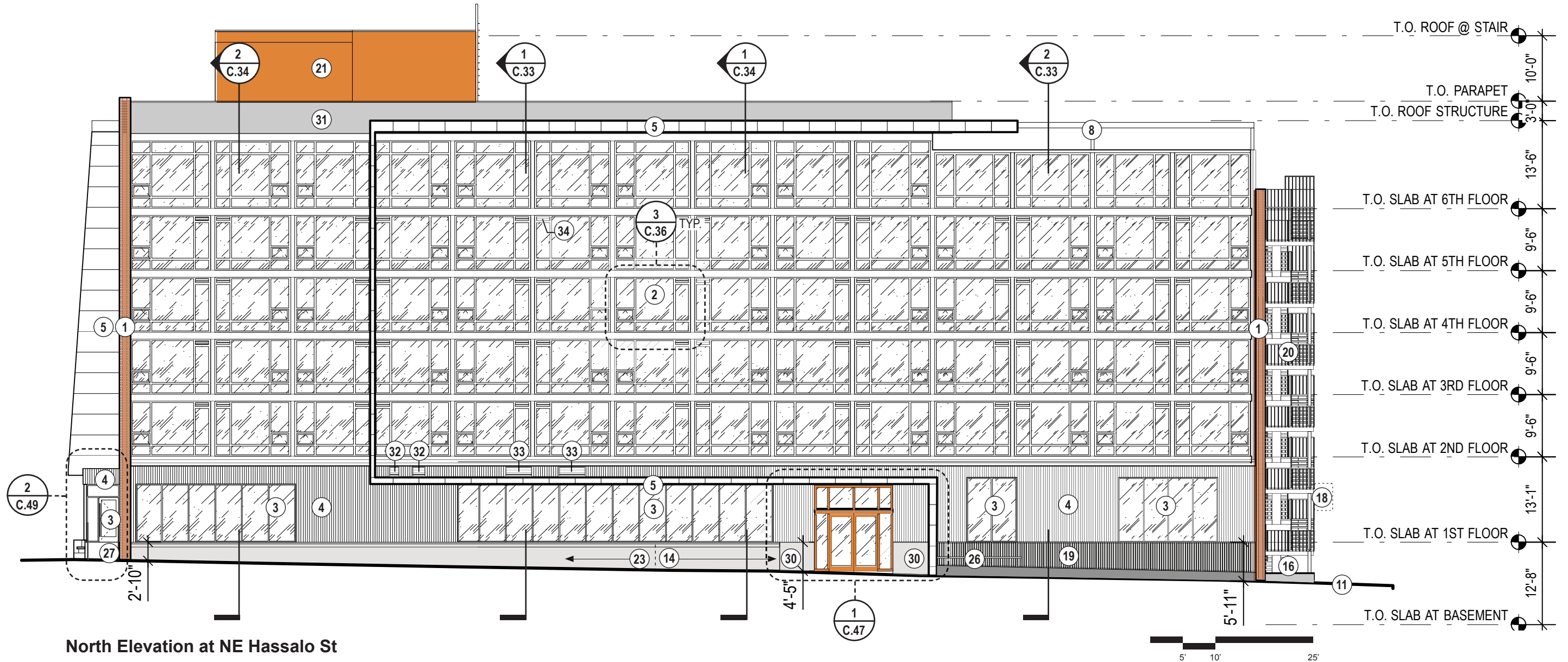
Title:
LEVEL 6 RCP

Sheet:

C.21

KEY

- ① (E) BRICK PATTERN, REMOVE PAINT
- ② (N) ALUMINUM CURTAIN WALL
- ③ (N) ALUMINUM STOREFRONT
- ④ (N) VERTICAL METAL PANEL
- ⑤ (N) WHITE COMPOSITE METAL PANEL WITH CONCEALED FASTENERS
- ⑥ (N) METAL SCREEN
- ⑦ (N) METAL LINEAR CEILING
- ⑧ (N) PAINTED TUBE STEEL TRELLIS
- ⑨ (N) ROOF
- ⑩ (N) TRAFFIC COATING
- ⑪ (N) SIDEWALK
- ⑫ (N) ON-SITE PEDESTRIAN WALKWAY
- ⑬ (N) STAIR
- ⑭ (N) CONCRETE, PAINT
- ⑮ REMOVE (E) SIGN
- ⑯ (N) LANDSCAPING
- ⑰ (N) ELEVATOR
- ⑱ (N) SIGNAGE
- ⑲ (N) RAILING
- ⑳ (E) STAIR, PAINT
- ㉑ (E) PENTHOUSE, PAINT
- ㉒ (E) CONCRETE, PAINT
- ㉓ (E) PLANTER WALL, REMOVE BRICK VENEER, PATCH & PAINT
- ㉔ (N) RAISED PLANTER
- ㉕ (N) ORANGE POWDER COATED METAL
- ㉖ (N) BENCH
- ㉗ (N) RAMP
- ㉘ (N) DOOR
- ㉙ (N) OVERHEAD GARAGE DOOR
- ㉚ (N) STUCCO
- ㉛ (E) STUCCO, PAINT
- ㉜ 18"x24" LOUVER
- ㉝ 18"x48" LOUVER
- ㉞ 8"x30" LOUVER, TYP.



North Elevation at NE Hassalo St

DESIGN REVIEW

06.27.2014

LU 14-144166 DZM





Title:

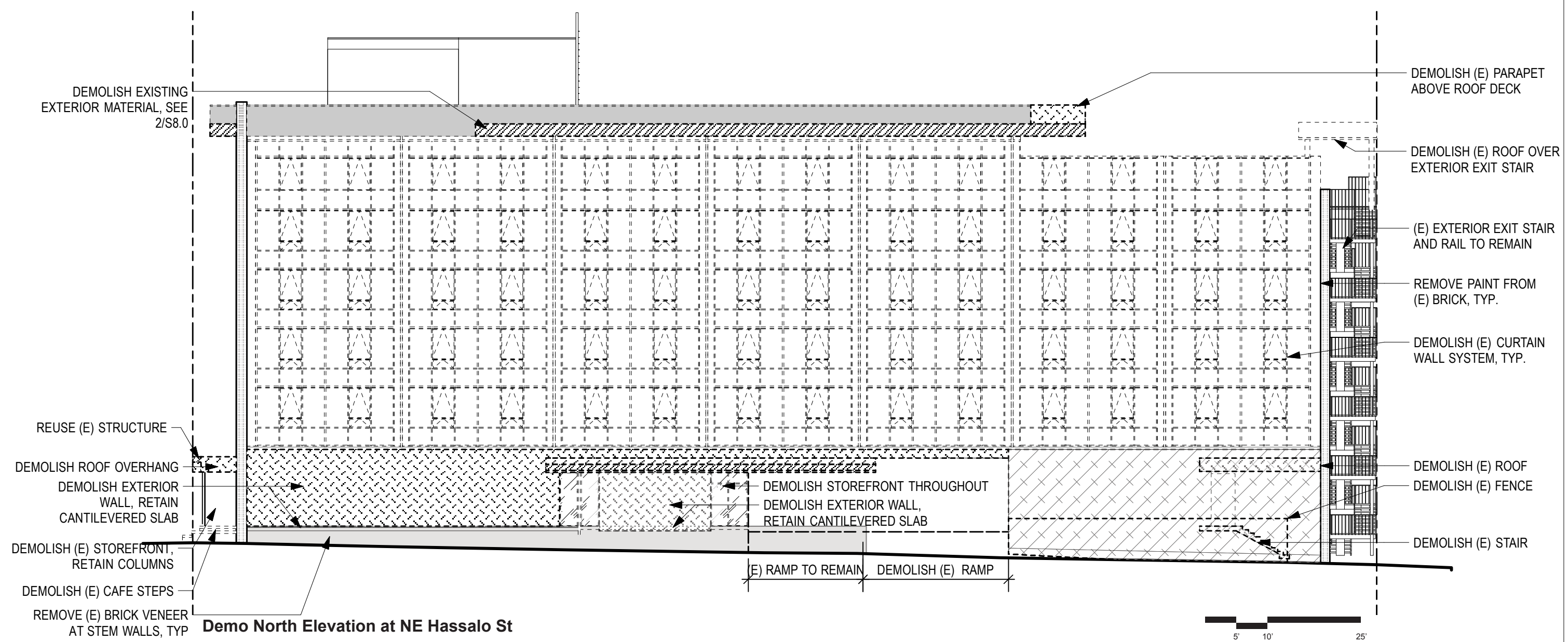
NORTH ELEVATION

Sheet:

RED LION HOTEL REMODEL

LEGEND

	DEMOLISH, RETAIN ALL PRIMARY STRUCTURE, U.N.O.
	DEMOLISH EXTERIOR MATERIAL, REUSE OR MODIFY (E) STRUCTURE
	DEMOLISH EXTERIOR MATERIAL ONLY
	DEMOLISH EXTERIOR DOWN TO STUDS



Demo North Elevation at NE Hassalo St

DESIGN REVIEW
06.27.2014

LU 14-144166 D2M

Title:

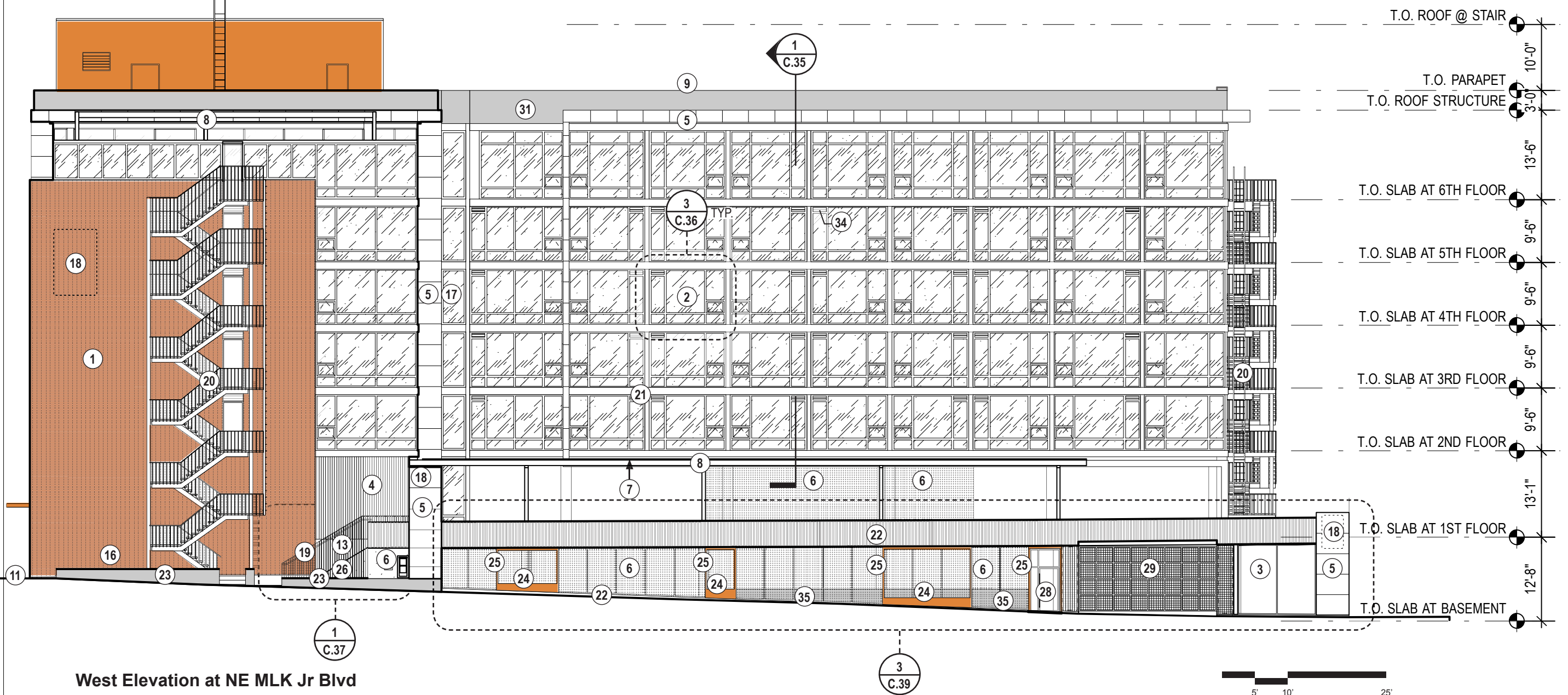
DEMO NORTH ELEVATION

Sheet:

C.22.1

KEY

- | | | |
|--|------------------------------------|--|
| ① (E) BRICK PATTERN, REMOVE PAINT | ⑬ (N) STAIR | ⑲ (N) RAILING |
| ② (N) ALUMINUM CURTAIN WALL | ⑭ (N) CONCRETE, PAINT | ⑳ (E) STAIR, PAINT |
| ③ (N) ALUMINUM STOREFRONT | ⑮ REMOVE (E) SIGN | ㉑ (E) PENTHOUSE, PAINT |
| ④ (N) VERTICAL METAL PANEL | ⑯ (N) LANDSCAPING | ㉒ (E) CONCRETE, PAINT |
| ⑤ (N) WHITE COMPOSITE METAL PANEL WITH CONCEALED FASTENERS | ⑰ (N) ELEVATOR | ㉓ (E) PLANTER WALL, REMOVE BRICK VENEER, PATCH & PAINT |
| ⑥ (N) METAL SCREEN | ⑱ (N) SIGNAGE | ㉔ (N) RAISED PLANTER |
| ⑦ (N) METAL LINEAR CEILING | ㉚ (N) BENCH | |
| ⑧ (N) PAINTED TUBE STEEL TRELLIS | ㉛ (N) RAMP | |
| ⑨ (N) ROOF | ㉜ (N) DOOR | |
| ⑩ (N) TRAFFIC COATING | ㉝ (N) ORANGE POWDER COATED METAL | |
| ⑪ (N) SIDEWALK | ㉞ (N) OVERHEAD GARAGE DOOR | |
| ⑫ (N) ON-SITE PEDESTRIAN WALKWAY | ㉟ (N) STUCCO | |
| | ㊱ (E) STUCCO, PAINT | |
| | ㊲ 18"x24" LOUVER | |
| | ㊳ 18"x48" LOUVER | |
| | ㊴ 8"x30" LOUVER, TYP. | |
| | ㊵ SECONDARY METAL SCREEN AT GARAGE | |



DESIGN REVIEW

06.27.2014

LU 14-144166 DZM

Title:

WEST ELEVATION





Sheet:

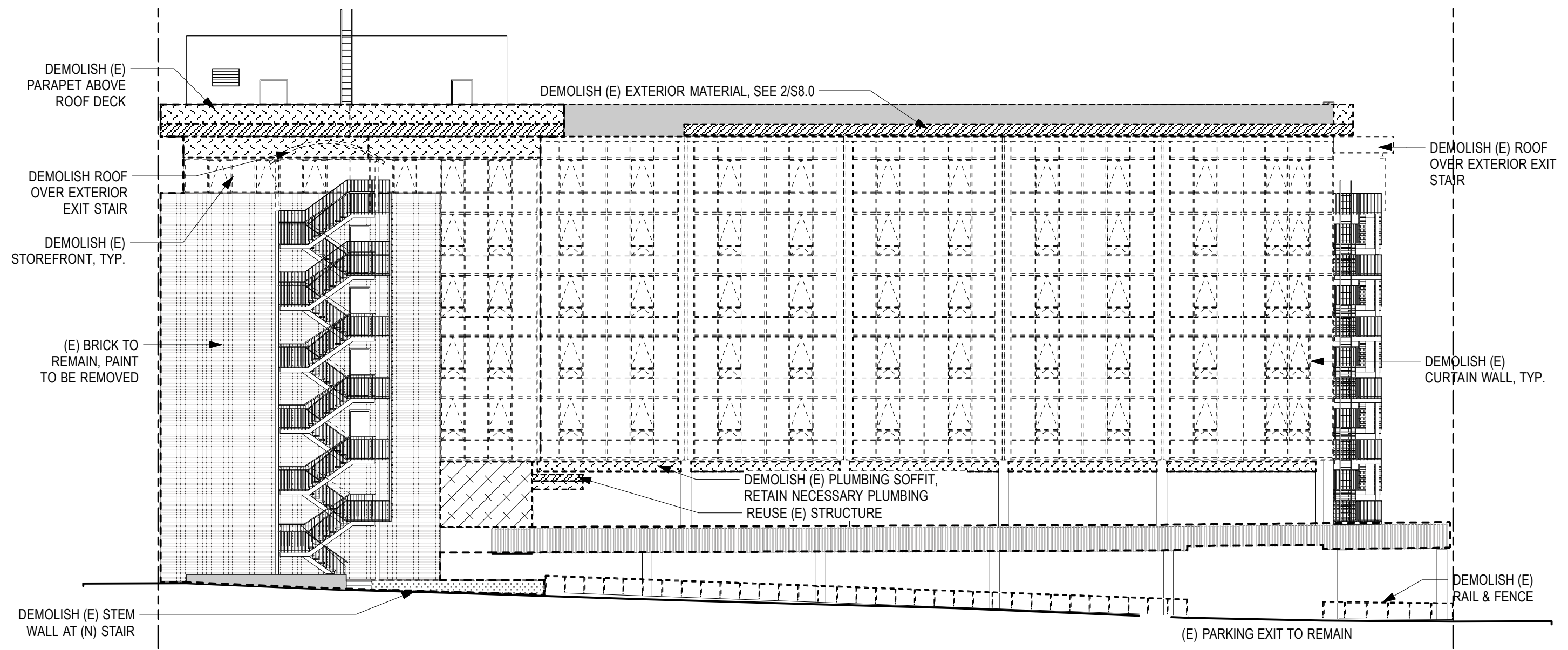
C.23

West Elevation at NE MLK Jr Blvd

RED LION HOTEL REMODEL

LEGEND

	DEMOLISH, RETAIN ALL PRIMARY STRUCTURE, U.N.O.
	DEMOLISH EXTERIOR MATERIAL, REUSE OR MODIFY (E) STRUCTURE
	DEMOLISH EXTERIOR MATERIAL ONLY
	DEMOLISH EXTERIOR DOWN TO STUDS



Demo West Elevation at NE MLK Jr Blvd



DESIGN REVIEW
06.27.2014

LU 14-144166 DZM

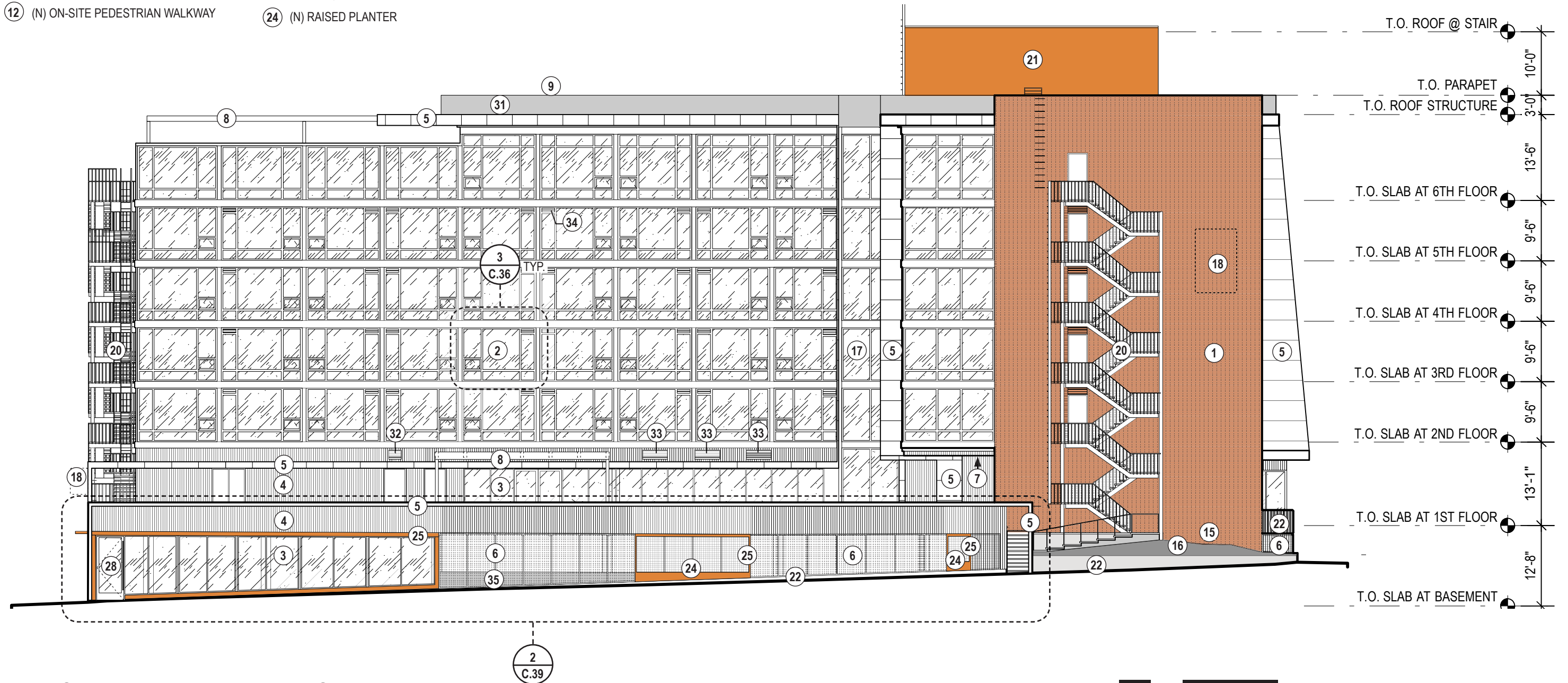
Title:
DEMO WEST ELEVATION

Sheet:

C.23.1

KEY

- | | | |
|--|--|------------------------------------|
| ① (E) BRICK PATTERN, REMOVE PAINT | ⑬ (N) STAIR | ⑳ (N) ORANGE POWDER COATED METAL |
| ② (N) ALUMINUM CURTAIN WALL | ⑭ (N) CONCRETE, PAINT | ㉑ (N) BENCH |
| ③ (N) ALUMINUM STOREFRONT | ⑮ REMOVE (E) SIGN | ㉒ (N) RAMP |
| ④ (N) VERTICAL METAL PANEL | ⑯ (N) LANDSCAPING | ㉓ (N) DOOR |
| ⑤ (N) WHITE COMPOSITE METAL PANEL WITH CONCEALED FASTENERS | ⑰ (N) ELEVATOR | ㉔ (N) OVERHEAD GARAGE DOOR |
| ⑥ (N) METAL SCREEN | ⑱ (N) SIGNAGE | ㉕ (N) STUCCO |
| ⑦ (N) METAL LINEAR CEILING | ㉒ (N) RAILING | ㉖ (E) STUCCO, PAINT |
| ⑧ (N) PAINTED TUBE STEEL TRELLIS | ㉓ (E) STAIR, PAINT | ㉗ 18"x24" LOUVER |
| ⑨ (N) ROOF | ㉔ (E) PENTHOUSE, PAINT | ㉘ 18"x48" LOUVER |
| ⑩ (N) TRAFFIC COATING | ㉕ (E) CONCRETE, PAINT | ㉙ 8"x30" LOUVER, TYP. |
| ⑪ (N) SIDEWALK | ㉖ (E) PLANTER WALL, REMOVE BRICK VENEER, PATCH & PAINT | ㉚ SECONDARY METAL SCREEN AT GARAGE |
| ⑫ (N) ON-SITE PEDESTRIAN WALKWAY | ㉗ (N) RAISED PLANTER | |



South Elevation at NE Holladay St

DESIGN REVIEW

06.27.2014

LU 14-144166 DZM





Title:

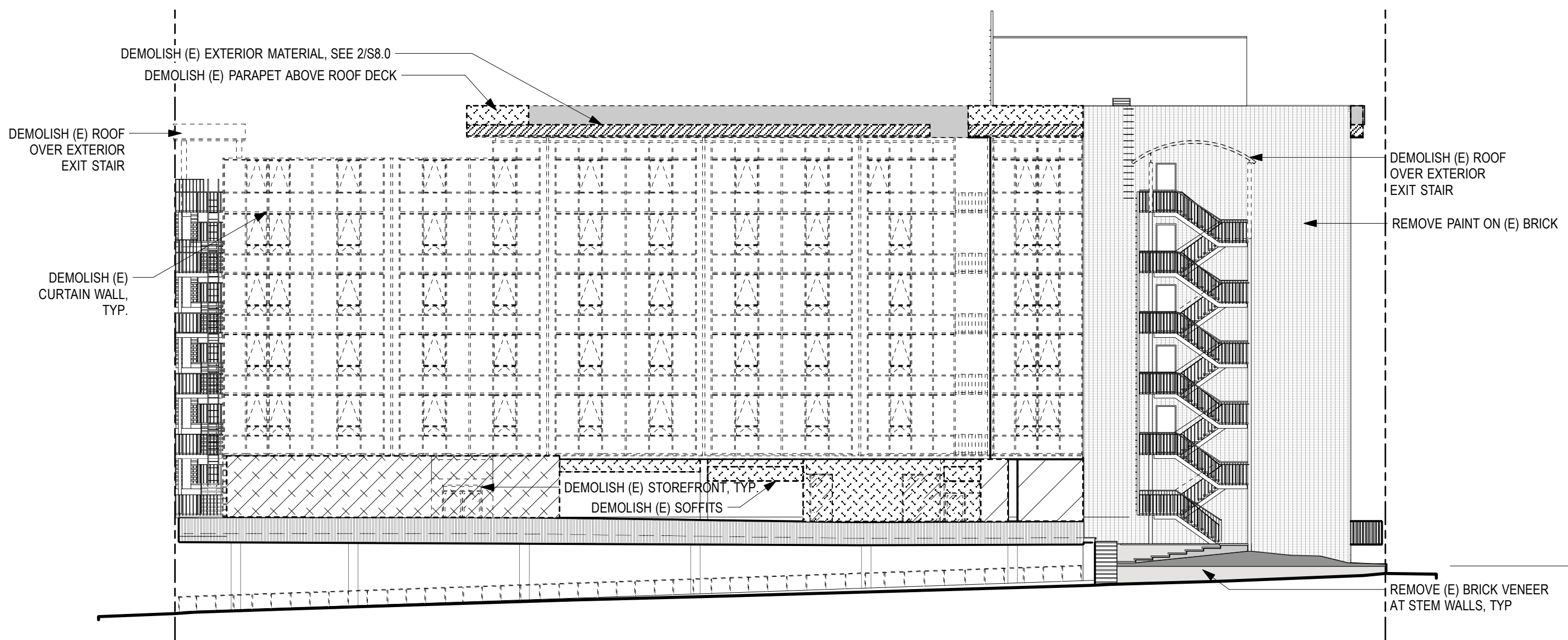
SOUTH ELEVATION

Sheet:

C.24

LEGEND

	DEMOLISH, RETAIN ALL PRIMARY STRUCTURE, U.N.O.
	DEMOLISH EXTERIOR MATERIAL, REUSE OR MODIFY (E) STRUCTURE
	DEMOLISH EXTERIOR MATERIAL ONLY
	DEMOLISH EXTERIOR DOWN TO STUDS



RED LION HOTEL REMODEL

DESIGN REVIEW
06.27.2014

LU 14-144166 DZM

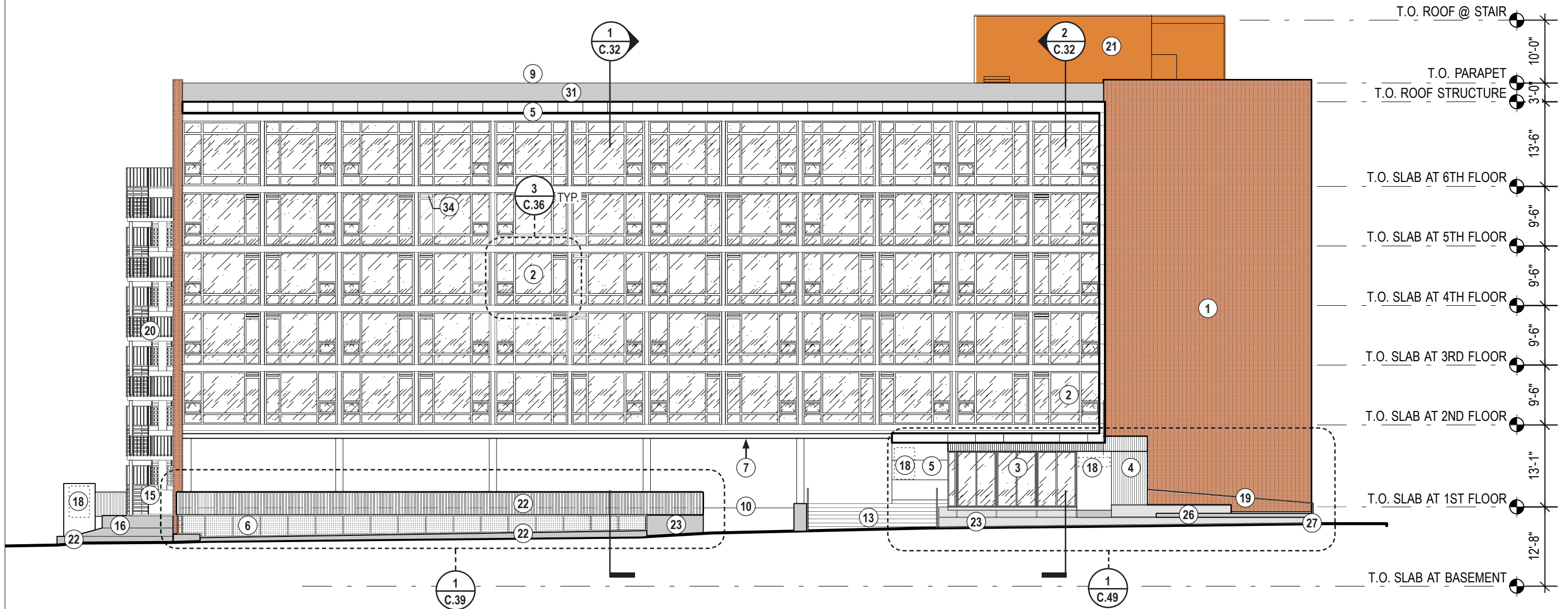
Title:
DEMO SOUTH ELEVATION

Sheet:

Demo South Elevation at NE Holladay St

KEY

- ① (E) BRICK PATTERN, REMOVE PAINT
- ② (N) ALUMINUM CURTAIN WALL
- ③ (N) ALUMINUM STOREFRONT
- ④ (N) VERTICAL METAL PANEL
- ⑤ (N) WHITE COMPOSITE METAL PANEL WITH CONCEALED FASTENERS
- ⑥ (N) METAL SCREEN
- ⑦ (N) METAL LINEAR CEILING
- ⑧ (N) PAINTED TUBE STEEL TRELLIS
- ⑨ (N) ROOF
- ⑩ (N) TRAFFIC COATING
- ⑪ (N) SIDEWALK
- ⑫ (N) ON-SITE PEDESTRIAN WALKWAY
- ⑬ (N) STAIR
- ⑭ (N) CONCRETE, PAINT
- ⑮ REMOVE (E) SIGN
- ⑯ (N) LANDSCAPING
- ⑰ (N) ELEVATOR
- ⑱ (N) SIGNAGE
- ⑲ (N) RAILING
- ⑳ (E) STAIR, PAINT
- ㉑ (E) PENTHOUSE, PAINT
- ㉒ (E) CONCRETE, PAINT
- ㉓ (E) PLANTER WALL, REMOVE BRICK VENEER, PATCH & PAINT
- ㉔ (N) RAISED PLANTER
- ㉕ (N) ORANGE POWDER COATED METAL
- ㉖ (N) BENCH
- ㉗ (N) RAMP
- ㉘ (N) DOOR
- ㉙ (N) OVERHEAD GARAGE DOOR
- ㉚ (N) STUCCO
- ㉛ (E) STUCCO, PAINT
- ㉜ 18"x24" LOUVER
- ㉝ 18"x48" LOUVER
- ㉞ 8"x30" LOUVER, TYP.



DESIGN REVIEW

06.27.2014

LU 14-144166 DZM

Title:

EAST ELEVATION





Sheet:

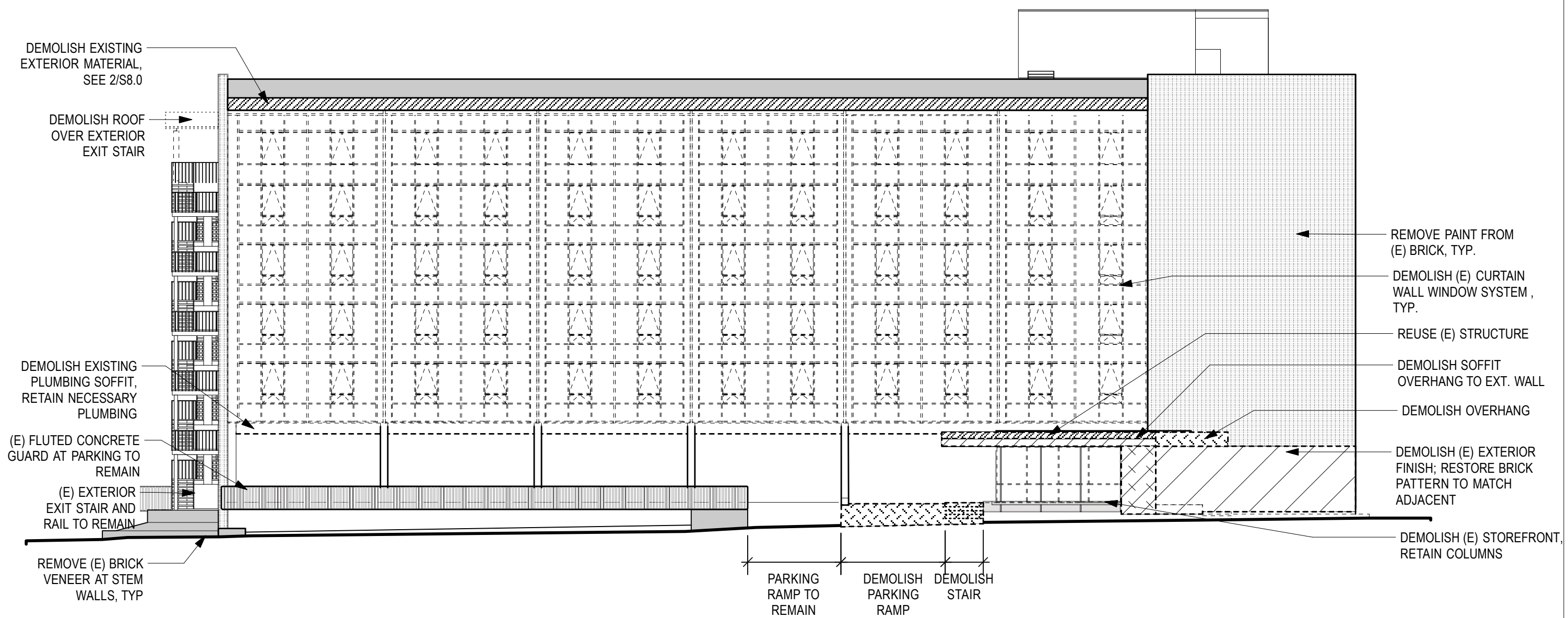
C.25

East Elevation at NE Grand Ave



RED LION HOTEL REMODEL

- LEGEND**
-  DEMOLISH, RETAIN ALL PRIMARY STRUCTURE, U.N.O.
 -  DEMOLISH EXTERIOR MATERIAL, REUSE OR MODIFY (E) STRUCTURE
 -  DEMOLISH EXTERIOR MATERIAL ONLY
 -  DEMOLISH EXTERIOR DOWN TO STUDS



Demo East Elevation at NE Grand Ave



DESIGN REVIEW
06.27.2014

LU 14-144166 DZM

Title:
DEMO
EAST
ELEVATION

Sheet:

C.25.1



Perspective of North-East Corner at NE Grand Ave and NE Hassalo St



Existing Conditions

DESIGN REVIEW
06.27.2014

LU 14-144166 DZM

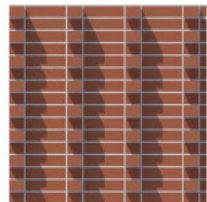
Title:
RENDERING

Sheet:

C.26



Naranja



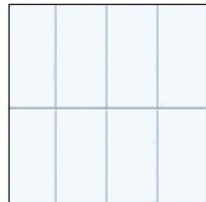
Brick



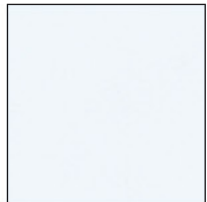
Vertical Metal Panel



Linear Metal Ceiling



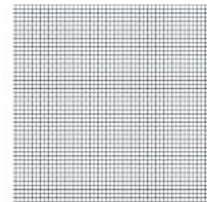
White Composite Panel



White Fascia



Natural Concrete



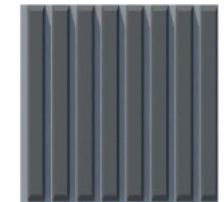
Metal Mesh Screen



Light Grey



Charcoal Grey



Fluted Concrete



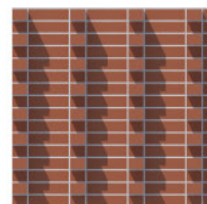
Existing Conditions



Perspective of South-East Corner at NE Grand Ave and NE Holladay St



Naranja



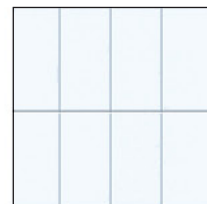
Brick



Vertical Metal Panel



Linear Metal Ceiling



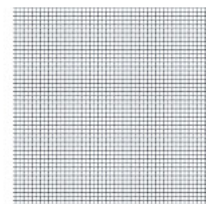
White Composite Panel



White Fascia



Natural Concrete



Metal Mesh Screen



Light Grey



Charcoal Grey



Fluted Concrete



Perspective of South-East Corner at NE Grand Ave and NE Holladay St

DESIGN REVIEW

06.27.2014

LU 14-144166 DZM

Title:

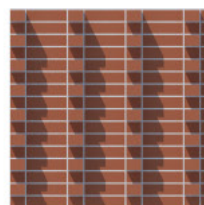
RENDERING

Sheet:

C.28



Naranja



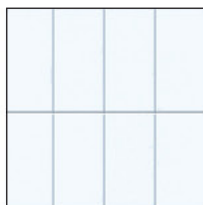
Brick



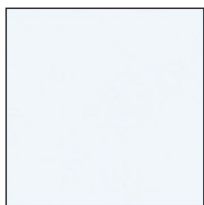
Vertical Metal Panel



Linear Metal Ceiling



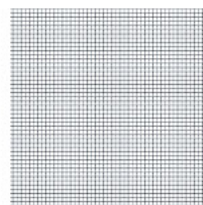
White Composite Panel



White Fascia



Natural Concrete



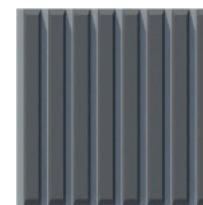
Metal Mesh Screen



Light Grey



Charcoal Grey



Fluted Concrete



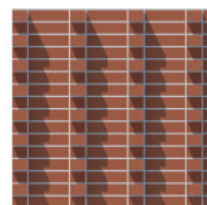
Existing Conditions



Perspective of North-West Corner at NE MLK Jr Blvd and NE Hassalo St



Naranja



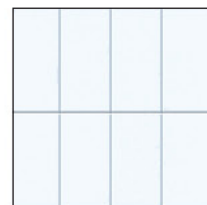
Brick



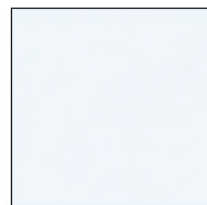
Vertical Metal Panel



Linear Metal Ceiling



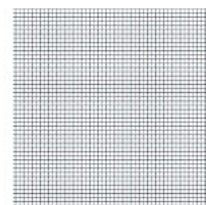
White Composite Panel



White Fascia



Natural Concrete



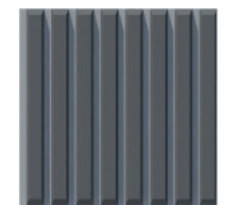
Metal Mesh Screen



Light Grey



Charcoal Grey



Fluted Concrete



Perspective of North-West Corner at NE MLK Jr Blvd and NE Hassalo St

DESIGN REVIEW

06.27.2014

LU 14-144166 DZM

Title:

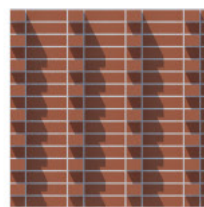
RENDERING

Sheet:

C.30



Naranja



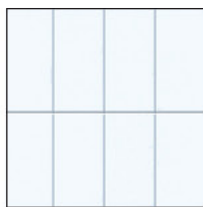
Brick



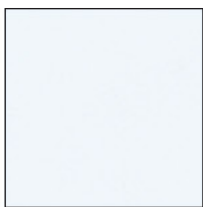
Vertical Metal Panel



Linear Metal Ceiling



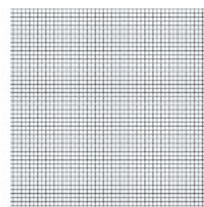
White Composite Panel



White Fascia



Natural Concrete



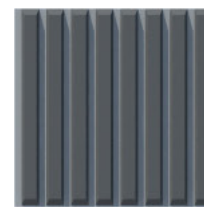
Metal Mesh Screen



Light Grey



Charcoal Grey



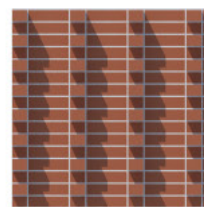
Fluted Concrete



Aerial view from the South-West



Naranja



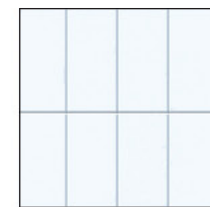
Brick



Vertical Metal Panel



Linear Metal Ceiling



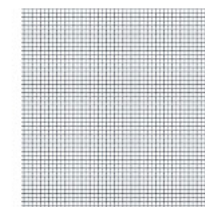
White Composite Panel



White Fascia



Natural Concrete



Metal Mesh Screen



Light Grey



Charcoal Grey



Fluted Concrete



Night Aerial view from the South-West

DESIGN REVIEW

06.27.2014

LU 14-144166 DZM

Title:

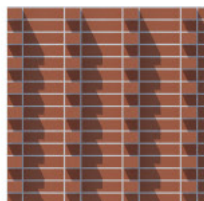
RENDERING

Sheet:

C.31.1



Naranja



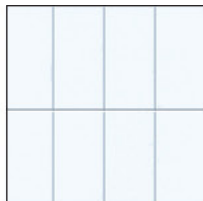
Brick



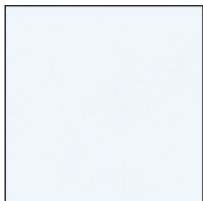
Vertical Metal Panel



Linear Metal Ceiling



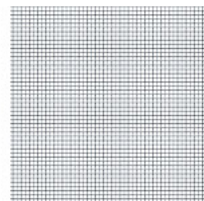
White Composite Panel



White Fascia



Natural Concrete



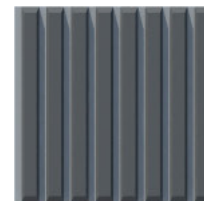
Metal Mesh Screen



Light Grey



Charcoal Grey



Fluted Concrete



Night View from the South-West Corner



View from the South-West Corner

RED LION HOTEL REMODEL

DESIGN REVIEW

06.27.2014

LU 14-144166 DZM

Title:

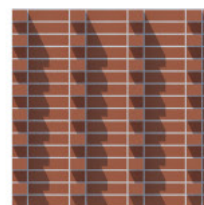
RENDERING

Sheet:

C.31.2



Naranja



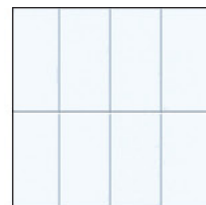
Brick



Vertical Metal Panel



Linear Metal Ceiling



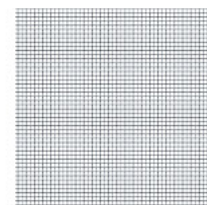
White Composite Panel



White Fascia



Natural Concrete



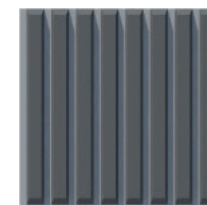
Metal Mesh Screen



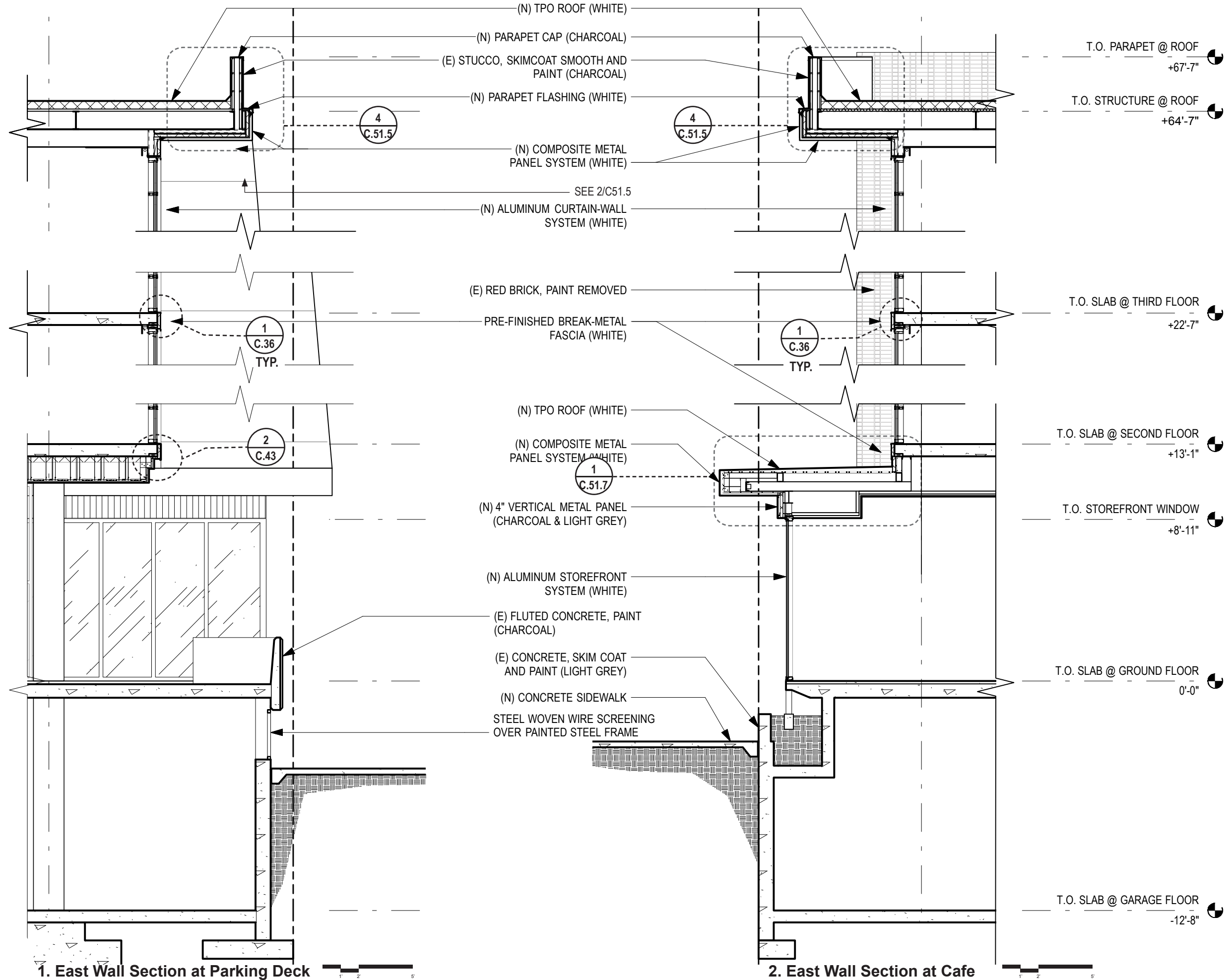
Light Grey



Charcoal Grey



Fluted Concrete



1. East Wall Section at Parking Deck

2. East Wall Section at Cafe

DESIGN REVIEW

06.27.2014

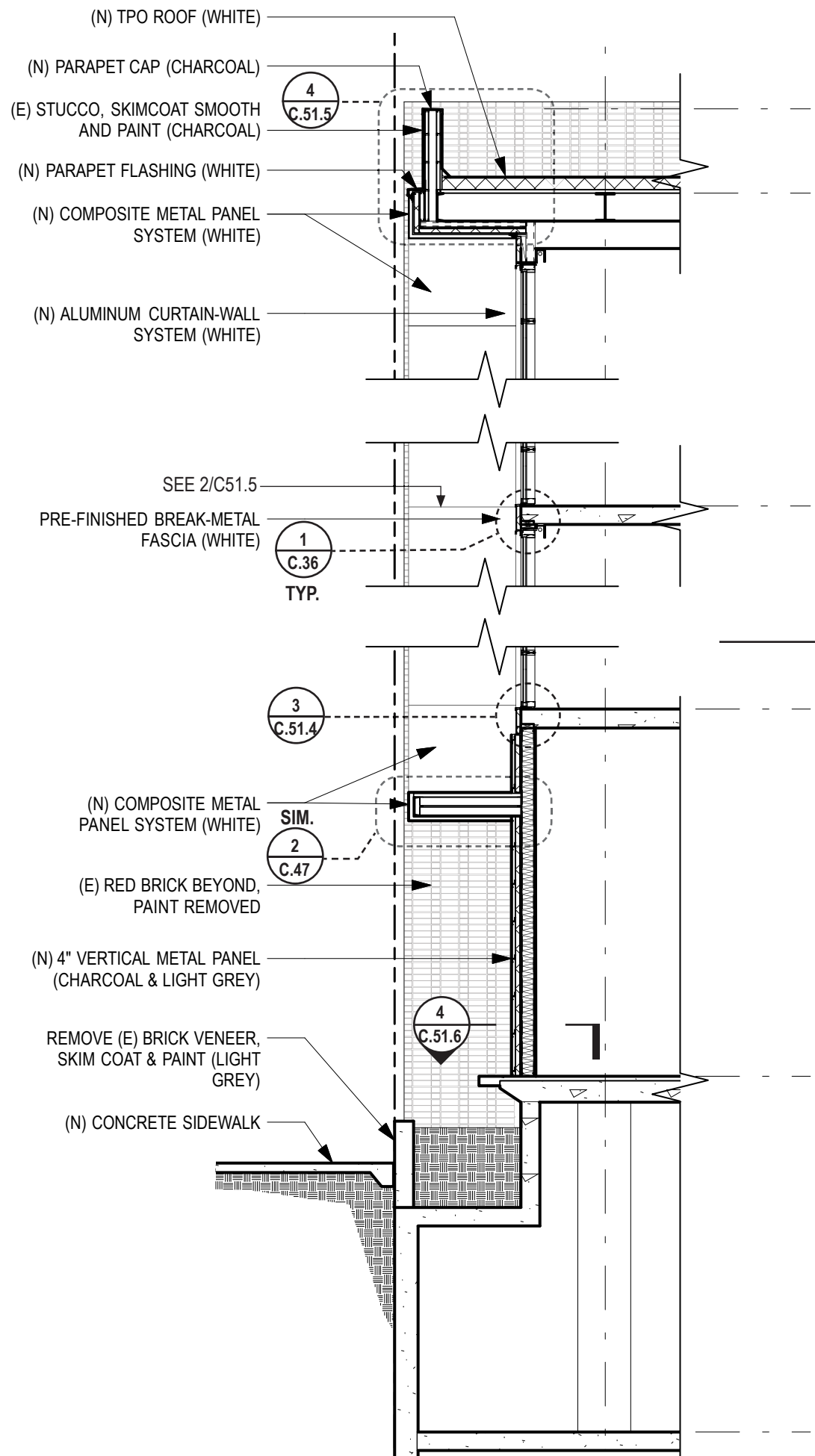
LU 14-144166 DZM

Title:

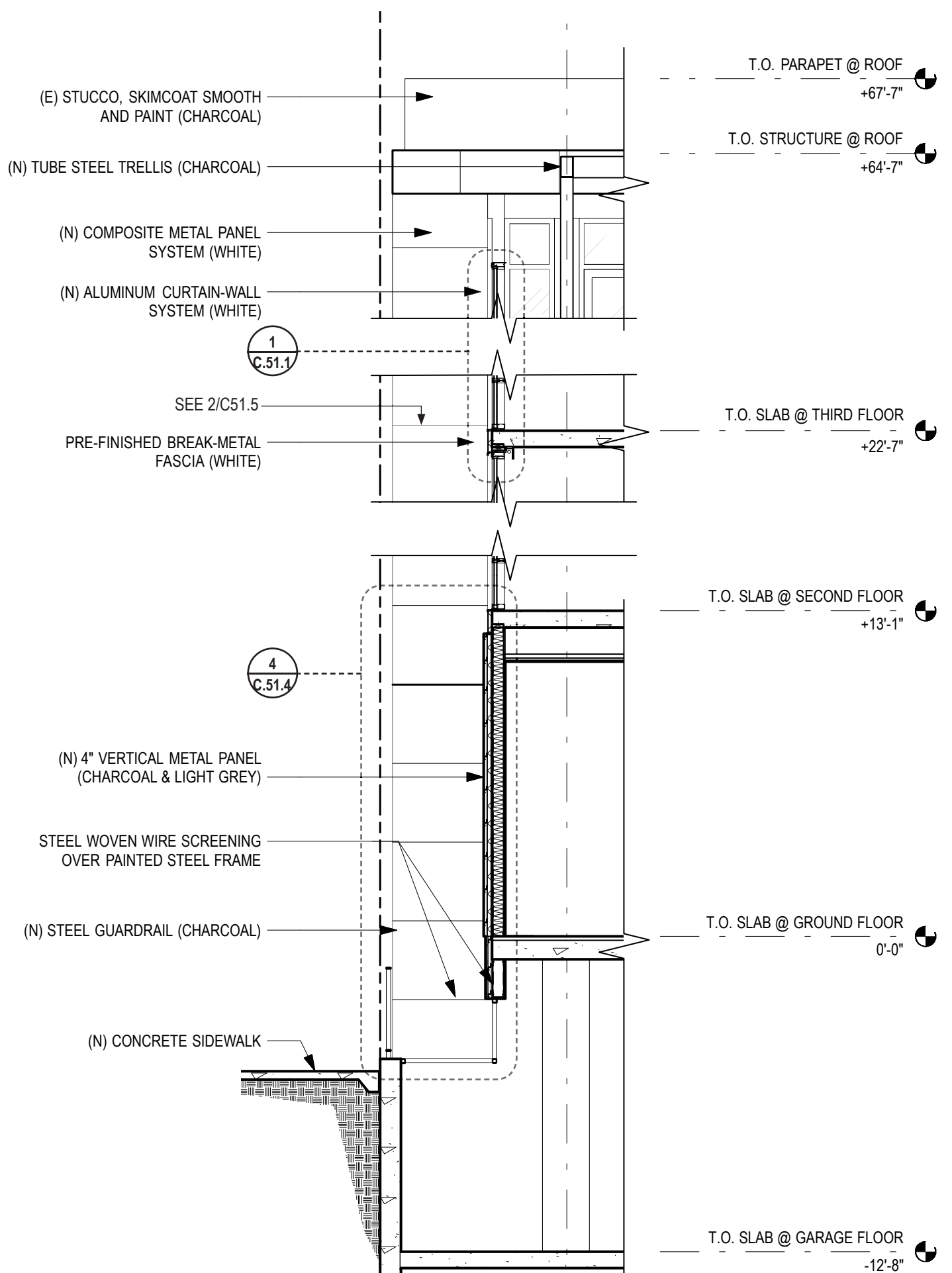
WALL SECTIONS

Sheet:

C.32



1. North Wall Section at Entry Planter



2. North Wall Section at Roof Deck

DESIGN REVIEW

06.27.2014

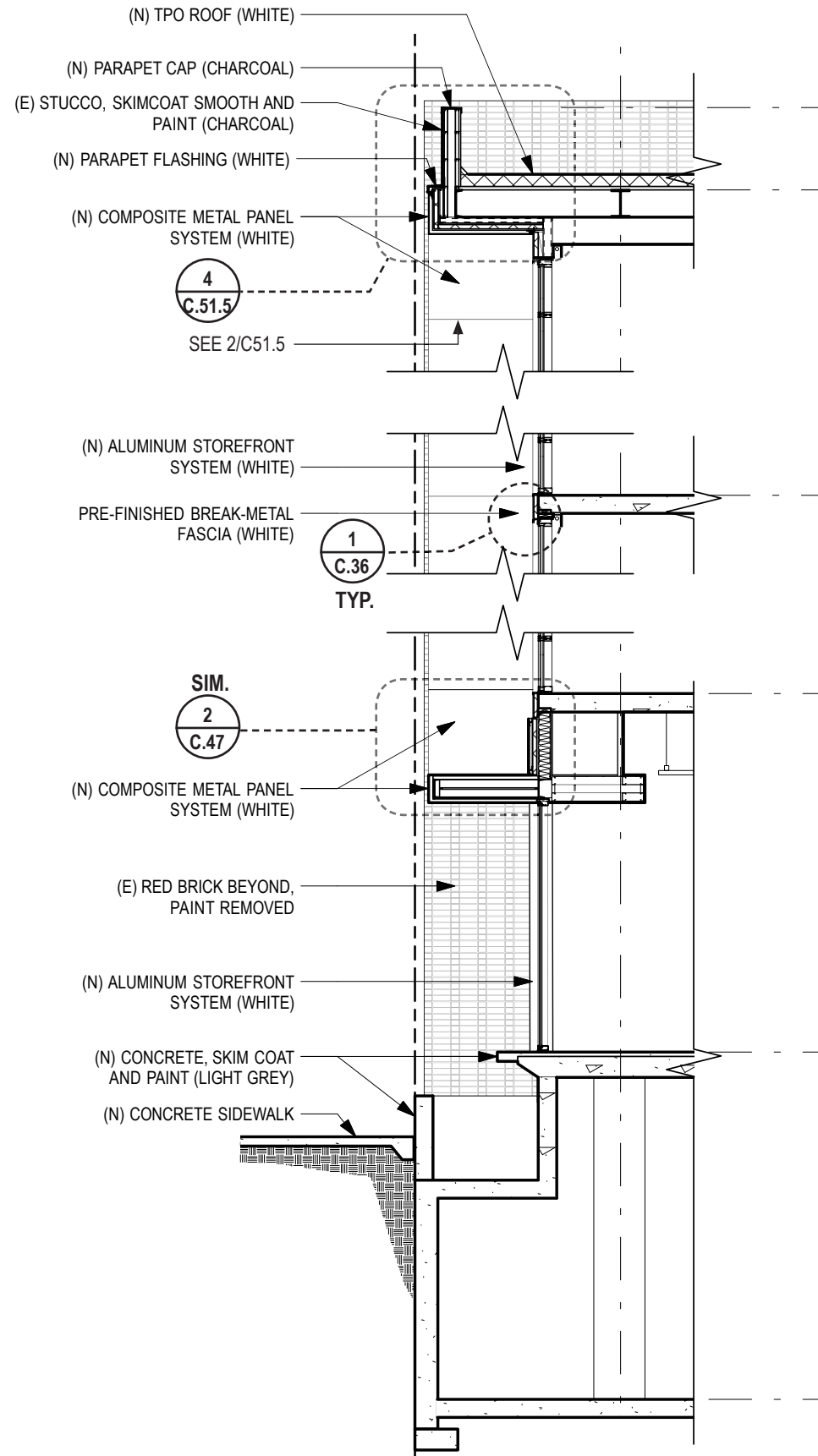
LU 14-144166 DZM

Title:

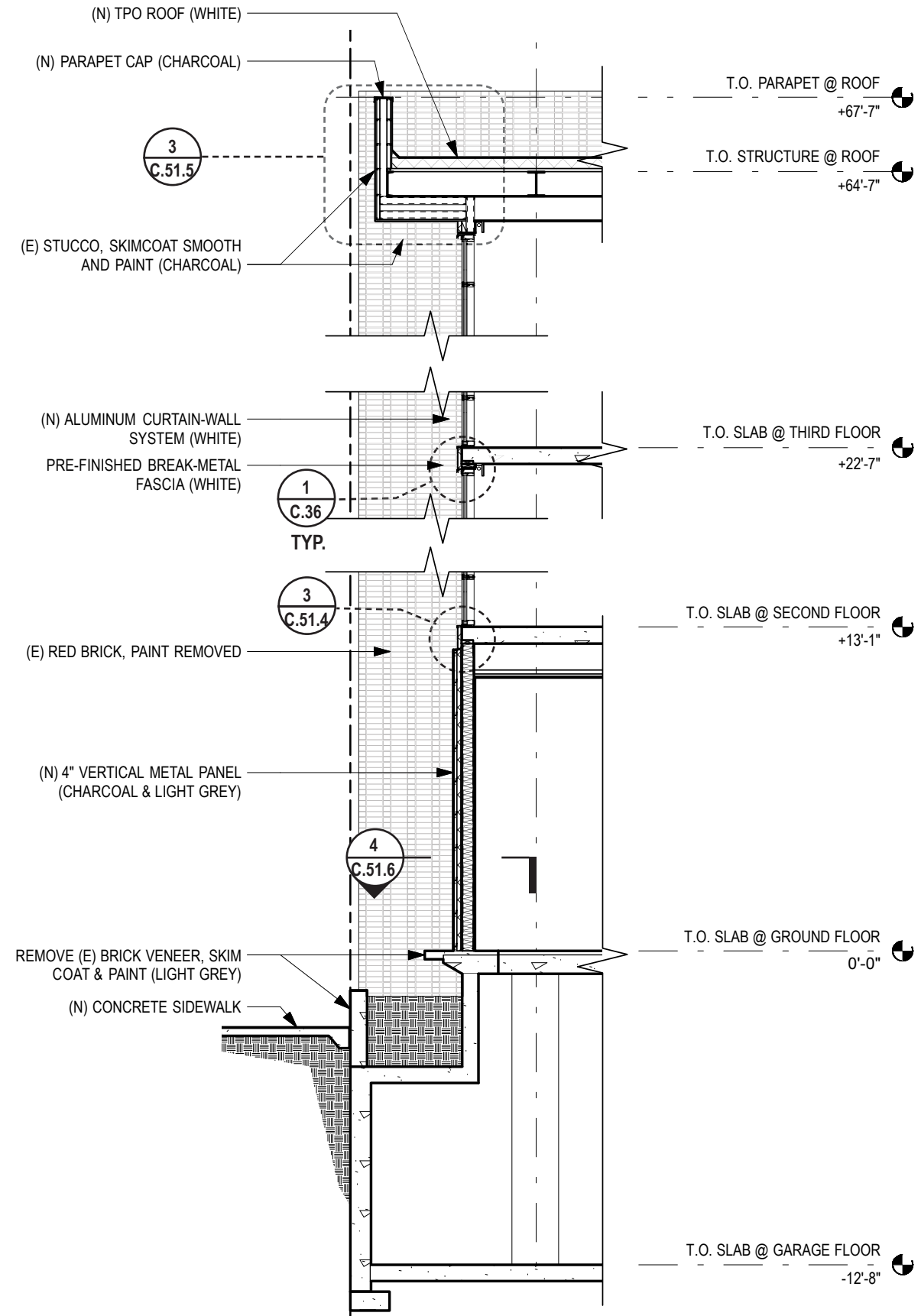
WALL SECTIONS

Sheet:

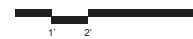
C.34

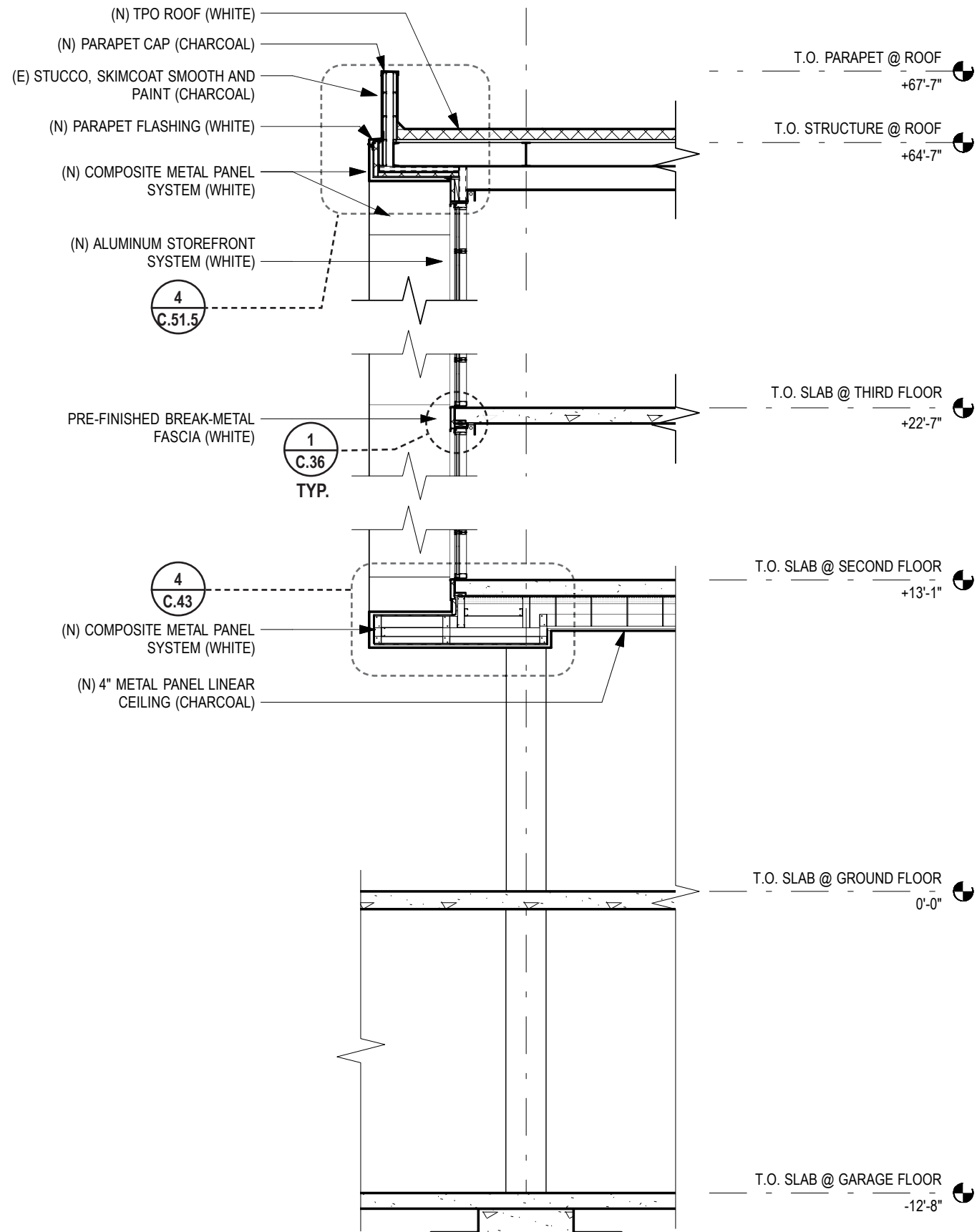


1. North Wall Section at Metal Panel Element



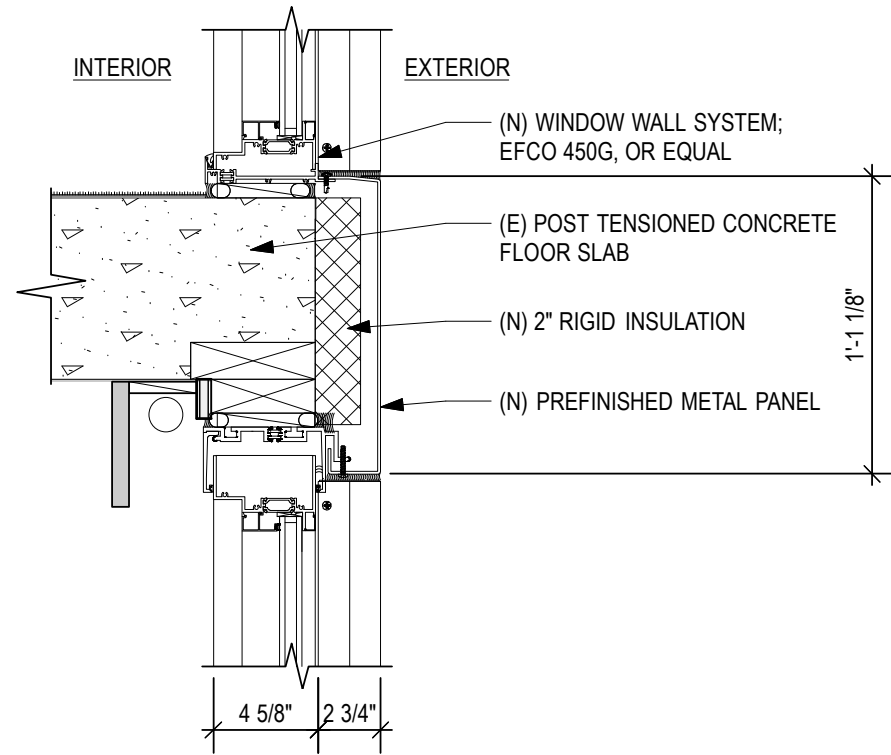
2. North Wall Section at Cafe



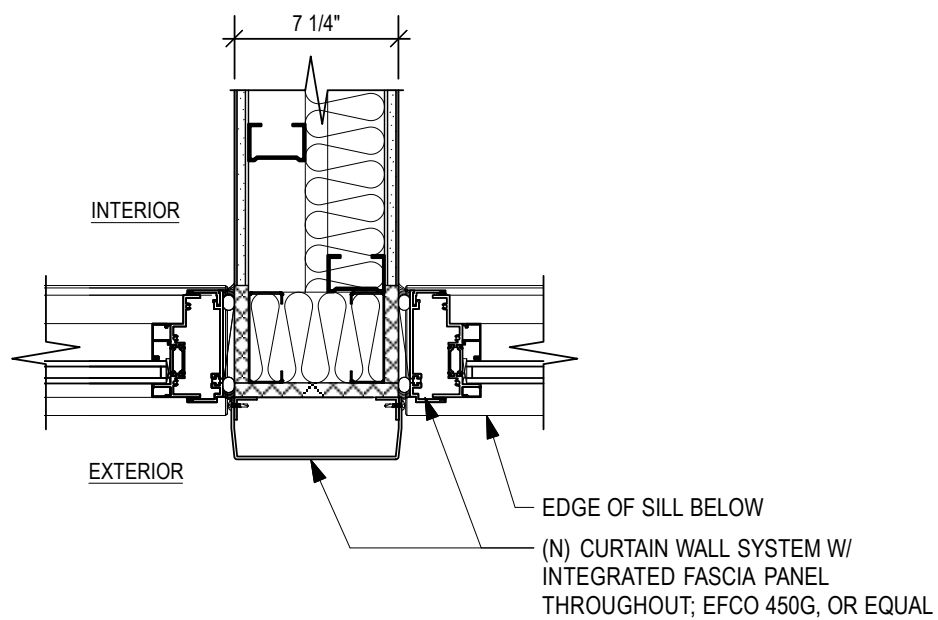


1. West Wall Section at Parking

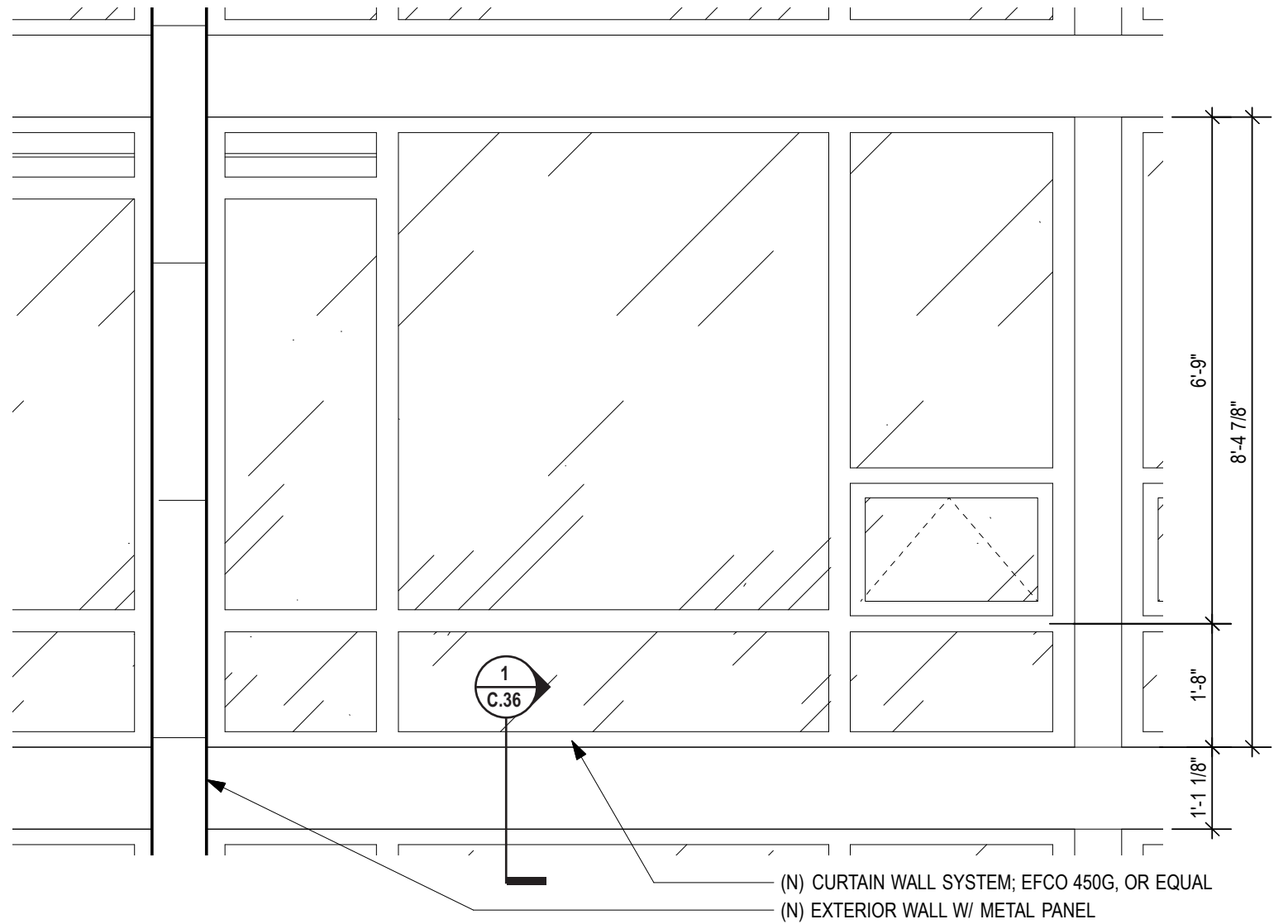




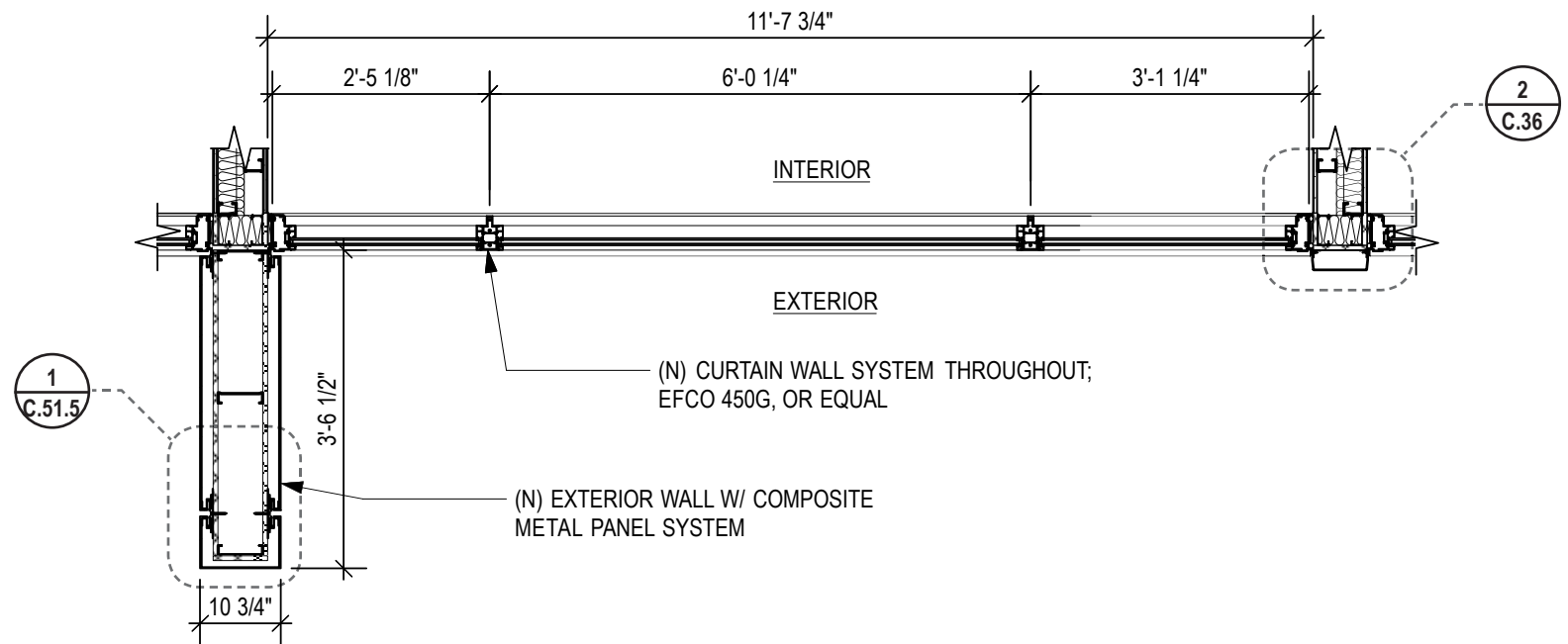
1. Typ Curtain Wall Head and Sill Details



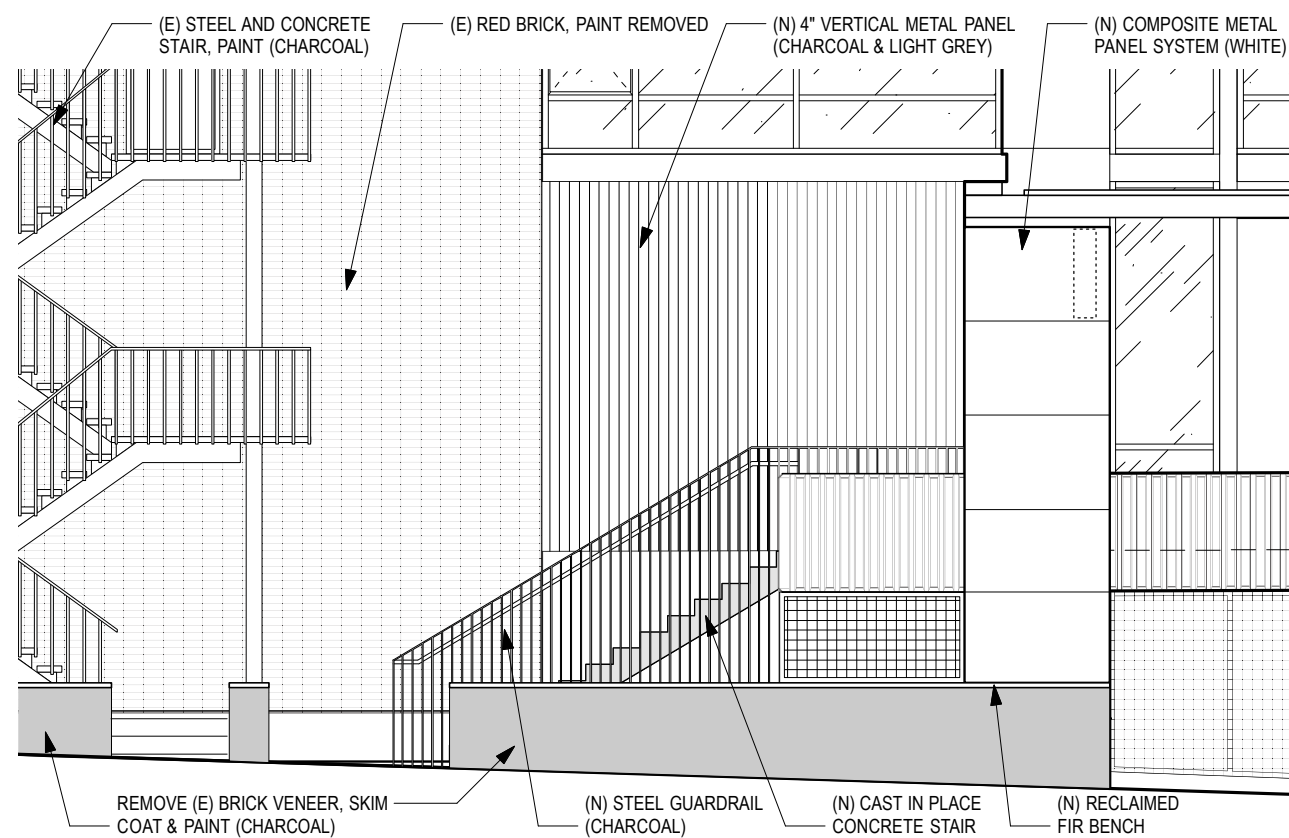
2. Typ Curtain Wall Jamb Detail



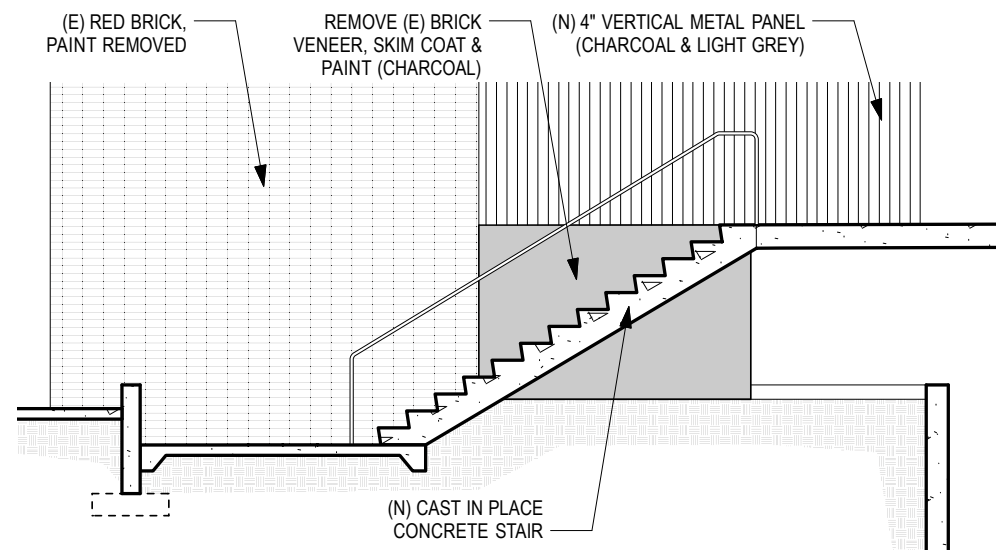
3. Typ Curtain Wall Elevation at Floor Levels 3-6



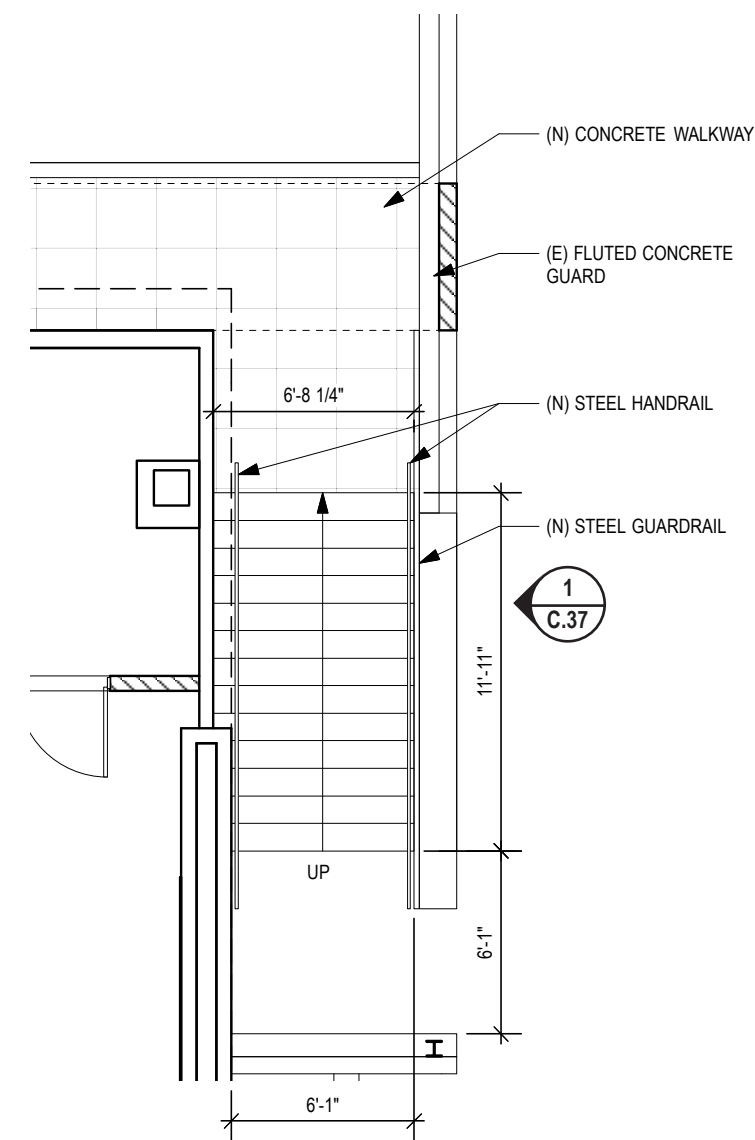
4. Typ Curtain Wall Plan at Floor Levels 3-6



1. Enlarged Elevation at West Exterior Stair



2. Section at West Exterior Stair



3. Enlarged Plan at West Exterior Stair



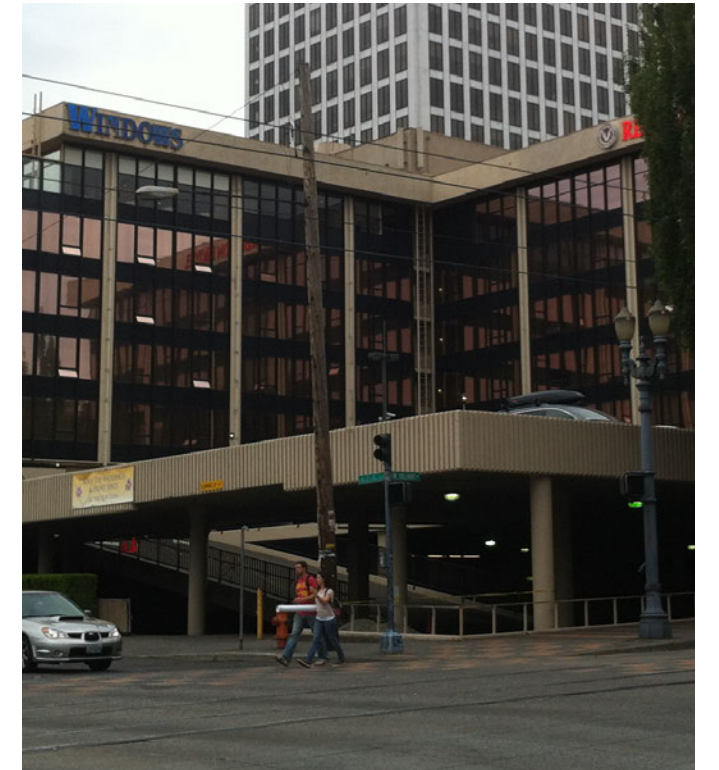
Perspective of South-West Corner of Lot



Parking Screen at NE Holladay St



South-West Corner of Parking Screen



Existing Conditions

DESIGN REVIEW

06.27.2014

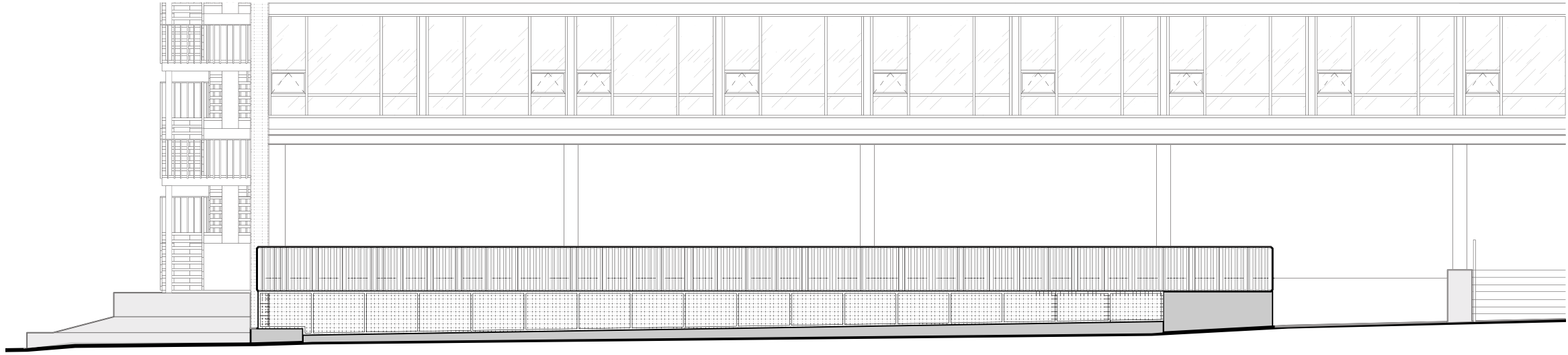
LU 14-144166 DZM

Title:

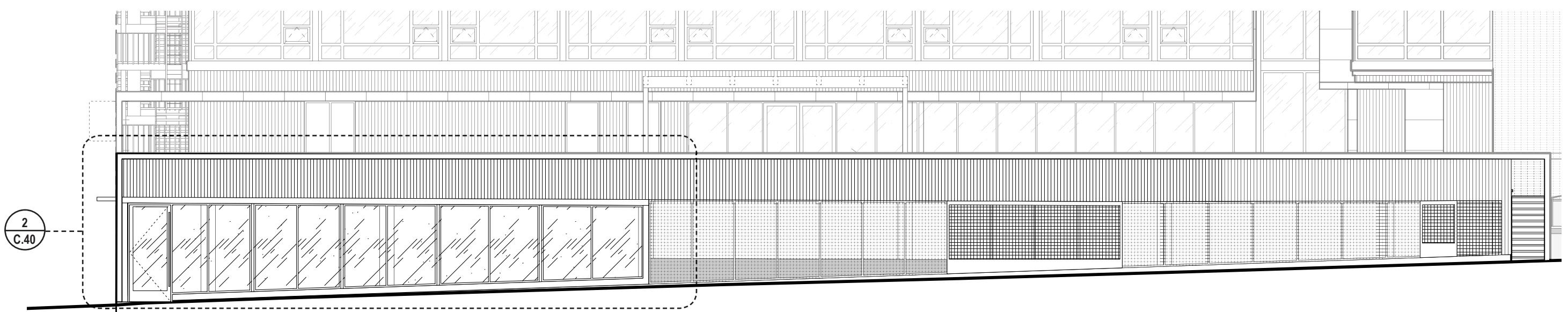
RENDERINGS

Sheet:

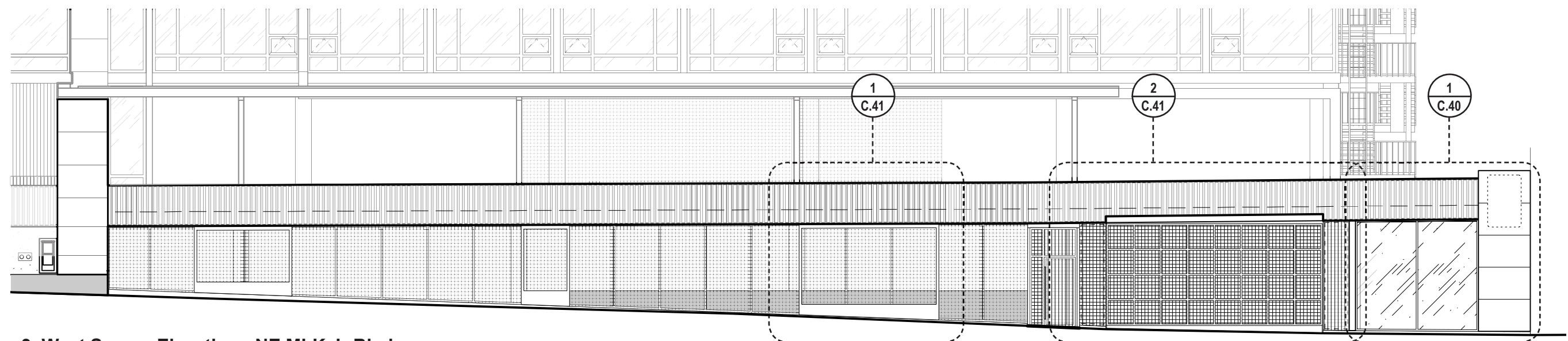
C.38



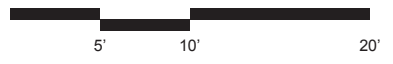
1. East Screen Elevation - NE Grand Avenue



2. South Screen Elevation - NE Holladay St



3. West Screen Elevation - NE MLK Jr Blvd



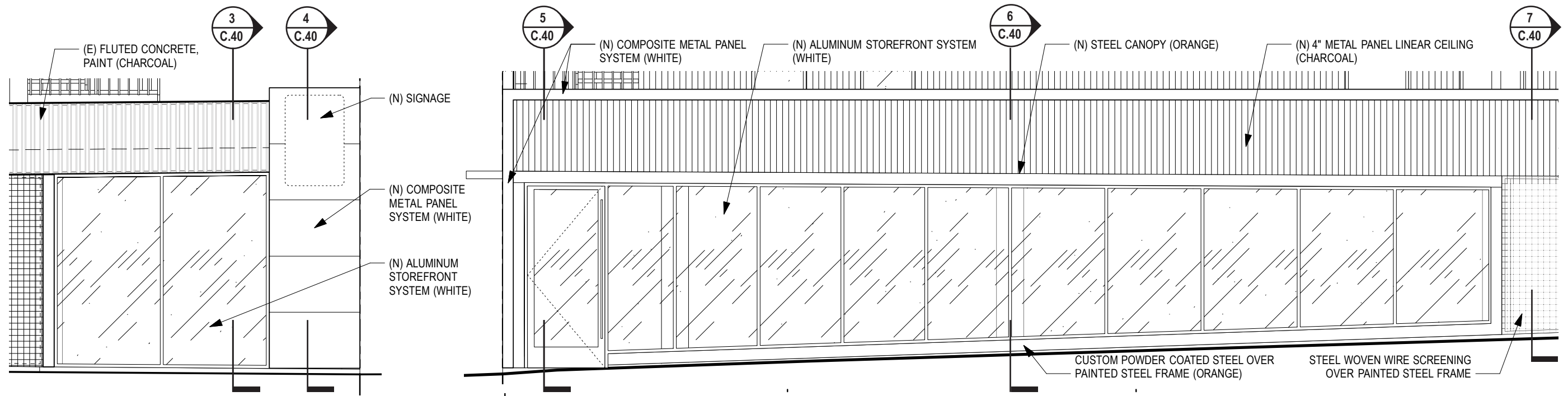
DESIGN REVIEW
06.27.2014

LU 14-144166 DZM

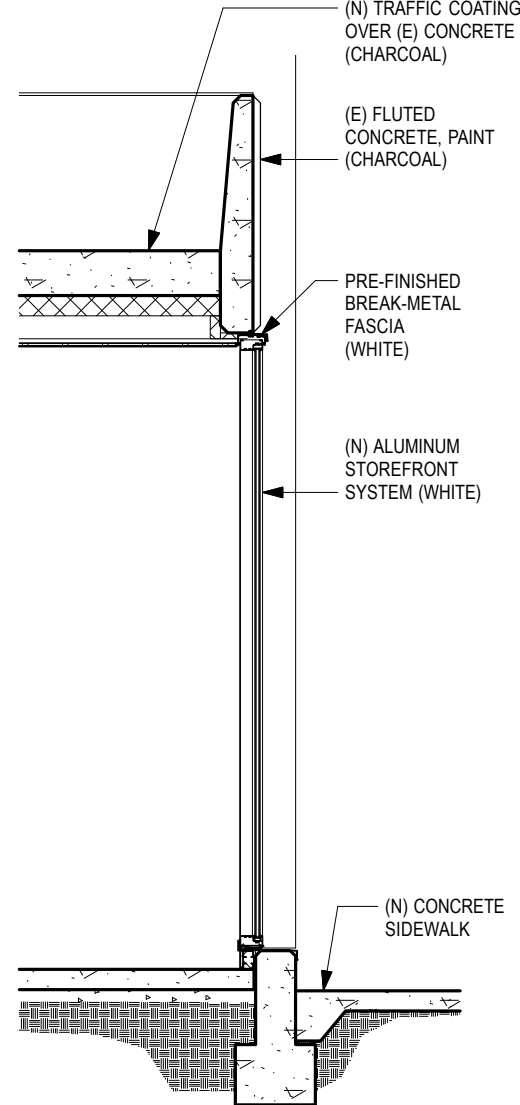
Title:
PARKING SCREEN ELEVATIONS

Sheet:

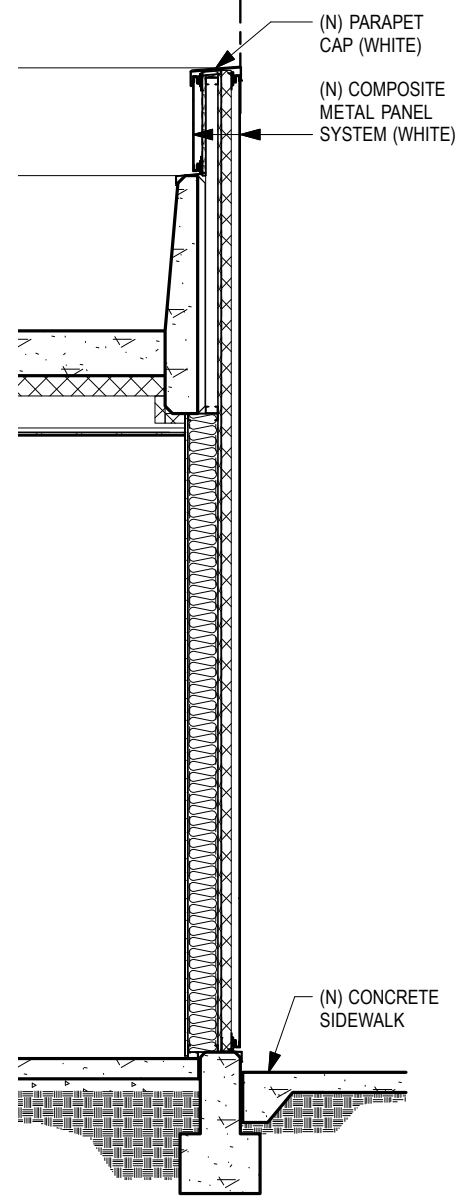
C.39



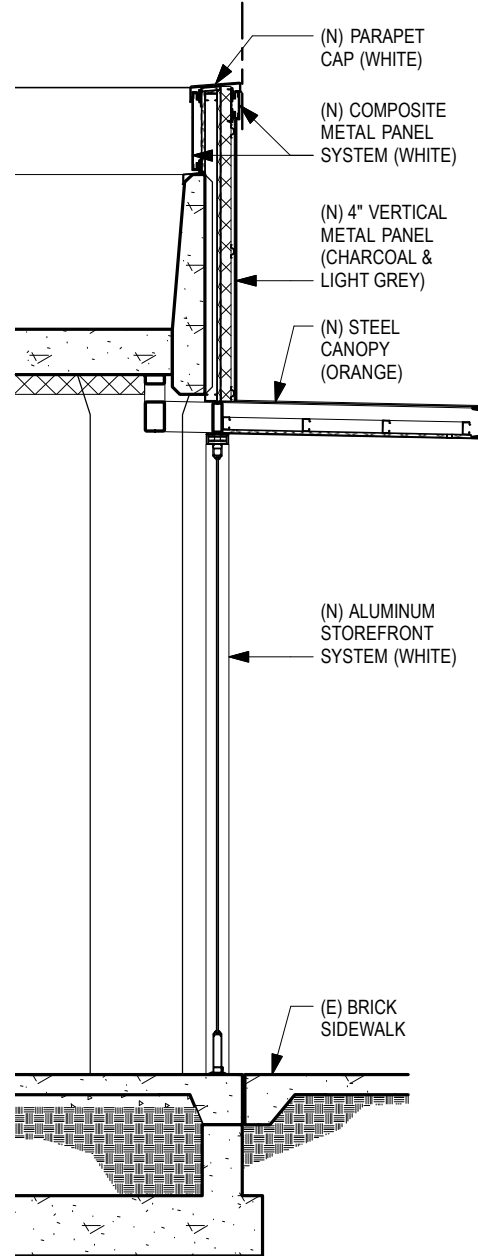
1. West Elevation of Retail



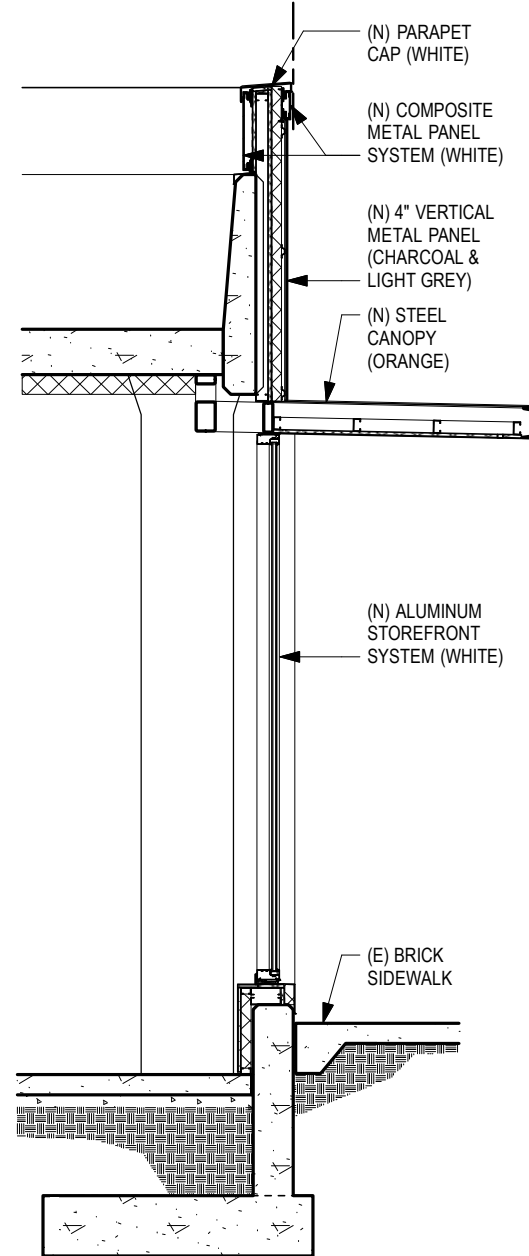
3. Wall Section at Storefront



4. Wall Section at Metal Panel

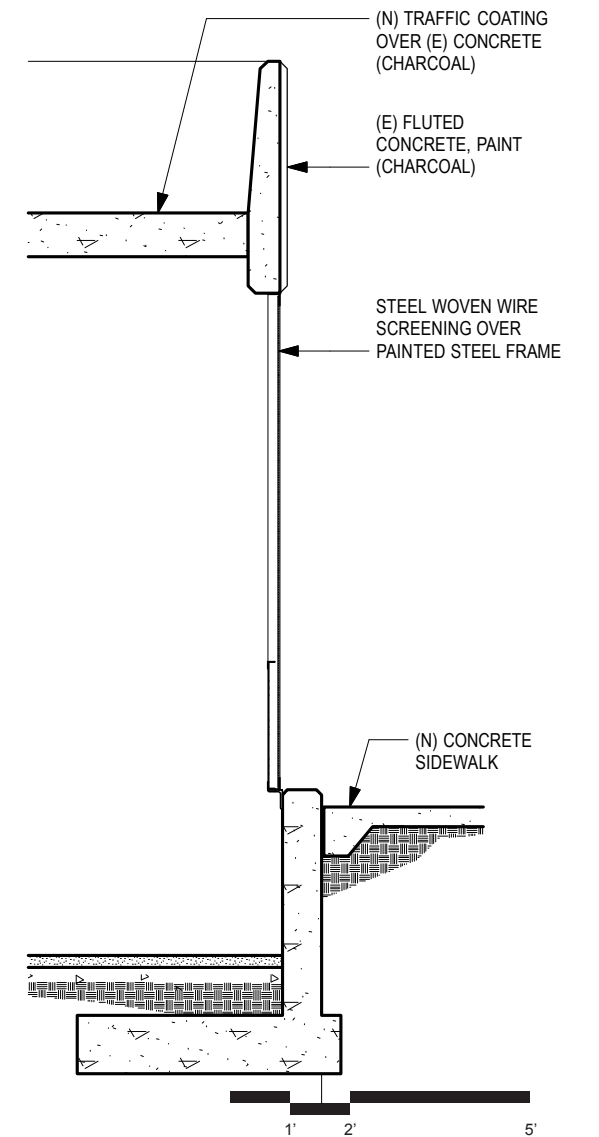


5. Wall Section at Retail Door



6. Wall Section at Retail Storefront

2. South Elevation of Retail



7. Wall Section at Parking Screen

DESIGN REVIEW

06.27.2014

LU 14-144166 DZM

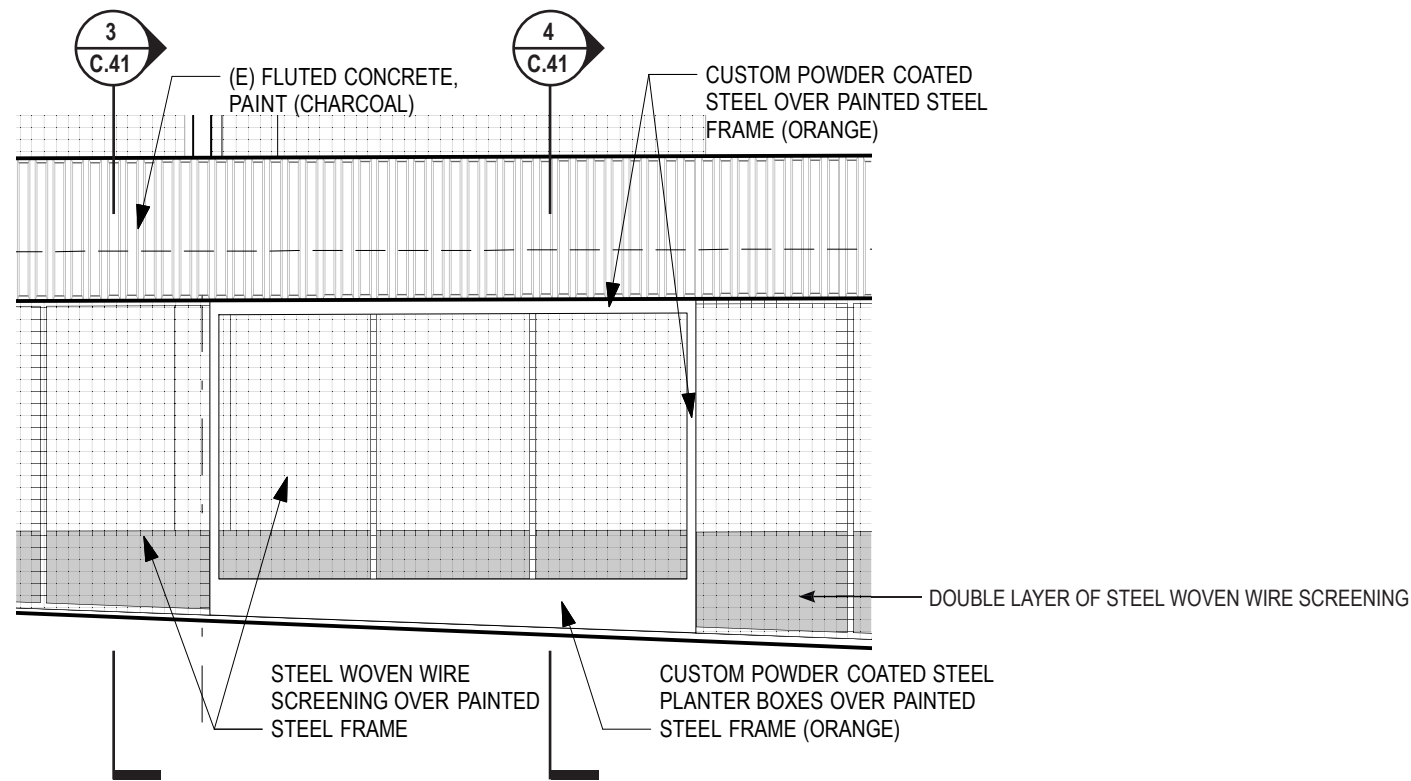
Title:

WALL SECTIONS

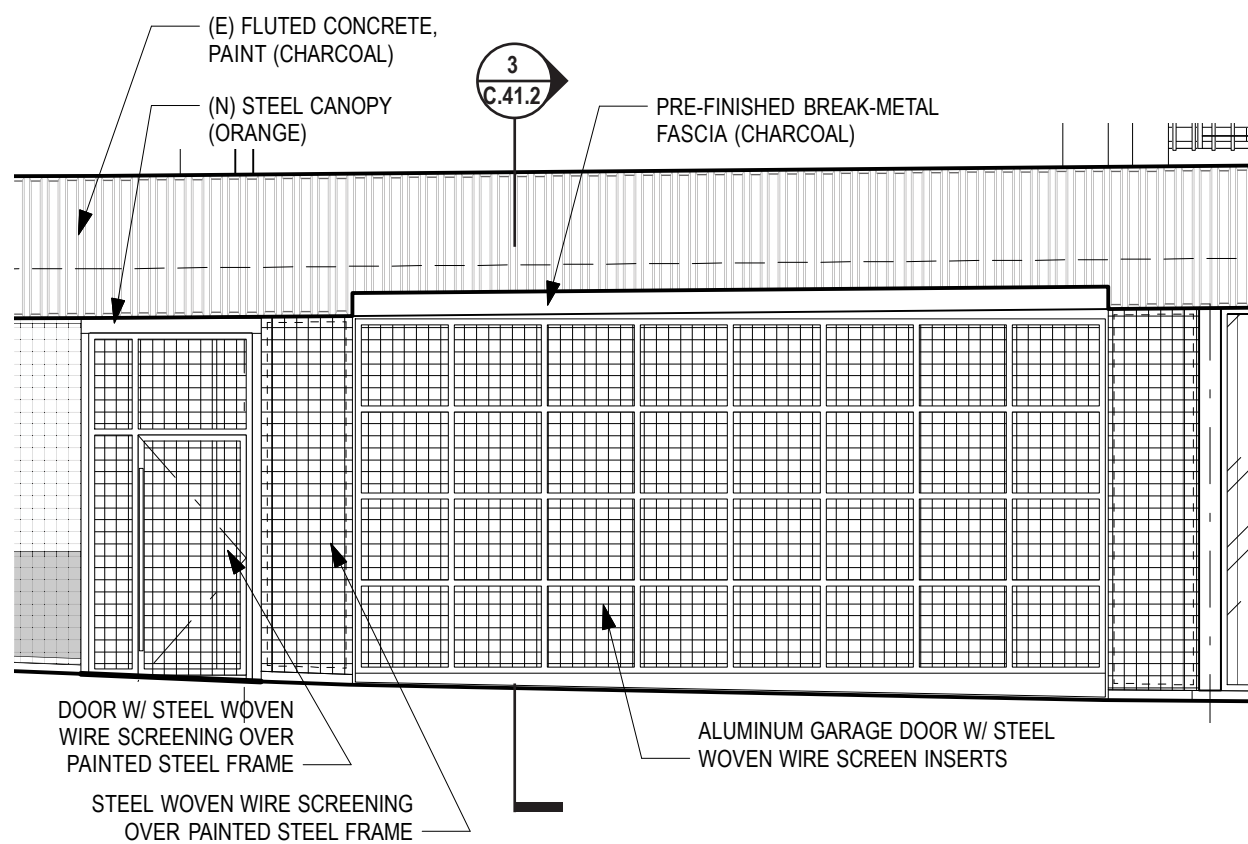
Sheet:

C.40

1' 2' 5'



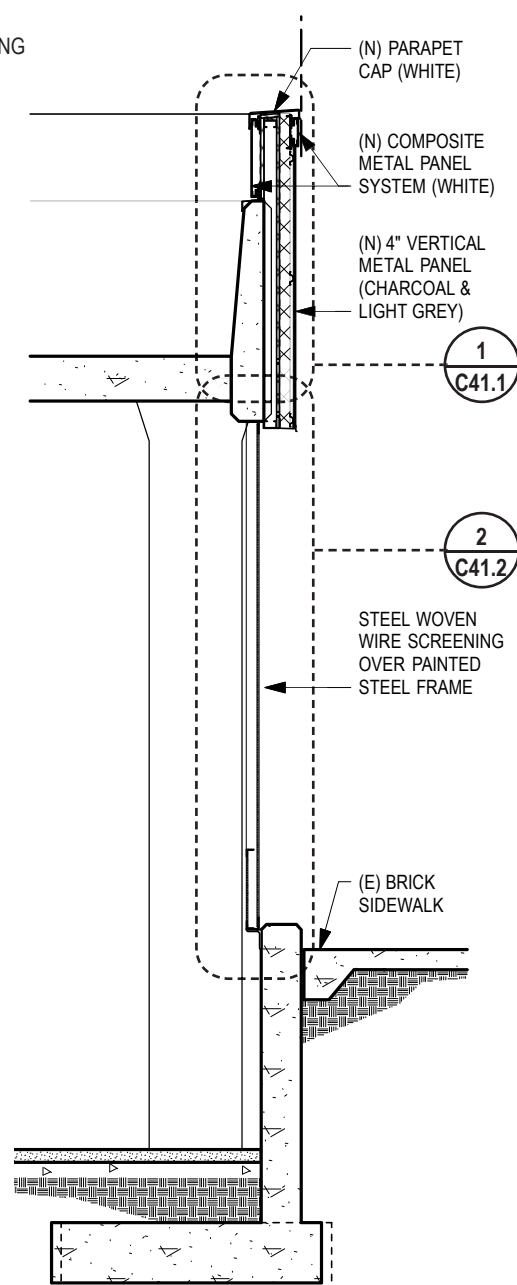
1. West Elevation Screen and Bench Detail



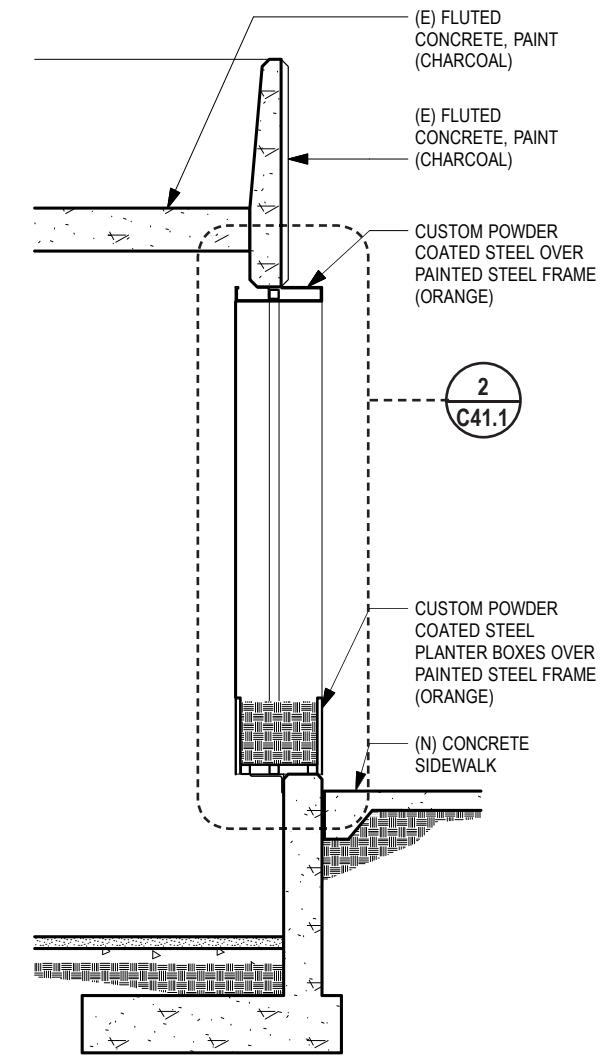
2. South Elevation at Garage and Pedestrian Door



Close-up Rendering of Screen



3. Parking Screen Section



4. Planter Section



DESIGN REVIEW

06.27.2014

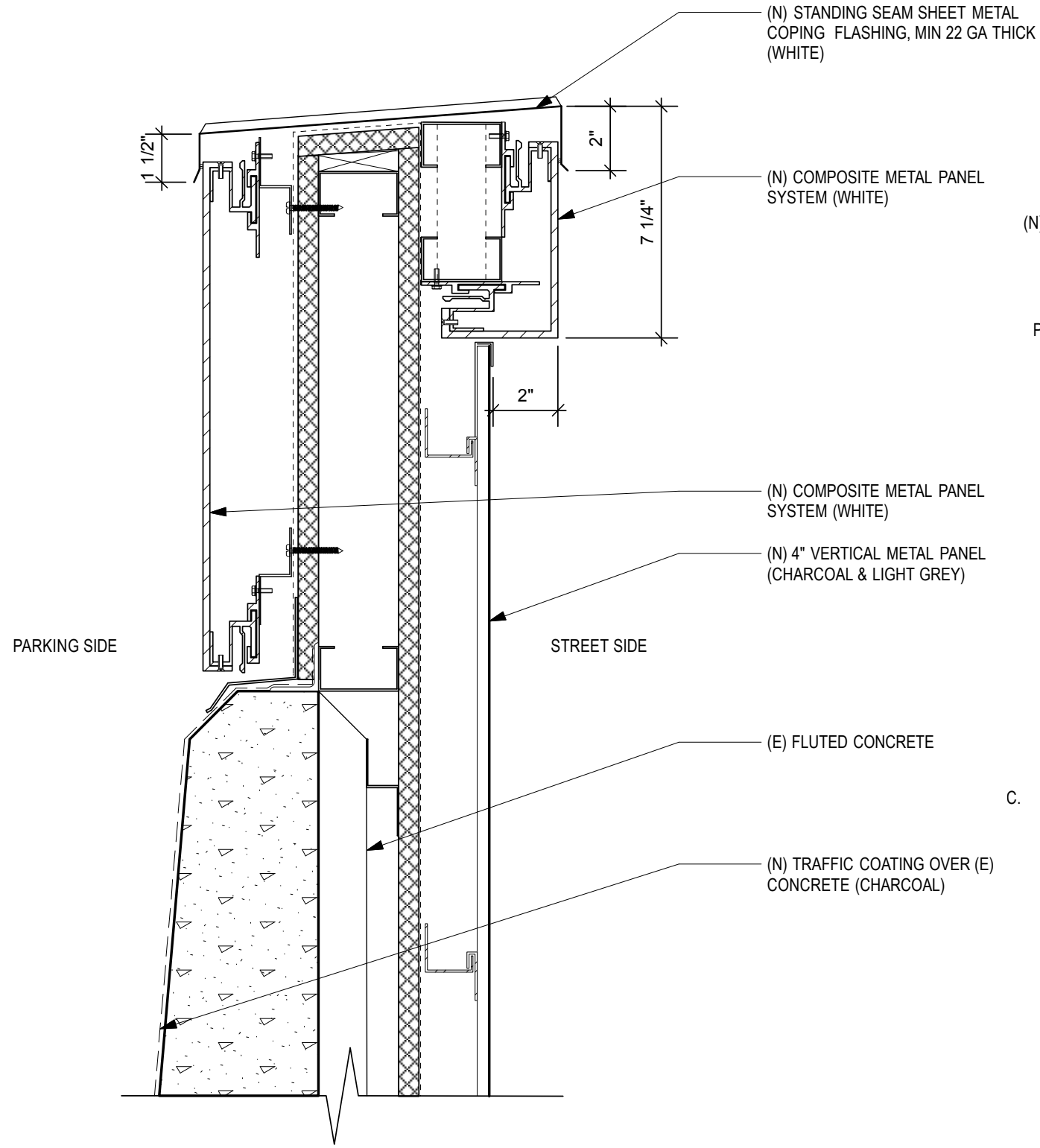
LU 14-144166 DZM

Title:

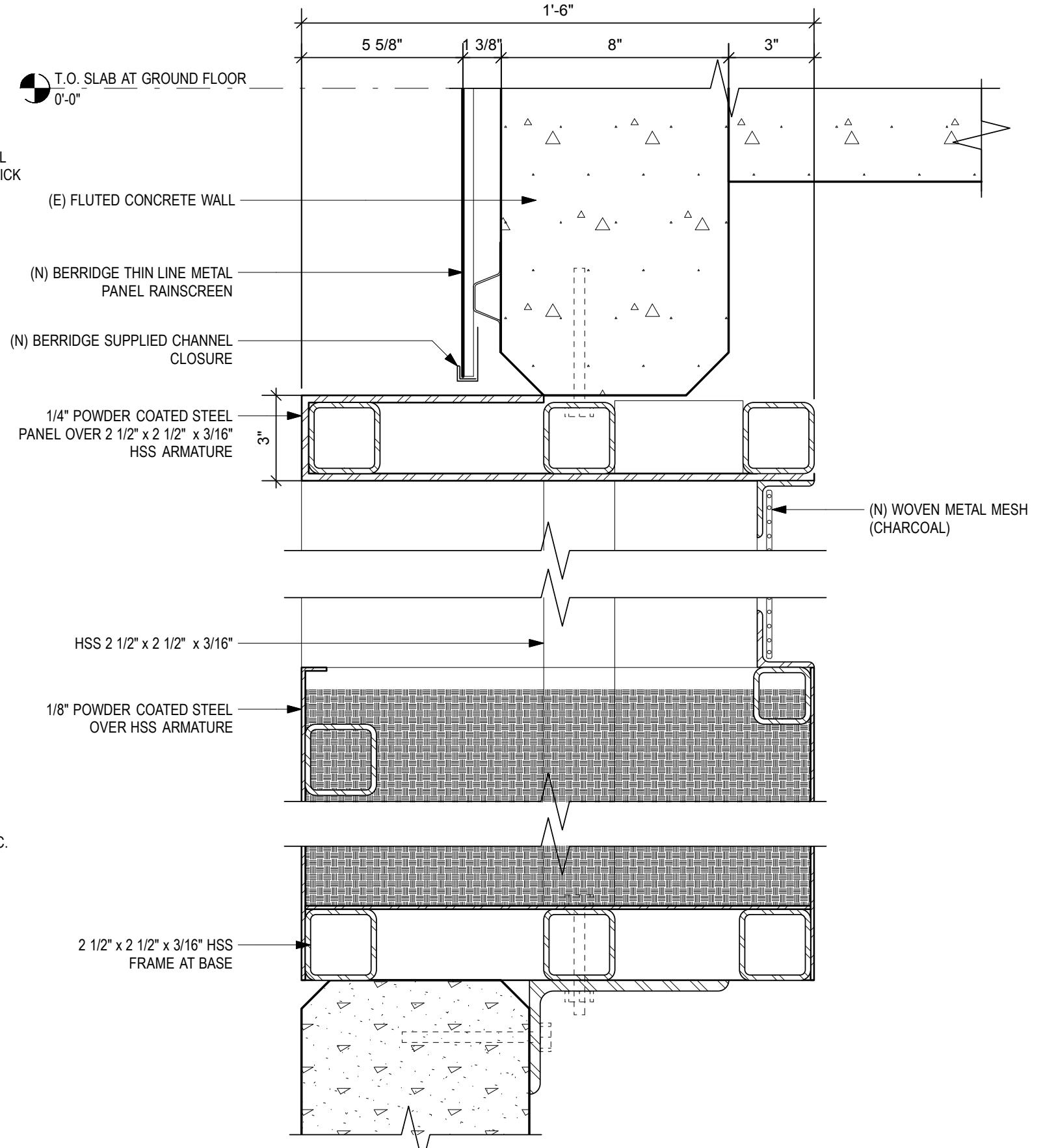
BUILDING DETAILS

Sheet:

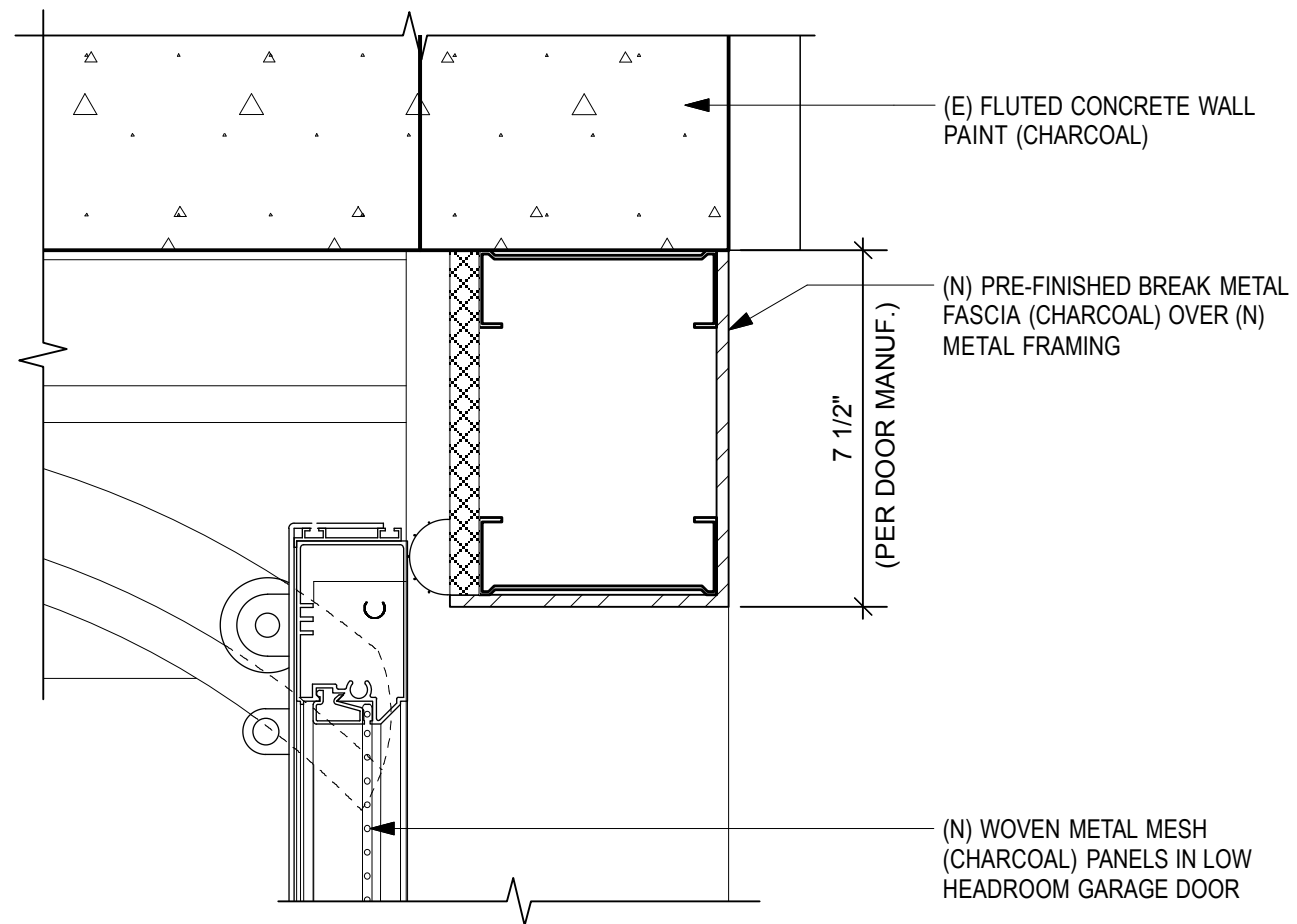
C.41.1



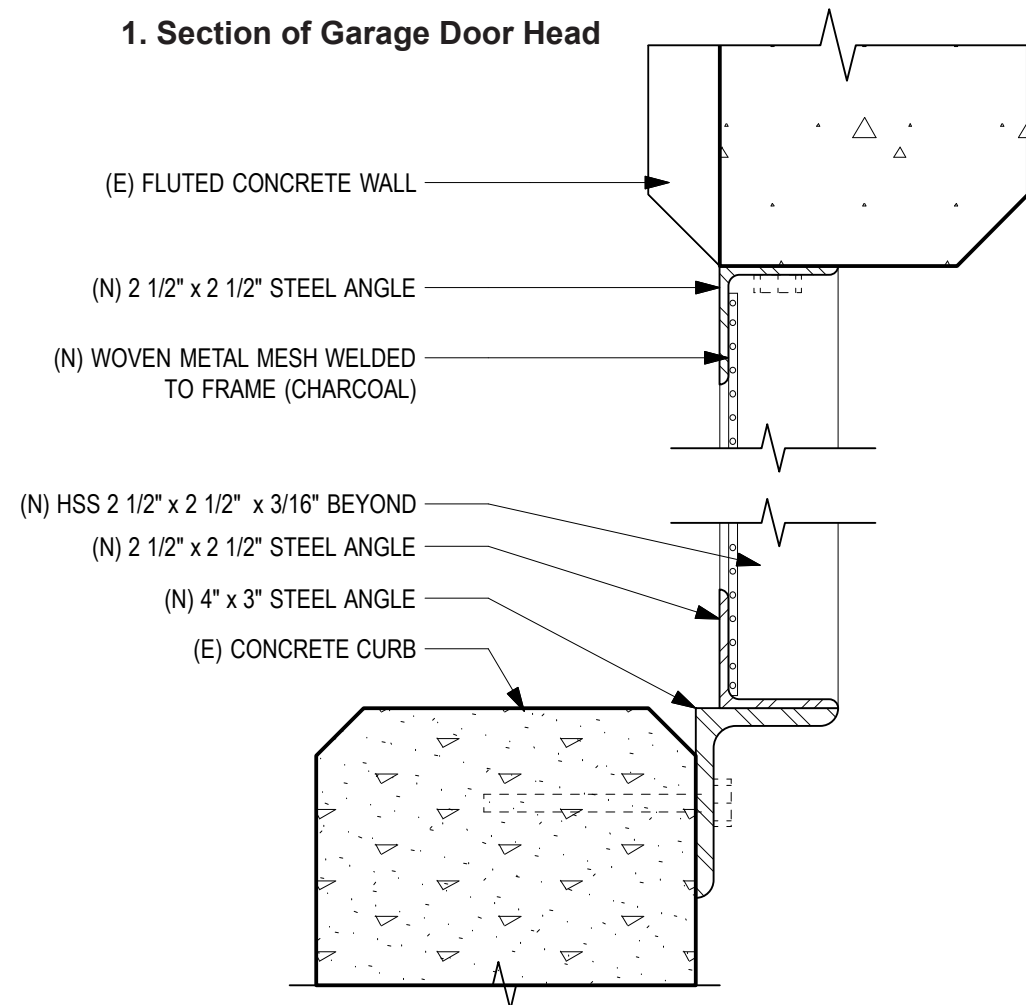
2. Outside Corner Connection of White Comp Panel Above Retail Space



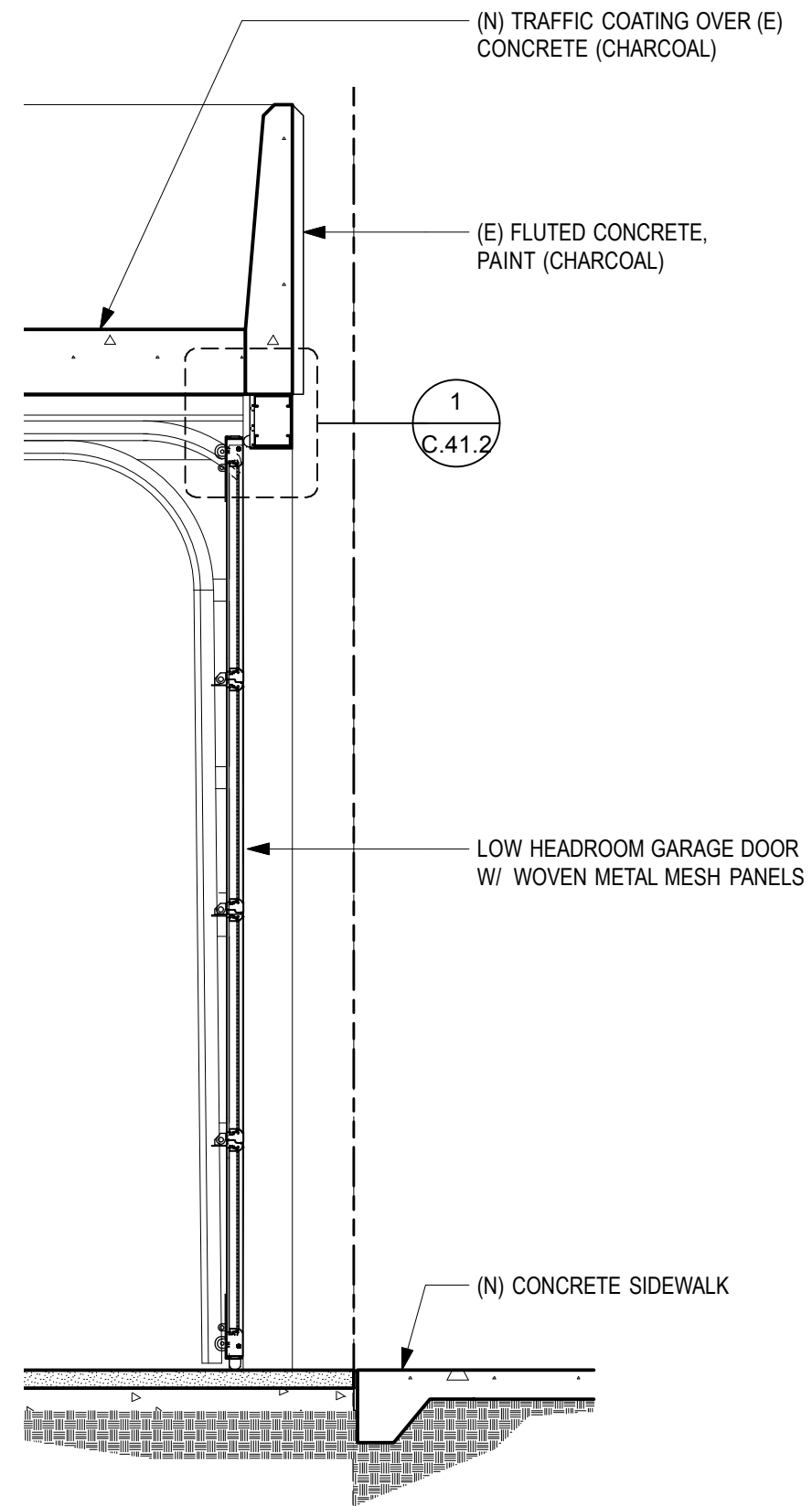
2. Section of Steel Planter Box and Metal Mesh



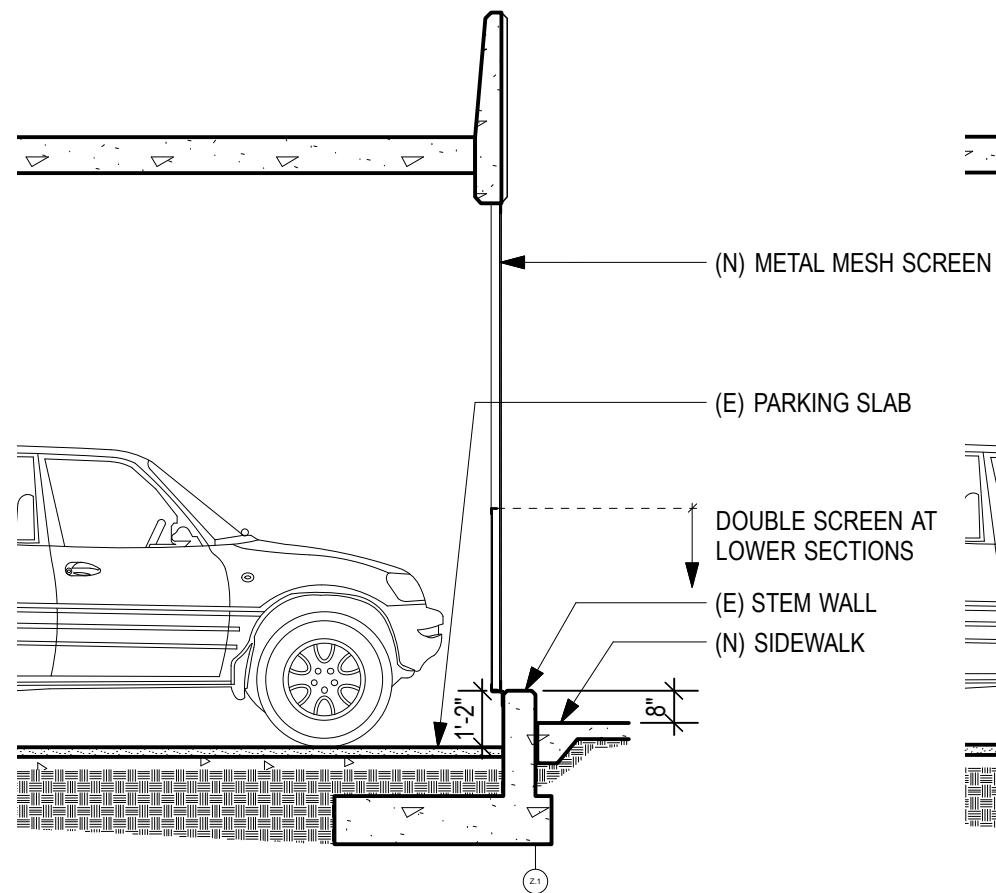
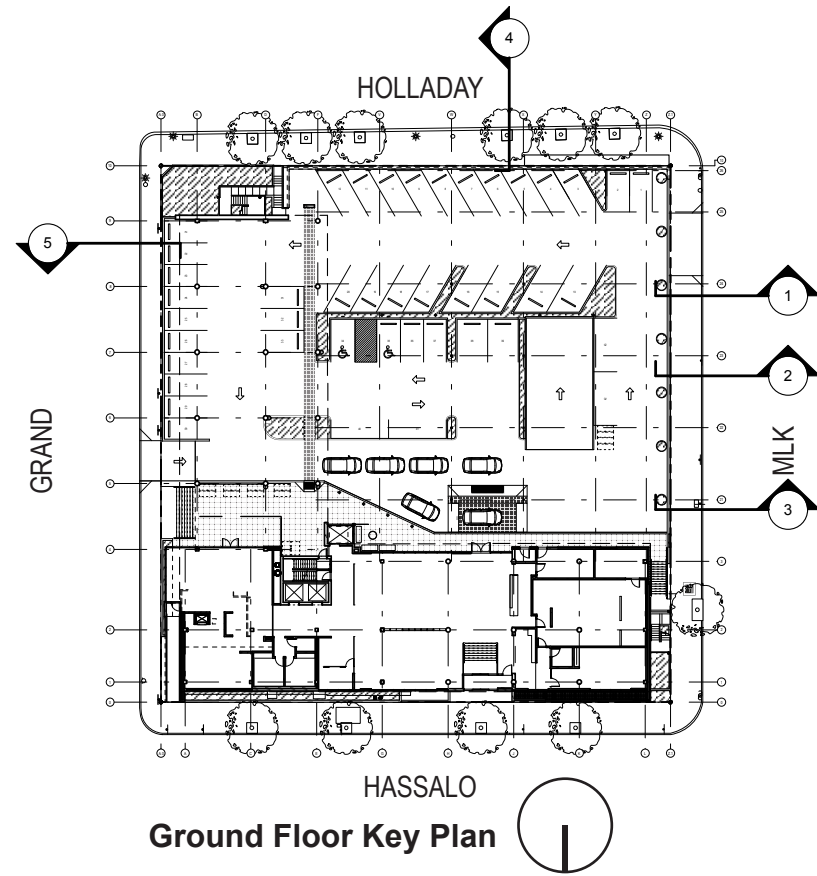
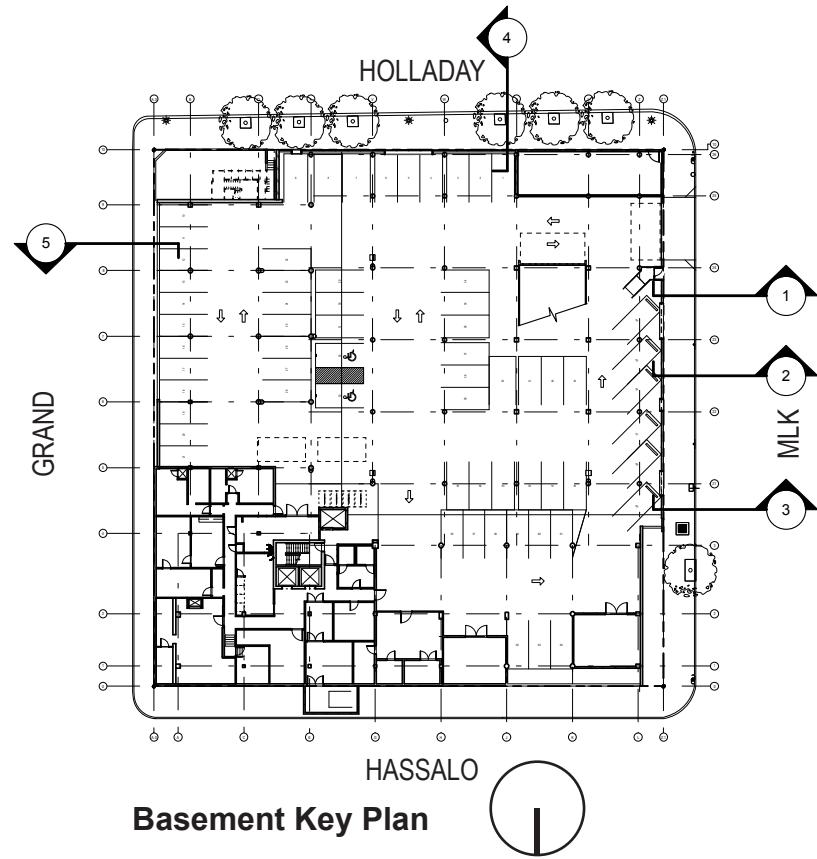
1. Section of Garage Door Head



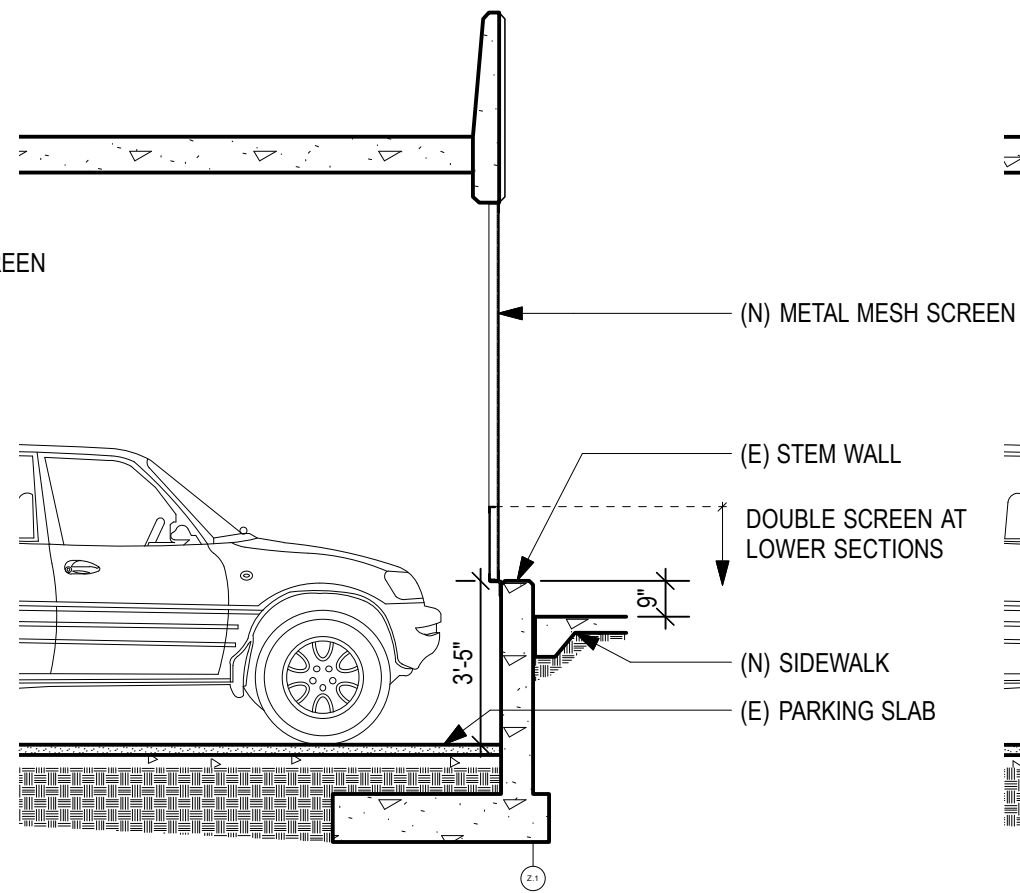
2. Typical Metal Mesh at Garage Screening



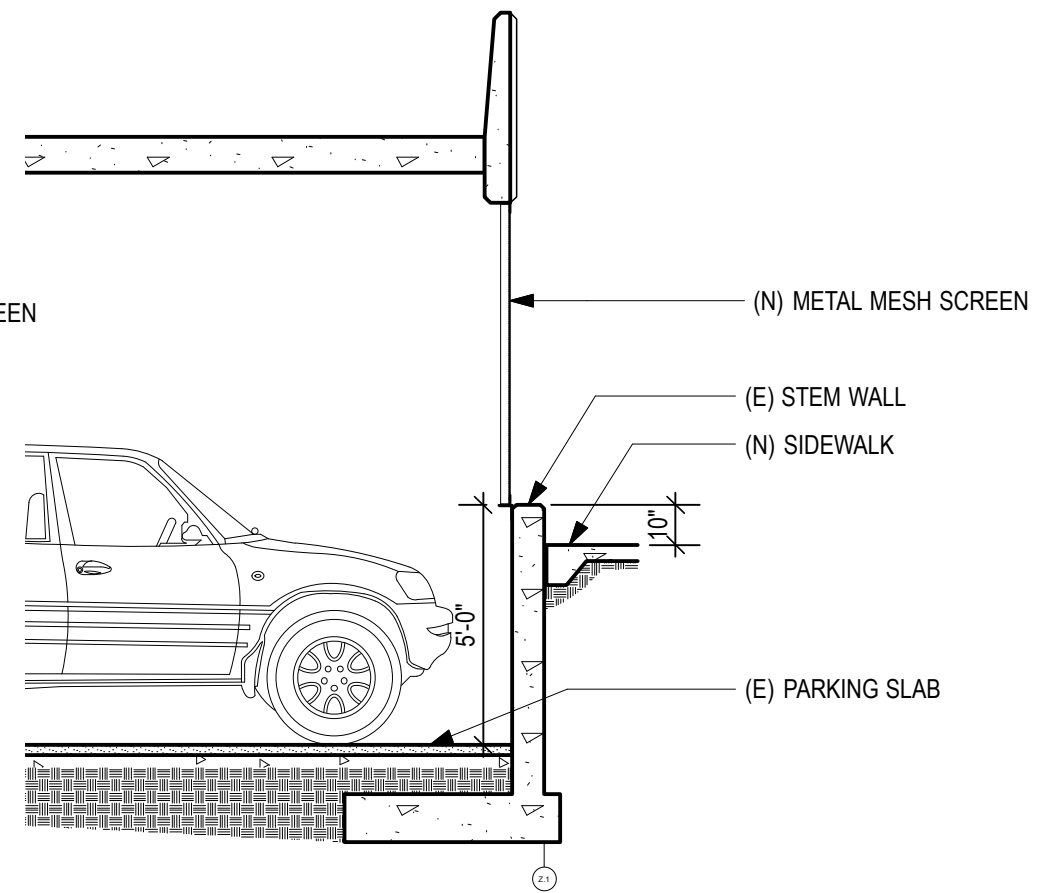
3. Garage Door Detail



1. Screen Section at MLK - norther parking portion



2. Screen Section at MLK



3. Screen Section at MLK - southern parking portion

DESIGN REVIEW

06.27.2014

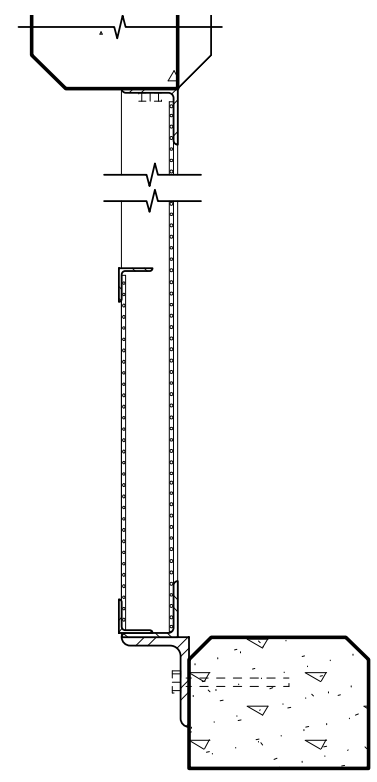
LU 14-144166 DZM

Title:

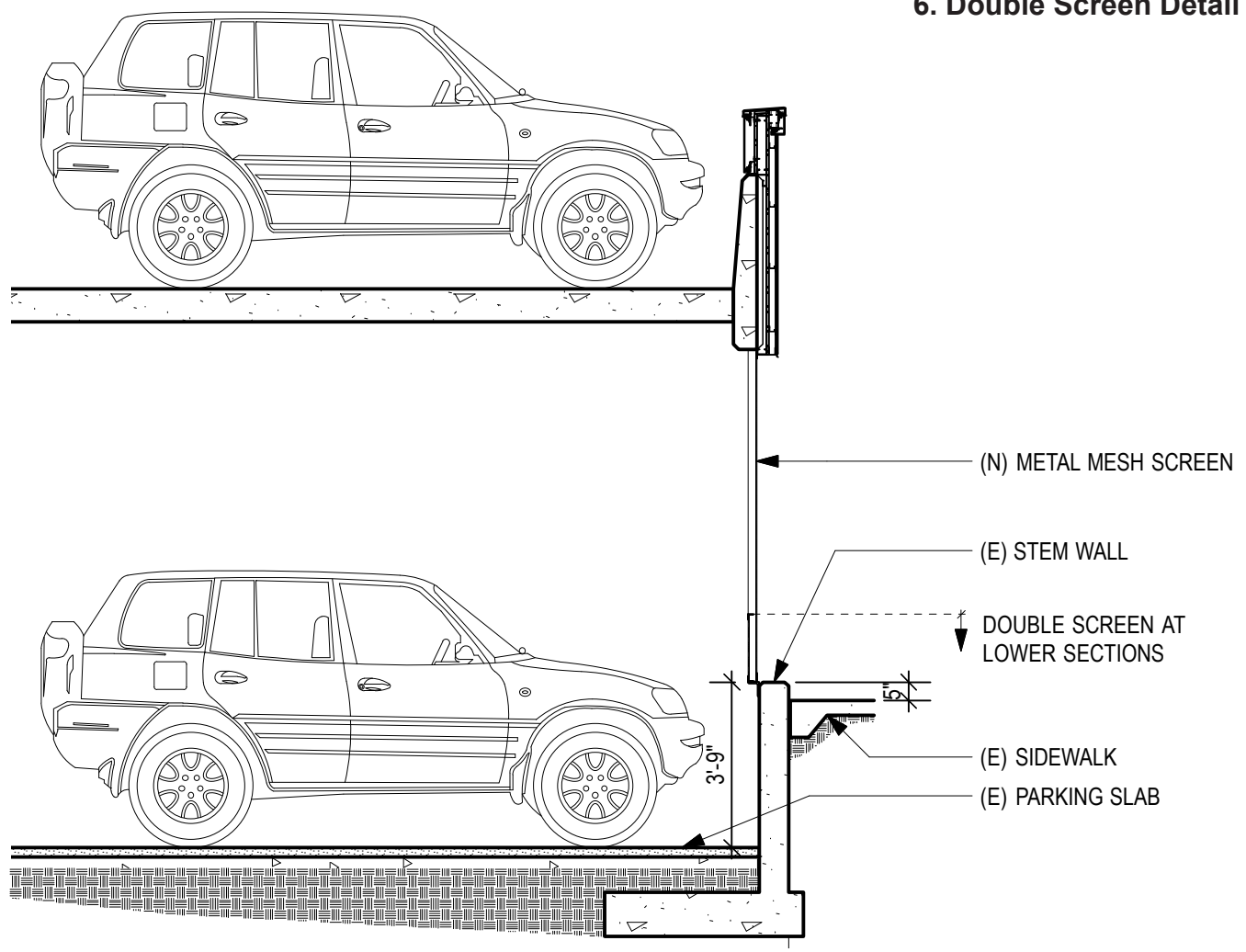
BUILDING DETAILS

Sheet:

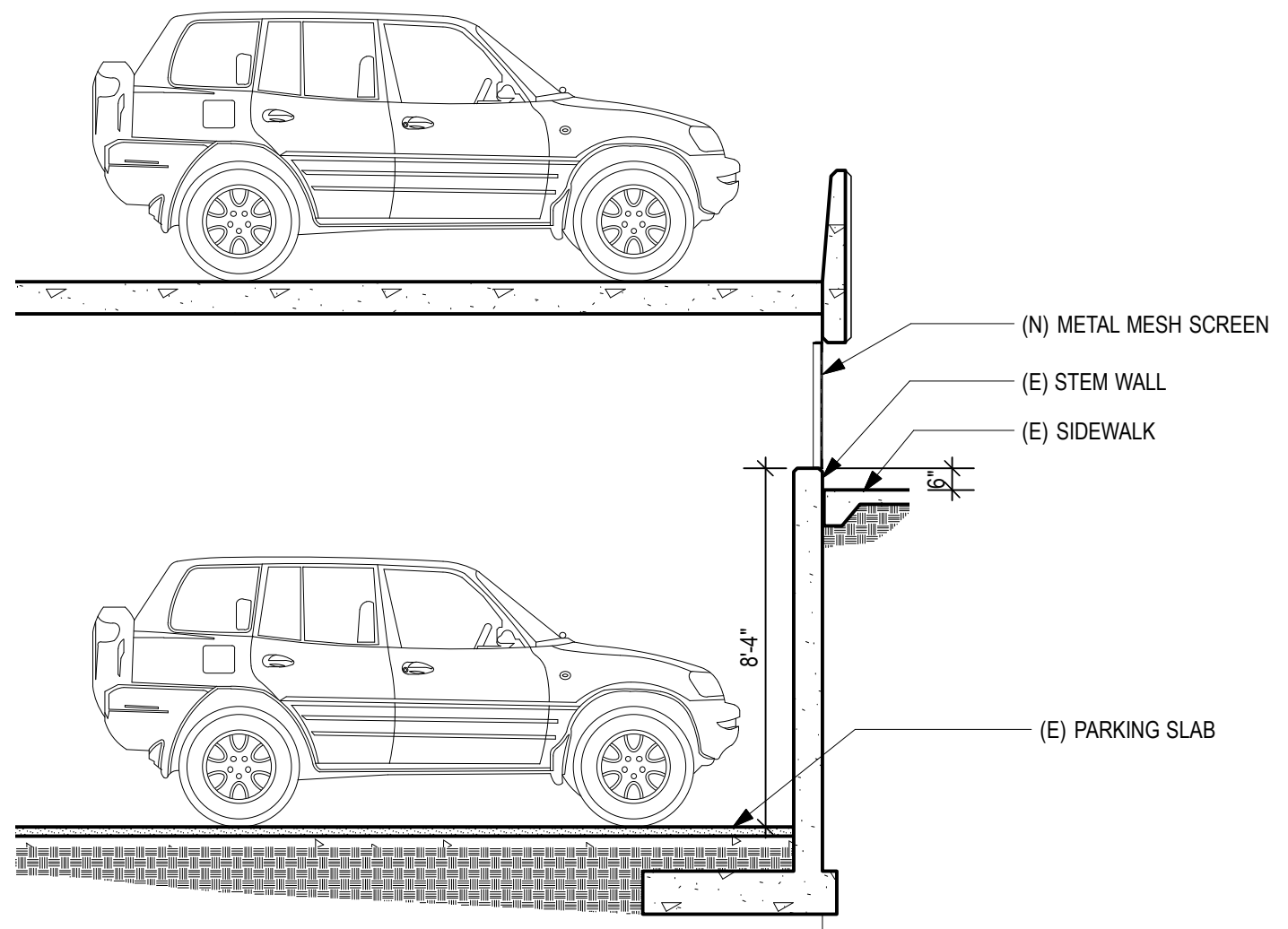
C.41.3



6. Double Screen Detail



4. Screen Section at NE Holladay



5. Screen Section at NE Grand

DESIGN REVIEW
06.27.2014

LU 14-144166 DZM

Title:
BUILDING DETAILS

Sheet:

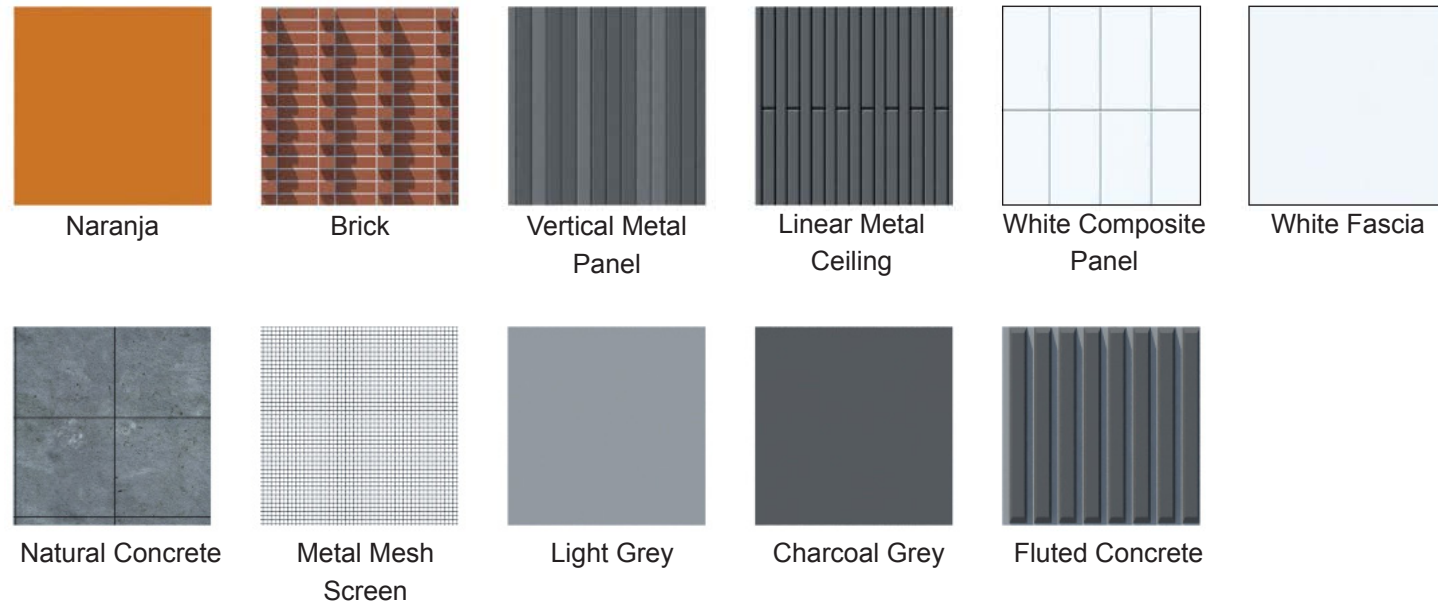
C.41.4



Pedestrian Entry at NE Grand Ave



Pedestrian Walkway off of NE Grand Ave to Lobby Entry



Existing Conditions

DESIGN REVIEW

06.27.2014

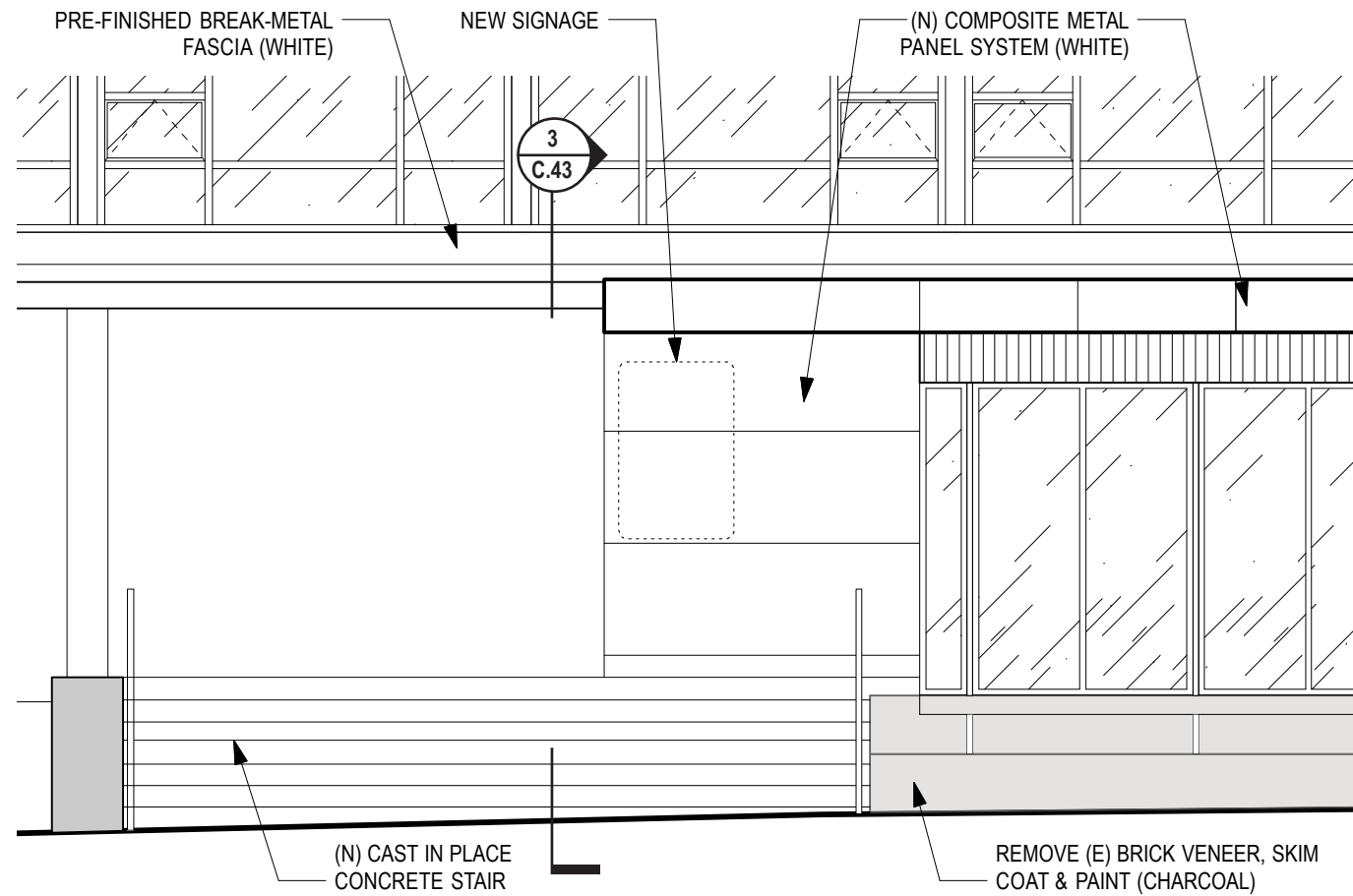
LU 14-144166 DZM

Title:

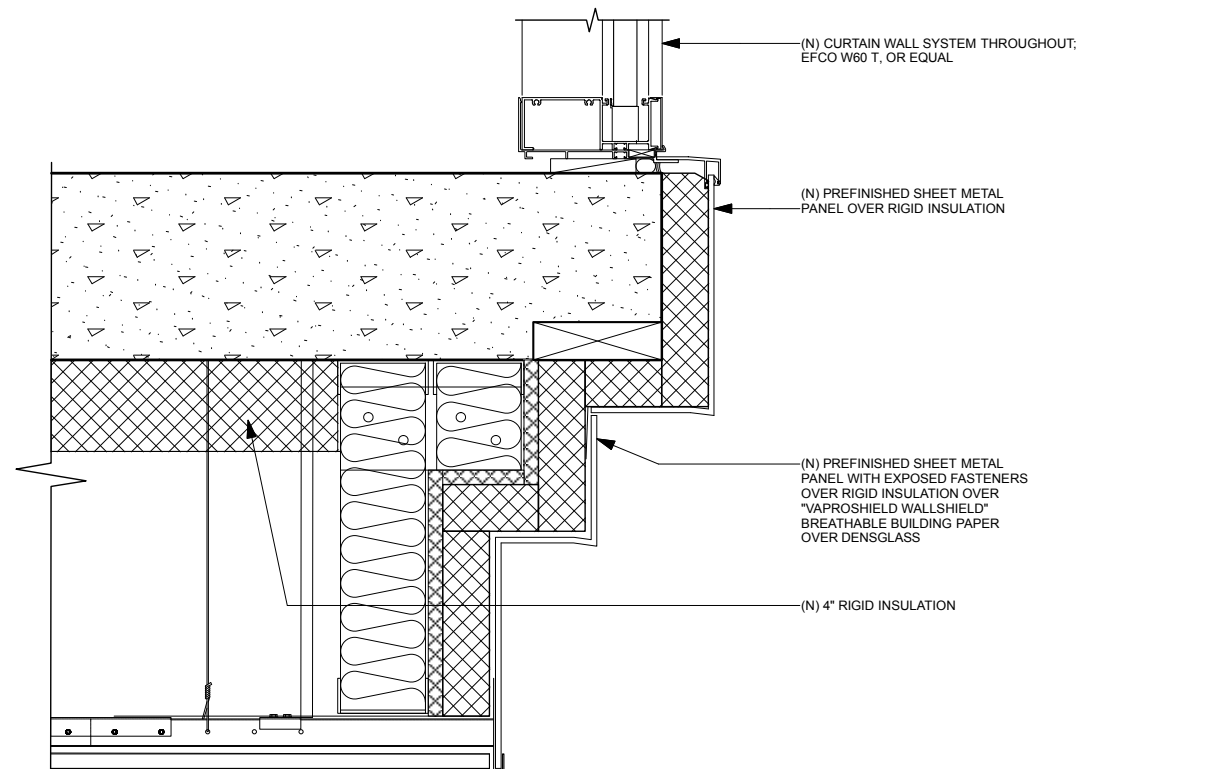
RENDERINGS

Sheet:

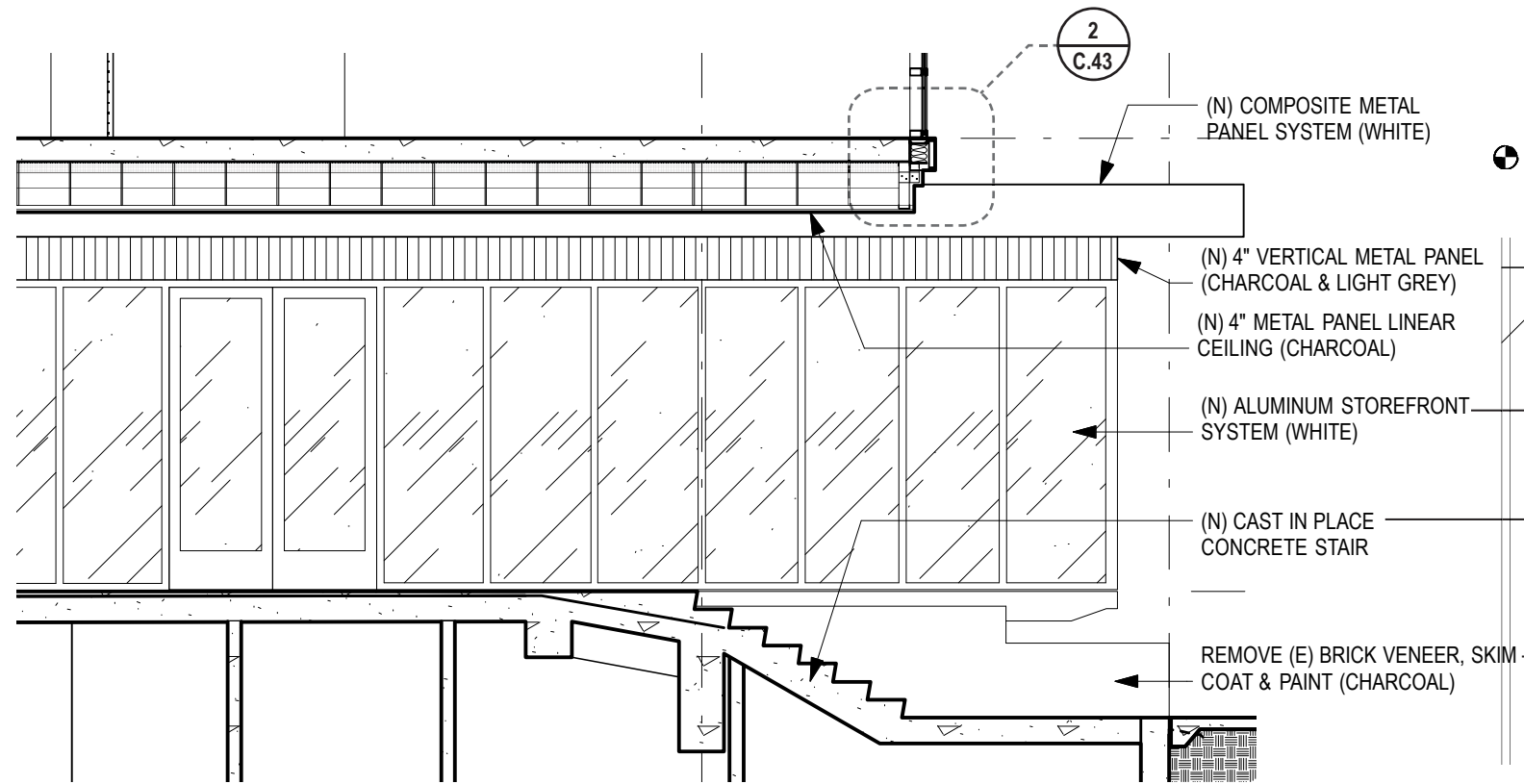
C.42



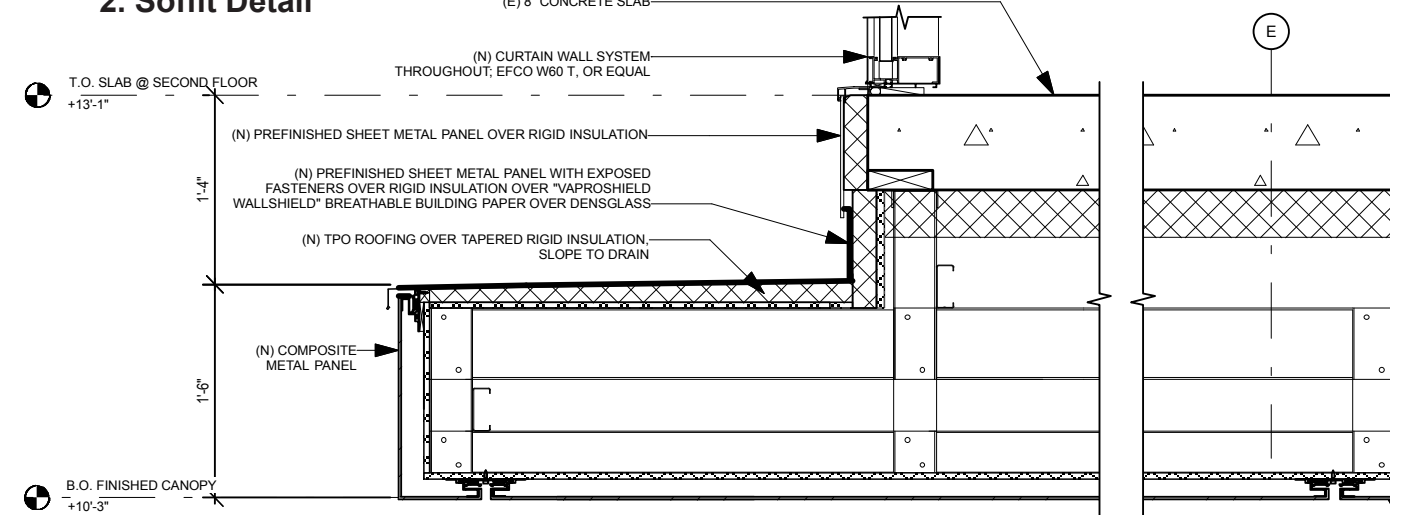
1. Enlarged Elevation at Grand Ave. Pedestrian Stair



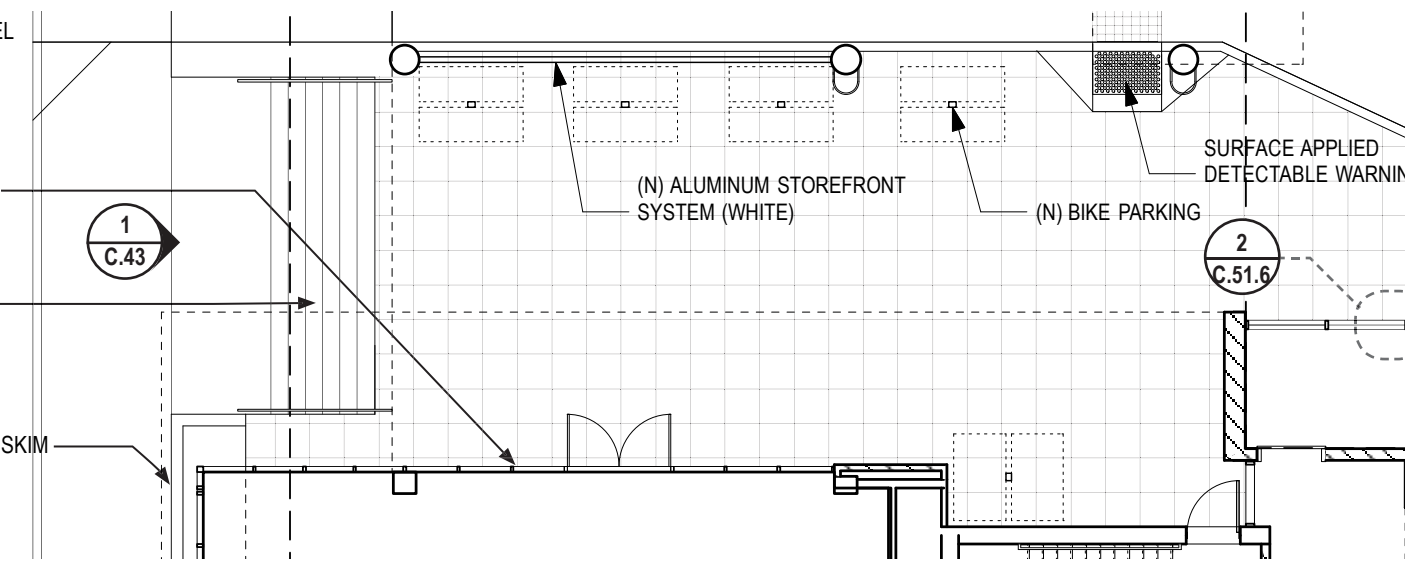
2. Soffit Detail



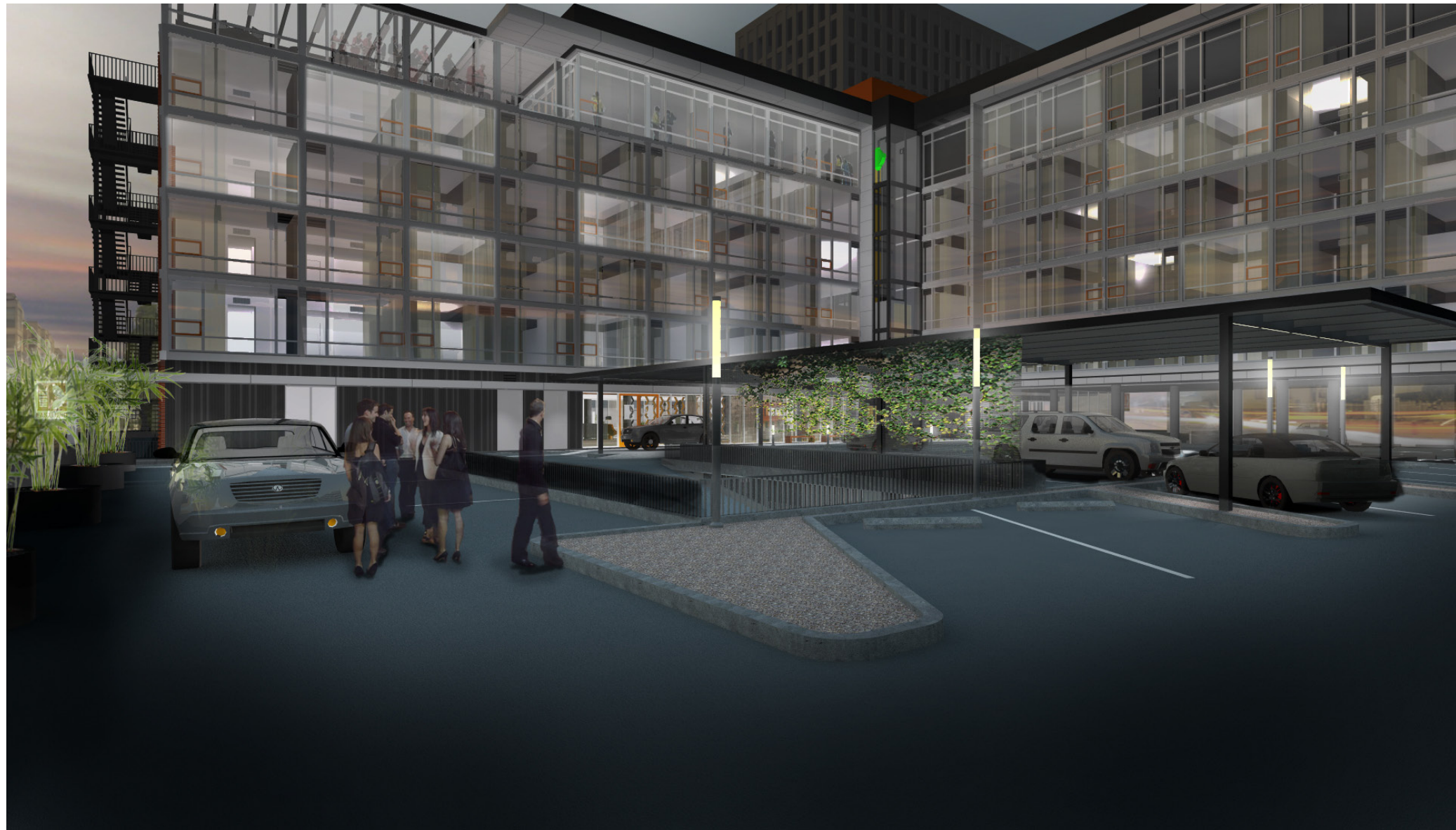
3. Section Through New Pedestrian Stair



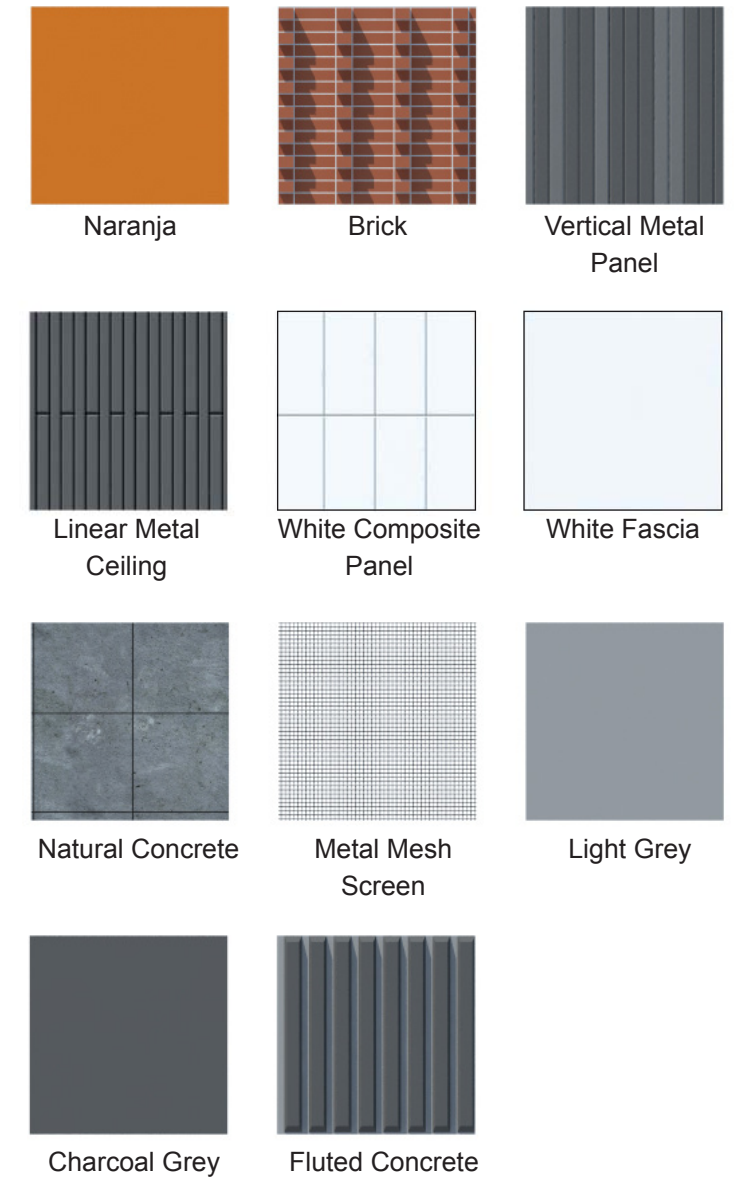
4. Ceiling Detail



5. Enlarged Plan at East Parking and Pedestrian Entry



Perspective of Lobby Entry at SW Corner of Parking Deck



Perspective of Lobby Entry at Parking Deck



Walkway at Parking from Holladay to Valet Entry



Existing Conditions

DESIGN REVIEW

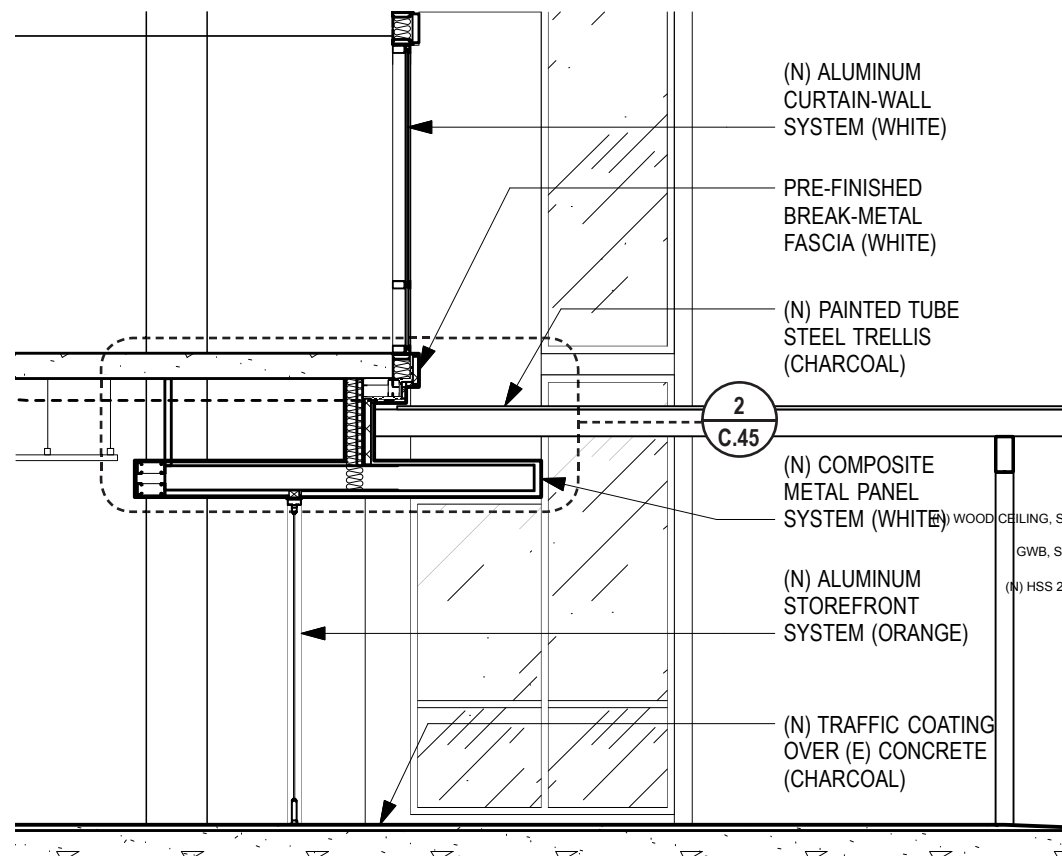
06.27.2014

LU 14-144166 DZM

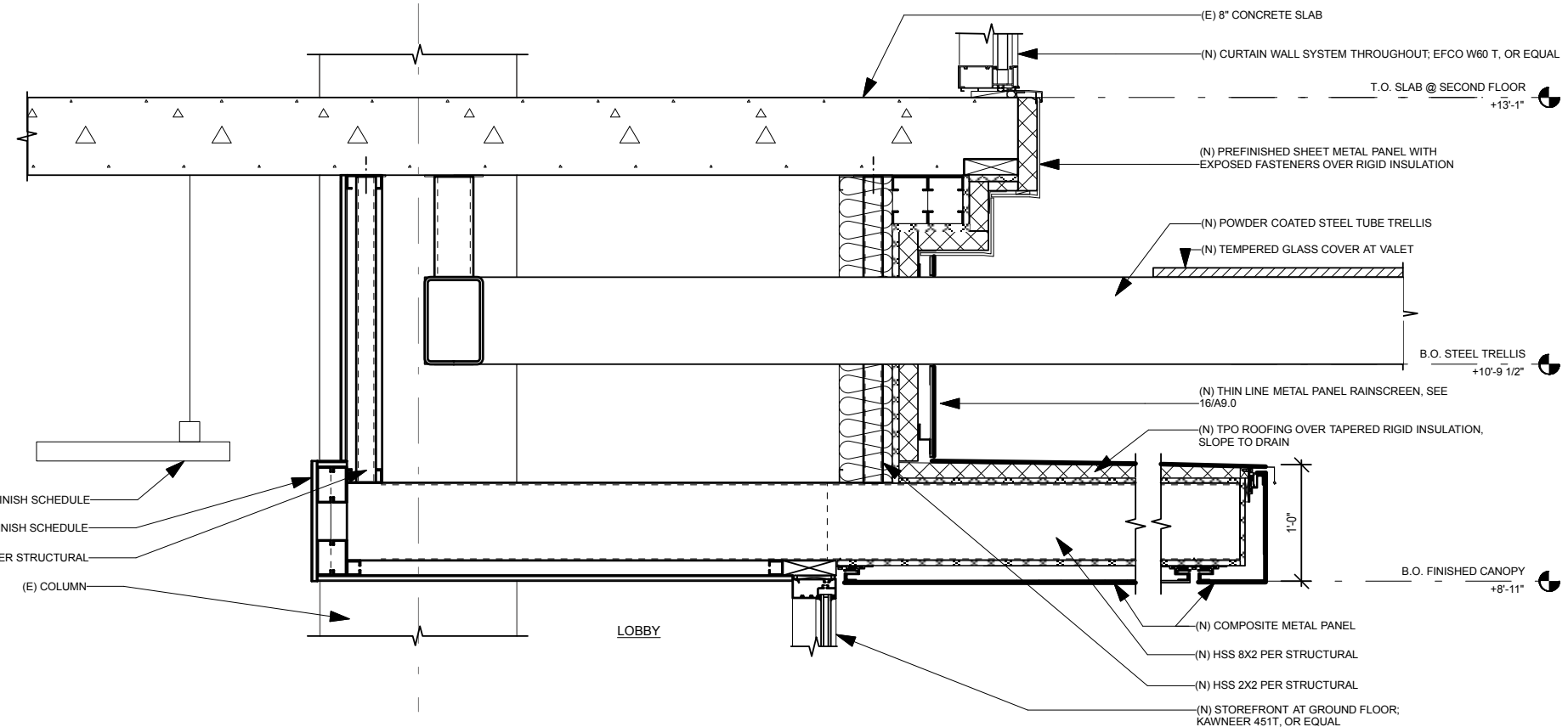
Title:
RENDERING

Sheet:

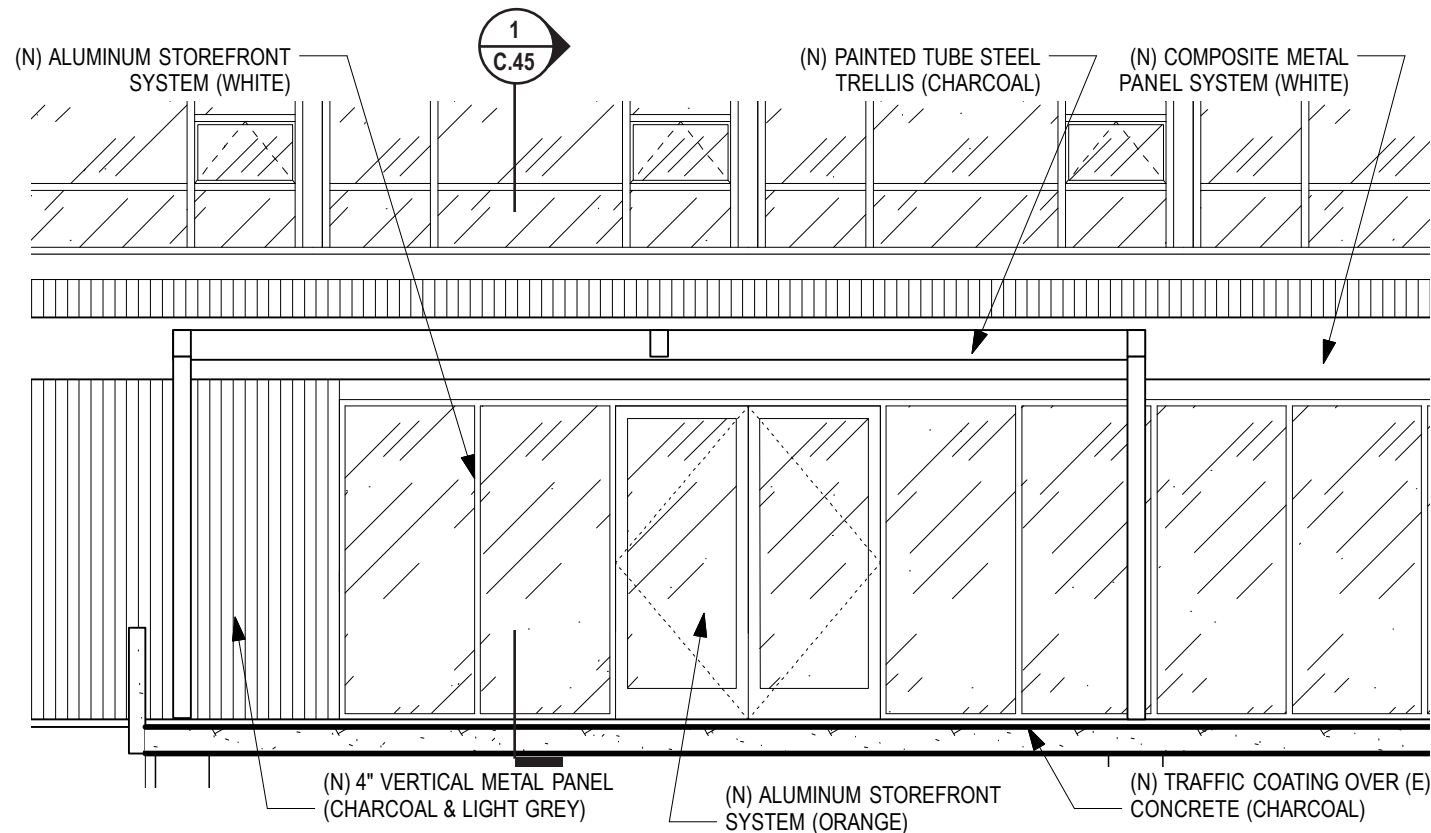
C.44



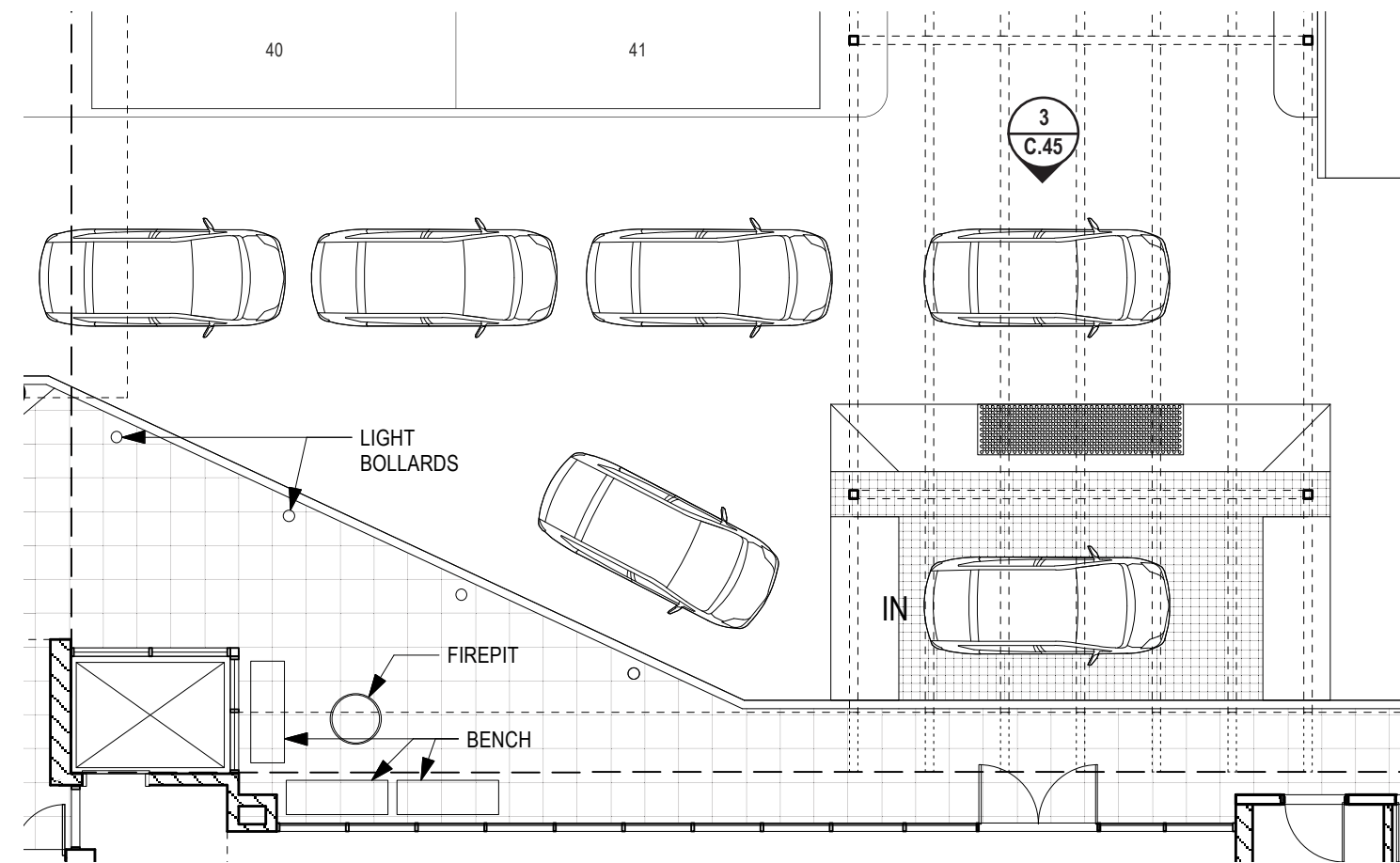
1. Section at Valet Lobby Entry



2. Detail at Canopy and Trellis Connection above Valet Lobby Entry



3. Elevation at Valet Lobby Entry



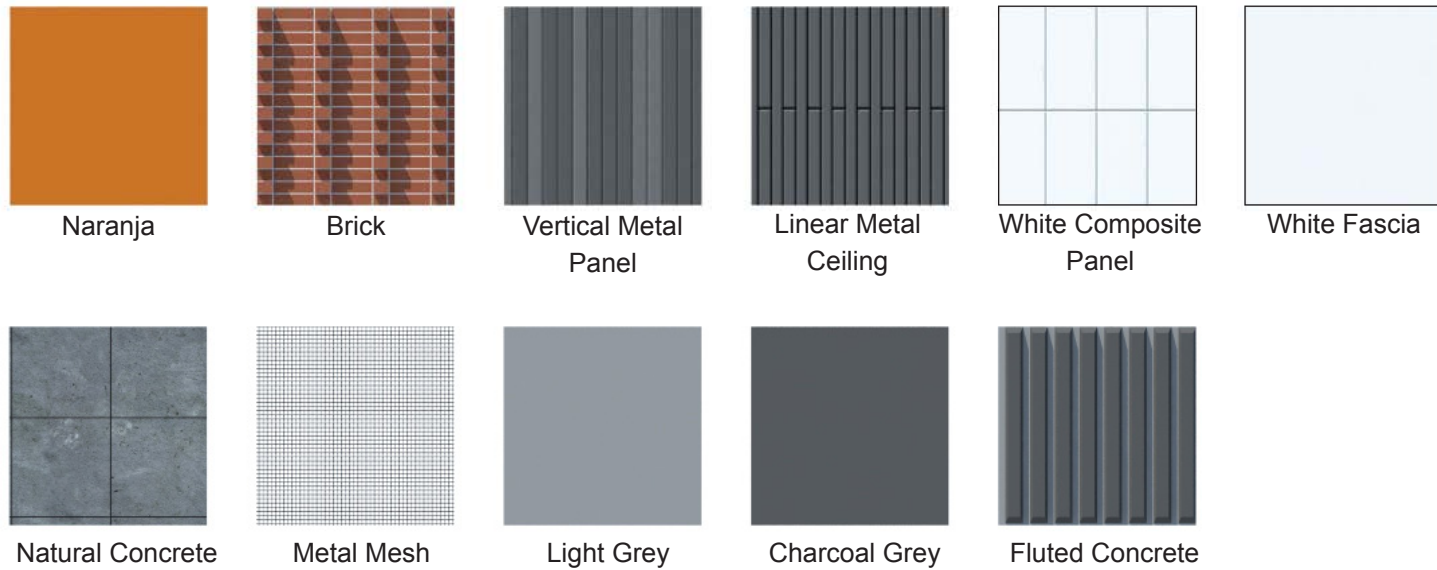
4. Enlarged Plan at Valet Lobby Entry



Pedestrian Entry into Lobby at NE Hassalo St



Pedestrian Entry into Lobby at NE Hassalo St



Existing Conditions

DESIGN REVIEW

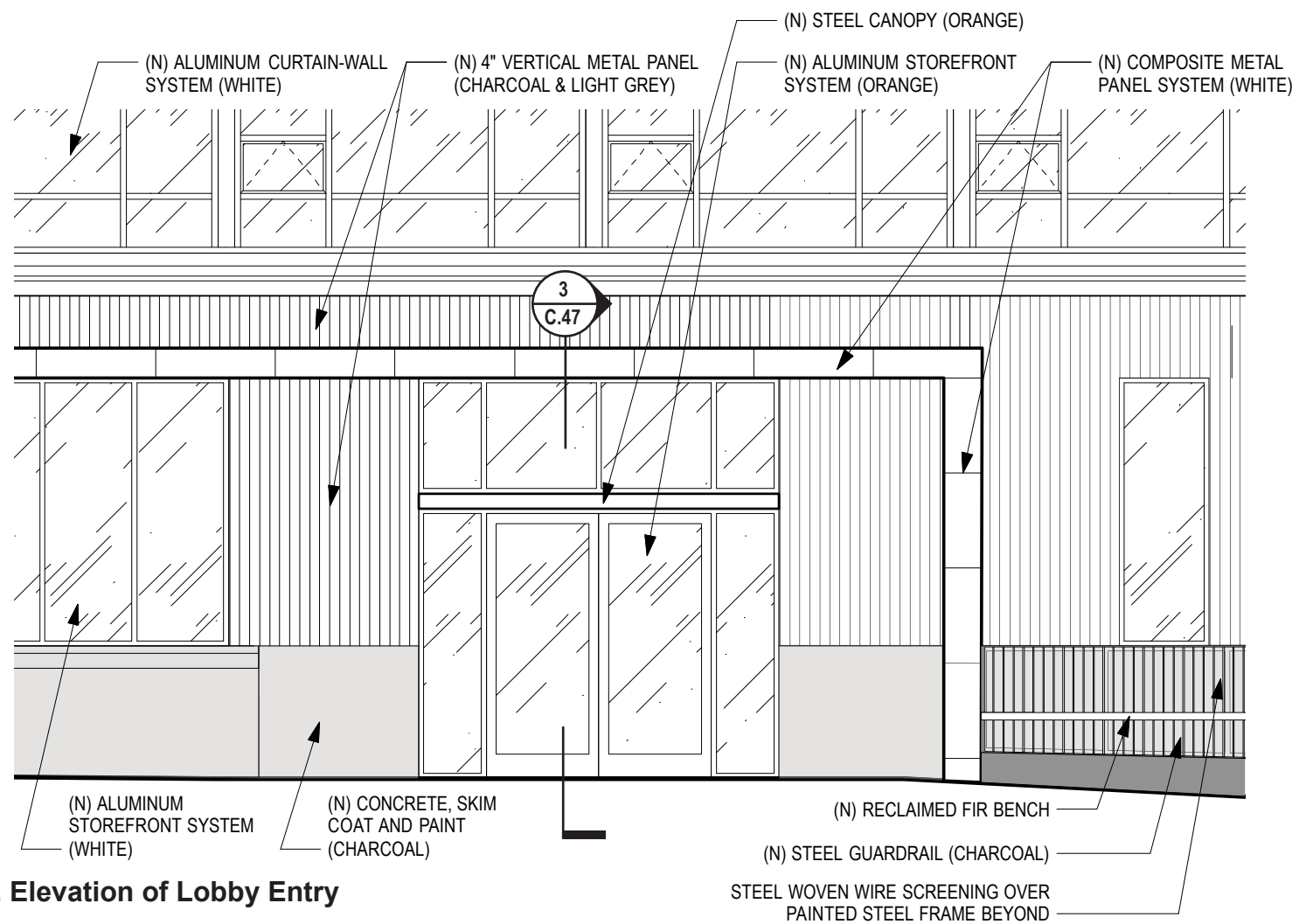
06.27.2014

LU 14-144166 DZM

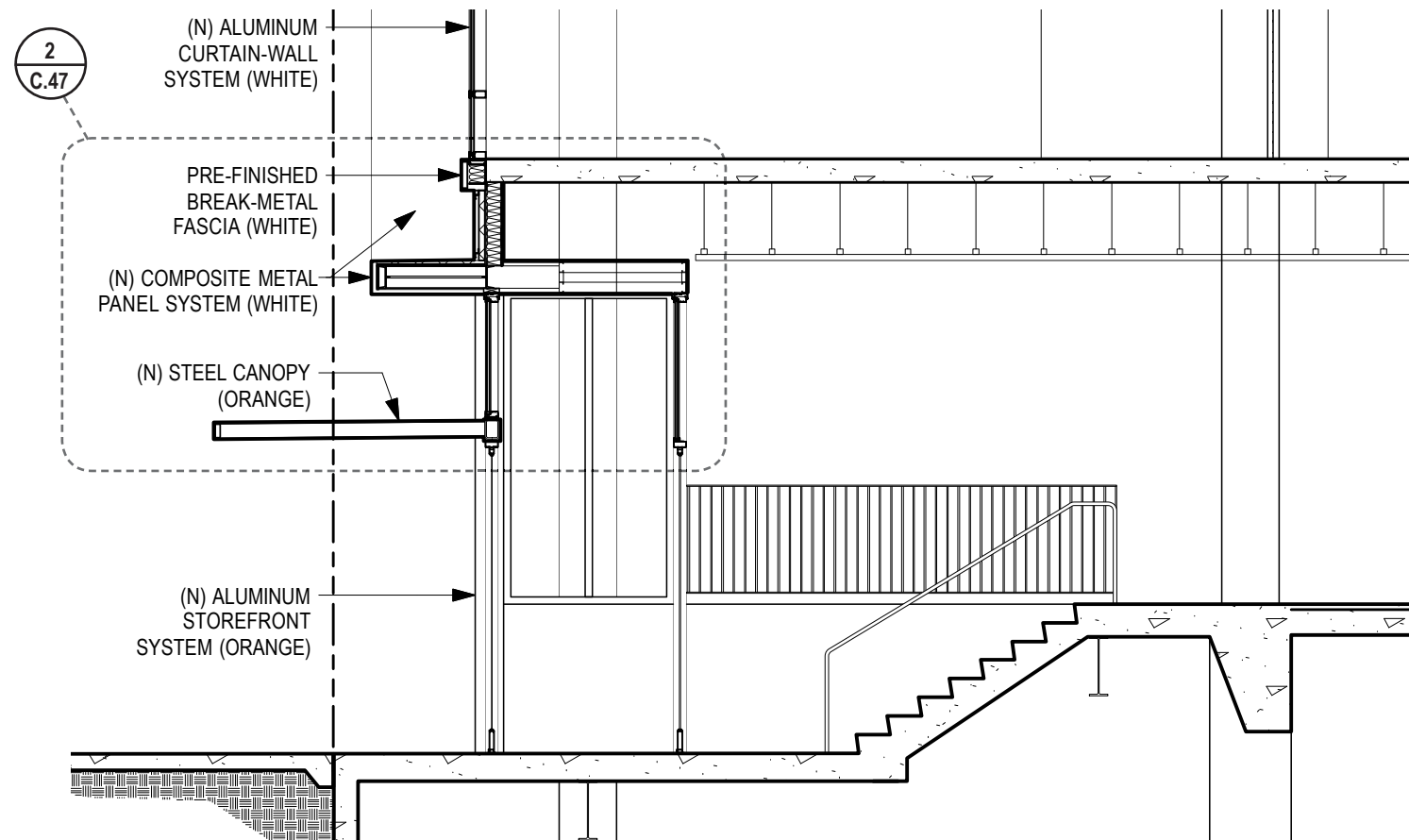
Title:
RENDERINGS

Sheet:

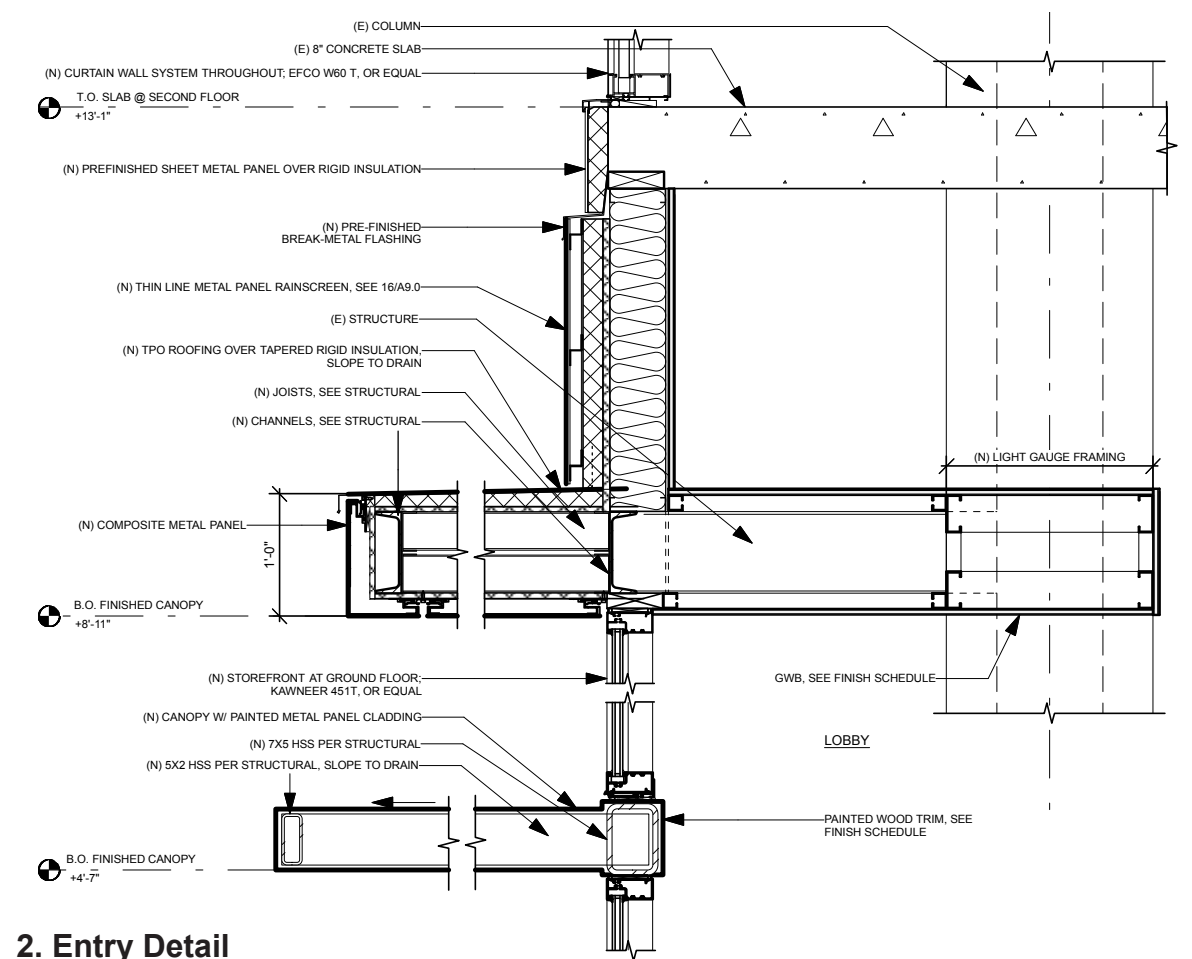
C.46



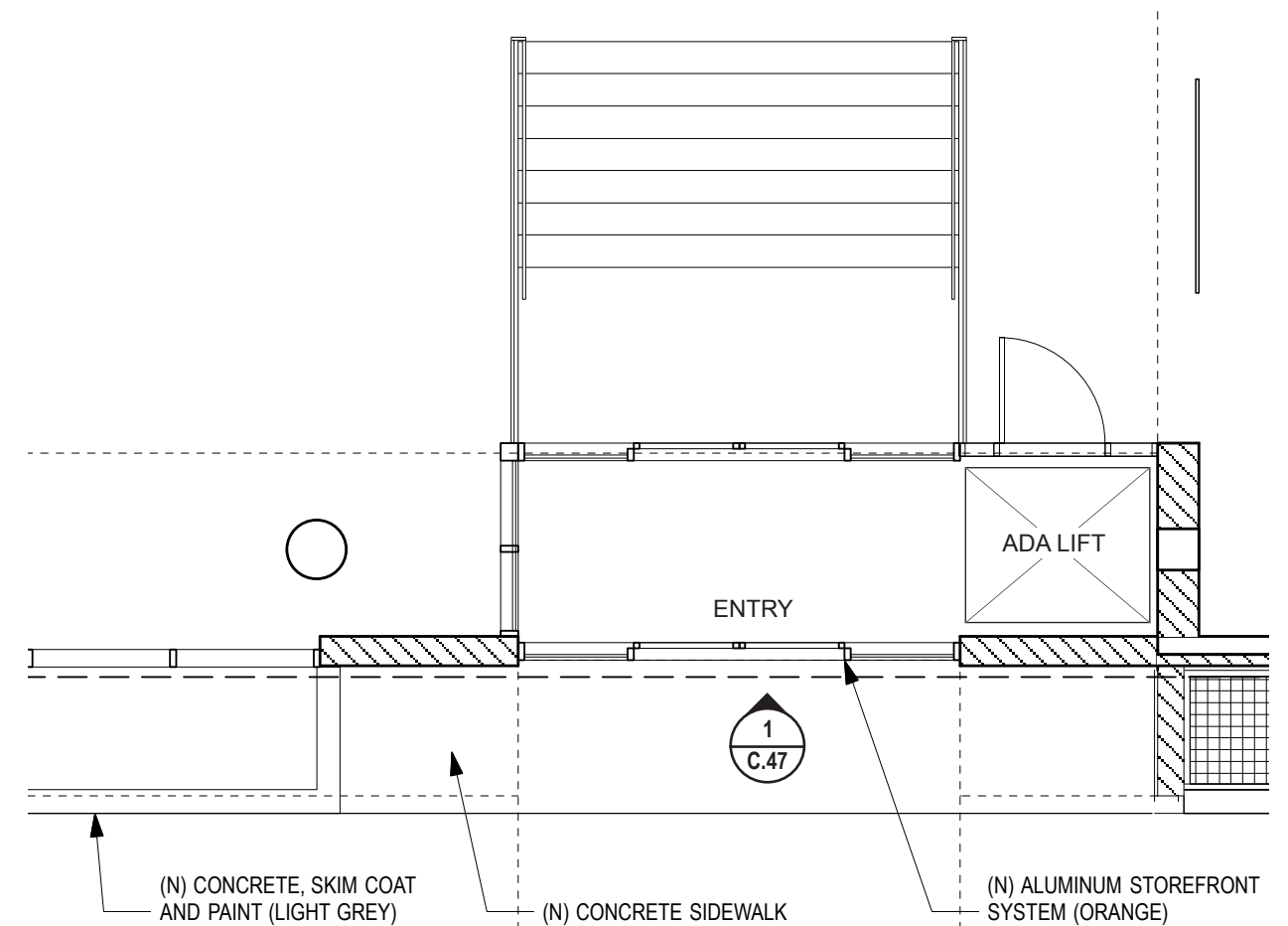
1. Elevation of Lobby Entry



3. Section through Lobby Entry



2. Entry Detail



4. Enlarged Plan of Lobby Entry



Perspective at Corner of NE Grand Ave and NE Hassalo St

DESIGN REVIEW

06.27.2014

LU 14-144166 DZM

Title:

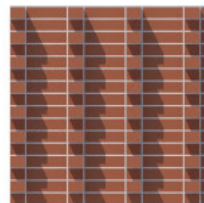
RENDERING

Sheet:

C.48



Naranja



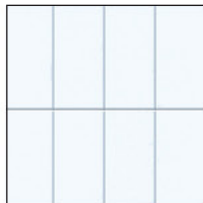
Brick



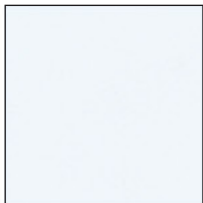
Vertical Metal Panel



Linear Metal Ceiling



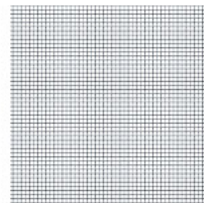
White Composite Panel



White Fascia



Natural Concrete



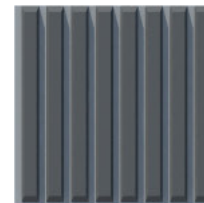
Metal Mesh Screen



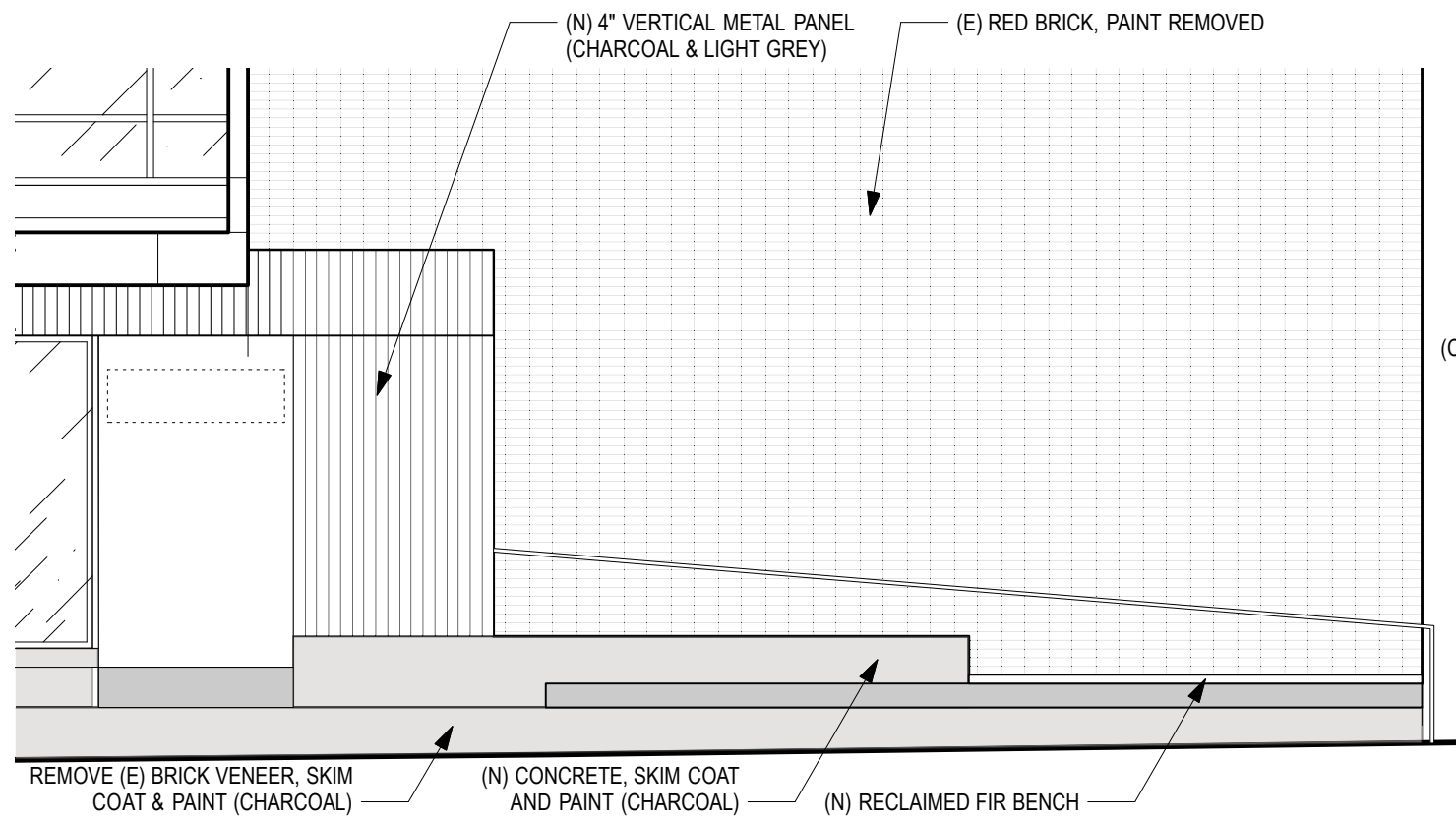
Light Grey



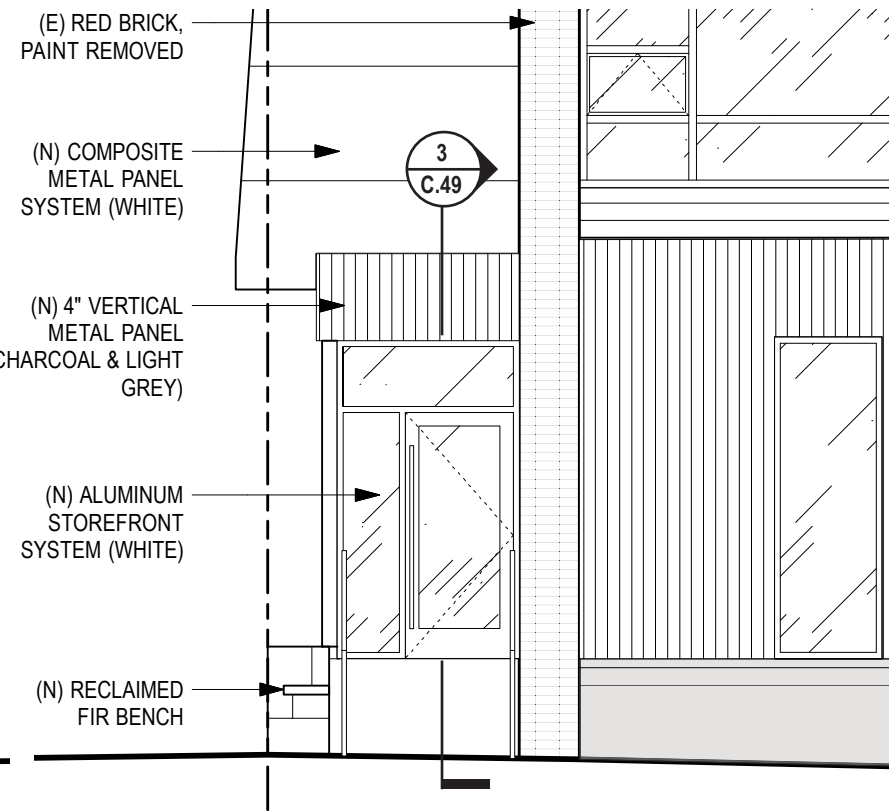
Charcoal Grey



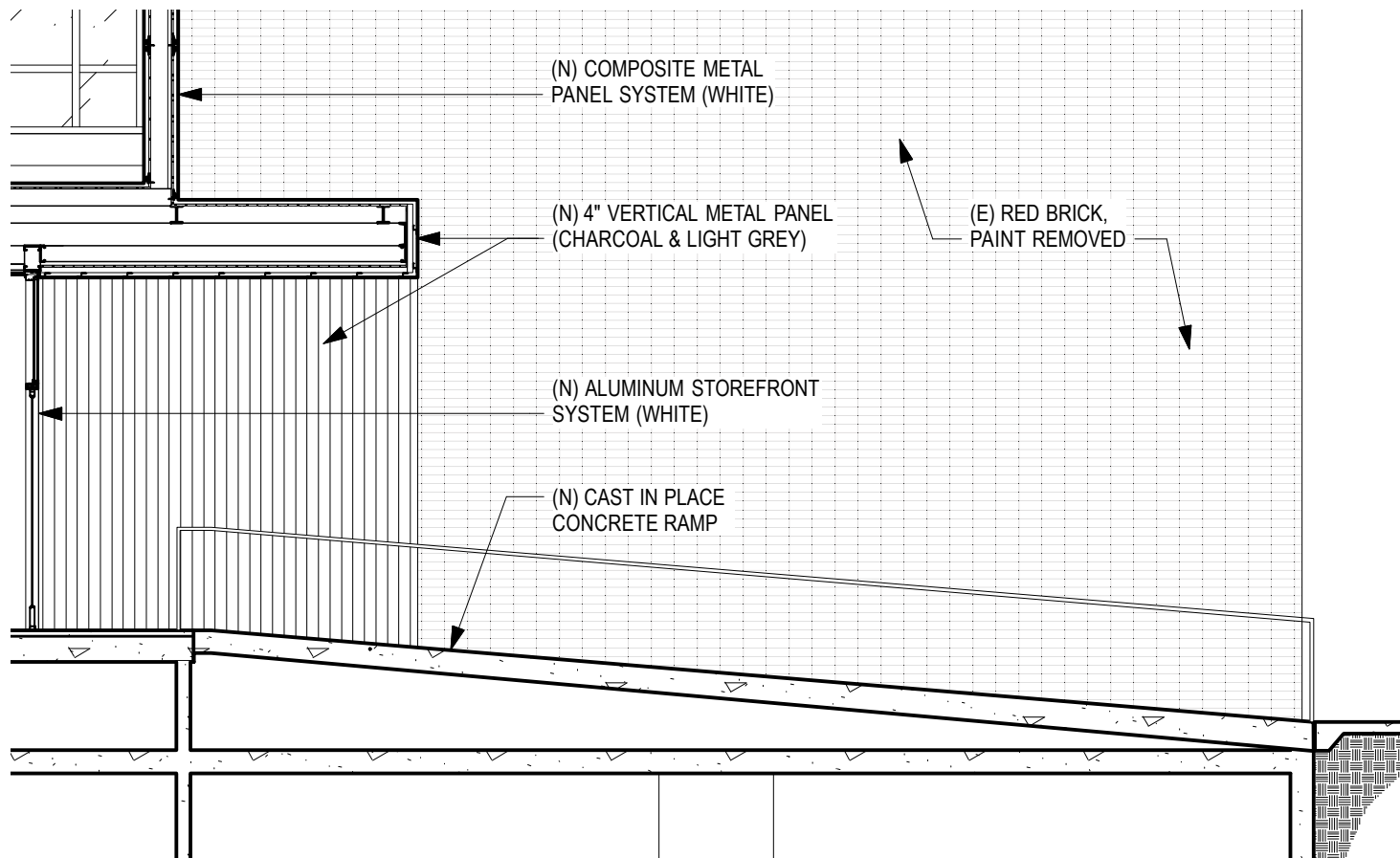
Fluted Concrete



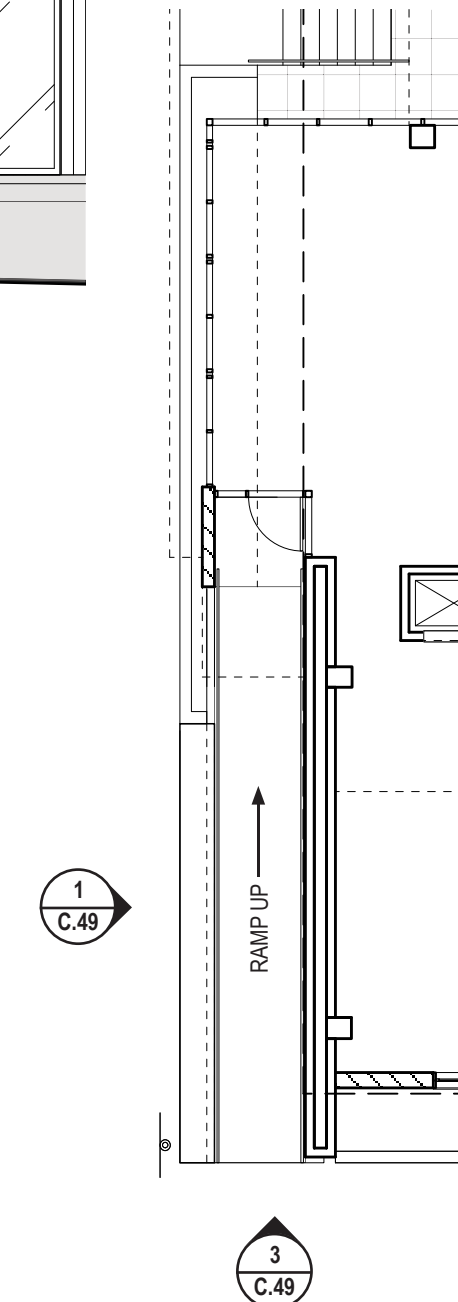
1. Enlarged Elevation at Cafe Entry Ramp



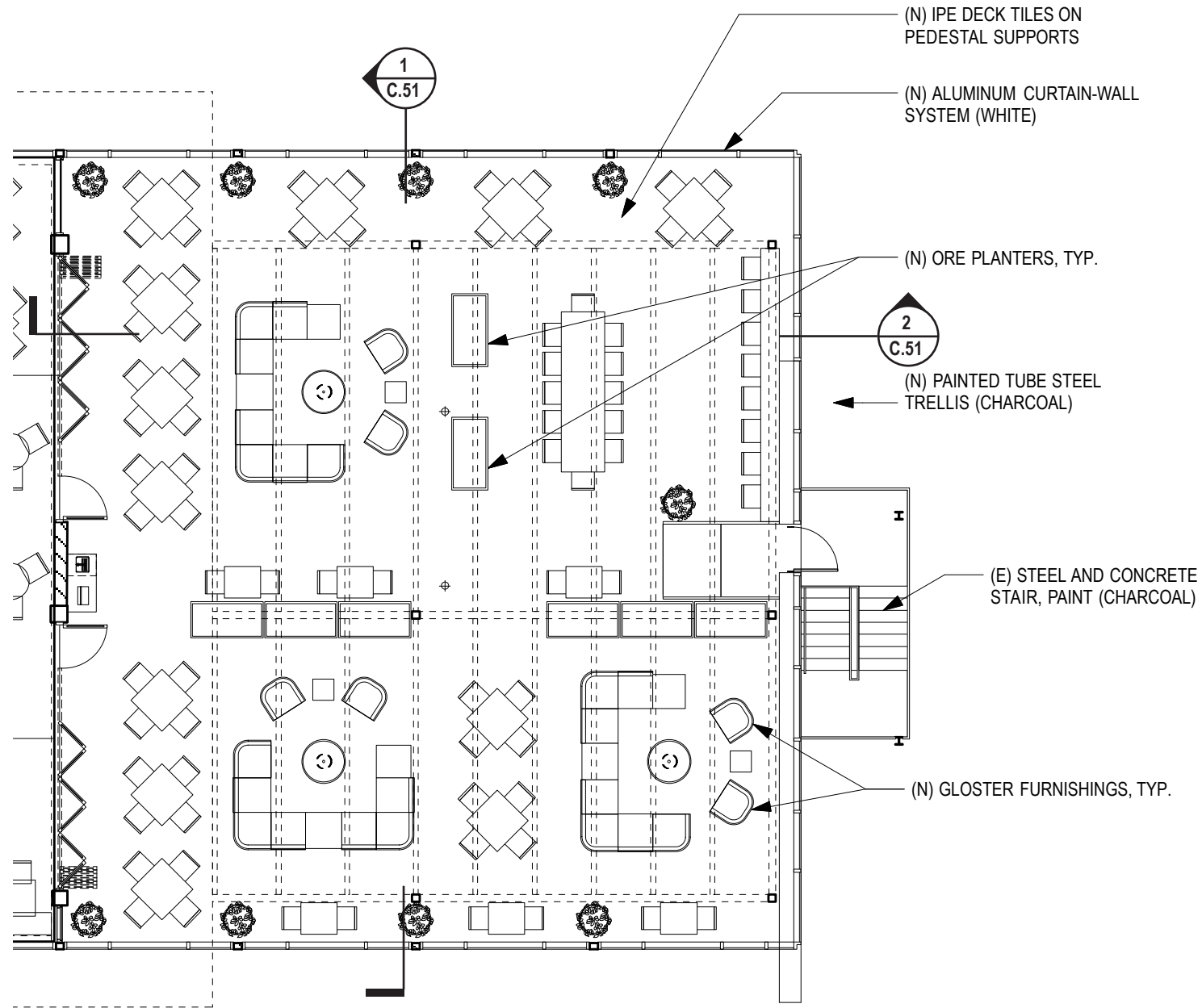
2. Enlarged Elevation at Cafe Entry



3. Enlarged Elevation at Cafe Entry Ramp



4. Enlarged Plan at Cafe Entry Ramp



Enlarged Plan of 6th Floor Roof Deck



6th Floor Roof Deck Renderings

DESIGN REVIEW
06.27.2014

LU 14-144166 DZM

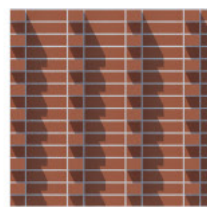
Title:
ROOF DECK

Sheet:

C.50



Naranja



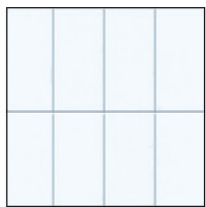
Brick



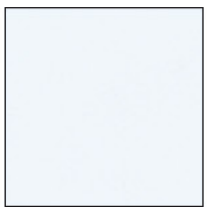
Vertical Metal Panel



Linear Metal Ceiling



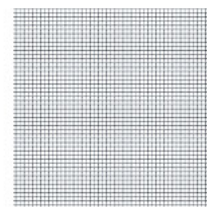
White Composite Panel



White Fascia



Natural Concrete



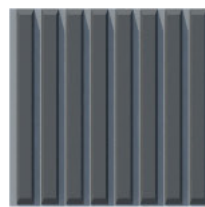
Metal Mesh Screen



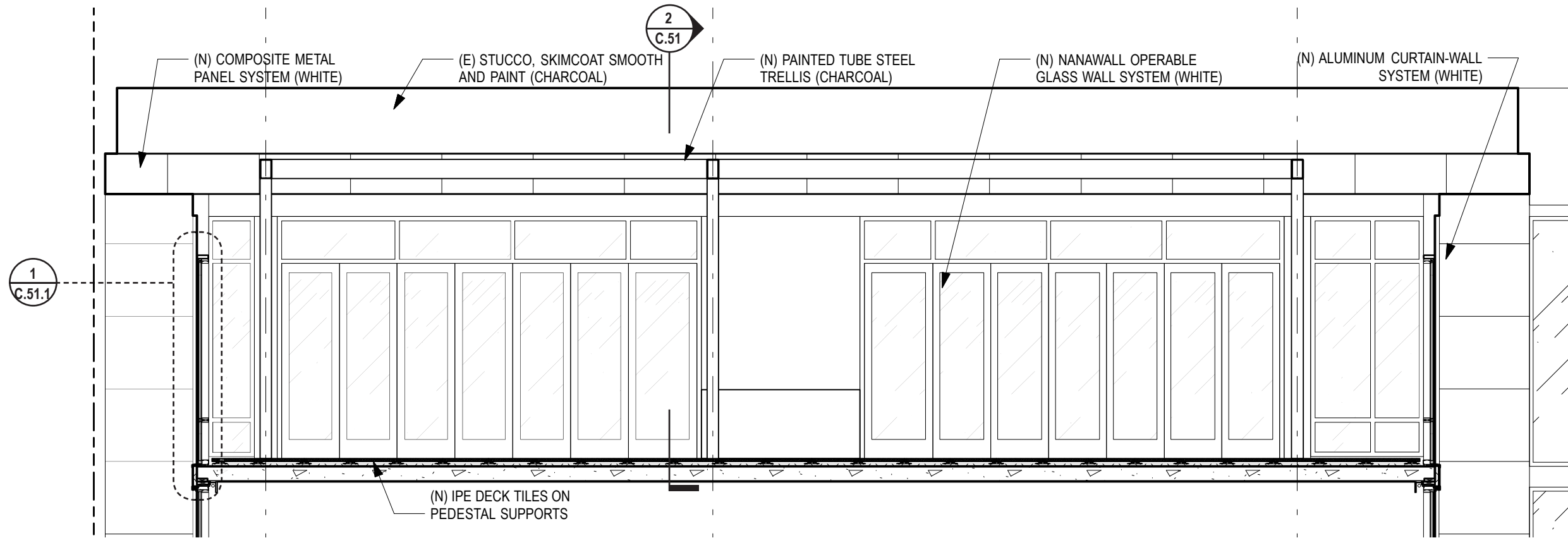
Light Grey



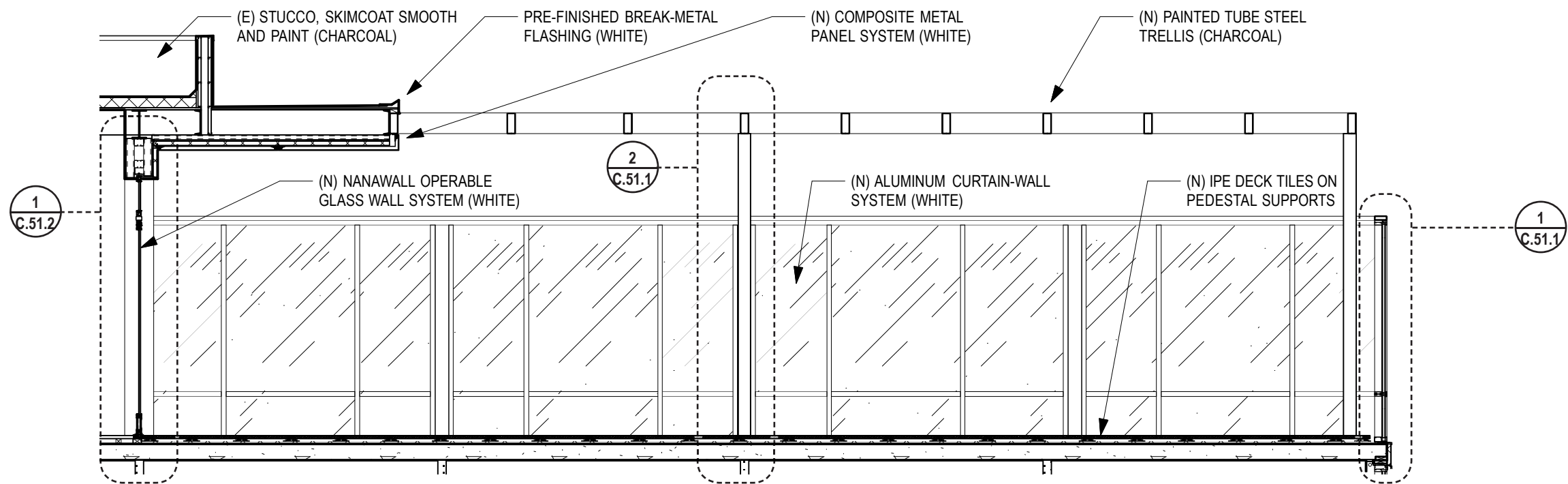
Charcoal Grey



Fluted Concrete



1. Roof Deck Section



2. Roof Deck Section

DESIGN REVIEW
06.27.2014

LU 14-144166 DZM

Title:
BUILDING DETAILS

Sheet:

C.51

DESIGN REVIEW

06.27.2014

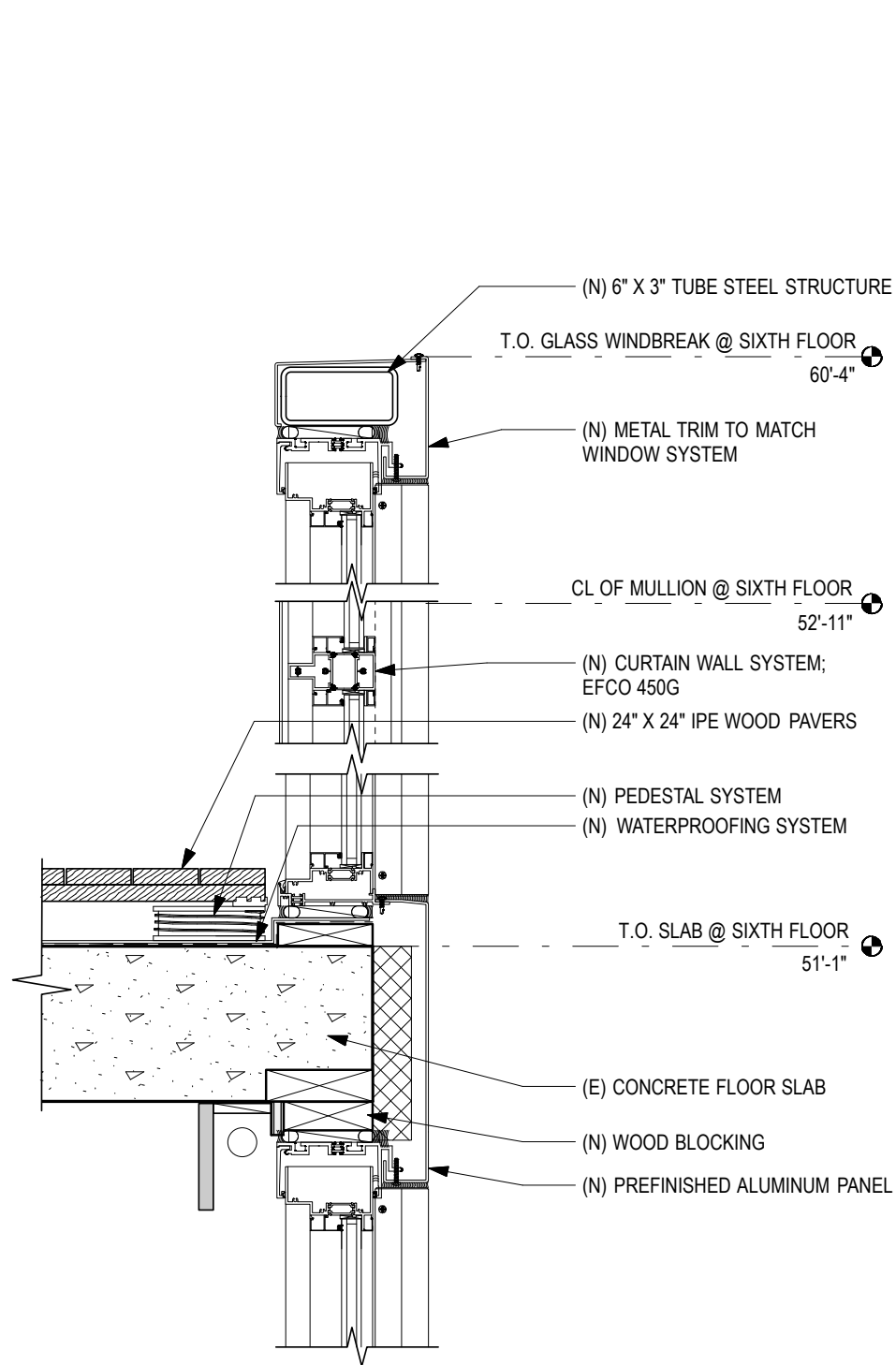
LU 14-144166 DZM

Title:

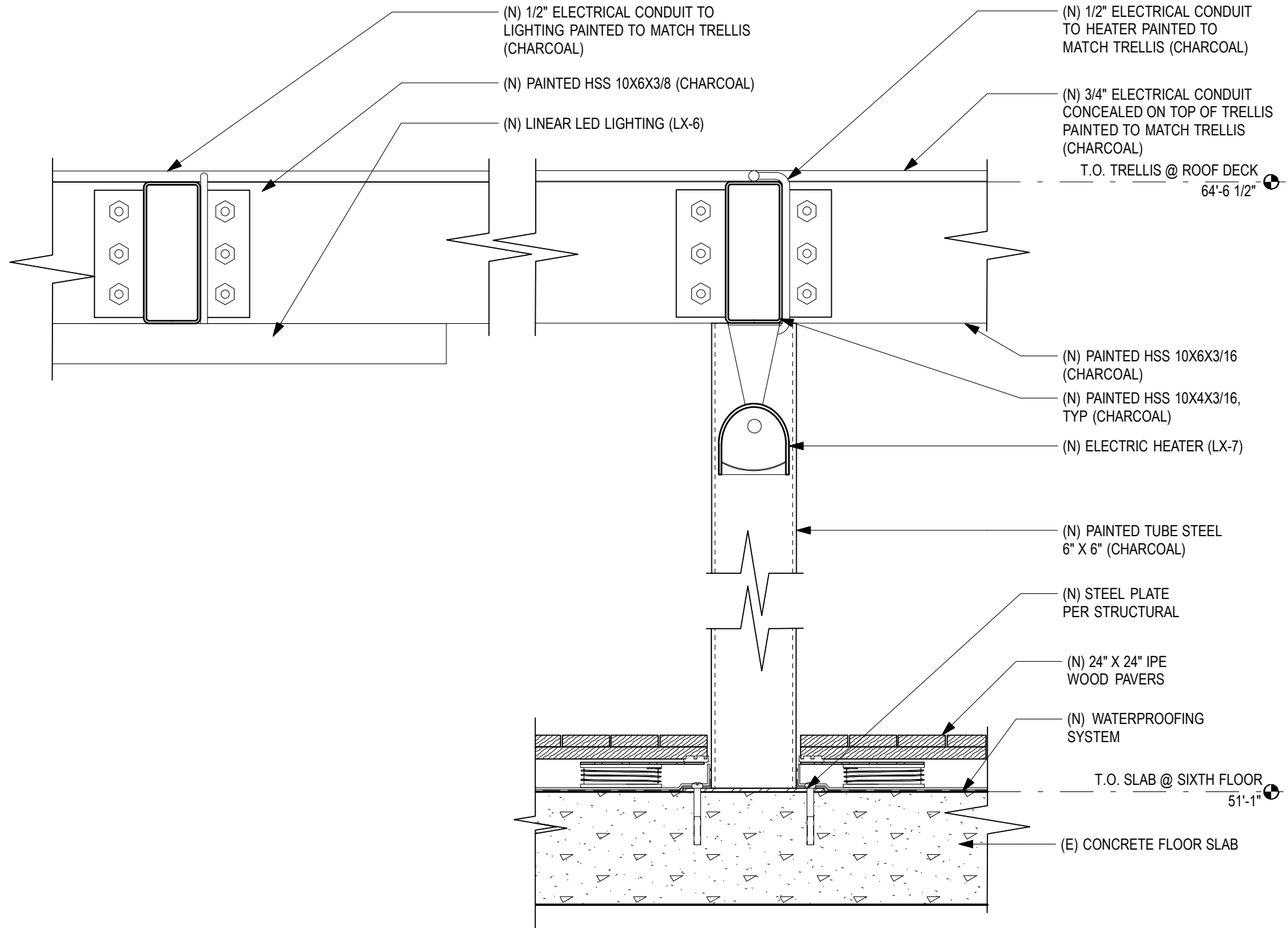
BUILDING DETAILS

Sheet:

C.51.1

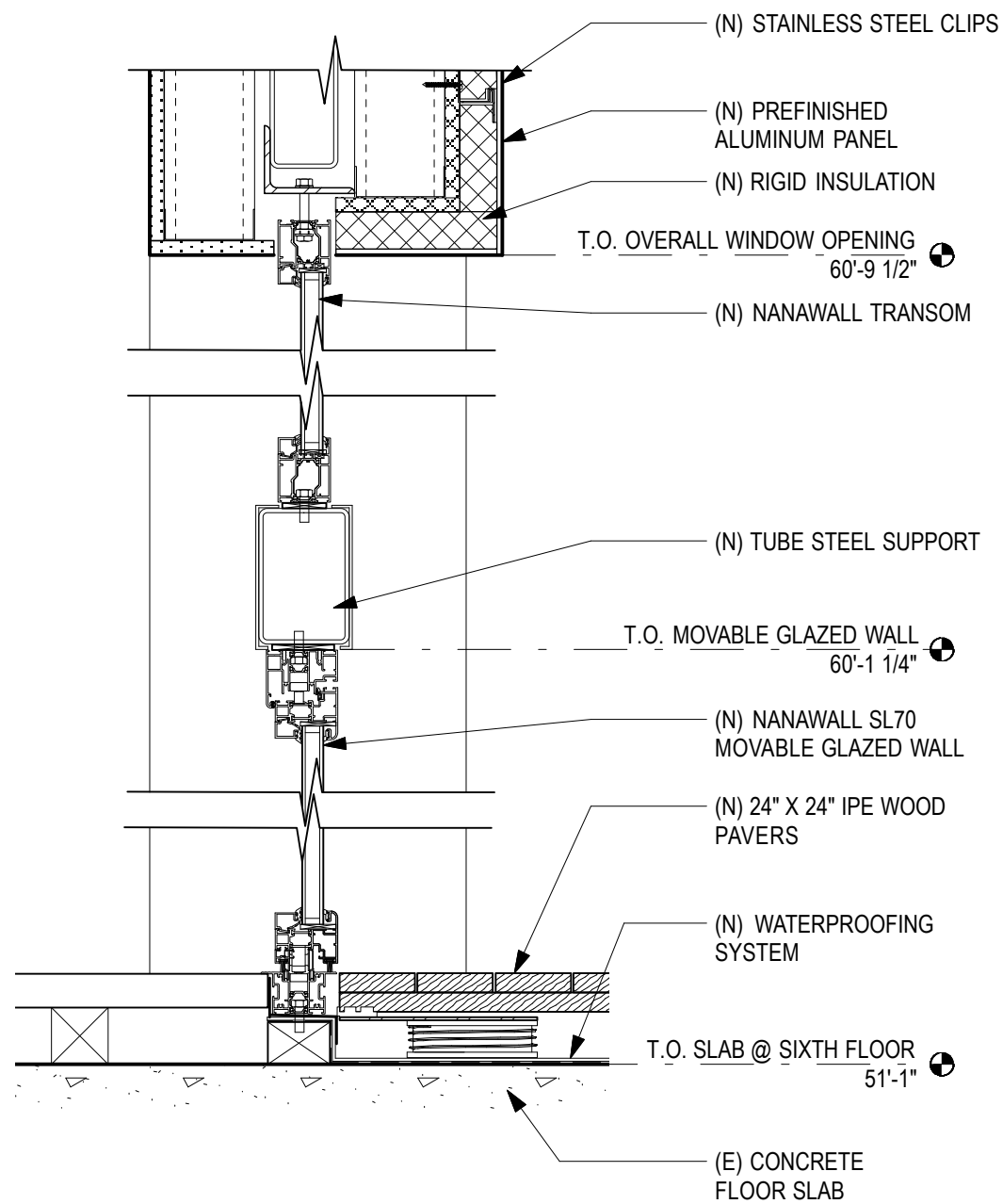


1. Roof Deck Glass Windbreak and Pavers

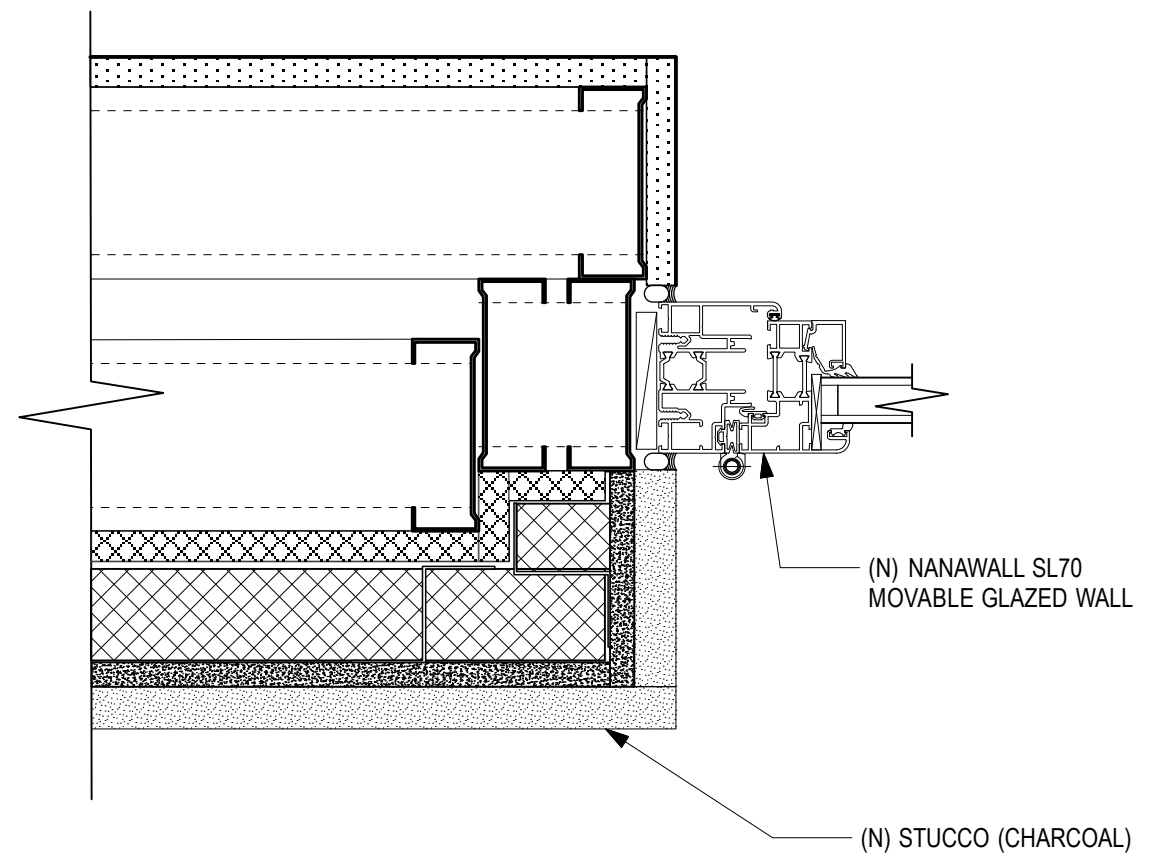


2. Roofdeck Trellis, Pavers, and Heaters

1. Roof Deck Trellis Conduit Location



1. Nanawall Head and Sill



2. Nanawall Jamb

DESIGN REVIEW

06.27.2014

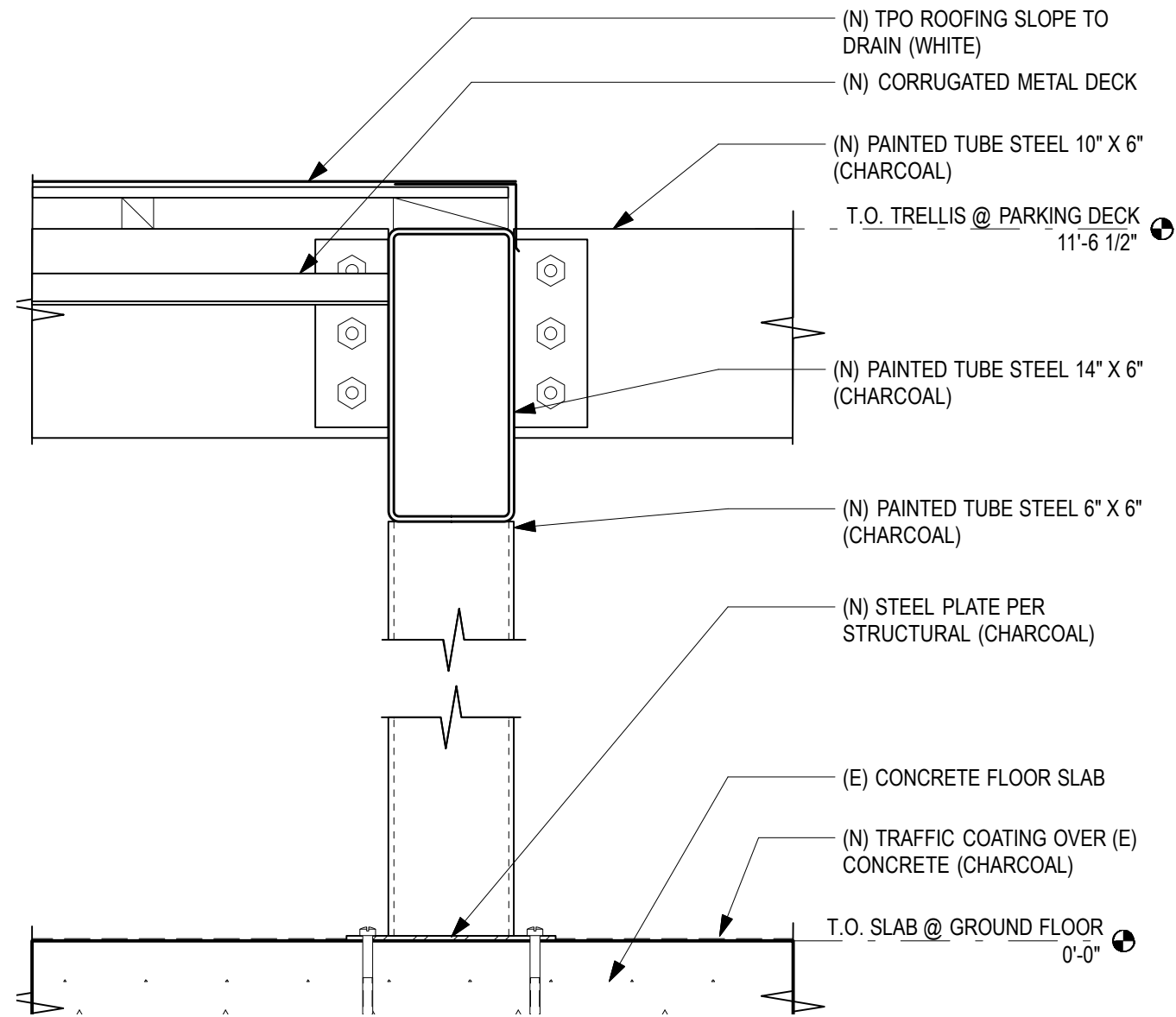
LU 14-144166 DZM

Title:

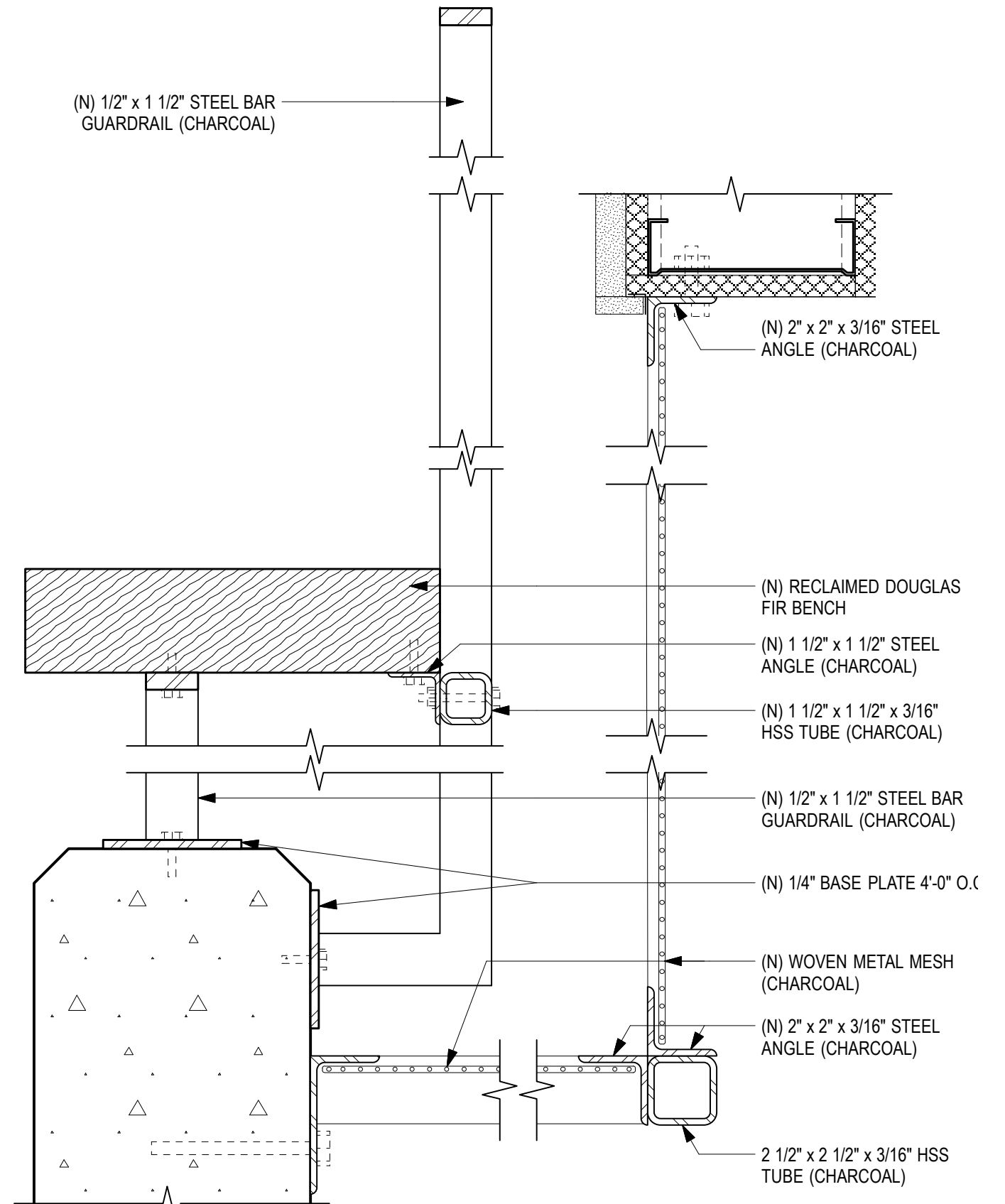
BUILDING DETAILS

Sheet:

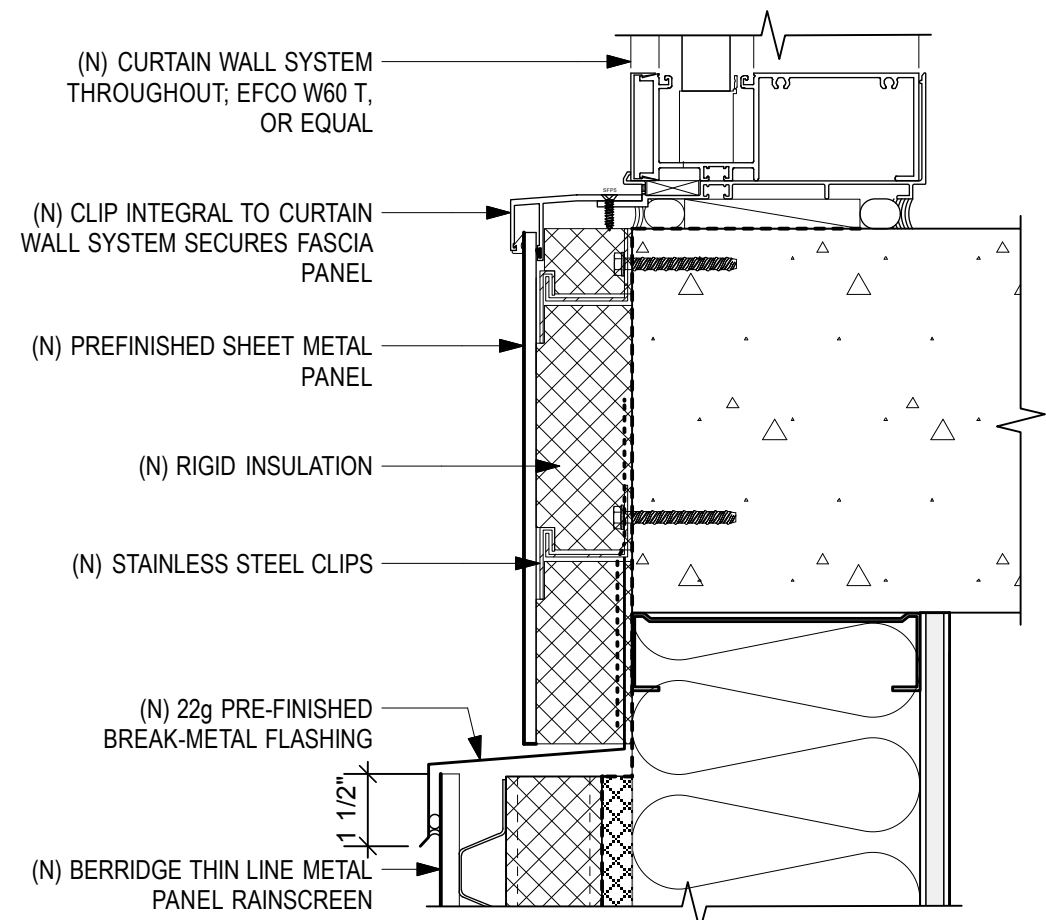
C.51.3



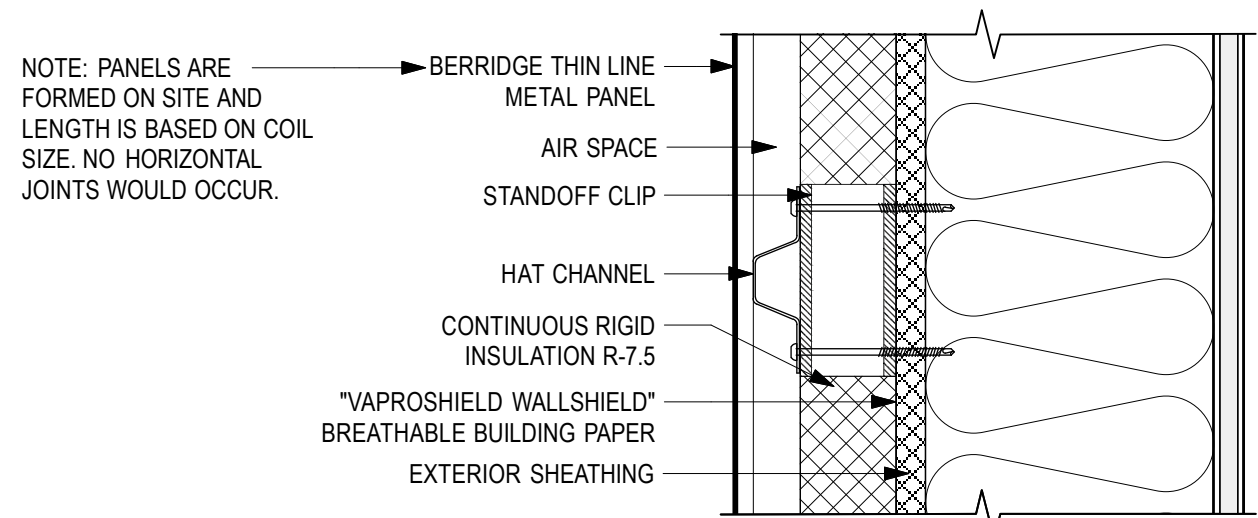
1. Parking Deck Trellis Section



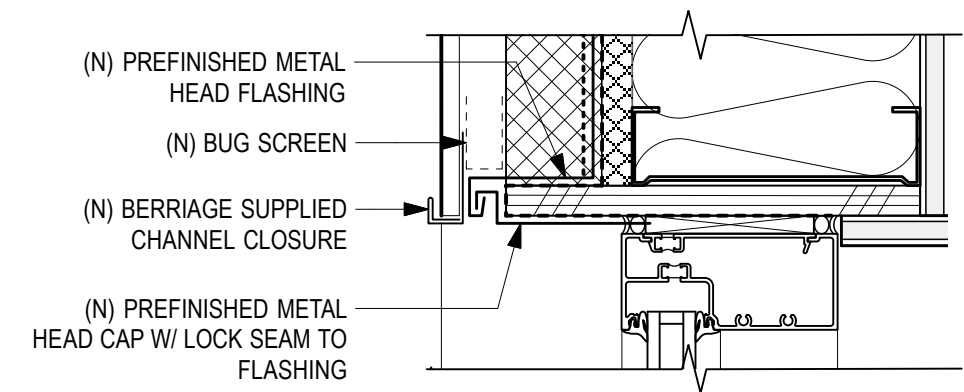
2. Section Through Bench / Guardrail / Metal Mesh at Hassalo St.



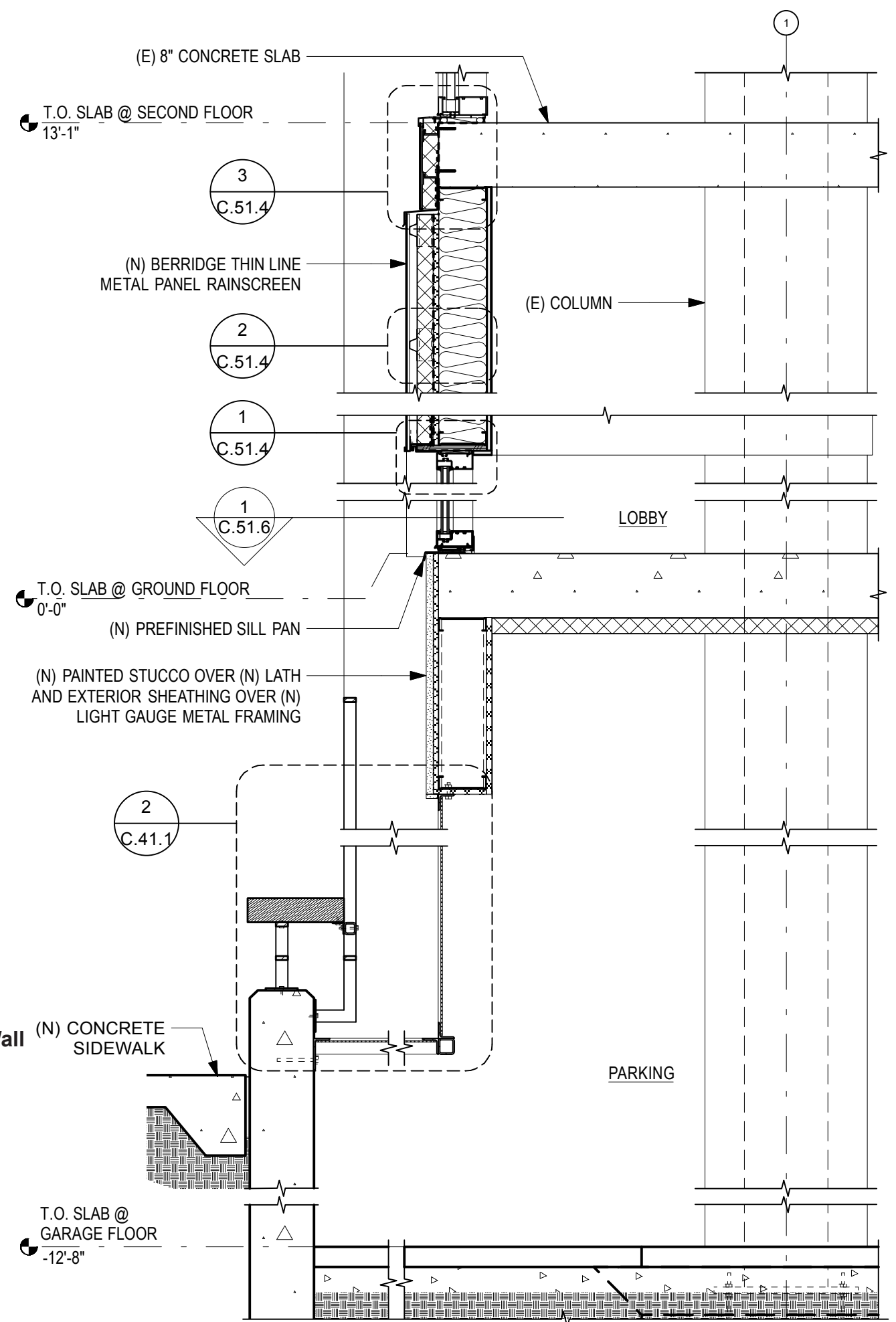
3. Fascia at 2nd Floor Edge of Slab



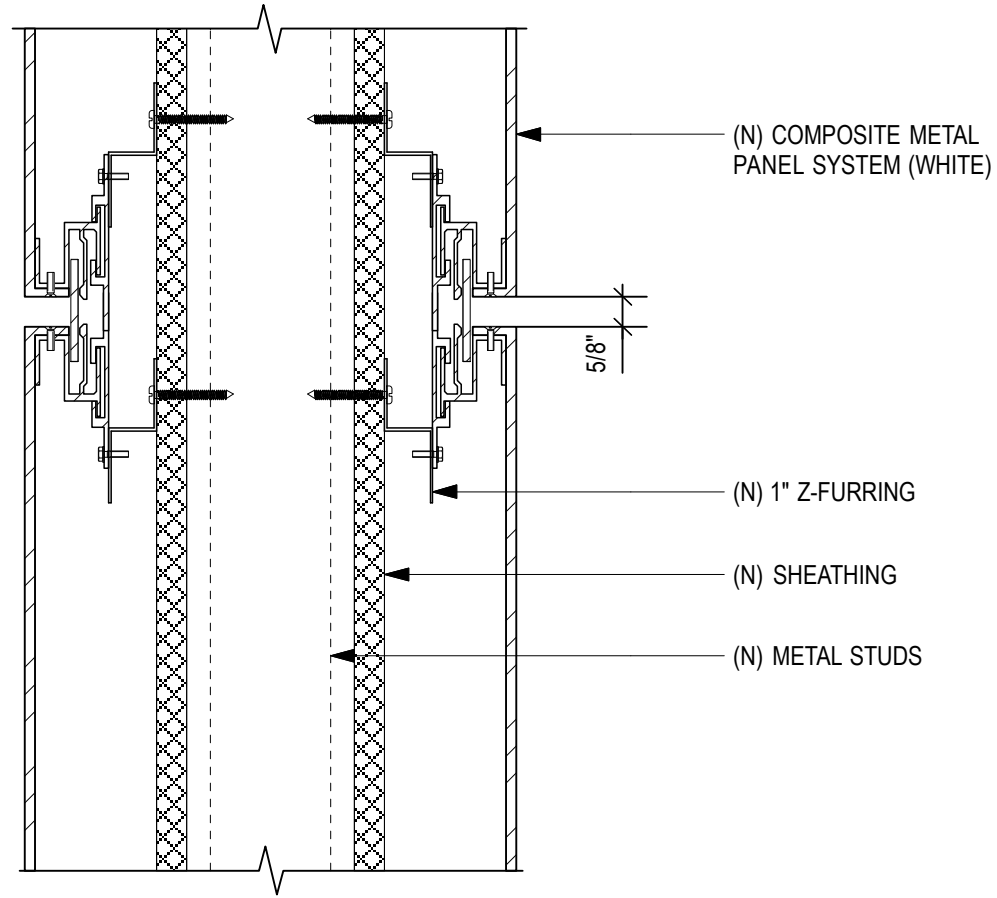
2. Vertical Metal Panel Attachment to Existing Wall



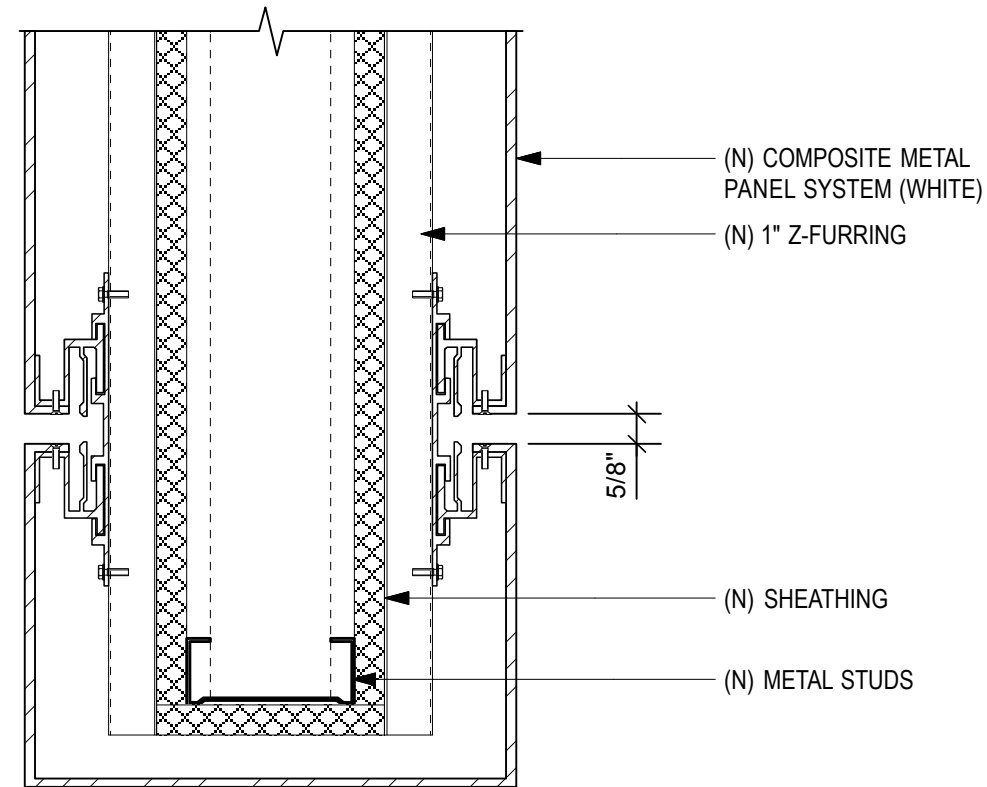
1. Vertical Metal Panel at Window Head



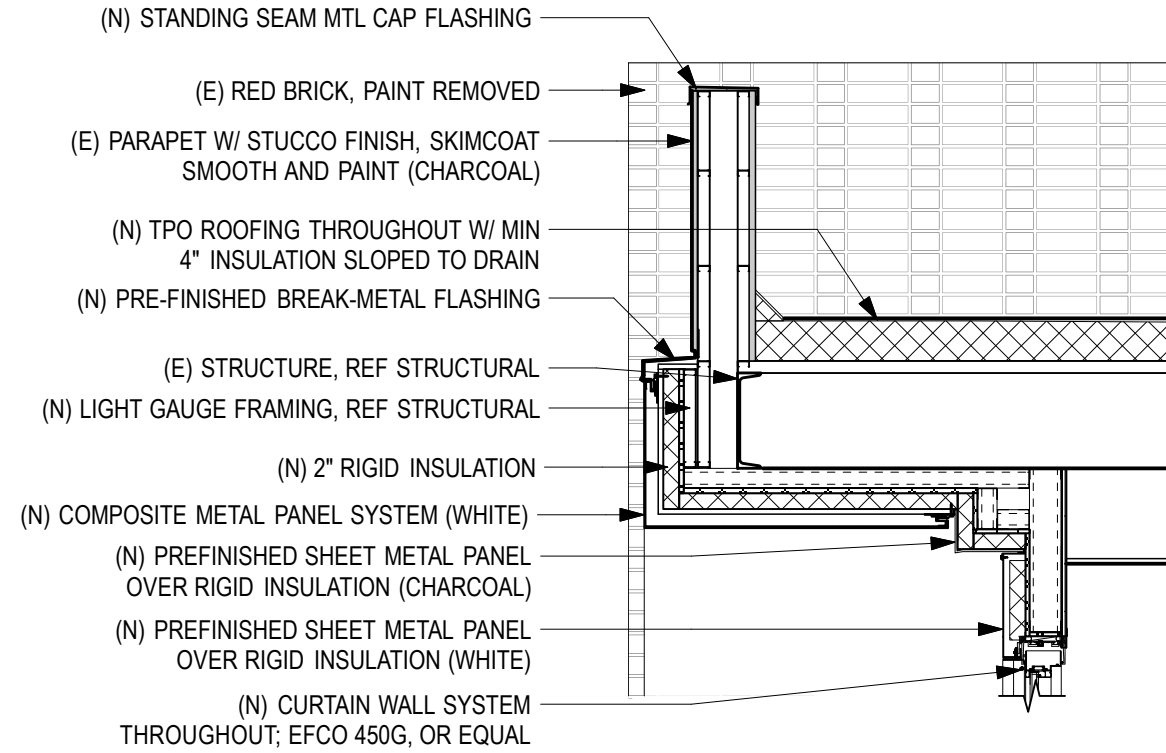
4. North Wall Section at Fitness Center



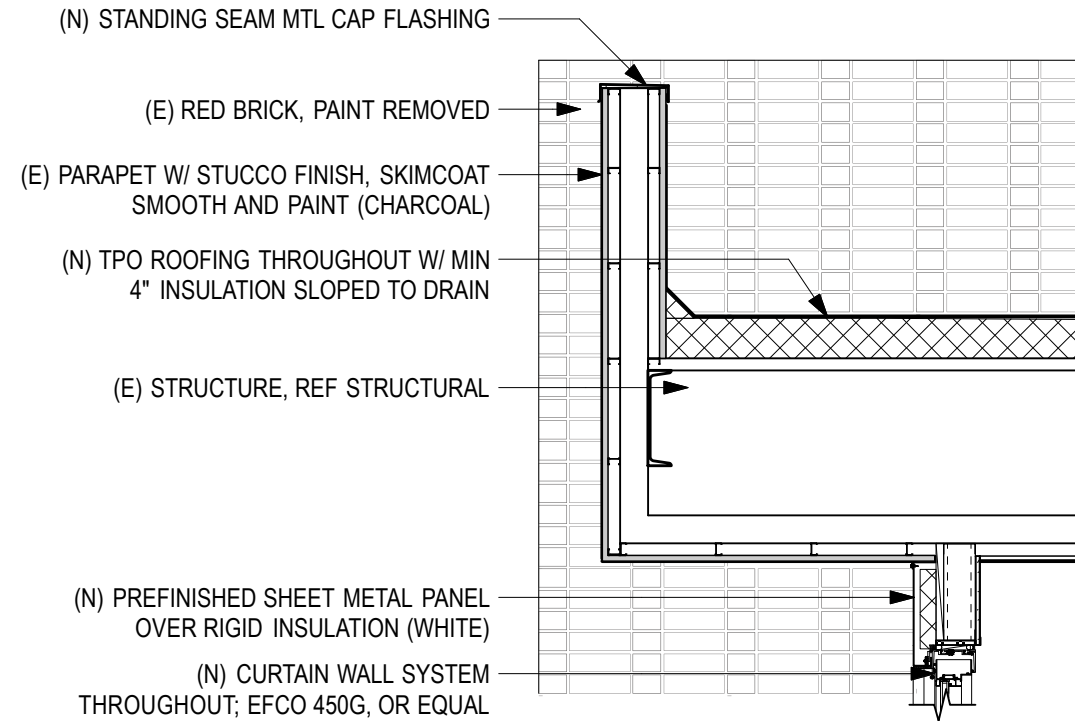
2. Metal Composite Panel Horizontal Joints at Fin (Section)



1. Metal Composite Panel Vertical Joints at Fin (Plan)



4. Soffit Detail at Fin



3. Soffit Detail

DESIGN REVIEW

06.27.2014

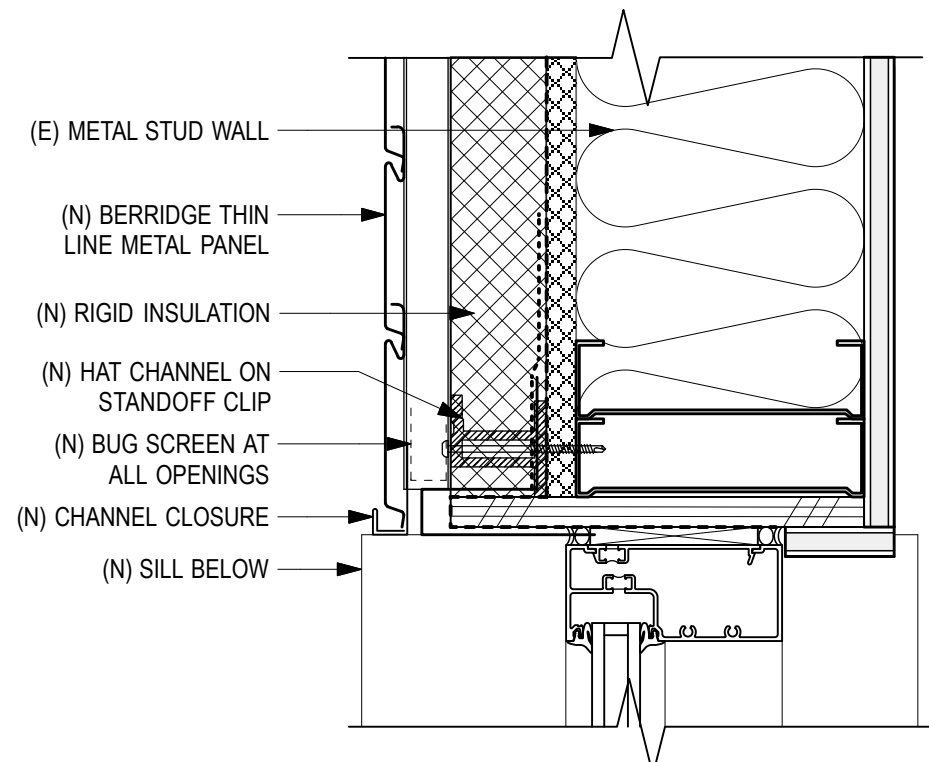
LU 14-144166 DZM

Title:

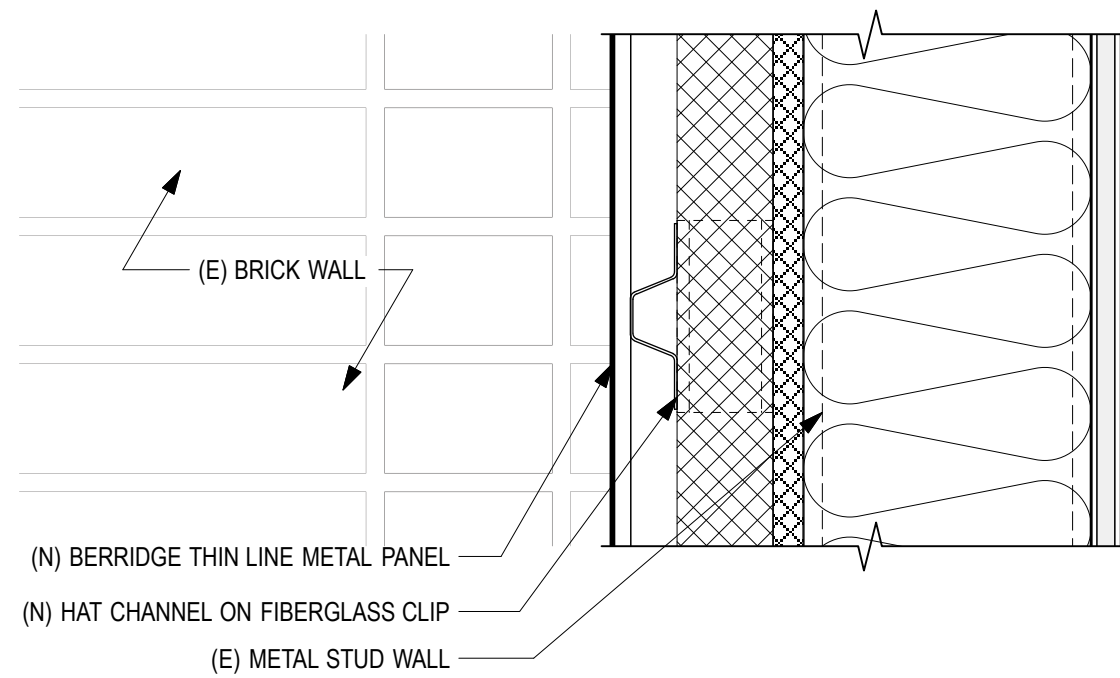
BUILDING DETAILS

Sheet:

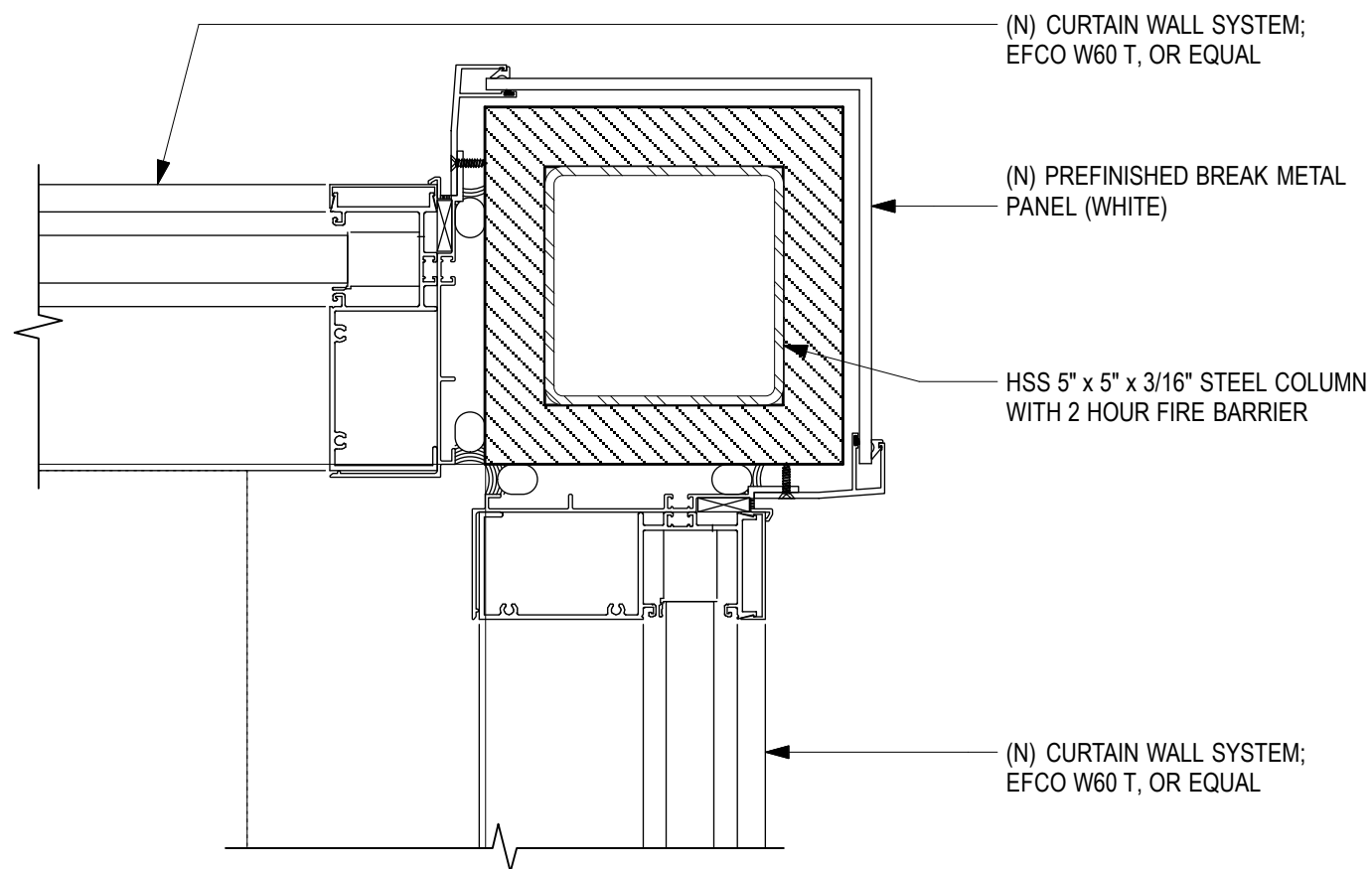
C.51.5



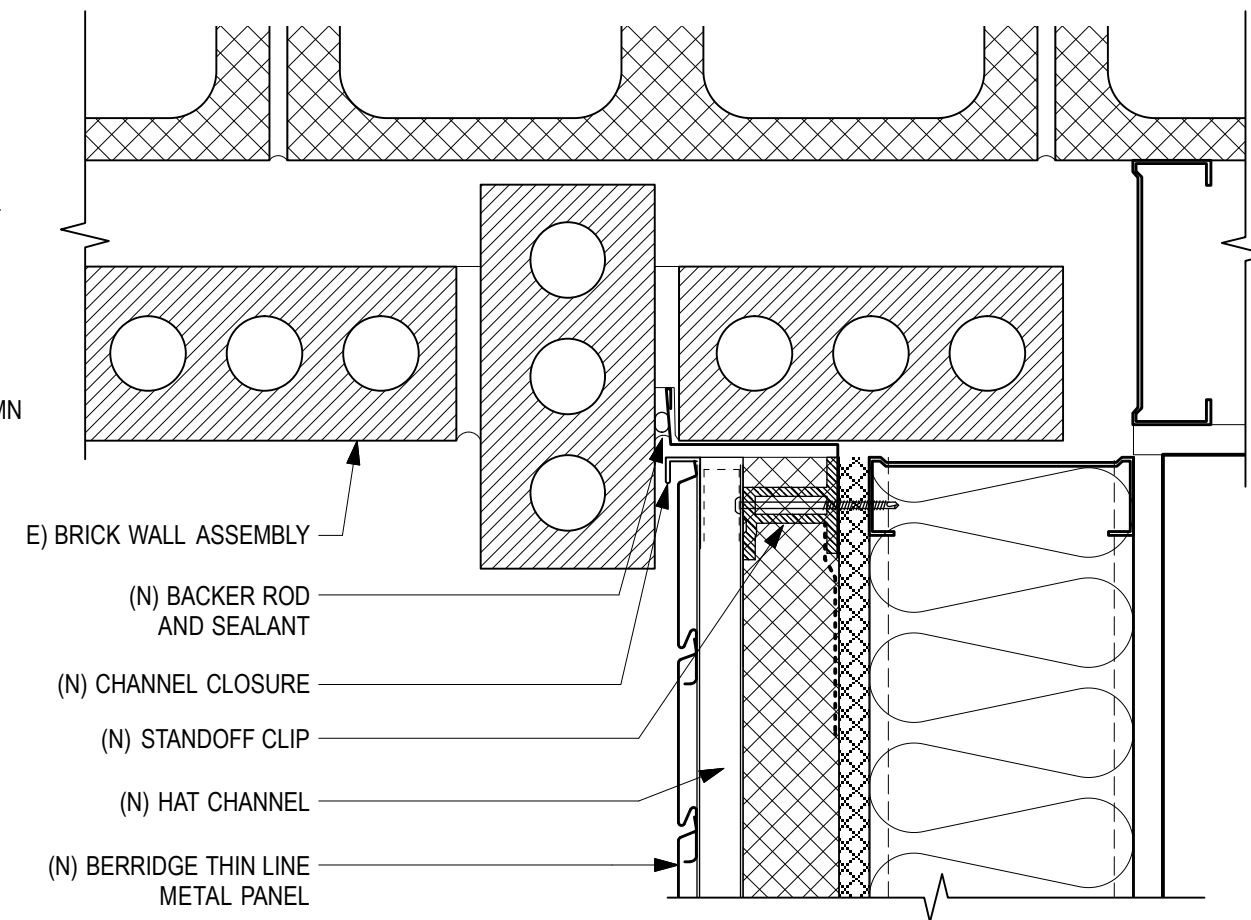
1. Vertical Metal Panel at Window Jamb



3. Vertical Metal Panel at Existing Brick Wall Section



2. Elevator Corner Detail

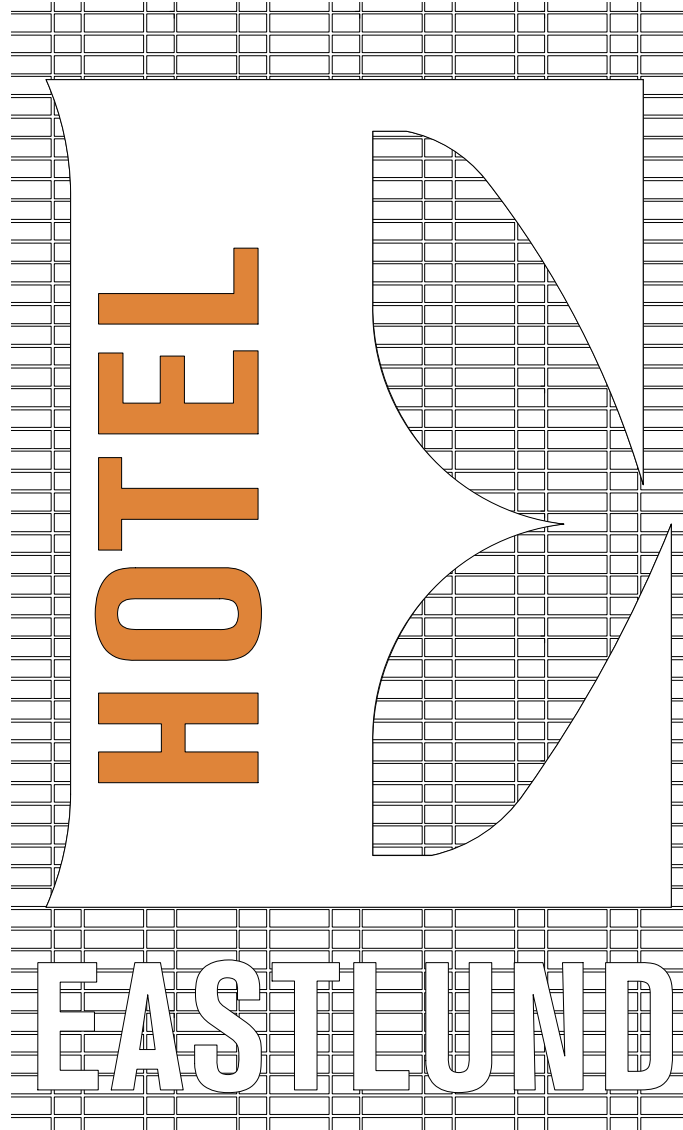


4. Vertical Metal Panel at Existing Brick Wall Plan

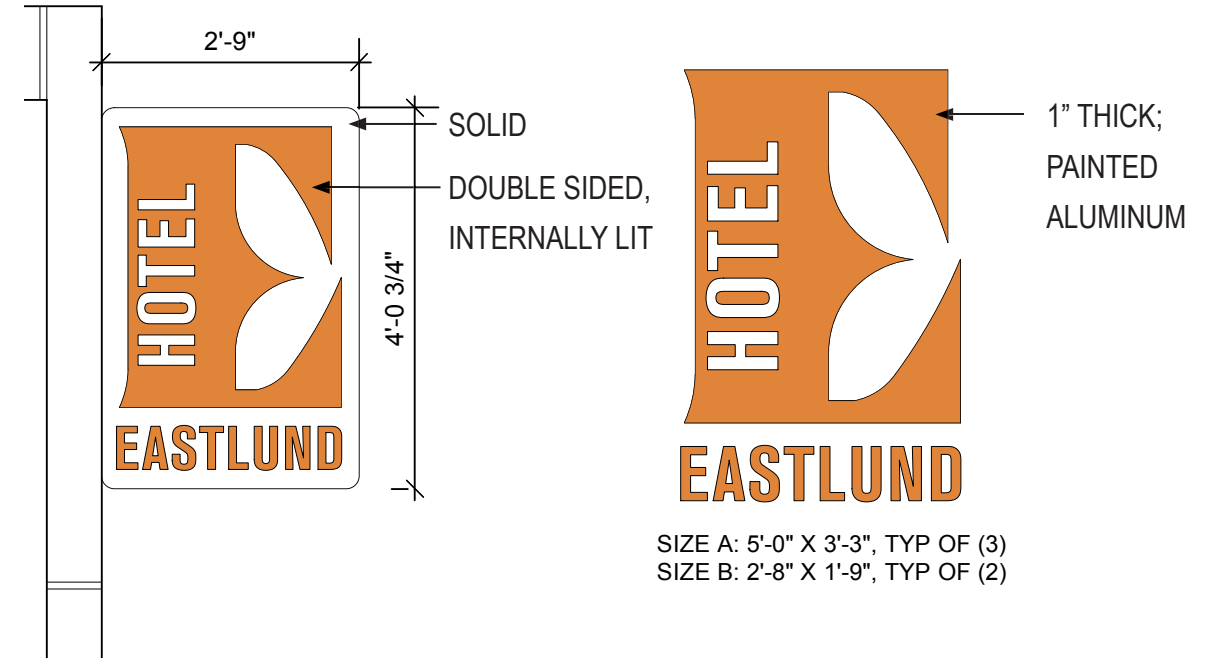


Night Signage Rendering

4" THICK ("E" AND LETTERS BELOW)
 WHITE FABRICATED ALUMINUM
 ORANGE VINYL, BACKLIT W/ LEDS

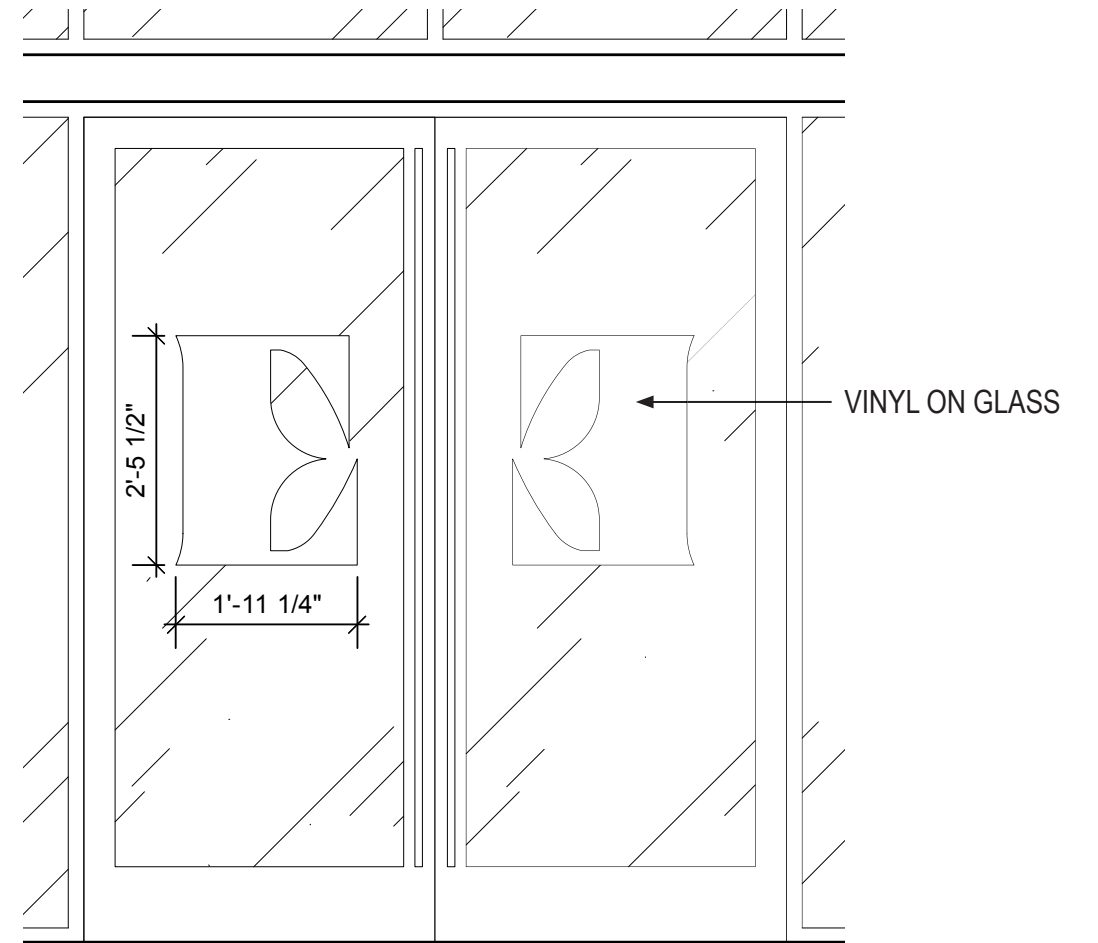


1. Wall Mounted Signage on Brick - Quantity: 2

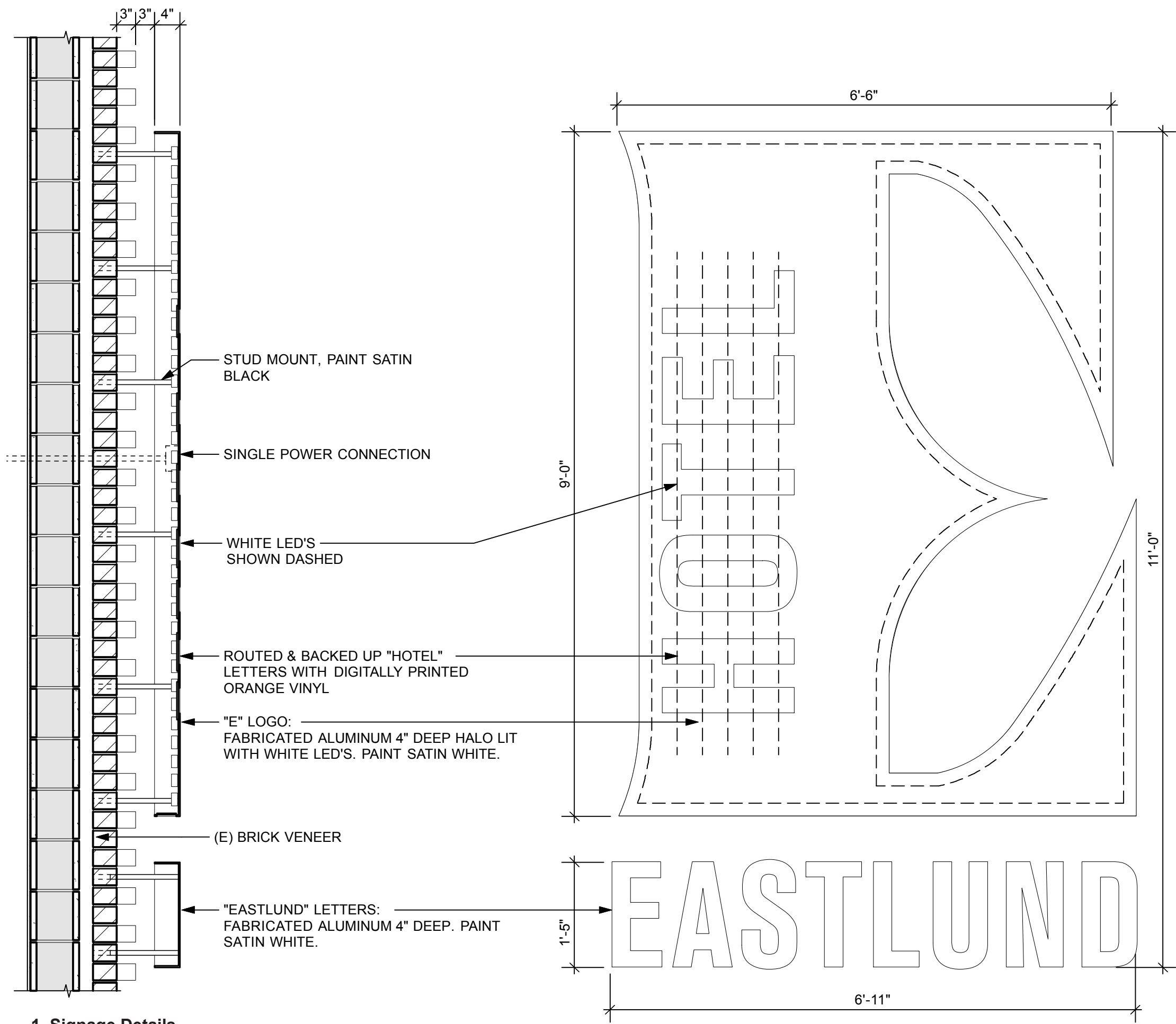


3. Blade Signage Signage - Quantity: 1

4. Wall Mounted Signage - Quantity: 5



2. Entry Door Signage - Quantity: 2



1. Signage Details

C.56	Materials
C.57	Materials
C.58	Landscape Site Plan
C.59	Landscape Notes and Legends
C.60	Landscape North Facade Planting
C.61	Landscape West Facade Planting
C.62	Landscape South Facade Planting
C.63	Landscape Site Interior Planting
C.64	Landscape Roof Terrace Planting
C.65	Landscape Details
C.66	Furnishings
C.67	Furnishings
C.68	Furnishings
C.69	Furnishings
C.70	Furnishings
C.71	Lighting
C.72	Lighting
C.73	Lighting
C.74	Lighting
C.75	Lighting
C.76	Lighting
C.77	Lighting
C.78	Lighting
C.79	Materials
C.80	Glazing
C.81	Glazing
C.82	Glazing
C.83	Glazing

APPENDIX

Berridge Thin-Line

Versatile, maintenance-free, prefinished metal fascia, facade, wall or soffit panels for open spans.



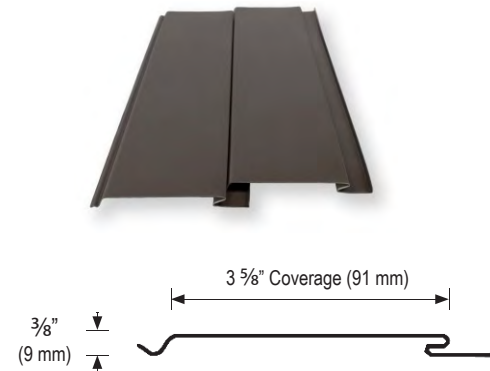
Berridge Thin Line is a multipurpose wall, soffit, liner, ceiling and fascia panel.



Berridge Thin Line panel provides smooth, narrow lines.



- 24 gauge steel
- Concealed fasteners
- Channel drain interlock
- Narrow panel with smooth appearance
- Optional wood grain or stucco embossed texture
- Use vertically for fascia or wall
- Open framing or solid sheathing
- Florida Product Approval



Thin Line Panels can be site-formed in continuous lengths using Berridge's TL-6 portable roll former.

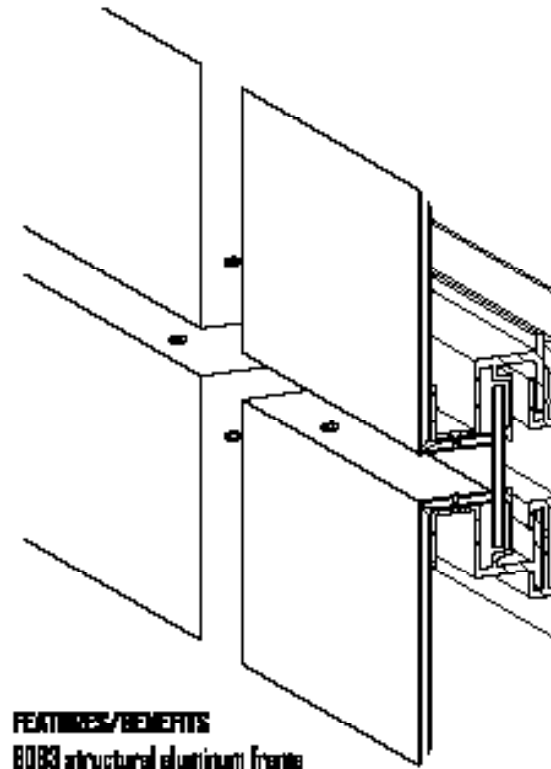
See www.berridge.com for Details and Specifications

METAL PANEL

Pacific Panel Systems

P.O. Box 21770
 Fairview, Or 97024
 office: 503-667-0860
 fax: 503-298-3441
info@pacificpanelsystems.com

P-125 PER Panel



P-125 PER is a pressure equalized rain screen system that is manufactured with a 4mm composite panel, attached to a concealed extruded aluminum frame

PANEL SYSTEM TESTED TO MEET

- AAMA 601 Standards include
 - ASTM E283 Air penetration
 - ASTM E330 Water penetration
- ASTM E330 Structural performance
- AAMA 601.6 Seismic movement
- AAMA 508-07 Pressure equalization
- ASTM E2230-06 Structural performance

4MM COMPOSITE PANELS

- Polyethylene or Fire Rated core
- Pre-finished or anodized aluminum
- Copper
- Stainless Steel
- Zinc
- Other materials upon request

SIZES

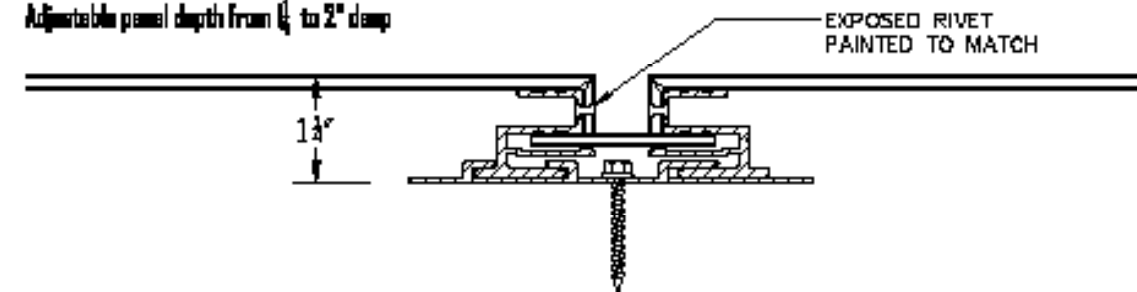
- Maximum panel sizes 4' 0" x 16'
- Optimum panel widths 58", 23", 18"
- Optimum panel lengths 83", 84", 67", 45"

WEIGHT

4mm composite panel with extruders attached, average weight of 2.5 pcf

LEED

- Possibly contributes to the following LEED credits
- DD 1.1-4.4- Highly durable or innovative finishes
- MR 4- Recycled content
- MR 5- Regional manufacturing
- MC 2- New Construction Waste Management



WHITE PAINTED METAL PANEL



PARALINE Linear Metal Ceiling System with Field-Applied Custom Paint

Features and Benefits

- Elegant linear metal ceiling system features 12' long metal pans attached to a specially engineered suspension system
- Closed-reveal PARALINE II pans are appropriate for exterior ceiling applications under protected soffits.
- Snap-up design offers unlimited access with minimum plenum depth requirements
- Wind load tested (120 mph) with proper bracing and exterior framing
- Available with perforated pans for PARALINE II for NRC ratings as high as .95 when backed with fiberglass (A-062 perforation pattern only)

Applications

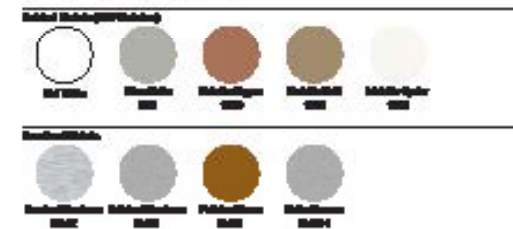
- Exterior soffits
- High-bay areas
- Retail stores
- Transportation terminals

LEED Credits
Recycled Content: Up to 90%

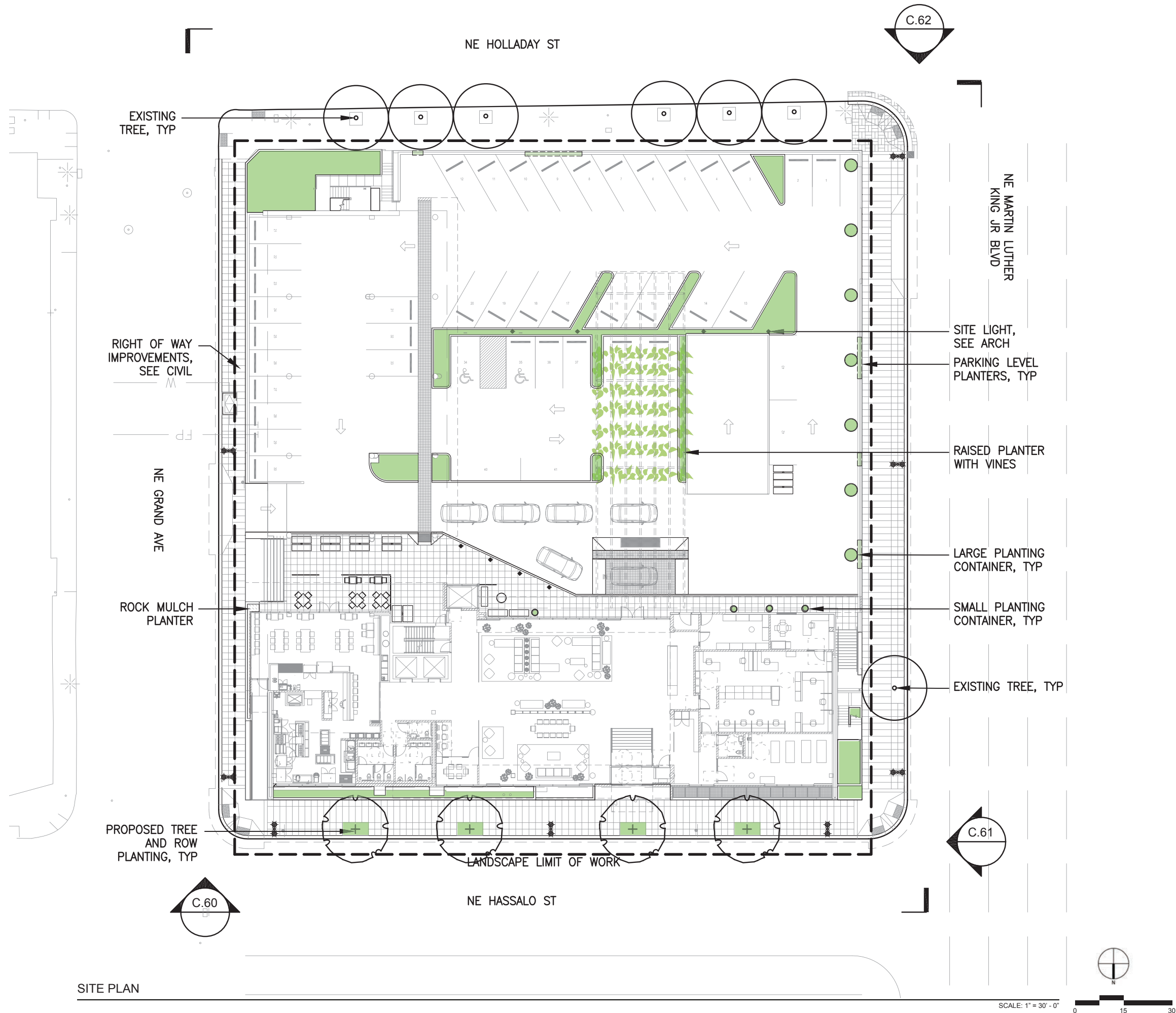
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials	Recycled Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance ¹
•	•	•				•



To order samples, go to paraline.com



Product Information	Materials		Typical Sizes	Finishes
	PARALINE I, II, and III: Aluminum			2'-14" x 12', 7'-14" x 12'
PARALINE II Perforation Pattern			Panel—1/16" perforation 225 o.c., 5% open area (Perforation shown 50% actual size)	
Details	PARALINE I	PARALINE II	PARALINE III	
	PARALINE I ceilings use 3'-14" wide pans with self-finished edges. Once assembled, the pans provide an open reveal for excellent acoustical control (shown in standard by architectural in the plenum).	PARALINE II ceilings maintain the 3'-14" wide pan dimension, but are constructed with integral flanges that extend to form a reveal channel that is appropriate for exterior wall applications. Perforated available.	PARALINE III ceilings have 12'-0" x 7'-14" wide pans for larger-scale applications. Pans have a self-finished edge to provide the same open reveal as PARALINE I with similar acoustical control.	
Perspective				MHI Drywall Suspension System or Common Suspension For PARALINE II/III Ceilings
<p>High Recycled Content Chlorinated polyethylene greater than 80% total recycled content. Mild recycled content based on product composition of post-consumer and pre-consumer (and inherently recycled) per FTC guidelines.</p>				
For More Information	Product literature: paraline.com or 888-274-2398 Call for sales: paraline.com	File with design: MHI, see website paraline.com or 888-274-2398 for 2-hour or 3-hour reinforced or non-reinforced assembly and 3-hour reinforced framing.	Lightweight design: 12'-0" x 7'-14" pans with perforated edge reveal. Standard weight: PARALINE I/II 90% recycled content.	Finishes: 1. For fabric, see paraline.com for product literature. 2. PARALINE I/II/III: mill-finish or field-applied.
	Manufactured by MHI Metals, Inc., 227 West Federal Street, Chicago, IL 60601	The Intelligible Products of PARALINE, Inc. is a related company. Common, PARALINE I, PARALINE II.	Subly Field Filter and safety/retardant glass panes that provide clear view and protection from the elements. Standard construction values apply to metal and insulation.	ICBC Inc. 4-06 05-2009, LEE Industries, Inc. Printed in U.S.A.



SITE PLAN

MAIN LEVEL PLANT LIST

SYMBOL	ABBR	BOTANICAL NAME	COMMON NAME	SIZE/COND/ SPACING	QTY
TREES					
	SJ	Sophora japonica	Japanese Pagoda Tree	3" CAL., B&B as shown	4
BAMBOO AND SHRUBS					
	ASEL	Aspidistra elatior	Cast Iron Plant	#3/CONT/18" O.C.	31
	CRLU	Crocsmia 'Lucifer'	Lucifer Crocsmia	#3/CONT/24" O.C.	21
	CYFA	Cyrtomium falcatum 'Rochfordianum'	Holly Fern	#3/CONT/18" O.C.	15
	DRER	Dryopteris erythorsora 'Brilliance'	Brilliance Autumn Fern	#1/CONT/12" O.C.	32
	FAJA	Fatsia japonica	Japanese Aralia	#3/CONT/42" O.C.	8
	FARO	Fargesia robusta 'Green Screen'	Green Screen Clumping Bamboo	#5/CONT/36" O.C.	9
	MAEU	Mahonia eurybracteata 'Soft Caress'	Soft Caress Mahonia	#3/CONT/36" O.C.	29
	NADO	Nandina Domestica 'Monum'	Plum Passion Heavenly Bamboo	#3/CONT/as shown	4
	PHBA	Phyllostachys bambusoides	Giant Timber Bamboo	#10/CONT/42" O.C.	13
	WIFL	Wisteria floribunda 'Texas Purple'	Texas Purple Japanese Wisteria	#5/CONT/as shown	12
GRASSES, GROUNDCOVERS, AND PERENNIALS					
	CODA	Cotoneaster dammeri 'Streibs Findling'	Streibs Findling Cotoneaster	#1/CONT/24" O.C.	24
	HAMA	Hakonachloa macra	Japanese Forest Grass	#1/CONT/24" O.C.	21
	ISCE	Isolepis cernua	Fiber Optic Grass	#1/CONT/8" O.C.	21
	PAAX	Pachysandra axillaris 'Windcliff'	Windcliff Pachysandra	#1/CONT/18" O.C.	45
	SEDUM	Sedum Mix	Sedum	PRE-GROWN MATS	
PARKING LEVEL PLANTERS					
	AKQU	Akebia quinata 'Shirobana'	White Flowered Chocolate Vine	#3/CONT/72" O.C.	9
	SAPY	Sasa pygmaea	Dwarf Bamboo	#1/CONT/18" O.C.	23

LEGEND

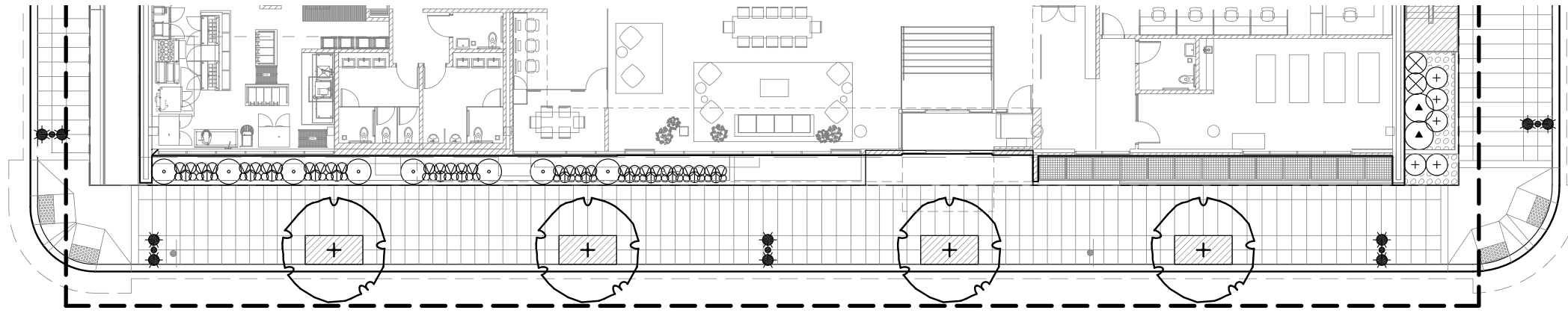
	LIMIT OF WORK
	PROPERTY LINE/RIGHT-OF-WAY
	EXISTING TREE TO REMAIN
	PROPOSED TREE
	DECORATIVE ROCK MULCH
	PLANTING AREA

ABBREVIATIONS

ARCH	ARCHITECTURAL
NIC	NOT IN CONTRACT
PA	PLANTING AREA
STRUC	STRUCTURAL
TYP	TYPICAL
W/	WITH
B&B	BALLED & BURLAPPED
CAL	CALIPER
CONT	CONTAINER
DIA	DIAMETER
HT	HEIGHT
MIN	MINIMUM
MAX	MAXIMUM
NO	NUMBER
O.C.	ON CENTER
SIM	SIMILAR
SL	SEEDED LAWN
SPECS	SPECIFICATIONS
TYP	TYPICAL
#	CONTAINER SIZE

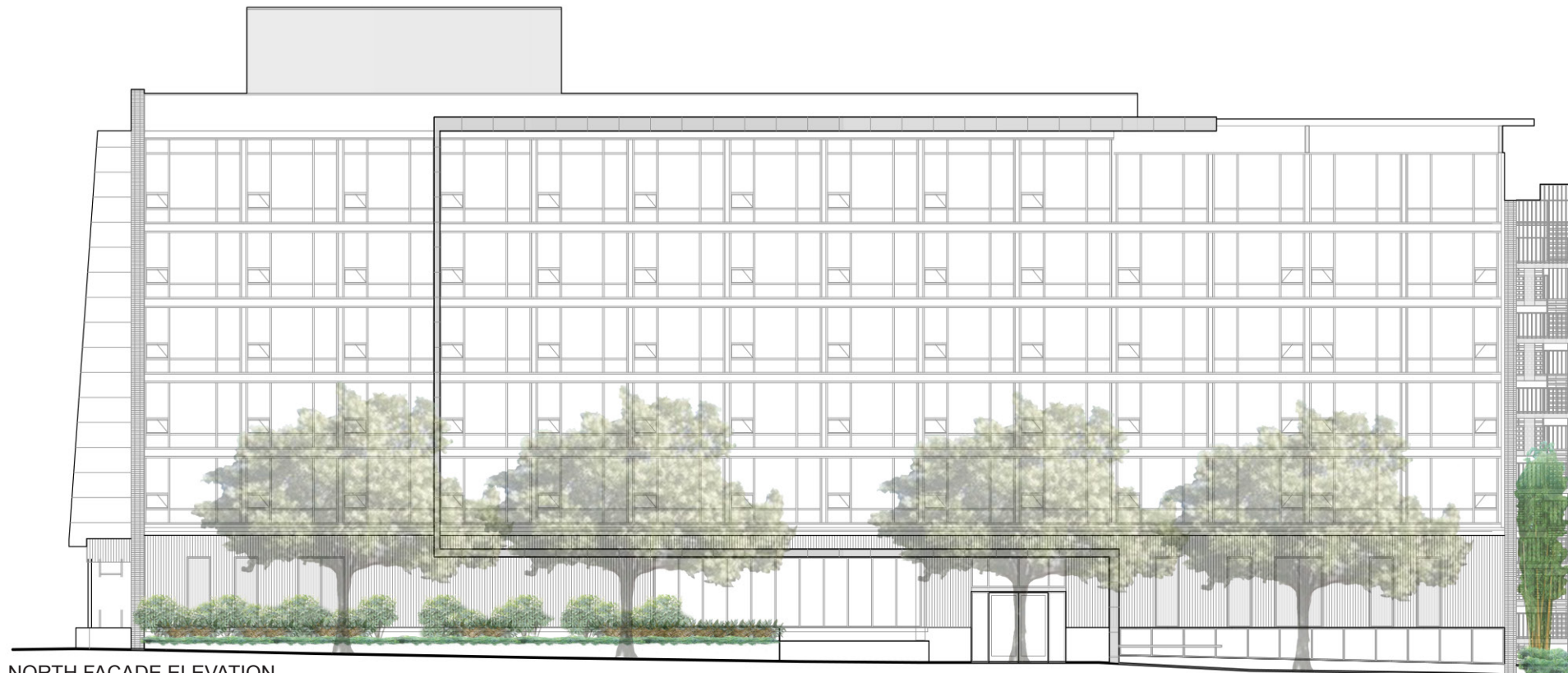
NOTES

1. PROTECT EXISTING VEGETATION TO REMAIN.
2. SEE CIVIL DRAWINGS FOR LOCATION OF UTILITIES.
3. SEE ELECTRICAL DRAWINGS FOR FURTHER INFORMATION REGARDING SITE LIGHTING AND ELECTRIC UTILITIES.
4. SEE ARCH FOR SITE FURNISHINGS.
5. SEE CIVIL DRAWINGS FOR ALL VEHICULAR AREA IMPROVEMENTS, INCLUDING PAVING, CURBS, DRIVEWAY APRONS, STRIPING AND SIGNAGE, AS WELL AS ANY VEHICULAR AND PEDESTRIAN PAVING IMPROVEMENTS WITHIN THE RIGHT-OF-WAY.
6. ALL PLANT MATERIAL SHALL BE NURSERY GROWN, WELL ROOTED, AND WELL BRANCHED. ALL TREES MUST BE FREE OF INSECTS, DISEASES, MECHANICAL INJURY, AND OTHER OBJECTIONABLE FEATURES WHEN PLANTED. ALL PLANT MATERIAL SHALL CONFORM TO "AMERICAN STOCK STANDARDS" LATEST EDITION.
7. ALL PLANT MATERIAL TO BE APPROVED BY LANDSCAPE ARCHITECT.
8. ALL PLANTING AREAS ARE TO BE IRRIGATED WITH EITHER A PERMANENT AUTOMATIC IRRIGATION SYSTEM OR HANDWATERED BY OWNER.



NORTH FACADE PLANTING PLAN

SCALE: 1" = 20' - 0"



NORTH FACADE ELEVATION

SCALE: 1" = 20' - 0"



Sophora japonica
 Japanese Pagoda Tree



Fatsia japonica
 Japanese Aralia



Aspidistra elatior
 Cast Iron Plant



Crytomium falcatum 'Rochfordianum'
 Holly Fern



Dryopteris erythrosora 'Brilliance'
 Brilliance Autumn Fern



Pachysandra axillaris 'Windcliff'
 Windcliff Pachysandra

DESIGN
 REVIEW

07.10.2014

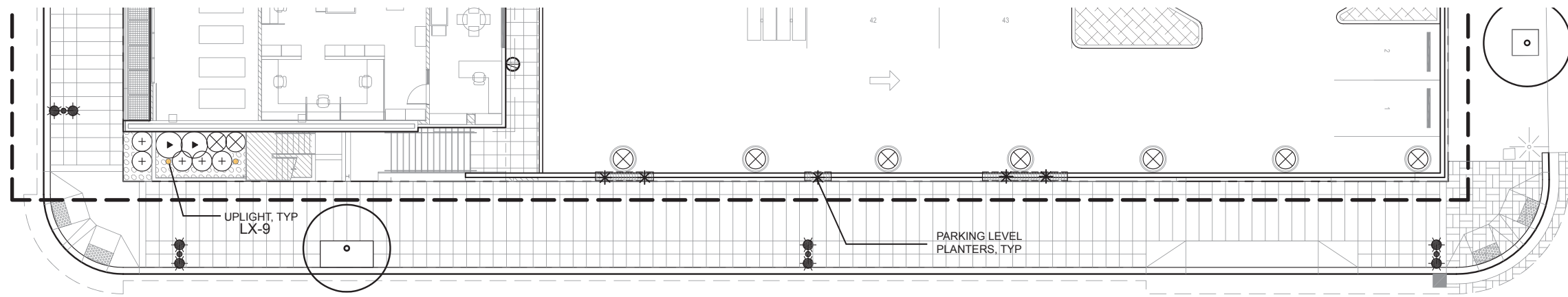
EA 13-232583 DA

Title:

NORTH
 FACADE
 PLANTING

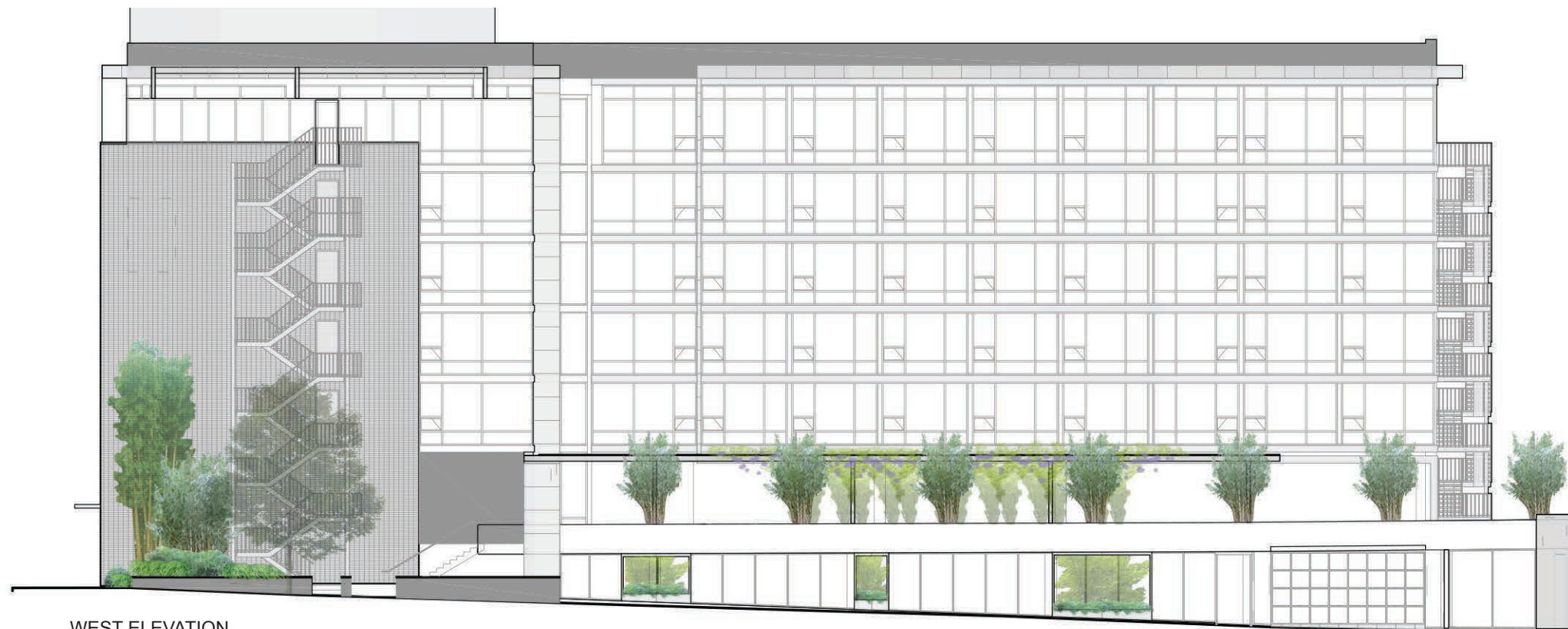
Sheet:

C.60



WEST FACADE PLANTING PLAN

SCALE: 1" = 20' - 0"



WEST ELEVATION

SCALE: 1" = 20' - 0"



Akebia quinata 'Shirobana'
White Flowered Chocolate Vine



Phyllostachys bambusoides
Giant Timber Bamboo



Green Screen Bamboo
Fargesia robusta 'Green Screen'



Mahonia eurybracteata 'Soft Caress'
Soft Caress Mahonia



Japanese Forest Grass
Hakonechloa macra



Sasa pygmaea
Dwarf Bamboo

RED LION HOTEL REMODEL

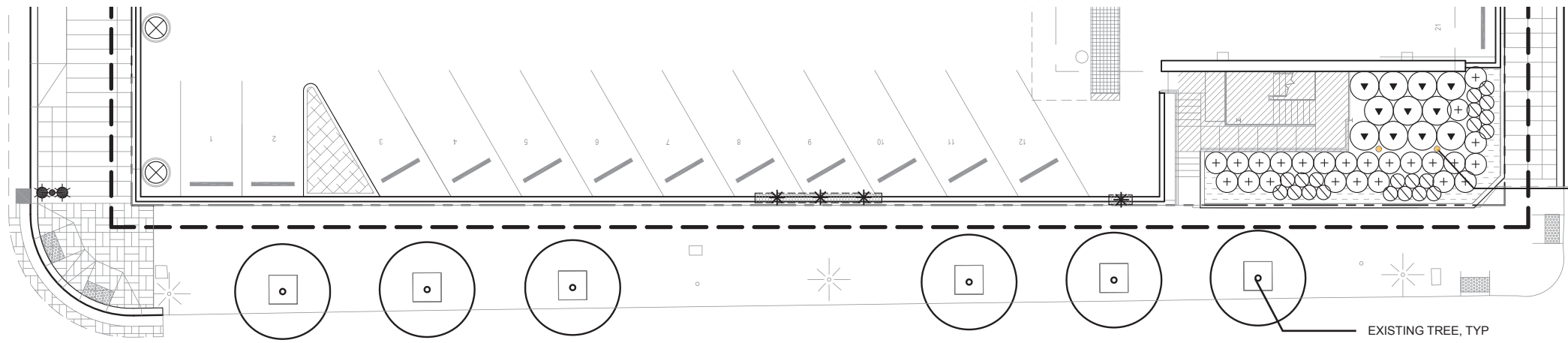
DESIGN
REVIEW

07.10.2014
EA 13-232583 DA

Title:
WEST
FACADE
PLANTING

Sheet:

C.61

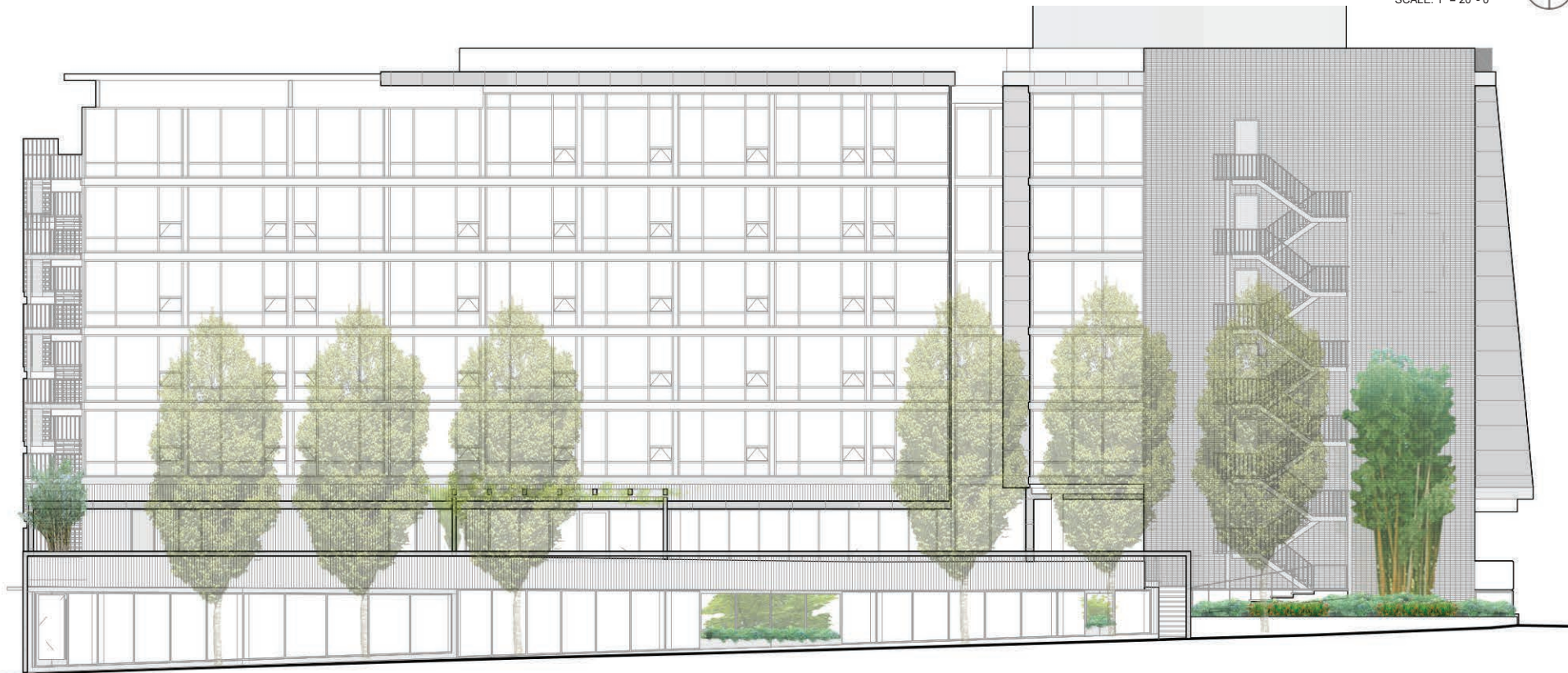


SOUTH FACADE PLANTING PLAN

UPLIGHT, TYP
LX-9

EXISTING TREE, TYP

SCALE: 1" = 20' - 0"



SOUTH ELEVATION

SCALE: 1" = 20' - 0"



Akebia quinata 'Shirobana'
White Flowered Chocolate Vine



Phyllostachys bambusoides
Giant Timber Bamboo



Crocosmia lucifer
Lucifer Crocosmia



Cotoneaster dammeri 'Streibs Findling'
Streibs Findling Cotoneaster



Sasa pygmaea
Dwarf Bamboo

DESIGN
REVIEW

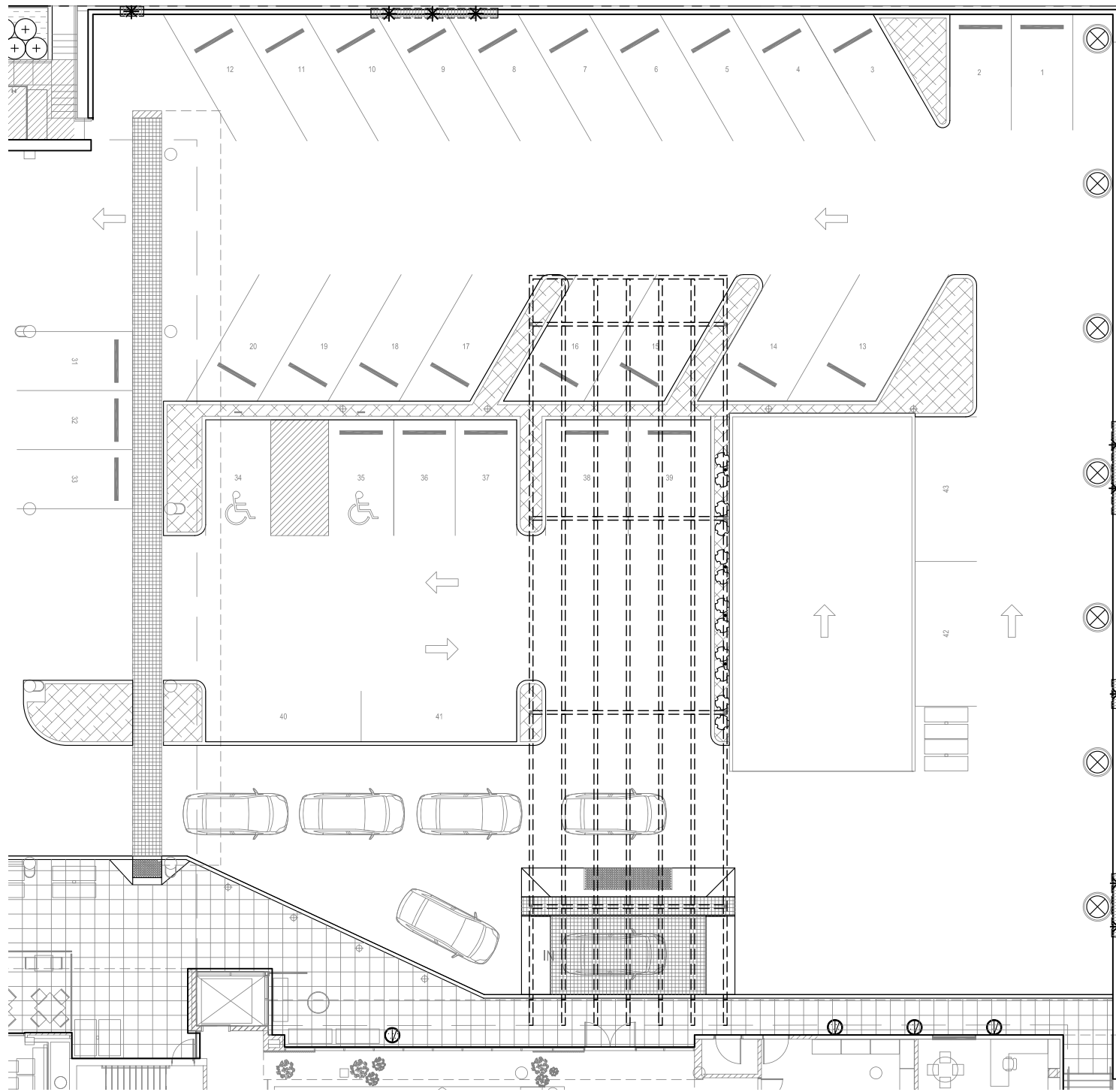
07.10.2014

EA 13-232583 DA

Title:

SOUTH
FACADE
PLANTING

Sheet:



SITE INTERIOR PLANTING PLAN

SCALE: 1" = 20'-0"



Small Planter
ORE Cylindrical Planter



Large Planter
Concrete



Wisteria floribunda 'Texas Purple'
Texas Purple Japanese Wisteria



Green Screen Bamboo
Fargesia robusta 'Green Screen'



Isolepis cernua
Fiber Optic Grass



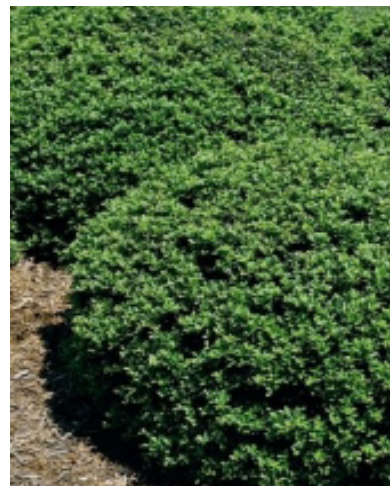
Nandina domestica 'Monum'
Plum Passion Heavenly Bamboo



Sedum Mix



Buxus sempervirens 'Suffruticosa'
Dwarf English Boxwood



Ilex crenata 'Soft Touch'
Soft Touch Compact Holly



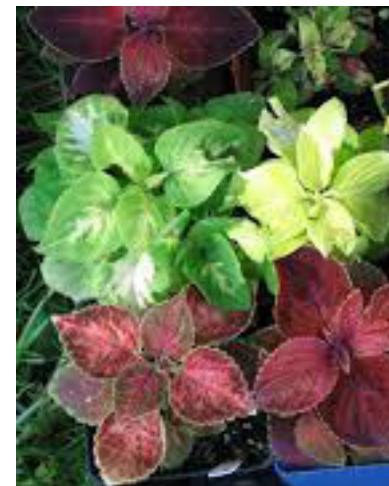
Pittosporum tenuifolium 'Golf Ball'
Golf Ball Kohuhu



Isolepis cernua
Fiber Optic Grass



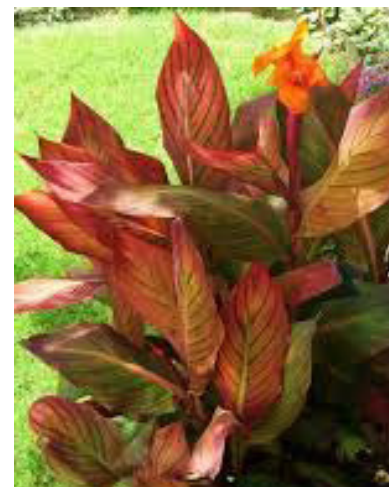
Festuca glauca 'Elijah Blue'
Elijah Blue Fescue



Seasonal Coleus



ORE Rectangular Planter



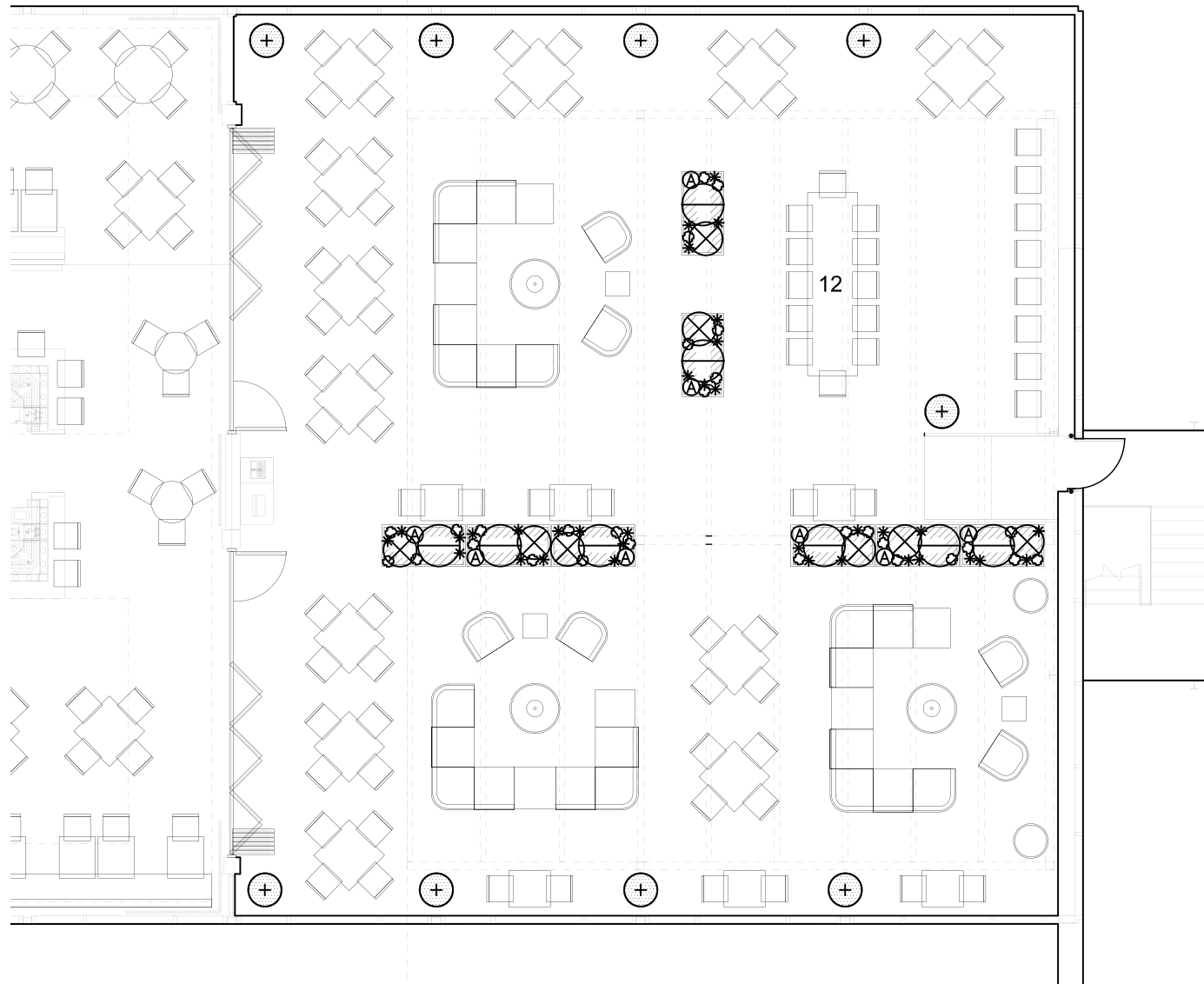
Canna indica 'Phasion'
Tropicanna Canna



Carex trifida 'Rekohu Sunrise'
Variegated Tatakai Grass



ORE Cylindrical Planter



PLANT LIST

SYMBOL	ABBR	BOTANICAL NAME	COMMON NAME	SIZE/COND	SPACING
RECTANGULAR PLANTERS					
⊙	BUSE	Buxus sempervirens 'Suffruticosa'	Dwarf English Boxwood		12" O.C.
*	FEGL	Festuca glauca 'Elijah Blue'	Elijah Blue Fescue	#1/CONT	8" O.C.
⊗	ILCR	Ilex crenata 'Soft Touch'	Soft Touch Compact Holly		24" O.C.
◦	ISCE	Isolepis cernua	Fiber Optic Grass	#1/CONT	8" O.C.
⊖	PITE	Pittosporum tenuifolium 'Golf Ball'	Golf Ball Kohuhu	#3/CONT	30" O.C.
ROUND PLANTERS					
⊕	CAIN	Canna indica 'Phasion'	Tropicanna Canna	#1/CONT	as shown
▨	CATR	Carex trifida 'Rekohu Sunrise'	Variegated Tatakai Grass	#1/CONT	as shown
SEASONAL ANNUALS					
▨	SOSP	Solenostenum Sp.	Coleus Varieties	#1/CONT	as shown
		Others to be determined			

DESIGN REVIEW

07.10.2014

EA 13-232583 DA

Title:

ROOF TERRACE PLANTING

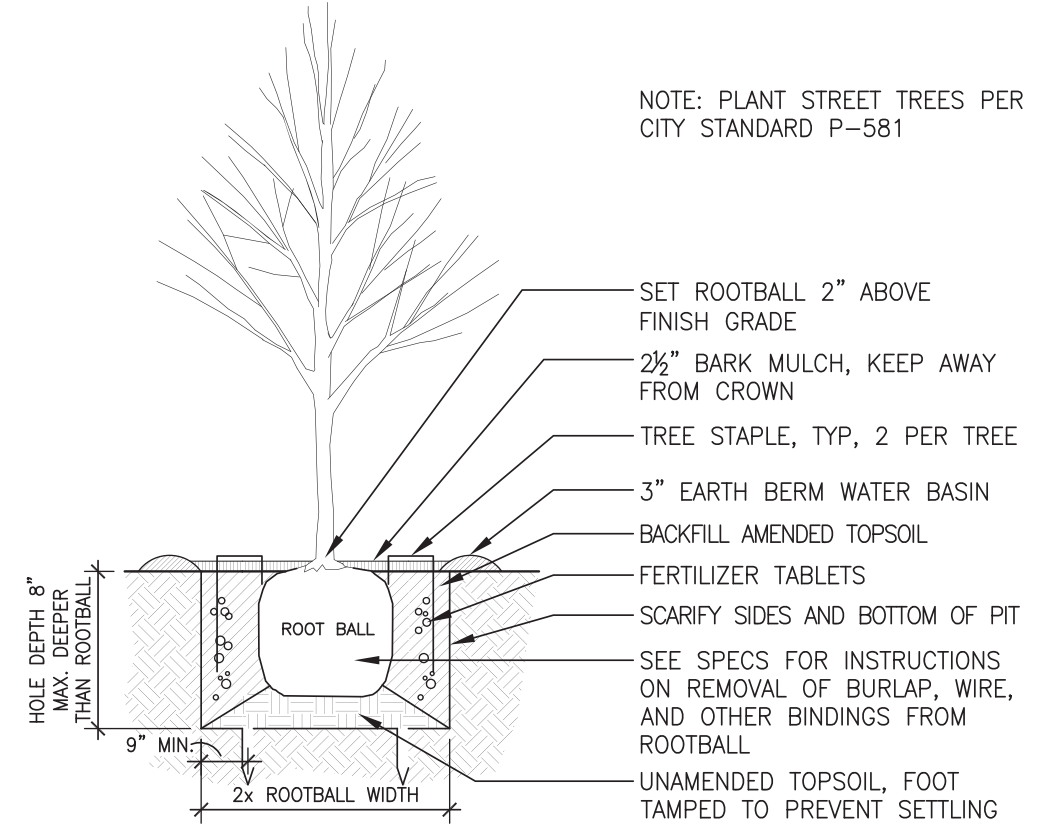
Sheet:

C.64

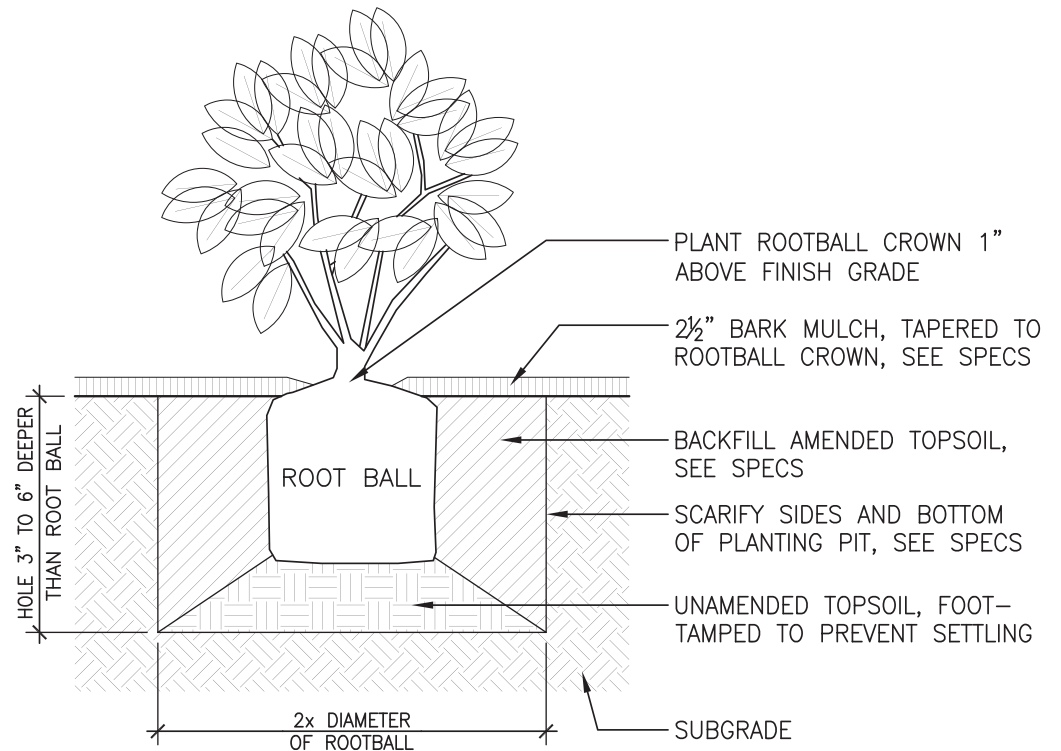
ROOF PLANTING PLAN

SCALE: 1" = 10' - 0"

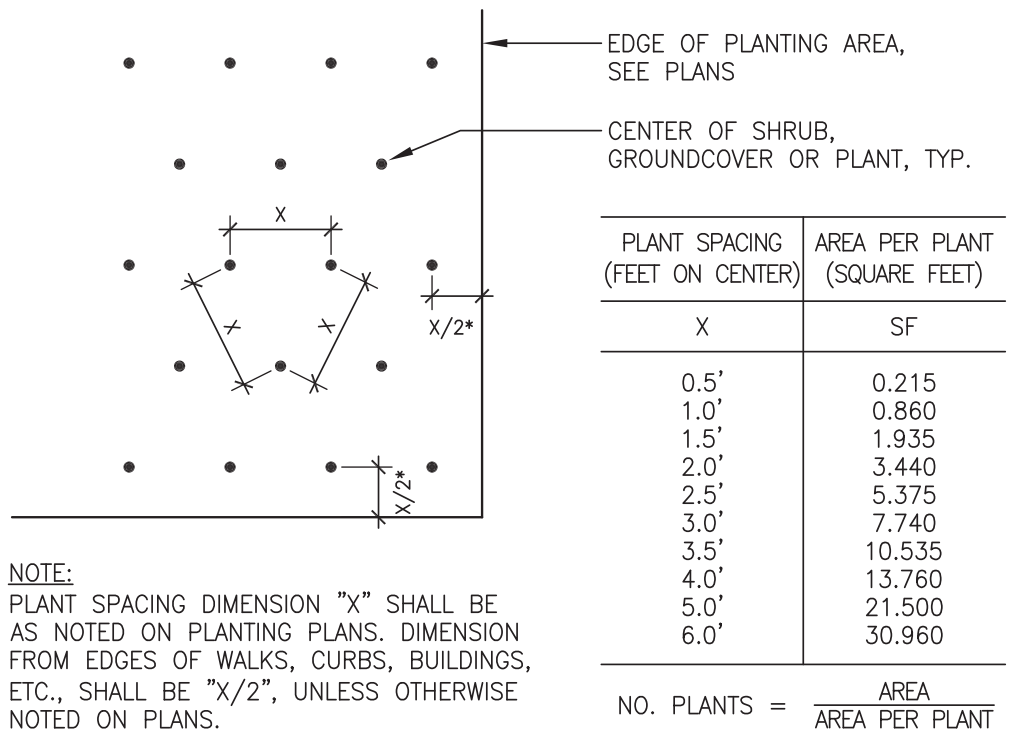




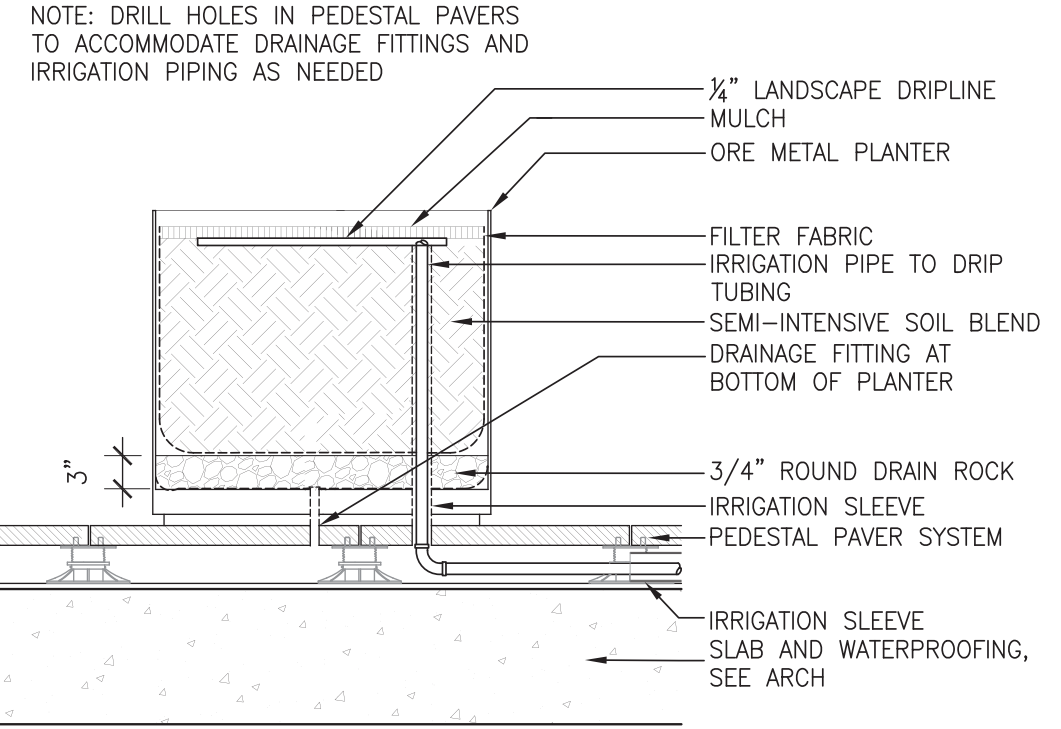
1 DECIDUOUS TREE PLANTING Section NTS



2 SHRUB PLANTING Section NTS



3 GROUNDCOVER SPACING Section NTS






4 PLANTER IRRIGATION Section NTS

GLOSTER COLLECTIONS ABOUT TRADE CONTRACT MEDIA LIFE LIVED




PURE STYLE CLASSIC STYLE VIBE STYLE COLLECTIONS A-Z PRODUCT TYPE

MATERIAL




Vista Centre Unit (Frost) Vista Centre Unit (Tungsten) Vista Corner / End Unit (Frost)




Vista Corner / End Unit (Tungsten) Vista Lounge Chair (Frost) Vista Lounge Chair (Tungsten)

Vista Ottoman (Frost) Vista Ottoman (Tungsten) Vista Square Coffee Table (Frost)

Vista Square Coffee Table (Tungsten) Vista Square Side Table (Frost) Vista Square Side Table (Tungsten)

Keywords

FILTER BY COLLECTION:

- Vista

FILTER BY PRODUCT TYPES:

- Deep Seating (7)
- Occasional Tables (4)

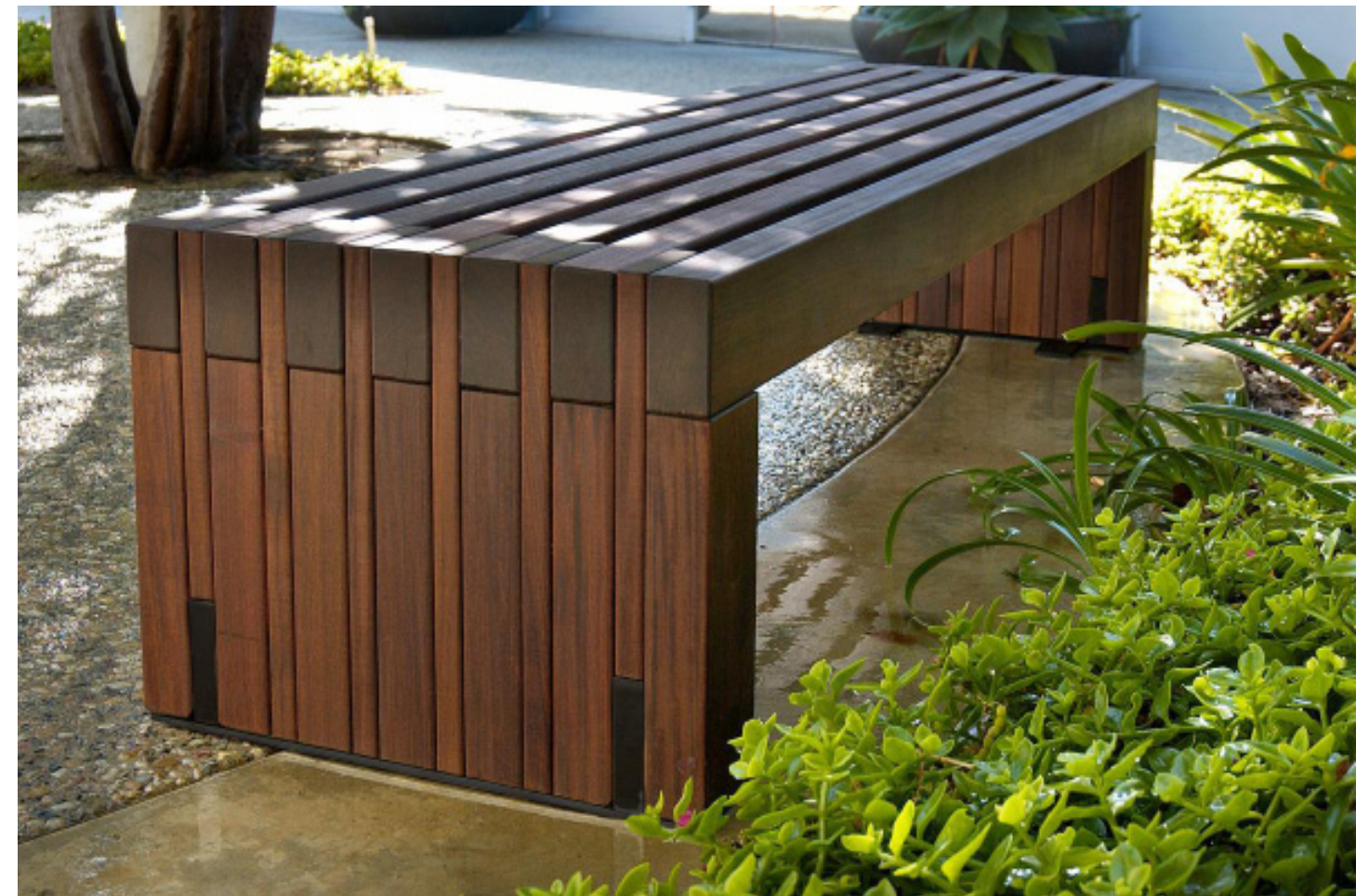
FILTER BY MATERIALS:

- Outdoor Lounge (8)
- Aluminum (4)

FILTER BY CONTENT TYPE:

- Product (12)





Nelson Bench



- + Backless benches attached in 6 foot and 8 foot lengths
- + Seats and legs of solid FSC 100% Ipé hardwood slats
- + Low-maintenance natural oil finish
- + Frontloading or surface mount
- + Fully recyclable

Darbar Bench



- + Backed benches in minimal 6 foot seat lengths
- + Slats in clear anodized aluminum, powdercoated aluminum or FSC 100% Ipé hardwood
- + 18 foot seat lengths available for benches with aluminum slats
- + Cast aluminum frame with a durable powdercoat finish
- + Integral seat supports and optional intermediate supports
- + Frontloading or surface mount
- + High recycled content, fully recyclable

Pacific Bench



- + Backed or backless benches attached in 6 and 12 foot lengths
- + Full back and skirt back options
- + Frame components laser-cut from heavy steel plate
- + For ultimate corrosion resistance, steel components receive an electroplated zinc micascoat and a durable powdercoat finish
- + FSC 100% Ipé hardwood slats
- + Optional "T" shaped armrests can be placed anywhere along the bench
- + Surface mount and frontloading base plate options
- + Fully recyclable



Capital Bike Rack



- + Cast aluminum body with a durable powdercoat finish
- + Multiple locking points
- + Surface mount only
- + High recycled content; fully recyclable



Frammat Bike Rack



- + Cast aluminum body with a durable powdercoat finish
- + Multiple locking points
- + Surface mount only
- + High recycled content; fully recyclable



Trio Bike Rack



- + Cast aluminum body with a durable powdercoat finish
- + Multiple locking points
- + Surface mount only
- + High recycled content; fully recyclable

BIKE RACK

DESIGN REVIEW

04.17.2014

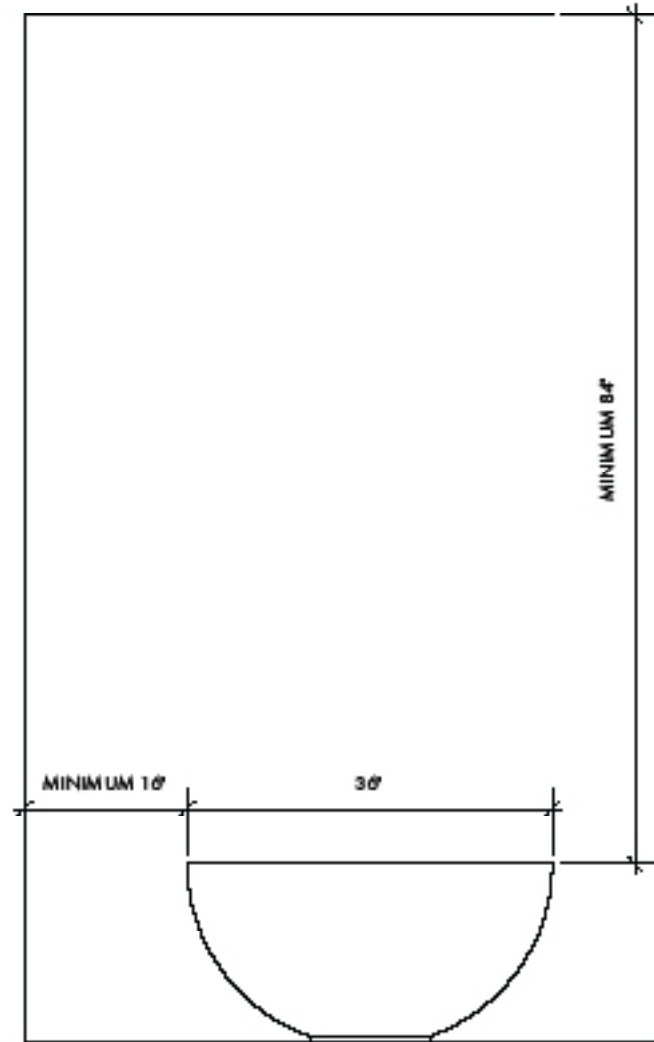
EA 13-232583 DA

Title:

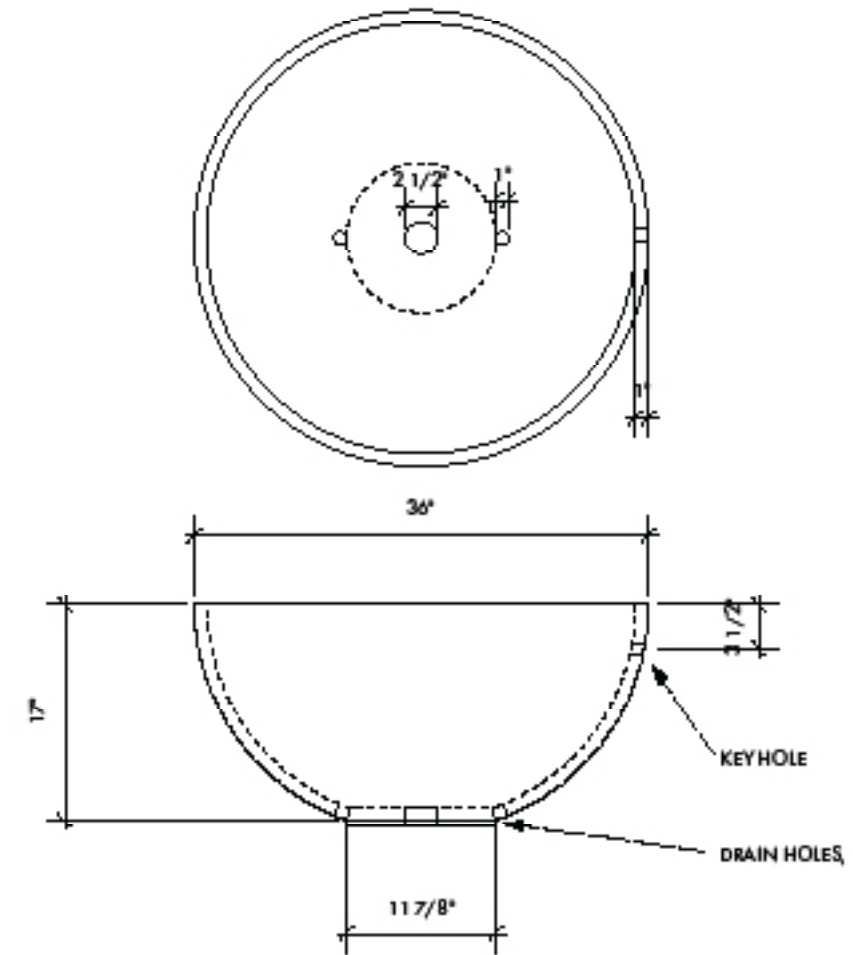
FURNISHINGS

Sheet:

C.68



CLEARANCES to COMBUSTIBLE MATERIALS



OPTIONAL 1" Side Gasline Access Hole
 REQUIRED: Yes _____ NO _____

**Side Gasline Access Hole is ONLY Required IF the Gasline CANNOT enter through the 2.5" Access hole in the bottom of the Firebowl.
 **IF REQUIRED, please check off the YES field above.

ORDER NO. / JOBNAME		PRODUCT: HEMI 36 FIREBOWL	
Signature: _____		COLOUR:	
Date: / /		ACCESSORIES: OTHER: 77,500 BTUs Natural Gas or 82,000 BTUs Propane	

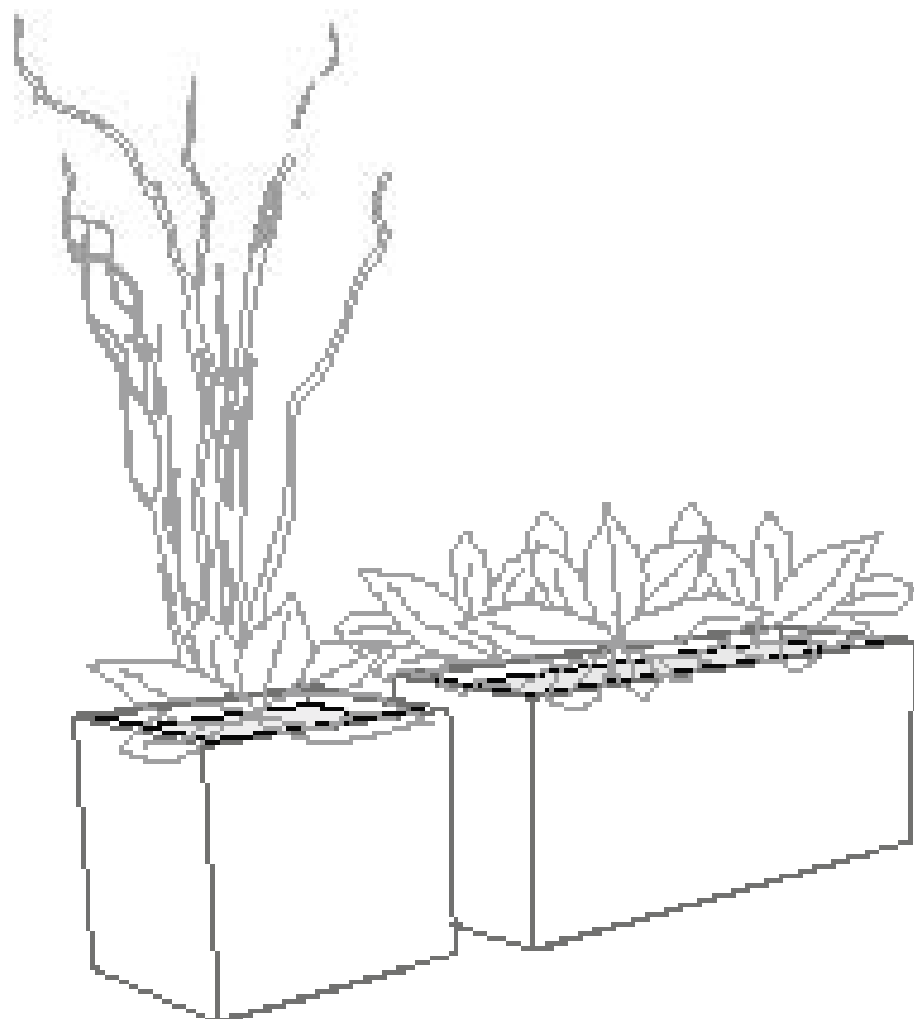
FIRE BOWL



Sustainable Architectural Elements

700 NORTH REDWOOD ROAD, SUITE 200
MOUNTAIN VIEW, COLORADO 80131
303.750.0077
info@holstarchitecture.com
www.holstarchitecture.com

RED LION HOTEL REMODEL



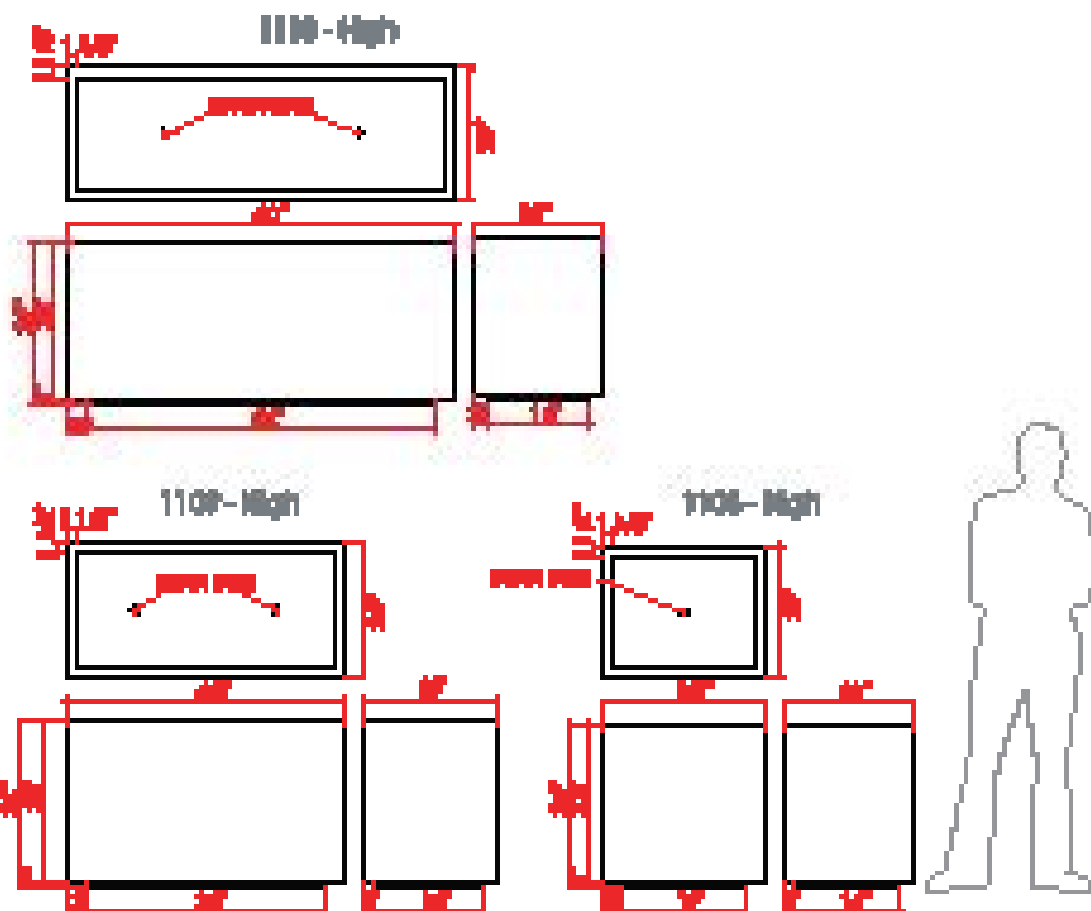
1108/1109/1110 HIGH RECTANGLE

PRODUCT DESCRIPTION: The 1108/1109/1110 High Rectangle planter boxes are made from galvanized steel, with finish and color options to enhance any project. All three and One, Inc.'s galvanized-coated steel, the 1108/1109/1110 containers are built with a locking system that can be used to securely connect any space. All your size requirements for more information on the planter.

1108 HIGH	WEIGHT 71 Lb.	Steel 20 Ga.	Aluminum	CAPACITY 4.1 cu ft	DIMENSION 30" L x 30" W x 34" H
1109 HIGH	WEIGHT 109 Lb.	Steel 16 Ga.	Aluminum	CAPACITY 13.75 cu ft	DIMENSION 48" L x 30" W x 34" H
1110 HIGH	WEIGHT 136 Lb.	Steel 16 Ga.	Aluminum	CAPACITY 15.8 cu ft	DIMENSION 60" L x 30" W x 34" H

Formed of other steel or aluminum, or containers are shaped, welded, powder coated (or electrocoat), and packaged upright at the base of the Mountain View Range in the Lake City, Utah.

SEE SPECIFICATIONS:



1110 - High Rectangle in standard powder coat black.

1108/1109/1110 HIGH RECTANGLE

DESIGN REVIEW

04.17.2014

EA 13-232583 DA

Title:

FURNISHINGS

Sheet:

C.70

NOTES:
 1) All dimensions are in inches unless otherwise specified.
 2) All dimensions are in feet unless otherwise specified.
 3) All dimensions are in millimeters unless otherwise specified.
 4) All dimensions are in centimeters unless otherwise specified.
 5) All dimensions are in meters unless otherwise specified.
 6) All dimensions are in kilometers unless otherwise specified.
 7) All dimensions are in miles unless otherwise specified.
 8) All dimensions are in nautical miles unless otherwise specified.
 9) All dimensions are in light years unless otherwise specified.
 10) All dimensions are in parsecs unless otherwise specified.

NEO-RAY™

DESCRIPTION

A return to simplicity, elegance and minimalism... Slender lines of LED light set in an architectural environment are the essence of Straight and Narrow. This series accommodates most architectural lighting design applications. Generation II environments and new features:

- Extruded housing offers precise in-line appearance and enhanced rigidity
- LED offers a continuous uninterrupted line of light with no shadows
- Flush lay in lens provides clean look and easy maintenance
- IC rated

Catalog #	Type
Project	
Comments	Date
Prepared by	

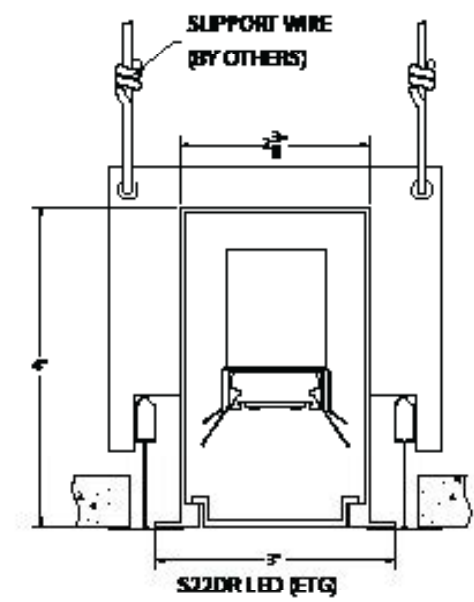
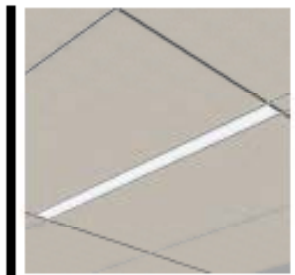
SPECIFICATION FEATURES

Construction
Extruded aluminum housing. Nominal 2", 3", 4", 6" or 8" Ruminated sections. Used in run configuration and/or individual fixtures.

Electrical
(120-277) Voltage electronic driver. Fixtures and electrical components certified to UL and CUL standards. Damp location rated. IC rated. Note: Please consult factory. Fifthlight may not be available in some configured options.

Finish
Durable, low gloss, white, powder coated acrylic. Optional custom finish.

Mounting
Recessed. Specify:
[ETG] 1/8" x 6" Exposed T-grid
[STG] 3/16" Square Slot Grid
[SR] Sheet Rock (Flanged)
[FSR] Flangeless Sheet Rock
[FTG] 3/16" Exposed T-grid



22DR Straight & Narrow LED

- Individual
 - Recessed
 - Direct
- Light Distribution:
Indirect - 45°
Direct - 180°



ORDERING INFORMATION

Sample Number: S22DR-Lens-ETG-10-LED-S22HT

Series S22-Series 22	Light Distribution ED-Direct	Mounting R-Recessed	Light Level LED (nominal) etc. 1-Light Level 1 1000 Lumens, 20.4 Watts (200 Lumens, 7.1 Watts per foot) 2-Light Level 2 2000 Lumens, 37.5 Watts (400 Lumens, 13.3 Watts per foot)	Ceiling Type ETG-1/8" x 6" STG-3/16" Square Slot Grid SR-Sheet Rock FSR-Flangeless Sheet Rock FTG-3/16" Exposed T-grid	Length 2'-0" 3'-0" 4'-0" 5'-0" 6'-0"	Voltage 1-120V 2-277V (1-Universal (2-120-277V)	Driver ED-Electronic Driver ED-Universal Driver	Emergency EM-Emergency Pack (non-removable only) ED-Emergency Circuit
			Lamp Type LED (nominal) L20-LED, 2000lm (nominal with 2000lm light level) L35-LED, 3500lm L40-LED, 4000lm (all 100 to 2000lm light level)					Driver Options None - Standard 120V Universal Driver L20-Fifthlight LED Driver L35-Fifthlight LED Driver L40-Fifthlight LED Driver
							Shielding Options S22-Lay in Satin White Lens S22HT-Lay in Satin White Lens S22HT-Lay in High Transmission Lens S22HT-Lay in High Transmission Lens	

Note:
1. Not all options available. Please consult your local Cooper Lighting representative for availability.
2. Specific driver direction subject to change without notice.



Specifications and Dimensions subject to change without notice. Consult your representative for additional options and details.

AD101000
09/18/2010 01:11:28 PM

LX-1 RECESSED LED

RED LION HOTEL REMODEL

DESIGN REVIEW
04.17.2014

EA 13-232583 DA

Title:

LIGHTING

Sheet:

C.71



KLUŚ

LINE OF LIGHT
without visible LED strips

**OPRAWY
ARCHITEKTONICZNE LED**

www.KlusDesign.eu
Headquarter

**ARCHITECTURAL LED
FIXTURES**

www.KlusDesign.com
USA Department

DESIGN
REVIEW

04.17.2014

EA 13-232583 DA

Title:

LIGHTING

Sheet:

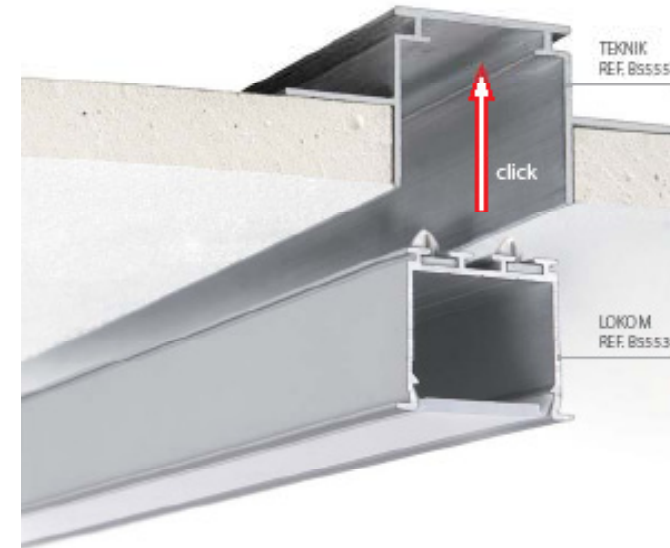
C.72

LX-3 RECESSED LED

TEKNIK, LOKOM

TEKNIK/TEKUS – profil do budowy precyzyjnych gniazd (wpustów), dostosowany do montażu razem z konstrukcjami sufitów i ścian kartonowo-gipsowych.

TEKNIK/TEKUS – profile for the construction of precise grooves (slots), designed for mounting together with the constructions of ceilings and drywall.



TEKNIK REF. B5555

akcesoria podstawowe / basic accessories



styl / clip TEKNIK
REF. 24002

TEKUS REF. B5553

akcesoria podstawowe / basic accessories



styl / clip TEKNIK
REF. 24002

LOKOM

akcesoria podstawowe / basic accessories



styl / clip LOKOM
REF. 24002

akcesoria opcjonalne / optional accessories



kompania L
REF. 24015

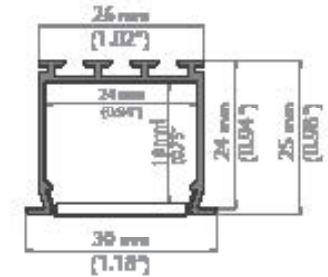
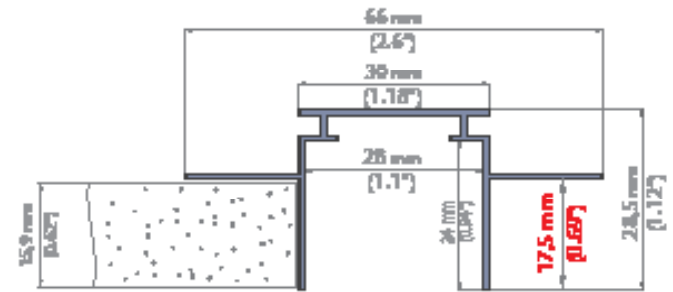
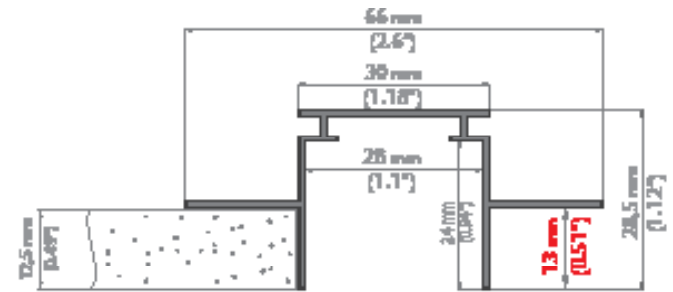
G-L slope fixed
REF. 00415

G-L post/insert
REF. 17056

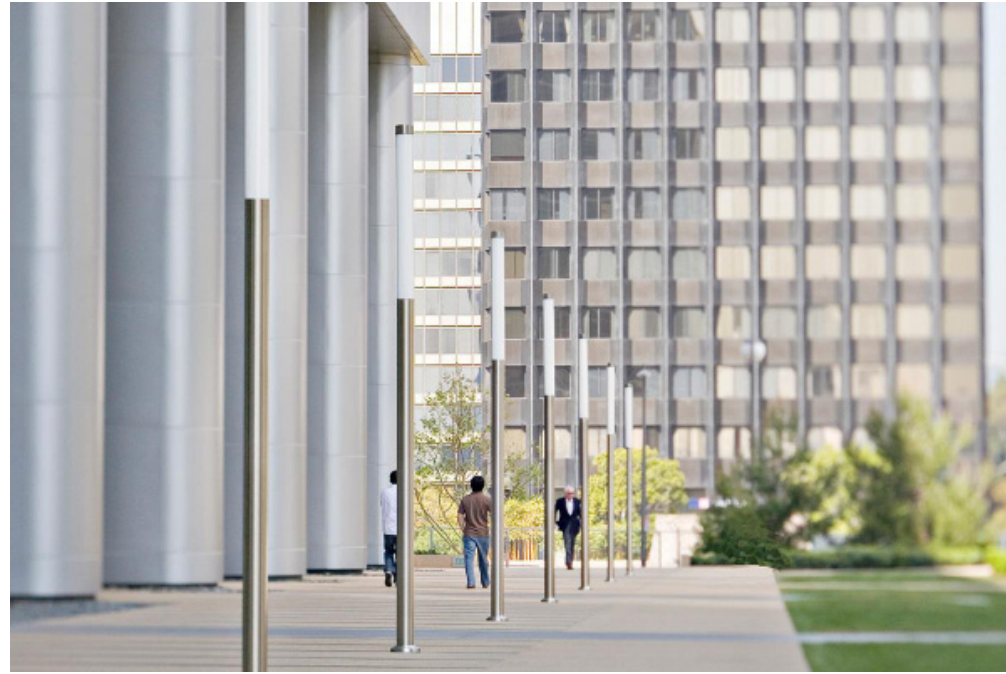
kompania K
REF. 24020

G-K slope fixed
REF. 17057

G-K post/insert
REF. 00415



akcesoria 11 / strona 11



LIGHT COLUMN PEDESTRIAN

PRODUCT DATA



FORMS+SURFACES



LIGHT COLUMN PEDESTRIAN



PRODUCT DATA

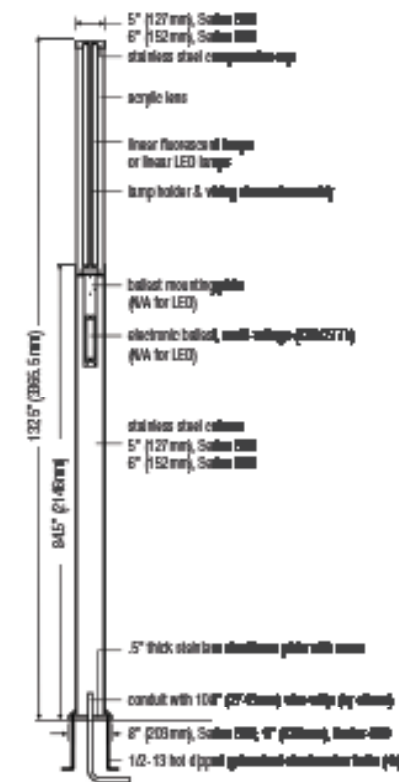
Constructed of stainless steel and available with linear LED or linear fluorescent lamps, Light Column Pedestrian provides simplicity, ruggedness and easy integration into a wide range of exterior settings. The acrylic lens can be specified with no shield for symmetrical lighting or with 180° and 360° shields in standard or custom designs. Light Column Pedestrian is offered in 5" or 6" diameters.

MATERIAL & CONSTRUCTION DETAILS

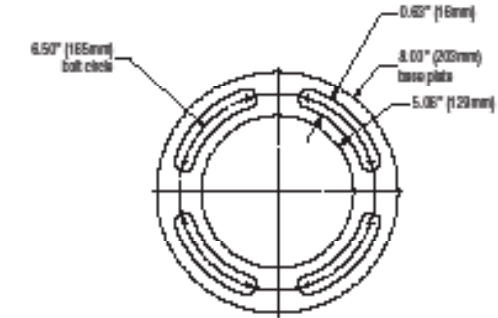
INSTALLATION & MAINTENANCE

COLUMN & LENS	FORM	LAMP	INSTALLATION
<ul style="list-style-type: none"> Stainless 304 columns use 5" (127 mm) diameter 1/2" outer diameter shield; Stainless 304 columns use 6" (152 mm) diameter 1/2" outer diameter shield. Flange consists of a white acrylic lens and stainless steel hand cap. 	<ul style="list-style-type: none"> Standard stainless steel finish to 304. Optional powdercoat colors from the F+S color chart and custom RAL colors are available for an upgrade. 	<ul style="list-style-type: none"> Lamps are linear LED or linear fluorescent. See lamp information on pages 2 and 3. Linear LED lamps are only available in Stainless 304 columns. 	<ul style="list-style-type: none"> Installation is surface mount. Base plate is shielded for additional capability. Necessary hardware and templates are included.
SHIELD	WEIGHT	BALLAST	MAINTENANCE
<ul style="list-style-type: none"> Three standard shield designs are available for an upgrade. Refer to page 2 for details. Custom shield designs with either 180° or 360° coverage are also available. 	<ul style="list-style-type: none"> Stainless 304: 75 lbs (34 kg) Stainless 316: 78 lbs (34 kg) 	<ul style="list-style-type: none"> Electronic, thermally protected (universal input voltage) 120/277V ballasts F32T8, F40T8HD and optional T8 lamps with less than 10% THD & 0°F starting lamp. 	<ul style="list-style-type: none"> Shield surfaces can be cleaned as needed using a soft cloth or brush with warm water and a mild detergent. Avoid abrasive cleaners.

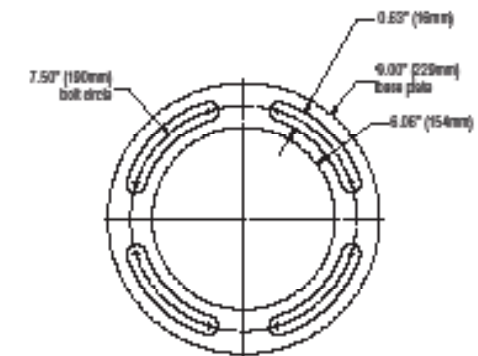
MINIMAL DIMENSIONS



BASE PLATE MOUNTING DETAIL (SERIES 600)



BASE PLATE MOUNTING DETAIL (SERIES 800)



T 003-051-0090 | www.forms-surfaces.com

FORMS+SURFACES

© 2014 Forms+Surfaces® | All dimensions are nominal. Specifications and pricing subject to change without notice. For the most current version of this document, please refer to our website at www.forms-surfaces.com.



LIGHT COLUMN BOLLARD

PRODUCT DATA

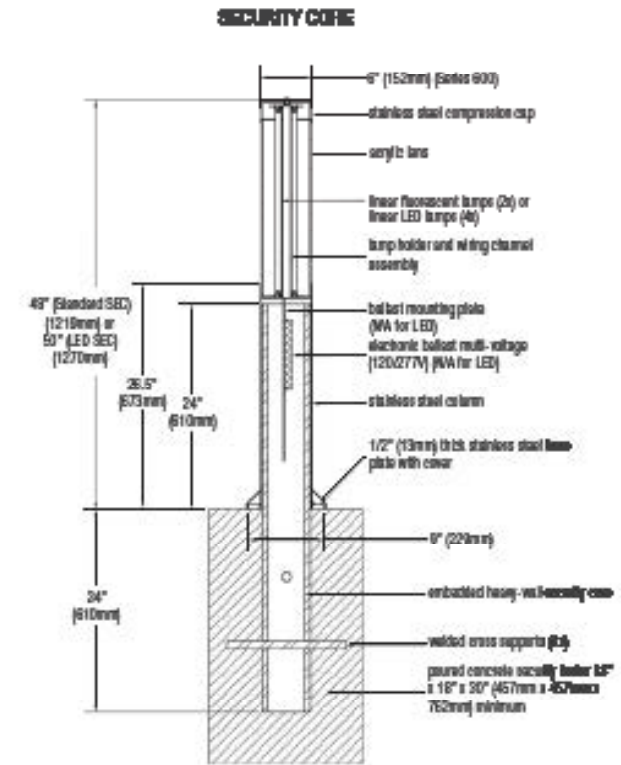
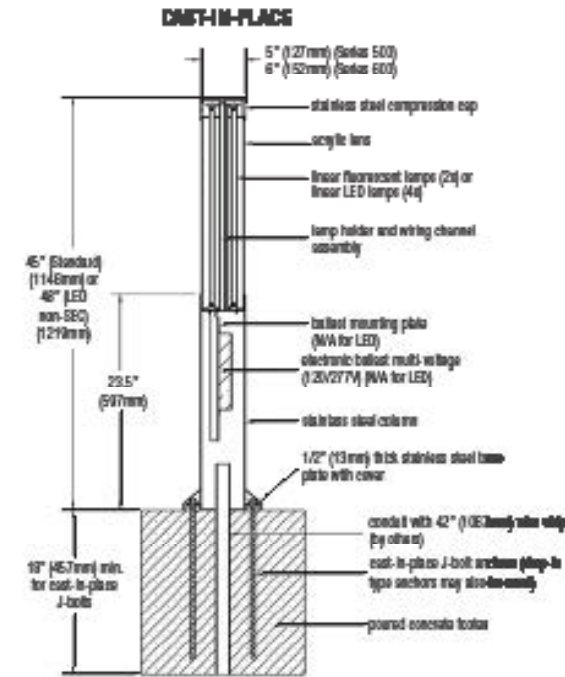


LIGHT COLUMN BOLLARD

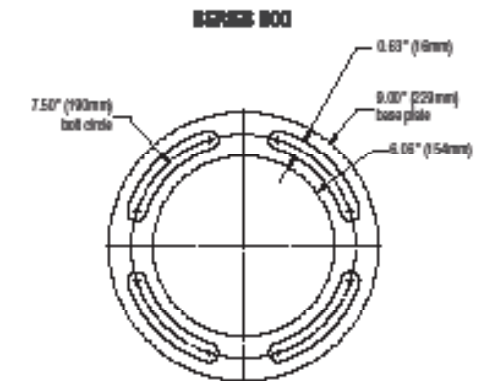
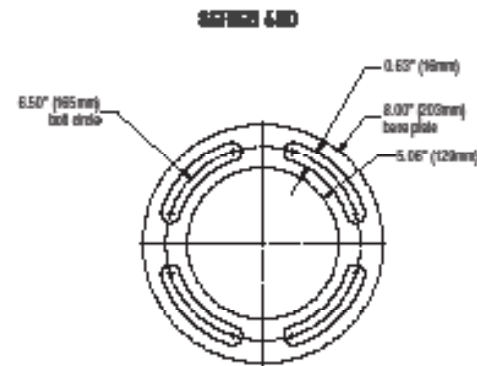


PRODUCT DATA

NOMINAL DIMENSIONS



BASE PLATE MOUNTING DETAILS



Vapor Tight Strip



APPLICATION

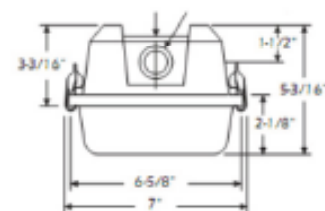
The VTS series is a gasketed luminaire that provides maximum light output with durable construction. It is ideal for both interior and exterior areas that have cold and moist conditions. The primary benefits of this fixture are trouble-free access to ballast and wiring, various mounting options, and stainless steel latches that enhance a firm seal. Primary applications include chilled storage and manufacturing facilities, food processing areas, parking garages, and outdoor overhangs.



FEATURES

- Rugged light gray polycarbonate housing with continuous painted gasket for an airtight seal, keeping out moisture, dust and humidity.
- Utilizes T5 or T8 lamps.
- Impact resistant polycarbonate lens and snap fit stainless steel latches provide airtight seal.
- Suitable for suspension by chain or cable. Can also be surface mounted.
- Captive, stainless steel, snap-action clips secure lens to housing.
- NEC Required Ballast Disconnect is Standard on MV and HV Models
- Name Premium/CIE qualified ballast found standard on most fixture options (Consult factory for details).

DIMENSIONS



ORDERING INFORMATION

VTS SERIES	# OF LAMPS	LAMP TYPE	VOLTAGE	BALLAST TYPE	BALLAST FACTOR	OPTIONS
4' Housing 1-1 Lamp 2-2 Lamp 3-3 Lamp		28-28W T5 32-32W T8 54-54W T5HO	120-120V MV-120/277V HV-347/600V	(Blank)-Instant Start PS-Programmed Start	(Blank)-Normal H-High L-Low	EM5-450 Lumen Battery Backup EM7-700 Lumen Battery Backup EM14-1400 Lumen Battery Backup EM30-3000 Lumen Battery Backup WG-Winguard

ACCESSORIES

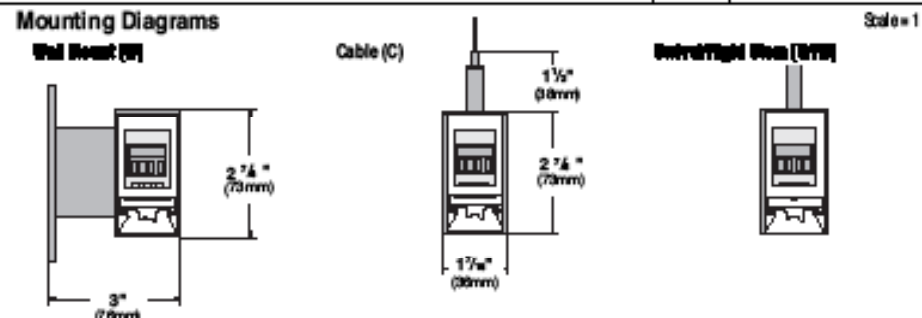
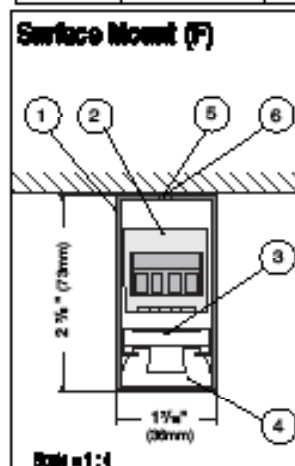
T8 and T5 lamps (all voltages available) CH-35 AC-10
--

M36° LED Linear LED Direct Surface, Pendant & Wall Mount



Project: _____
 Type: _____ Qty: _____
 LSE - _____
 Series Light Engine CCT Shielding Mounting Nominal Length Finish Voltage
 Options

Series	Light Engine	CCT	Shielding	Mounting	Nominal Length	Finish	Voltage	Options
LM M36 LED	1L35	100% Output	30 3000K	LW LED optimized white lens	F Surface Mount	WH White	120	DIML Dimming 0-10V LogiMetric
	1L36	95% Output	35 3600K	Clear Lens with Microprism	C Cable	BLK Black	277	DIMB Dimming Eco-System Dimming
	1L37	70% Output	40 4000K	LMU asymmetric 20° Wall Washer	B Bezel Glass	GY Grey		DIMC Dimming 3-Wire Dimming
	1L38	85% Output		LMU asymmetric 20° Wall Washer	FB Right Glass	SP Spectra Premium Color		DIMD Dimming Addressable (DALI) Dimming
	1L39	85% Output		LMU asymmetric 5° Wall Washer	W Wall Mount			DL Deep Location



- Housing** - Continuous, 6000-T8 extruded aluminum profile up to 12 feet long, joined with Co resistor. The joining system for ease of installation and to ensure a uniform appearance.
- Driver** - All drivers are Electronic Class 2, universal 120V/277V Input, Standard Driver to Dimming 0-10V, linear or non-dimming depending on model. Other drivers are Lutron A-Series (DALI, DMX), and 0-10V LogiMetric (DALI) or DALI (DMX) dimming may be specified as well. TB lamp has a suction A-C dimming driver.
- Shielding** - LED optimized and impact resistant white acrylic lenses, clear impact resistant acrylic lens with micro prisms in lens, clear impact resistant acrylic lens, clear impact resistant acrylic 5° asymmetrical LMO lens or clear impact resistant acrylic 20° asymmetrical LMO lens.
- 2 1/2" Feed Hole** - Drilled at factory 2 1/2" (63mm) from end of fixture.
- 2 1/2" Mounting Hole (1)** - Drilled at factory 2 1/2" from end of fixture and nominally every 24" Mounting hardware supplied and installed by others.

Selux Corp. © 2013
 TEL (949) 894-1400
 FAX (949) 894-1401
 WWW.SELUX.COM
 L38-013-01 (1-4-13)

Underwrite Affiliated with IESNA Level 999
 NRTL Listed for Deep Location (See UL, C844)

As a manufacturer to offer the best product possible, we reserve the right to change, without notice, specifications or materials that are necessary to meet the function of the product. Specifications sheets found at www.selux.com are the most current versions and supersede all other printed or electronic versions.

DESCRIPTION

592 Series LED Trims - 5-inch Aperture Reflectors - are integral elements in the Halo ML58 LED Downlighting System. ML58 LED System is a series of modular LED Light Modules for use with dedicated 5" or 6" ML58 LED Trims. The ML58 LED Trims in 5" and 6" aperture sizes are designed to fit Halo, All-Pro and others 5" or 6" recessed housings. The ML58 system is suitable for new construction, remodel or retrofit installation.

SPECIFICATION FEATURES

592 Series LED Trims are 5-inch aperture reflectors offered in Specular Clear, Haze (Semi-Specular Clear), and White (Matte White). 592 Series Reflectors also feature recess white side flange. The precision spec aluminum reflector provides excellent optical performance. The 592 reflectors may be used in most standard height 5-inch aperture recessed housings; Halo, All-Pro, and more (refer to ML58 LED Light Module specifications for details).

- For use with ML58 Series LED Light modules
- For use in standard housings
- Reflectors with self-flange
- Wet location shower rated with ML58 LED Light Modules
- Torque springs pull trim and light module tight to ceiling
- ML58 reflector trims and modules meet any housing AIAA-TITE™ (ASTM E282)

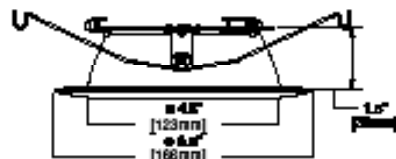
Compatible with ML58 LED System of LED Downlight Light Modules

592 Series - 500lm	5" or 6" LED Retrofit Downlight Engine, 400lm, 80CRI
ML580027	5" or 6" LED Retrofit Downlight Engine, 400lm, 80CRI
ML580030	5" or 6" LED Retrofit Downlight Engine, 400lm, 80CRI
ML580036	5" or 6" LED Retrofit Downlight Engine, 400lm, 80CRI
ML580040	5" or 6" LED Retrofit Downlight Engine, 400lm, 80CRI

592 Series - 800lm	5" or 6" LED Retrofit Downlight Engine, 800lm, 80CRI
ML580027	5" or 6" LED Retrofit Downlight Engine, 800lm, 80CRI
ML580030	5" or 6" LED Retrofit Downlight Engine, 800lm, 80CRI
ML580036	5" or 6" LED Retrofit Downlight Engine, 800lm, 80CRI
ML580040	5" or 6" LED Retrofit Downlight Engine, 800lm, 80CRI

592 Series - 1000lm	5" or 6" LED Retrofit Downlight Engine, 1000lm, 80CRI
ML580027	5" or 6" LED Retrofit Downlight Engine, 1000lm, 80CRI
ML580030	5" or 6" LED Retrofit Downlight Engine, 1000lm, 80CRI
ML580036	5" or 6" LED Retrofit Downlight Engine, 1000lm, 80CRI
ML580040	5" or 6" LED Retrofit Downlight Engine, 1000lm, 80CRI

592 Series - 1600lm	5" or 6" LED Retrofit Downlight Engine, 1600lm, 80CRI
ML580027	5" or 6" LED Retrofit Downlight Engine, 1600lm, 80CRI
ML580030	5" or 6" LED Retrofit Downlight Engine, 1600lm, 80CRI
ML580036	5" or 6" LED Retrofit Downlight Engine, 1600lm, 80CRI
ML580040	5" or 6" LED Retrofit Downlight Engine, 1600lm, 80CRI



ORDERING INFORMATION

SAMPLE NUMBER: 082C

Trim	Finish	Accessory
592-5" Reflector	SC-Specular Clear, White Flange H-Haze (Semi-Specular), White Flange W-White (Matte White), White Flange	FRAMINGKIT: 5" LED Downlight Trim Flange for use with all 5" series trims, 5/8" LED, 7/8" LED. Flange slips over LED trim. Insert design allows 5" trim to fit into metric diameter on spec trim surface.

*Wall Mount Trim available with 592 Series in combination with FramingKit White Reflector for the best adjustment of the wall mount effect. The FRAMINGKIT and FRAMINGKIT are FramingKit White Reflector and separately for addition to the Wall Mount Trim when a straight or corner wall needs to be created, or for replacement of original trim reflector installed with the trim.

Make Specifications and Dimensions subject to change without notice.

Visit our web site at www.coplighting.com

Distributor First Contact: 1121 Highway 74 South Peachtree City, GA 30088 770.486.4894 FAX 770.486.4801
 Cooper Lighting 5925 Midwayville Rd. Midwayville, Columbia, South Carolina LER 299 985.807.8888 FAX 843.688.7088



HALO

Catalog #	Type
Project	
Comments	Date
Prepared by	



592EC



592H



592W

592 Series LED Trim

5-inch Reflector

For use with Halo ML58 LED System



ADJ121622
May 2, 2014 1:48 PM

HALO

Catalog #	Type
Project	
Comments	Date
Prepared by	



ML58 LED System

800 Series / 80 CRI

- ML580027
- ML580030
- ML580036
- ML580040

5-inch and 6-inch 800 Lumen LED Light Module for New Construction, Remodel and Retrofit

For use with 5" and 6" Series Trims

FOR USE IN INSULATED CEILING AND NON-INSULATED CEILING PATED HOUSINGS

HIGH EFFICIENCY LED WITH INTEGRAL DRIVER - DIMMABLE

ENERGY STAR

ML58 800lm Series
 (Meets all ENERGY STAR ceiling light requirements)
 Minimum Rating: 80lm (80lm)
 ENERGY STAR V10, V11, V12, V13, V14, V15, V16, V17, V18, V19, V20, V21, V22, V23, V24, V25, V26, V27, V28, V29, V30, V31, V32, V33, V34, V35, V36, V37, V38, V39, V40, V41, V42, V43, V44, V45, V46, V47, V48, V49, V50, V51, V52, V53, V54, V55, V56, V57, V58, V59, V60, V61, V62, V63, V64, V65, V66, V67, V68, V69, V70, V71, V72, V73, V74, V75, V76, V77, V78, V79, V80, V81, V82, V83, V84, V85, V86, V87, V88, V89, V90, V91, V92, V93, V94, V95, V96, V97, V98, V99, V100, V101, V102, V103, V104, V105, V106, V107, V108, V109, V110, V111, V112, V113, V114, V115, V116, V117, V118, V119, V120, V121, V122, V123, V124, V125, V126, V127, V128, V129, V130, V131, V132, V133, V134, V135, V136, V137, V138, V139, V140, V141, V142, V143, V144, V145, V146, V147, V148, V149, V150, V151, V152, V153, V154, V155, V156, V157, V158, V159, V160, V161, V162, V163, V164, V165, V166, V167, V168, V169, V170, V171, V172, V173, V174, V175, V176, V177, V178, V179, V180, V181, V182, V183, V184, V185, V186, V187, V188, V189, V190, V191, V192, V193, V194, V195, V196, V197, V198, V199, V200, V201, V202, V203, V204, V205, V206, V207, V208, V209, V210, V211, V212, V213, V214, V215, V216, V217, V218, V219, V220, V221, V222, V223, V224, V225, V226, V227, V228, V229, V230, V231, V232, V233, V234, V235, V236, V237, V238, V239, V240, V241, V242, V243, V244, V245, V246, V247, V248, V249, V250, V251, V252, V253, V254, V255, V256, V257, V258, V259, V260, V261, V262, V263, V264, V265, V266, V267, V268, V269, V270, V271, V272, V273, V274, V275, V276, V277, V278, V279, V280, V281, V282, V283, V284, V285, V286, V287, V288, V289, V290, V291, V292, V293, V294, V295, V296, V297, V298, V299, V300, V301, V302, V303, V304, V305, V306, V307, V308, V309, V310, V311, V312, V313, V314, V315, V316, V317, V318, V319, V320, V321, V322, V323, V324, V325, V326, V327, V328, V329, V330, V331, V332, V333, V334, V335, V336, V337, V338, V339, V340, V341, V342, V343, V344, V345, V346, V347, V348, V349, V350, V351, V352, V353, V354, V355, V356, V357, V358, V359, V360, V361, V362, V363, V364, V365, V366, V367, V368, V369, V370, V371, V372, V373, V374, V375, V376, V377, V378, V379, V380, V381, V382, V383, V384, V385, V386, V387, V388, V389, V390, V391, V392, V393, V394, V395, V396, V397, V398, V399, V400, V401, V402, V403, V404, V405, V406, V407, V408, V409, V410, V411, V412, V413, V414, V415, V416, V417, V418, V419, V420, V421, V422, V423, V424, V425, V426, V427, V428, V429, V430, V431, V432, V433, V434, V435, V436, V437, V438, V439, V440, V441, V442, V443, V444, V445, V446, V447, V448, V449, V450, V451, V452, V453, V454, V455, V456, V457, V458, V459, V460, V461, V462, V463, V464, V465, V466, V467, V468, V469, V470, V471, V472, V473, V474, V475, V476, V477, V478, V479, V480, V481, V482, V483, V484, V485, V486, V487, V488, V489, V490, V491, V492, V493, V494, V495, V496, V497, V498, V499, V500, V501, V502, V503, V504, V505, V506, V507, V508, V509, V510, V511, V512, V513, V514, V515, V516, V517, V518, V519, V520, V521, V522, V523, V524, V525, V526, V527, V528, V529, V530, V531, V532, V533, V534, V535, V536, V537, V538, V539, V540, V541, V542, V543, V544, V545, V546, V547, V548, V549, V550, V551, V552, V553, V554, V555, V556, V557, V558, V559, V560, V561, V562, V563, V564, V565, V566, V567, V568, V569, V570, V571, V572, V573, V574, V575, V576, V577, V578, V579, V580, V581, V582, V583, V584, V585, V586, V587, V588, V589, V590, V591, V592, V593, V594, V595, V596, V597, V598, V599, V600, V601, V602, V603, V604, V605, V606, V607, V608, V609, V610, V611, V612, V613, V614, V615, V616, V617, V618, V619, V620, V621, V622, V623, V624, V625, V626, V627, V628, V629, V630, V631, V632, V633, V634, V635, V636, V637, V638, V639, V640, V641, V642, V643, V644, V645, V646, V647, V648, V649, V650, V651, V652, V653, V654, V655, V656, V657, V658, V659, V660, V661, V662, V663, V664, V665, V666, V667, V668, V669, V670, V671, V672, V673, V674, V675, V676, V677, V678, V679, V680, V681, V682, V683, V684, V685, V686, V687, V688, V689, V690, V691, V692, V693, V694, V695, V696, V697, V698, V699, V700, V701, V702, V703, V704, V705, V706, V707, V708, V709, V710, V711, V712, V713, V714, V715, V716, V717, V718, V719, V720, V721, V722, V723, V724, V725, V726, V727, V728, V729, V730, V731, V732, V733, V734, V735, V736, V737, V738, V739, V740, V741, V742, V743, V744, V745, V746, V747, V748, V749, V750, V751, V752, V753, V754, V755, V756, V757, V758, V759, V760, V761, V762, V763, V764, V765, V766, V767, V768, V769, V770, V771, V772, V773, V774, V775, V776, V777, V778, V779, V780, V781, V782, V783, V784, V785, V786, V787, V788, V789, V790, V791, V792, V793, V794, V795, V796, V797, V798, V799, V800, V801, V802, V803, V804, V805, V806, V807, V808, V809, V810, V811, V812, V813, V814, V815, V816, V817, V818, V819, V820, V821, V822, V823, V824, V825, V826, V827, V828, V829, V830, V831, V832, V833, V834, V835, V836, V837, V838, V839, V840, V841, V842, V843, V844, V845, V846, V847, V848, V849, V850, V851, V852, V853, V854, V855, V856, V857, V858, V859, V860, V861, V862, V863, V864, V865, V866, V867, V868, V869, V870, V871, V872, V873, V874, V875, V876, V877, V878, V879, V880, V881, V882, V883, V884, V885, V886, V887, V888, V889, V890, V891, V892, V893, V894, V895, V896, V897, V898, V899, V900, V901, V902, V903, V904, V905, V906, V907, V908, V909, V910, V911, V912, V913, V914, V915, V916, V917, V918, V919, V920, V921, V922, V923, V924, V925, V926, V927, V928, V929, V930, V931, V932, V933, V934, V935, V936, V937, V938, V939, V940, V941, V942, V943, V944, V945, V946, V947, V948, V949, V950, V951, V952, V953, V954, V955, V956, V957, V958, V959, V960, V961, V962, V963, V964, V965, V966, V967, V968, V969, V970, V971, V972, V973, V974, V975, V976, V977, V978, V979, V980, V981, V982, V983, V984, V985, V986, V987, V988, V989, V990, V991, V992, V993, V994, V995, V996, V997, V998, V999, V1000, V1001, V1002, V1003, V1004, V1005, V1006, V1007, V1008, V1009, V1010, V1011, V1012, V1013, V1014, V1015, V1016, V1017, V1018, V1019, V1020, V1021, V1022, V1023, V1024, V1025, V1026, V1027, V1028, V1029, V1030, V1031, V1032, V1033, V1034, V1035, V1036, V1037, V1038, V1039, V1040, V1041, V1042, V1043, V1044, V1045, V1046, V1047, V1048, V1049, V1050, V1051, V1052, V1053, V1054, V1055, V1056, V1057, V1058, V1059, V1060, V1061, V1062, V1063, V1064, V1065, V1066, V1067, V1068, V1069, V1070, V1071, V1072, V1073, V1074, V1075, V1076, V1077, V1078, V1079, V1080, V1081, V1082, V1083, V1084, V1085, V1086, V1087, V1088, V1089, V1090, V1091, V1092, V1093, V1094, V1095, V1096, V1097, V1098, V1099, V1100, V1101, V1102, V1103, V1104, V1105, V1106, V1107, V1108, V1109, V1110, V1111, V1112, V1113, V1114, V1115, V1116, V1117, V1118, V1119, V1120, V1121, V1122, V1123, V1124, V1125, V1126, V1127, V1128, V1129, V1130, V1131, V1132, V1133, V1134, V1135, V1136, V1137, V1138, V1139, V1140, V1141, V1142, V1143, V1144, V1145, V1146, V1147, V1148, V1149, V1150, V1151, V1152, V1153, V1154, V1155, V1156, V1157, V1158, V1159, V1160, V1161, V1162, V1163, V1164, V1165, V1166, V1167, V1168, V1169, V1170, V1171, V1172, V1173, V1174, V1175, V1176, V1177, V1178, V1179, V1180, V1181, V1182, V1183, V1184, V1185, V1186, V1187, V1188, V1189, V1190, V1191, V1192, V1193, V1194, V1195, V1196, V1197, V1198, V1199, V1200, V1201, V1202, V1203, V1204, V1205, V1206, V1207, V1208, V1209, V1210, V1211, V1212, V1213, V1214, V1215, V1216, V1217, V1218, V1219, V1220, V1221, V1222, V1223, V1224, V1225, V1226, V1227, V1228, V1229, V1230, V1231, V1232, V1233, V1234, V1235, V1236, V1237, V1238, V1239, V1240, V1241, V1242, V1243, V1244, V1245, V1246, V1247, V1248, V1249, V1250, V1251, V1252, V1253, V1254, V1255, V1256, V1257, V1258, V1259, V1260, V1261, V1262, V1263, V1264, V1265, V1266, V1267, V1268, V1269, V1270, V1271, V1272, V1273, V1274, V1275, V1276, V1277, V1278, V1279, V1280, V1281, V1282, V1283, V1284, V1285, V1286, V1287, V1288, V1289, V1290, V1291, V1292, V1293, V1294, V1295, V1296, V1297, V1298, V1299, V1300, V1301, V1302, V1303, V1304, V1305, V1306, V1307, V1308, V1309, V1310, V1311, V1312, V1313, V1314, V1315, V1316, V1317, V1318, V1319, V1320, V1321, V1322, V1323, V1324, V1325, V1326, V1327, V1328, V1329, V1330, V1331, V1332, V1333, V1334, V1335, V1336, V1337, V1338, V1339, V1340, V1341, V1342, V1343, V1344, V1345, V1346, V1347, V1348, V1349, V1350, V1351, V1352, V1353, V1354, V1355, V1356, V1357, V1358, V1359, V1360, V1361, V1362, V1363, V1364, V1365, V1366, V1367, V1368, V1369, V1370, V1371, V1372, V1373, V1374, V1375, V1376, V1377, V1378, V1379, V1380, V1381, V1382, V1383, V1384, V1385, V1386, V1387, V1388, V1389, V1390, V1391, V1392, V1393, V1394, V1395, V1396, V1397, V1398, V1399, V1400, V1401, V1402, V1403, V1404, V1405, V1406, V1407, V1408, V1409, V1410, V1411, V1412, V1413, V1414, V1415, V1416, V1417, V1418, V1419, V1420, V1421, V1422, V1423, V1424, V1425, V1426, V1427, V1428, V1429, V1430, V1431, V1432, V1433, V1434, V1435, V1436, V1437, V1438, V1439, V1440, V1441, V1442, V1443, V1444, V1445, V1446, V1447, V1448, V1449, V1450, V1451, V1452, V1453, V1454, V1455, V1456, V1457, V1458, V1459, V1460, V1461, V1462, V1463, V1464, V1465, V1466, V1467, V1468, V1469, V1470, V1471, V1472, V1473, V1474, V1475, V1476, V1477, V1478, V1479, V1480, V1481, V1482, V1483, V1484, V1485, V1486, V1487, V1488, V1489, V1490, V1491, V1492, V1493, V1494, V1495, V1496, V1497, V1498, V1499, V1500, V1501, V1502, V1503, V1504, V1505, V1506, V1507, V1508, V1509, V1510, V1511, V1512, V1513, V1514, V1515, V1516, V1517, V1518, V1519, V1520, V1521, V1522, V1523, V15



ML56 LED System

800 Series / 80 CRI

- ML56 02H 27
- ML56 02H 30
- ML56 02H 38
- ML56 02H 40

6-Inch and 8-Inch
800 Lumen LED
Light Module for
New Construction,
Remodel and Retrofit

For use with 80x and 80x
Series Trims

FOR USE IN
INSULATED CEILING
AND NON-INSULATED
CEILING RATED
HOUSINGS

HIGH EFFICIENCY LED
WITH INTEGRAL
DRIVER - DIMMABLE

SPECIFICATION FEATURES continued

Ground Connection

- Separate grounding cable included on the module for attachment to the housing during installation.

LED Driver

- Driver is universal voltage 120V-277V, and may be controlled from a switch in this range of main inputs (available at 120V, 220V, 230V, 240V, and 277V)
- Driver is dimmable at 120V operation when connected to a compatible dimmer.
- Driver is a high efficiency, electronic power supply providing DC power to the LED.
- Driver meets FCC EMI/RFI Consumer Level limits on 120V main inputs, and is suitable for use in residential and commercial installations.
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure.
- Driver is replaceable, if replacement should be required.

Dimming

- Halo ML56 LED System is designed for dimming capability to 10% in normal operation with standard 120V electronic low voltage, LED-Rated, and many incandescent dimmers. The ML56 Light Module has dimming capability to 0% with select dimmers with low end trim adjustment. (Consult dimmer manufacturer for dimmer compatibility and details. Note, some dimmers require a neutral in the wallbox.)

Warranty

- Cooper Lighting provides a (5) five-year limited warranty on the Halo ML56 LED Light Module.

LED Module In New or Retrofit

- Replacing Construction - Housings other than Halo or All-Pro
- If used in recessed housings other than Halo or All-Pro the Cooper Lighting 5-year limited warranty applies to the LED Light Module and Trim only.
- As with any electrical installation, a qualified electrician must assess compatibility of use with a particular housing; this includes all applicable national and local electrical and building codes. Installer is responsible to properly and securely retain the LED Module and LED Trim in the housing at time of installation.

COMPLIANCE

Labels

- ILLUL Listed 1600 Lumen (Halo and All-Pro housings)
- CE Marking - "Conformité Européenne" conformity with the Council of European Communities Directive, meeting internationally recognized compliance when used with 1600 and 1750 LED housings
- ILLUL Listed for Drop Location
- ILLUL Listed for Wet Location (Protected Ceiling) with baffle and reflector trim
- IP68 rated with baffle and reflector trim
- RoHS Compliant
- May be installed in IC housings in direct contact with air permeable insulation and combustible material
- UL Classified when used in retrofit with listed housings (See Housing Compatibility)

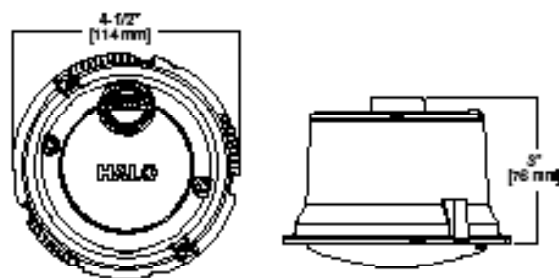
Qualification

- ENERGY STAR® qualified as registered in the "ENERGY STAR® Qualified Products List"
- May be used for State of California Title 24 high efficiency LED luminaire compliance, as registered in the State of California Energy Commission "Appliances Database"
- May be used for International Energy Conservation Code (IECC) high efficiency luminaire compliance
- May be used for Washington State Energy Code (WSEC) high efficiency luminaire compliance
- AIR-TITE™ Certified under ASTM-E283 to meet insulational sealing and restricted air-flow requirements such as:
 - International Energy Conservation Code (IECC)
 - Washington State Energy Code (WSEC)
 - New York State Energy Conservation Construction Code (NY-ECCC)
 - State of California Title 24 "Retrofit Luminaires in Insulated Ceilings"



Qualified and accepted. Refer to ENERGY STAR Qualified Products List and CEC (CEC) Appliances Database for listings.

DIMENSIONS



LX-2 RECESSED CAN

Gas and Electric Heaters



TEEH3524 61" Electric Radiant Heater (Indoor/Outdoor)

Length: 61" Volts: 240
Watts: 3500 Amps: 14.6

Our Electric Heaters are the perfect addition to your backyard, patio, or deck. Extend your outdoor entertaining by maintaining a warm, comfortable atmosphere for you and your guests well into a cool evening. The heaters are suitable for both indoor and outdoor use and can be installed at lower mounting heights (6-8 ft.), helping to maximize the heat where you need it the most, especially in coastal areas.

Features

- Energy Efficient — 90% of the input energy is converted directly to radiant heat.
- The parabolic reflector is made of a special corrosive resistant alloy, an important feature for humid climates or windy areas.
- Swivel mounting brackets allow 6" of clearance behind heater
- UL Approved



FEATURES & SPECIFICATIONS

INTENDED USE

T5 linear direct fluorescent intended for use in low-profile commercial, retail and manufacturing applications.

Designed exclusively for use with T5 lamps, T5 sockets and T5 electronic ballasts.

CONSTRUCTION

Housing formed from cold-rolled steel. No asbestos is used in this product. Heavy-duty 20-gauge channel.

Extended-height end caps retain and support sockets. For full-length, end-of-row end caps, see accessories. Compact T5 socket features rotating collar and enclosed contacts.

Finish: High-gloss, baked white enamel finish. Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance.

OPTICS

Unique white straight blade louver provides excellent shielding.

ELECTRICAL

Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed.

Suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

INSTALLATION

Labor-saving coupler supplied for row mounting. Numerous knockouts for easy installation. Surface-mount or suspended.

LISTING

UL Listed and CSA Certified (see Options). Damp location listed. Listed for 25°C ambient temperature.

WARRANTY

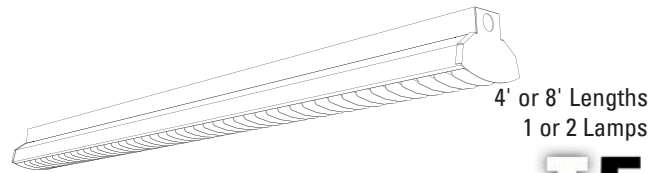
Guaranteed for one year against mechanical defects in manufacture.

Specifications subject to change without notice.

Catalog Number	
Notes	Type

Low-Profile T5 Direct Louver

MS5



4' or 8' Lengths
1 or 2 Lamps

T5
Technology

*Pictured with accessory MS5EP SBL.

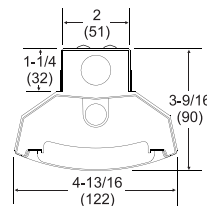
Specifications

Length: 46-1/16 (1169) or 92-1/16 (2337)

Width: 4-13/16 (122)

Depth: 3-9/16 (90)

Weight: 8.4 lbs (3.8 kg)



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: MS5 1 54T5HO SBL MVOLT GEB10PS

MS5					
Series	Number of lamps	Lamp type	Configuration	Voltage	Options
MS5 T5 low-profile direct	1	14T5 14W T5 (22") 21T5 21W T5 (34") 28T5 28W T5 (46")	SBL White straight blade louver assembly (solid white reflectors included)	347 ² , MVOLT ³ Others available.	GEB10PS Electronic ballast, <10% THD, Program Start
	2	24T5HO 24W T5HO (22") 39T5HO 39W T5HO (34") 54T5HO 54W T5 HO (46")			
For tandem double-length unit, add prefix T. ¹ Example: TMS5	Not included.				GLR Internal fast-blow fuse ⁴ GMF Internal slow-blow fuse ⁴ PLF_ Plug-in wiring, specify 1, 2 or 3 branch circuits and hot wires (A=black, B=red, C=blue, AB or AC) EL55 Emergency battery pack (nominal 390-700 lumens; see Fluorescent Battery Packs tab). ⁴ CSA CSA Certified

Accessories

Order as separate catalog number.

THMS5	Tong hanger
MS5EP SBL	Full depth end plate for standard reflector (1 pair)
1B	Ceiling spacer (adjusts from 1-1/2" to 2-1/2" from ceiling)
SQ_	Swivel stem hanger (specify length in 2" increments)
MS5ACF_	Adjustable aircraft cable system with power feed (specify length as 36, 72 or 108 inches). ^{5, 6, 7}
MS5AC_	Adjustable aircraft cable system (specify 36, 72 or 108 inches). ^{5, 6}

Fluorescent

Sheet #: MS5-Louwer STRP-165

LX-8 T5 FLUORESCENT

DESCRIPTION

Cambria 203 is a small, low voltage dimmable LED and halogen MR16 luminaire. It is available with a fully adjustable side swivel stem (203, 203-FL), an adjustable center rear swivel (203-CRS) or a stationary rear flush mount (203-FM). Side swivel models 203 and 203-FL provide 340° tilt and 360° rotation. Center rear swivel model CRS provides 200° tilt and 360° rotation. Center rear swivel model CRS provides 200° tilt and 360° rotation. Various lenses, louvers and color or dichroic filters can be combined - up to three at once - to create multiple lighting effects. The Lumiere exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

SPECIFICATION FEATURES

A ... Material

Housing, hood and mounting stem are precision-machined from corrosion-resistant billet stock 6061-T6 aluminum, C360 brass, C932 bronze, C110 copper or 303/304 stainless steel.

B ... Finish Painted

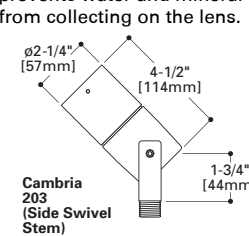
Fixtures constructed from 6061-T6 aluminum are double protected by an ROHS compliant chemical film undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available.

C ... Brass, Bronze, Copper or Stainless Steel

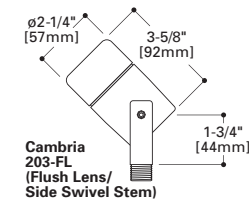
Fixtures constructed from brass, bronze, copper or stainless steel are left unpainted to reveal the natural beauty of the material. Brass, bronze and copper will patina naturally over time.

D ... Hood

Hood is removable for easy relamping and accepts up to three internal accessories at once (lenses, louvers, filters) to achieve multiple lighting effects. Model 203, 203-CRS & 203-FM: Weep holes prevent water and mineral stains from collecting on the lens, even in the straight-up position. Model 203-FL: The flush lens design reduces fixture length, minimizes debris collection and prevents water and mineral stains from collecting on the lens.



Cambria 203 (Side Swivel Stem)



Cambria 203-FL (Flush Lens/Side Swivel Stem)

E ... Gasket

Housing and hood are sealed with a high temperature silicone o-ring gasket to prevent water intrusion.

F ... Lens

Tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock.

G ... Mounting Stem

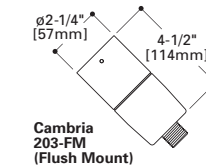
Model 203 and 203-FL include fully adjustable side-mounted swivel stem, providing 340° tilt and 360° rotation for easy aiming. Center rear swivel (203-CRS) or stationary rear flush mount (203-FM) models are also available. All models include 1/2" NPS threaded male fitting. Stainless steel aim-locking mechanisms are standard (not available on 203-FM). Lumiere's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

H ... Hardware

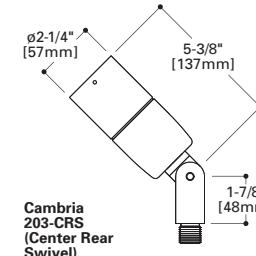
Stainless steel hardware is standard to provide maximum corrosion-resistance.

I ... Socket

Ceramic socket with 250° C Teflon® coated lead wires and GU5.3 bi-pin base.



Cambria 203-FM (Flush Mount)



Cambria 203-CRS (Center Rear Swivel)

LUMIÈRE® energy solutions

Catalog #	Type
Project	
Comments	Date
Prepared by	



CAMBRIA

203

10W LED
6W LED
50W (max.) MR16

Halogen
Low Voltage

Accent/Flood

IP65

L ... Labels & Approvals

UL and cUL listed, standard wet label. IP65 rated. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made. Approved by New York City Dept. of Buildings, Bureau of Electrical Control for use in NYC, NY.

M ... Warranty

Lumiere warrants its fixtures against defects in materials & workmanship for three (3) years. Auxiliary equipment such as transformers, ballasts and lamps carry the original manufacturer's warranty.

DESIGN REVIEW

04.17.2014

EA 13-232583 DA

Title:

LIGHTING

Sheet:

C.78

COOPER Lighting
www.cooperlighting.com

Specifications and Dimensions subject to change without notice.
Consult your representative for additional options and finishes.

ADL032452
06/26/2012 5:15:47 PM

LX-9 LED LANDSCAPING LIGHT

Visit us online at <http://www.mcnichols.com>
 Order Now: 1-877-884-4653 or email sales@mcnichols.com

Item Specifications:

Item Number :	3631050048
Product Line :	Wire Mesh
Product Type :	Decorative Mesh
Weight :	1.7 #/SF
Class :	Designer Series
Trade Name :	McNICHOLS
Category :	Chateau™
Major Material :	Plain Steel
Pattern Name :	Chateau™
Pattern Number - 88016 :	3105
Percent Open Area :	58
Width :	48.0000
Length (Span for Grating) :	96.0000
SKU Type :	Sheet
Full Material Type :	Plain Steel
HS Item Number :	3631050048



Accessories:

There are currently no accessories for this item.

Options:

Angle Cutting	Straight line cutting to produce an angle other than 90 degrees
Bolt Holes	The punching or drilling of holes at specific locations in material in order to provide a means to bolt the material in place.
Circle Cutting	Shearing or sawing material in a circular path to a specified dimension.
Coating	A material applied as a covering to another material such as vinyl coating applied to steel.
Coiling	A relatively long, continuous piece of material rolled to form a coil.
Cut to Size	This describes the option of cutting a standard size into pieces of specified size with typically 90 degree corners. Used describe this process regardless of what tool or machine is used to do the cutting.
Drawings Required	Drawings required to confirm material specifications, sizes or to aid in erection of the finished materials.
Framing	An option where a secondary product, usually U-edging or angle is cut and welded to form a frame around the edge of the material.
Painting	The process of applying paint to material.
Plating	The application of a thin layer of a secondary metal to a primary metal through an electrolytic process.
Powder Coating	The process of applying powdered paint to an item then placing it in an oven where the powder particles melt and coalesce to form a continuous coating.

Applications:

Architectural/Decorative	Applications where the appearance of the finished item is as important as the function of the item.
Fixture/Furniture	Material used as a component in a fixture or furniture.
Grille/Guard	Material used in some way to restrict access to an area.
Panel/Partition	Material used as the means to stop the passage of something from one place to another.
Railings	Products used to form a physical barrier around an area or platform, typically a handrail.



Wood Tiles

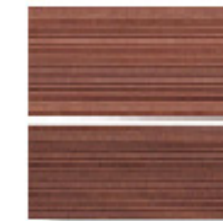
Wood Tiles made from ipê or massaranduba are a great alternative to concrete architectural pavers in an Ultimate Assembly®, providing warmth and charm to any roof deck. These wood tiles are fabricated from very dense, durable hardwoods that exhibit excellent resistance to weather. The wood tiles can be periodically treated with oil to preserve and enhance their original color or left untreated to develop a natural, aged finish. They are Available with a smooth surface or with a ribbed scuff resistant surface.



ipê smooth



ipê ribbed



massaranduba ribbed

ipê Wood Tiles are available in

24"x24" and 48"x24" dimensions, massaranduba is only available in 24"x24" size.



ipê ribbed shown in 24"x24" and 48"x24" dimensions

Made from re-purposed wood from the furniture and other industries, wood tiles may be able to satisfy certain recycled content requirements. Wood tiles fabricated from Forest Stewardship Council® (FSC) certified sustainable sources are also available.

This assembly requires supplemental stone ballast (as depicted) under the wood tiles to provide proper ballasting for the loose laid STYROFOAM insulation. The wood tiles are installed on Hydrotech Adjustable Pedestals that include a fastening kit to help lock them down for added security.

WINDOWS • CURTAIN WALLS • ENTRANCES • STOREFRONTS



Series 450X, 450G Thermal 4 1/2" Heavy Commercial Projected Flush-Face Window



CONFIGURATIONS

Project-In • Project-Out • Casement In • Casement Out • Fixed

The 450X and 450G XTherm™ window series, were developed to meet the increasing energy efficiency demands of today's marketplace. The deeper strutted thermal break allows for triple glazing while also providing superior thermal separation of the framing materials. This window system is an attractive and versatile product that can be utilized on a wide range of applications from educational, to office and healthcare facilities. Offered with a complete line of thermal subframes, mullions and architectural sills, the 450X and 450G provides the complete solution for your fenestration needs.

Features

- 35 mm E-Strut™ thermal isolator
- Vertical or horizontal stacking members
- Dual glazing with optional integral blinds
- Pressure equalization
- Angle reinforced vent corners
- Wide variety of locking and operating hardware available
- Accessory line of subframes, mullions, and architectural sills
- Anodized or painted finishes available
- Screen frames of extruded aluminum alloy are available
- Snap-In grid available with 450G version

Benefits

- Exceptional U-Value performance
- Dual finish capability
- Eliminates potential for dry shrinkage
- Increases configuration options
- Improved energy savings and interior light or privacy control with low maintenance
- Superior water resistance
- Improves sash/vent rigidity
- Permits hardware options to address specific requirements
- Allows custom designs with standard product
- Multiple options to answer economic and aesthetic concerns
- Stronger, more durable screens
- Removes grid from glazing pocket
- Easily removed for exterior glass cleaning



© Copyright 2011 EFCO Corporation 02/11

1000 COUNTY RD • MONETT, MO 65708 • 800.221.4169 • efcocorp.com

DESIGN REVIEW

04.17.2014

EA 13-232583 DA

Title:

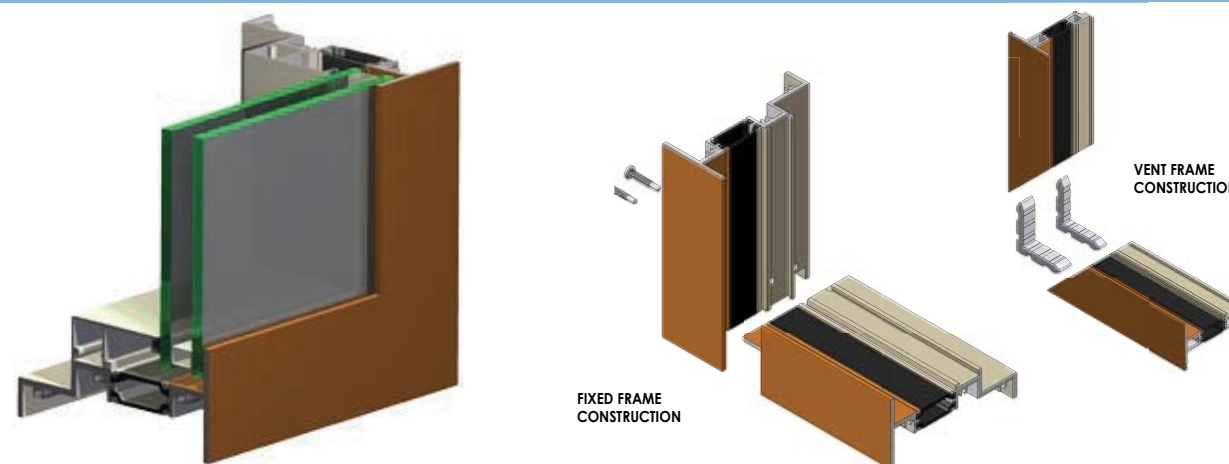
GLAZING

Sheet:

C.80

RED LION HOTEL REMODEL

Series 450X, 450G Thermal 4 1/2" Heavy Commercial Projected Flush-Face Window



PERFORMANCE DATA

FIXED ARCHITECTURAL GRADE
 AAMA RATING (A440-05) AW-PG140-FW
 AIR INFILTRATION <.10 CFM/SF @ 6.24 PSF
 WATER NO LEAKAGE @ 15.0 PSF
 CRF-FRAME (1503-98) 73
 CRF-GLASS (1503-98) 67

CASEMENT ARCHITECTURAL GRADE
 AAMA RATING (101-97) AW-PG135-C
 AIR INFILTRATION <.10 CFM/SF @ 6.24 PSF
 WATER NO LEAKAGE @ 15.0 PSF
 CRF-FRAME (1503-98) 72
 CRF-GLASS (1503-98) 65

*LOW E WITH ARGON

450X THERMAL U-FACTORS*						
CENTER OF GLASS U-FACTOR	CONFIGURATION AND SIZE					
	PO**	PO	PO Csm1**	PO Csm2	FX**	FX
	59" X 24"	60" X 66"	24" X 59"	54" X 84"	47" X 59"	65" X 77"
0.46	0.57	0.52	0.58	0.52	0.53	0.51
0.34	0.50	0.43	0.50	0.42	0.42	0.40
0.28	0.46	0.39	0.47	0.38	0.38	0.36
0.24	0.44	0.35	0.44	0.35	0.34	0.32
0.20	0.41	0.32	0.42	0.31	0.31	0.28
0.16***	0.33	0.26	0.34	0.25	0.24	0.22
0.12***	0.31	0.23	0.32	0.23	0.21	0.19

*BASED ON NFRC 100 **NFRC GATEWAY SIZE ***TRIPLE LITE INSULATED UNIT

S-450X HARDWARE CHART	BUTT HINGES	4-BAR ARMS	FRICITION ADJUSTER	KEY RELEASE LIMIT ARM	ROTOR OPERATOR*	CAM HANDLE	POLE RING CAM HANDLE	POLE RING PULL**	ACCESS CONTROLLED LOCK	LIFT LOCK
PROJECT-IN		S				S				O
PROJECT-OUT		S				S	O		O	O
CASEMENT INSWING WITH 4-BAR ARMS		S				S	O	O	O	O
CASEMENT OUTSWING WITH 4-BAR ARMS		S				S	O		O	O
CASEMENT INSWING WITH BUTT HINGES	S		O	O		S	O		O	O
CASEMENT OUTSWING WITH BUTT HINGES	S		S	O	O	S	O		O	O

Some size restrictions may apply depending on hardware selected.
 * Casements requiring roro operators will be furnished with lift locks, providing vents meet minimum width requirements.
 ** Pole ring pull will be furnished on project-out vents when optional pole ring cam handle is selected.
 O - Optional
 S - Standard
 Blank - N/A

S-450X GLAZING CHART	POLYCARBONATE		GLASS OR PANEL										
	3/16"	1/4"	3/16"	.200"	1/4"	1/4**	7/8"	1"	1-1/8"	1-1/4"	1-1/2"	1-3/4"	2"
INSULATED GLASS							A	A	A		A	A	A
DUAL GLAZING	EXTERIOR LITE						I	A	A		A	A	
	INTERIOR LITE	A	A	A	A	A							

* Obscure glass thickness
 ** Laminated glass thickness
 A - Available glazing option
 I - Internal blinds can be used with this type of dual glazing
 Blank - N/A

S-450G GLAZING CHART	POLYCARBONATE		GLASS OR PANEL												
	3/16"	1/4"	3/16"	.200"	1/4"	1/4**	5/8"	3/4"	7/8"	1"	1-1/8"	1-1/4"	1-1/2"	1-3/4"	2"
INSULATED GLASS									A	A	A	A	A	A	A
DUAL GLAZING	EXTERIOR LITE							A	A	A		A			
	INTERIOR LITE	A	A	A	A	A									

© Copyright 2011 EFCO Corporation 02/11

1000 COUNTY RD • MONETT, MO 65708 • 800.221.4169 • efcocorp.com



CURTAINWALL SYSTEM

Series 450X, 450G Thermal 4 1/2" Heavy Commercial Projected Flush-Face Window

Main Frame Construction

The frame is constructed from .125" nominal material wall thickness aluminum of 6063-T6 alloy with a depth of 4 1/2". An equal leg frame is standard. Corners are of screw spline construction and back sealed with a small-joint seam sealer. See Illustration 1 .

Vent Frame Construction

The 4 1/2" deep vent consists of tubular aluminum members with .125" nominal material wall thickness of 6063-T6 alloy. Vent corners are mitered, angle reinforced, crimped, cold epoxy welded and back sealed with a small-joint seam sealer. Vents present a flush appearance with the frame in the closed position. See Illustration 2.

Weather Stripping

All vents are dual weather-stripped with a dual-durometer Santoprene® gasket. Exterior gasket is intentionally omitted at vent bottom rail for project-out vents and at vent top rail for project-in vents allowing air to pressure equalize the void between the vent and frame. Each vent utilizes the pressure equalization technique for superior water resistance.

Screens

Screen frames are extruded 6063-T6 aluminum alloy frames. Full width hinged wickets or fully hinged screens are available. 18 x 16 mesh screens are available in fiberglass and in .011" diameter aluminum. 18 x 18 mesh screens are available in .009" diameter stainless steel.

Thermal Barrier

All frames and vents are thermally isolated with two thermal struts which consist of glass reinforced polyamide nylon, mechanically crimped in raceways extruded in the exterior and interior extrusions. See Illustration 3.

Hardware

Locking cam handles, access controlled locks, and keepers are of cast white bronze in a US25D finish. 4-bar arms are fabricated from stainless steel meeting AAMA 904.1 requirements. Butt hinges are fabricated from extruded aluminum of 6063-T6 alloy with stainless steel pins. See Hardware Chart for available hardware types.

Glazing

Windows are inside glazed with an extruded aluminum snap-in glazing bead. Glazing of 3/16" to 2" can be accommodated. Dual glazing is also available in 1/8", 3/16", and 1/4" glass. Between the glass aluminum blinds are available with dual glazed windows. See the Glazing Chart for the exact size.

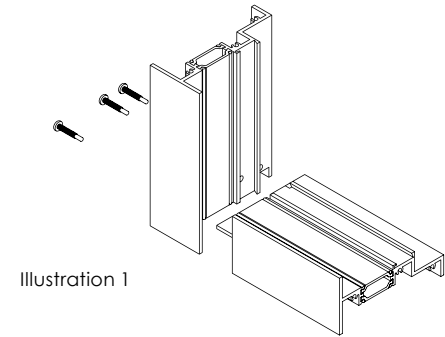


Illustration 1

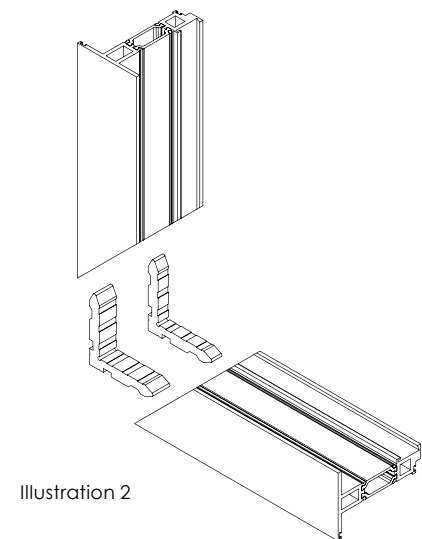


Illustration 2

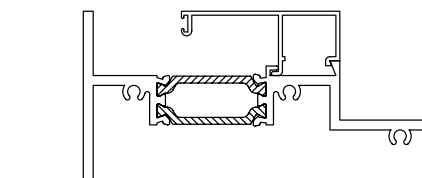


Illustration 3



Trifab® VG (VersaGlaze®)

Trifab VG 450, 451 & 451T (Thermal) Framing Systems

Design Versatility
with Unmatched
Fabrication Flexibility



Proston Pointe, Louisville, KY
Architect: Potter & Associates Architects PLLC, Louisville, KY
Glazing Contractor: Kentucky Mirror & Plate Glass Company, Louisville, KY

Trifab® VG (VersaGlaze®) is built on the proven and successful Trifab platform – with all the versatility its name implies. Trifab set the standard and Trifab® VG improves upon it. There are enough fabrication, design and performance choices to please the most discerning building owner, architect and installer. Plus the versatility a tried and true framing system entails. Select from four glazing applications, four fabrication methods and multiple infill choices. Consider thermal options and performance, SSG and Weathersal alternatives and your project takes on almost any shape whether your architecture is traditional or modern and the building is new or retrofitted.

Aesthetics

Trifab® 450 has 1-3/4" sight lines and both Trifab® 451 and Trifab® 451T have 2" sight lines, while all three have a 4-1/2" frame depth. Designers can not only choose front, center or back glass planes, they can now add the versatility of multi-plane glass applications, thus allowing a greater range of design possibilities for specific project requirements and architectural styles. Structural Silicone Glazing (SSG) and Weathersal options further expand the designer's choices.

Trifab® VG can be used on almost any project due to virtually seamless incorporation of Kawneer entrances, Sealair® windows or GLASSvant™ for visually frameless ventilators. These framing systems can also be packaged with Kawneer curtain walls and overhead glazing, thereby providing owner, architect and installer with proven, tested and quality products from a single source supplier.

Economy

Trifab® VG offers four fabrication choices to suit your project:

- **Screw Spline** – for economical continuous runs utilizing two piece vertical members. Provides the option to pre-assemble units with controlled shop labor costs and smaller field crews for handling and installation.
- **Shear Block** – for punched openings or continuous runs using tubular moldings. Provides the option to pre-assemble multi-lite units using shear block clips under controlled shop labor conditions. Clips provide tight joints for transporting large units. Less field time is necessary to fill large openings.
- **Stick** – for fast, easy field fabrication. Field measurements and material cuts can be done when metal is on the job.
- **Type B** – for multi-lite punched openings. Provide option for pre-assembled units for installation into single openings and controlled shop labor costs. Head and sill running through provide fewer joints and require less time to fill large openings.



Brighton Landing, Cambridge, MA
Architect: AEC Inc., Cambridge, MA
Glazing Contractor: Spanish Bay Glass Company, Inc., Beverly, MA

Trifab® VG 450, 451 and 451T can be flush glazed from either the inside or outside. The Weathersal option provides an alternative to the structural silicone glazed vertical mullions. This ABS/ASA rigid polymer extrusion allows complete inside glazing and creates a flush glass appearance on the building exterior, without the added labor of scaffolding or swing stages. Optional patented HP Flashing™ and HP Interlock clip are engineered to eliminate the perimeter sill fasteners and their associated blind seals and are compatible with all glass planes.

Performance

Kawneer's IsoLock™ Thermal Break option is available on Trifab® VG 451T. This process creates a composite section and prevents dry shrinkage.

U-factor, CRF values and STC ratings for Trifab® VG vary depending upon the glass plane application. Project specific U-factors can now be determined for each individual project. (See Kawneer Architectural Manual or Website for additional information)

Performance Test Standards

Air Performance	ASTM E 283
Water	AAMA 501 and ASTM E 331
Structural	ASTM E 330
Thermal	AAMA 1503
Thermal Break	AAMA 505 and AAMA TIR-A8
Acoustical	AAMA 1801 and ASTM E 1425

Trifab VG 450



Trifab VG 451/451T



Finishes

Fluoropolymer Anodized finishes are available in Class I and Class II in seven different colors.

Painted Finishes, including fluoropolymer that meet or exceed AAMA 2605, are offered in many standard choices and an unlimited number of specially-designed colors.

Solvent-free powder coatings add the "green" element with high performance, durability and scratch resistance that meet the standards of AAMA 2604.

Kawneer Company, Inc.
Technology Park / Atlanta
655 Cambridge Court
Norcross, GA 30092

kawneer.com
770 . 447 . 5555

© Kawneer Company, Inc. 2014. ISO 9001:2008. ISO 14001:2004. ISO 16750:2008



KAWNEER
AN ALCOA COMPANY

KAWNEER
AN ALCOA COMPANY



Red Lion Hotel, Raleigh, NC
 Structural Performance Testing System
 Holst Architectural Design

The NanaWall was tested in accordance with the following requirements:
 The NanaWall clearly demonstrates the performance of the unit in the following areas:
 - Air Infiltration
 - Water Penetration
 - Structural Load Deflection
 - Life Cycle Performance
 - Thermal Performance



SL70 | Testing Results - Performance of the SL70 NanaWall®

TYPE OF TEST	LOW PROFILE SADDLE SILL AND STANDARD FLUSH SILL													
	INWARD OPENING UNITS	OUTWARD OPENING UNITS												
Air Infiltration: ASTM E-283 and NFRC 400, cfm/ft²	@1.57 psf (76 Pa): 0.10 (44 L/hr/ft²) @3.14 psf (152 Pa): 0.26 with seal sweeps @6.28 psf (304 Pa): 0.51 with sweeps	@1.57 psf (76 Pa): 0.11 (44 L/hr/ft²) @3.14 psf (152 Pa): 0.26 with seal sweeps @6.28 psf (304 Pa): 0.51 with sweeps												
Water Penetration: ASTM E-331 <i>Not applicable for standard flush sill</i>	No Unacceptable water entry @ 6.28 psf (304 Pa) <E2>	No Unacceptable water entry @ 6.28 psf (304 Pa) <E2>												
Structural Load Deflection TAS 202 & ASTM E-330, pass	**REINFORCED UNIT Design Positive Load @170 psf (8200 Pa) Design Negative Load @170 psf (8200 Pa) *Reinforced Unit: U-1 (1-2) @ 170 psf *E-1 @ 170 psf	**REINFORCED UNIT Design Positive Load @170 psf (8200 Pa) Design Negative Load @170 psf (8200 Pa) *Reinforced Unit: U-1 (1-2) @ 170 psf *E-1 @ 170 psf												
Structural Load Deflection ASTM E-330, pass	**STANDARD UNIT Design Positive Load @110 psf (5300 Pa) Design Negative Load @110 psf (5300 Pa)	**STANDARD UNIT Design Positive Load @110 psf (5300 Pa) Design Negative Load @110 psf (5300 Pa)												
Life Cycle Performance	The SL70 meets the criteria "UPON THE USUAL OPERATION," where each is tested after 20,000 opening and closing cycles and is in full operation.													
* and ** Forced Entry Resistance	In accordance with AAMA 1304 and AIAA 500													
*** Operation / Cycling Performance AAMA 500	For every panel tested to this point: 100,000 cycles - pass													
Thermal Performance	Refer to U-Factor and SHGC in accordance with NFRC 100 and NFRC 200													
	SADDLE SILL	FLUSH SILL												
*** TYPE OF GLASS (U-Factor)	CENTER OF GLASS U-FACTOR	GLASS THICKNESS	UNIT U-FACTOR	SHGC	2010 ENERGY STAR	UNIT U-FACTOR	SHGC	2010 ENERGY STAR	UNIT U-FACTOR	SHGC	2010 ENERGY STAR	UNIT U-FACTOR	SHGC	2010 ENERGY STAR
Double IG Clear (Std)	.46	1 1/8"	.52	.52	-	.51	.52	-	.52	.52	-	.51	.52	-
Double IG Low E Tinted (Std)	.35	1 1/8"	.34	.27	-	.35	.27	-	.37	.27	-	.35	.27	-
Double IG Low E (Std)	.39	1 1/8"	.39	.27	-	.39	.27	-	.40	.27	-	.39	.27	-
Double IG Low E IG E (IG Interspace Tinted)	.31	1"	.36	.24	-	.36	.24	-	.36	.24	-	.36	.24	-
Double IG Low E IG E (IG Interspace Std)	.34	1"	.36	.24	-	.36	.24	-	.36	.24	-	.36	.24	-
Double IG Low E High Mirror Tinted (Std)	.35	1 1/8"	.39	.24	✓	.39	.24	✓	.39	.24	✓	.39	.24	✓
Double IG High Mirror Tinted x 2 (Std)	.36	1 1/8"	.34	.20	✓	.36	.20	✓	.36	.20	✓	.36	.20	✓
Triple IG Low E x 2 Tinted (Std)	.35	1 1/8"	.37	.24	✓	.36	.24	✓	.36	.24	✓	.37	.24	✓
Triple IG Low E x 2 (Std)	.35	1 1/8"	.39	.24	✓	.39	.24	✓	.39	.24	✓	.39	.24	✓

NOTES
 * Strength of results of a 12'0" x 12'0" x 12'0" unit tested by An Architectural Testing, Inc., Fort Worth, TX, as independent testing laboratory in October 2009.
 ** Strength of results of a 6'0" x 12'0" x 12'0" unit tested by An Architectural Testing, Inc., Fort Worth, TX, as independent testing laboratory in July 2009.
 *** Strength of results of a system tested by An Architectural Testing, Inc., Fort Worth, TX, as independent testing laboratory in July 2009.
 **** NFRC standard U-Factor of units with a low E coating in the IG interspace of 0.10 to 0.25 higher than units with no low E coating in the IG interspace. Please contact NFRC for details.
 U-Factor and SHGC are based on NFRC 100 and NFRC 200



MOVABLE GLAZED WALL