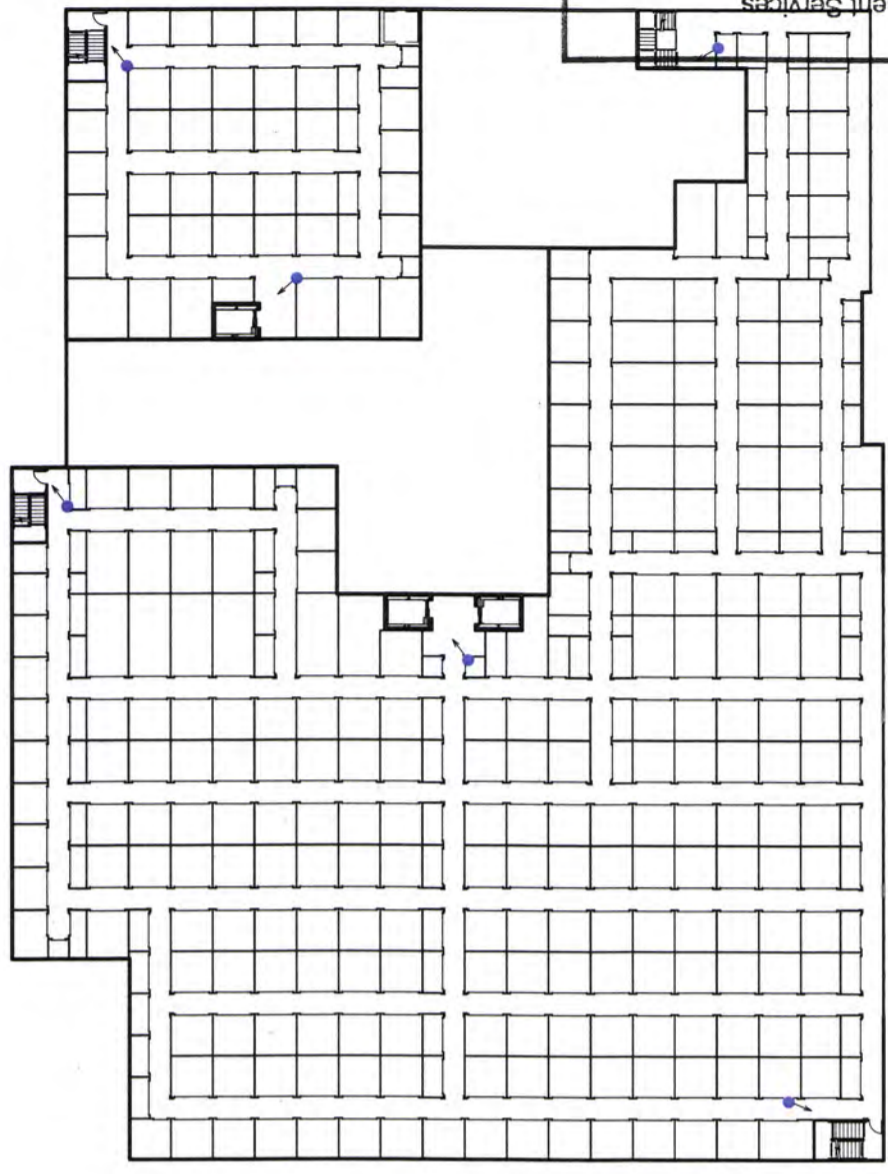
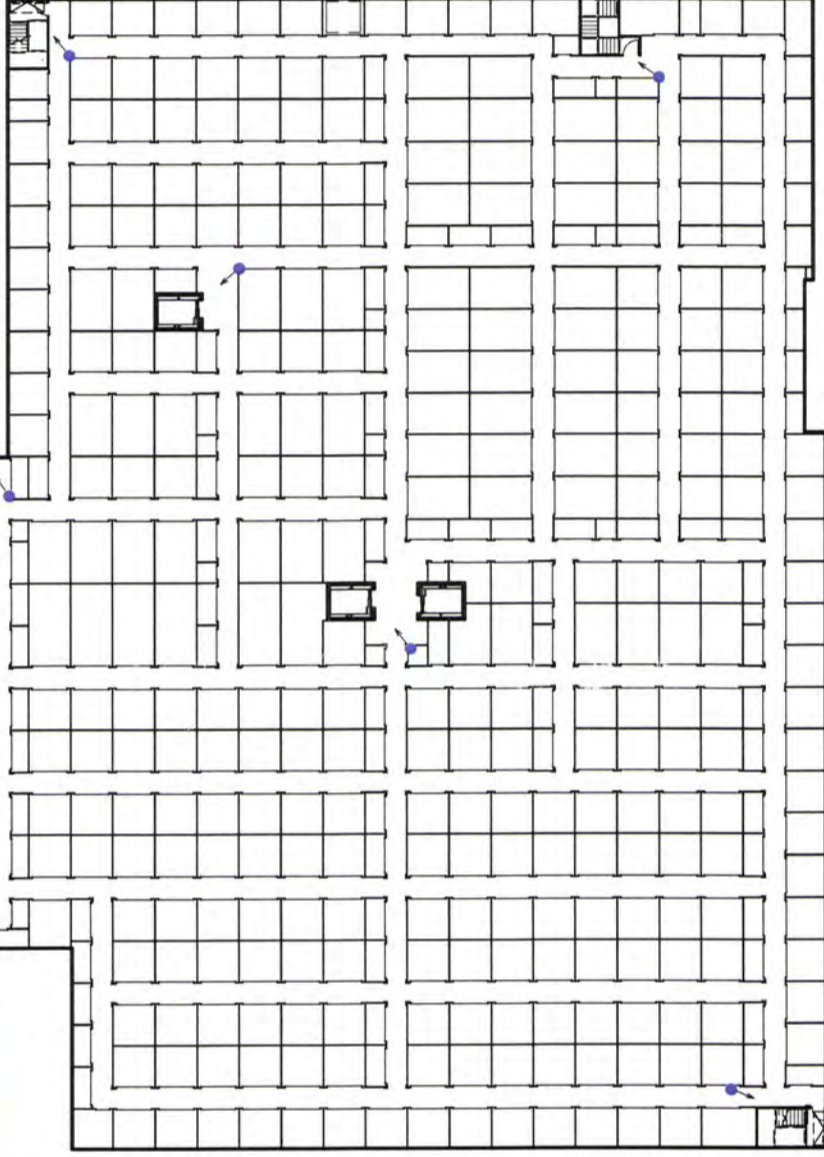


1ST FLOOR - SECURITY PLAN 1/16"=1'-0" 1



2ND FLOOR - SECURITY PLAN 1/16"=1'-0" 2



3RD FLOOR - SECURITY PLAN 1/16"=1'-0" 3

LEGEND

■	KNOX BOX
○	KNOX SWITCH
□	DOOR CONTACT
◇	GLASS BREAK / MOTION
■	ALARM KEY PAD
○	CAMERA
□	KEY PAD / INTERCOM
○	NETWORK / PHONE 2 CAT 5
□	MONITOR 2 CAT 5, AND COAX

NOTE:
 ALL SECURITY LAYOUTS, DESIGNS & PLANS ARE TO BE COORDINATED WITH THE PROJECT ARCHITECT & ALL SECURITY CHANGES MUST BE APPROVED BY THE PROJECT ARCHITECT. INFORMATION SHOWN HEREIN IS TO REFLECT THE ENTRY OF SITE & BUILDING SECURITY TENDERS TO FULLY COORDINATED, SEALED & APPROVED DRAWINGS.

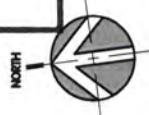
**LEON CAPITAL
 POWELL SELF STORAGE
 PORTLAND, OR.**

PRELIM. SECURITY PLAN

JOB NUMBER: 17-108
 SCALE: 1/16"=1'-0"
 DATE: 11/21/2017



Planner: *E. B. B. B.*
 Date: 12.13.17
 City of Portland - Bureau of Development Services
 Approved
 *This approval applies only to the reviews requested and is subject to all conditions, approvals, & additional zoning requirements that may apply.



17-144195 PL

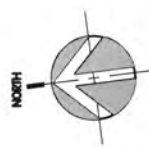
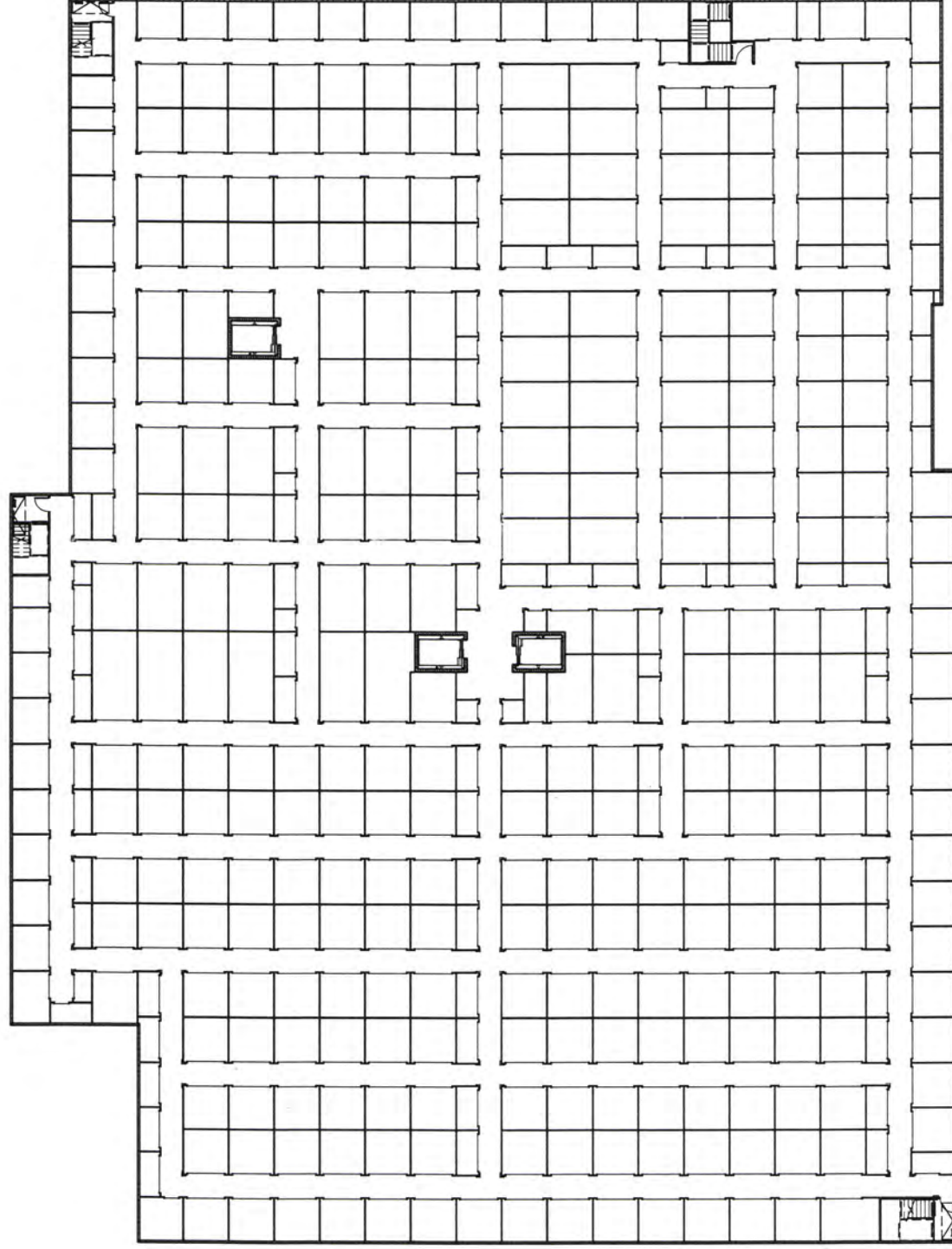
EXHIBIT C-2

**LEON CAPITAL
POWELL SELF STORAGE
PORTLAND, OR.**

PRELIMINARY 3RD LEVEL UNIT MIX

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**JOB NUMBER: T7-108
SCALE: 1/16"=1'-0"
DATE: 11/21/2017**



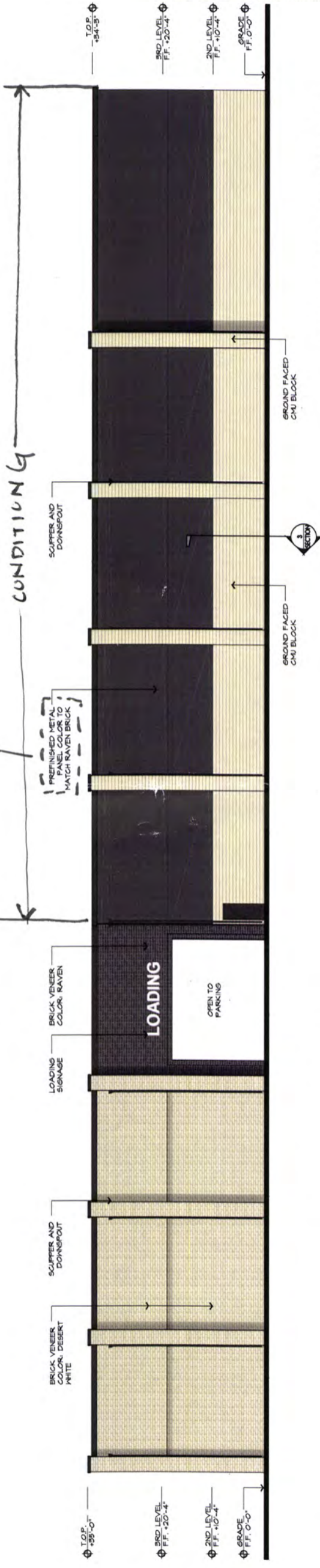
Jordan
ARCHITECTS, INC.
131 CALLE DEL REAL SUITE 1100
SAN CLEMENTE,
CA 92672-7541
TEL: (949) 343-3333
F: (949) 343-3337

Approved*
City of Portland - Bureau of Development Services
Planner *O. B. [Signature]*
Date 12.13.17
* This approval applies only to the reviews requested and is subject to all conditions of approval. Additional zoning requirements may apply.

17-144195 D2

EXHIBIT C-5

CONDITION I.



SITE ELEVATION - NORTH
1'-10 1/2"

* SIGNAGE NOT PART OF SCOPE FOR DESIGN REVIEW *

CONDITION I.



SITE ELEVATION - EAST, FACING 62ND AVE
1'-10 1/2"

DESCRIPTION	FAÇADE (LENGTH/AREA)	REQUIRED % GLAZING	REQUIRED GLAZING LENGTH/ AREA	PROVIDED ON ELEVATION
GLAZING LENGTH	192'-0"	25%	48'-0"	56'-0" = (124%)
STREET FACING	1,128 S.F.	12.5%	216 S.F.	504 S.F. = (238%)

83.130.250.B.3 GLAZING AND FAÇADE RELIEF ON SE 62ND AVE.

LEON CAPITAL
POWELL SELF STORAGE
PORTLAND, OR.

PRELIMINARY ELEVATIONS

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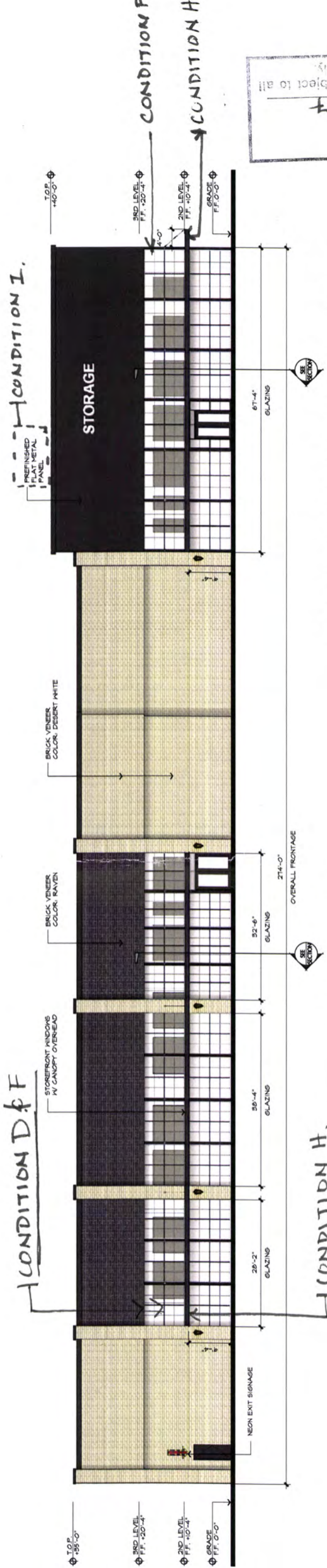
JOB NUMBER: 17-108
SCALE: 1"=10'-0"
DATE: 11/21/2017



* Approved *
City of Portland Bureau of Development Services
Planner: *e. Blum*
Date: 12.13.17
* This approval applies only to the reviews requested and is subject to all conditions of approval. Additional zoning requirements may apply.

17-144195 D2

EXHIBIT C-7



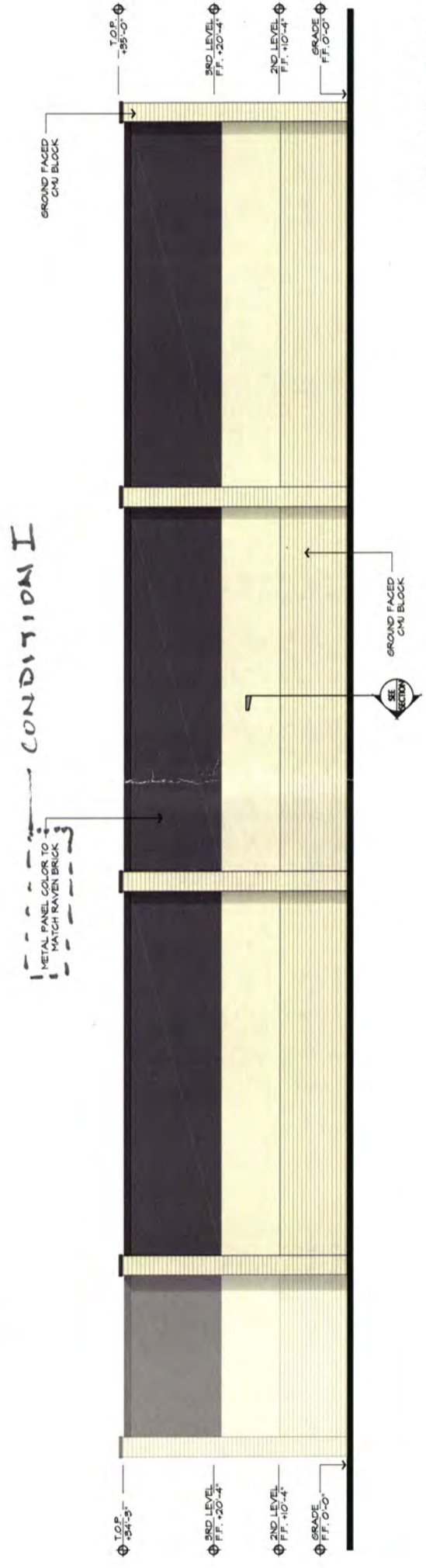
SITE ELEVATION - SOUTH, FACING POWELL BLVD.
1'-10" = 1"

33.150.230B3 GLAZING AND FACADE RELIEF ON SE POWELL BLVD.

DESCRIPTION	FACADE (LENGTH/AREA)	REQUIRED GLAZING (%)	REQUIRED GLAZING LENGTH/ AREA	PROVIDED ON ELEVATION
GLAZING LENGTH STREET WALL AREA FROM 0' TO 4' AFF.	214'-0"	50%	107'-0"	28'-2" x 52'-6" = 1476'-4" (61%)
GLAZING LENGTH STREET WALL AREA FROM 0' TO 4' AFF.	2,466 S.F.	25%	616.5 S.F.	1447 S.F. = (66%)

* SIGNAGE NOT PART OF SCOPE FOR DESIGN REVIEW*

Approved
City of Portland - Bureau of Development Services
Planner *E. Blak*
Date 12.15.17
* This approval applies only to the reviews requested and is subject to all conditions of approval. Additional zoning requirements may apply.



SITE ELEVATION - WEST
1'-10" = 1"

**LEON CAPITAL
POWELL SELF STORAGE
PORTLAND, OR.**

PRELIMINARY ELEVATIONS

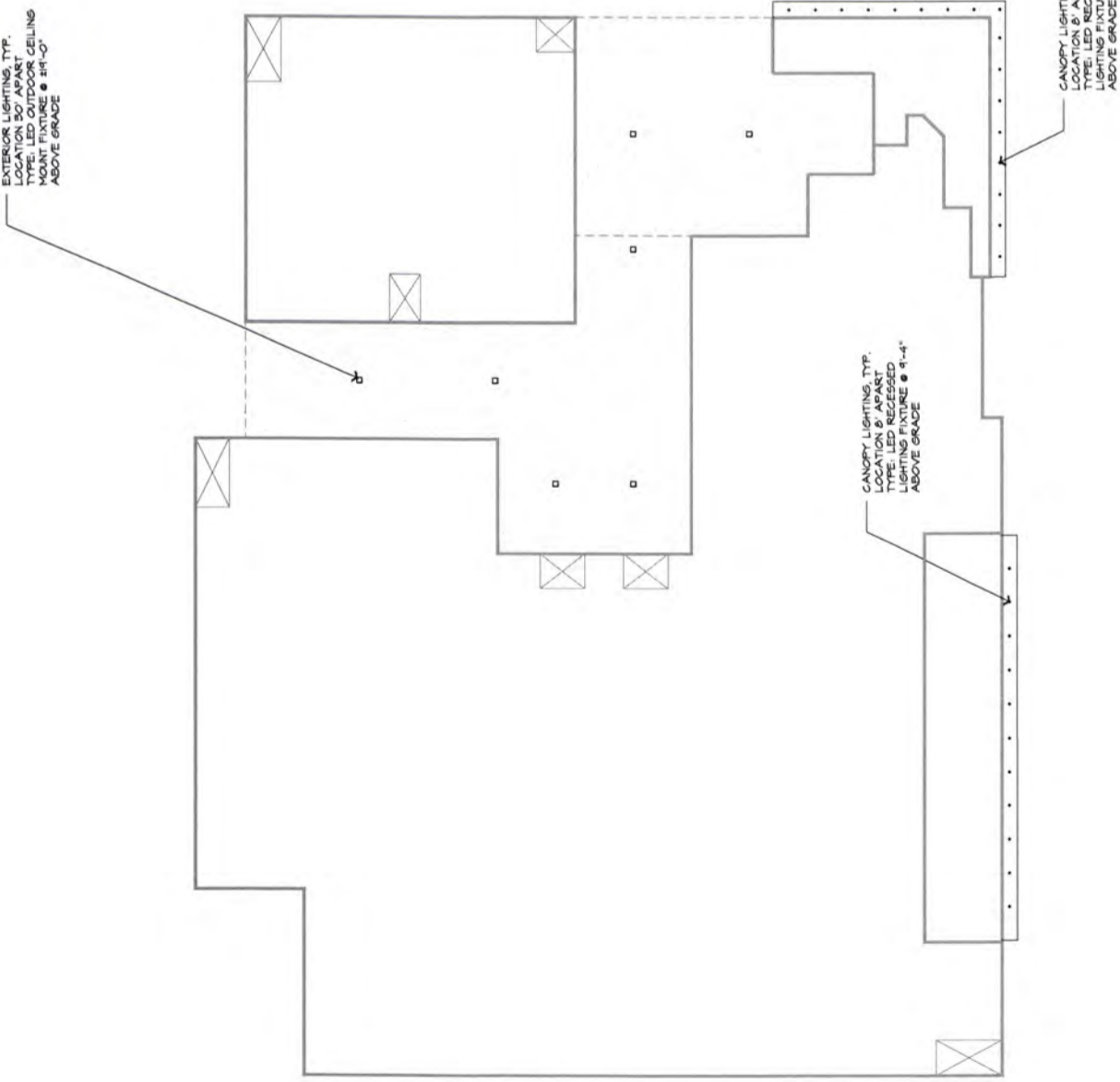
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JOB NUMBER: 17-108
SCALE: 1"=10'-0"
DATE: 11/21/2017

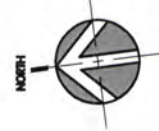


17-144195 DC

EXHIBIT C-8



LEON CAPITAL POWELL SELF STORAGE PORTLAND, OR.



LIGHTING PLAN

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JOB NUMBER: 17-108
SCALE: 1" = 20'
DATE: 11/21/2017

Jordan ARCHITECTS, INC.
137 CALLE GILES SITE 133
SAN CLEMENTE,
CA 92672-7341
Tel: 949.366.3493
Fax: 949.366.3494

GSI SERIES
DIMMABLE LED
HUBBELL
Outdoor Lighting

PRODUCT IMAGES

DESCRIPTION

FEATURES

- 750 Lumens
- 120 V AC, 50/60 Hz
- 100% LED
- 5 Year Warranty

ORDERING INFORMATION

ORDERING SAMPLE

ENORA NSPEC LIGHTING

Type: Project
Catalog No.:
Lamp/Wattage:

NOX-563
5 7/8" LED Onyx Series
LED 750 Lumen / 12.5 Watt max

PRODUCT DESCRIPTION

FEATURES

- 750 Lumens
- 120 V AC, 50/60 Hz
- 100% LED
- 5 Year Warranty

CONSTRUCTION

FINISHES

LABELS & LISTINGS

HOURLINGS

ELECTRICAL

OPTICS

DIMMERS

Labels & Listings

HOURLINGS

ELECTRICAL

OPTICS

DIMMERS

ENORA NSPEC LIGHTING

Type: Project
Catalog No.:
Lamp/Wattage:

NOX-563 Photometric
Tested Model: NOX-563127WW

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD
Effective Floor Cavity Reflectance: 0.20

RC	50	30	10	70	30	10	50	30	10	50	30	10	50	30	10	50	30	10
0	119	119	119	119	119	119	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	103	100	109	104	101	98	100	97	95	96	94	92	93	91	89	87
2	109	99	89	84	99	89	85	83	86	83	81	86	83	79	83	80	78	76
3	87	76	63	62	86	75	67	62	72	66	61	70	60	63	59	57	55	53
4	80	69	60	54	78	68	60	54	65	59	54	64	58	53	62	57	52	51
5	74	62	54	48	73	61	54	48	60	53	48	58	52	47	56	51	47	45
6	69	57	49	43	68	56	48	43	55	48	43	52	46	42	49	45	42	40
7	61	51	44	38	60	49	43	38	51	44	39	45	39	36	42	38	36	35
8	51	44	38	32	51	41	36	32	43	36	32	38	32	30	35	32	30	29
9	44	38	32	27	43	34	30	27	36	30	27	32	27	25	30	27	25	24
10	37	32	27	22	36	28	25	22	29	25	22	27	22	20	25	22	20	19

ZONAL LUMEN SUMMARY

Zone	Lumens	AFUEd
0-30	148.85	15.85
0-30	324.85	35.20
0-40	484.81	56.00
0-40	719.24	80.50
0-50	896.12	100.00
0-60	1000.00	100.00
10-40	333.75	35.60
10-40	553.41	58.10
20-50	351.17	40.50
20-50	553.41	58.10
30-60	24.06	2.50
30-60	40.00	4.00
40-60	0.00	0.00
40-60	0.00	0.00
50-60	0.00	0.00
50-60	0.00	0.00
60-60	0.00	0.00
60-60	0.00	0.00
110-180	0.00	0.00
110-180	0.00	0.00
0-180	888.12	100.00

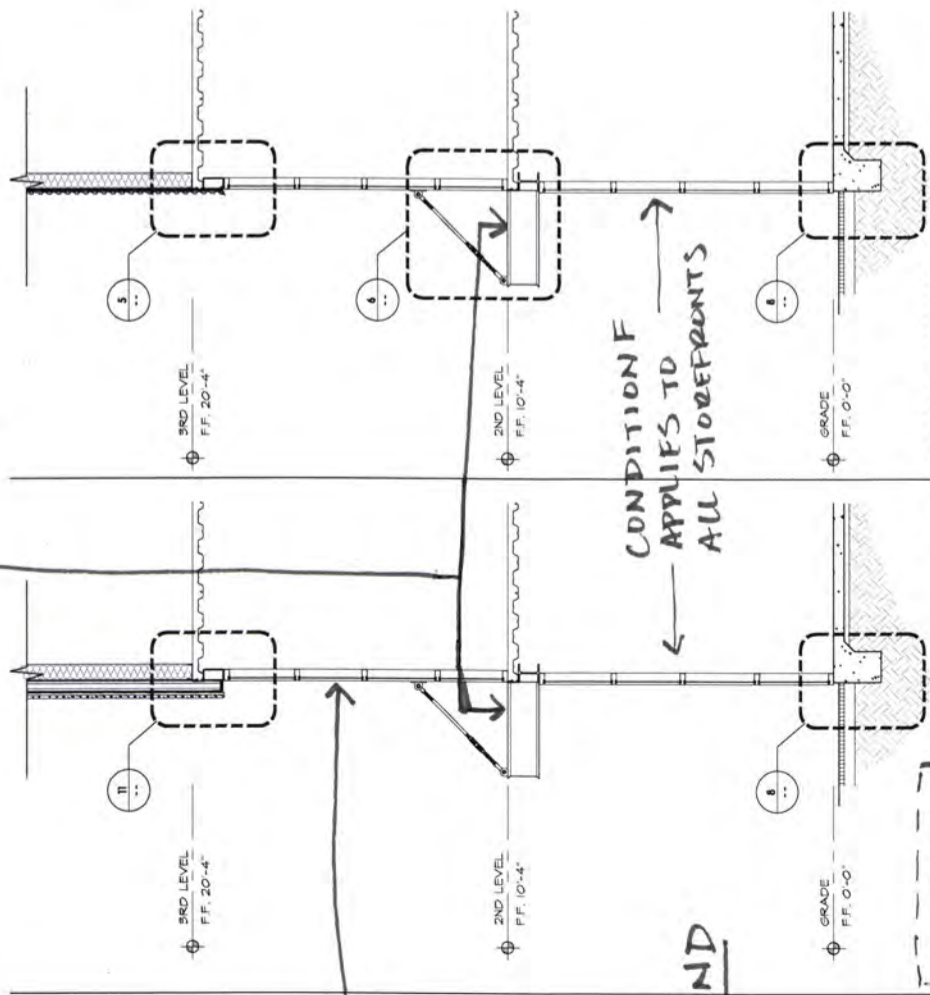
POLAR GRAPH

ENORA NSPEC LIGHTING

17-144195 D2
EXHIBIT C-9

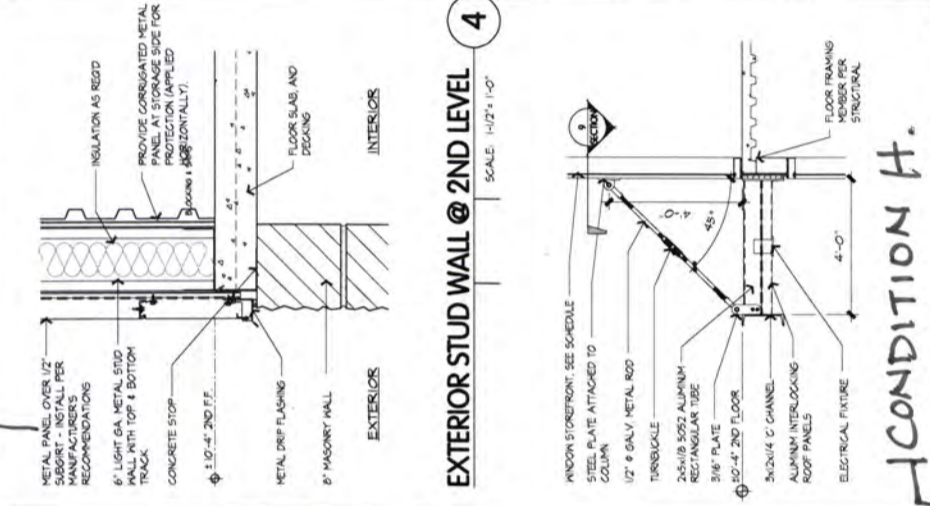
City of Portland - Bureau of Development Services
Planner: E. B. [Signature]
Date: 12.13.17
Approved: [Signature]
* This approval applies only to the reviews requested and is subject to the conditions of approval. Additional zoning requirements may apply.

CONDITION H.



CONDITION F APPLIES TO ALL STOREFRONTS

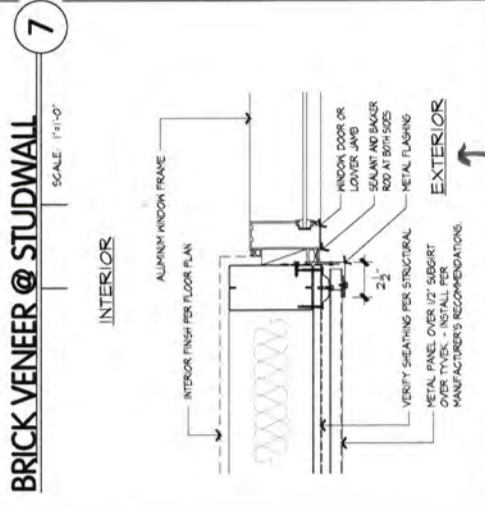
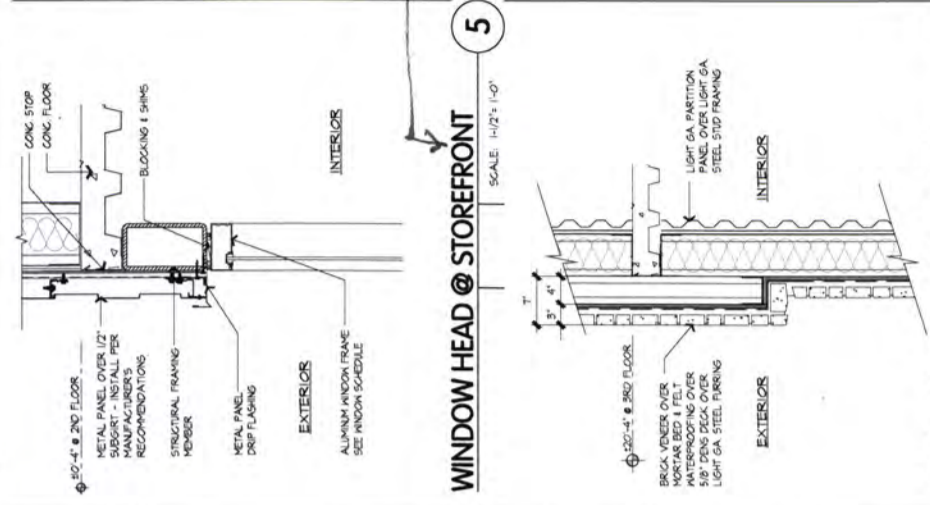
CONDITION I



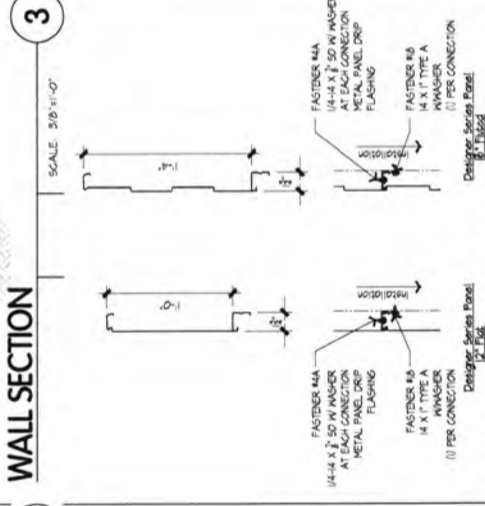
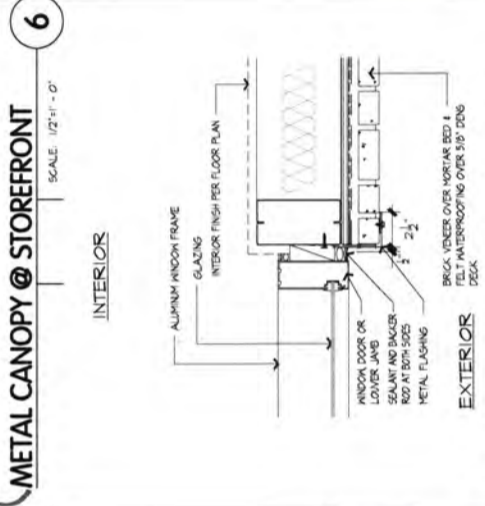
CONDITION H.

Approved*
 City of Portland - Bureau of Development Services
 Planner: P. B. [Signature]
 Date: 12.13.17
 * This approval applies only to the reviews requested and is subject to conditions of approval. Additional zoning requirements may apply.

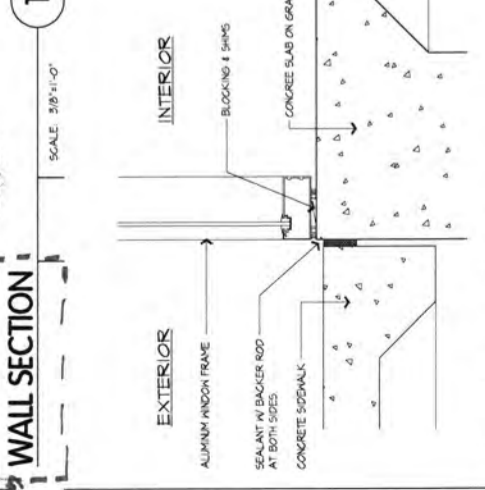
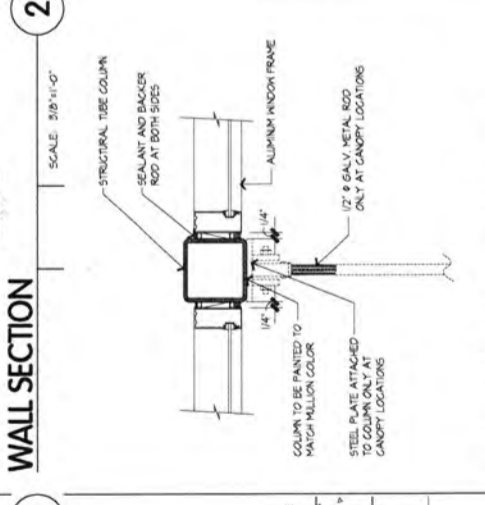
CONDITION F



CONDITION I APPLIES TO ALL FLAT METAL PANEL W/ CONCEALED FAST.



CONDITION I



LEON CAPITAL
 POWELL SELF STORAGE
 PORTLAND, OR.

WALL SECTIONS AND DETAILS

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JOB NUMBER: T7-108
 SCALE: AS NOTED
 DATE: 12/11/2017

Jordan
 ARCHITECTS, INC.

131 CALLE IGLESIA, SUITE 100
 SAN CLEMENTE,
 CA 92672-7341
 Telephone: 949.333.2200
 Fax: 949.333.2205



AAI
Engineering, Inc.
 4875 SW Griffin Drive | Suite 300 | Beaverton, OR 97005
 503 620 3030 | 503 620 5539 fax | www.aaieng.com

PACIFIC NW STORAGE - POWELL
 PORTLAND, OREGON

SITE PLAN
 DATE: 11/22/2017
 DRAWN: DSE
 CHECKED: CNH
 REVISIONS:

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 NOT TO BE USED OR REPRODUCED IN
 ANY MANNER WITHOUT THE WRITTEN
 PERMISSION OF AAI
 ENGINEERING, INC.

C1.0
 SHEET
 JOB NUMBER:
 A16225.11

SHEET NOTES

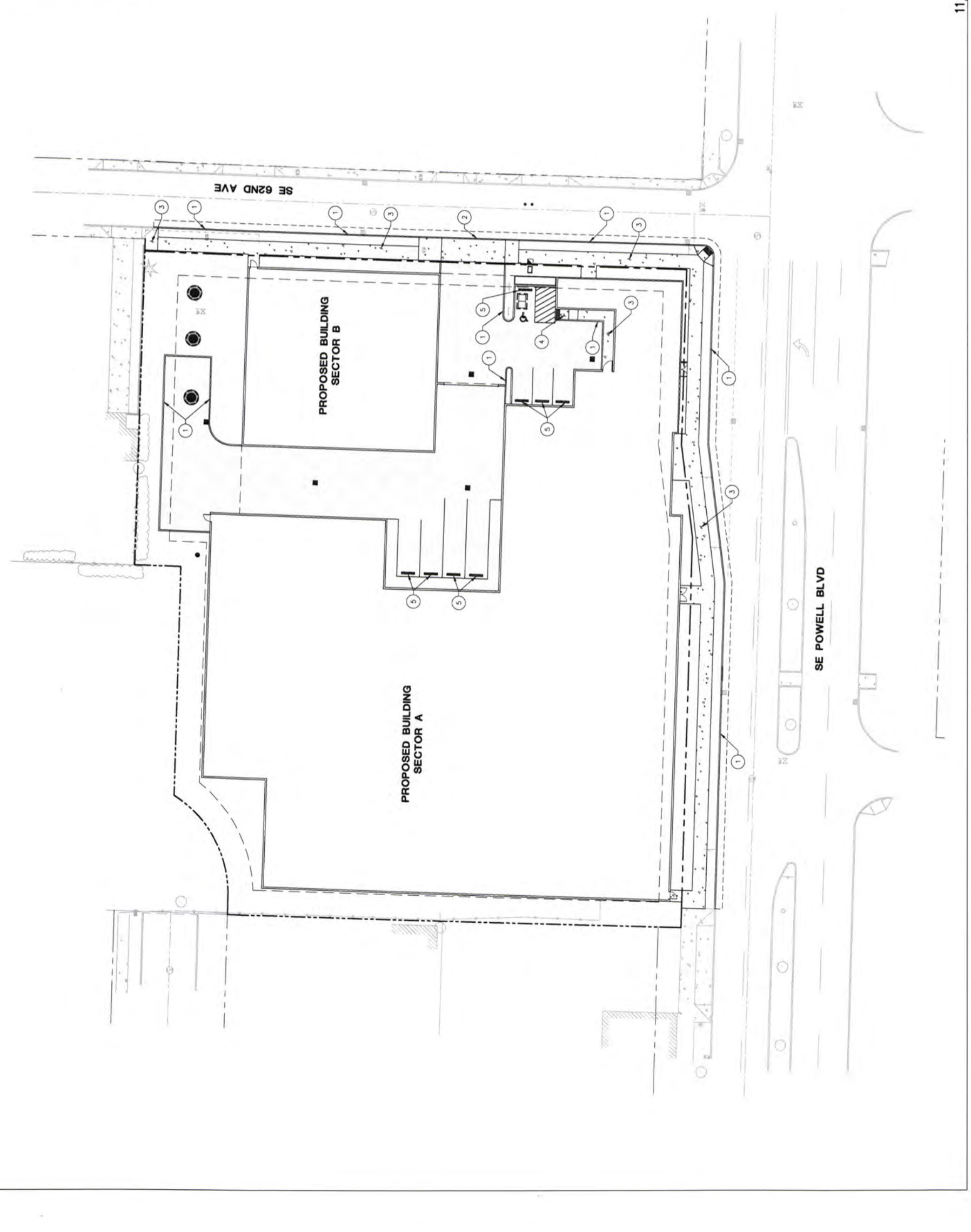
- SEE ARCHITECTURAL PLANS FOR ADDITIONAL SITE INFORMATION.

(X) SITE NOTES

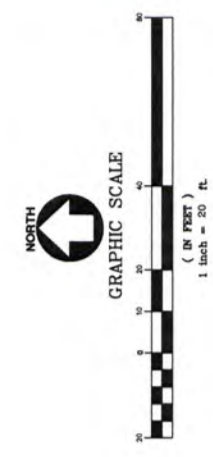
- CONSTRUCT STANDARD CONCRETE CURB.
- CONSTRUCT STANDARD CONCRETE DRIVEWAY.
- CONSTRUCT STANDARD CONCRETE SIDEWALK.
- CONSTRUCT CONCRETE ADA RAMP.
- INSTALL CONCRETE WHEEL STOPS.

LEGENDS

- PROPERTY LINE
- ASPHALT SURFACING



Approved
 City of Portland - Bureau of Development Services
 Planner: *P. Ball*
 Date: 12.13.17
 * This approval applies only to the reviews requested and is subject to all conditions of approval. Additional zoning requirements may apply.



11/22/2017 - DESIGN REVIEW RESUBMITTAL

17-144195 DZ EXHIBIT C-12

PACIFIC NW STORAGE - POWELL

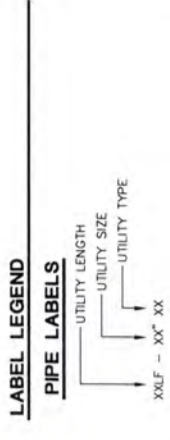
PORTLAND, OREGON

AAI
 alyhan associates, inc.
 4875 SW Griffith Drive | Suite 300 | Beaverton, OR | 97005
 503 620 3030 tel | 503 620 5539 fax | www.aaieng.com



UTILITY PLAN
 DATE: 11/22/2017
 DRAWN: DSE
 CHECKED: CNH
 REVISIONS:
 SHEET
C3.0
 JOB NUMBER: A16225.11

- SHEET NOTES**
1. ALL SANITARY PIPING SHALL BE PVC 3034 OR APPROVED EQUAL AT 1.0% MIN, UNLESS NOTED OTHERWISE.
 2. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF PRIVATE UTILITIES SUCH AS GAS, TELEPHONE, POWER, CABLE TELEVISION, ETC. CONFIRM VAULT LOCATIONS WITH ENGINEER.
 3. THIS PLAN IS GENERALLY DIAGRAMMATIC. IT DOES NOT SHOW EVERY JOINT, BEND, FITTING, OR ACCESSORY REQUIRED FOR CONSTRUCTION.
 4. CLEAN OUTS SHALL BE INSTALLED IN CONFORMANCE WITH UPC CHAPTER SEVEN, SECTION 707 AND SECTION 719. NOT ALL REQUIRED CLEAN OUTS ARE SHOWN.
 5. PROVIDE DRAINAGE FROM WATER METER AND CHECK VALVE VAULTS AS REQUIRED BY THE JURISDICTION.
 6. ROOF DRAINS WILL CONNECT TO DRYWELL AND SWALE IN FINAL DESIGN.



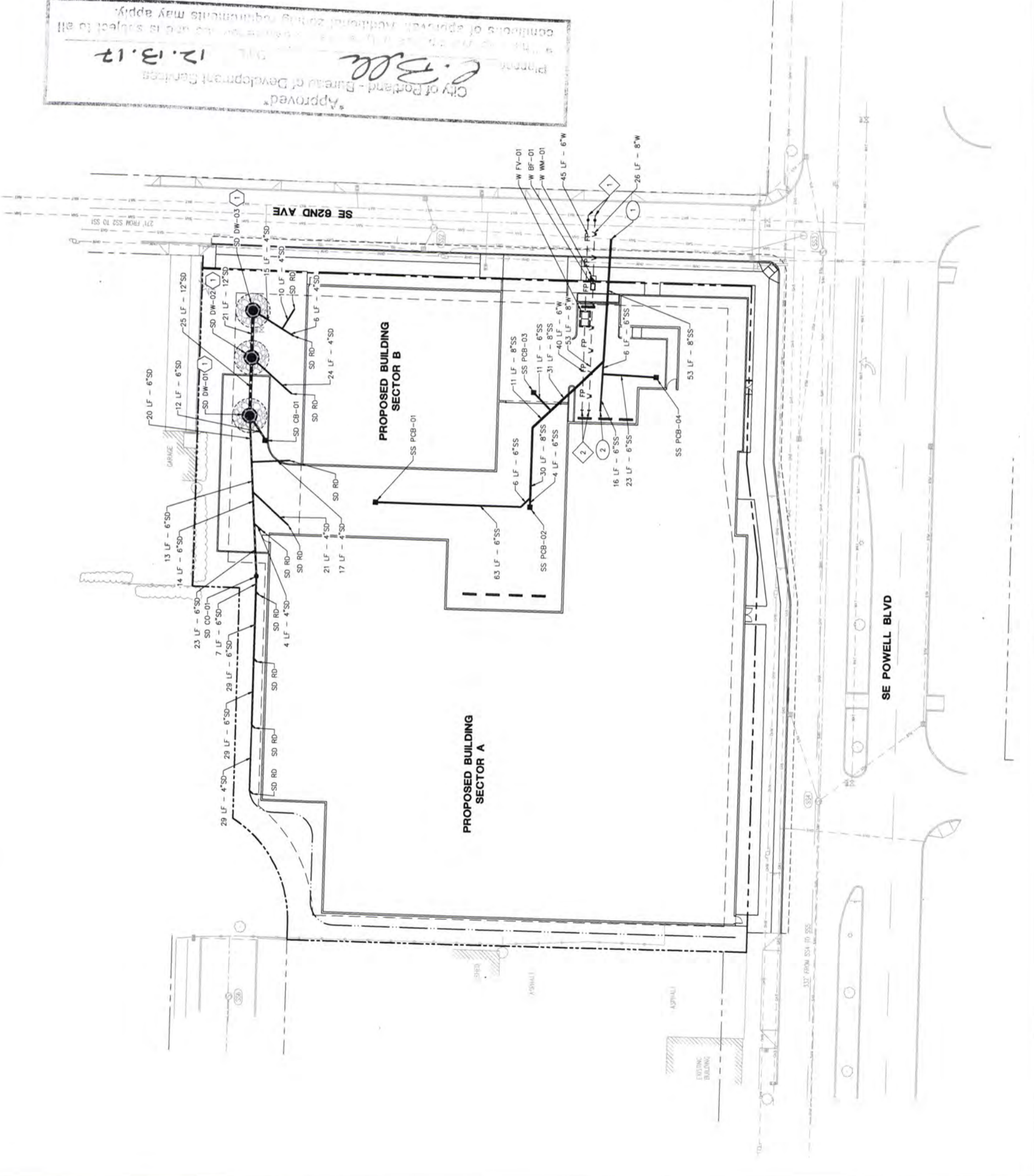
- WATER NOTES**
1. TIE-IN TO EXISTING WATER MAIN.
 2. SEE PLUMBING FOR WATER CONTINUATION.

- SANITARY NOTES**
1. TIE-IN TO EXISTING COMBINED SEWER.
 2. SEE PLUMBING FOR SANITARY CONTINUATION.

- STORM NOTES**
1. DRYWELL CENTERED IN 5" OF GRANULAR ROCK 10' BELOW SURFACE.



Approved
 City of Portland - Bureau of Development Services
 12.13.12
 Conditions of approval, additional zoning requirements may apply.



11/22/2017 - DESIGN REVIEW RESUBMITTAL

17-144195 DL

EXHIBIT C-14

PACIFIC NW STORAGE - POWELL

PORTLAND, OREGON

AAI ENGINEERING
 aai@aaiconsultants.com
 4875 SW Griffin Drive | Suite 300 | Beaverton, OR | 97005
 503.620.3030 tel | 503.620.5539 fax | www.aaieng.com

PREMIER ARCHITECT
 1000 NE Oregon Street, Suite 200
 Portland, OR 97232
 503.255.1111

LANDSCAPE PLAN
 DATE: 11/22/2017
 DRAWN: YTN
 CHECKED: YTN
 REVISIONS:
 SHEET
 L1.0
 JOB NUMBER: A16226.20

PLANTING LEGEND

QUANTITIES ARE FOR OVERALL SITE

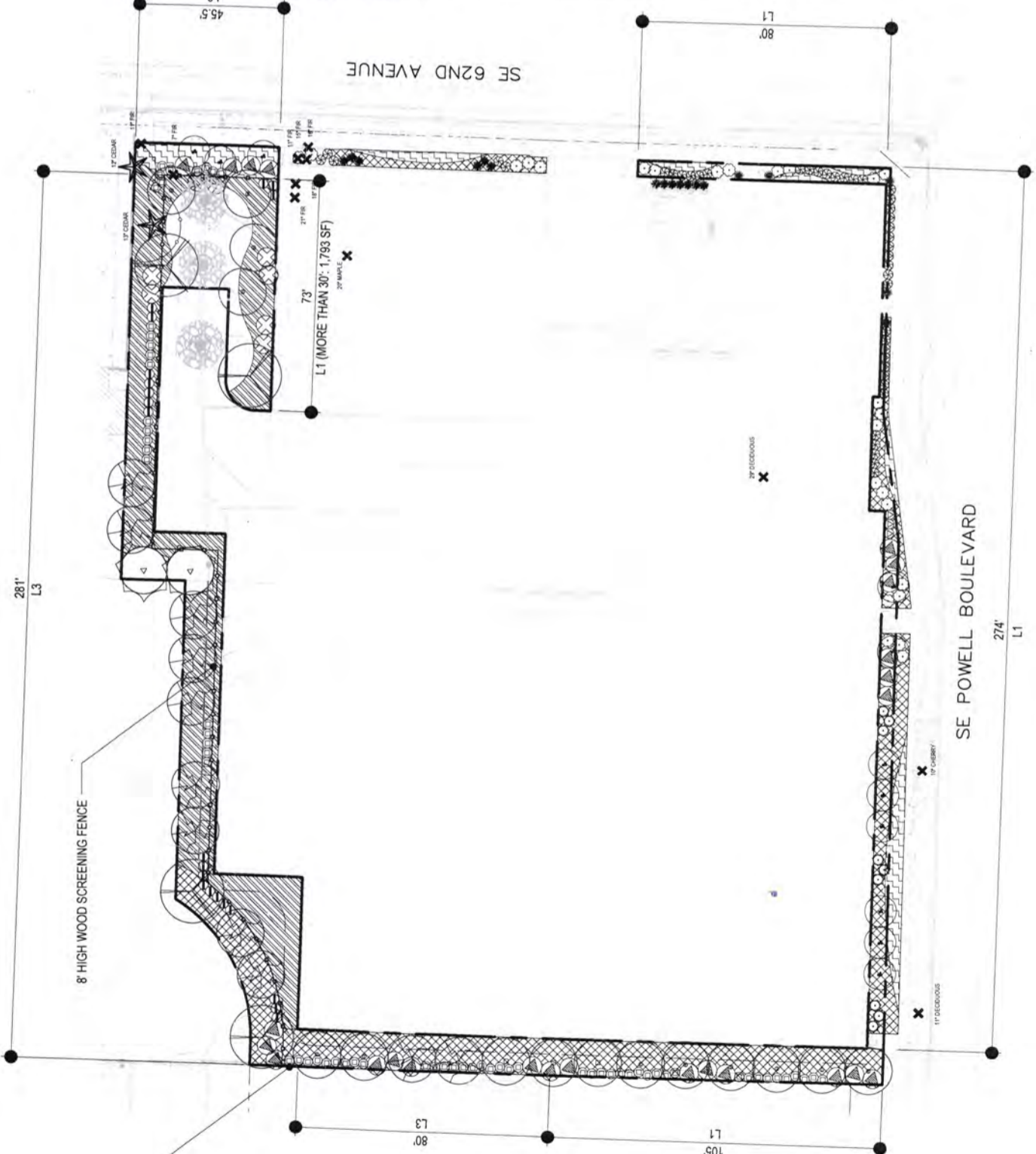
TREES	SIZE	QTY	SCIENTIFIC NAME / COMMON NAME
MED	12		ACER RUBRUM / BURNING RED MAPLE
SML	3		CARPINUS BETULUS FRANS FONTAINE / FRANS FONTAINE EUROPEAN HORNBEAM
SML	9		CUPRESSUS SEMPERVIRENS SWAN'S GOLDEN ITALIAN CYPRESS
SML	11		QUERCUS ILEX / HOLLY LEAF OAK
SML	11		QUERCUS LAEVIS / WHITE OAK
SML	11		QUERCUS PRINCEPIUM / PRINCEPIUM OAK
SML	11		QUERCUS ROBUR / COMMON EUROPEAN OAK
SML	4		STYRAX JAPONICA / JAPANESE SWEET GUM
SML	2		TRILIA PLICATA / HOGAN - HOGAN WESTERN RED CEDAR
SML	8		TRILIA PLICATA / HOGAN - HOGAN WESTERN RED CEDAR

* SIZE: SML - SMALL, MED - MEDIUM, LRG - LARGE

SHRUBS	SIZE	QTY	SCIENTIFIC NAME / COMMON NAME
2			ABELIA GRANDIFLORA / GLOSSY ABELIA
11			ARTEMISIA ARBUSCULOSA / GARDEN RUSSULA
5			CHAMAECIPARISS OBLONGA / MOUNTAIN LAUREL
21			ELAEAGNUS ARGENTEA / SILVER CHERRY
65			HEBELE LAETEVENSIS / HEBE
8			HYDRANGEA LYNCHII / LYNCH'S DOGWOOD
12			IRIS SIBIRICA / SIBIRIAN IRIS
26			ORNITHOGALUM FALCATEUM / STAR OF BETHLEHEM
34			PRUNELLA DOMESTICA / COMMON PLUM
31			PRUNELLA SP. / PLUM
176			RUPESTRIS FORTUNEI / GOLD SPASH / GOLD SPASH WINTERREEPER
133			SAURURUS CATAWBIENSIS / CATAWBIA
331			SAURURUS CATAWBIENSIS / CATAWBIA

- ### NOTES
- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT CITY OF PORTLAND STANDARDS AND THE OREGON STRUCTURAL SPECIALTY CODE
 - INSTALL EROSION CONTROL SYSTEMS IN ACCORDANCE WITH CITY OF PORTLAND STANDARDS PRIOR TO SITE WORK AND LANDSCAPE INSTALLATION
 - MARK AND PROTECT ALL UTILITIES, SITE FEATURES AND VEGETATION TO REMAIN IN PLACE
 - CONTRACTOR SHALL PROVIDE TOPSOIL, SOIL AMENDMENTS, AND EROSION CONTROL
 - CONTRACTOR SHALL SUBMIT CERTIFIED TOPSOIL ANALYSIS REPORT FOR OWNER'S APPROVAL PRIOR TO PLANT INSTALLATION
 - CONTRACTOR IS RESPONSIBLE FOR ANY AMENDMENTS TO SOIL PH, FERTILITY AND/OR DRAINAGE CONDITIONS NECESSARY TO ENSURE PROPER GROWING CONDITIONS FOR PROPOSED PLANTINGS
 - ALL PLANTS SHALL BE INSTALLED ACCORDING TO AMERICAN STANDARD SPECIFICATIONS (ANSI Z600.1-2011) AS WELL AS DETAIL DRAWINGS AND SPECIFICATIONS
 - CONTRACTOR SHALL FOLLOW PROVIDER'S INSTRUCTIONS AND RECOMMENDATIONS FOR SEEDING
 - ALL PLANTS SHALL BE PROVIDED BY A FULLY LICENSED, PERMANENT IRRIGATION SYSTEM UNLESS OTHERWISE NOTED
 - CONTRACTOR SHALL INSTALL SANITARIUMS AS PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. VERIFY THE LOCATION WITH THE OWNER PRIOR TO INSTALLATION
 - CONTRACTOR SHALL DESIGN THE IRRIGATION SYSTEM AND PROVIDE OWNER WITH SHOP DRAWINGS FOR APPROVAL
 - PRIOR TO FINAL ACCEPTANCE, CONTRACTOR SHALL PROVIDE OWNER WITH AS-BUILT PLANS OF THE INSTALLATION, COPIES OF ALL OPERATION MANUALS AND WARRANTY DOCUMENTS
 - ALL NEW PLANTS IN LANDSCAPE AREAS SHALL BE MAINTAINED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE

Approved
 City of Portland - Bureau of Development Services
 Planner: *E. Bole*
 Date: 12.13.17
 * This approval applies only to the reviews requested and is subject to all applicable codes and regulations.

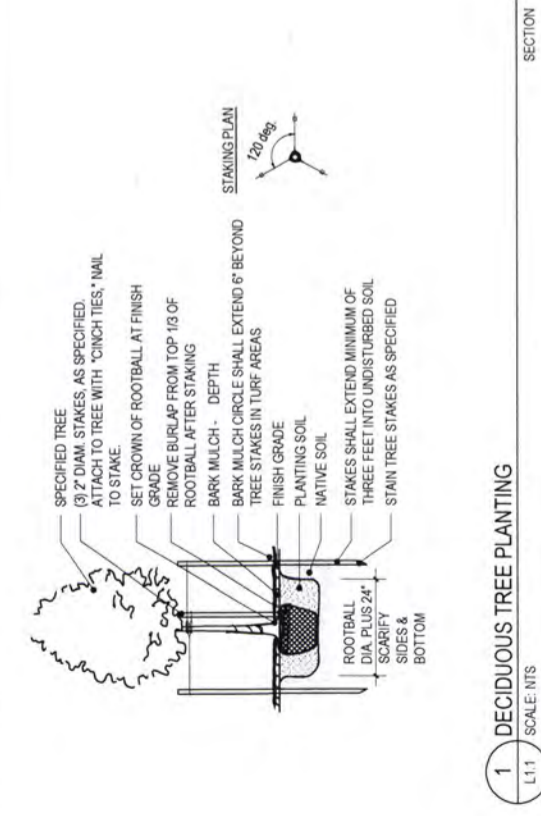


LANDSCAPE PLAN

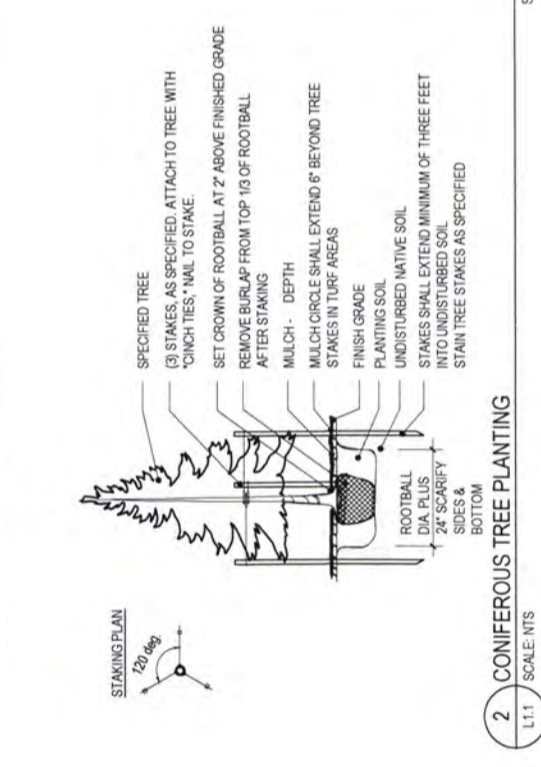
SCALE 1" = 20'

MINIMUM LANDSCAPE AREA	REQUIRED LANDSCAPE LENGTH	PROPOSED TREES	REQUIRED SHRUBS (30' OR WIDER AREAS)	PROVIDED SHRUBS (HIGH SHRUBS)
10,090 SF	105 LF + 274 LF + 80 LF + 73 LF = 532 LF	22 LF (MEDIUM) X 10 = 220 LF 15 LF (SMALL) X 21 = 315 LF TOTAL = 535 LF	15' CAULIPER = 22 LF (MEDIUM) X 2 = 44 LF 12' CAULIPER = 22 LF (MEDIUM) X 2 = 44 LF TOTAL = 88 LF	9

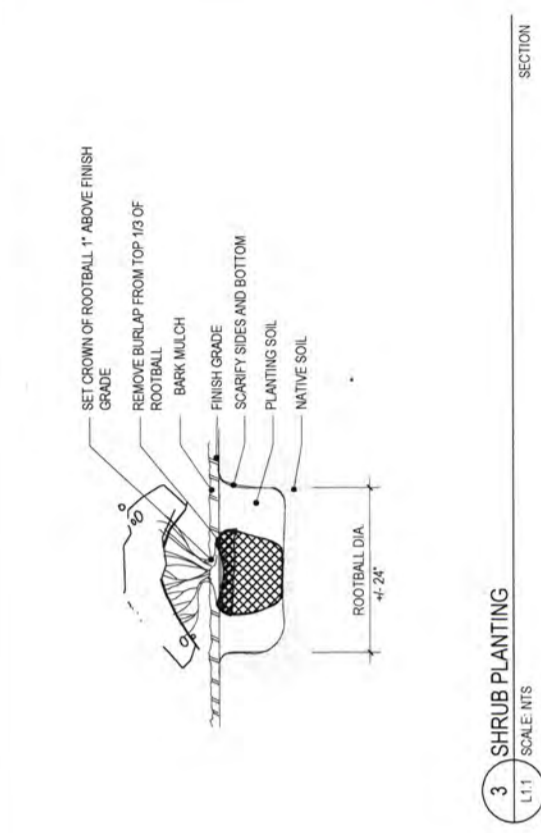
L3 SCREENING (AGAINST RESIDENTIAL ZONES)	REQUIRED SCREEN LENGTH	PROPOSED TREES	EXISTING TREES	PROPOSED SHRUBS (6' HIGH) AND FENCES (8' HIGH)
45.5 LF + 281 LF + 80 LF = 406.5 LF	22 LF (MEDIUM) X 2 = 44 LF 15 LF (SMALL) X 19 = 285 LF TOTAL = 329 LF	15' CAULIPER = 22 LF (MEDIUM) X 2 = 44 LF 12' CAULIPER = 22 LF (MEDIUM) X 2 = 44 LF TOTAL = 88 LF	PROVIDED TREE TOTAL = 417 LF	PROVIDED SHRUBS (6' HIGH) AND FENCES (8' HIGH) 6' HIGH SHRUB = 43 LF 8' HIGH FENCE = 345 LF



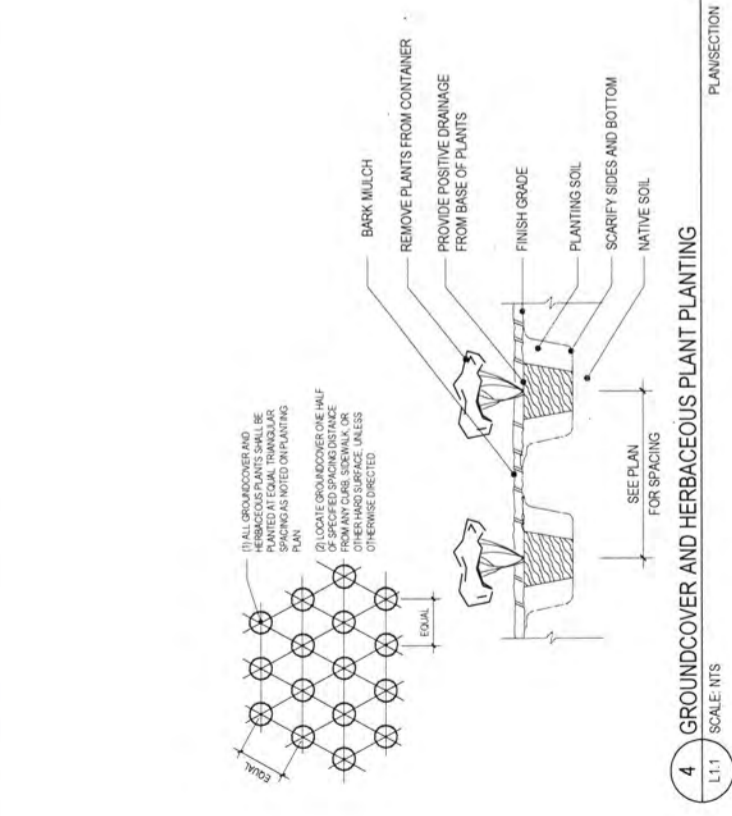
1 DECIDUOUS TREE PLANTING
L1:1 SCALE: NTS



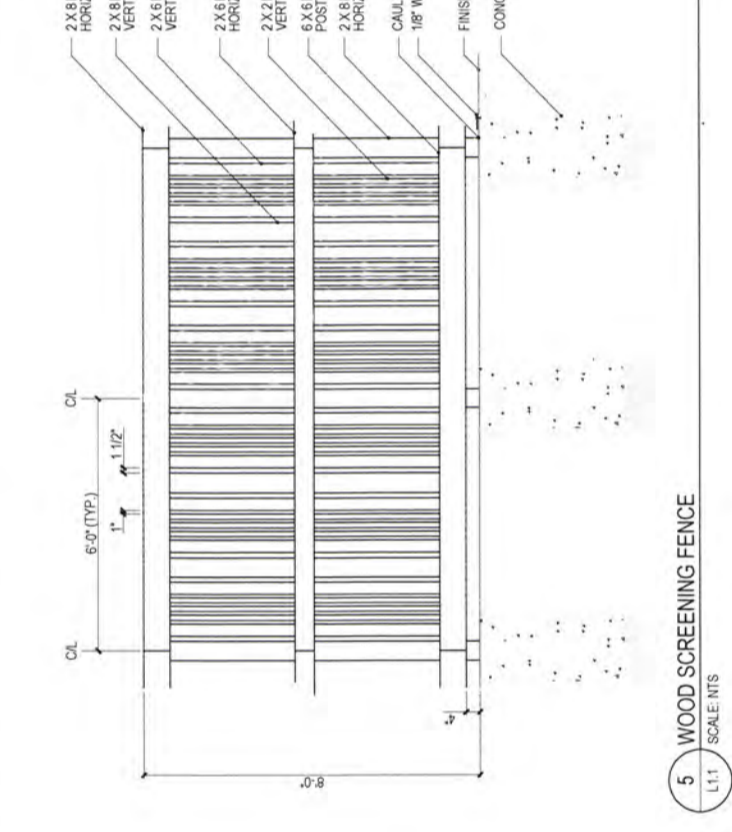
2 CONIFEROUS TREE PLANTING
L1:1 SCALE: NTS



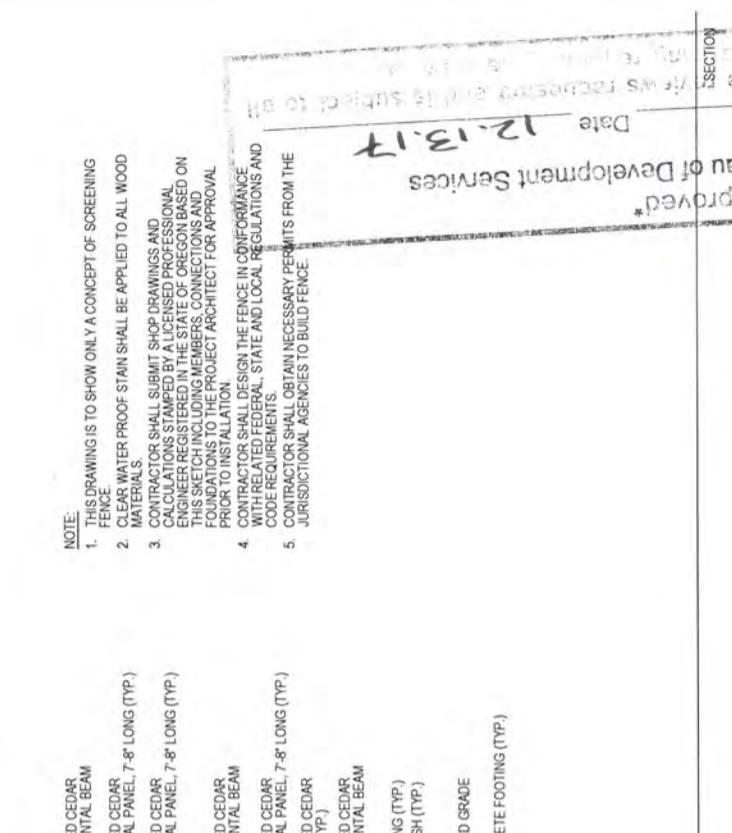
3 SHRUB PLANTING
L1:1 SCALE: NTS



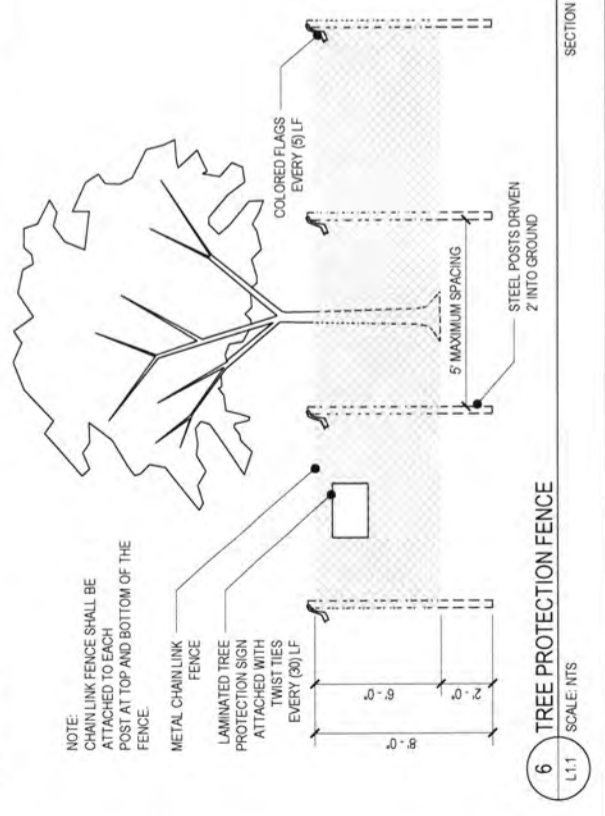
4 GROUNDCOVER AND HERBACEOUS PLANT PLANTING
L1:1 SCALE: NTS



5 WOOD SCREENING FENCE
L1:1 SCALE: NTS



6 TREE PROTECTION FENCE
L1:1 SCALE: NTS



7 TREE PROTECTION SIGN
L1:1 SCALE: NTS

TREE ROOT PROTECTION ZONE

DO NOT REMOVE, ADJUST, OR ENCR OACH ON THIS FENCING TO PROTECT THIS TREE

The fence location and materials are approved by the City of Portland.

FOR MORE INFORMATION OR TO REPORT A SUSPECTED VIOLATION
www.portlandoregon.gov/treecare/6663-823-TREE (8733)

8 TREE ROOT PROTECTION ZONE
L1:1 SCALE: NTS

Approved
City of Portland - Bureau of Development Services
Planner
Date 12.13.17
* This approval applies only to the conditions of approval. Additional conditions may be required. *
* This drawing is subject to the City of Portland's design review process. *
SECTION

PACIFIC NW STORAGE - POWELL

PORTLAND, OREGON

AAI alyhan associates, inc.
 ENGINEERING
 4875 SW Griffin Drive | Suite 300 | Beaverton, OR 97005
 503.620.3030 tel | 503.620.5539 fax | www.aaieng.com

REGISTERED ARCHITECT
 PREMANIYAN ARCHITECTS
 1000 NE Oregon Street, Suite 200
 Portland, OR 97232
 503.241.1111

L2.0

JOB NUMBER:
A16226.20

DATE: 11/22/2017
 DRAWN: YYN
 CHECKED: YYN
 REVISIONS:

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 SHEET

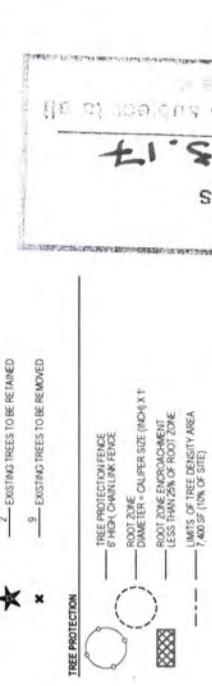
PLANTING LEGEND

QUANTITIES ARE FOR GENERAL SIZE

TREES	SIZE	QTY.	SCIENTIFIC NAME / COMMON NAME
MED	12"	15	QUERCUS ROBUR (SMALL) RED MAPLE
	15"	15	CAL. BAY WELLS BRANCHED, LIMBED TO 8'
SMALL	3"	3	CARPANUS BETULUS TRANS FORTANE / FRANS FORTANE EUROPEAN HORSEBAM
	5"	15	CAL. BAY WELLS BRANCHED, LIMBED TO 8'
SMALL	9"	5	CUPRESSUS SEMPERVERENS SWANE'S GOLDEN / SWANE'S GOLDEN ITALIAN CYPRESS
	15"	15	CAL. BAY WELLS BRANCHED, LIMBED TO 8'
SMALL	11"	15	CORPUS KOEHA SNOW TOWER / SNOW TOWER DOGWOOD
	15"	15	CAL. BAY WELLS BRANCHED, LIMBED TO 8'
SMALL	11"	15	QUERCUS ROBUR (SMALL) RED MAPLE
	15"	15	CAL. BAY WELLS BRANCHED, LIMBED TO 8'
SMALL	4"	15	STYRAX JAPONICA / JAPANESE SPANBELL
	15"	15	CAL. BAY WELLS BRANCHED, LIMBED TO 8'
SMALL	2"	15	TRILIA PULCATA HOOPAY-HO / HOOPAY-HO WESTERN RED CEDAR
	6"	15	BAY WELLS BRANCHED, LIMBED TO 8'

*SIZE: SM - SMALL, MED - MEDIUM, LG - LARGE

★ - EXISTING TREES TO BE RETAINED
 ✖ - EXISTING TREES TO BE REMOVED



City of Portland - Bureau of Development Services
 Planner: *E. Blk*
 Date: 12.13.17
 Approved
 This approval applies only to the reviews requested and is subject to all conditions of approval. Additional zoning requirements may apply.

TREE PRESERVATION SUMMARY

EXISTING TREES TO BE REMOVED

ON-SITE TREES	EXISTING	RETAINED	REMOVED
CALIPER SIZE 6"-12"	3	0	3
12" OR MORE	8	2	6
TOTAL	11	2	9

STREET TREES

CALIPER SIZE	EXISTING	RETAINED	REMOVED
3"-12"	2	0	2
12" OR MORE	0	0	0
TOTAL	2	0	2

TREE PRESERVATION SUMMARY

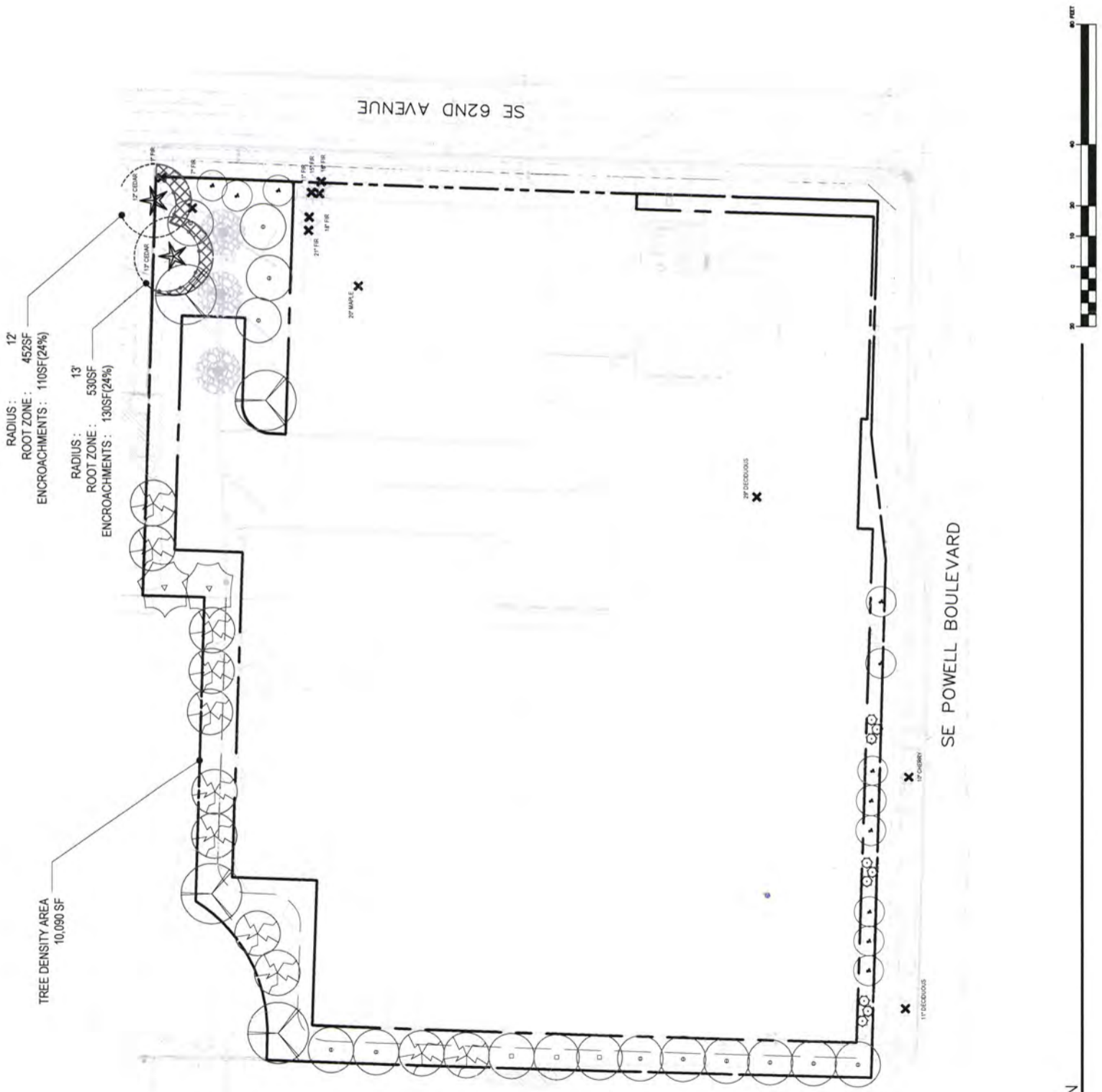
ON-SITE TREES
 1/3 OF 12" MORE CALIPER TREES = 3
 12" OR MORE CALIPER TREES RETAINED = 2
 TREES REQUIRED RESTORATION FEE = 1

ON-SITE TREE DENSITY SUMMARY

SITE AREA = 66,600 SF
 REQUIRED TREE AREA (COMMERCIAL 15%) = 9,990 SF
 PROPOSED TREE AREA = 10,090 SF (15.1%)

PROPOSED TREES
 MEDIUM 500 SF X 12 = 6,000 SF
 SMALL 300 SF X 40 = 12,000 SF

EXISTING TREES
 12" CALIPER = MEDIUM 500 SF X 2 = 1,000 SF
 12" CALIPER = MEDIUM 500 SF X 2 = 1,000 SF
 TOTAL TREE AREA = 20,000 SF (31.0% OF SITE)



CONCEALED FASTENING SYSTEMS



DESIGNER™ SERIES

The Designer™ Series panels provide the toughness of metal while creating an attractive, flexible and functional wall or fascia panel. The Designer™ Series is offered in fluted and flat panels, which are equally effective for new construction or retrofitting existing buildings.

If your design calls for a smooth or flat wall or fascia, look to the Designer™ Series 12.0 Flat Panel. The Designer™ Series 12.0 Flat Panel offers a 1¾-inch deep leg providing the perfect cavity for rigid board insulation.

Features and Benefits:

- The Designer™ Series 16.0 Fluted Panel offers a continuous rib design with a hidden sidelap where the panels join together. Ribs are 4-inches wide and 3/8-inches deep, providing interesting shadow lines along the length of the wall. The panel legs are 1¾-inch deep allowing ample space for rigid board, blanket or batt insulation in the cavity.
- Each panel features concealed fastened systems enhancing the appearance. One leg of the panel is attached to the structure and the other leg snaps securely into the adjoining panel to lock them into position.
- Designer™ Series carries Florida approval.

Product Specifications

- Applications: Wall
- Coverage Widths: 12" (Flat Panel); 16" (Fluted Panel)
- Panel Attachment: Concealed Fastening System
- Gauges: 24 (standard); 22 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic

SEE CONDITION I

Approved
Bureau of Development Services
City of Portland
Date 12.13.17
This approval applies only to the reviews requested and is subject to all conditions of approval. Additional zoning requirements may apply.

Planner
E. Bill
www.mbc.com

HOUSTON, TX | 877.773.6224
ADEL, GA | 888.446.6224
ATLANTA, GA | 877.942.6224

ATWATER, CA | 800.829.9324
DALLAS, TX | 800.653.6224
INDIANAPOLIS, IN | 800.735.6224

LUBBOCK, TX | 800.758.6224
MEMPHIS, TN | 800.206.6224
OKLAHOMA CITY, OK | 800.597.6224

OMAHA, NE | 800.458.6224
PHOENIX, AZ | 888.533.6224
RICHMOND, VA | 800.729.6224

ROME, NY | 800.559.6224
SALT LAKE CITY, UT | 800.874.2404
SAN ANTONIO, TX | 800.598.6224



17-144195 DZ

EXHIBIT C-18

CONCEALED FASTENING SYSTEM DESIGNER™ SERIES

CATEGORY	CHARACTERISTIC	TEST METHOD	PURPOSE	RESULT
STRUCTURAL	Negative Wind Loads	ASTM E 1592	Provides a standard procedure to evaluate or confirm structural performance under uniform static air pressure difference	See Load Chart Section
	Positive Wind Load	AISI S100	North American Specification for the Design of Cold-Formed Steel Structural Members	See Section Properties and Allowable Load Table Section
ROOF LISTINGS	Roof Performance - Florida Approval	ASTM E 1592	Florida product approval is the approval of products and systems, which comprise the building envelope and structural frame, for compliance with the structural requirements of the Florida Building Code	See FL# 11917.1 for 12" Flat Designer Series See FL#11917.2 for 16" Fluted Designer Series

THE BRICK BOOK COLORS | TEXTURES | ASTM Whites & Grays

COLOR*: Desert White
TEXTURE: Mission, Smooth, Rug
TYPE**: Special Order
PLANT: Mica, WA
COLLECTION: N/A
ASTM: ASTM C-216, SW, FBX

• Due to the limitations of photography, the actual product shipped is not guaranteed to duplicate the image shown here. Final color and product selection should be made from actual samples.

• ** Special Order Colors require a minimum order. Additional production time should be allowed.

Considering brick for your project?
For samples and ordering information contact your Mutual Materials Sales Representative or call (888) 688-8250.



17-144195DZ

EXHIBIT C-19

THE BRICK BOOK

COLORS | TEXTURES | ASTM

Reds and Browns

COLOR*: Raven
TEXTURE: Mission, Smooth, Rug
TYPE**: Special Order
PLANT: Columbia, OR
COLLECTION: N/A
ASTM: ASTM C-216, SW, FBX

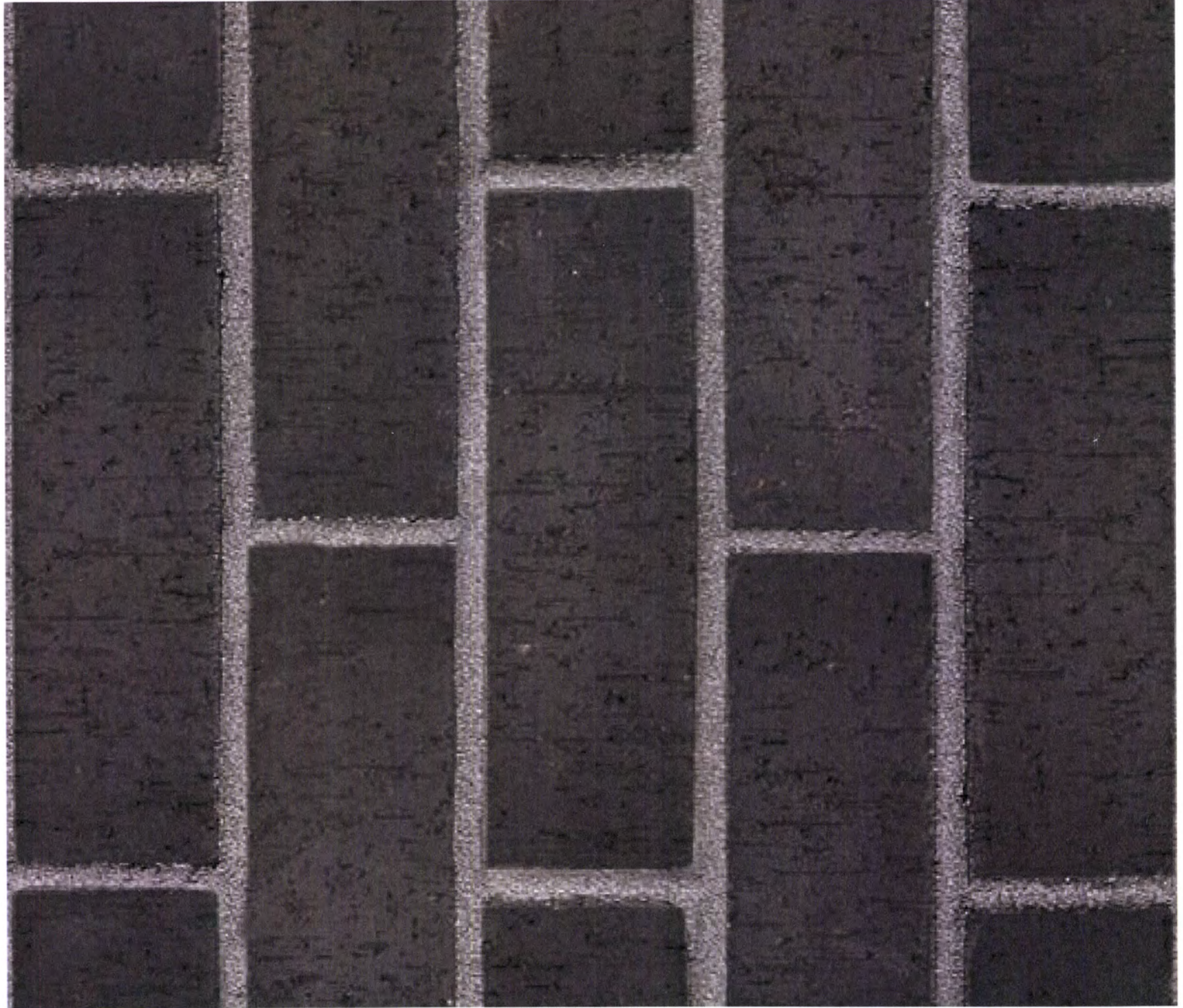
- *Due to the limitations of photography, the actual product shipped is not guaranteed to duplicate the image shown here. Final color and product selection should be made from actual samples.*
- *** Special Order Colors require a minimum order. Additional production time should be allowed.*

Considering brick for your project?

For samples and ordering information contact your Mutual Materials Sales Representative or call (888) 688-8250.



MUTUAL MATERIALS®
www.mutualmaterials.com



COLOR CHART

ARCHITECTURAL

- *Final color selection should be made from actual color chips.*
- For the most current information available, visit our website at www.mbc.com.
- All products are available in smooth or embossed finish.
- Trim is available in all colors.
- Review the sample warranty for complete performance attributes and terms and conditions.

SIGNATURE® 300 STANDARD COLORS



HARBOR BLUE *
SR 28 SRI 27



COLONIAL RED *
SR 34 SRI 35



MEDIUM BRONZE *
SR 35 SRI 34



PACIFIC BLUE *
SR 39 SRI 39



NATURAL PATINA** *
SR 41 SRI 45



SNOW WHITE *
SR 65 SRI 78



ALMOND *
SR 63 SRI 75



MIDNIGHT BRONZE *
SR 29 SRI 28



CLASSIC GREEN *
SR 27 SRI 26



EVERGLADE *
SR 33 SRI 34



BROWNSTONE *
SR 47 SRI 53



TUNDRA *
SR 46 SRI 52



SPRUCE *
SR 36 SRI 38



HUNTER GREEN *
SR 35 SRI 37



BRITE RED** *
SR 49 SRI 55



BONE WHITE** *
SR 70 SRI 85

** Minimum quantities and/or extended lead times required. Please inquire.

Approved
City of Portland - Bureau of Development Services
 Approved by L. Bill Date 12.13.17
 This approval applies only to the reviews requested and is subject to all other requirements of approval. Additional zoning requirements may apply.



1/4

17-144195 DZ

EXHIBIT L-20

SIGNATURE® 200
STANDARD COLORS

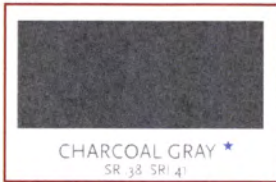
Siliconized Polyester
Polar White is a Straight Polyester.



BURNISHED SLATE*
SR 34 SRI 36



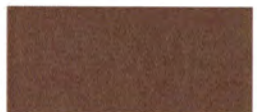
POLAR WHITE*
SR 38 SRI 68



CHARCOAL GRAY*
SR 38 SRI 41



LIGHT STONE*
SR 56 SRI 66



RUSTIC RED*
SR 37 SRI 39



KOKO BROWN*
SR 35 SRI 37



FERN GREEN*
SR 79 SRI 79



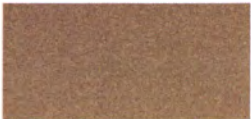
COAL BLACK*
SR 34 SRI 35



HAWAIIAN BLUE**
SR 31 SRI 31

SOLAR WHITE**
SR 71 SRI 86

SIGNATURE® 300
METALLIC



COPPER METALLIC**
SR 46 SRI 51



SILVER METALLIC*
SR 52 SRI 58

Metallic coatings are directional. Panels and trim must be installed oriented in the same direction to prevent perceived shade variances.

** Minimum quantities and/or extended lead times required. Please inquire.

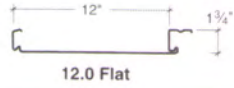
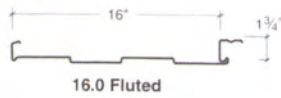
Signature® is a registered trademark of NCI Group, Inc.



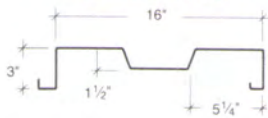
* ENERGY STAR® Qualified



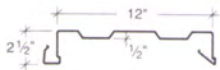
DESIGNER® SERIES



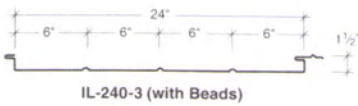
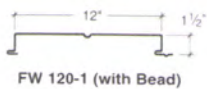
SHADOWRIB™



NUWALL®

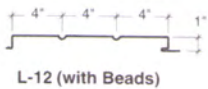
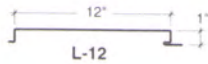


WALL / LINER PANELS



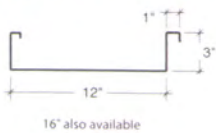
IL-180-0, IL-180-2 (with Beads) & IL-240-0 also available

ARTISAN® SERIES



L-8 & L-10 also available

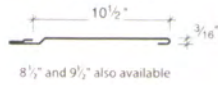
CLASSIC® SERIES



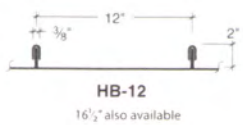
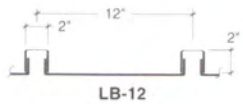
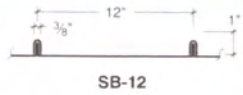
QWIKLOK™



FLEXLOC®

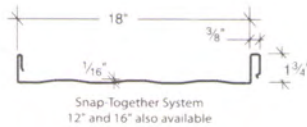


CRAFTSMAN™ SERIES

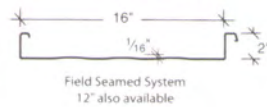


STANDING SEAM Vertical Leg

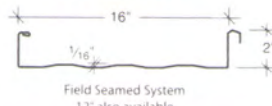
LOKSEAM®



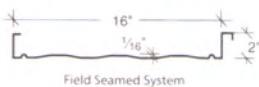
BATTENLOK® HS



SUPERLOK®

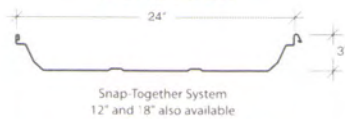


CURVED BATTENLOK®

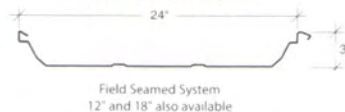


Trapezoidal Leg

ULTRA-DEK®



DOUBLE-LOK®



SR/SRI CHART

SIGNATURE® 300		
	SR #	SRI #
HARBOR BLUE	.28	27
COLONIAL RED	.34	35
MEDIUM BRONZE	.33	34
PACIFIC BLUE	.29	29
HUNTER GREEN	.35	37
SNOW WHITE	.65	78
SLATE GRAY	.37	39
ALMOND	.63	75
MIDNIGHT BRONZE	.29	28
CLASSIC GREEN	.27	26
EVERGLADE	.33	34
BROWNSTONE	.47	53
TUNDRA	.46	52
SPRUCE	.36	38
NATURAL PATINA	.41	45
BRITE RED	.49	55
BONE WHITE	.70	85

SIGNATURE® 300 METALLIC		
	SR #	SRI #
COPPER METALLIC	.46	51
SILVER METALLIC	.52	58

SIGNATURE® 200 - SILICONIZED POLYESTER		
	SR #	SRI #
BURNISHED SLATE	.34	36
POLAR WHITE	.58	68
CHARCOAL GRAY	.38	41
LIGHT STONE	.56	66
HAWAIIAN BLUE	.31	31
RUSTIC RED	.37	39
KOKO BROWN	.35	37
FERN GREEN	.29	29
COAL BLACK	.34	35
SOLAR WHITE	.67	86

3/4

SOLAR REFLECTIVITY (SR)

Solar reflectivity or reflectance (SR) is the ability of a material to reflect solar energy from its surface back into the atmosphere. The SR value is a number from 0 to 1.0. A value of 0 indicates that the material absorbs all solar energy and a value of 1.0 indicates it is all reflected. ENERGY STAR[®] requires SR testing of both new and aged roof products. New products must have an SR value of 0.25 or higher for steep slope (above 2:12) roofing and an SR value of 0.65 or higher for low slope (2:12 or less) roofing. Aged testing takes three years to complete, so not all products that meet the initial requirements are qualified. For more information, please visit www.energystar.gov.

SOLAR REFLECTANCE INDEX (SRI)

The SRI is used to determine compliance with LEED requirements and is calculated according to ASTM E 1980 using values for reflectance and emissivity. Emissivity is a material's ability to release absorbed energy. To meet LEED requirements, a roofing material must have an SRI of 29 or higher for steep slope (above 2:12) roofing and an SRI value of 78 or higher for low slope (2:12 or less) roofing. For more information, please visit www.usgbc.org.



CUSTOM COLORS AND ACCESSORIES

If you're looking for a color that isn't on our chart, let us know and we'll work with you to find the exact color offering you need. MBCI also has a large selection of standard trim and flashing for each of its metal roof and wall panels. All trim and flashing are available in the same gauge and finish as our panel systems. Additionally, MBCI can make most any custom trim you require. Gutter systems are also available and can be ordered to match or in any other color you choose.

For complete performance specifications, product limitations and disclaimers, please consult MBCI's Paint and Galvalume Plus[®] warranties. Upon receipt of payment in full, these warranties are available by request for all painted or Galvalume Plus[®] prime products. Contact your local MBCI Sales Representative or visit www.mbc.com for sample copies.

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Dallas, TX | 800.653.6224

Indianapolis, IN | 800.735.6224
Lubbock, TX | 800.758.6224
Memphis, TN | 800.206.6224
Oklahoma City, OK | 800.597.6224
Omaha, NE | 800.458.6224

Phoenix, AZ | 888.533.6224
Richmond, VA | 800.729.6224
Rome, NY | 800.559.6224
Salt Lake City, UT | 800.874.2404
San Antonio, TX | 800.598.6224

MBCI[®]
Metal Roof and Wall Systems

11-16
4/4

GSL SERIES

NEW

GARAGE/SURFACE/LED

Cat.#

Job

Type



HUBBELL
Outdoor Lighting

Approvals

SPECIFICATIONS

Intended Use:

Ceiling applications from eight to fifteen feet for box or pendant mount. Applications include parking garage, walkway or building canopies, corridors, tunnels, large stairwells and other interior applications with ambient up to 40°C. Two lumen packages and optical distributions are available making the GSL Series luminaire both versatile and functional.

Construction:

- Vertically finned cast aluminum housing for maximum heat dissipation ensuring long component life and luminaire performance
- IP66 luminaire rating
- Durable gray powder coat paint finish
- Two 1/2" threaded hubs for accessories

Optics/Electrical

LED:

Two lighting distributions are included: Type V square (installed), Type II rectangle (in carton). Each LED has individual optical grade PMMA acrylic lens to ensure repeatable photometrics and enhanced performance. The design's overlapping redundant patterns of light ensure consistent light level uniformity regardless of the unit being in a dimmed mode or number of LEDs illuminated

- CCT: 4000K (70 CRI)
- Lumen packages ranging from 6,000 – 8,400 with 15 or 21 LEDs
- Wattage: 53 or 75
- Lumens per watt: 111-113
- 15KA surge protection included standard

Drivers:

- Single constant current, 1050mA, IP66 and RoHS compliant
- 120V-277V, 50/60hz, > 90% Power Factor, < 20% THD
- 0-10V dimming (dimming leads pulled and staged for easy sensor installation)

Controls:

- Programmable motion sensor option available. Stand alone photocell only available as an accessory to be ordered separately and field installed

Installation:

Mounts directly to 4" junction boxes or 3/4" pendant stems, making the fixture adaptable for multiple applications. Each mounting can be accomplished while maintaining a watertight seal.

- Designed for up to 40° C ambient temperatures
- Minimum operating temperature is -30°C/-22°F
- Hinged mounting plate for easy single person installation

Listings:

Listed to UL 1598 for use in wet locations, 40° C ambient environments; IP66

- DesignLights Consortium (DLC) Qualified, consult DLC website for more details: <http://www.designlights.org/QL>

Warranty:

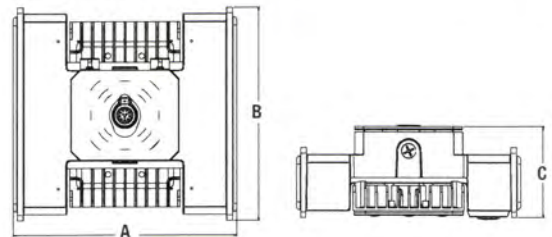
Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

PRODUCT IMAGE(S)



Top mounting bracket

DIMENSIONS



A	B	C	Weight:
12.5"	12.01"	5.21"	13.8 lbs
(317.5 mm)	(304 mm)	(132 mm)	6.25 kg

CERTIFICATIONS/LISTINGS



IP66



ORDERING INFORMATION

ORDERING EXAMPLE: GSL-15L

GSL

-

-

Planner

Approved
City of Portland - Bureau of Development Services

E. Blk Date 12.13.17

... only to the reviews requested and is subject to ...
... Additional zoning requirements may apply

SERIES	NUMBER OF LEDS	OPTION
GSL garage/surface LED	15L 15 LEDs 21L 21 LEDs	SCP ¹ Programmable motion control, with built in photocell, factory default is 10% light output

¹ Must order minimum of one SCP-REMOTE to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings. 120V-277V only

ACCESSORIES/REPLACEMENT PARTS - Order separately

CATALOG NUMBER	DESCRIPTION
GSL-SPC	Vandal shield, polycarbonate
GSL-CS	Comfort shield, acrylic, improved uniformity, 8% lumen reduction
93048453	Programmable motion sensor (High/low or on/off capability, user programmable low settings) Must also order lens 95005520 and at least (1) SCP-REMOTE per project to program
95005520	Motion sensor lens (wide lens, 48 ft. diameter, 16ft. maximum mounting height)
PTA-1	120V button photocell with 1/2" thread
PTA-8	120V - 277V button photocell with 1/2" thread
SCP-REMOTE	Infrared IR remote control to program motion sensor (Minimum 1 required per project)
GSL-MTG-PL	Hinged mounting plate
GSL-LENS-M	15 and 21 LED lens for symmetrical Type V
GSL-LENS-R	15 and 21 LED lens for asymmetrical Type II rectangular
GSL-Protector	15 KA surge protector



HUBBELL
Outdoor Lighting

Hubbell Outdoor Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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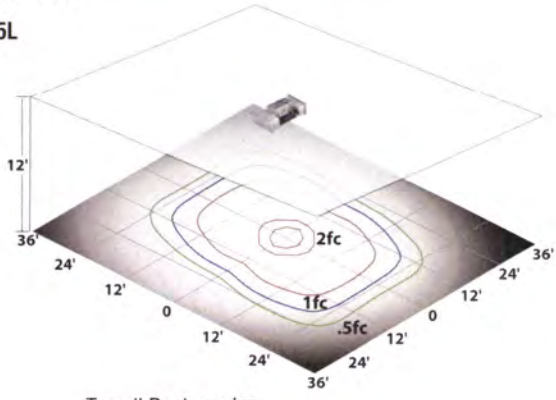
GSL-SPEC 5/17

17-144195 DZ

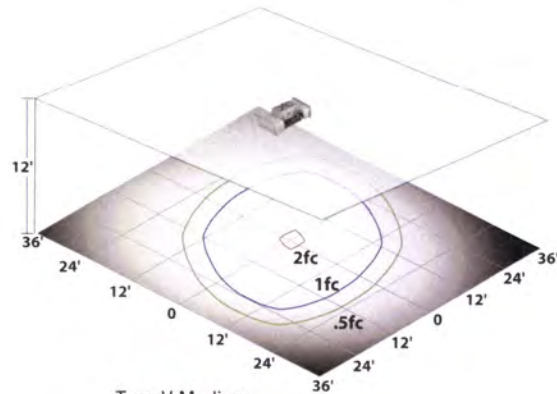
EXHIBIT C-24

PHOTOMETRICS

GSL-15L

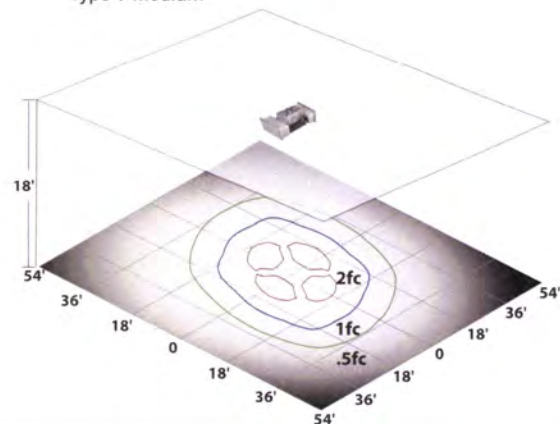
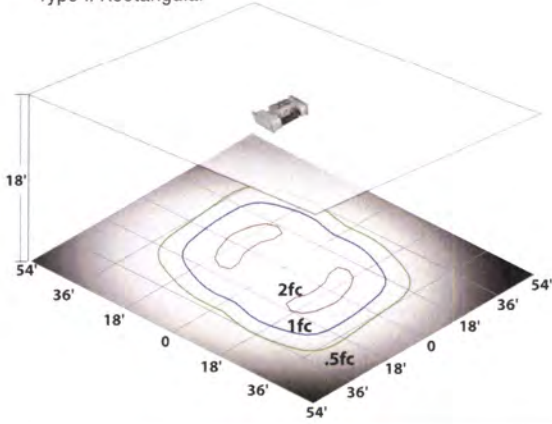


Type II Rectangular



Type V Medium

GSL-21L



PERFORMANCE DATA

# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	4K (4000K nominal, 70 CRI)				
				LUMENS	LPW ¹	B	U	G
15	1050 mA	53	5M	6017	113	3	1	1
			5R	5977	112	2	1	2
21		73	5M	8424	112	3	2	2
			5R	8344	111	3	2	2

¹Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	0	25,000	50,000	TM-21-11 60,000	100,000	Calculated L70 (HOURS)
40°C / 104°F	0.99	0.92	0.86	0.89	0.77	>142,000

¹ Projected per IESNA TM-21-11
Data references the extrapolated performance projections for the **GSL-21L** base model in a 40°C ambient, based on 6,000 hours of LED testing per IESNA LM-80-08.

ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
15	1	(1050 mA) STD.	120	53	0.45
			277	53	0.19
21	1		120	75	0.62
			277	75	0.27

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE	AMBIENT TEMPERATURE	LUMEN MULTIPLIER
0° C	32° F	1.02
10° C	50° F	1.01
20° C	68° F	1.00
25° C	77° F	1.00
30° C	86° F	1.00
40° C	104° F	0.99
50° C	122° F	0.98

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

MOUNTING OPTIONS & ACCESSORIES

Control Option



Field installable motion control sensor option available for maximum energy-savings - **93048453** and **95005520** (order separately)

Photocontrol



Field installable photocontrol option available for energy-saving dusk-to-dawn operation - **PTA-1** and **PTA-8** (order separately)

Mounting Options



4" junction box or 3/4" threaded pendant mount, hinged mounting plate for easy single person installation

Lens Options



Two high performance lenses included, provides choice of symmetrical and asymmetrical distribution for optimum lighting performance - **GSL-LENS-M** and **GSL-LENS-R**

Shielding Options



Two shield options available: clear vandal shield and frosted comfort shield for reduce glare - **GSL-SPC** and **GSL-CS** (order separately)

NOX-563

5"/6" LED Onyx Series

LED 750 Lumen / 12.5 Watt max

Type
Project
Catalog No.
Lamp/Wattage

PRODUCT DESCRIPTION

The Onyx Series LED fixture is suitable for use with a 5" or 6" recessed housing by Nora or others. The Onyx produces even illumination without diode image. The low profile dimmable unit is cULus wet listed and produces 750 lumens at 90+ CRI. Deep set optic for visual comfort.

FEATURES:

- 750 lumens
- High color rendition: 90+ CRI
- 120V / 12.5 max Watts
- 2700K, 3000K or 4000K
- Integral driver
- Dimmable
- Recessed mount into 5" or 6" housing. Includes medium base socket adaptor for easy retrofitting in 5" or 6" recessed housings.
- Quick connector is compatible with Nora NHIC -5LMRAT / NHIC-6LMRAT and NHRIC-5LMRAT / NHRIC-6LMRAT dedicated LED housings. Required by some codes in recessed can applications or to meet energy rebate program requirements.

CONSTRUCTION:

Two adjacent spring steel mounting wires allow for easy and secure mounting in most 5" or 6" housings. Unitized Thermal Management, UTM, One piece aluminum die formed housing and trim. Aluminum body dissipates heat and extends life.

OPTICS:

Nora specified and designed precision molded lens for optimal lumen output and even distribution. The white polymer lens diffuser evenly distributes the light.

ELECTRICAL:

Lumen Output: 750lm
 CRI: 90+
 Power: 12.5W max
 Dimmable: 5% with electronic low voltage dimmer or 10% with 2-wire dimmer

HOUSINGS:

Compatible with most 5" or 6" IC and non-IC Housings

FINISHES:

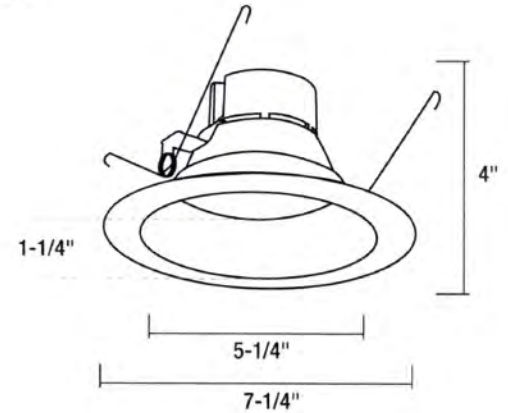
White

LABELS & LISTINGS:

Energy Star Listed.
 cULus Wet Listed
 CEC Title 24 Listed
 Meets ASTM-E283 Air Tight requirements
 5 Year Limited Warranty on the Onyx Series



DIMENSIONS



NOX-563

Diameter: 7-1/4"
 Aperture: 5-1/4"
 Height: 4"



Medium Base Socket

Included for quick retrofit to medium base screw in housings.

DIMMERS:

[Click Here](#) or refer to www.NoraLighting.com for complete updated dimmer list in the "Compatibility" page under the "Resource" tab.

5"/6" LED Onyx Series

Catalog No.	CCT	Finish
NOX-5631 Reflector	27 = 2700K	WW = White
NOX-5632 Baffle	30 = 3000K	
	40 = 4000K	

Create a complete Item number, Example: NOX-563140WW 5" or 6" Onyx LED retrofit, reflector style, 4000K and White finish.

NOX-563 Photometric
 Tested Model: NOX-563127WW

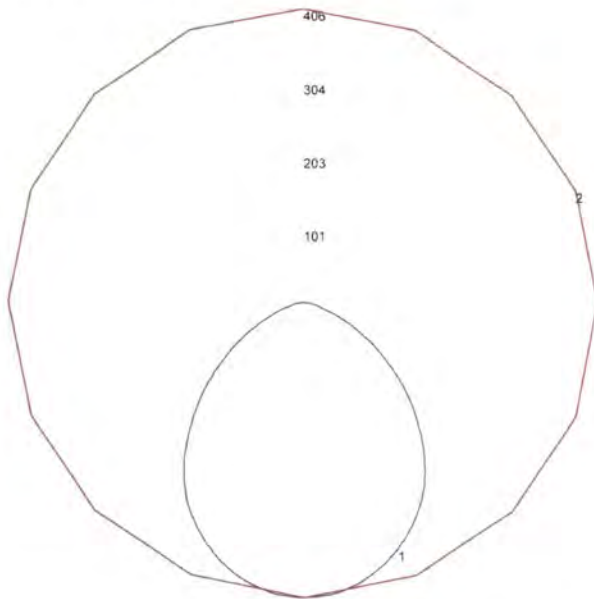
Type
Project
Catalog No.
Lamp/Wattage

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76
3	94	85	77	72	92	83	76	71	80	75	70	78	73	69	75	71	68	66
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57
5	80	69	60	54	78	68	60	54	65	59	54	64	58	53	62	57	52	51
6	74	62	54	48	73	61	54	48	60	53	48	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

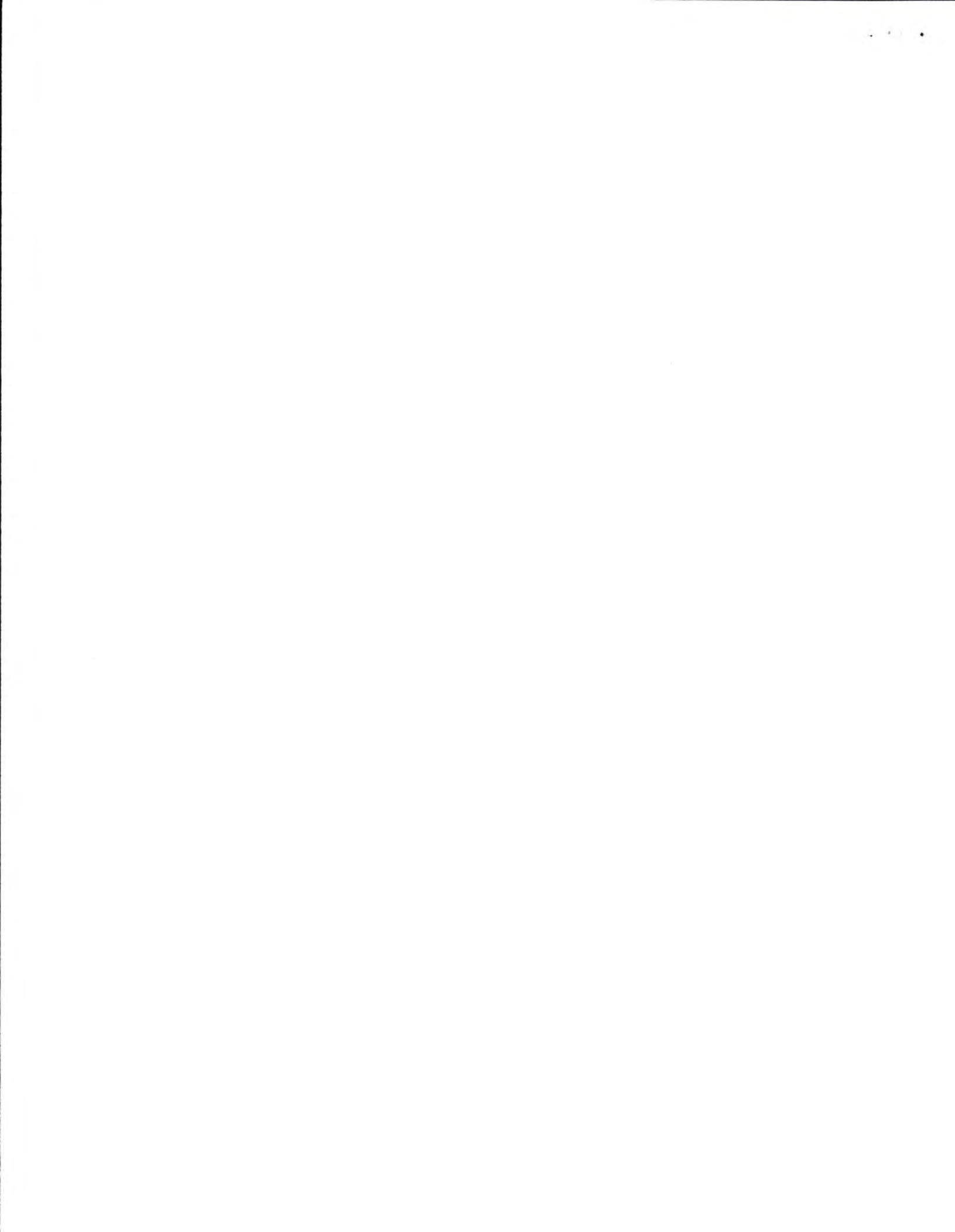
POLAR GRAPH



Maximum Candela = 405.75 Located At Horizontal Angle = 0, Vertical Angle = 0
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-20	146.09	16.90
0-30	304.65	35.20
0-40	484.81	56.00
0-60	770.43	89.00
0-80	860.04	99.30
0-90	866.12	100.00
10-90	827.89	95.60
20-40	338.73	39.10
20-50	503.41	58.10
40-70	351.17	40.50
60-80	89.61	10.30
70-80	24.06	2.80
80-90	6.08	0.70
90-110	0.00	0.00
90-120	0.00	0.00
90-130	0.00	0.00
90-150	0.00	0.00
90-180	0.00	0.00
110-180	0.00	0.00
0-180	866.12	100.00



610/620

ROLLING SERVICE DOORS



HEAVY-DUTY ROLLING SERVICE DOOR



Approved
City of Portland - Bureau of Development Services
Planner [Signature] Date 12.13.17
★ This approval applies only to the reviews requested and is subject to all conditions of approval. Additional zoning requirements may apply.

DO NOT
BLOCK
DRIVEWAY
24 HOUR
ACCESS
REQUIRED

STRENGTH.
VERSATILITY.
GOOD LOOKS.



INDUSTRY LEADING
COMMERCIAL & INDUSTRIAL SOLUTIONS

17-144195 DZ

EXHIBIT C-22

Standard features at a glance

Max standard width	30'4" (9246 mm)
Max standard height	28'4" (8636 mm)
Curtain	22 ga. galvanized steel up to 15'4" (4674 mm) wide 20 ga. galvanized steel over 18'4" to 25'4" (5588 -7722 mm) wide 18 ga. galvanized steel over 25'4" to 30'4" (7722-9245 mm) wide
Slat profile	Curved, type C-187 or C-275 (Model 610); Flat, type F-265 (Model 620)
Finish	Gray, Tan, Brown or White
Hood	24 ga. galvanized steel
Wind load	20 psf
Standard mounting	Face-of-wall
Operation	Manual push-up up to 84 ft ² (7804 mm ²) or 12' x 7' (3658 mm x 2134 mm) Chain hoist over 84 ft ² (7804 mm ²) or 12' x 7' (3658 mm x 2134 mm)
Standard spring	20,000 cycle
Weatherseals	Bottom bar astragal Guide weatherseals and hood baffle (Model 620)
Guides	Three structural steel angles; PowderGuard® weathered finish with black powder coat
Bottom bar	Extruded aluminum w/weatherseal to 15'4" (4674 mm) Back-to-back steel angles w/weatherseal > 15'4" (>4674 mm)
Lock	Interior slide bolt on push-up Padlockable chain keeper on chain hoist
Warranty	24-month limited; 3 years/20,000 cycles limited on Overhead Door door and operator system**

Options

- Electric operator (RHX®, RSX®, RMX®) or crank operation
- Bottom sensing edge, sloping bottom bar
- Galvanized steel bottom bar angles and guides
- Between-jamb mounting
- Stainless steel or aluminum slats
- High-usage package
- High-wind load option (FBC, TDI, DADE)*
- Cylinder lock
- Exhaust ports
- Flat slat profile option F-265 and C-600 heavy-duty 6" curved slat (Model 610)
- Perforated 18-gauge steel slats with 1/16" (2 mm) diameter holes on 1/16" (2 mm) centers
- Fenestrated slats with uniformly spaced openings of 5/8" x 3" (16 mm x 76 mm) or 1" x 10" (25.4 mm x 254 mm) on F265 slat only
- PowderGuard® Premium powder coat paint finish in 197 standard colors, or color-matched to specification
- PowderGuard® Zinc and PowderGuard® Weathered finishes
- Special application doors:
 - Oversized doors to 1500 ft². (139.4 m²)
 - Combination doors with grilles and/or with full or partial standard, perforated or fenestrated slats
 - Spark-resistant doors, craneway doors, pass doors



Cover image: Model 610, perforation on top 2/3, bottom 1/3 solid, custom finish

Image above: Stormtite™, Model 620, finish in Brown

* FBC – Florida Building Code; TDI – Texas Department of Insurance; DADE – Miami-Dade Building Code Compliance Office

** When purchased together



Door that is are strong, durable, handsome and versatile

Model 610 – the best selling door of our line. Stormtite™ Model 620 is an ideal choice for keeping climate-controlled air in and the elements out. Available to fit openings up to 30'4" x 28'4" (9246 mm x 8636 mm), these doors are fabricated of 18- to 24-gauge galvanized steel (depending upon door width), and can withstand wind loads up to 20 psf. Interlocking slats with endlocks ensure a tight fit while minimizing lateral movement.

Design versatility is afforded by a wide array of options, including a selection of slat profiles; curtain materials, finishes and colors; electric operation, and special features for unique applications. Each of our rolling service doors is configured for precise fitting of components, simpler installation, lower maintenance costs and trouble-free operation for life. The result is a door tough enough to perform exceptionally well in demanding industrial environments – and attractive enough to meet exacting aesthetic requirements.



Model 620, custom finish

Slat profiles



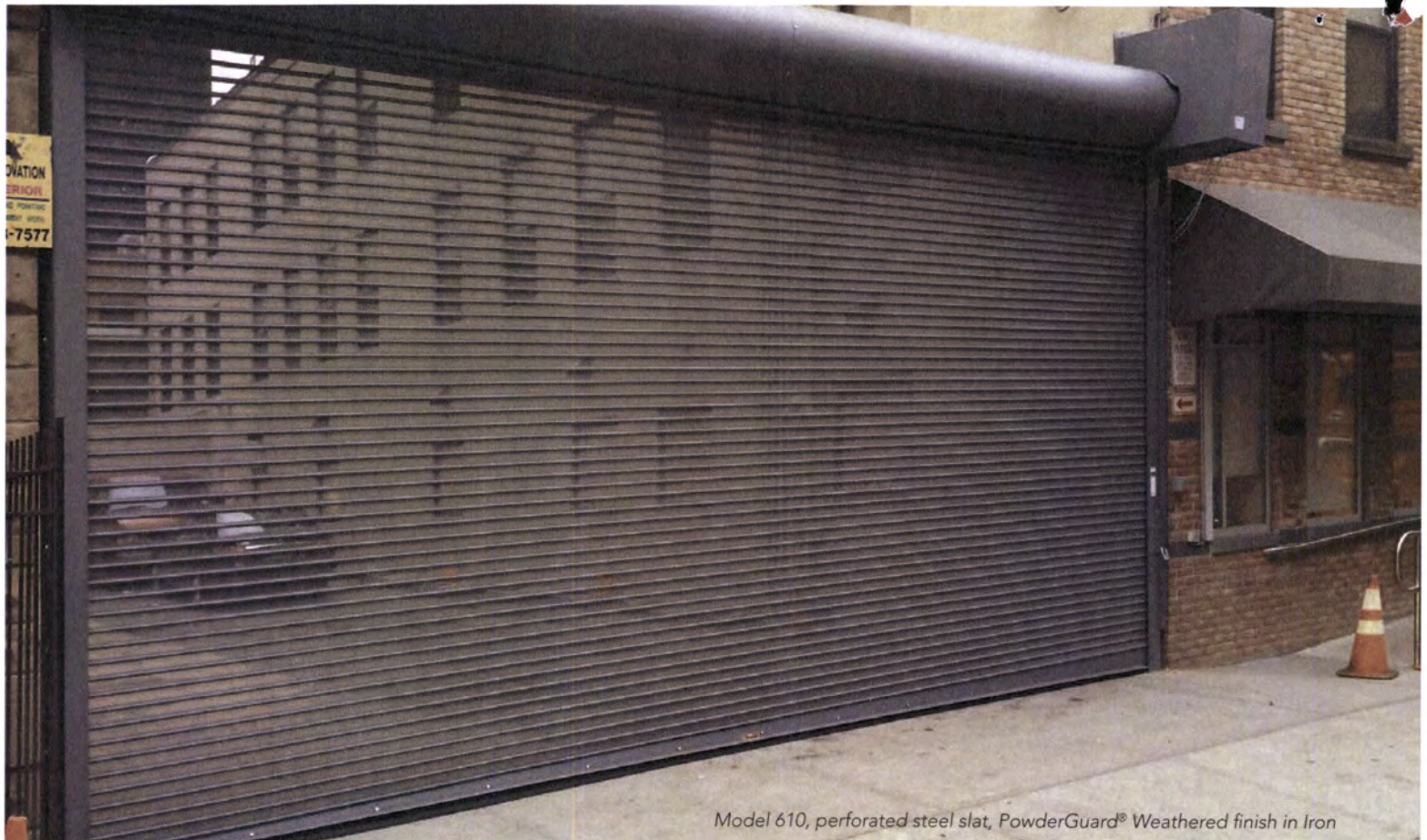
Finish options

Finish details	
Standard polyester base coat	Two-coat system with polyester based top coat.
PowderGuard® Premium powder coat	Weather resistant polyester powder coat available in 197 colors; custom color match and EZ Clean treatment options available.
PowderGuard® Zinc finish	Zinc enriched powder coat provides excellent corrosion protection that outperforms both hot dipped and cold galvanized steel. Color selection from 197 powder coat colors; custom color match also available.
PowderGuard® Weathered finish	Industrial textured powder coat provides a thicker, more scratch resistant coat for added product protection.

Colors



Actual colors may vary from brochure due to fluctuations in the printing process. Always request a color sample from your Overhead Door Distributor for accurate color matching.



Model 610, perforated steel slat, PowderGuard® Weathered finish in Iron



Tools to help you
get the job done.

Architect's Corner

A resource for architects, containing comprehensive technical and resource materials to support your project, including drawings and specifications for commercial doors.

www.overheaddoor.com

The original, innovative choice for unequalled quality and service.

Overhead Door pioneered the upward-acting door industry, inventing the first upward-acting door in 1921 and the first electric door operator in 1926. Today, we continue to be the industry leader through the strength of our product innovation, superior craftsmanship and outstanding customer support, underscoring a legacy of quality, expertise and integrity. That's why design and construction professionals specify Overhead Door products more often than any other brand. Our family of over 400 Overhead Door Distributors across the U.S. and Canada not only share our name and logo, but also our commitment to excellence.



INDUSTRY LEADING
COMMERCIAL & INDUSTRIAL SOLUTIONS

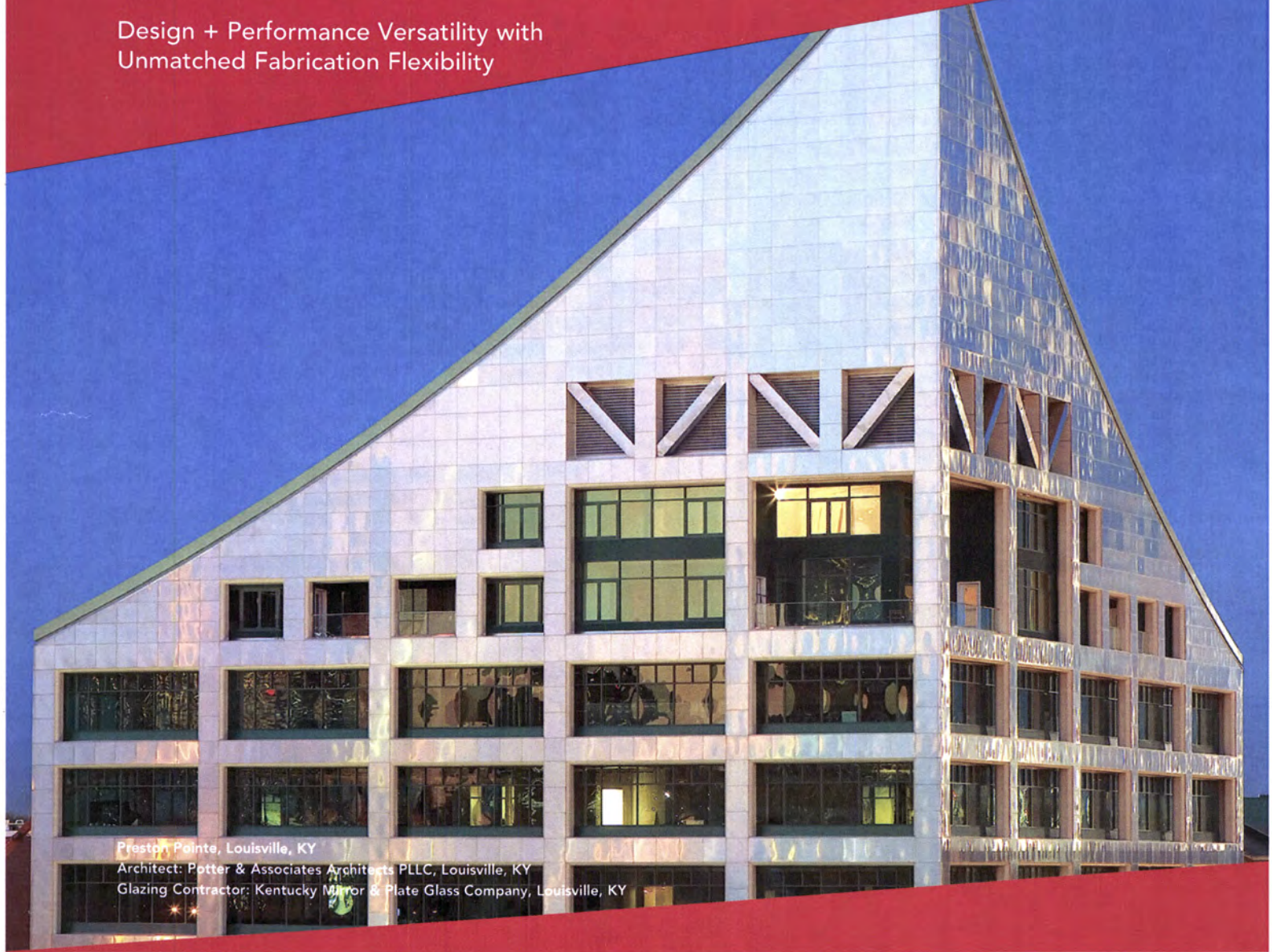


2501 S. State Hwy. 121 Bus., Suite 200, Lewisville, TX 75067
1-800-929-DOOR • sales@overheaddoor.com
www.overheaddoor.com

Trifab™ VG (VersaGlaze™)

Trifab™ VG 450, 451 & 451T (Thermal) Framing Systems &
Trifab™ 451UT (Ultra Thermal) Framing System

Design + Performance Versatility with
Unmatched Fabrication Flexibility



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

Trifab™ VersaGlaze™ is built on the proven and successful Trifab™ platform – with all the versatility its name implies. There are enough framing system choices, fabrication methods, design options and performance levels to please the most discerning building owner, architect and installer. The Trifab™ VersaGlaze™ family's newest addition, Trifab™ 451UT (Ultra Thermal) framing system, is designed for the most demanding thermal performance and employs a "dual" Isolock™ Thermal Break.

Aesthetics

Trifab™ VersaGlaze™ framing systems offer designers a choice of front-, center-, back- or multi-plane glass applications. Structural silicone glazing (SSG) and Weatherseal glazing options further expand the designers' choices, allowing for a greater range of design possibilities for specific project requirements and architectural styles. All systems have a 4-1/2" frame depth – Trifab™ VersaGlaze™ 450 has 1-3/4" sightlines, while Trifab™ VersaGlaze™ 451/451T and Trifab™ 451UT have 2" sightlines.

Approved

City of Portland - Bureau of Development Services

Planner *E. Ballou* Date 12.13.17

* This approval applies only to the reviews requested and is subject to all conditions of approval. Additional zoning requirements may apply.



LU 17-144195DZ

EXHIBIT C-23

With seamless incorporation of Kawneer entrances or windows, including GLASSvent™ visually frameless ventilators, Trifab™ VersaGlaze™ can be used on almost any project. These framing systems can also be packaged with Kawneer curtain walls and overhead glazing, thereby providing a full range of proven, and tested, quality products for the owner, architect and installer from a single source supplier.

Economy

Trifab™ VersaGlaze™ 450/451/451T framing systems offer four fabrication choices to suit your project (Trifab™ 451UT available as screw spline fabrication only):

- **Screw Spline** – for economical continuous runs utilizing two piece vertical members that provide 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 with shear block clips that provide tight joints for transporting large pre-assembled multi-lite units.
- **Stick** – for fast, easy field fabrication. Field measurements and material cuts can be done when metal is on the job.
- **Type B** – Same fabrication benefits as shear block except head and sill run through.

All systems can be flush glazed from either the inside or outside. The Weatherseal option provides an alternative to SSG vertical mullions for Trifab™ VersaGlaze™ 450/451/451T. This ABS/ASA rigid polymer



Brighton Landing, Cambridge, MA
Architects: ADD Inc., Cambridge, MA
Glazing Contractors: Ipswich Bay Glass Company, Inc., Rowley, MA

extrusion allows complete inside glazing and creates a flush glass appearance on the building exterior without the added labor of scaffolding or swing stages. Additionally, High-Performance (HP) Flashing options are engineered to eliminate perimeter sill fasteners and associated blind seals.

For the Finishing Touch

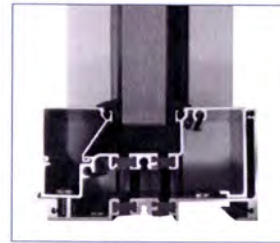
Architectural Class I anodized aluminum finishes are available in clear and Permanodic™ color choices.

Painted finishes, including fluoropolymer, that meet 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.

Performance

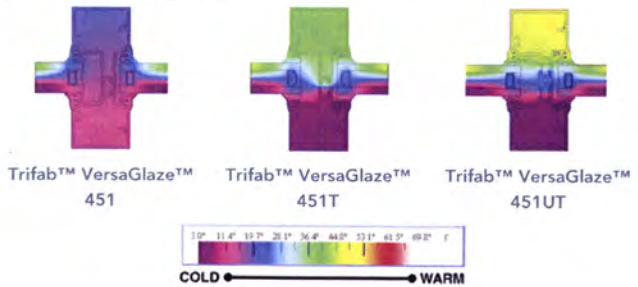
Kawneer's Isolock™ Thermal Break process creates a composite section, prevents dry shrinkage and is available on Trifab™ VersaGlaze™ 451T. For even greater thermal performance, a "dual" Isolock™ Thermal Break is used on Trifab™ 451UT.



Trifab™ 451UT uses a "dual" Isolock™ Thermal Break (right) and features a new HP (High Performance) sill design, which incorporates a screw-applied end dam (left), ensuring positive engagement and tight joints between the sill flashing and end dam.

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

Thermal simulations showing temperature variations from exterior/cold side to interior/warm side.

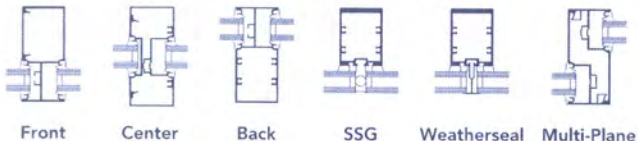


PERFORMANCE TEST STANDARDS

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

Trifab™ VersaGlaze™ 450/451/451T glazing options

(note: Trifab™ 451UT available as center set glass plane only).



Kawneer Company, Inc.
Technology Park / Atlanta
555 Guthridge Court
Norcross, GA 30092

kawneer.com
770 . 449 . 5555

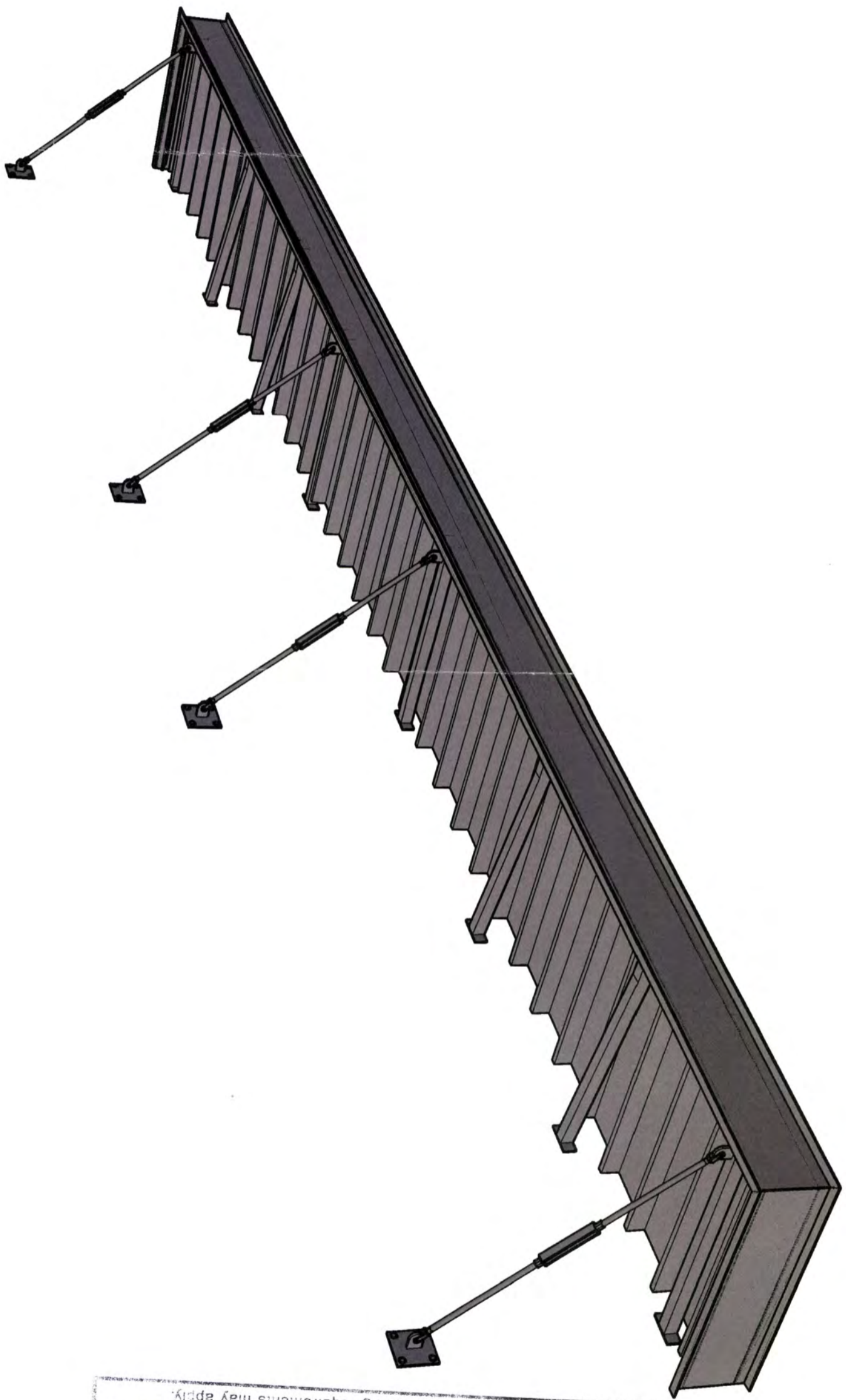
KAWNEER
AN ARCONIC COMPANY



Victory Awning
6801 OLD RANDOL MILL RD.
FORT WORTH, TEXAS 76120

SALES: SL
JOB NO: 16418

SHEET DESCRIPTION
3D MODEL
DATE: 09/16/16
DRAWN: O.O.
REVI:
SHEET NUMBER
1
SHEET: 1 OF 5 SHEETS



*SEE CONDITION H FOR
REQUIRED CANOPY DEPTH.

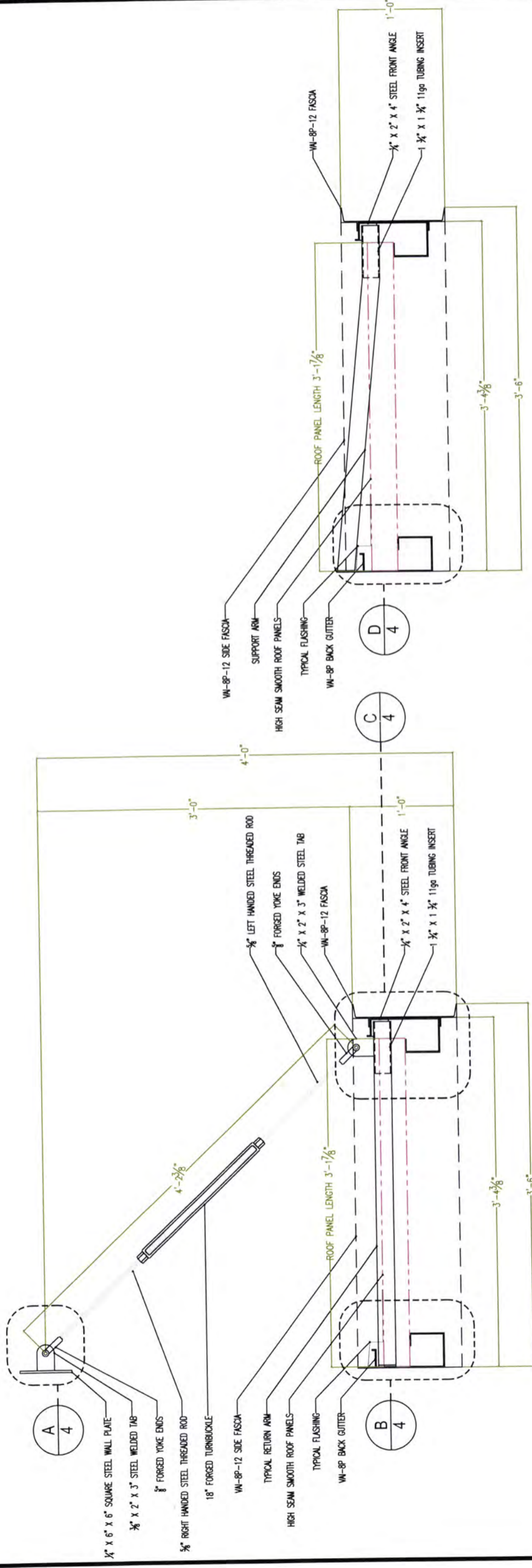
SALES/CUSTOMER APPROVAL

DATE
(Pages 1-5)

Approved*
City of Portland - Bureau of Development Services
Planner *E.B.C.*
Date 12.13.17
* This approval applies only to the reviews requested and is subject to all conditions of approval. Additional zoning requirements may apply.

3D CONCEPTUAL 3D VIEW
SCALE: NTS

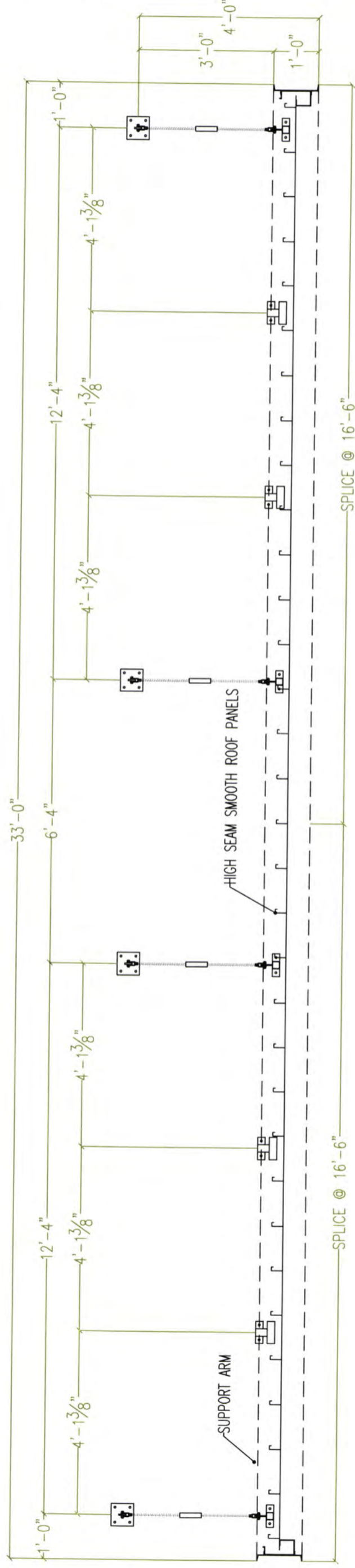
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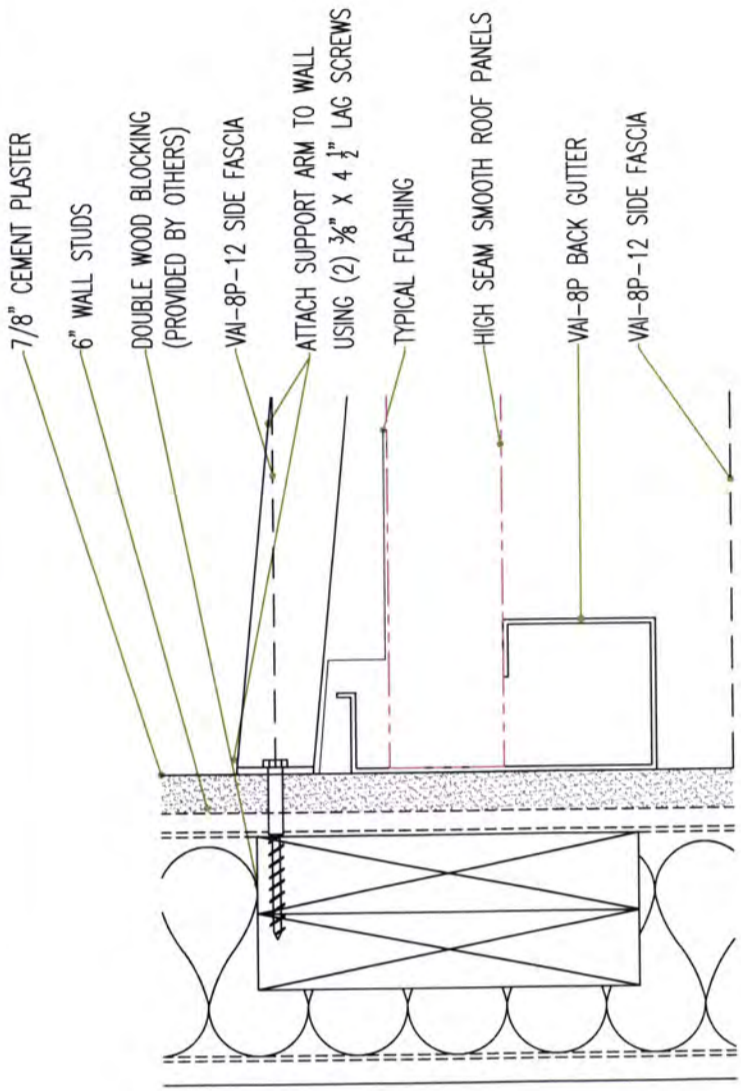
1 SIDE VIEW
SCALE: NTS

2 SECTION @ SUPPORT ARMS
SCALE: NTS

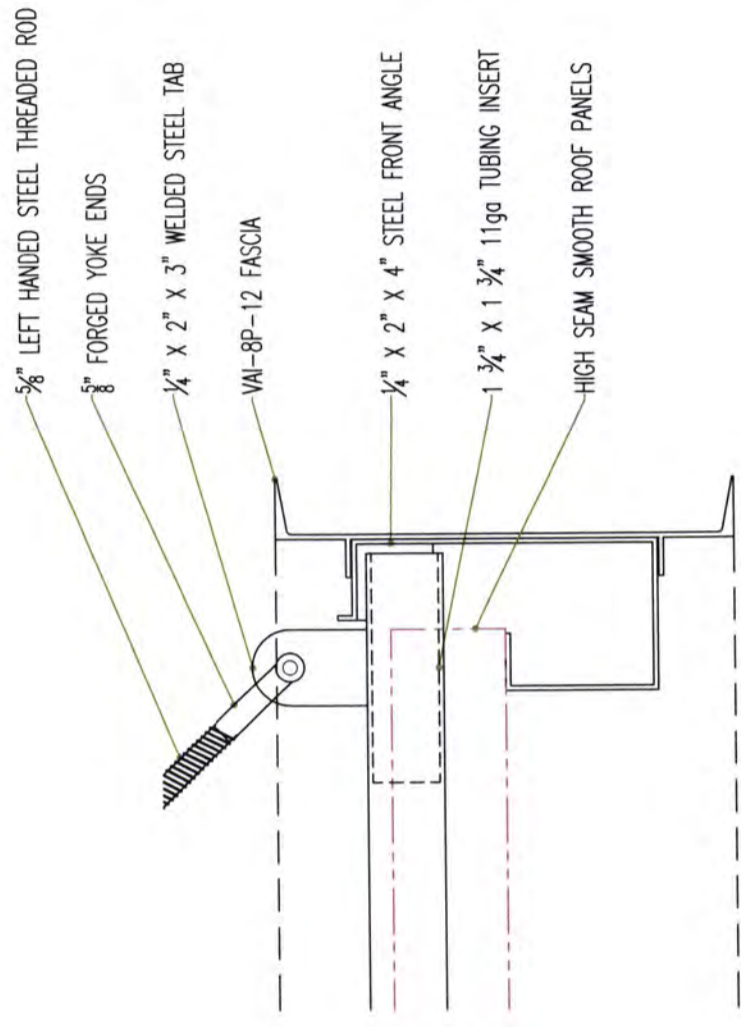
QTY: 5



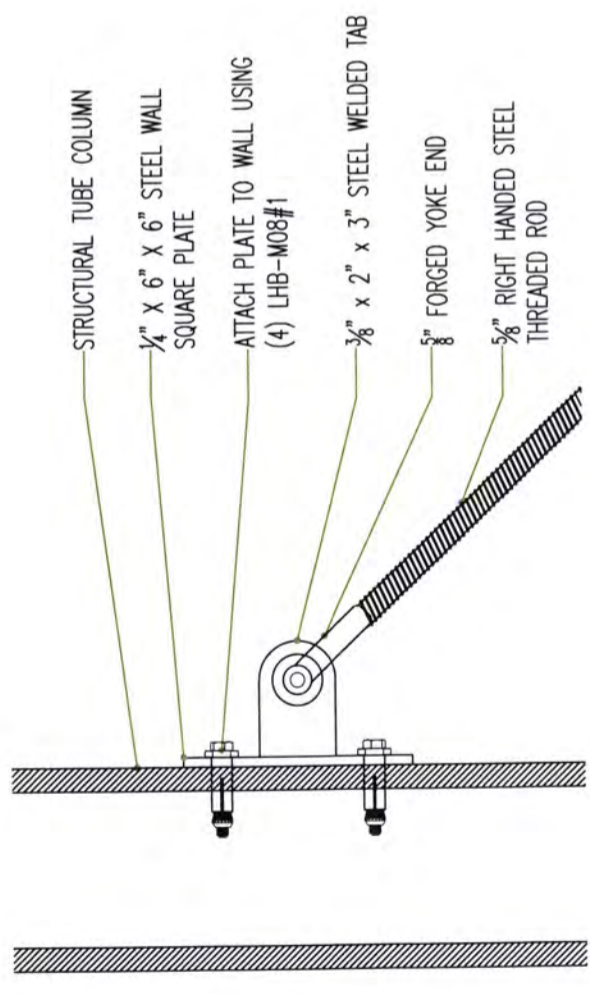
1 FRONT VIEW
SCALE: NTS



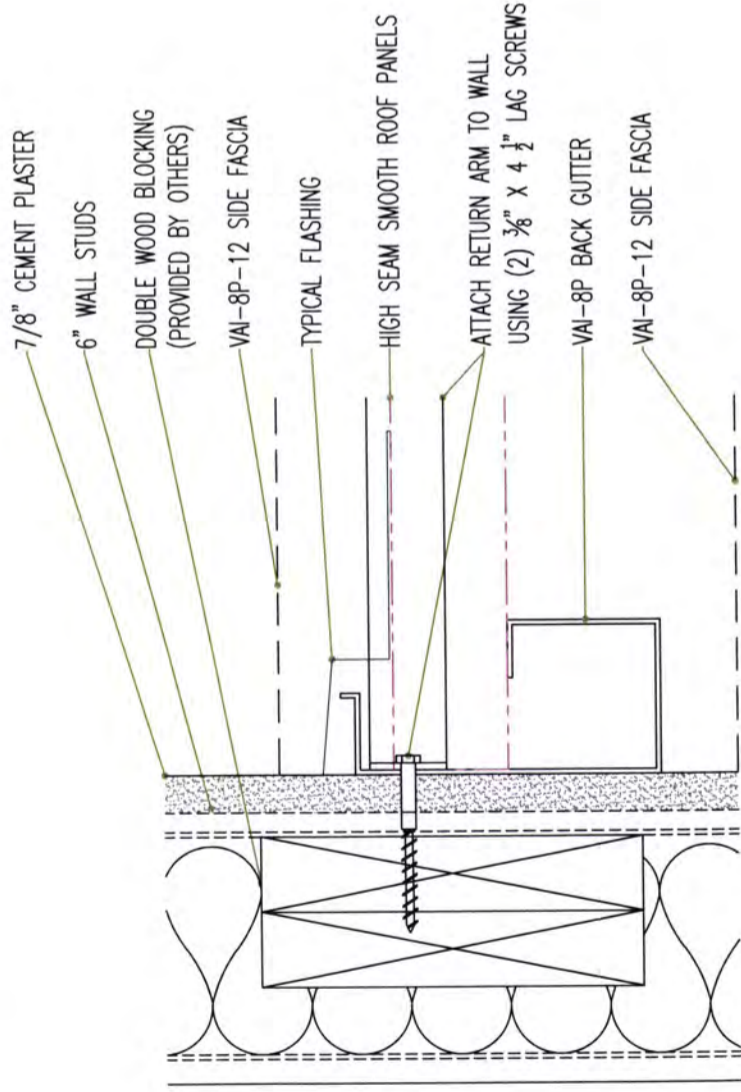
D SUPPORT ARM DETAIL
SCALE: NTS



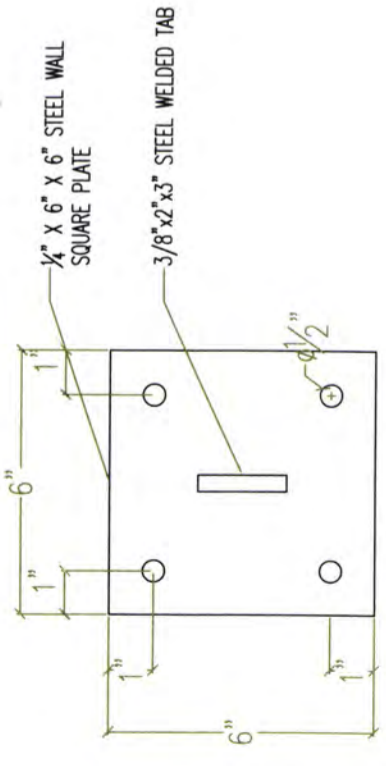
C FRONT DETAIL
SCALE: NTS



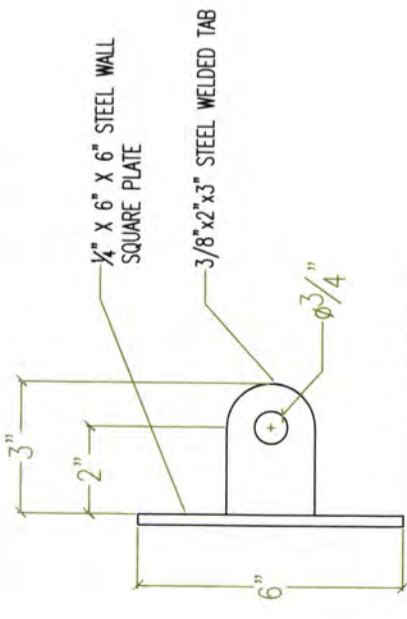
A OHS ATTACHMENT
SCALE: NTS



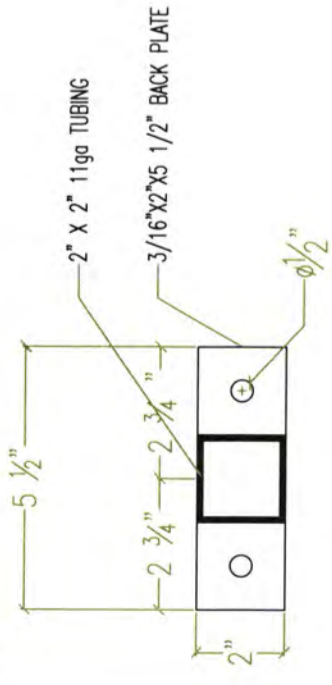
B LOWER LEVEL ATTACHMENT
SCALE: NTS



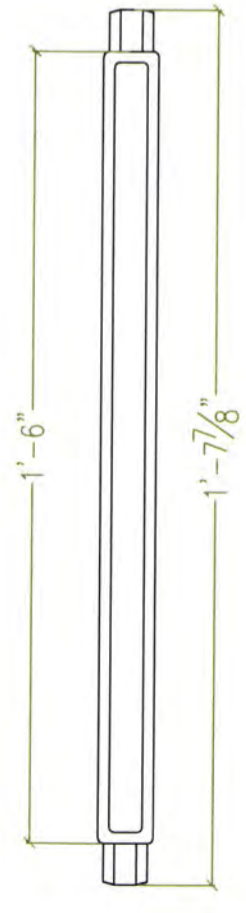
1 OVERHEAD SQUARE WALL PLATE W/TAB FRONT VIEW
SCALE: NTS



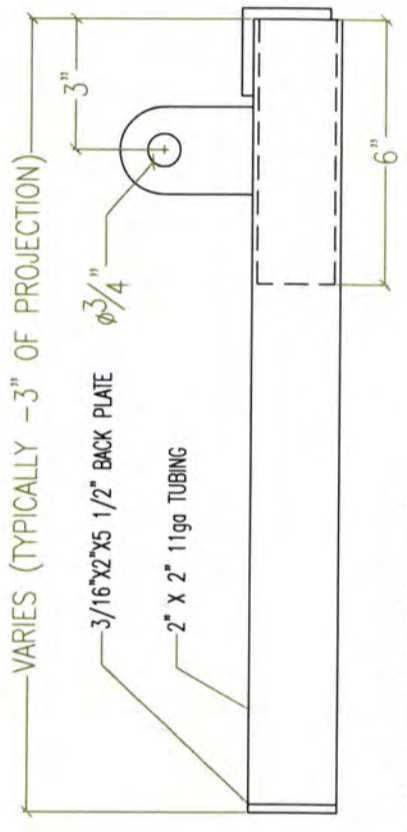
1-A OVERHEAD SQUARE WALL PLATE W/TAB SIDE VIEW
SCALE: NTS



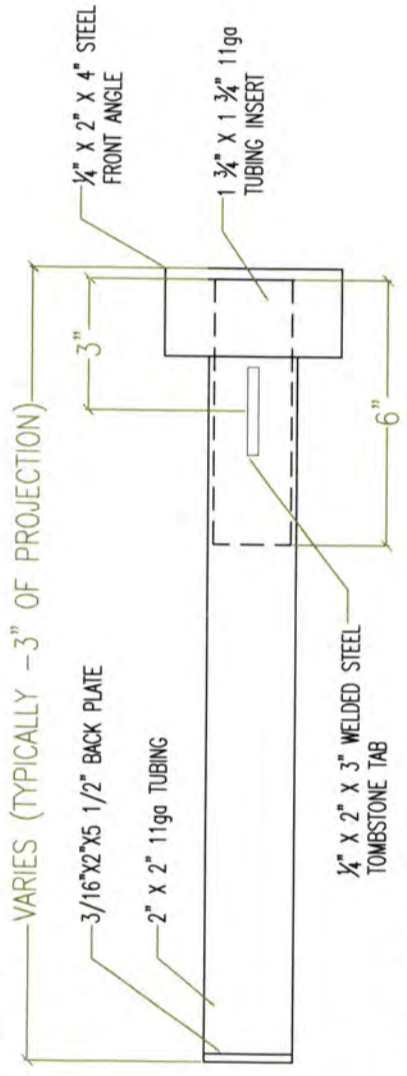
2 RETURN ARM & WELDED BACK PLATE FRONT VIEW
SCALE: NTS



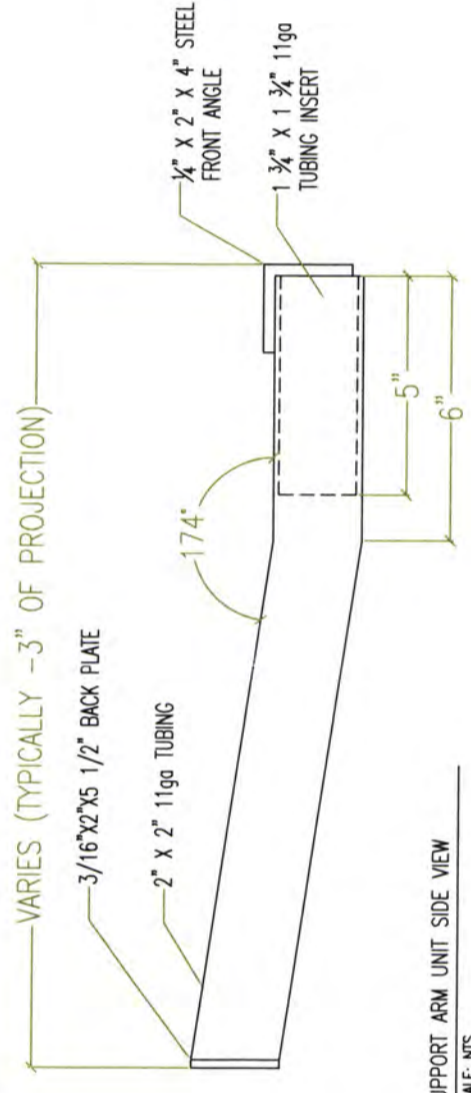
3 9" FORGED TURNBUCKLE
SCALE: NTS



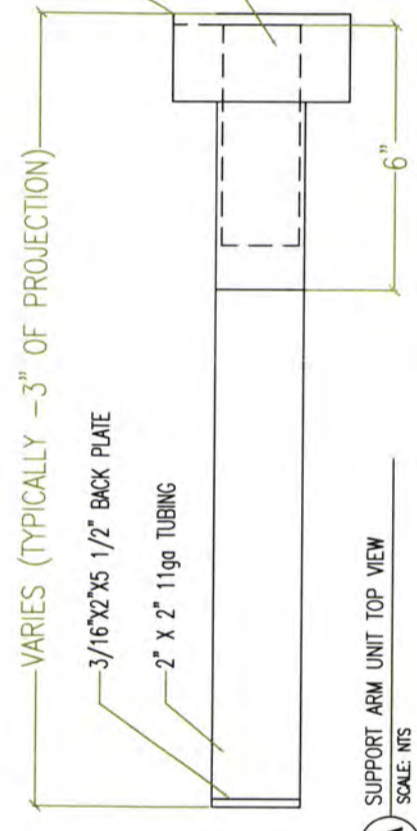
4 TYPICAL RETURN ARM UNIT SIDE VIEW
SCALE: NTS



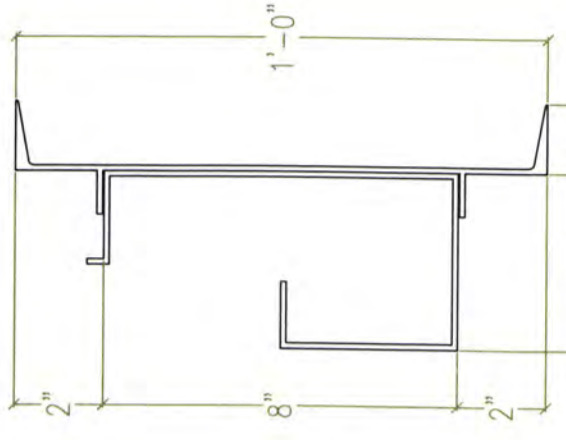
4-A TYPICAL RETURN ARM UNIT TOP VIEW
SCALE: NTS



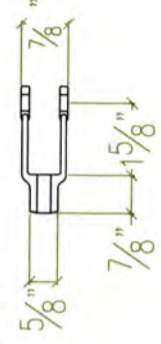
5 SUPPORT ARM UNIT SIDE VIEW
SCALE: NTS



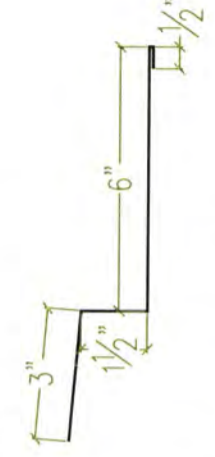
5-A SUPPORT ARM UNIT TOP VIEW
SCALE: NTS



6 VA-8P-12 FASCIA
SCALE: NTS



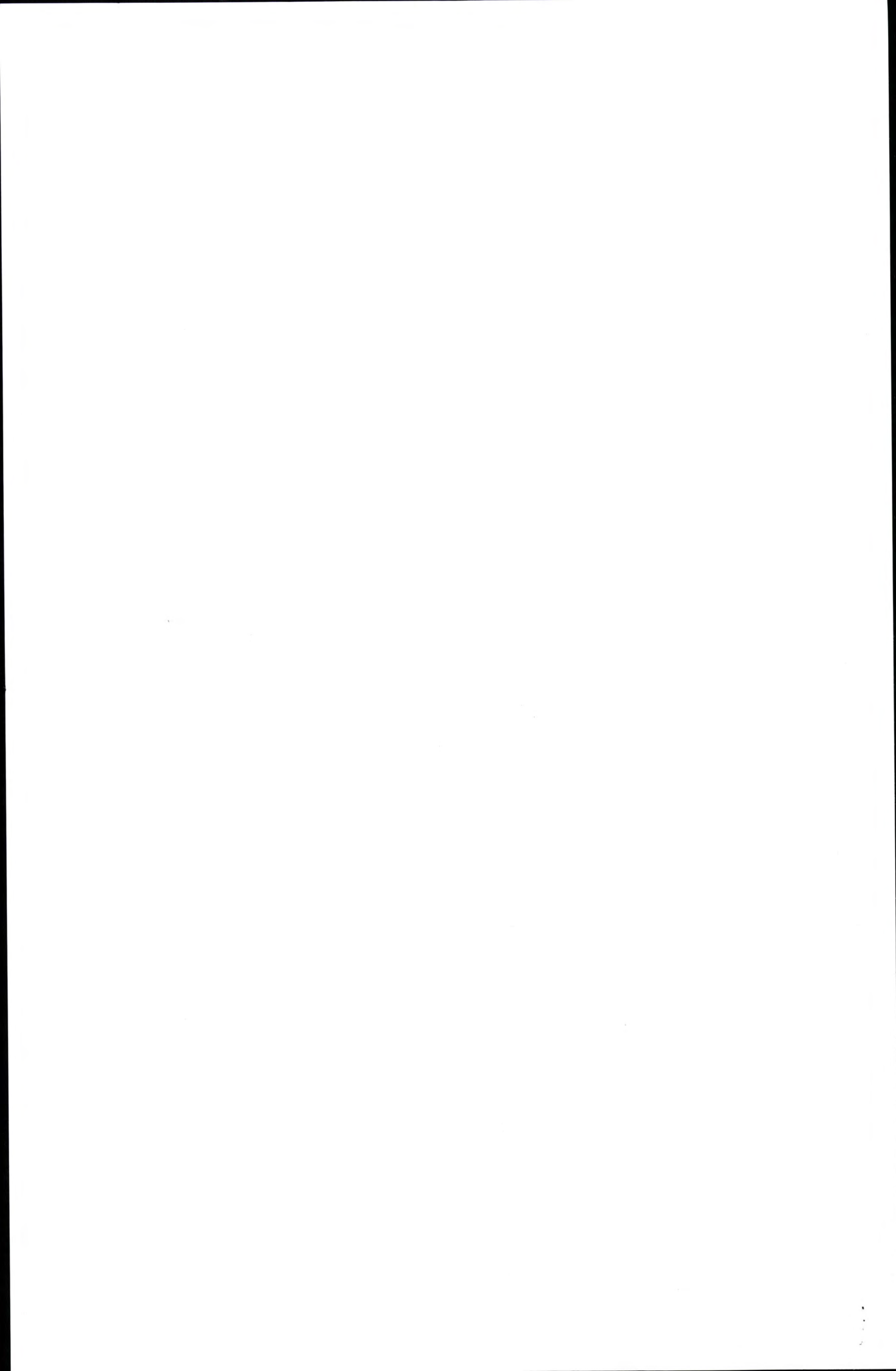
7 5/8" FORGED YOKE ENDS
SCALE: NTS



8 TYPICAL 24GA FLASHING
SCALE: NTS



9 24GA HIGH SEAM ROOF PANEL
SCALE: NTS





CONDITION F — STORE FRONT WINDOW SYSTEM
1/4" CLEAR LOW-E GLASS



MBCI DESIGNER SERIES
12.0 FLAT PANEL
CONCEALED FASTENER METAL
PANEL - 12" WIDE, 24 GAUGE

CONDITION I



MBCI DESIGNER SERIES
12.0 FLAT PANEL
Color: ALMOND -
SIGNATURE 300 STANDARD
COLOR



MBCI DESIGNER SERIES
12.0 FLAT PANEL
Color: CHARCOAL GRAY -
SIGNATURE 200 STANDARD
COLOR



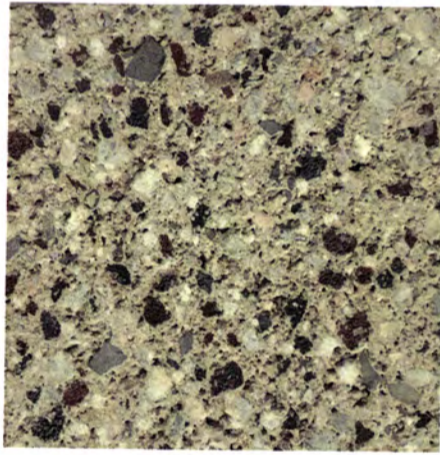
JANUS INT'L -
COMMERCIAL SHEET
DOOR
Color: SILHOUETTE GRAY
MODEL 1000



MUTUAL MATERIALS
BRICK VENEER
Color: DESERT WHITE

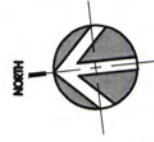


MUTUAL MATERIALS
BRICK VENEER
Color: RAVEN



ORCO BLOCK - GROUND
FACED CMU BLOCK
Color: GRAY

Approved
City of Portland - Bureau of Development Services
Planner *E. Ball* Date **12.13.17.**
* This approval applies only to the reviews requested and is subject to all conditions of approval. Additional zoning requirements may apply.



LEON CAPITAL
POWELL SELF STORAGE
PORTLAND, OR.

EXTERIOR MATERIAL BOARD

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JOB NUMBER: 17-108
SCALE: N/A
DATE: 12/17/2017



