

,		Phone: Fax:		
Contract Title:	Link Operations Mainter Build	nance Facility: East Design	Date:	03/23/2020
Contract No.:	RTA/CN 0020-16			
То:	Attn: Brian Gustine Hensel Phelps 1919 120th Ave NE Bellevue, WA 98005 Phone: (408) 206-5289 F	Fax:	Ref:	M200-REC-03174 SUB 102113-001.001 1.02C Toilet and Shower Compartments
WE ARE SENDING:		SUBMITTED FOR:		ACTION TAKEN:

W	'E ARE SENDING:	S	UBMITTED FOR:	A	CTION TAKEN:
	Shop Drawings		Approval	X	Approved as Submitted
	Letter		Your Use		Approved as Noted
	Prints	Х	As Requested		Returned After Loan
	Change Order		Review and Comment		Resubmit
	Plans				Submit
	Samples	S	ENT VIA:		Returned
	Specifications	Х	Attached		Exceptions Noted - Resubmit
Х	Other: SUB 102113-001.001 1.02C		Separate Cover Via: Mail		Due Date:

ITEM NO.	COPIES	DATE TYPE NU	UMBER REV. NO.	DESCRIPTION	STATUS
001	1	03/23/2020 SUT	001	Toilet and Shower Compartments	NET
				SUB 102113-001.001 1.02C	

Remarks: No Exceptions Taken

Page 1 of 1

Brian K Matthews



M200 Operations Maintenance Satellite Facility - East

Page 1 of 1

Submittal No./Ref./Title:	SUB 102113-001.001 1.02C Toilet and Shower Compartments	Date Received:	3/5/20
Correspondence No.:	M200-CRE-04651	Date Due to Contractor:	3/19/20

conforr require the Cor any err	is for general nance with the Contr ments and shall not ntractor of responsib ors or omissions in s tals. Refer to GC3.0	view Action Legend: ode 1 - No Exceptions Taken ode 2 - Exceptions As Noted ode 3 - Exceptions as Noted - Resubmission Required ode 4 - Rejected	Overa	wer: Returned: II Review Action: .egend)	Brian Matthews 3/23/20 1	
ltem No.	Submittal Section/ Spec Reference	Item Review Action	Reviewer's Comments		Con	tractor's Response
Review	v Comments:				1	
1		1	No Exceptions Taken			
2						
3						
4						
5						
6						

DIRECTIONS:

Once you have inputted your comments and populated the required fields (as designated in RED) then go to 'FILE > SAVE AS > CURRENT FOLDER' and in the file name add a space and a hyphen and a space and your initials to the end of the title. Then click save. This will create another DOC file of the comment sheet that will have your initials at the end of the file name.

Example: M200 SUB XXXXX-XXX.XXX Review Comments - REVIEWER INITIALS



Operations Maintenance Facility: East

Submittal Transmittal

Detailed by Each Transmittal

1899 12	# 5017101 20th Avenue e, WA 98003		Jobsite In Tel: 425.52 Fax:			Hensel Phelp
Date:	03/04/20	20				Reference Number: 1469
Transm	nitted To:	Brian Matthews Sound Transit 400 South Jackson Str Seattle, WA 98104		insmitted By:	Casey Schilling Hensel Phelps 1899 120th Ave NE Bellevue, WA 98005	
Qty	Submitt	al Package No	Description		Due Date	Package Action
1	0001 - 1	02113 - 2	Toilet and Shower Compa	artments	04/01/2020	Exceptions as Noted
Transn	nitted For		Delivered Via			Tracking Number
Approv	val		SharePoint			
Item	s Qty	Description		Notes		Item Action
000 [,]	1	TOILET AND SHO	WER COMPARTMENTS :			Reviewed
0002	2	TOILET AND SHO ^V Sustainable Desigr	WER COMPARTMENTS : Submittals			Reviewed
0003	3	TOILET AND SHO Shop Drawings - S	WER COMPARTMENTS : T			Reviewed
0004	4		WER COMPARTMENTS : allation Instructions			Reviewed
000	5	TOILET AND SHO	WER COMPARTMENTS : -			Reviewed
Cc:	Company N	ame	Contact Name	Copies	Notes	

Remarks

Brian,

Please see attached M200-CRE-04651 SUB 102113-001.001 1.02C Toilet and Shower Compartments, for your approval.

Tolu Dayo

Signature



Operations Maintenance Facility: East

Submittal Packages

Detailed Tracking Form

Project #	5017101				Jobsite Info.				Hensel Phelp
1899 120th Bellevue, V	n Avenue N NA 98005	E			Tel: 425.528.0000 Fax:				
0001-10	2113-2		Toile	et and Show	ver Compartments				
Submitta	al Author (Company	c	ontact	Author Package	# Trad	e		Priority
Hensel Pl	nelps		C	asey Schilling]		and Shower artments	I	Normal
Items									
Item #	Reg #	Rev #	Spec Sec	Sub Sec	Description		Туре		Action
0001	03350	2	10 21 13	1.02-C	TOILET AND SHOWER COMP Data - ST	ARTMENTS : Pro	duct Product	Data	Reviewed
0002	03351	2	10 21 13	1.02-D	TOILET AND SHOWER COMP Sustainable Design Submittals		LEED		Reviewed
0003	03352	2	10 21 13	1.02-E	TOILET AND SHOWER COMP Drawings - ST	ARTMENTS : Sho	op Shop Di	rawings	Reviewed
0004	03353	2	10 21 13	1.02-G	TOILET AND SHOWER COMP Manufacturer's Installation Instr		Product	Data	Reviewed
0005	03354	2	10 21 13	1.02-C	TOILET AND SHOWER COMP	ARTMENTS : - S	T Delivery	Only	Reviewed
Reviewe	rs								
From Co	mpany			To Compan	у	Sent Date	Due Date	Sent For	r
Hensel Ph	nelps			Rolluda Archi	tects Inc.	02/19/2020	02/26/2020	Approval	
Hensel Pl	nelps			Stantec Cons	ulting Services Inc.	02/19/2020	02/26/2020	Approval	
Package	Notes:								

HENSEL PH	IELPS CONSTR	RUCTION CO.
REVIEWED	APPROVED	
REVISE & RESUBMIT	APPROVED A	AS NOTED
	REJECTED	
This submittal has bee	n reviewed for gener	ral compliance
vith the contract docur	nents. Approval doe	es not relieve
ne subcontractor/supp		•
onformance to the qu ontract documents, n	•	
ield verification of all c		
ubcontractor/supplier	0	
esponsible for dimens	ions and quantities o	of materials
elating to this contract		
ck'd: CTS	Date:	02/19/2020
HPCC Submittal NO.:	102113-00	01.02

IF SUBMITTAL IS SHOP DWG, PLACE STAMP ON	DWG COVER SHEET.
Project: M200 OMFE	
DOR Review Discipline:	
 Architectural 	
Structural	
 Mechanical 	
Electrical	
X Other	
Interiors	
This document has been reviewed for general conformance	
and compliance with the DOR's construction documentation	
and the following is noted:	
REVIEWED, NO EXCEPTIONS TAKEN	
X REVIEWED AS NOTED	
REJECTED	
 DOR REVIEW NOT REQUIRED 	
DOR Reviewer: MP Date: 2/24/20	
Company: Rolluda Architects	
A / E SUBMITTAL REVIEW STA	AMP



Operations Maintenance Facility: East

Submittal Packages

Detailed Tracking Form

Project # 1899 120th Bellevue, V	Avenue N	E			Jobsite Info. Tel: 425.528.0000 Fax:					Hensel Phelps
0001-10	2113-0		Toile	et and Show	er Compartments					
Submitta	l Author (Company	С	ontact	Author Packag	je# T	rade			Priority
Hensel Ph	nelps		C	asey Schilling]		let and Show	ver		
Items										
Item #	Reg #	Rev #	Spec Sec	Sub Sec	Description			Туре		Action
0001	01158	0	10 21 13	1.02-C	TOILET AND SHOWER COM Data - ST	MPARTMENTS :	Product	Product	Data	
0002	01159	0	10 21 13	1.02-D	TOILET AND SHOWER CON Sustainable Design Submitta			LEED		
0003	01160	0	10 21 13	1.02-E	TOILET AND SHOWER CON Drawings - ST	MPARTMENTS :	Shop	Shop Dr	awings	
0004	01162	0	10 21 13	1.02-G	TOILET AND SHOWER COM Manufacturer's Installation Inst			Product	Data	
0005	03163	0	10 21 13	1.02-C	TOILET AND SHOWER COM	MPARTMENTS :	- ST	Delivery	Only	
Reviewer	rs									
From Co	mpany			To Compan	у	Sent Date	Due	Date	Sent For	r
Hensel Phelps Building Specia		cialties Northwest	01/08/2020	01/13	/2020	Review				
Hensel Ph	elps			Rolluda Archi	tects Inc.	01/13/2020	01/27	/2020	Approval	
Hensel Ph	elps			Stantec Cons	ulting Services Inc.	01/13/2020	01/27	/2020	Approval	
Package	Notes:									

HENSEL PHELPS CONSTRUCTION CO.	IF SUBMITTAL IS SHOP DWG, PLACE STAMP ON DWG COVER SHEET.
REVIEWED APPROVED Image: Constraint of the subcontractor/supplier of the responsibility for contorract documents. Approval does not relieve the subcontractor/supplier of the responsibility for contorract documents, nor does it relieve responsibility for field verification of all conditions relating to the work of the subcontractor/supplier. The subcontractor/supplier is responsible for dimensions and quantities of materials relating to this contract.	DOR Review Discipline: Architectural Structural Mechanical Electrical X Other LEED This document has been reviewed for general conformance and compliance with the DOR's construction documentation and the following is noted: REVIEWED, NO EXCEPTIONS TAKEN REVIEWED AS NOTED REVIEWED AS NOTED REVIEWED AS NOTED REVIEWED AS NOTED REVIEWED NOT REQUIRED
СК'D: <u>CTS</u> Date: <u>01/13/2020</u> HPCC Submittal NO.: <u>102113-0001.0</u>	DOR Reviewer: Megan Lesli@ate: 29-Jan-2020 Company: Stantec

A / E SUBMITTAL REVIEW STAMP



Building Specialties Northwest, LLC

PO Box 1622 Mercer Island, WA 98040 Phone: 425-486-3693 Fax: 425-996-3542

REVISED Submittal V2

Date	Estimate #
02/06/2020	9967

Name / Address	Ship To		
Hensel Phelps Attn: Accounts Payable 15375 SE 30th Place, Suite 110 Bellevue, WA 98007 425.646.2660	Sound Transi Attn: TBD 1899 120th A Bellevue, WA Call 1st: TBD	ve NE 98005	E
Description		Qty	
HADRIAN PARTITIONS OPTION TWO - CEILING HUNG Hadrian Manufacturing Inc. Toilet Partitions Standard Units: (14) B/F Units: (10) Urinal Screens: (3) Material: Metal (900 - Stainless Steel) Type: Ceiling Hung Series: Standard Configuration: Stainless Hardware, No-Sightline: Interior and Exterior 60" depths in all rooms for the exception of the rooms that had depth of 72" in M04225 and 62" in M05124 and M05125. All rogular Sulls 66 within %c. All stalls, standard satin 304 finish, no 4, stainless steel. Stainless steel/pai/acy/bardware: Hinge filler trims Continuous channels for pilaster to wall, panel to wall and pilas connections 3 screens total. 24 stalls total.	dimensions such as ned by BSNW		 BNSW refer to spec, do panels have grab-bar and seat reinforcement? No because the grab bars in the ADA stalls are located on the walls and are not mounted onto the partitions. They can be reinforced but only if grab bars are actually installed on the partition panels. BNSW refer to spec, do panels/doors have tapping reinforcement? Hadrian has the basic level of honey comb on the inside. They have the ability to make reinforced doors and panels but need to know exactly which doors and panels require reinforcement.

Toilet Partition Specification Package



Project Name: Sound Transit M200 OMFE - Ceiling Hung Project Type: None Selected Project Location:

Architect:

Contractor:

Authorized Distributor: Building Specialties Northwest

Contact Name: Jessica Olsen

Contact Phone: 425-486-3693

Contact Email:bsnwllc@lockedmail.com

Drawn By: Building Specialties Northwest

Date Printed: Feb 6, 2020

Revisions:

Revision 3: Feb 6, 2020

Revision 2: Jan 27, 2020

Revision 1: Jan 10, 2020

Submittal Notes

Toilet Partition Notes

- 1. Compartment widths on drawings are shown at center line of panels.
- 2. Compartment depths on drawings are shown from front face of pilaster to finished wall.
- 3. Cut headrail in field to suit (if applicable).
- 4. "X" on drawings indicates that backing is required.
- 5. Fabrication will not commence until approval has been received.
- 6. Material supplied will conform to the dimensions indicated on drawings.
- 7. Scale of drawings none.

Locker Notes

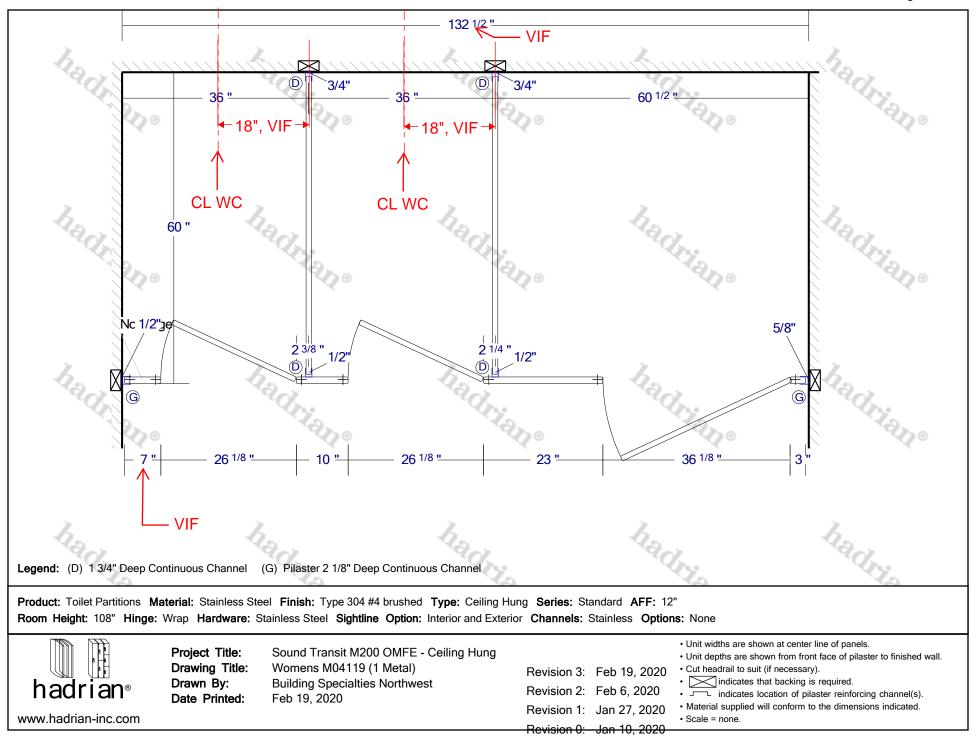
1. Locker growth is 1/32" (0.8mm) per locker.

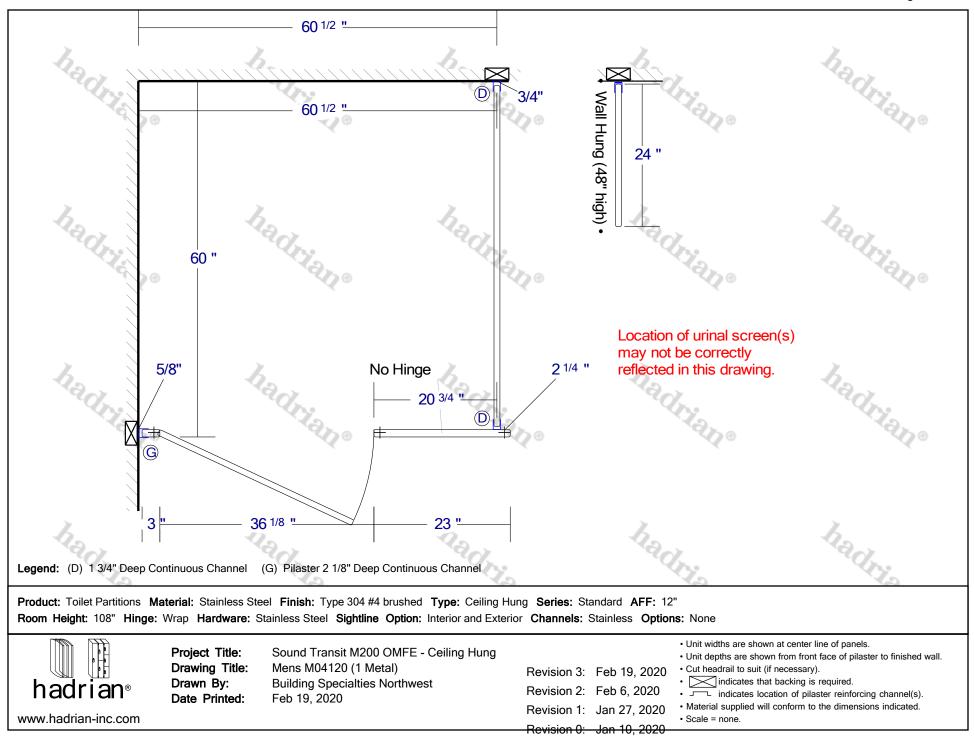


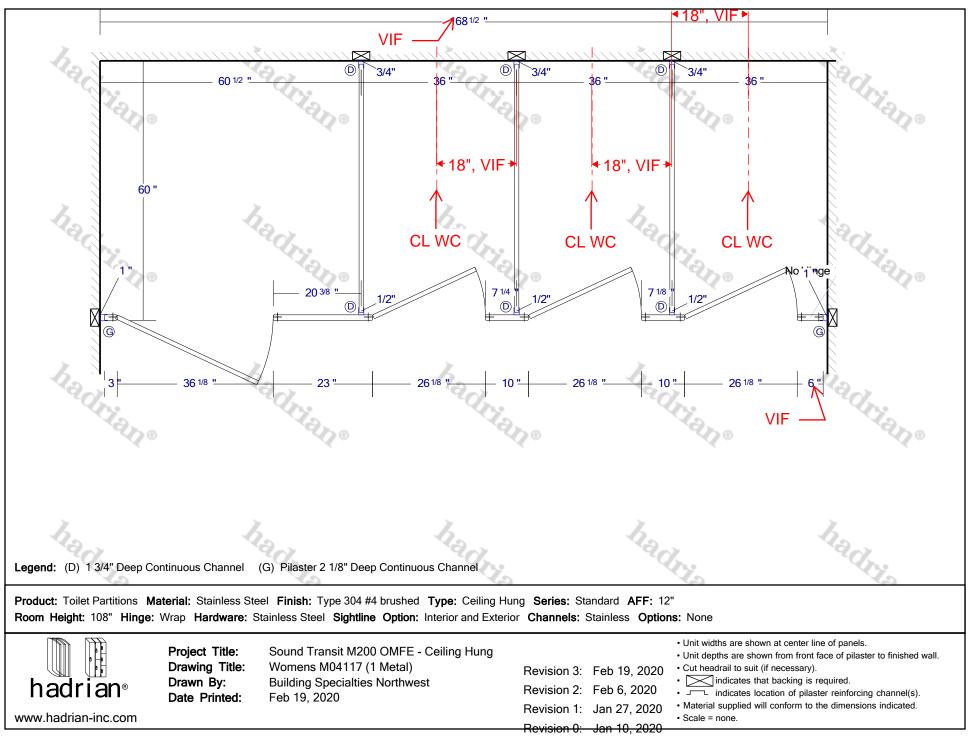
 Hadrian
 Manufacturing
 Inc., 965
 Syscon Road, Burlington, ON, L7L 5S3 • Tel: (905) 333-0300 • Fax: (905) 333-1841

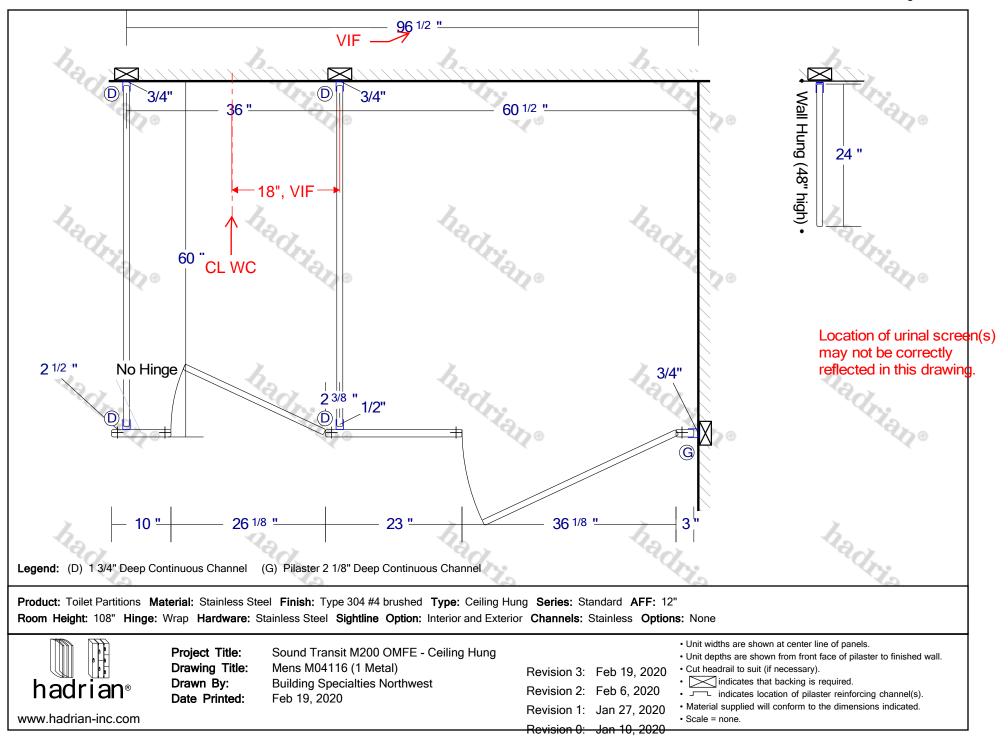
 Hadrian
 Inc., 7420
 Clover Avenue, Mentor, OH, 44060 • Tel: (440) 942-9118 • Fax: (440) 942-9618
 Fax: (440) 942-9618

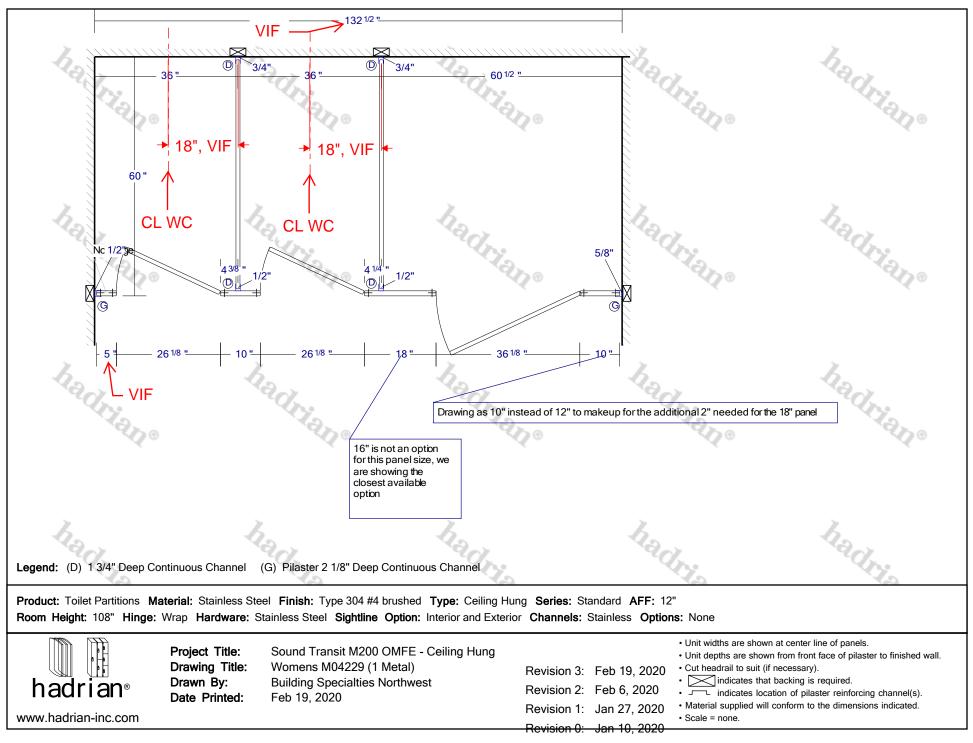
 Hadrian
 Inc., 3602
 West Washington Street, Suite 200, Phoenix, AZ 85009
 www.hadrian-inc.com

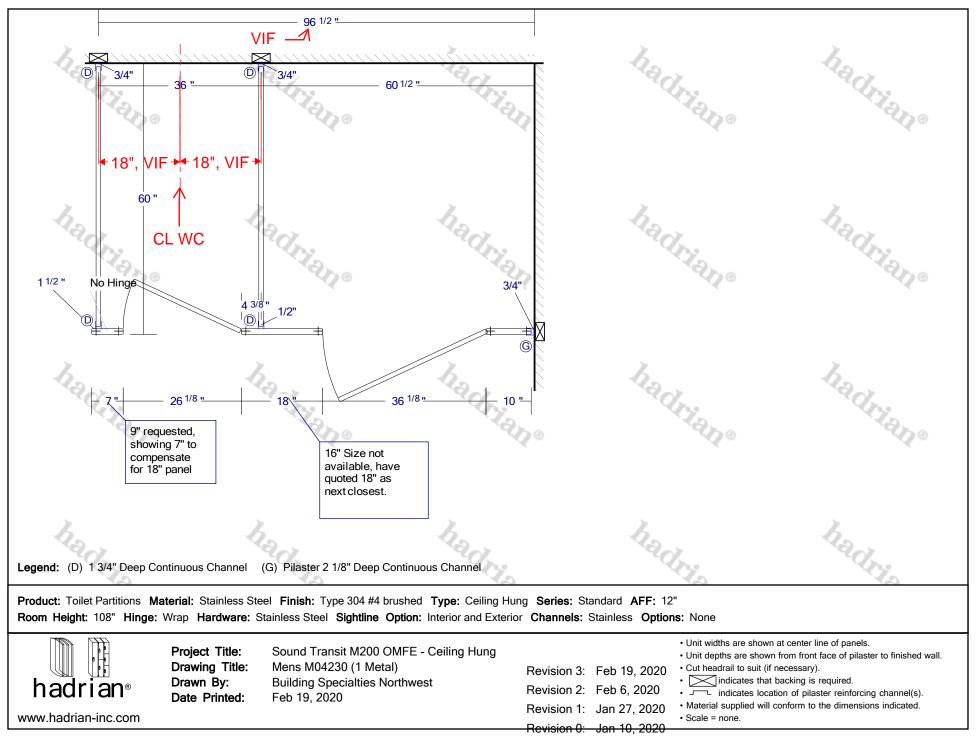


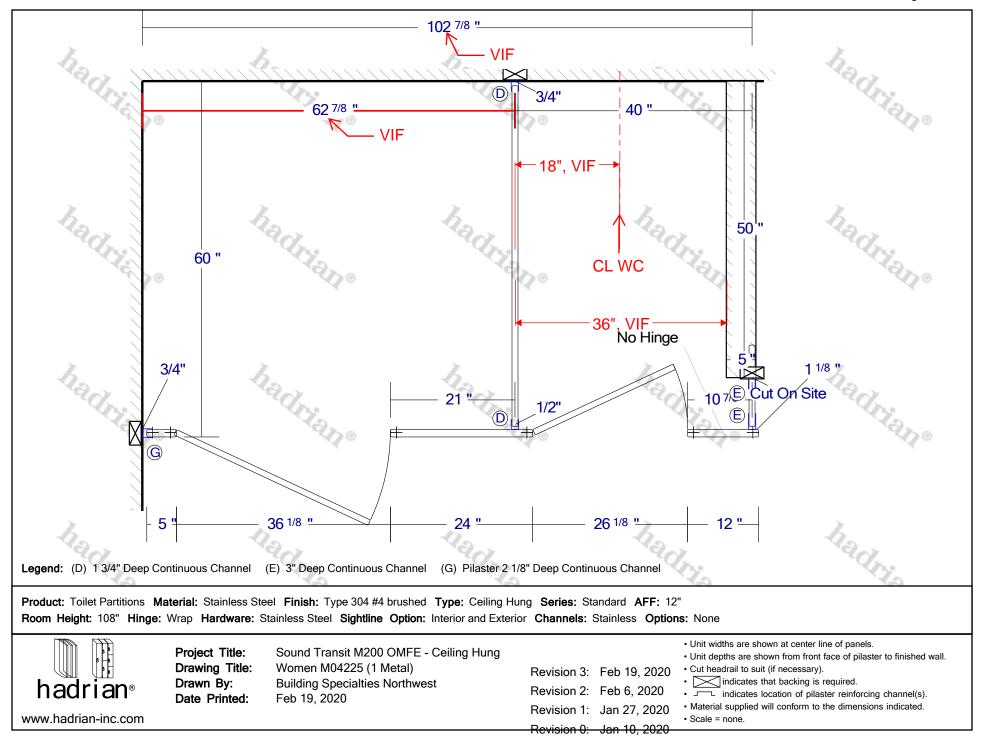


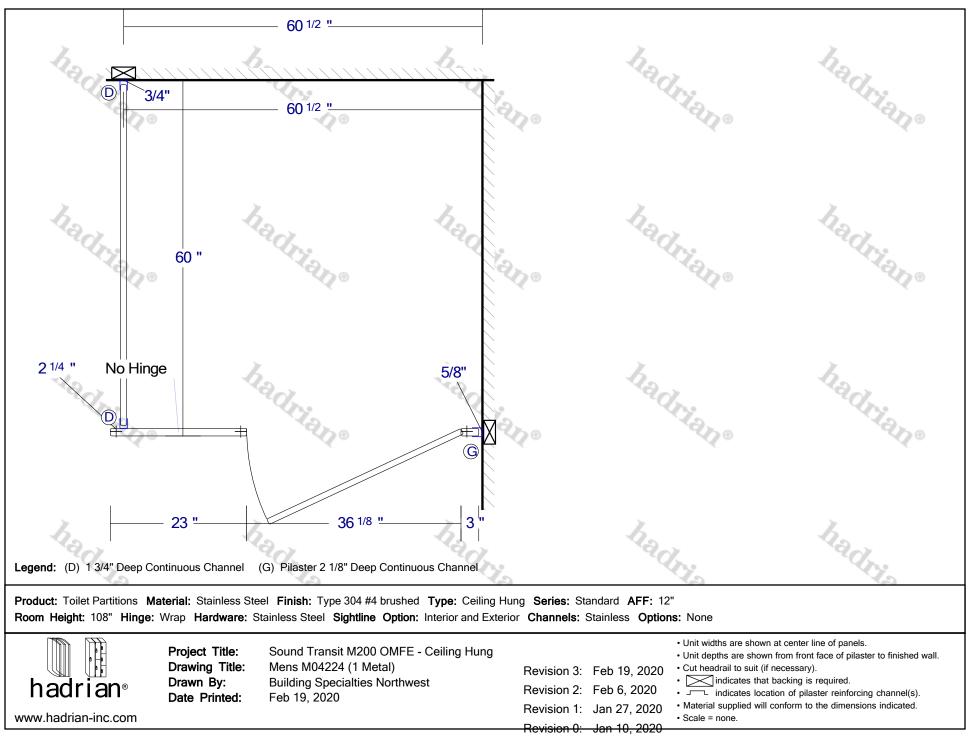


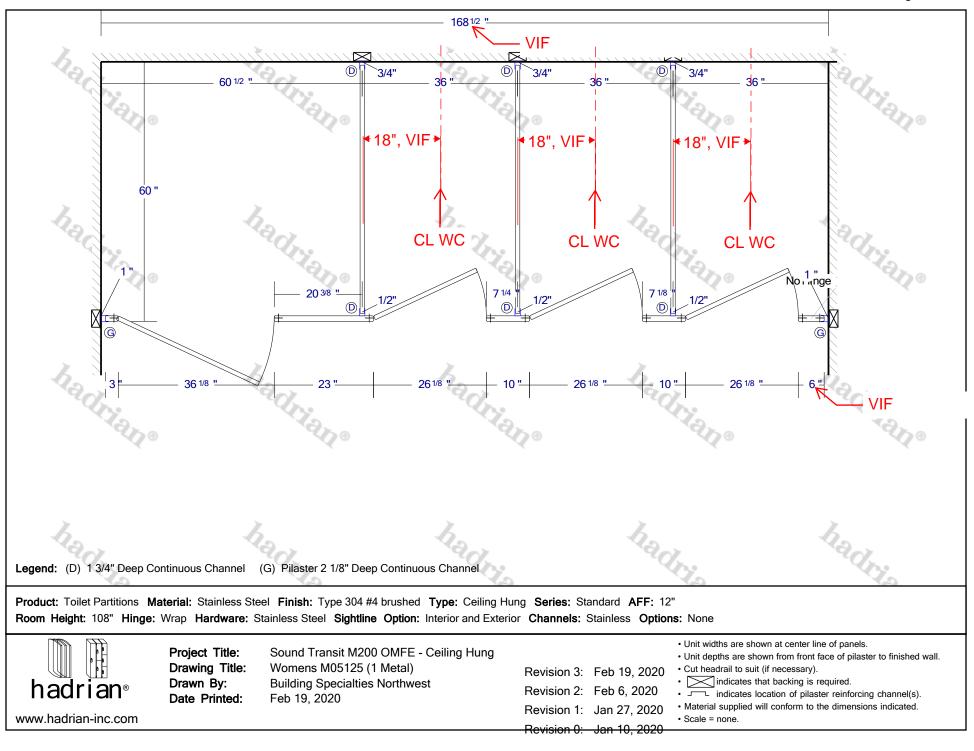


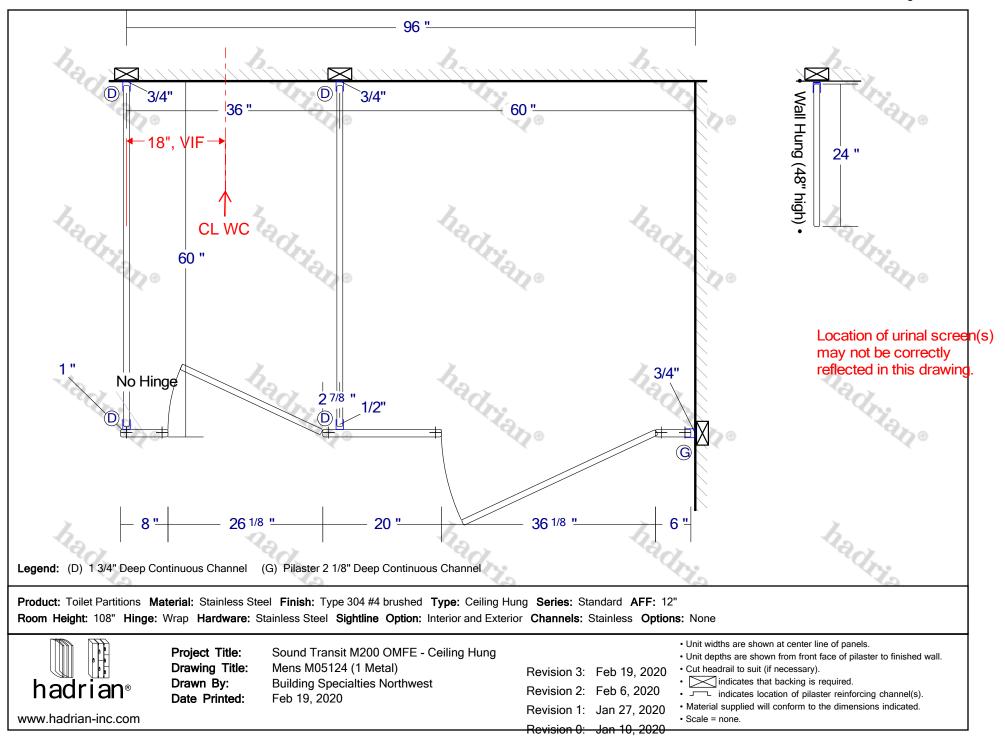




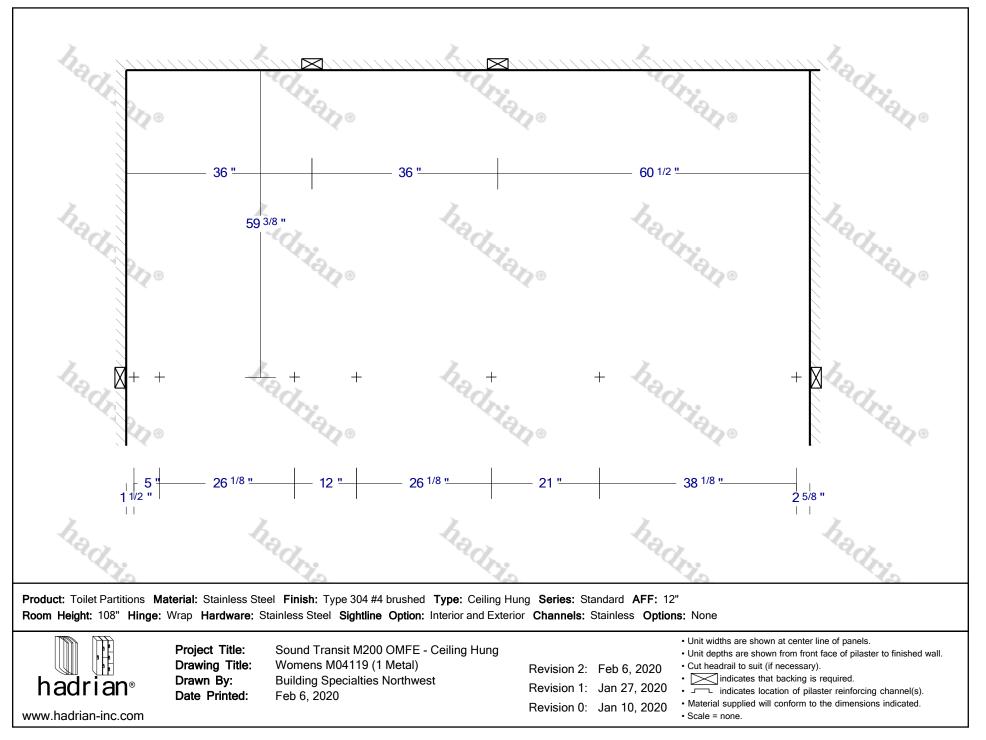


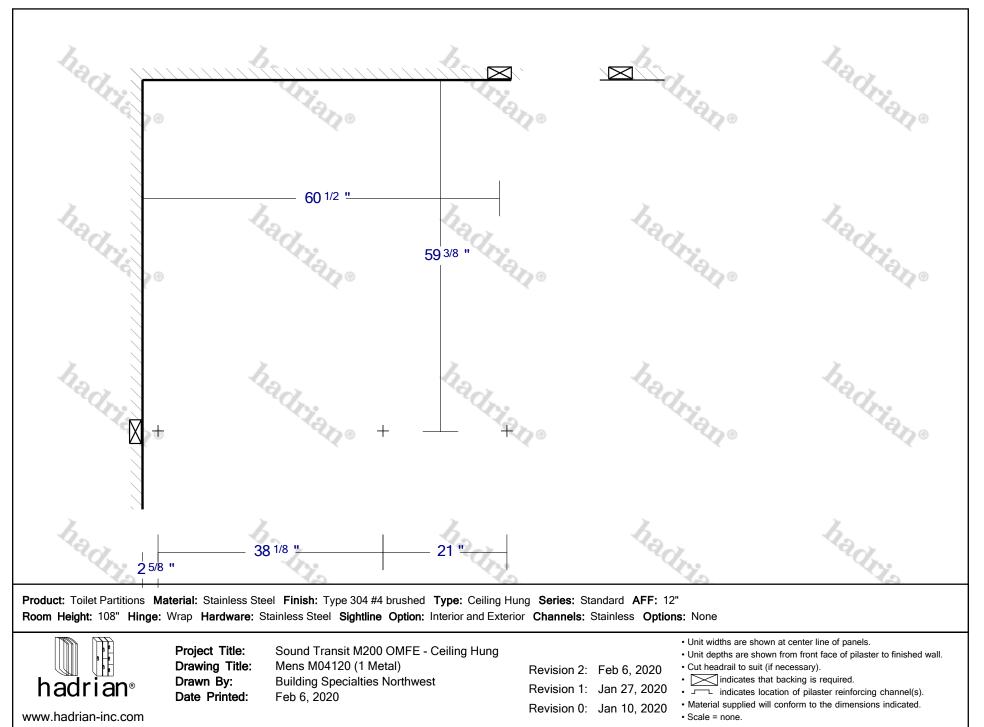


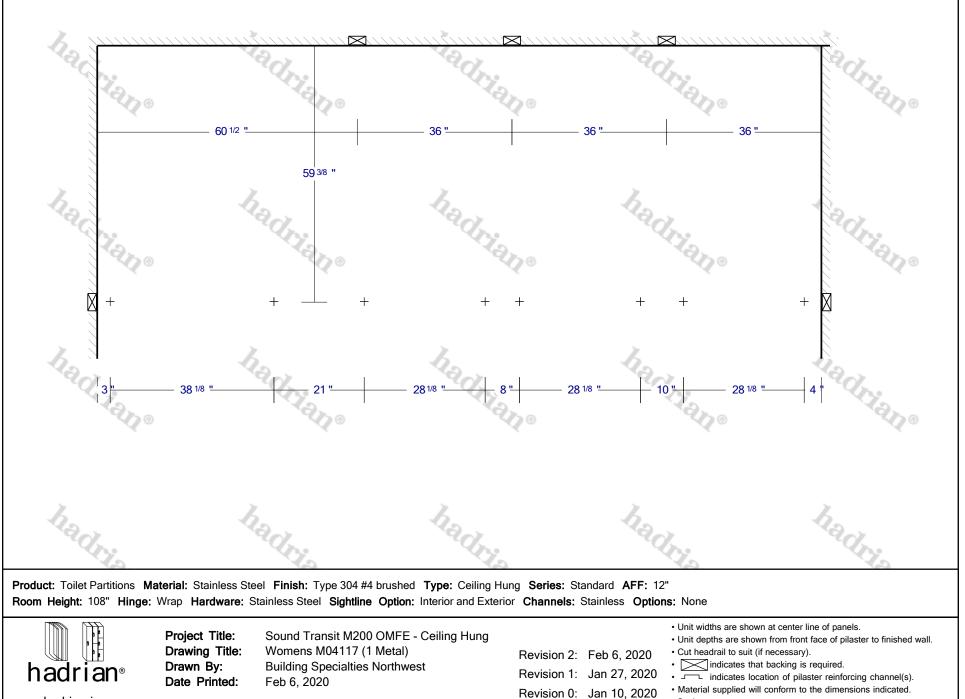






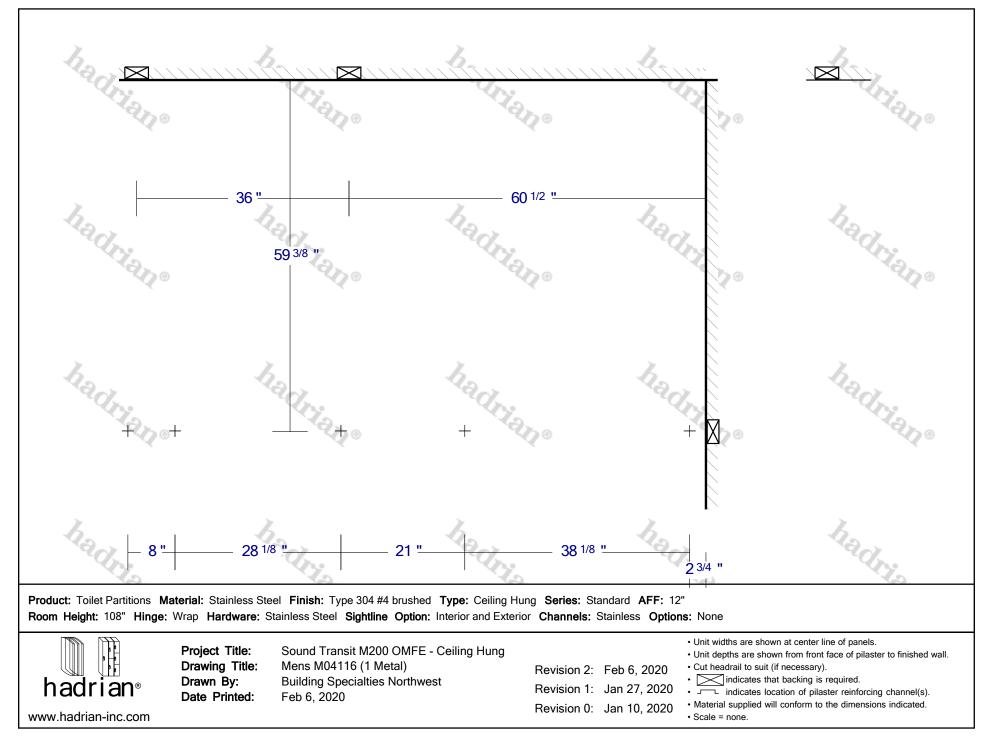




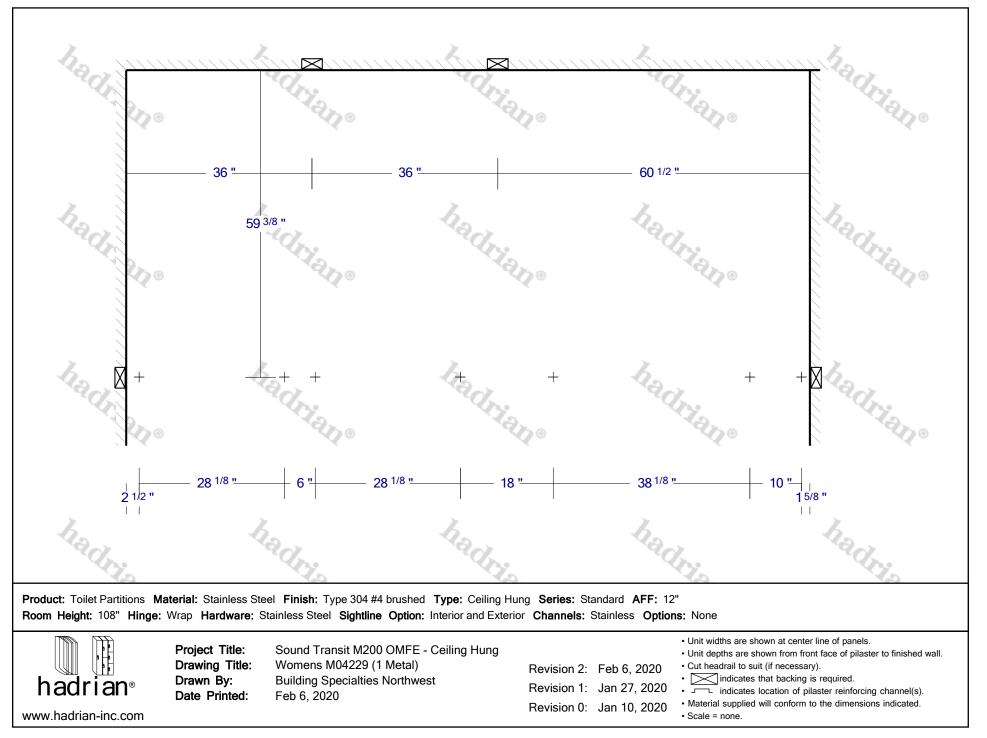


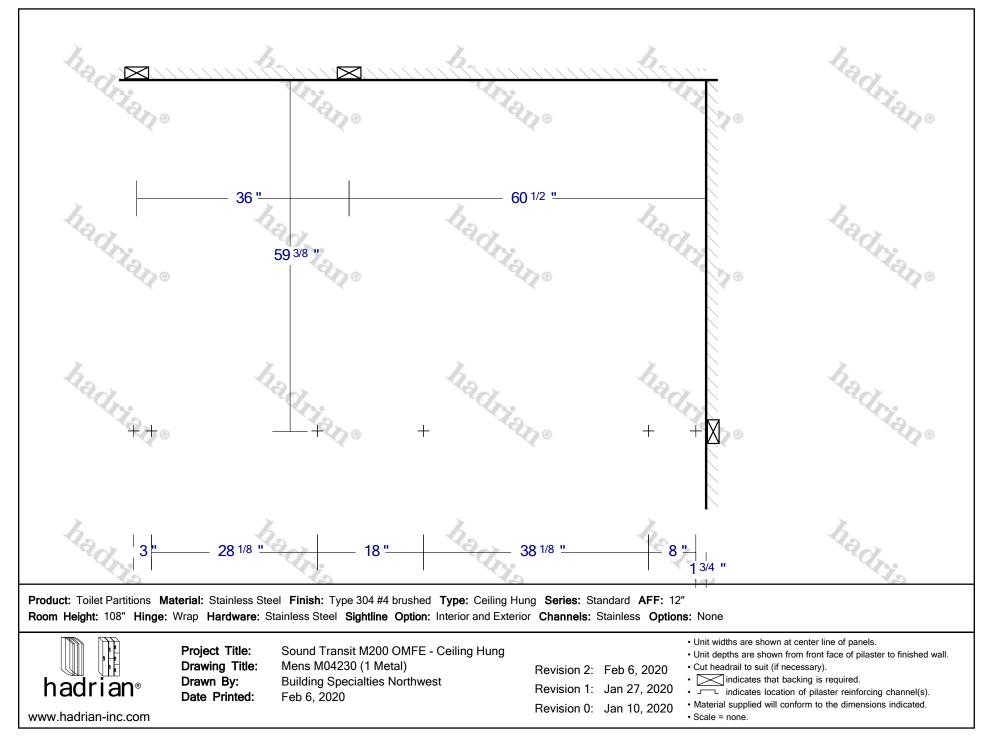
www.hadrian-inc.com

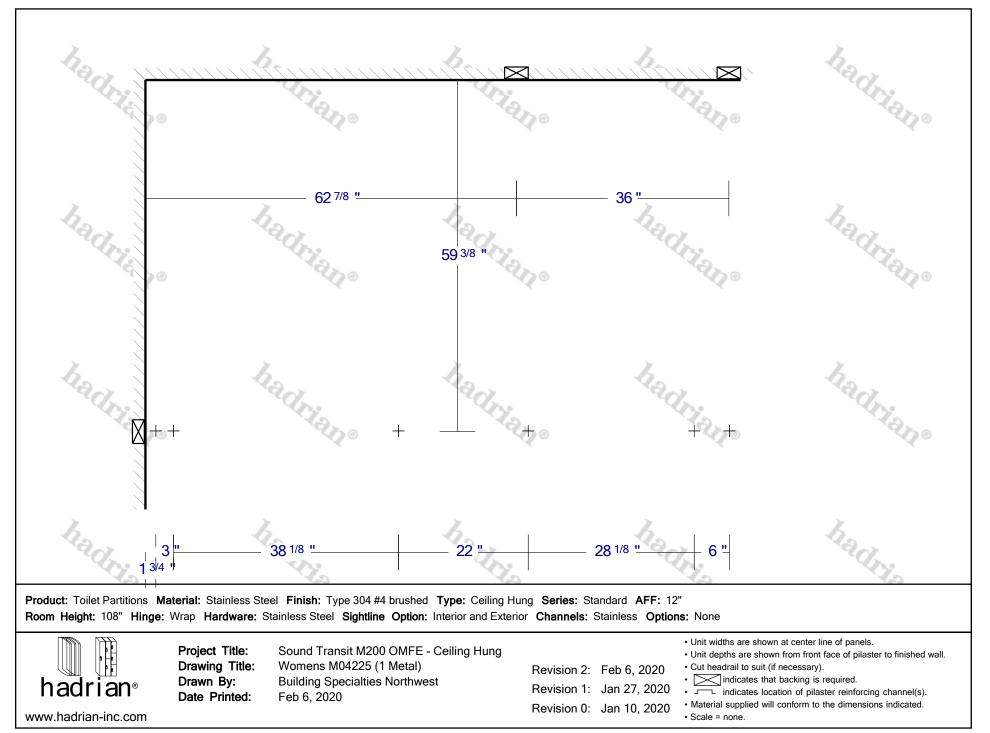
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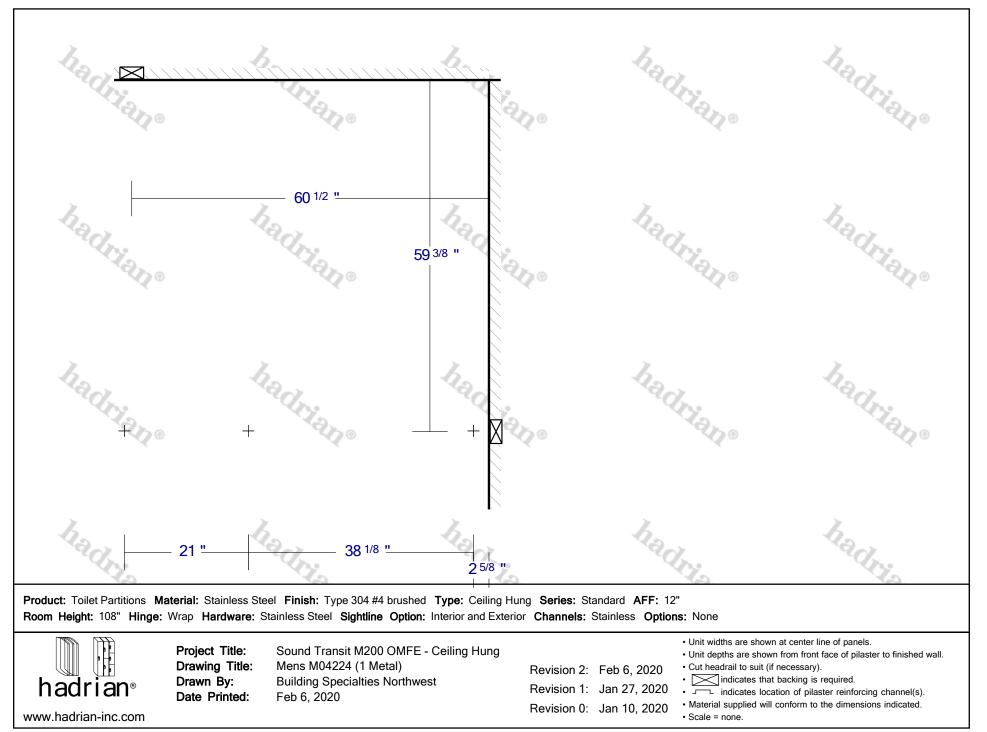


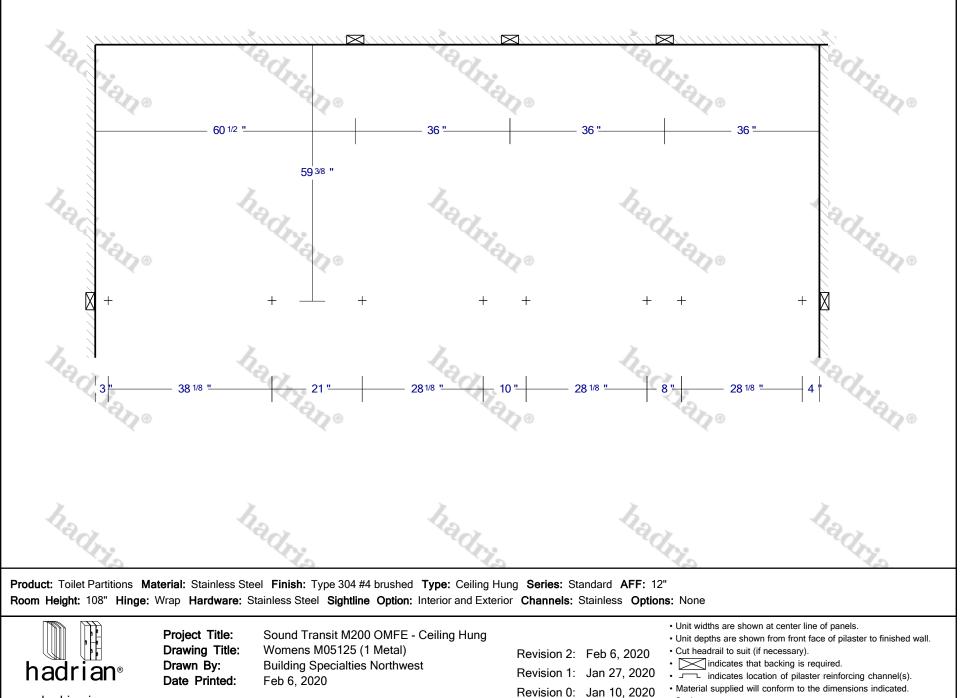






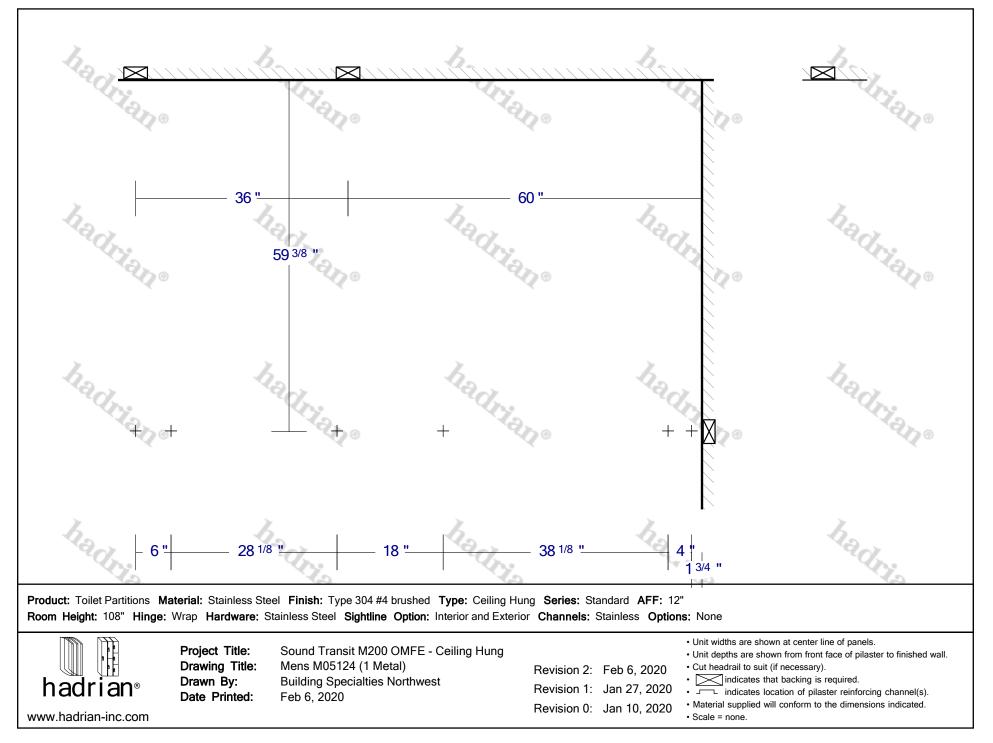






www.hadrian-inc.com

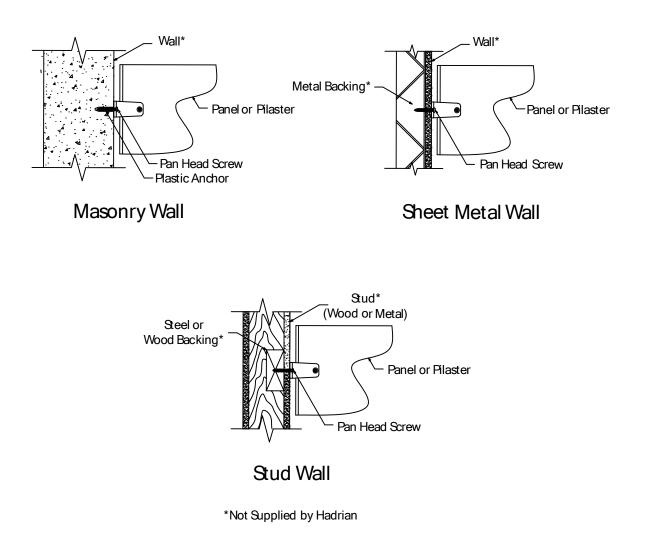
Scale = none.



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Recommended Methods for Attaching to a Wall

The details below demonstrate the recommended methods for attaching panels and pilasters to common wall types. Other wall types may be encountered. In all cases, proper wall backing is required to achieve a successful toilet partition installation.





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Material Specification

BSNW NOTE TO ARCHITECT: The total thickness of the pilaster is 1 1/4" as shown here in 1.04. The total thickness of 1-1/4" is constructed of the core and stainless steel skins adhered to the core. 1-1/4" thick pilasters for metal powder coat and stainless steel is the industry standard and is included in these Hadrian partitions.

Ceiling Hung Standard Stainless Steel Metal Toilet Partitions

1.01 Construction Features

Doors, Panels and Pilasters shall be constructed of two sheets of panel flatness Type 304, #4 brushed finish stainless steel, laminated under pressure to a 0.75" honeycomb core for impact resistance, rigidity and sound deadening. Formed edges to be welded together and interlocked, under tension, with a roll-formed oval crown locking bar, mitred, welded and ground smooth at the corners. Honeycomb to be of virgin, long fiber paper with a maximum 12.5mm (1/2") cell size.

1.02 Doors

Shall be 25mm (1") thick with cover sheets not less than 0.8mm (.030").

1.03 Panels

Shall be 25mm (1") thick with cover sheets not less than 0.8mm (.030").

1.04 Pilasters

Shall be 32mm (1.25") thick with cover sheets not less than 1.2mm (.048") Floor to ceiling pilasters may be required in some locations.

1.05 Pilaster Fastening Method

Pilasters shall be rigidly fastened to structural steel or pre-cast concrete supporting member (Note: wood support is not acceptable) by means of two heavy hanging studs permitting vertical adjustment between bottom of supporting member and finished ceiling line. Hadrian supplied ceiling studs MUST be used to create a secure installation. The bottoms of all pilasters shall be truly aligned. The top connection shall be concealed by a 102mm (4") high, die formed #4 brushed finish stainless steel pilaster shoe.

Note: the above specification does not include the supplying, installing, drilling or tapping of any of the structural members required in the ceiling for the support of these units. Only the studs are supplied for installation by others.

1.06 Hardware and Fittings

Panel-to-pilaster, panel-to-wall, and pilaster-to-wall connections are ma are cast stainless steel with a #4 brushed finish. A full length aluminum sightline gaps between pilasters and doors. Fasteners are #4 brush finished stainless steel 12 x 1-3/4" and 12 x 5/8"	continuous stop and full lengthatuminum hingeside filler eliminate all
Doors shall be equipped with gravity type hinges mounted on upper and with a self-lubricating nylon sleeve. Door hinges shall be wrap-around s when not latched.	lower pilaster hinge brackets. Threaded top tyle and adjustable to permit the door to con
Coat Hook and Bumper: Each door to be fitted with a combined coat hoo	bk and bumper. Finish to match other hardware items. confirm.
Latch to be a concealed, standard zinc #4 brushed finish die casting wit	m
Pilaster shoes to be stainless steel with a #4 brushed finish.	ALL HARDWARE TO BE
1.07 Finish Type 304, #4 brushed finish stainless steel	hunny
This specification applies to room(s): Womens M04119 (1 Metal) (p. 3), Mens M04116 (1 Metal) (p. 6), Womens M04229 (1 Metal) (p. 7), Mens M (1 Metal) (p. 10), Womens M05125 (1 Metal) (p. 11), Mens M05124 (1 M	104230 (1 Metal) (p. 8), Womens M04225 (1 Metal) (p. 9), Mens M04224
BSNW NOTE TO ARCHITECT: The hingeside filler and co are aluminum, and they are treated and brushed at the fac appearance of stainless steel. They cannot be stainless st difficulty with machining to this profile in stainless steel. All	tory to give the seel due to the

quote is stainless steel such as the channels, door kits and hinges. See next page for more info on all the SS hardware provided with these partitions.



Wall Mounted and Floor Mounted Stainless Steel Urinal Screens

1.01 Construction

Screens shall be constructed of two sheets of panel flatness type 304, #4 brushed finish stainless steel, laminated under pressure to a vertical honeycomb core for impact resistance, sound deadening and rigidity. Formed edges to be welded together and inter-locked under tension with a roll-formed oval crown locking bar, mitred, welded and ground smooth at the corners. Honeycomb to have a maximum 12.5mm (0.5") cell size.

1.02 Wall Mounted Screens

Screens shall be 25mm (1") thick with cover sheets not less than 22-gauge (0.8mm / .030"). Screens must be 457mm (18") or 610mm (24") deep by 1219mm (48") high and anchored into the wall approximately 305mm (12") off the floor with two brackets spaced 902mm (35.5") apart.

1.03 Floor Mounted Screens

Screens shall be 25.cm (1") thick with cover sheets not less than 22-gauge (0.8mm / .030"). Screens must be 1473mm (58") high in depths ranging from 457mm (18") to 1524mm (60") and anchored into the wall approximately 305mm (12") off the floor man two brackets spaced 1156mm (45.5") apart.

Supporting pilasters shall be 127mm (5") wide by 32mm (1.25.) wick with cover eneets not less than 18-gauge (1.2mm / .048"). Supporting pilasters shall be securely and rigidly fastened to the floor using 19mm (0.75°) diameter expansion shields with spacers and nuts for leveling. Floors, preferably concrete, should not be less than 127mm (5") thick for rigidity and anel orage. The floor fastening shall be concealed and protected by a 102mm (4") high, die-formed #4 brashed finish stainless steel pilaster shoe.

1.04 Hardware and Fittings

Wall mounted and floor mounted screens shall be fastened to the wall with double-ear brackets. Floor mounted screens shall be fastened to the copporting pilaster with "U" brackets. Fasteners are theft-proof 6-lobe security head stainless steel screws.

1.05 Finish

Type 304, #4 brushed finish stainless steel

This specification applies to room(s): Mens M04120 (1 Metal) (p. 4), Mens M04116 (1 Metal) (p. 6), Mens M05124 (1 Metal) (p. 12)

PROVIDED

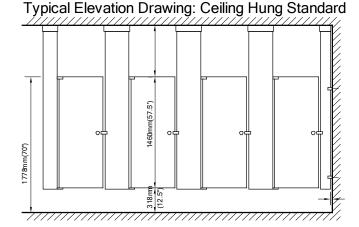
Stainless Steel Hardware Upcharge Option:

- All pilaster, panel and screen brackets are stamped stainless steel, #4 brushed finish.
- All door wrap around hinge brackets are cast stainless steel, #4 brushed finish.
- All 12 x 1-3/4" & 12 x 5/8" TR-27 6-lobe security screws are stainless steel, #4 brushed finish.
- All pilaster shoes are Stainless Steel, #4 brushed finish.

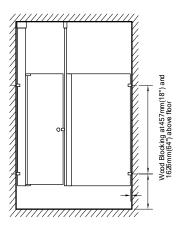
 All inner, barrier free inner, outer, door pulls, stop and keepers, coat hooks and door castings are standard zinc die castings, #4 brushed finish.

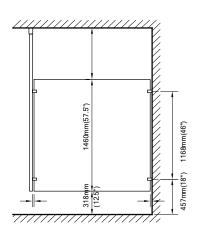
- All other components not outlined here are standard Hadrian hardware items.





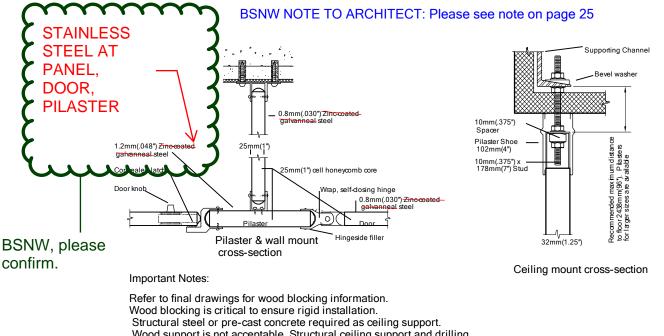
Ceiling Hung Standard Front Elevation





Ceiling Hung Standard Alcove Elevation

Ceiling Hung Standard Panel Elevation



Wood support is not acceptable. Structural ceiling support and drilling for studs by others. Studs supplied by Hadrian but installed by others.

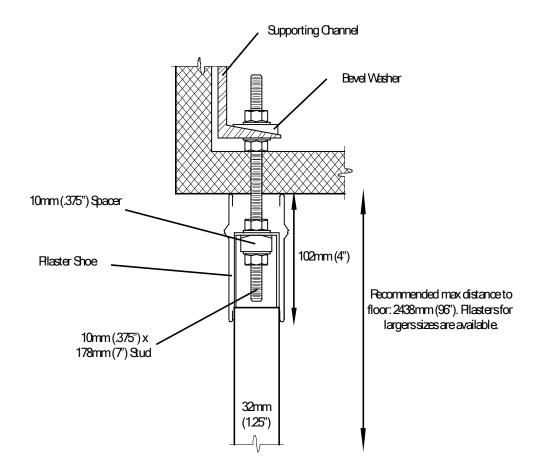


Hadrian Manufacturing Inc., 965 Syscon Road, Burlington, ON, L7L 5S3 • Tel: (905) 333-0300 • Fax: (905) 333-1841 Hadrian Inc., 7420 Clover Avenue, Mentor, OH, 44060 • Tel: (440) 942-9118 • Fax: (440) 942-9618

Iduntal Inc., 7420 010001 Avenue, Mentol, 011, 44000 * 161. (440) 342-3110 *1 dx. (440) 342-301

Hadrian Inc., 3602 West Washington Street, Suite 200, Phoenix, AZ 85009 www.hadrian-inc.com

Ceiling Mount Detail for Metal Toilet Partitions



Important Notes:

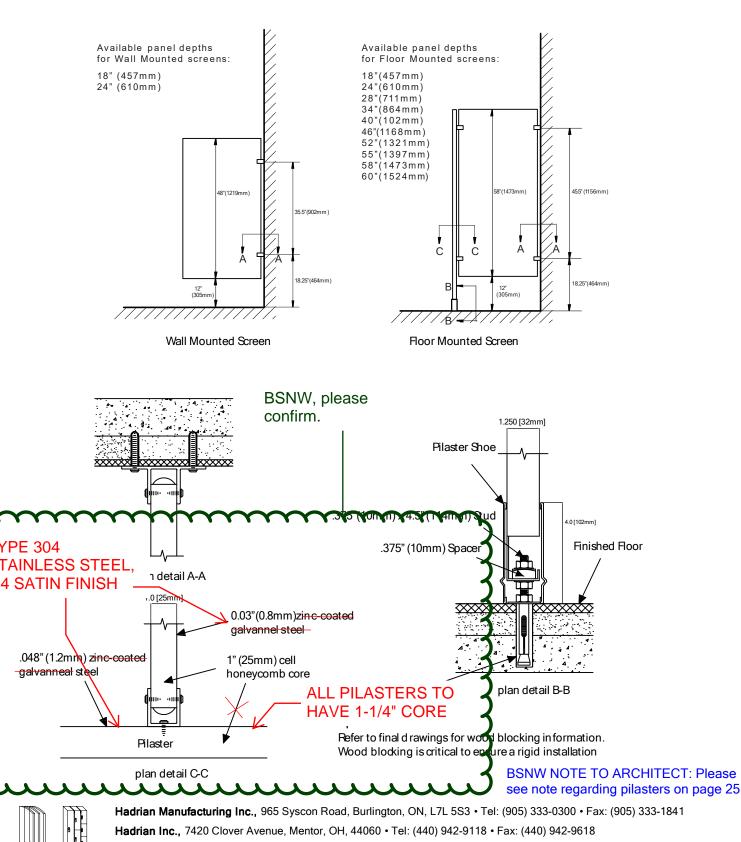
Structural steel or pre-cast concrete required assupport (wood support is not acceptable). Structural support and drilling for studs by others. Studs supplied by Hadrian but installed by others. Hadrian supplied ceiling studs MUST be used to create a secure installation.



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Wall Mounted and Floor Mounted

Metal Urinal Screens



Hadrian Inc., 3602 West Washington Street, Suite 200, Phoenix, AZ 85009

www.hadrian-inc.com

Warranty Information

Project Name: Sound Transit M200 OMFE - Ceiling Hung

Hadrian Manufacturing Inc. ("Hadrian") provides the following warranty with respect to Hadrian toilet partitions and lockers.

Subject to the terms set out herein, the products are warranted against defects in material and workmanship from the date of receipt by the authorized Hadrian distributor for the applicable warranty periods outlined below:

- Powder Coated Toilet Partitions: 3 years
- Stainless Steel Toilet Partitions: 5 years
- Solid Plastic Toilet Partitions: 25 years
- Emperor (corridor) Lockers: 2 years
- Gladiator (athletic) Lockers: 5 years
- Replacement Front Lockers: 2 years

The warranty is for Hadrian material only and excludes damages caused by installation errors, vandalism, improper usage, improper maintenance, exposure to harsh environments or chemicals (such as chlorine, bromine, etc.) or failure of the building structure to adequately support the product. Site preparations (i.e. wood blocking, etc.) must meet final drawing specifications and Hadrian's recommended maintenance procedure must be followed.

The exclusive remedy under this warranty shall, at Hadrian's discretion, be replacement or repair of the defective material, Hadrian will not pay any removal, installation or other labour costs associated with the repair or replacement. Replacement material will be warranted for the unused portion of the original warranty period.

No warranty of merchantability or fitness for a particular purpose is made or implied. In no event shall Hadrian be liable for any other costs or damages, including loss of profit, loss of revenue, indirect, incidental, special or consequential damages howsoever arising, wither under warranty, contract, statue, tort, equity or otherwise.

This warranty extends only to the original customer and is non-transferable. Warranty claims must be made during the applicable warranty period and initiated by contacting Hadrian at the following coordinates: USA: 440-942-9118/CANADA: 905-333-0300.

The foregoing constitutes the entire warranty given by Hadrian and no one is authorized to change or expand this warranty on behalf of Hadrian.



Maintenance Procedure

For Embossed and Stainless Steel Toilet Partitions and Urinal Screens

1. The best method of maintaining your high quality Hadrian Stainless Steel and Embossed Stainless Steel toilet partitions is frequent regular cleaning. Surfaces should be cleaned with a mild detergent or ammonia solution, rinsed with clear water (preferably warm/hot) and wiped dry. Never attempt to clean stainless steel with a steelwool cleaning pad, wire brush, or cleaning agents containing harsh abrasives.

2. If dirt build-up must be removed, use a metal cleaner specifically recommended for stainless steel. Deposits which require scouring may be removed with a mild abrasive powder such as the household cleaner, Ajax. Grease, oil and/or fingerprints may be removed with detergent and water, plus a solvent (i.e. acetone, kerosene, mineral spirits, etc.). Be sure to rub in the direction of the grain of the metal.

3. It is important to rinse stainless steel with clear water and wipe the surfaces with a soft cloth after cleaning to remove all traces of the cleaning agent. Again, rubbing and wiping should be done in the direction of the polished lines, not against them.

4. For any other assistance in maintaining the "bright look" of Stainless Steel and Embossed Stainless Steel toilet partitions, please call your local Hadrian representative.





LEED Material Declaration Form

Sound Transit Operations and Maintenance Facility: East (OMFE)

Material Information	
Material Description	Toilet Partitions
CSI Division	102113
Is the material structure or enclosure?	□Yes ☑No
Material Name	Metal (900 - Stainless Steel)
Manufacturer Name	Hadrian
Manufacturer Contact (Name, Phone/Email)	James Villanueva, 778.385.1507, james@dj-skinner.com
Material Cost (\$)*	\$23,500.00

*Material Cost includes all taxes and expenses to deliver the material to the project site and excludes any cost for labor and equipment required for installation after the material is delivered to the site.

Attach supporting documentation for all declarations made below

Environmental Product Declarations (EPD)	
Does the material have an EPD? (if no, skip this section) □ Yes □ No	
EPD Program Operator	
EPD Type	Product-specific Industry-wide (generic) Product-specific Type III
EPD attached	□Yes

Sourcing of Raw Materials		
Does the material have a Corporate Sustainability Report or meet at least one of the responsible extraction criteria below? (if no, skip this section)		□Yes ☑No
Corporate Sustainability	Report Type	Manufacturer declared Third-party verified
Extended Producer Responsibility	Extended Producer Responsibility Closed Loop or Take Back Program Name	
	Percent Extended Producer Responsibility (%)	
Bio-based Materials	Percent Meeting Sustainable Agriculture Network Standard (%)	
	Percent FSC Certified (%)	
Wood Products	Vendor FSC Chain of Custody Certificate Number	
Materials Reuse	Percent Salvaged or Reused (%)	
Recycled Content	Percent Post-Consumer (%)	
Recycled Content	Percent Pre-Consumer (%)	
Regional Information for Entire Product	Extraction Location (City, Province/State)	
	Manufacture Location (City, Province/State)	
	Purchase Location (City, Province/State)	
Supporting documentation attached		□Yes



Material Ingredients	
Does the material have a chemical inventory? (if no, skip this section)	Yes 🛛 No
Type of Material Ingredient Reporting	Manufacturer Inventory - GreenScreen (GS) Manufacturer Inventory - Globally Harmonized System (GHS) Health Product Declaration Cradle to Cradle Declare ANSI/BIFMA e3 Furniture Sustainability Standard Cradle to Cradle Material Health Certificate Product Lens Certification Facts - NSF/ANSI 336
Supporting documentation attached	□Yes

Interior Paints and Coatings Applied On Site		
Is the material an interior paint or coating applied on site? (if no, skip this section)		□Yes ☑No
All fields must be com	pleted for this category	
Meets California Department of Public Health (CDPH) Standard Method v1.1–2010?		□Yes □No
CDPH Exposure Scena	rio	
Range of total VOCs after 14 days (336 hours)		□ 0.5 mg/m3 or less □ between 0.5 and 5.0 mg/m3 □ 5.0 mg/m3 or more
Applicable Regulation, Product Type, and Allowable VOC	Regulation	 SCAQMD Rule 1113 CARB 2007 Canadian VOC Concentration Limits for Architectural Coatings
Content from attached	Product Type	
page	Allowable VOC Content (g/L)	
Actual VOC Content (g/L)		
Total Volume Purchased (L)		
Contains lead?		□Yes □No
Contains intentionally added cadmium?		Yes No
Supporting documentation attached		☐ Yes

Exterior Paint	
Is the material an exterior paint? (if no, skip this section)	□Yes ☑No
Contains lead?	□Yes □No
Contains intentionally added cadmium?	□Yes □No
Supporting documentation attached	∎Yes

Interior Adhesives and Sealants Applied On Site (Including Flooring Adhesive)		
Is the material an interior adhesive (including flooring adhesives) or sealant applied on site? (if no, skip this section)		□Yes ☑No
All fields must be com	pleted for this category	
Meets California Department of Public Health (CDPH) Standard Method v1.1–2010?		□Yes □No
CDPH Exposure Scenario		
Range of total VOCs after 14 days (336 hours)		□ 0.5 mg/m3 or less □ between 0.5 and 5.0 mg/m3 □ 5.0 mg/m3 or more
Applicable Regulation, Product Type, and	Regulation	 SCAQMD Rule 1168 Canadian VOC Concentration Limits for Architectural Coatings
Allowable VOC Content from attached	Product Type	
page	Allowable VOC Content (g/L)	
Actual VOC Content (g/L)		
Total Volume Purchased (L)		
Supporting documentation attached		□Yes



Flooring	
Is the material flooring? (if no, skip this section)	□Yes ☑No
Is the material inherently nonemitting**?	□Yes □No
Meets California Department of Public Health (CDPH) Standard Method v1.1–2010?	□Yes □No
CDPH Exposure Scenario	
Range of total VOCs after 14 days (336 hours)	□ 0.5 mg/m3 or less □ between 0.5 and 5.0 mg/m3 □ 5.0 mg/m3 or more
Supporting documentation attached	∎Yes

**Products that are inherently nonemitting sources of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood flooring) are considered fully compliant without any VOC emissions testing if they do not include integral organic-based surface coatings, binders, or sealants.

Composite Wood	
Is the material composite wood? (if no, skip this section)	□Yes ☑No
Requirement met	California Air Resources Board ATCM for formaldehyde requirements for ultra-low- emitting formaldehyde (ULEF) resins No added formaldehyde resins
Supporting documentation attached	□Yes

Ceilings, Walls, Thermal, and Acoustic Insulation		
Is the material a ceiling, wall, thermal, or acoustic insulation? (if no, skip this section)	□Yes ☑No	
Meets California Department of Public Health (CDPH) Standard Method v1.1–2010?		
CDPH Exposure Scenario		
Range of total VOCs after 14 days (336 hours)	□ 0.5 mg/m3 or less □ between 0.5 and 5.0 mg/m3 □ 5.0 mg/m3 or more	
Supporting documentation attached		

Furniture	
Is the material furniture? (if no, skip this section)	□Yes ☑No
Requirement met	ANSI/BIFMA e3-2011 Furniture Sustainability Standard, Sections 7.6.1 ANSI/BIFMA e3-2011 Furniture Sustainability Standard, Sections 7.6.2
Supporting documentation attached	∎Yes

Plumbing For Water Intended for Human Consumption		
Is the material solder or flux to connect plumbing pipe, or pipe, pipe fitting, plumbing fitting, or faucet for water intended for human consumption? (if no, skip this section)		□Yes ☑No
Requirement met	Solder and flux to connect plumbing pipe	□ California AB1953 standard (which specifies that solder not contain more than 0.2% lead, and flux not more than a weighted average of 0.25% lead for wetted surfaces. The "lead free" label as defined by the Safe Drinking Water Act (SDWA) does not provide adequate screening for the purposes of this credit because the SDWA defines "lead free" as solders and flux containing 0.2% lead or less.)
	Pipe fittings, plumbing fittings, and faucets	□ California law AB1953 (weighted average lead content of the wetted surface area of not more than 0.25% lead)
Supporting documentat	ion attached	Yes

Roofing and Flashing					
□Yes ☑No					
Lead-free					
□Yes					

Electrical Wire and Cable	
Is the material electrical wire or cable? (if no, skip this section)	□Yes ☑No
Requirement met	Lead content less than 300 parts per million
Supporting documentation attached	□Yes

hadrian

LEED Version 4 Certification Information

for Hadrian Toilet Partitions and Lockers

The U.S. Green Building Council's LEED (Leadership in Energy and Environmental Design) program is intended to raise awareness, establish standards for, and stimulate green building practices. Individual building products cannot be LEED certified. However, they can contribute toward the overall LEED certification of a building.

Hadrian products can contribute points in the following categories as outlined below:

MR Credit 4: Recycled Content:

To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

MR Credit 5: Regional Materials:

To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.

LEED	SECTION	DESCRIPTION	POWDER COATED	STAINLESS STEEL	SOLID PLASTIC TOILET PARTITIONS	LOCKERS		
CATEGORY	(& POINTS)		TOILET PARTITIONS	TOILET PARTITIONS	CLASSB			
		Post-consumer ¹	36%	76%	0%	36%		
		Pre-consumer ²	14%	15%	Minimum of 30%	14%		
Recycled Content	MR Credit 4 (2 possible points)	2	n addition to the recycled content of the material above, the honeycomb / verticel core of powder coated toilet partitions, stainless steel toilet partitions ar ockers contains 9% post-consumer and 9% pre-consumer recycled content.					
		Product Weight Distribution	92% Steel 8% Honeycomb	92% Steel 8% Verticel	N/A	99% Steel 1% Honeycomb		
Regional	MR Credit 5	Manufacturing / final assembly location	Burlington, ON	Burlington, ON	Mentor, OH	Burlington, ON		
Materials	(2 possible points)	Material extraction / harvest location		Material extraction / harvest	locations are not available.			

¹ Post-consumer material is defined as waste material generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product, which can no longer be used for its intended purpose.

² Pre-consumer material (also referred to as post-industrial material) is defined as material diverted from the waste stream during the manufacturing process. Reutilization of materials (i.e., rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it) is excluded.

VOLATILE ORGANIC COMPOUNDS (VOCs)

Hadrian's powder coated paints do not contain volatile organic compounds (VOCs) and our powder coating process utilizes environmentally friendly technology as there is virtually no waste, energy consumption is low and there are no solvent emissions.

UREA FORMALDEHYDE Hadrian products do not contain urea formaldehyde.

Hadrian's packaging materials (hardware boxes and locker end-caps) are made from 100% recycled material and our triple-ply, corrugated shipping container (USA) is 100% recyclable.



Leed v4 Credit Information

Building Product Disclosure and Optimization – Sourcing of Raw Materials

Hadrian products can contribute toward Option 2. Leadership Extraction Practices (1 Point)

Use products that meet at least one of the responsible extraction criteria below for at least 25%, by cost, of the total value of permanently installed building products in the project.

 Recycled content. Recycled content is the sum of <u>post-consumer recycled content</u> plus one half the <u>Pre-consumer recycled content</u>, based on cost. Products meeting recycled content criteria are valued at 100% of their cost for the purposes of credit achievement calculation.

For credit achievement calculation, products sourced (extracted, manufactured, and purchased) within 100 miles (160 km) of the project site are valued at 200% of their base contributing cost. For credit achievement calculation, the base contributing cost of individual products compliant with multiple responsible extraction criteria is not permitted to exceed 100% its total actual cost (before regional multipliers) and double counting of single product components compliant with multiple responsible extraction criteria is not permitted and in no case is a product permitted to contribute more than 200% of its total actual cost.

Hadrian's Recycled Content Documentation

LEED CATEGORY	DESCRIPTION	POWDER COATED TOILET PARTITIONS	STAINLESS STEEL TOILET PARTITIONS	SOLID PLASTIC TOILET PARTITIONS CLASS B	LOCKERS
	Post-consumer	36%	76%	0%	36%
	Pre-consumer	14%	15%	Minimum of 30%	14%
Recycled Content	in addition to the recycled content of the material above, the noneycomb core of powder coated tonet partitions, stamedo of				
	Product Weight Distribution	92% Steel 8% Honeycomb	92% Steel 8% Honeycomb	N/A	99% Steel 1% Honeycomb
Regional	Manufacturing/ Final assembly location	Burlington, ON	Burlington, ON	Mentor, OH	Burlington, ON
Materials	Material extraction / harvest location		Material extraction / h	arvest locations are not available.	

Hadrian's packaging materials (hardware boxes and locker end-caps) are made from 100% recycled material and our triple-ply, corrugated shipping container (USA) is 100% recyclable.

VOLATILE ORGANIC COMPOUNDS (VOCs)

Hadrian products (metal and solid plastic) do not emit volatile organic compounds. Our powder coating process utilizes environmentally friendly technology as there is virtually no waste, energy consumption is low, and there are no solvent emissions.

UREA FORMALDEHYDE

Hadrian products do not contain urea formaldehyde.

Building Product Disclosure and Optimization – Material Ingredients

Option 1. Leadership Extraction Practices (1 Point)

Use at least 20 different permanently installed products from at least five different manufacturers that use any of the following programs to demonstrate the chemical inventory of the product to at least 0.1% (1,000 ppm).

• Health Product Declaration. The end-use product has a published, complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration Open Standard.

Hadrian's Contribution - Hadrian is working toward a Health Product Declaration (HPD). Release date TBA.



USA: 440-942-9118 CAD: 905-333-0300 mail@hadrian-inc.com

Jessica Olsen Building Specialties Northwest Tel: +425-486-3693 www.lockedmail.com

January 8, 2020

Dear Jessica,

Thank you for your recent email. In response to your question, yes, more than 55% of our product cost for stainless steel ceiling hung toilet partitions originates from the United States. The stainless steel skins of the panel, doors, screens and pilasters are all purchased in America. Assembly of the partitions are done in Canada.

Please contact your Hadrian representative if you have further questions.

Sincerely,

Trevor Hogan Hadrian



 Hadrian

 USA
 T: 440-942-9118

 Canada
 T: 905-333-0300

 www.hadrian-inc.com

hadrian®

August 26, 2010

American Reinvestment and Recovery Act of 2009: Buy America Provision

Founded in 1983, Hadrian Manufacturing Inc. is a worldwide supplier of quality toilet partition and locker products with production facilities in the United States and Canada.

Hadrian's solid plastic toilet partitions are manufactured in Mentor, Ohio, USA.

Hadrian's metal toilet partitions and lockers are manufactured in Burlington, Ontario, Canada. Steel used in Hadrian's production facilities is sourced from several locations, including US production mills.

On February 16, 2010 an agreement between the United States and Canada took effect providing that section 1605(a) (the Buy America provision) of the American Reinvestment and Recovery Act of 2009 "shall not be applied to Canadian iron, steel, or manufactured goods in procurement covered by Annex 2 of the 1994 GPA." Refer to the full "Agreement Between the Government of Canada and the Government of the United States of America on Government" for details.



Hadrian Manufacturing Inc., 965 Syscon Road, Burlington, ON L7L 5S3 T: 905-333-0300 F: 905-333-1841 Hadrian Inc., 7420 Clover Avenue, Mentor, OH 44060 T: 440-942-9118 F: 440-942-9618 www.hadrian-inc.com



Operations Maintenance Facility: East

Submittal Transmittal

Detailed by Each Transmittal

899 120	5017101 th Avenue WA 98005		Jobsit e Tel: 425 Fax:	9 Info. 5.528.0000			Hensel Phelp
Date:	09/05/20	19				Reference N	umber: 104
Transmit	tted To:	Brian Mathews Sound Transit 400 South Jackson Stu Seattle, WA 98104	eet	Transmitted By:	Kelly McCandless Hensel Phelps 1899 120th Ave NE Bellevue, WA 98005		
Qty	Submitta	al Package No	Description		Due Date	Package Action	
1	0001 - 1	05113 - 0	Metal and Plastic Loc	kers	09/20/2019	Reviewed	
ransmi	tted For		Delivered	Via		Tracking Number	
Approva	I		SharePoir	t		M200-CRE-03354	
Items	Qty	Description		Notes		Item Action	
0001		LOCKERS : Produ	ct Data - ST	product india 1. Include co material des of individual and profiles,	a : For each type of cated. onstruction details, scriptions, dimensions components , and finishes for f locker and bench.	Reviewed	
0002		LOCKERS : Sustai	nable Design Submittals	1. LEED Sul components submit in co Section 01	Design Submittals : - bmittals: For s of this section, mpliance with inable Design its.	Reviewed	
0003		LOCKERS : Shop	Drawings - ST	sections, de attachments 2. Show locl accessories	lans, elevations, tails, and s to other work. ker trim and cker identification	Reviewed	
0004		LOCKERS : Samp	es for Initial Selection - ST	Samples for Manufacture	Initial Selection : er's color charts full range of colors	Reviewed	
0005		LOCKERS : - ST		product india 1. Include co material des of individual and profiles,	Product Data : For each type of product indicated. 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of locker and bench.		
0006		LOCKERS : Warra	nty	1. LEED Sul components	Design Submittals : - bmittals: For s of this section, mpliance with	Reviewed	



Date: 09/05	/2019				Reference Number: 1045	
		Section 01 81 13 Sustainable Design Requirements.				
Cc: Company	/ Name	Contact Name	Copies	Notes		
Remarks						

Brian,

Please see the attached M200-CRE-03354 SUB 105113-001.002 1.02 Metal and Plastic Lockers for your review and approval.

Thank you,

Kelly McCandless



Signed Date

Signature



M200 Operations Maintenance Satellite Facility - East

Submittal No./Ref./Title: SUB 105113-001.001 1.02 Metal and Plastic Lockers Date Received: 8/28/19 **Correspondence No.:** M200-CRE-03291 Date Due to Contractor: 9/14/19

requirements and shall not relieve the Contractor of responsibility for any errors or omissions in such			Action Legend: Code 1 - No Exceptions Taken Code 2 - Exceptions As Noted Code 3 - Exceptions as Noted - Resubmission Required Code 4 - Resubmission Required		wer: Returned: III Review Action: Legend)	Brian Matthews 8/28/19 4
ltem No.	Submittal Section/ Spec Reference	Item Review Action	Reviewer's Comments		Con	tractor's Response
Reviev	v Comments:					
1	10 51 13 1.02A	4	Per submittal PR020917-001.003 this submittal is a required review.		Transmittal has review and app	been adjusted to request roval
2	10 51 13 1.02C	4	Per submittal PR020917-001.003 this submittal is a required review.		Transmittal has review and app	been adjusted to request roval
3	10 51 13 1.02D	4	Per submittal PR020917-001.003 this submittal is a required review.		Transmittal has review and app	been adjusted to request roval
4						
5						
6						

DIRECTIONS:

Once you have inputted your comments and populated the required fields (as designated in RED) then go to 'FILE > SAVE AS > CURRENT FOLDER' and in the file name add a space and a hyphen and a space and your initials to the end of the title. Then click save. This will create another DOC file of the comment sheet that will have your initials at the end of the file name.

Example: M200 SUB XXXXX-XXX.XXX Review Comments - REVIEWER INITIALS



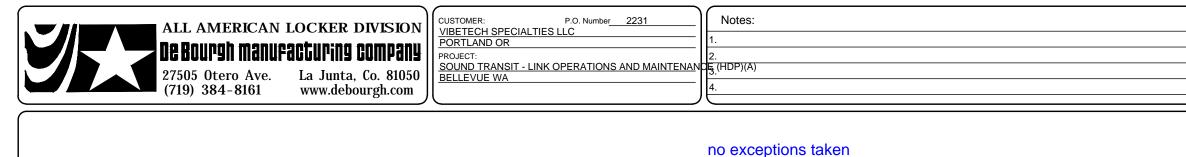
Operations Maintenance Facility: East

Submittal Packages

Detailed Tracking Form

-	5017101 Avenue NI VA 98005	E		Jobsite Info. Tel: 425.528.0000 Fax:					Hensel Phelps
0001-10	5113-0		Meta	I and Plast	c Lockers				
Submitta	I Author (Company	C	ontact	Author Package	e # Trade)	Prior	rity
Hensel Ph	ielps		к	elly McCandl	ess	Lockers	6		
Items									
Item #	Reg #	Rev #	Spec Sec	Sub Sec	Description		Туре		Action
0001	01197	0	10 51 13	1.02-A	LOCKERS : Product Data - S	Т	Product	Data	Reviewed
0003	01199	0	10 51 13	1.02-C	LOCKERS : Shop Drawings -	ST	Shop Dr	awings	Reviewed
0004	01200	0	10 51 13	1.02-D	LOCKERS : Samples for Initia	al Selection - ST	Samples	3	Reviewed
0006	03994	0	10 51 13	1.05-A	LOCKERS : Warranty		Warrant	y	Reviewed
0007	01198	0	10 51 13	1.02-B	LOCKERS : Sustainable Desi	ign Submittals	LEED		Reviewed
0008	03168	0	10 51 13	1.02-A	LOCKERS : - ST		Delivery	Only	Reviewed
Reviewer	s								
From Co	mpany			To Compan	у	Sent Date	Due Date	Sent For	
Hensel Ph	elps			Vibetech Spe	cialties LLC	07/23/2019	08/06/2019	Resubmittal	
Hensel Ph	elps			VIA Architect	ure Inc.	08/12/2019	08/26/2019	Approval	

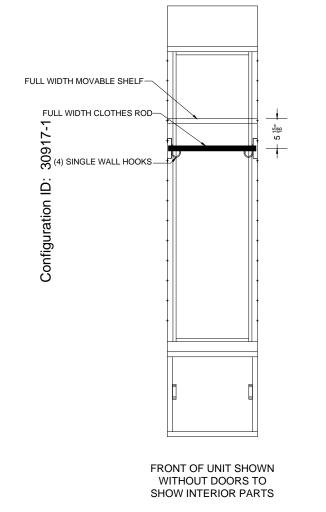
	Project: M200 OMFE	Project: M200 OMFE
REVIEWED APPROVED Image: Constraint of the subcontractor/supplier of the responsibility for conformance to the quality standards as set forth in the contract documents. Approval does not relieve the subcontractor/supplier of the responsibility for conformance to the quality standards as set forth in the contract documents, nor does it relieve responsibility for field verification of all conditions relating to the work of the subcontractor/supplier. The subcontractor/supplier is responsible for dimensions and quantities of materials relating to this contract. CK'D: KJM Date: 8/12/19 HPCC Submittal NO: 1051113-001.001	DOR Review Discipline: X Architectural Structural Mechanical Electrical Other This document has been reviewed for general conformance and compliance with the DOR's construction documentation and the following is noted: REVIEWED, NO EXCEPTIONS TAKEN X REVIEWED AS NOTED REVISE AND RESUBMIT REVISE AND RESUBMIT DOR REVIEWER: DOR REVIEWER: DATE: MACOUNT REQUIRED DOR Reviewer: VIA Date: 8/23/19 Company: VIA	DOR Review Discipline: Architectural Structural Mechanical Electrical X Other LEED This document has been reviewed for general conformance and compliance with the DOR's construction documentation and the following is noted: REVIEWED, NO EXCEPTIONS TAKEN REVIEWED AS NOTED REVISE AND RESUBMIT REJECTED DOR REVIEW NOT REQUIRED DOR Reviewer: Megan LesliØate: <u>26-Aug-19</u> Company: <u>Stantec</u>

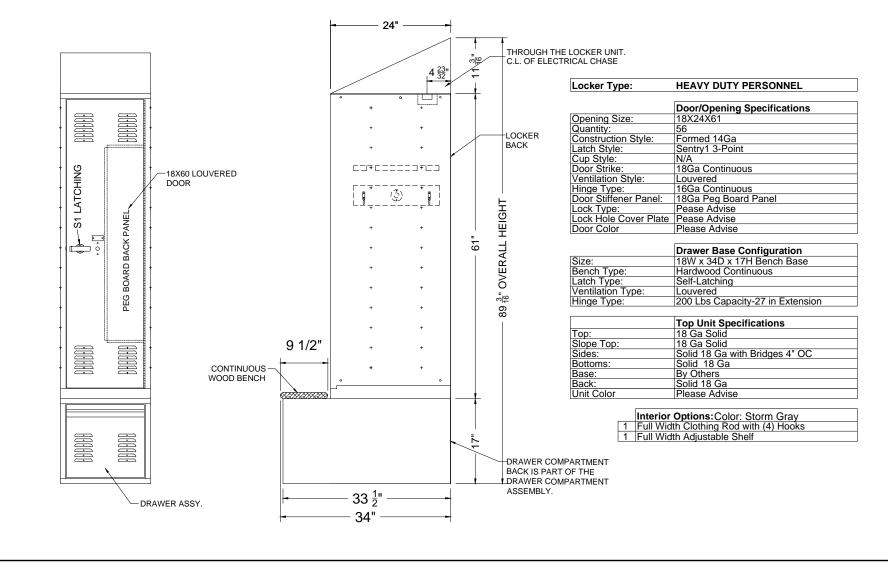




.KR







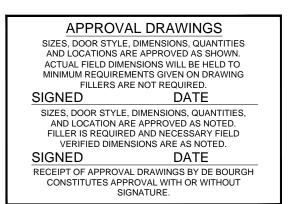
 		_	
DATE 07-10-2019	DRAWN BY BNOVAK		$\left(\right)$
	REVISION APPROVAL		84_UNITS
08-08-2019	RE-SUB 1		206 OPENINGS
 			S.O. Number
		\supset	30917

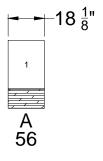
NOTICE

THIS ORDER WILL BE ENTERED INTO THE DeBOURGH PRODUCTION SCHEDULE ONLY UPON RECEIPT BY THE FACTORY OF SIGNED APPROVAL DRAWINGS. THIS SHALL INCLUDE THE FOLLOWING CONFIRMED INFORMATION:

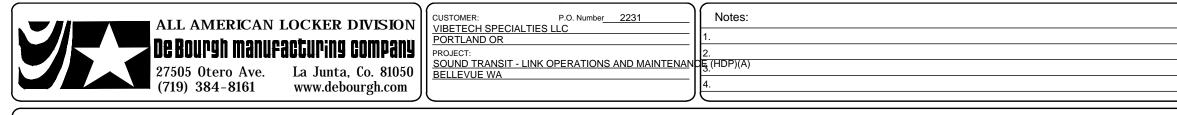
- 1) FIELD VERIFICATIONS
- 2) COLOR SELECTION
- 3) LOCK STYLE AND SEQUENCE (IF APPLICABLE)
- 4) NUMBER PLATE SEQUENCE

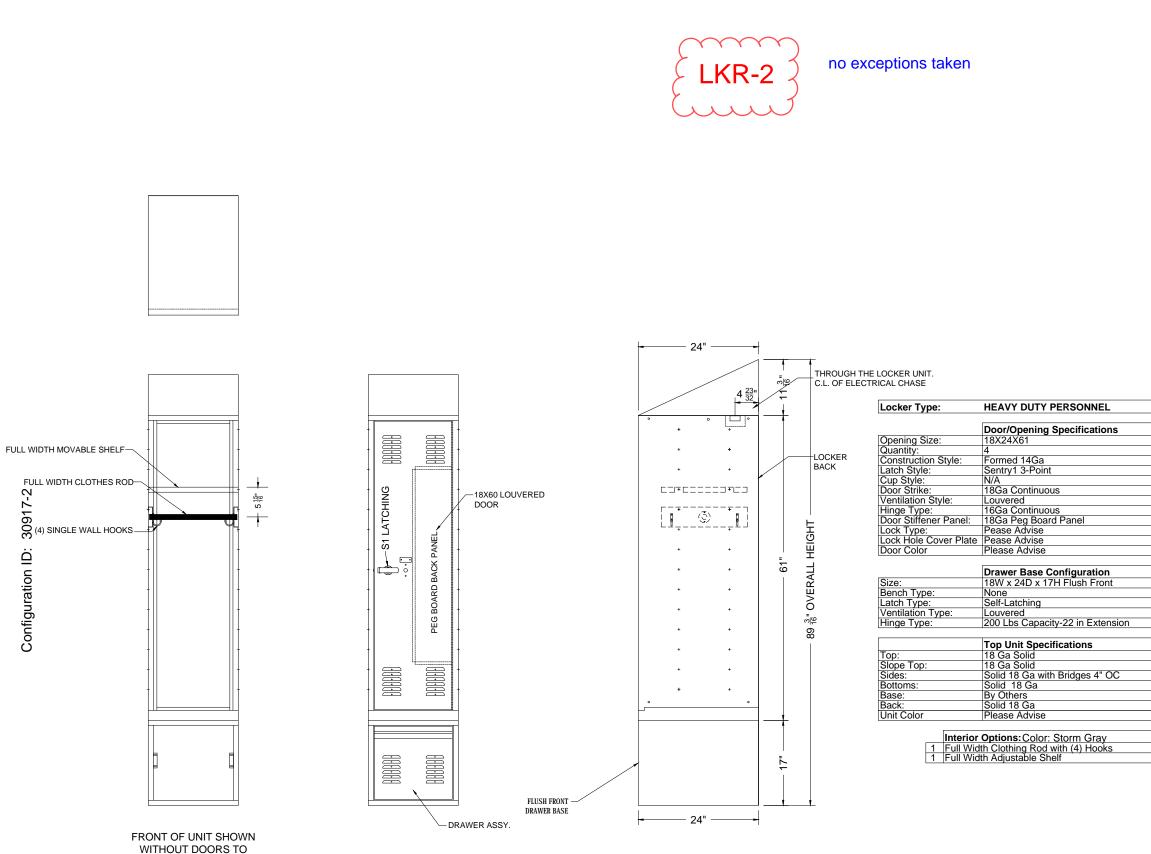
ANY CHANGES REQUESTED AFTER RECEIPT OF THIS INFORMATION MAY RESULT IN ADDITIONAL CHARGES AND/OR PRODUCTION DELAYS.





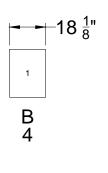
SHEET 1 OF 9





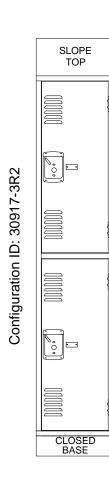
SHOW INTERIOR PARTS

07- DA 07-	ATE R	DRAWN BY BNOVAK EEVISION APPROVAL EE-SUB 1	84_UNITS 206_OPENINGS S.O. Number 30917



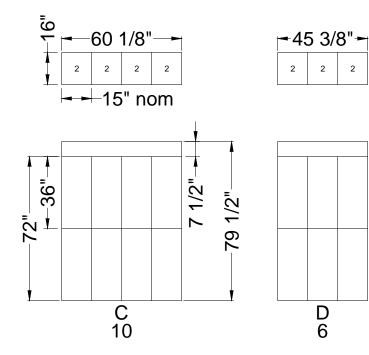


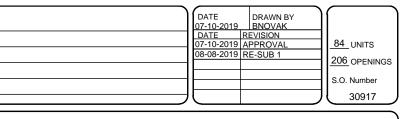
ALL AMERICAN LOCKER DIVISION	CUSTOMER: P.O. Number 2231 VIBETECH SPECIALTIES LLC PORTLAND OR	Notes: 1.
De Bourgh manufacturing company 27505 Otero Ave. (719) 384-8161 La Junta, Co. 81050 www.debourgh.com	PROJECT: SOUND TRANSIT - LINK OPERATIONS AND MAINTENAN BELLEVUE WA	2. CF3.(HDP)(A) 4.

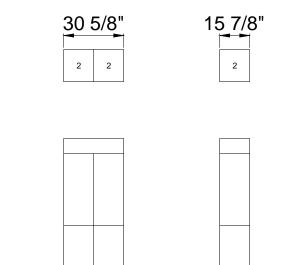


Locker Type:	Apex Angle Iron
	Opening 1 Specifications
Opening Size:	15Wx16Dx36H
Quantity:	146
Construction Style:	Formed 14Ga
Latch Style:	S3, Single Point
Cup Style:	S3 Standard
Door Strike:	Facia
Ventilation Style:	Louvered
Hinge Type:	5-Knuckle 14Ga
Door Stiffener Panel:	Vertical 18Ga
Lock Type:	Please Advise
Lock Hole Cover Plate	Please Advise
Hooks: Singles	2
Hooks: Doubles	1
Other:	
Clothing Rods:	Not Included
Standard Shelf:	None
Additional Shelf:	None
Door Color	Please Advise

	Unit Specifications
Тор:	Solid 16Ga
Slope Top:	25 Degree 18Ga Solid
Intermediate Partitions:	Solid 16Ga
Tier Divider:	Solid 16Ga
Sides:	Solid 16Ga
Solid End Panels:	All Solid
Bottoms:	Solid 16Ga
Base:	4 In Closed 14Ga
Back:	Solid 18Ga
Unit Color	Please advise



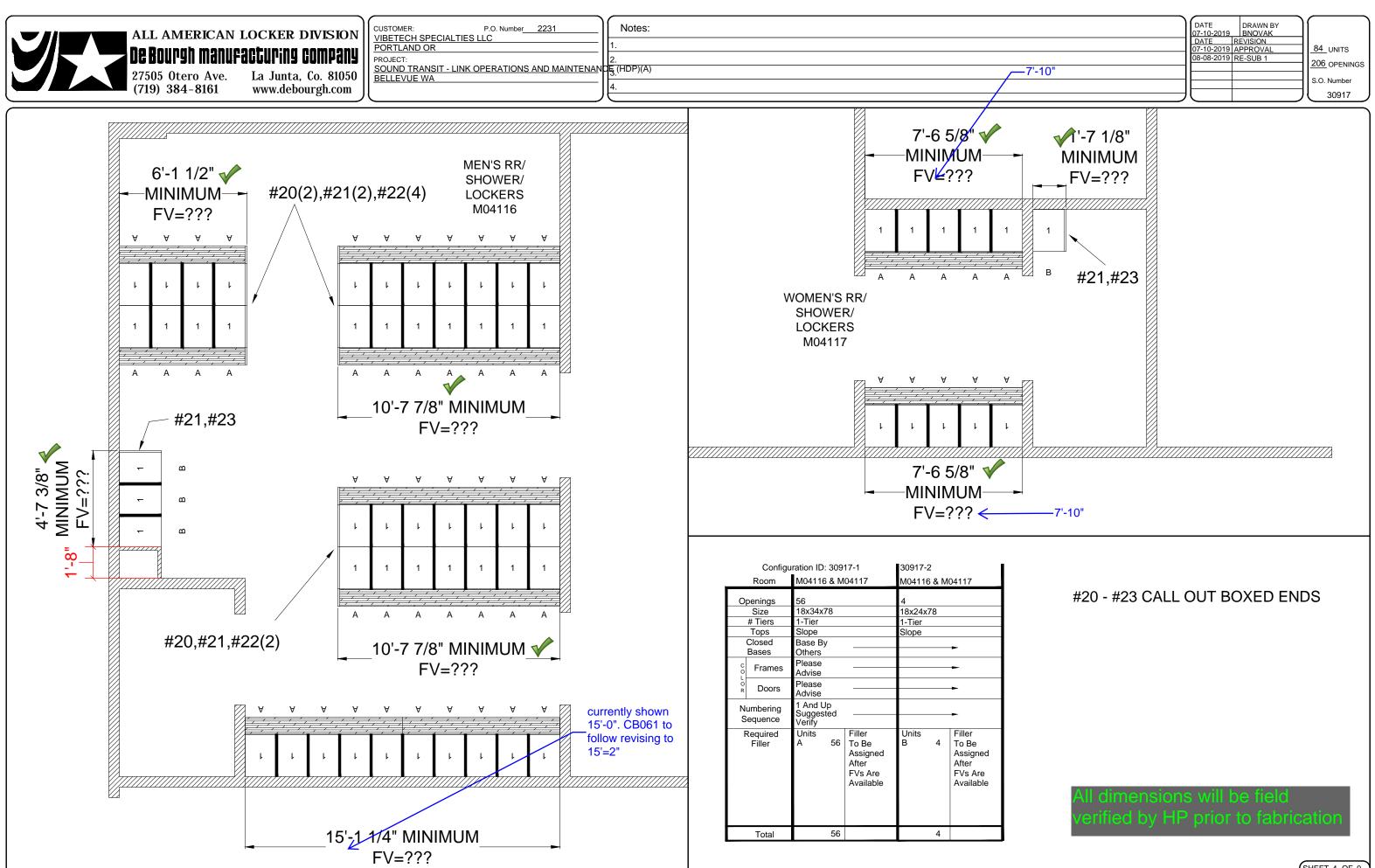




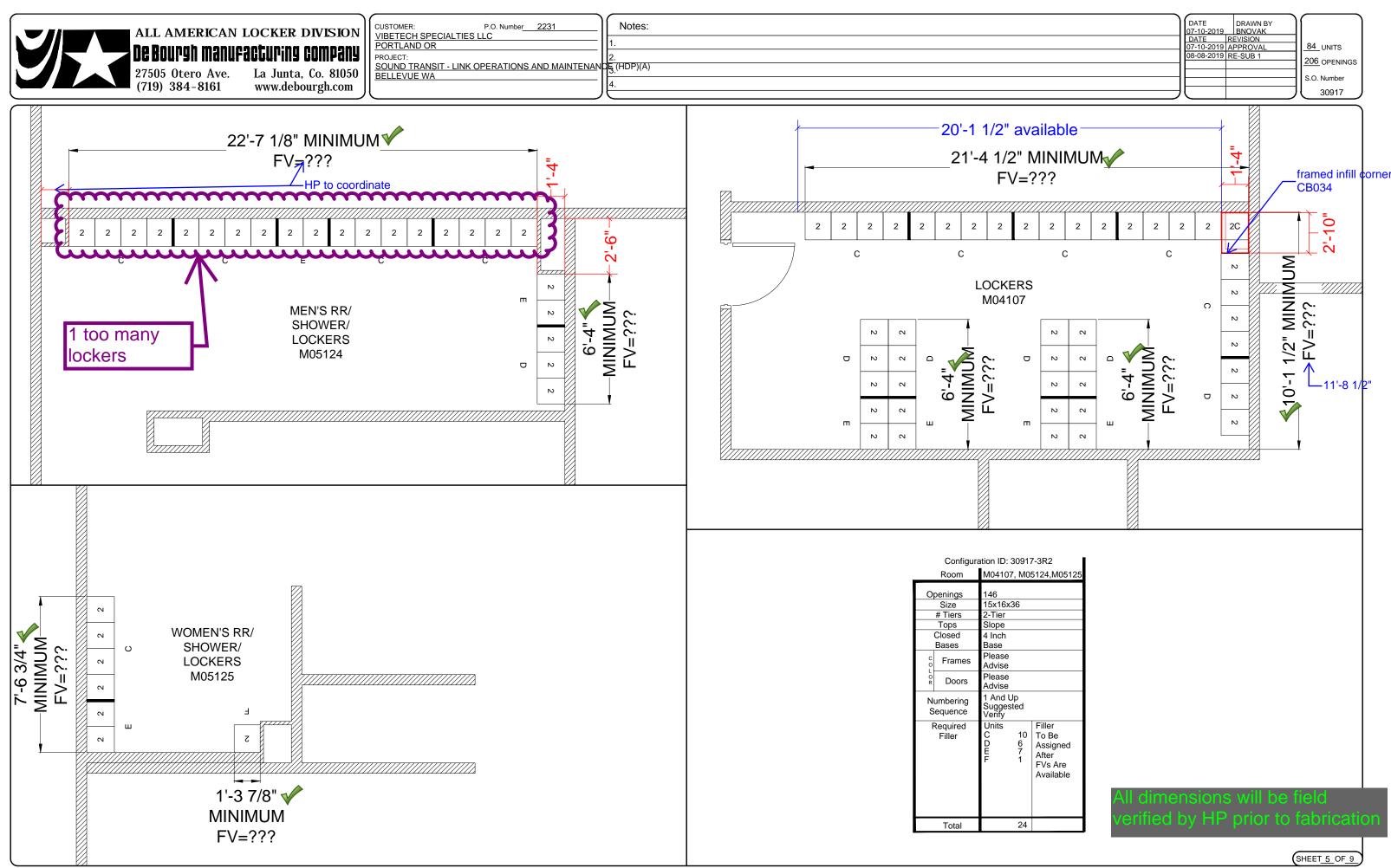
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F 1



SHEET 4 OF 9





LL AME	RICAN LOCKER	DIVISIO
e Bourgh	manufacturing	company

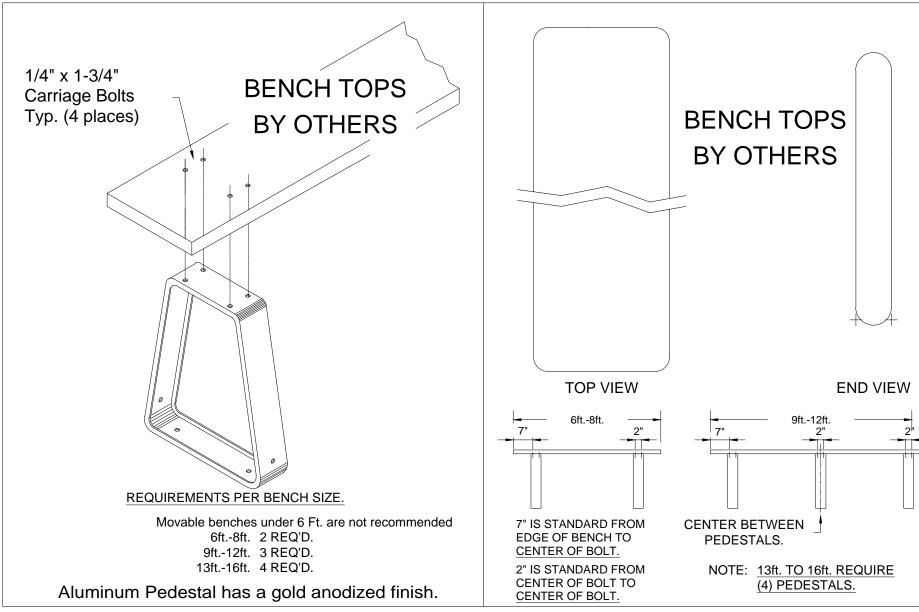
27505 Otero Ave. (719) 384-8161

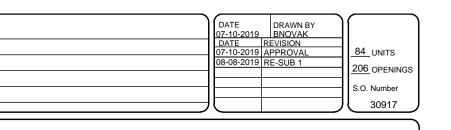
VIBETECH SPECIALTIES LLC PORTLAND OR PROJECT: annai.IIIa nniilkaila SOUND TRANSIT - LINK OPERATIO BELLEVUE WA La Junta, Co. 81050 www.debourgh.com

CUSTOMER:

P.O. Number <u>2231</u> LC	Notes:
	1.
	2.
PERATIONS AND MAINTENAN	ୁକ୍ର (HDP)(A)
	4.

ALUMINUM PEDESTAL





Room No.s	Alum. Ped
	40
Total	40



ALL AMERICA	N LOCKER	DIVISION
e Bourgh man	ufacturing	company
7505 Otoro Avo	La Junta	Co 81050

27505 Otero Ave. (719) 384-8161 La Junta, Co. 81050 www.debourgh.com

		•
CUSTOMER:	P.O. Number	2231
VIBETECH SPECIALTIES	LLC	
PORTLAND OR		
PROJECT: SOUND TRANSIT - LINK (OPERATIONS	AND MAINTENAN

SOUND TRANS

FIRST RESPONDER CONTINUOUS BENCHES **RECOMMENDED SPLICING METHODS**

NO SPLICE 90 DEG MITER 45 DEG MITER SPLICED

Notes: E, (HDP)(A)

DeBourgh Manufacturing Co.

1-800-328-8829

Room					L	ENGT	Ή				
No.s	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'
M04116						2	2			4	
M04117						0	2			0	
Total						2	4			4	
	e #1: e #2:	The		s of Ha	ardwo	od are		constr led wit		of <u>har</u>	dwoo
Nat	ຸ ມາງ.		(1k a a			ام م م م		l finiah		الم م	

Note #3: Lacquer Sealer.

> There are two coats of sealer on the top and sides with one coat on the bottom.

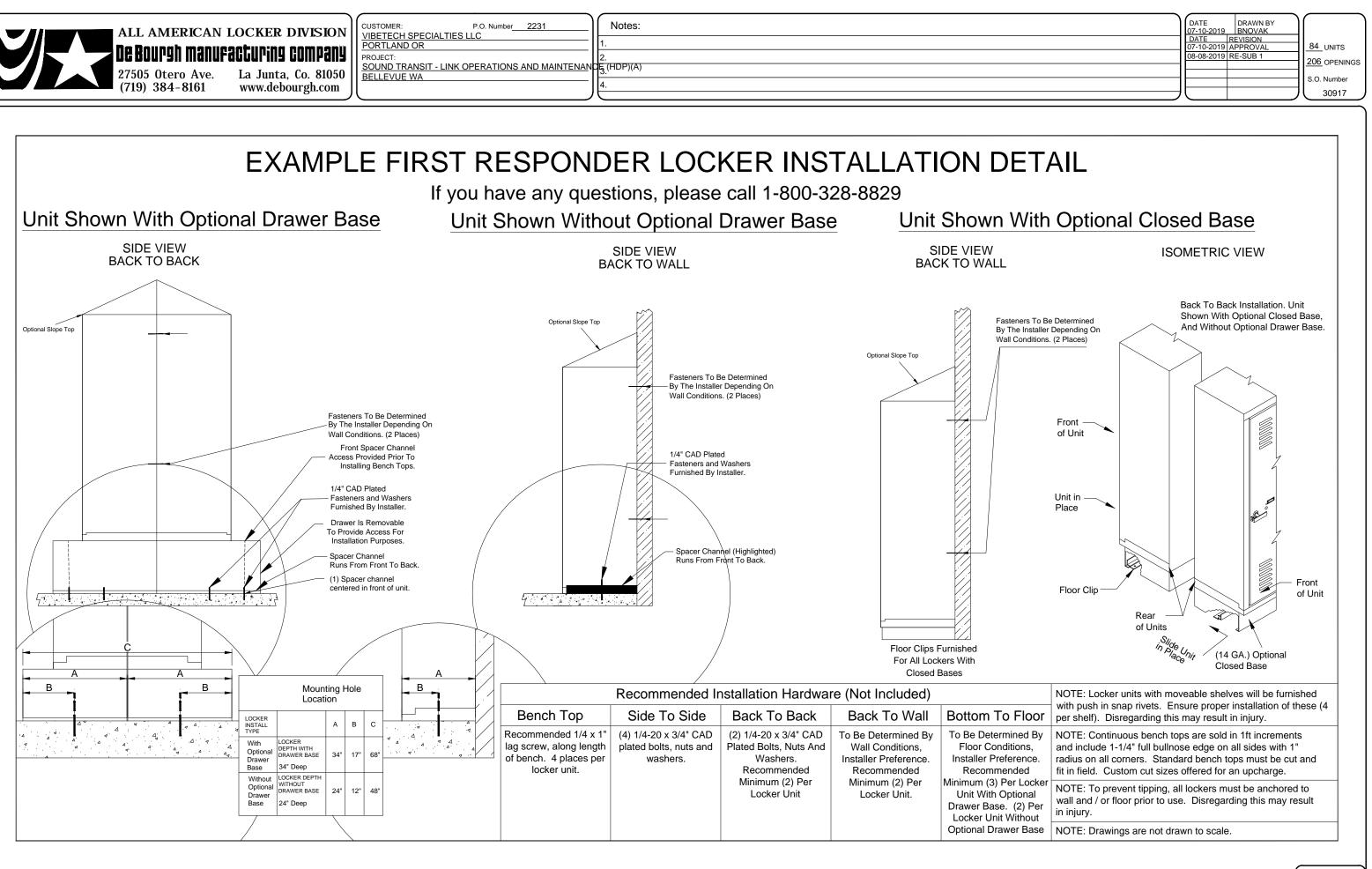
Note #4:

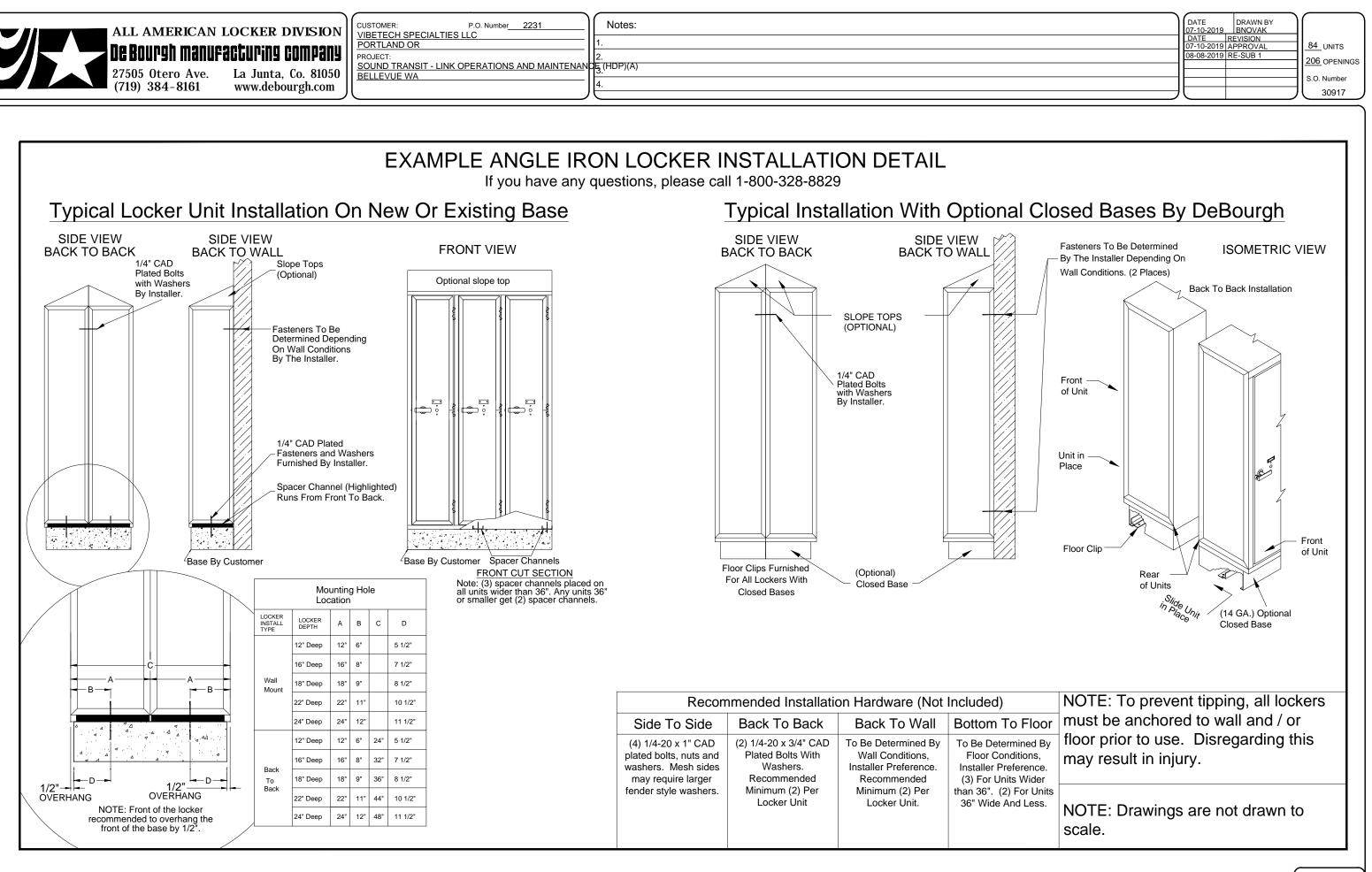
DATE 07-10-2019	DRAWN BY BNOVAK		\square
DATE 07-10-2019 08-08-2019			84_UNITS 206_OPENINGS S.O. Number
		$\underline{}$	30917

All of the surfaces are sanded and finished with a

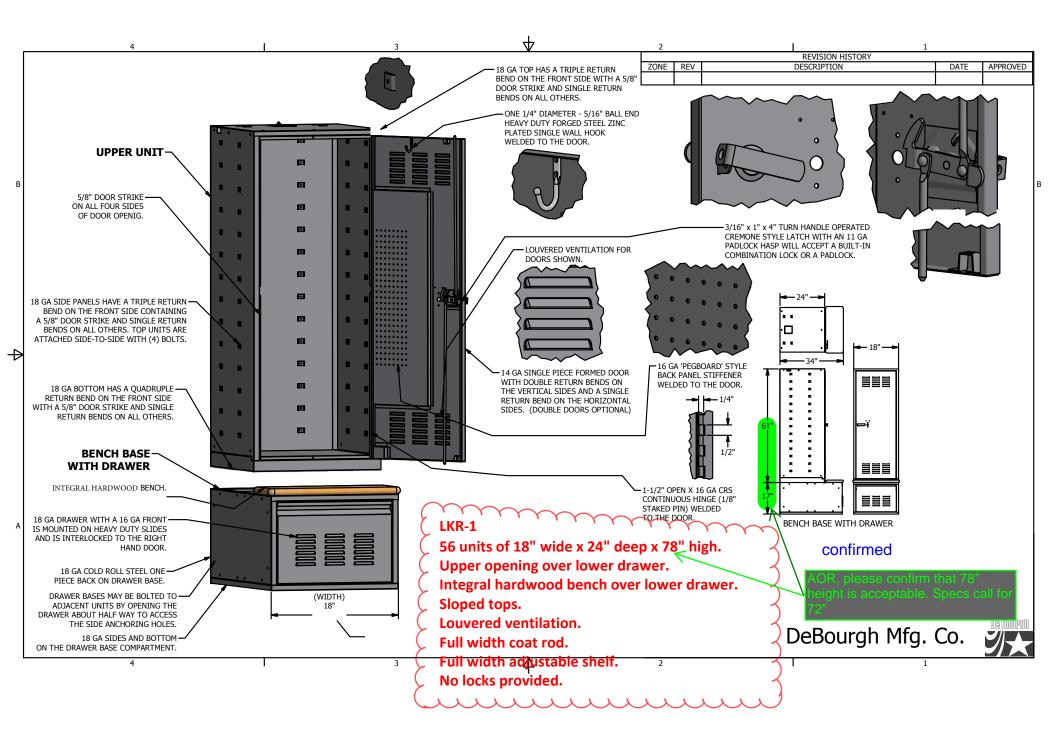
Installers may need to cut benches to length or to splice together in the field. Bench manufacturer recommends resealing all exposed raw wood surfaces with polyurethane to avoid expansion and swelling caused by water and humidity.

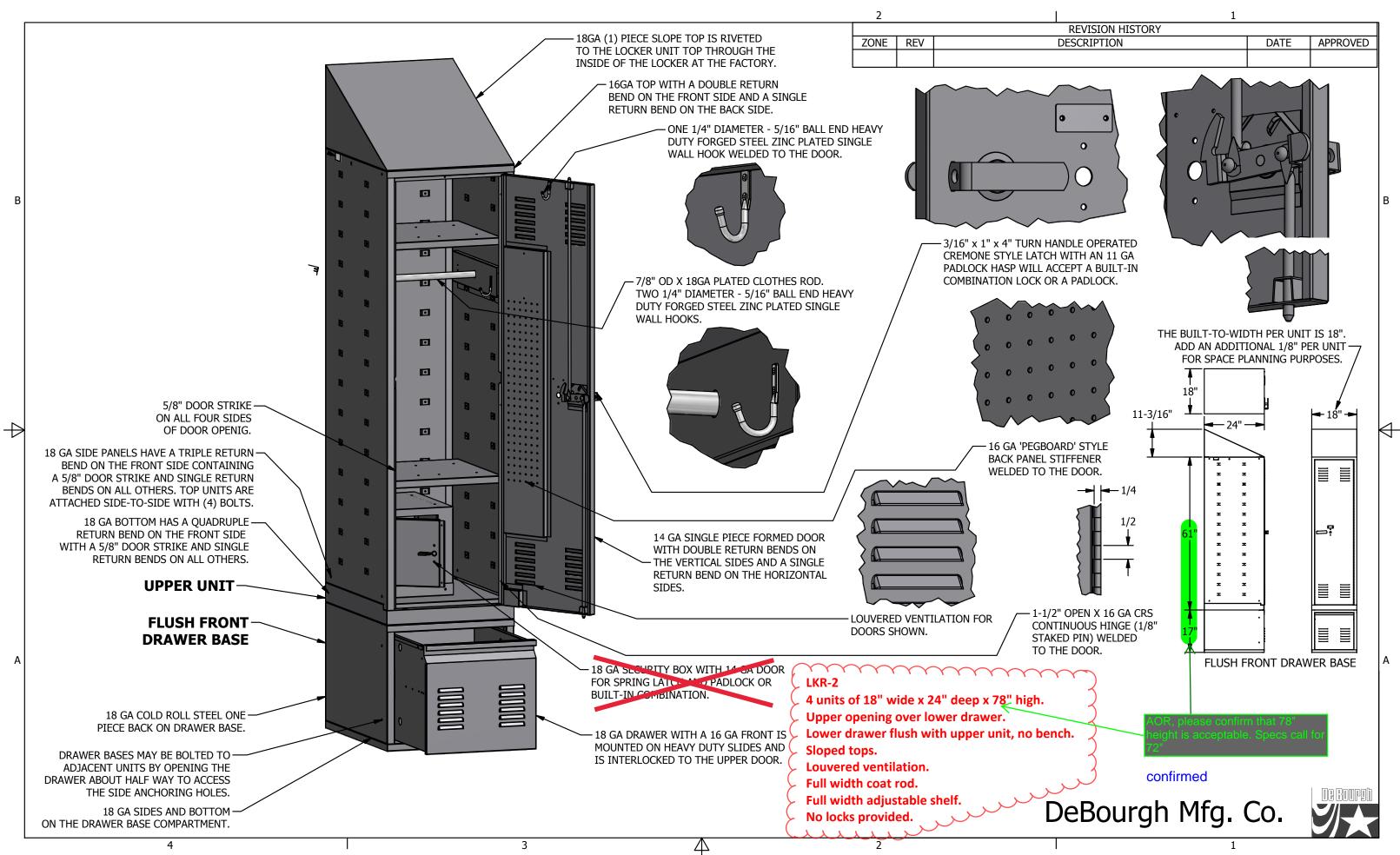
ALL AMERICAN LOCKER DIVISION De Bourgh manufacturing company 27505 Otero Ave. La Junta, Co. 81050	CUSTOMER: P.O. Number 2231 VIBETECH SPECIALTIES LLC PORTLAND OR PROJECT: SOUND TRANSIT - LINK OPERATIONS AND MAINTENAN BELLEVUE WA	Notes: 1. 2. CE_(HDP)(A)
(719) 384-8161 www.debourgh.com		Į <u>4.</u>





SHEET 9 OF 9







All American CORRIDOR LOCKER APEX ANGLE IRON

Unsurpassed quality — our angle iron corridor/personnel lockers are ideal for any setting and provide maximum security and privacy.

- :: All-welded construction using 1" x 1" x 1/8" continuous angle iron frames for maximum durability
- :: Sturdy angle iron or formed steel doors
- :: 3", five-knuckle hinge welded to door and frame
- :: Dependable latching systems
- :: Variety of ventilation styles
- :: Sturdy, all-welded base or sloped top (optional)



THE SENTRY III LATCH has no moving parts and is featured on a standard double-panel door creating a high-security and quiet-closing door. This latch mechanism will accept a built-in springbolt or a deadbolt lock.

146 openings of 1	15" wide x 16" deep x 36" hig
Double tier config	guration.
Sloped tops.	
Louvered door ve	entilation.
Solid sides.	
Sentry III - single	point latch
4" closed base	2
No locks provided	d.



SLOPED TOPS - Sloped Tops prevent accumulation of books, clothes and other materials on top of lockers. DeBourgh constructs the 18-gauge slope top as a separate unit from the locker. This allows the lockers to be moved into a recessed area at a later time if desired. The slope top is attached at the factory with tamper proof fasteners, which reduces installation time.



CLOSED BASE - When no built-in floor bases are available, the closed base provides unparalleled strength and off-the-floor protection. A rugged 14-gauge, 4" base is welded to the bottom of the locker at the factory.

COLOR SELECTIONS



DeBourgh's paint finishes are the highest quality in the industry. We apply 2 to 3 mil of cured thickness, more than any other manufacturer. That thicker finish equates to a more durable product for you! At DeBourgh, we deliver what we promise, products that are built to last!



DeBourgh is a certified HUBZone manufacturer!

DE BOURGH ALL-AMERICAN LOCKERS

RE: Q#30917 - Sound Transit - Link Operations and Maintenance: East

To whom it may concern:

DeBourgh Manufacturing Company has not had HPD and EPD fabricated and evaluated by the firms concerned with their certification. However, DeBourgh Manufacturing offers the below declarations regarding product and environmental impact for lockers built in our facility in La Junta, Colorado.

This declaration is an environmental product and health product declaration. These declarations rely on Life Cycle Assessment (LCA) and product contents to provide information on a number of environmental impacts of products over their life cycle.

Exclusions: This declaration does not indicate that any environmental or social performance benchmarks are met, and there may be impacts that they do not encompass. LCAs do not typically address the site specific environmental impacts of raw material extraction, nor are they meant to assess human health toxicity.

This declaration can complement but cannot replace tools and certifications that are designed to address these impacts and/or set performance thresholds – e.g. Type 1 certifications, health assessments and declarations, environmental impact assessments, etc.

Accuracy of Results: This declaration regularly relies on estimations of impacts, and the level of accuracy in estimation of effect differs for any particular product line and reported impact.

Comparability: This declaration is not comparative assertions and are either not comparable or have limited comparability when they cover different life cycle stages, are based on different product category rules or are missing relevant environmental impacts. EPDs from different programs may not be comparable.

Declaration Operator: DeBourgh Manufacturing Company

Declared Product: DeBourgh Sentry Series Angle Iron Lockers (currently named APEX series) and DeBourgh First Responder Series Personnel Formed Sheet Metal Lockers



DE BOURGH ALL-AMERICAN LOCKERS

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Contents of Declaration:

- Product definition and information about build processes.
- Information about the basic material and the material's origin
- Description of the product's manufacture.
- Indication of product processing.
- Life cycle assessment results.
- Health, Safety, and Environmental Considerations of Manufacturing Facility

Product Information:

DeBourgh Sentry Series Angle Iron lockers (currently named <u>APEX series</u>) are primarily fabricated of two types of steel components: 1x1x1/8th-inch pickled angle iron steel and sheet steel. DeBourgh Sentry Series Angle Iron lockers are manufactured by DeBourgh Manufacturing Company in La Junta, Colorado 81050.

Angle Iron Steel: **DeBourgh utilizes** constructiongrade angle iron steel as the framing material for any desired steel insert. This impact-resistant frame can take heavy abuse and direct substantial impact with virtually no structural compromise. This steel is sourced from 80.8% postconsumer recycled material and 9.7% preconsumer

_							
Components		CAS No.	% Weight	Exposure Limits			imits
-					ACGIH TLV (mg/m ³)		OSHA PEL (mg/m ³)
Base Metal: Iron	(Fe)	7439-89-6	Balance	5	Oxide Dust/Fume	10	Oxide Dust/Fume
Alloying Elements							
Aluminum	(AI)	7429-90-5	<0.05	10 5	Dust Fume	15 5	Dust Respirable fraction
Antimony	(Sb)	7440-36-0	<0.9	0.5	As Antimony	0.5	As Antimony
Arsenic	(As)	7440-38-2	<0.09	0.01	As Arsenic (A1 Carcinogen)	0.01	As Arsenic
Beryllium	(Be)	7440-41-7	<0.09	0.00 2 0.01	As Beryllium (A1 Carcinogen) As Beryllium (STEL)	0.002 0.005	As Beryllium As Beryllium (Ceiling)
Boron	(B)	7440-42-8	<0.9	10	Oxide Dust	15	Oxide Dust
Cadmium	(Cd)	7440-43-9	<0.01	0.01 0.00 2	As Cadmium (A2 Carcinogen) Respirable fraction	0.005 0.0025	As Cadmium As Cadmium (Action Level)
Calcium	(Ca)	1305-78-8	<0.9	2	Oxide Dust	5	Oxide Dust
Carbon	(C)	7440-44-0	<1.2		Not Established		Not Established
Chromium	(Cr)	7440-47-3	0.01-1.2	0.5	Metal	1	Metal
Cobalt	(Co)	7440-48-4	<0.09	0.02	As Cobalt (A3 Carcinogen)	0.1	Metal/Dust/Fume
Copper	(Cu)	7440-50-8	<0.9	1 0.2	Dust Fume	1 0.1	Dust Fume
Lead	(Pb)	7439-92-1	<0.07	0.05	Dust / Fume (A3 Carcinogen)	0.05	Dust / Fume
Magnesium	(Mg)	7439-95-4	<0.9		Not Established		Not Established
Manganese	(Mn)	7439-96-5	0.2-2	0.2	Elemental Mn and Inorg Compounds	5	Fume (Ceiling)
Molybdenum	(Mo)	7439-98-7	<0.9	10	Insoluble Compounds	15	Insoluble Compounds
Niobium	(Nb)	7440-03-1	<0.9		Not Established		
Nickel	(Ni)	7440-02-0	<1.0	1.5	Metal	1	Metal and Insoluble Compounds
Nitrogen	(N)	7727-37-9	<0.9		Simple Asphyxiant		Simple Asphyxiant
Phosphorus	(P)	7723-14-0	<0.9	0.1	Phosphorus	0.1	Phosphorus
Selenium	(Se)	7782-49-2	<0.9	0.2	Selenium	0.2	Selenium



DE BOURGH All-American Lockers

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recycled material. Angle Iron steel is sourced from Nucor in Hickman, Arkansas, 698 miles from La Junta, Colorado.

1		100		100
	Zinc	(Zn)	7440-66-6	
	Vanadium	(V)	7440-62-2	
	Tungsten	(W)	7440-33-7	
	Titanium	(Ti)	7440-32-6	
	Tin	(Sn)	7440-31-5	
	Sulfur	(S)	7446-09- 05	
	Silicon	(Si)	7440-21-3	

<0.9

< 0.9

<0.9

<0.9

< 0.9

< 0.9

0.0-0.10

10	Dust	15	Dust
5.2 13	Sulfur Dioxide Sulfur Dioxide (STEL)	13	Sulfur Dioxide
2	Metal,Oxide and Inorganic Compounds	2	Inorganic Compounds
	Not Established		Not Established
5 10	Insoluble Compounds as W Insoluble Compounds as W (STEL)		Not Established
0.05	Oxide Dust/Fume	0.5 0.1	Oxide Dust (Ceiling) Oxide Fume (Ceiling)
10 5 10	Oxide Dust OxideFume Oxide Fume (STEL)	5 10	Oxide Fume Oxide Dust

Cold-rolled steel sheet: DeBourgh utilizes cold-rolled steel sheet to form steel inserts for sides and intermediate partitions, in addition to tops, bottoms, and shelves. Steel sheet and coil is

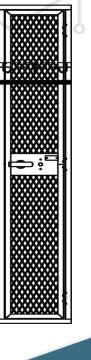
Components	Typical Weight	CAS Number
Base metal & Residuals	Percentage	
Iron	>97	7439-89-6
Manganese	0.10-1.65	7439-96-5
Silicon	0.04 max	7440-21-3
Carbon	0.30 max	7440-44-0
Copper	0.35max	7440-50-8
Nickel	0.10 max	7440-02-0
Chromium Alloy	0.10 max	7440-47-3
Aluminum	0.08 max	7429-90-5
Molybdenum	0.05 max	7439-98-7
Columbium	0.060 max	7440-03-1
Sulfur	0.025 max	7704-34-9
Phosphorus	0.025 max	7723-14-0
Nitrogen	0.012 max	7727-37-9
Vanadium	0.04 max	7440-62-2
Titanium	0.080 max	7440-32-6

sourced from <u>MetalWest</u> in Brighton, CO which is 191 miles from La Junta, Colorado. They source steel slab from <u>California Steel</u> <u>Industries, Inc.</u> in Fontana, California, 1,074 miles from La Junta, Colorado. Steel sheet and coil consists of 25% post-consumer recycled content and 2% pre-consumer recycled content.

Application:

Interior storage system. DeBourgh products must be installed in accordance with approved installation guidelines and by a certified DeBourgh authorized dealer.

DeBourgh All-American Lockers 27505 Otero Avenue . La Junta, CO 81050 info@debourgh.com . www.debourgh.com

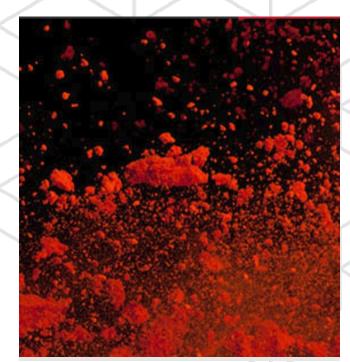




Contract # 040215-DBM

DE BOURGH ALL-AMERICAN LOCKERS

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Other Materials:

DeBourgh utilizes triglycidyl isocyanate (TGIC) polyester powder coat paint to a minimum of two millimeter of dry thickness throughout the build of each unit. This powder is electrostatically applied and cured in an oven. The overspray of powder is recycled allowing it to be reclaimed and reused decreasing the disposal of powder which is a nonhazardous material. TGIC catalyst is used to enhance the coverage on corner and rough edges, when cured it doesn't not pose emission to the environment and is encapsulated in the cured film.

Paint is sourced from Cardinal Industrial Finishes,.

COMPOSITION/INFORMATION ON INGREDIENTS

In general, 1,3,5-Triglycidyl Isocyanurate (CAS Number – 2451-62-9) makes up 1-5% of the weight of any sample of our powder paint, with 50-99% consisting of the chosen pigments seen in the final color. Other chemical compounds such as Titanium Dioxide (CAS Number – 13463-67-7 and up to 30% of the total weight) and Silicon Dioxide (CAS Number 7631-86-9 and up to 5% of the total weight) may be present.



DE BOURGH ALL-AMERICAN LOCKERS

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Manufacture:

Materials are received.

Steel angle is processed into frames from single pieces.



Slit steel mesh can be used for maximum ventilation and visibility due to the rigid structure of the angle steel.

Other inserts could be solid steel sheet, steel sheet with diamond perforations, louvers, or threedimensional punches.

Forming steel sheet into tops, bottoms, shelves, and



sides make the rest of the body of the locker units. DeBourgh manufactures lockers in groupings, or units, with a single top, bottom, and back running the span of the entire unit, dramatically improving the rigidity of the locker structure, thereby helping maintain square openings, which allow for smooth and long-lasting locker operation.





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The locker is completely welded together with MIG welds every six-inches on center. After cleaning and deburring, the locker is washed of its pickling oil and goes through a phosphatizing rinse. It is then ready to paint.

The locker units are painted using TGIC polyester powder coat to a minimum cured thickness of 2-3 millimieters. Oversprayed paint is reclaimed and reused.

Lockers go through their finishing processes, such as adding the doors (painted separately), steel cups, hooks, and clothes rods.

It arrives ready to install to minimize installation time, material waste, and installation defects.

Once properly installed, the locker units pose no risk to users regularly using the lockers without intent to vandalize or destroy the locker. Paint is cured in the factory, and therefore is not an environmental risk to users of the facility in which they are installed.

Lifecycle Cost Assessment:

DeBourgh offers a limited lifetime warranty on all manufactured products, excluding vandalism and paint finish. DeBourgh has locker systems that have been in place for more than 50 years, and some that have moved locations several times, but are still in use.

Because of the long lifecycle of the products manufactured, DeBourgh does not have a complete data set on how often these materials are recycled back into steel slab. As assumption can be made that when and if lockers are replaced, that the lockers would be properly recycled as steel is the most recycled material in the world.

Health, Safety, and Environmental Considerations of Manufacturing Facility:

<u>DeBourgh</u> utilizes linear fluorescent lighting, which uses less than half the electricity as metal halide lights and provides a safer work environment. DeBourgh has installed radiant heat throughout our 110,000 square-foot manufacturing facility to



DE BOURGH ALL-AMERICAN LOCKERS

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reduce gas usage and provide more effective heating, and we use a ceramic filtration process to clean all water that is discharged from our building.

DeBourgh purchased an upgraded paint system that can reclaim even more powder colors, reclaiming nearly 98% of all paint sprayed but not applied to a locker unit. This type of paint requires no harsh solvents and does not end in the need for waste water treatment.

To address conservation, DeBourgh planted more than 1,000 trees on 15 acres of land to provide oxygen release and sequester carbon. In fact, the National Forest Service designated this area to "Tree Farm."

Should additional information or clarification be needed, please feel free to contact me.

Thank you,

achary Isaacs Director of Marketing





LEED Material Declaration Form

Sound Transit Operations and Maintenance Facility: East (OMFE)

Material Information	
Material Description	
CSI Division	
Is the material structure or enclosure?	□Yes □No
Material Name	
Manufacturer Name	
Manufacturer Contact (Name, Phone/Email)	
Material Cost (\$)*	

*Material Cost includes all taxes and expenses to deliver the material to the project site and excludes any cost for labor and equipment required for installation after the material is delivered to the site.

Attach supporting documentation for all declarations made below

Environmental Product Declarations (EPD)			
Does the material have an EPD? (if no, skip this section)	□Yes □No		
EPD Program Operator			
EPD Type	□ Product-specific □ Industry-wide (generic) □ Product-specific Type III		
EPD attached	□ Yes		

Sourcing of	Raw Materials	
Does the material have a Corporate Sustainability Report or meet at least one of the responsible extraction criteria below? (if no, skip this section)		□Yes □No
Corporate Sustainability Report Type		Manufacturer declared Third-party verified
Extended Producer	Extended Producer Responsibility Closed Loop or Take Back Program Name	
Responsibility	Percent Extended Producer Responsibility (%)	
Bio-based Materials	Percent Meeting Sustainable Agriculture Network Standard (%)	
	Percent FSC Certified (%)	
Wood Products	Vendor FSC Chain of Custody Certificate Number	
Materials Reuse	Percent Salvaged or Reused (%)	
Recycled Content	Percent Post-Consumer (%)	
Recycled Content	Percent Pre-Consumer (%)	
Regional Information for Entire Product	Extraction Location (City, Province/State)	
	Manufacture Location (City, Province/State)	
	Purchase Location (City, Province/State)	
Supporting documentation attached		□Yes



Material Ingredients	
Does the material have a chemical inventory? (if no, skip this section)	□ Yes □ No
Type of Material Ingredient Reporting	Manufacturer Inventory - GreenScreen (GS) Manufacturer Inventory - Globally Harmonized System (GHS) Health Product Declaration Cradle to Cradle Declare ANSI/BIFMA e3 Furniture Sustainability Standard Cradle to Cradle Material Health Certificate Product Lens Certification Facts - NSF/ANSI 336
Supporting documentation attached	□ Yes

Interior Paints and Coatings Applied On Site				
Is the material an interior paint or coating applied on site? (if no, skip this section)		□Yes □No		
All fields must be com	pleted for this category			
Meets California Department of Public Health (CDPH) Standard Method v1.1–2010?		□Yes □No		
CDPH Exposure Scena	rio			
Range of total VOCs after 14 days (336 hours)		□ 0.5 mg/m3 or less □ between 0.5 and 5.0 mg/m3 □ 5.0 mg/m3 or more		
Applicable Regulation, Product Type, and Allowable VOC	Regulation	SCAQMD Rule 1113 CARB 2007 Canadian VOC Concentration Limits for Architectural Coatings		
Content from attached	Product Type			
page	Allowable VOC Content (g/L)			
Actual VOC Content (g/L)				
Total Volume Purchased (L)				
Contains lead?		□Yes □No		
Contains intentionally added cadmium?		□ Yes □ No		
Supporting documentation	on attached	□ Yes		

Exterior Paint		
Is the material an exterior paint? (if no, skip this section)	□ Yes □ No	
Contains lead?	□Yes □No	
Contains intentionally added cadmium?	□Yes □No	
Supporting documentation attached	□Yes	

Interior Adhesives and Sealants Applied On Site (Including Flooring Adhesive)				
Is the material an interior adhesive (including flooring adhesives) or sealant applied on site? (if no, skip this section)		□Yes □No		
All fields must be com	pleted for this category			
Meets California Department of Public Health (CDPH) Standard Method v1.1–2010?		□Yes □No		
CDPH Exposure Scenario				
Range of total VOCs after 14 days (336 hours)		□ 0.5 mg/m3 or less □ between 0.5 and 5.0 mg/m3 □ 5.0 mg/m3 or more		
Applicable Regulation, Product Type, and	Regulation	SCAQMD Rule 1168 Canadian VOC Concentration Limits for Architectural Coatings		
Allowable VOC Content from attached	Product Type			
page	Allowable VOC Content (g/L)			
Actual VOC Content (g/L)				
Total Volume Purchased (L)				
Supporting documentation attached		□ Yes		



Flooring	
Is the material flooring? (if no, skip this section)	□ Yes □ No
Is the material inherently nonemitting**?	□Yes □No
Meets California Department of Public Health (CDPH) Standard Method v1.1–2010?	□Yes □No
CDPH Exposure Scenario	
Range of total VOCs after 14 days (336 hours)	□ 0.5 mg/m3 or less □ between 0.5 and 5.0 mg/m3 □ 5.0 mg/m3 or more
Supporting documentation attached	□Yes

**Products that are inherently nonemitting sources of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood flooring) are considered fully compliant without any VOC emissions testing if they do not include integral organic-based surface coatings, binders, or sealants.

Composite Wood		
Is the material composite wood? (if no, skip this section)	□ Yes □ No	
Requirement met	□ California Air Resources Board ATCM for formaldehyde requirements for ultra-low- emitting formaldehyde (ULEF) resins □ No added formaldehyde resins	
Supporting documentation attached	□Yes	

Ceilings, Walls, Thermal, and Acoustic Insulation		
Is the material a ceiling, wall, thermal, or acoustic insulation? (if no, skip this section)	□Yes □No	
Meets California Department of Public Health (CDPH) Standard Method v1.1–2010?	□Yes □No	
CDPH Exposure Scenario		
Range of total VOCs after 14 days (336 hours)	□ 0.5 mg/m3 or less □ between 0.5 and 5.0 mg/m3 □ 5.0 mg/m3 or more	
Supporting documentation attached	□ Yes	

Furniture		
Is the material furniture? (if no, skip this section)	□Yes □No	
Requirement met	□ ANSI/BIFMA e3-2011 Furniture Sustainability Standard, Sections 7.6.1 □ ANSI/BIFMA e3-2011 Furniture Sustainability Standard, Sections 7.6.2	
Supporting documentation attached	□Yes	

	Plumbing For Water Intended for Human Consumption			
	Is the material solder or flux to connect plumbing pipe, or pipe, pipe fitting, plumbing fitting, or faucet for water intended for human consumption? (if no, skip this section)		□Yes □No	
	Requirement met Solder and flux to connect plumbing pipe Pipe fittings, plumbing fittings, and faucets	□ California AB1953 standard (which specifies that solder not contain more than 0.2% lead, and flux not more than a weighted average of 0.25% lead for wetted surfaces. The "lead free" label as defined by the Safe Drinking Water Act (SDWA) does not provide adequate screening for the purposes of this credit because the SDWA defines "lead free" as solders and flux containing 0.2% lead or less.)		
			□ California law AB1953 (weighted average lead content of the wetted surface area of not more than 0.25% lead)	
Supporting documentation attached		ion attached	□ Yes	

Roofing and Flashing	
Is the material roofing or flashing? (if no, skip this section)	□Yes □No
Requirement met	Lead-free
Supporting documentation attached	□Yes

Electrical Wire and Cable	
Is the material electrical wire or cable? (if no, skip this section)	□Yes □No
Requirement met	Lead content less than 300 parts per million
Supporting documentation attached	□Yes



All American Lockers Lifetime Warranty Certificate

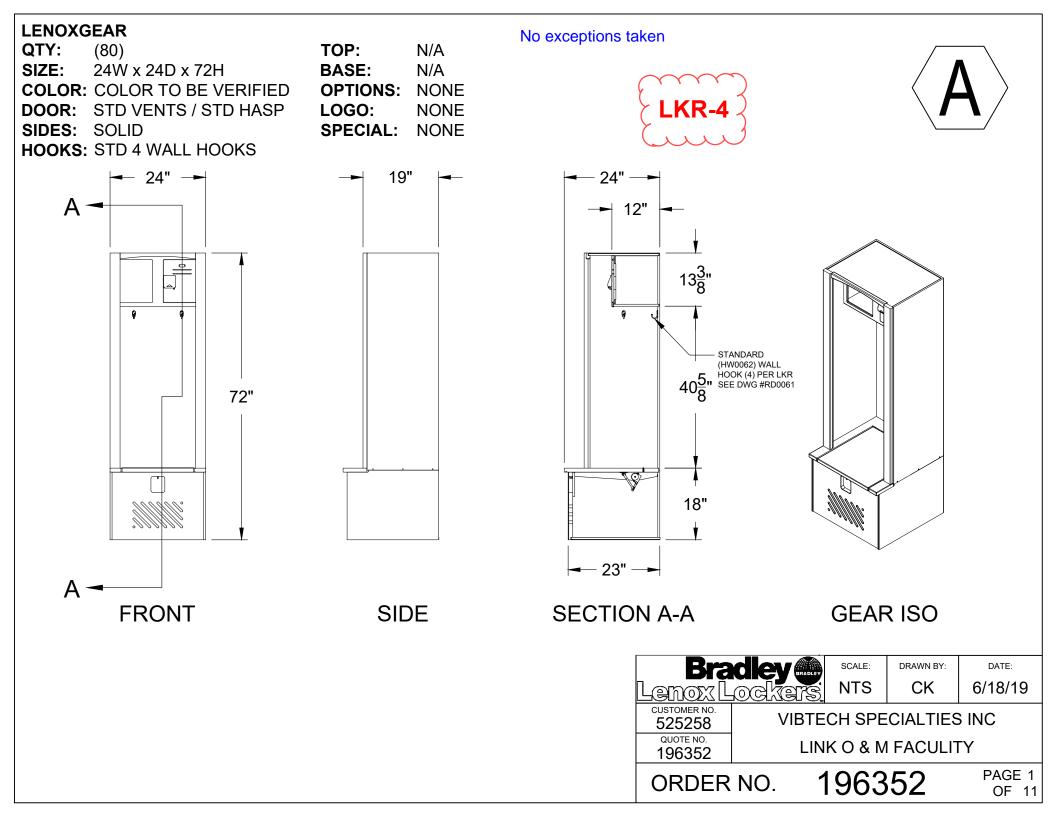
Standard "All American Lockers," built to DeBourgh Specifications, carry a Lifetime Limited Warranty beginning on the substantial completion date against defects in materials and workmanship. Any defects becoming apparent within the lifetime of the original owner and at the original place of installation will be corrected to the customer's satisfaction without charge.

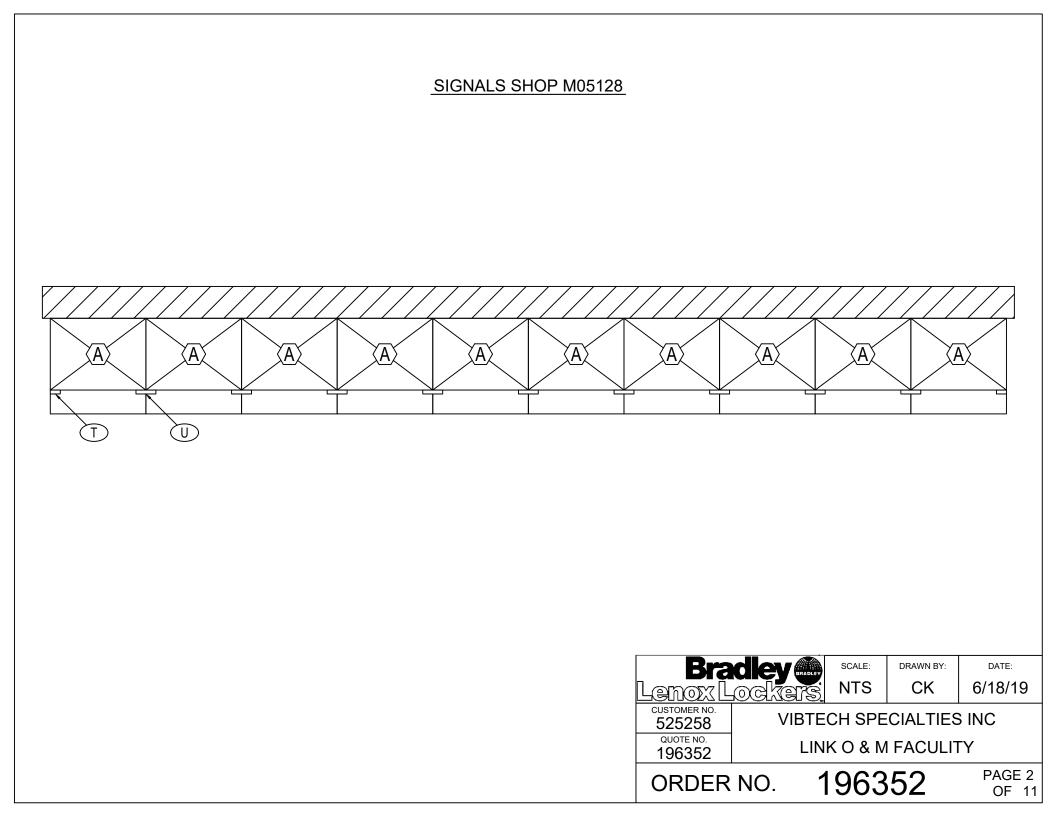
This warranty does not cover scratching or marring of finishes occurring under normal usage, imperfect color matches on reorders (due to possible pigment variations over the years) or fastness of special colors which may require special pigments. It does not include any lock or application thereof, or any other device not manufactured by DeBourgh Manufacturing Co. Corrosion, finish discoloration or disfiguration caused by liquids, chemicals, chlorine or improper room ventilation is not covered under this warranty.

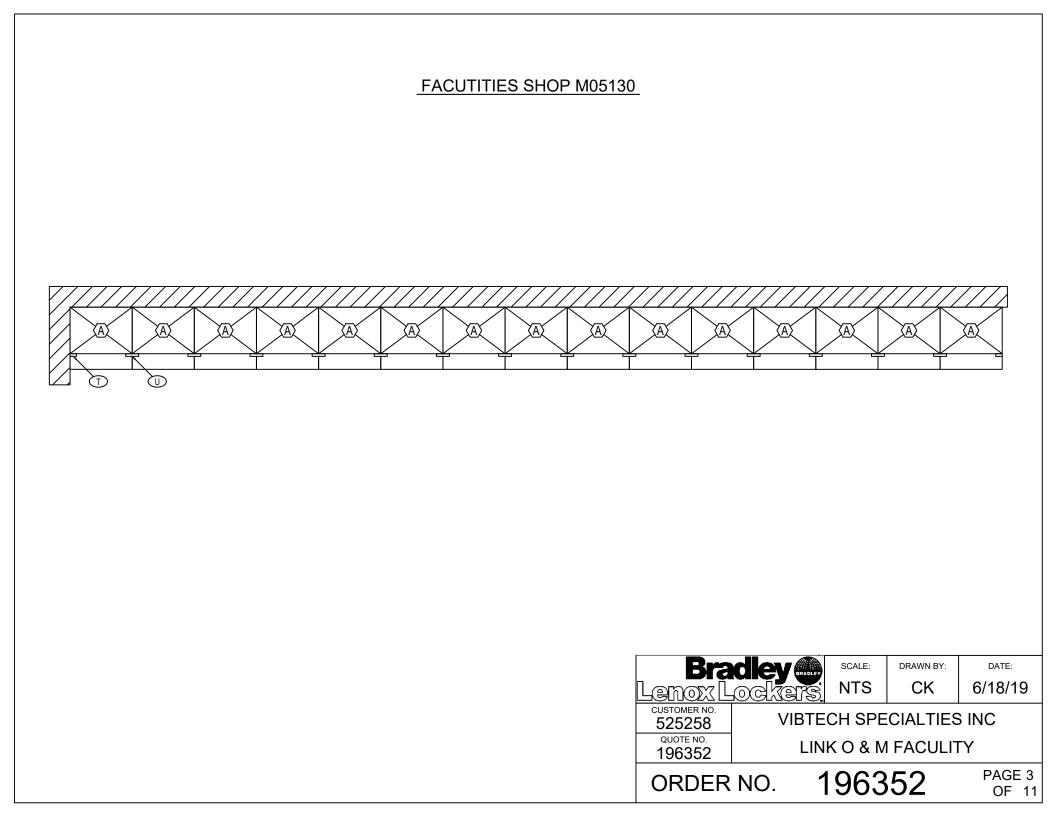
Deliberate destruction, vandalism, damage through shipping or damage resulting from faulty installation is not covered by this warranty.

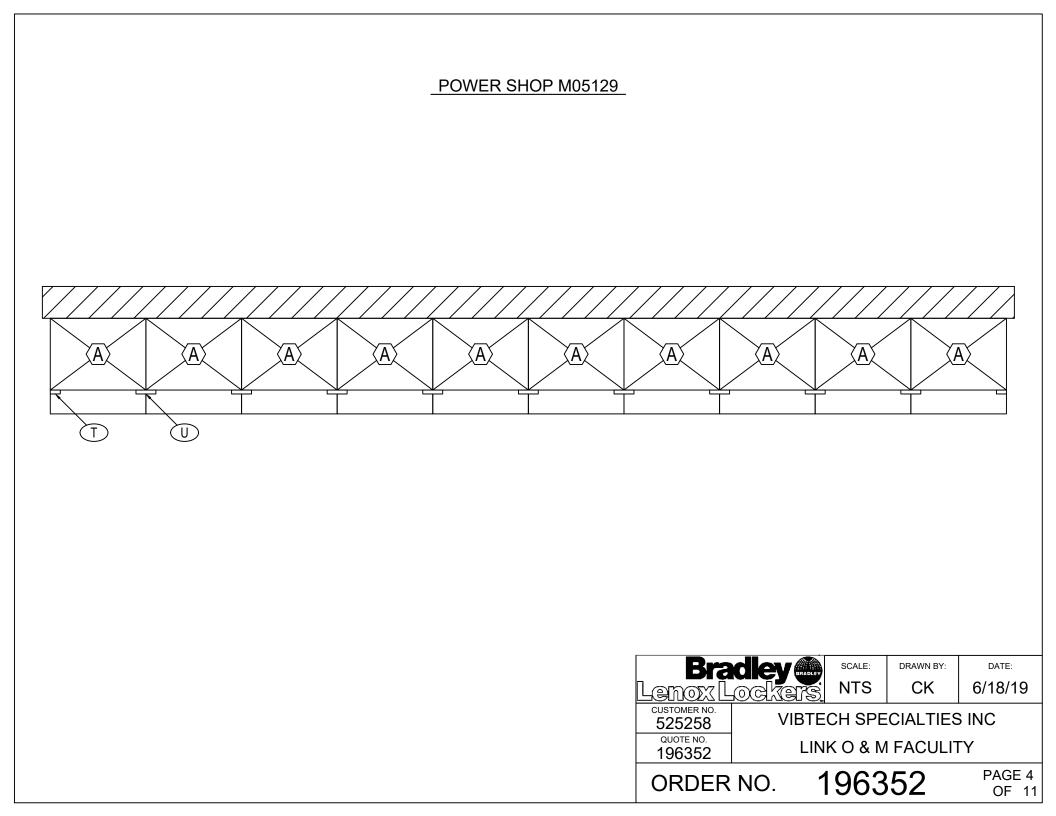
Any repairs, adjustments, or replacements to be made under this warranty shall be performed only upon written authorization by DeBourgh Mfg. Co. This warranty is not transferable.

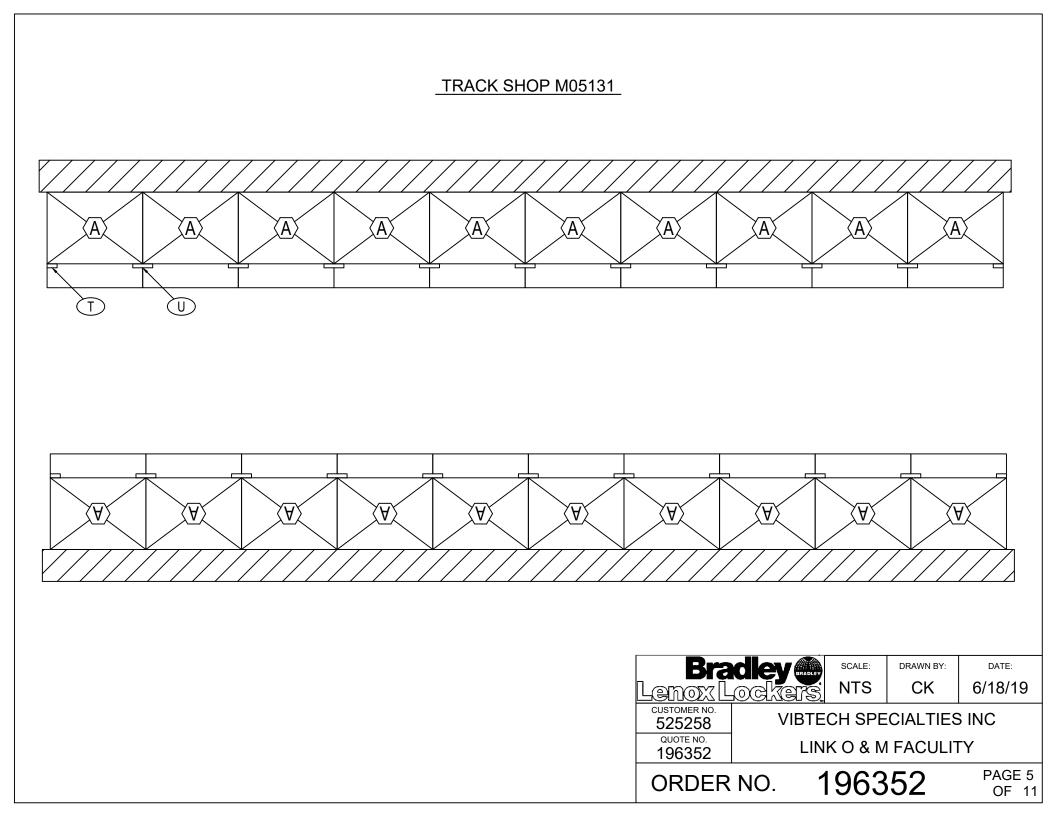
Name of Institution:		SO#:
Address:		
City:	State:	ZIP:
Substantial Completion Date:		<i>Certificate #</i>
Signed:	<u> </u>	Date:
AWARDED CONTRACT		BZone Company • 27505 Otero Avenue • La Junta, CO 81050-0981 29 • 719.384.8161 • Fax 719.384.7713 www.DeBourgh.com

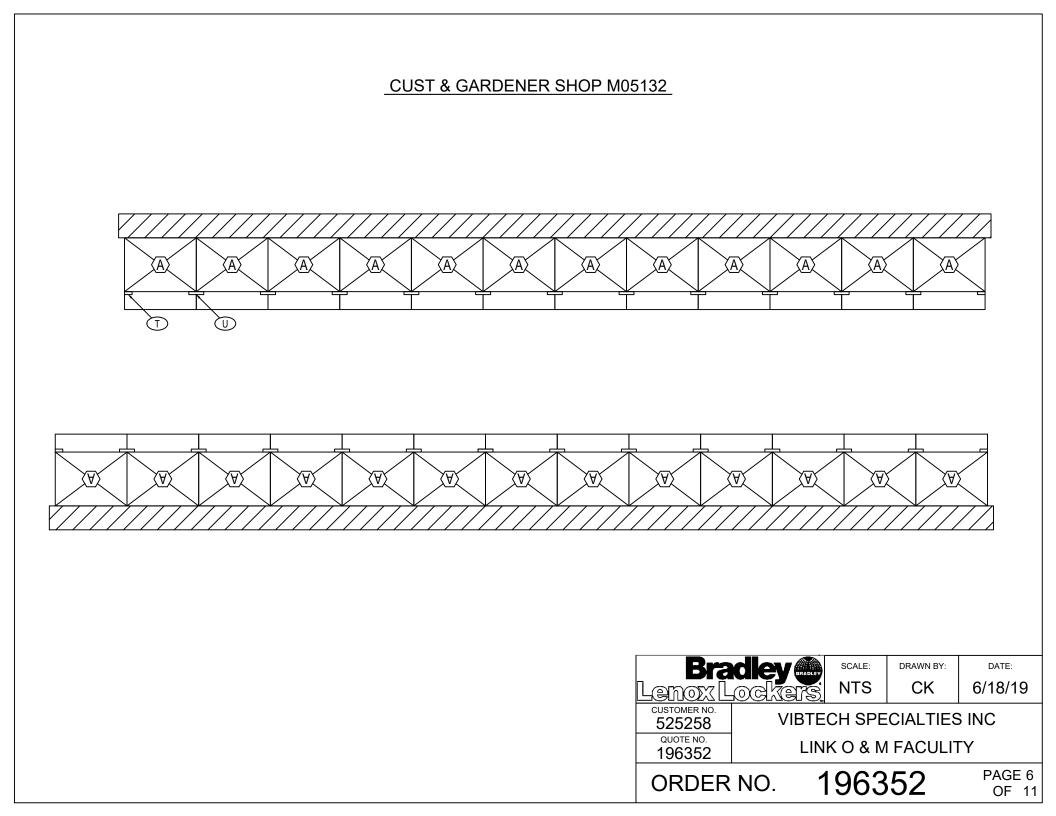




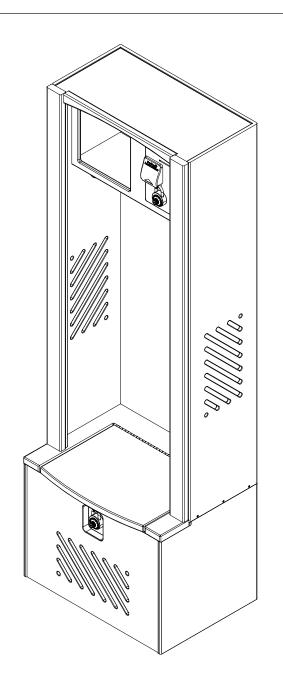








			NO	ſES							
T P ". S 2. T IN	 LENOX LOCKERS AND PLASTIC COMPONENTS ARE NOT DESIGNED FOR OUTSIDE APPLICATIONS DUE TO THERMAL EXPANSION/CONTRACTION OF THE PLASTIC. ALSO, THE PLASTIC MATERIAL DOES NOT HAVE PROTECTION FROM UV RAYS; DISCOLORING AND FADING MAY OCCUR. AS NOTED IN OUR TECH-DATA, "LOCKERS TO BE INSTALLED IN A CLIMATE-CONTROLLED ENVIRONMENT, AWAY FROM DIRECT SUNLIGHT." THE TOP EDGE OF AN END PANEL IS NOT COVERED BY FLAT OR SLOPE TOP PER BRADLEY'S STANDARD INSTALLATION. ADDITIONAL MATERIAL AND NOTIFICATION WILL BE REQUIRED IF TOPS ARE REQUIRED TO COVER AN END PANEL. (END PANELS ARE OPTIONAL AND ONLY INCLUDED WHEN REQUESTED) 					T HAVE -DATA, CT ANDARD DUIRED TO	Rm		SCALE:	DRAWN BY:	DATE:
	BILL OF MATERIAL							ockers	NTS	СК	6/18/19
QTY (80)					SYMBOL	CUSTOMER NO. 525258 QUOTE NO.	VIBTE	CH SPE			
(14)						196352	LIN	KU&N	I FACULI		
(73)	LENOXGEARTRIM -	5Wx54Hx1T 1-5/8Wx5/8H	DOUBLE (1-80)	NUMBER PLATES	CUSTOMER TO VERIFY BLACK PLASTIC	(U) (• 000 •)	ORDER	NO.	1963	52	PAGE 7 OF 11



Installation

Lenox Lockers® Gear Locker

U.S. Patent Nos. 6,685,285 - 6,792,661 - 6,793,299 - 7,029,078 - 7,223,317 - 7,278,695 - 7,510,249 - 7,699,412 - 7,789,471 - 8,113,602

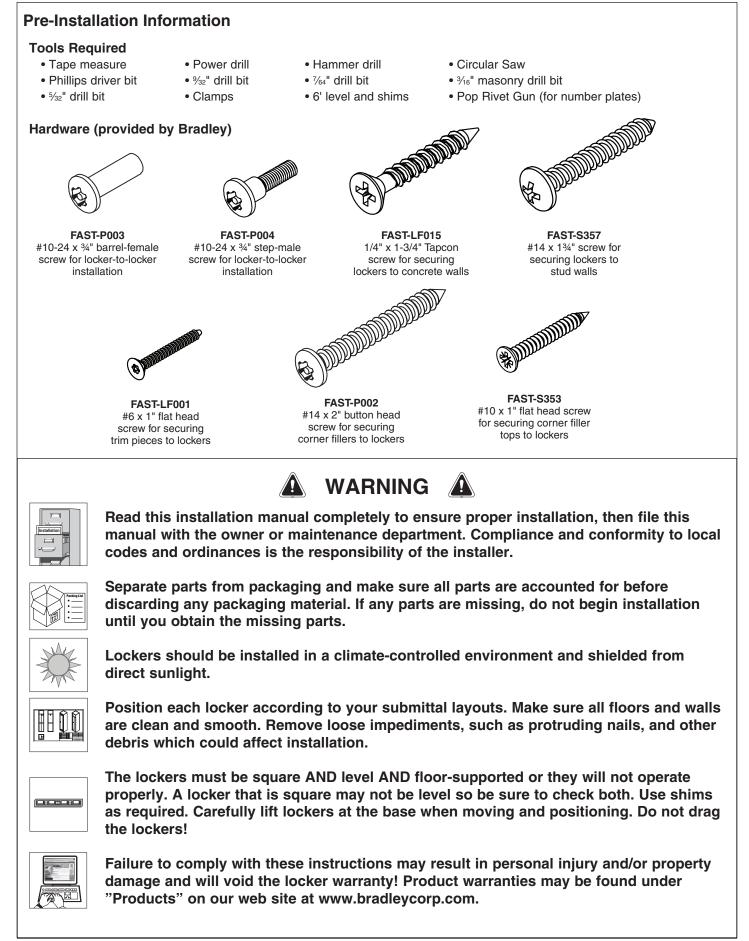
Table of Contents

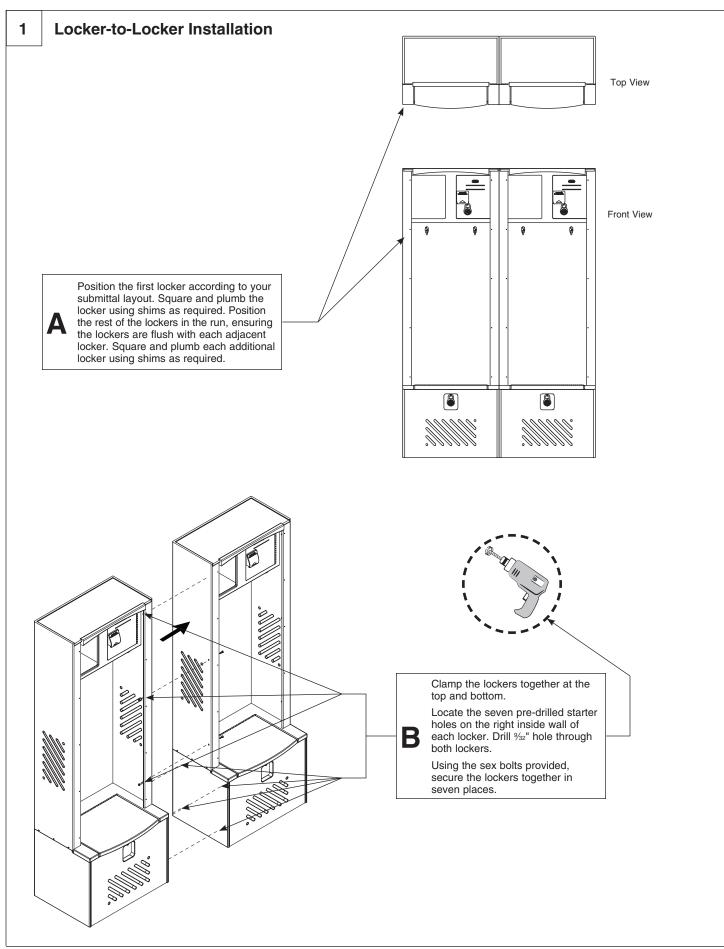
Pre-Installation Information
Hardware List
Locker-to-Locker Installation
Secure Lockers to Wall 4
End Filler Installation
Corner Filler Installation
Back-to-Back Locker Installation
Secure Trim Pieces to Locker
Install Number Plate

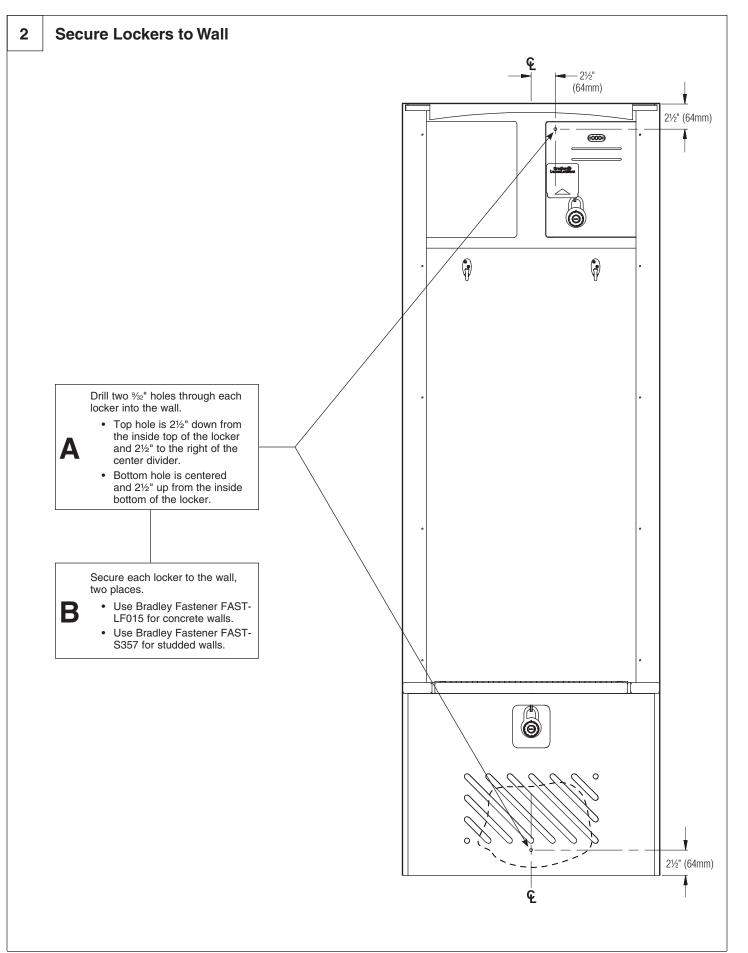


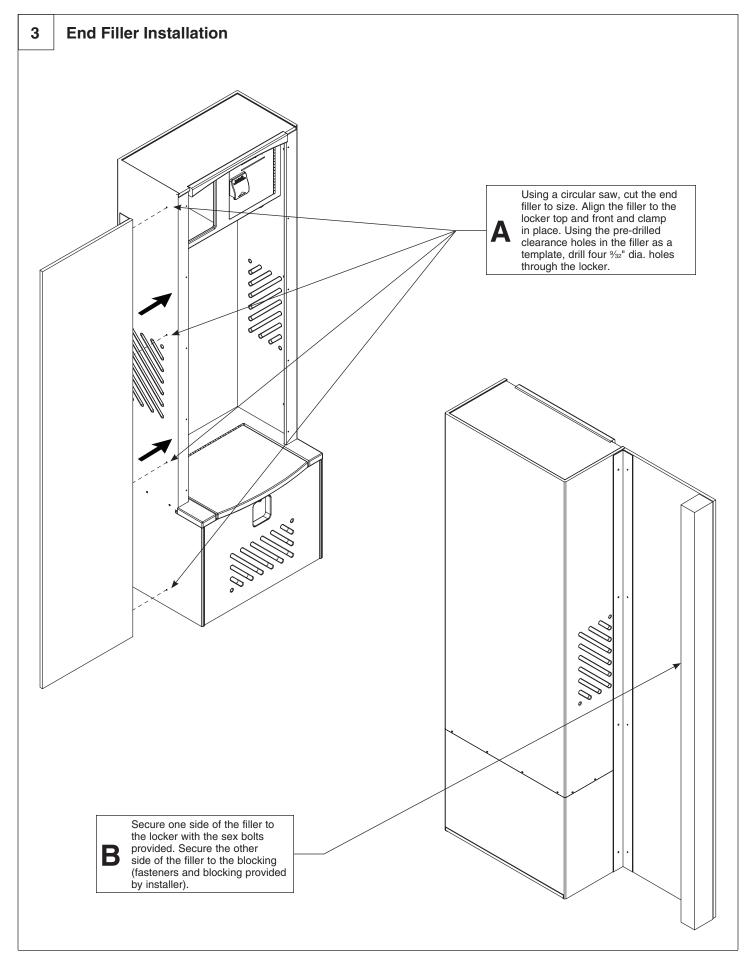
P.O. Box 309, Menomonee Falls, WI 53052-0309 Phone: 800.BRADLEY (800.272.3539) Fax: 262.251.5817 bradleycorp.com

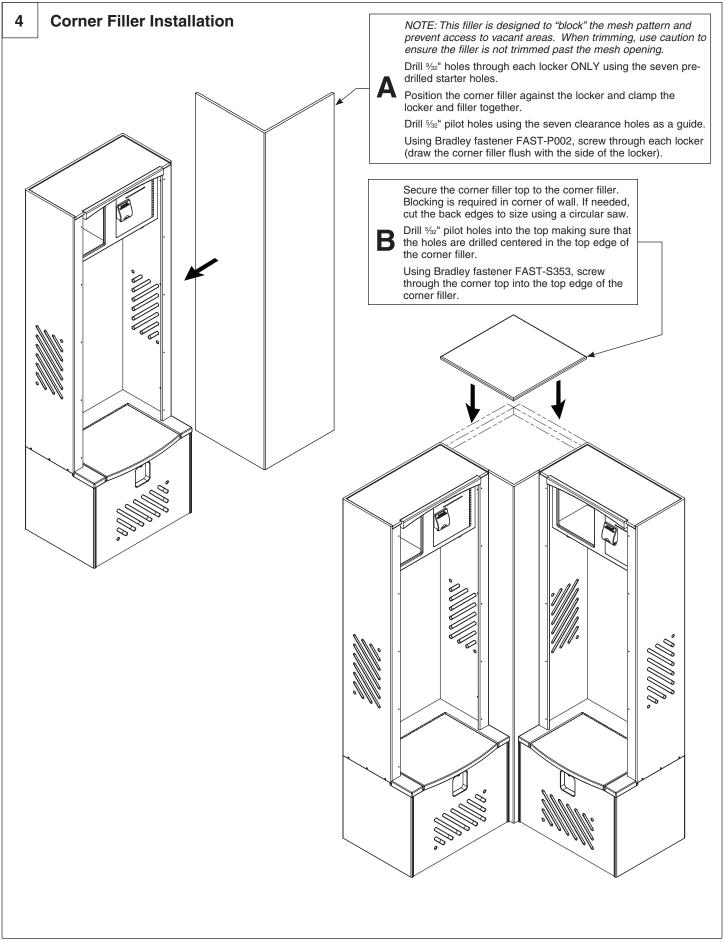
LK-INSTR-009 Rev. B; ECM 12-13-001 © 2012 Bradley Page 1 of 8 4/4/2012



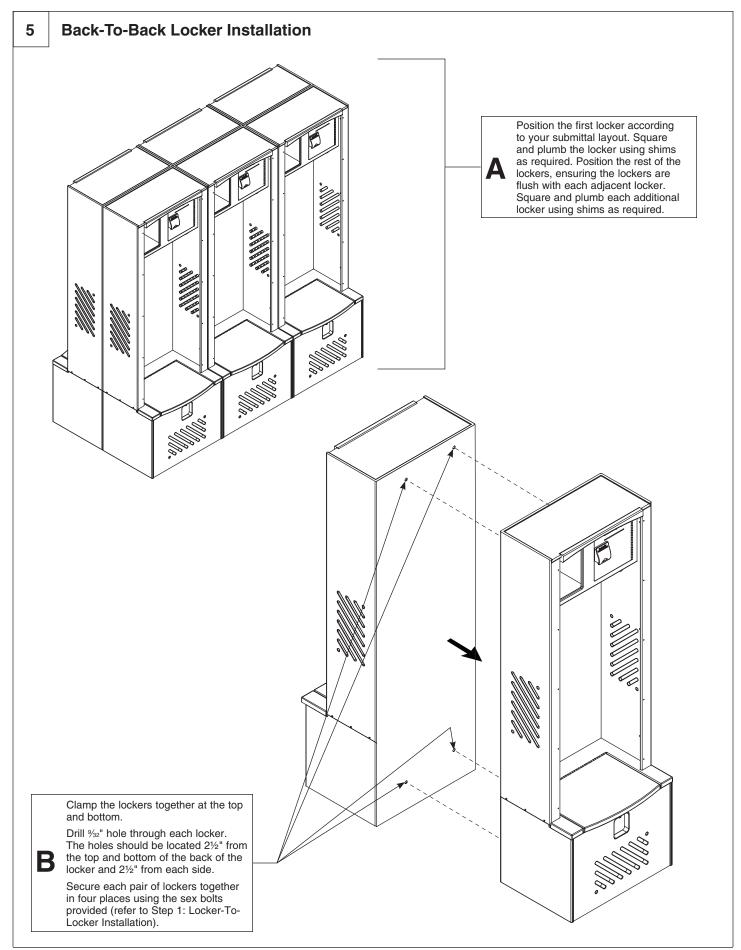




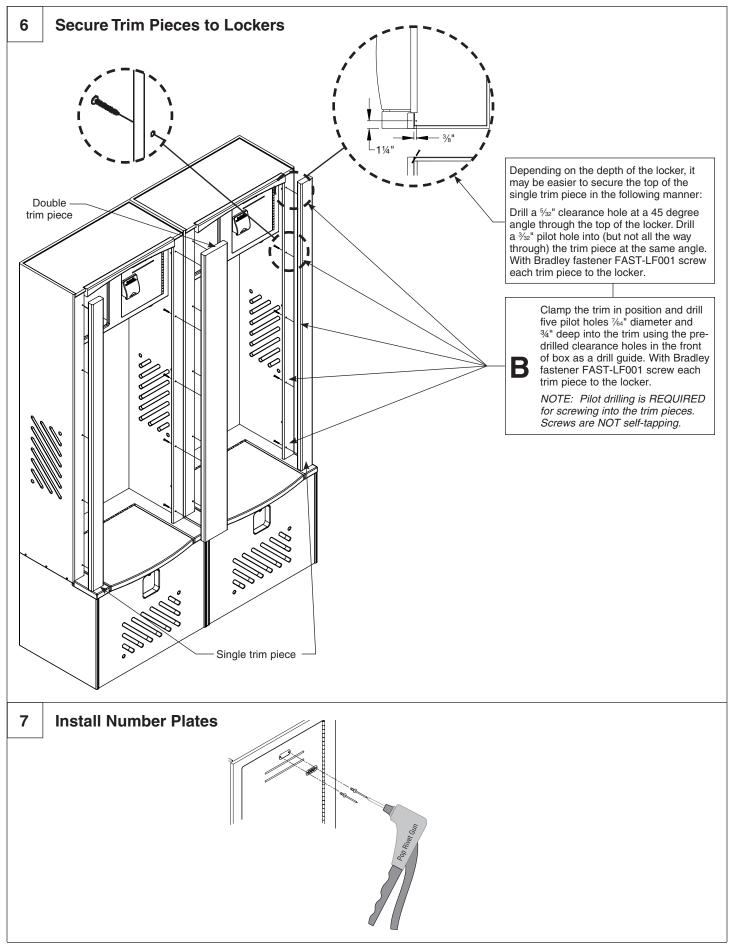




11/20/09



Bradley Corporation • LK-INSTR-009 Rev B; ECM 12-13-001





LENOXGEAR Lenox[®] Gear Locker – Solid Plastic

- · Tough, attractive, solid plastic never needs painting; resists dents and scratches
- Impervious to moisture lockers will not rust or delaminate
- Durable, vandal-resistant, all-welded construction
- Wide range of sizes, colors and options
- 20-year warranty against rust, delamination or breakage under normal use*
- Foot locker has slow closing hinge no slamming
- · Lockers ship fully assembled
- US patent numbers: 6,685,285 6,792,661 6,793,299 7,029,078 7,223,317 7,278,695 7,510,249 7,699,412 7,789,471 8,113,602
- · Other patents pending

Construction – Standard Features

Sizes

Standard Sizes: 24", 30", 36" Wide Nominal: 72" Tall 18". 21". 24" Deep

Upper Door and Cubby Frame

Constructed of $\frac{1}{2}$ thick high-density polyethylene (HDPE) with homogeneous color and a matte textured finish. Dirt or graffiti are easily removed with standard industrial cleaners. Frame is welded to locker box to provide a secure, rigid assembly. Door has ventilation slots.

Sides, Tops, Bottoms, Dividers and Shelves

Constructed of ½" thick HDPE with homogenous color and a matte finish texture. Sides and back of box are formed from a single sheet of HDPE with fused corners. Top, bottom, divider and shelf are welded to frame without metal fasteners or dovetail joints.

Latch Bar

Full-length latch bar is constructed of ½" thick 100% pre-consumer recycled black HDPE with a smooth finish. Runs entire length of door, providing a continuous security latching system. Latch lifts up to open and returns to closed position after door is closed. Latch bar is secured to locker door with stainless steel security TORX-head shoulder screws.

Door Hinge

Heavy-duty, full-length piano hinge is constructed of 18 gauge, type 304 stainless steel. Hinge wraps around edges of the door and the frame and is secured with stainless steel security TORX-head screws. Hinge is powder coated to match locker color[†] and is field replaceable.

Handle

Constructed of injection molded plastic. Ergonomically designed handle is ADA compliant – operates with less than 5 lbs. of force. Handle is secured through latch bar to door with stainless steel security TORX-head screws.

Hasp

Constructed of 12 gauge stainless steel. Accepts standard padlocks with $\%_2$ " diameter (nominal) shackle. (Long shackle padlocks should not be used.) Secured to door behind latch bar with stainless steel screws.

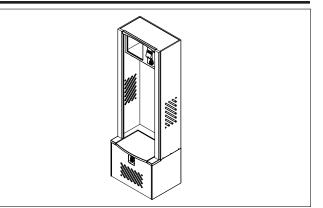
Foot Locker/Bench Seat

Built-in, secure foot locker/bench seat maximizes floor space. Constructed of $\frac{1}{2}$ " thick HDPE sides with 1" thick HDPE hinged bench top. Hinge, which is field replaceable, is 16 gauge, type 304 SS powder coated to match locker color. Seat closes with Soft-Down Stay, a high quality safety device for safe, smooth closure every time. Recessed hasp lock, for use with standard padlocks with $\frac{9}{2}$ " diameter (nominal) shackle, secures bench seat.

Number Plates

Constructed of white acrylic with black film coating. Laser etched with numer specified. Number plates are secured with grooved rivets into a recessed pocket cut into the door. Plates must be fastened to lockers on the job by installer.

Page 1 of 4 3/8/2016 This information is subject to change without notice. Bradley_LenoxLocker_GearLocker



Installation Trim

Constructed of 1" thick HDPE with homogenous color and a matte finish texture. Trim is shipped loose & mounted after lockers are installed. The trim will create sturdy & cleanly finished side walls.

Wall Hooks

Constructed of black powder-coated cast zinc. Four (4) hooks are secured to each locker.

Construction – Optional Features

Combination Padlock

Master Lock #1525 combination padlock fits into standard hasp. Double reinforced construction with stainless steel outer case and cold-rolled steel inner case adds strength and durability. Nickel-plated hardened steel shackle resists rust. Two (2) required per locker.

Logos

Custom logo is machined into back wall of locker. Logo artwork must be provided to Bradley in one of the following formats "DXF", "DWG", "IGES" or "SAT". Font and the size of the logo are also needed.

Additional Wall Hooks

Additional hooks (quantity of 1–3) are secured to the locker.

Coat Rod

Constructed of 1" diameter stainless steel. Rod is mounted with stainless steel flanges and stainless steel screws. Coat rods will be shipped loose and installed on the job after installation of the lockers.

Coat Hook

Double hook constructed of black polycarbonate. Hook hangs centered under upper locker. Secured with stainless steel screws.

Mesh Box Sides

Standard locker sides are machined with cross-hatch pattern to provide ventilation for locker contents.

Mirror

 $4^{\prime\prime}$ x $6^{\prime\prime}$ Acrylic Mirror with double-sided adhesive tape. Assembled at the job site for placement flexibility.

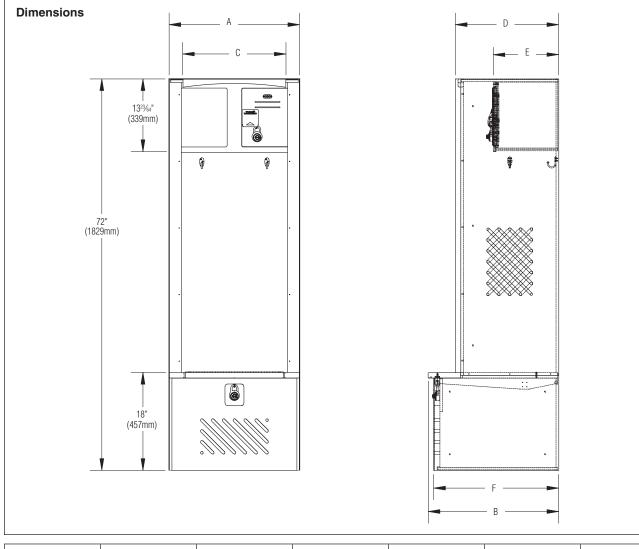
Gear Filler

Fillers are used to fill gaps between gear lockers and a wall or another gear locker. It consists of two pieces: Piece A is an oversized square piece for the top that will be the width and depth of the locker, cut to size in the field. Piece B is a formed "L" piece that gets fitted up to each gear locker (or wall) in the corner.

- * Normal use further defined as lockers installed in a climate-controlled environment, away from direct sunlight.
- [†] Dove Stone locker will have white hinge and handle. Starry Night locker will have black hinge and handle.

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SIZE	А	В	С	D	E	F
24"W x 18"D	24" (610mm)	18" (457mm)	19" (483mm)	13" (330mm)	9.03" (229mm)	17" (432mm)
24"W x 21"D	24" (610mm)	21" (533mm)	19" (483mm)	16" (406mm)	10.53" (267mm)	20" (508mm)
24"W x 24"D	24" (610mm)	24" (610mm)	19" (483mm)	19" (483mm)	12.03" (306mm)	23" (584mm)
30"W x 18"D	30" (762mm)	18" (457mm)	25" (635mm)	13" (330mm)	9.03" (229mm)	17" (432mm)
30"W x 21"D	30" (762mm)	21" (533mm)	25" (635mm)	16" (406mm)	10.53" (267mm)	20" (508mm)
30"W x 24"D	30" (762mm)	24" (610mm)	25" (635mm)	19" (483mm)	12.03" (306mm)	23" (584mm)
36"W x 18"D	36" (914mm)	18" (457mm)	31" (787mm)	13" (330mm)	9.03" (229mm)	17" (432mm)
36"W x 21"D	36" (914mm)	21" (533mm)	31" (787mm)	16" (406mm)	10.53" (267mm)	20" (508mm)
36"W x 24"D	36" (914mm)	24" (610mm)	31" (787mm)	19" (483mm)	12.03" (306mm)	23" (584mm)

Page 2 of 4 3/8/2016 This information is subject to change without notice. Bradley_LenoxLocker _GearLocker © 2016 Bradley P.O. Box 309, Menomonee Falls, WI 53052-0309 800 BRADLEY (800 272 3539) +1 262 251 6000

bradleycorp.com



LENOXGEAR Lenox[®] Gear Locker – Solid Plastic

Model Lenoxgear 	Description Solid Plastic Gear Locker	Model	Description Installation Trim
Required Select	ions (Must Select One from Each Category)	Required Selecti	ons
Locker Width (Select (24-WIDTH 30-WIDTH 36-WIDTH	Dne): 24" Wide Gear Locker 30" Wide Gear Locker 36" Wide Gear Locker	Locker Type (Select On SINGLE DOUBLE	Single Finish Trim Double Finish Trim
Locker Depth (Select (18-DEPTH 21-DEPTH 24-DEPTH Locker Height: 72-HGT Locker Tier: 1TIER	Dne): 18" Deep Gear Locker 21" Deep Gear Locker 24" Deep Gear Locker 72" High Gear Locker One-Tier Gear Locker	Locker Trim Color (Sele BEIGE BURGUNDY BUTTERMILK CANYON-GRANITE CHARCOAL-GRAY DEEP-BLUE DESERT-STONE DOVE-STONE [†] GRAY	LINEN MOSS STARRY-NIGHT [†] TOFFEE PC-CHARCOALGRAY 100% Post-Consumer Recycled Charcoal Gray** PC-TOFFEE 100% Post-Consumer Recycled Toffee** RECYCLED-BLACK 100% Pre-Consumer Black
Locker Color (Select O BEIGE BURGUNDY BUTTERMILK CANYON-GRANITE CHARCOAL-GRAY DEEP-BLUE DESERT-STONE DOVE-STONE [†] GRAY	□ LINEN □ MOSS □ STARRY-NIGHT [†]	may be inconsistent. [†] Dove Stone locker will black hinge and handle	HDPE may have some minor flaws and the color have white hinge and handle. Starry Night locker will have celable and non-returnable.
Locker Door: STD-DOOR Locker Sides (Select C STD-SOLID-SIDES			

MESH-SIDES
 Mesh Locker Sides

Page 3 of 4 3/8/2016 This information is subject to change without notice. Bradley_LenoxLocker _GearLocker © 2016 Bradley P.O. Box 309, Menomonee Falls, WI 53052-0309 800 BRADLEY (800 272 3539) +1 262 251 6000 bradleycorp.com



LENOXGEAR Lenox[®] Gear Locker – Solid Plastic

Optional Selections			Aodel	Description
Locker Lock Type: STD-HASP-LOCK PADLOCK	Standard Hasp Lock Combination Padlock	0	Distional Selection	ns
Locker Number Plates:	Number Plates List Sequence Number Plates Not Required			ne): 18" Deep Gear Locker 21" Deep Gear Locker 24" Deep Gear Locker
Locker Logos: CUSTOM-LOGO	Custom Logo Description No Logo			One): 18" Deep Gear Filler Top 21" Deep Gear Filler Top 24" Deep Gear Filler Top
Wall Hooks: FOUR-HOOKS FIVE-HOOKS	4 Total Hook(s) per Locker Standard 5 Total Hook(s) per Locker			t One): 18" Wide Gear Filler Top 21" Wide Gear Filler Top 24" Wide Gear Filler Top
□ SIX-HOOKS □ SEVEN-HOOKS	Specify Location(s) 6 Total Hook(s) per Locker Specify Location(s) 7 Total Hook(s) per Locker Specify Location(s)		BURGUNDY	ect One): LINEN MOSS STARRY-NIGHT [†]
Locker Coat Rod:	Optional Coat Rod		CHARCOAL-GRAY	□ TOFFEE □ PC-CHARCOALGRAY 100% Post-Consumer Recycled Charcoal Gray**
Locker Coat Hooks:	Double Coat Hook		DOVE-STONE [†]	PC-TOFFEE 100% Post-Consumer Recycled Toffee** RECYCLED-BLACK 100% Pre-Consumer Black

* Width selection should match Depth selection.

** 100% Post-Consumer HDPE may have some minor flaws and the color may be inconsistent.

[†] Dove Stone locker will have white hinge and handle. Starry Night locker will have black hinge and handle.

Page 4 of 4 3/8/2016 This information is subject to change without notice. Bradley_LenoxLocker_GearLocker © 2016 Bradley P.O. Box 309, Menomonee Falls, WI 53052-0309 800 BRADLEY (800 272 3539) +1 262 251 6000 bradleycorp.com

Lenox[®] Lockers

Lenox Lockers from Bradley are practical & durable. With exclusive, patented features you can't find anywhere else, they are the preferred specification for locker rooms.





Bench Lockers Cubby Lockers Gear Lockers Lenox® Lockers Pedestal Benches XL-Lockers Z-Lockers



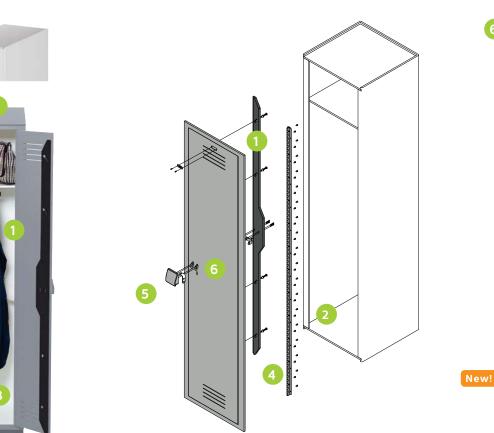
Lenox Lockers

Practical. Durable. Preferred. Lenox Lockers are the preferred specification in locker rooms all over the country.

The Lenox Locker Advantage

- 1 Most secure locking/latch system available: patented continuous slide latch made of ½" (127mm) thick High-Density Polyethylene (HDPE) secures the entire length of the door
- 2 Patented integral box provides strength: top and bottom are welded to frame; door and frame assembly is welded to box
- 3 Optional slope top helps prevent items being stacked on top
- 4 Heavy-duty stainless steel piano hinge is more durable and longer lasting than aluminum or plastic
- 5 Ergonomically-designed handle with concealed stainless steel hasp
- 6 Multiple locking mechanism options offer great variety
- 7 Fully-assembled product for fast, easy installation
- 8 Made from 30% pre-consumer content , 100% pre-consumer content or 100% post-consumer content







Key lock



Combination lock



Coin-operated lock



DCL combination lock Also available with Combination Padlocks.



Need more space?

Lenox Gear Locker and XL-Locker styles are Bradley's latest additions. Gear Lockers are wider and deeper and have plenty of secure storage space to accommodate all types of bulky equipment and gear. XL-Lockers are extra deep for up to 30% more space than standard lockers.



Gear Locker

Secure Your Gear! Extra width & depth – Perfect for bulky items

- Ship fully assembled for quick, easy installation
- Soft-Down Stay slow close hinge on storage bin – no slamming or pinched fingers
- Perfect for fire and police departments, locker rooms, recreation and fitness facilities

Height: 72" (1829mm)

X

<u>ک</u>

Width Options: 24", 30" or 36" (609mm, 762mm, or 914mm)

Depth Options: 18", 21" or 24" (457mm, 533mm, or 610mm)

X X X



XL-Locker

Extra deep for up to **30% more space**

- Room for coats to hang neatly on hangers
- Standard fast lead-time
- Available in Standard, Z-Locker and Cubby Locker styles

Height: 24", 36", 48", 60" or 72" (609mm, 914mm, 1219mm, 1524mm, or 1829mm)

Width Options: 12", 15" or 18" (305mm, 381mm, or 457mm) Depth Options: 21" or 24" (533mm 609mm)



Lenox Locker

shown in

1 tier style

with base



Lenox Lockers shown in 2 tier and 4 tier styles

Standard Locker

Height: 24", 36", 48", 60" or 72" (609mm, 914mm, 1219mm, 1524mm, or 1829mm)

Width Options: 12", 15" or 18" (305mm, 381mm, or 457mm)

Depth Options: 12", 15" or 18" (305mm, 381mm, or 457mm)

Tiers: 1 - 6 6-tier: 72" (1829mm) height only



Lenox Z-Lockers provide practical multi-level storage without wasted floor space

Z-Locker

Height: 60" or 72" (1524mm, or 1829mm) Width Options: 15" or 18" (381mm, or 457mm) Depth Options: 12", 15" or 18" (305mm, 381mm, or 457mm) Tiers: 2



Most made-to-order options

- Built-in key locks
- Built-in combination locks
- Coin-operated locks
- Digital combination locks
- Combination padlocks
- Engraved logos

- End panels
- Number plates
- Filler panels
- Plastic coat hooks
- Metal wall hooks
- Bases

- Slope tops
- Drain holes
- Flat tops
- Mesh doors
- Coat rods

Cubby Bench

Convenient seating and easy-access storage.



Cubby Locker

Easy-access, durable cubby lockers are perfect for items that do not require locked storage. (Three cubby lockers pictured.)



Locker Bench

Convenient seating and storage with hasp lock.



Pedestal Bench

Locker room benches complete the long line of solid plastic products for your restroom and locker room applications.



Visit bradleycorp.com for technical information about Bradley's entire line of Lenox Lockers.





Metal lockers don't stand a chance.

Quick installation and low maintenance costs add up to a 50% life cycle cost savings with Lenox Lockers.

Cost Savings with Lenox Lockers

Over time, metal lockers become dented and rusted like the tired looking example at left. Maintaining 50 metal lockers for 20 years with four paint jobs and two door replacements per locker could cost \$31,000!

Plastic lockers may require additional investment up front, but significant savings on repairs and maintenance will make up the difference over Lenox Lockers' 20-year life cycle.

20-year life cycle	metal lockers	lenox lockers
Paint 4 times @ \$100* per locker	\$20,000	\$0
Replace doors 2 times @ \$110* per locker	\$11,000	\$0
Cost to maintain 50 Lockers	\$31,000	\$0

20-Year warranty

Never paint a locker again! You get maintenance-free lockers that still look new after years of use. Even spray paint and magic markers are easily removed with standard cleaning products. All plastic locker parts and components carry a 20-year warranty against rust, corrosion, denting and delaminating under normal use. Normal use definition: Lockers installed in a climatecontrolled environment, away from direct sunlight.

U.S. Patents

6,685,285; 6,792,661; 6,793,299; 7,029,078; 7,223,317; 7,278,695; 7,510,249; 7,699,412; 7,789,471; 8,113,602 Other patents pending

*Estimated cost

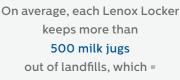
HDPE Solid Plastic

Unlike metal, Lenox Lockers are constructed from corrosion-proof,

high-density polyethylene (HDPE) material that won't rust or dent.

- More resistant to scratches & easier to repair than metal
- GREENGUARD certified as a low emitting material
- 100% post-consumer HDPE recycled material available in three colors
- Locker Benches NOT available in these colors
- Pedestal Benches NOT available in these colors
- Gear Lockers NOT available in these colors

Due to printing variances, the actual material color may differ. See color options on bradleycorp.com or contact your local Bradley Representative for samples.



242.5 kWh

in Delivered Electricity Equivalent, which =

2,828.73 Thousand Btu

in Net Energy Savings, which = enough energy saved to run a...







Bradmar 100% Post-consumer Colors

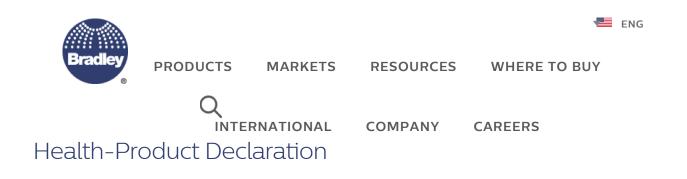


Bradmar 100% Pre-consumer Color



+1 262 251 6000 800 BRADLEY bradleycorp.com W142 N9101 Fountain Boulevard Menomonee Falls, WI USA 53051 3787-7.5-0718





Designers, specifiers, and owners are increasingly seeking transparent information on the ingredients in building products and their associated health hazards. A health product declaration (HPD) is a product transparency reporting tool that identifies the materials or ingredients in a building product and the associated health effects. A key aspect of an HPD is the inventory of all content in the final product form and the associated health hazards.

Developed by the **HPD Collaborative**, an HPD provides a standardized way of reporting the material contents of building products and the health effects associated with these materials. The HPD Collaborative is a



collaboration of organizations, corporations, and companies intent on changing the impact that manufacturing and construction have on our environment and health.

Bradley continues its commitment to sustainability and providing industry leading innovation by introducing its first **HPD for Lenox Plastic Lockers.** This HPD is also one of the first to be voluntarily third party verified. It was recently certified by **NSF International**.

BIM REVIT BLOG

We use cookies to ensure you receive the best experience when you use our webster. By as the our webster, or you agree to our use of cookies. LEARN MORE



W142 N9101 Fountain Blvd. Menomonee Falls, WI 53051 P +1 262 251 6000 800 BRADLEY F +1 262 251 5817

LEED Credit Information

LEED Category	Section	Description	Powder Coated	Stainless Steel	Solid Polymer (HDPE) *	Phenolic
Recycled	MR 4	Post-Consumer	_	25%	- **	_
Content	IVIR 4	Pre-Consumer	25%	40%	30% ***	20%
		Mfg. Location	Marion, OH 43302	Marion, OH 43302	Marion, OH 43302	Marion, OH 43302
Local/ Regional Materials	MR 5	Extraction Location	Follansbee, WV 26037	Ghent, KY 41045 MIddletown, OH 45044	Henagar, AL 35978	St. Jean, Quebec Canada - All stocked colors
	EQ 4.1	VOC Content of Adhesives/	Adhesives – Yes		N1 /A	
Low	EQ 4.2	Paint Below Defined Limits	Paint – Yes	Adhesives – Yes	N/A	Adhesives – Yes
Emitting Materials	EQ 4.4	Free of Added Urea- Formaldehyde Resins	Yes	Yes	N/A	Yes
		GREENGUARD Certified	Yes	Yes	Yes	Yes

* Same LEED information applies to Lenox Lockers

**

100% Post-Consumer Available**(black, toffee and charcoal gray colors only)

*** 100% Pre-Consumer Available
 (black color only)



Sound Transit Operations and Maintenance Facility: East (OMFE)

Material Description	Plastic Lockers
CSI Division	10 51 26
Is the material structure or enclosure?	Yes XNo
Material Name	Plastic Lockers
Manufacturer Name	Bradley Corporation
Manufacturer Contact (Name, Phone/Email)	Justin (huntel 509 - 520 - 830
Material Cost (\$)*	\$74,455.72

*Material Cost includes all taxes and expenses to deliver the material to the project site and excludes any cost for labor and equipment required for installation after the material is delivered to the site.

Attach supporting documentation for all declarations made below

Environmental Product Declarations (EPD)			
Does the material have an EPD? (if no, skip this section)			
EPD Program Operator			
ЕРД Туре	Product-specific Industry-wide (generic) Product-specific Type III		
EPD attached	□ Yes		

Sourcing of	Raw Materials				
	a Corporate Sustainability Report or meet at sible extraction criteria below? (if no, skip	¥Yes □No			
Corporate Sustainabilit	y Report Type	Manufacturer declared Third-party verified			
Extended Producer	Extended Producer Responsibility Closed Loop or Take Back Program Name	NA			
Responsibility	Percent Extended Producer Responsibility (%)	N/A			
Bio-based Materials	Percent Meeting Sustainable Agriculture Network Standard (%)	NA			
	Percent FSC Certified (%)	N/A			
Wood Products	Vendor FSC Chain of Custody Certificate Number	N/A			
Materials Reuse	Percent Salvaged or Reused (%)	NIA			
Degusled Content	Percent Post-Consumer (%)	0%			
Recycled Content	Percent Pre-Consumer (%)	30%			
	Extraction Location (City, Province/State)	Marion, 04			
Regional Information for Entire Product	Manufacture Location (City, Province/State)	Marion, OH			
	Purchase Location (City, Province/State)				
Supporting documentat	ion attached	Yes			



Material Ingredients				
Does the material have a chemical inventory? (if no, skip this section)				
Type of Material Ingredient Reporting	Manufacturer Inventory - GreenScreen (GS) Manufacturer Inventory - Globally Harmonized System (GHS) Health Product Declaration Cradle to Cradle Declare ANSI/BIFMA e3 Furniture Sustainability Standard Cradle to Cradle Material Health Certificate Product Lens Certification Facts - NSF/ANSI 336			
Supporting documentation attached	□ Yes			

Interior Pain	ts and Coatings Applie	d On Site		
Is the material an interior (if no, skip this section)	or paint or coating applied on site?			
All fields must be com	pleted for this category			
Meets California Depart Method v1.1-2010?	ment of Public Health (CDPH) Standard	□Yes □No		
CDPH Exposure Scena	rio			
Range of total VOCs after 14 days (336 hours)		□ 0.5 mg/m3 or less □ between 0.5 and 5.0 mg/m3 □ 5.0 mg/m3 or more		
Applicable Regulation, Product Type, and Allowable VOC	Regulation	SCAQMD Rule 1113 CARB 2007 Canadian VOC Concentration Limits for Architectural Coatings		
Content from attached	Product Type			
page	Allowable VOC Content (g/L)			
Actual VOC Content (g/	L)			
Total Volume Purchase	d (L)			
Contains lead?		□Yes □No		
Contains intentionally a	dded cadmium?			
Supporting documentati	on attached	□Yes		

Exterior Paint						
Is the material an exterior paint? (if no, skip this section)						
Contains lead?						
Contains intentionally added cadmium?	□Yes □No					
Supporting documentation attached	Yes					

Is the material an interior sealant applied on site?	r adhesive (including flooring adhesives) or (if no, skip this section)					
All fields must be com	pleted for this category					
Meets California Depart Method v1.1-2010?	ment of Public Health (CDPH) Standard	Yes No				
CDPH Exposure Scenar	10					
Range of total VOCs after 14 days (336 hours)		0.5 mg/m3 or less between 0.5 and 5.0 mg/m3 5.0 mg/m3 or more				
Applicable Regulation, Product Type, and	Regulation	Canadian VOC Concentration Limits for Architectural Coatings				
Allowable VOC Content from attached	Product Type					
page Allowable VOC Content (g/L)						
Actual VOC Content (g/L)						
Total Volume Purchased	1 (L)					
Supporting documentation attached		□ Yes				

Sound Transit Operations and Maintenance Facility: East (OMFE)



Flooring					
Is the material flooring? (if no, skip this section)	Yes KNo				
Is the material inherently nonemitting**?	Yes No				
Meets California Department of Public Health (CDPH) Standard Method v1.1-2010?	Yes No				
CDPH Exposure Scenario					
Range of total VOCs after 14 days (336 hours)	□ 0.5 mg/m3 or less □ between 0.5 and 5.0 mg/m3 □ 5.0 mg/m3 or more				
Supporting documentation attached	□Yes				

**Products that are inherently nonemitting sources of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood flooring) are considered fully compliant without any VOC emissions testing if they do not include integral organic-based surface coatings, binders, or sealants.

Composite Wood					
Is the material composite wood? (if no, skip this section)	Yes XNo				
Requirement met	California Air Resources Board ATCM for formaldehyde requirements for ultra-low- emitting formaldehyde (ULEF) resins No added formaldehyde resins				
Supporting documentation attached	☐ Yes				

Ceilings, Walls, Thermal, and Acoustic Insulation					
Is the material a ceiling, wall, thermal, or acoustic insulation? (if no, skip this section)	□Yes X No				
Meets California Department of Public Health (CDPH) Standard Method v1.1-2010?	□Yes □No				
CDPH Exposure Scenario					
Range of total VOCs after 14 days (336 hours)	0.5 mg/m3 or less between 0.5 and 5.0 mg/m3 5.0 mg/m3 or more				
Supporting documentation attached	Yes				

Furniture						
Is the material furniture? (if no, skip this section)	Ves XNo					
Requirement met	ANSI/BIFMA e3-2011 Furniture Sustainability Standard, Sections 7.6.1 ANSI/BIFMA e3-2011 Furniture Sustainability Standard, Sections 7.6.2					
Supporting documentation attached	☐ Yes					

Plumbing Fo	or Water Intended for Hu	man Consumption
	or flux to connect plumbing pipe, or pipe, pipe or faucet for water intended for human skip this section)	□Yes XNo
Requirement met	Solder and flux to connect plumbing pipe	California AB1953 standard (which specifies that solder not contain more than 0.2% lead, and flux not more than a weighted average of 0.25% lead for wetted surfaces. The "lead free" label as defined by the Safe Drinking Water Act (SDWA) does not provide adequate screening for the purposes of this credit because the SDWA defines "lead free" as solders and flux containing 0.2% lead or less.)
	Pipe fittings, plumbing fittings, and faucets	California law AB1953 (weighted average lead content of the wetted surface area of not more than 0.25% lead)
Supporting documentation attached		∐ Yes

Roofing and Flashing						
Is the material roofing or flashing? (if no, skip this section)						
Requirement met	Lead-free					
Supporting documentation attached	QYes					

Electrical Wire and Cable						
Is the material electrical wire or cable? (if no, skip this section)	□Yes XNo					
Requirement met	Lead content less than 300 parts per million					
Supporting documentation attached	☐ Yes					



The Mills Company warrants to commercial and institutional purchasers only each new Lenox locker unit purchased from us to be free from defects in materials and workmanship under normal use and service for a period of one year and be free from rust, delamination or breakage of any plastic components for a period of 20 years under normal use*. This warranty is measured from the date of our invoices, upon the following terms and conditions:

This warranty is limited to replacing or repairing, at our option, transportation charges prepaid by the purchaser, any Lenox locker unit or part thereof which our inspection shall show to have been defective within the limitations of this warranty.

This warranty does not cover installation labor charges and does not apply to any units that have been damaged by accident, abuse, improper installation, improper maintenance, or altered in any way.

The replacement or repair of defective Lenox locker units as stated in this warranty shall constitute the sole remedy of the purchaser and the sole liability of The Mills Company under this warranty. **THE MILLS COMPANY SHALL NOT UNDER ANY CIRCUMSTANCES BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR INDIRECT DAMAGES CAUSED BY DEFECTS IN LENOX LOCKER UNITS OR ANY DELAY IN THE REPAIR OR REPLACEMENT THEREOF.**

This warranty extends only to commercial and institutional purchasers and does not extend to any others, including consumer customers of commercial and institutional purchasers.

This warranty does not extend to any product purchased from an unauthorized online seller (meaning any seller offering Bradley products for sale over the internet, other than those resellers identified as "authorized" at **bradleycorp.com/national-distributors-and-online-retailers**

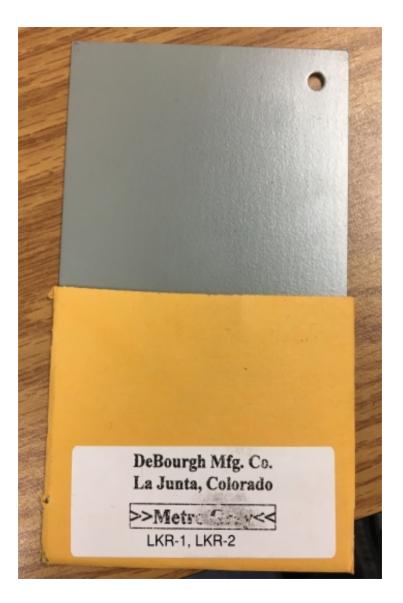
THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.

*Normal use further defined as lockers installed in a climate-controlled environment, away from direct sunlight.

Revised: October 21, 2010

BIM REVIT BLOG

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,			Phone: Fax:			
Contract Title:	Link Operations Mainte Build	enar	nce Facility: East Design	Date:		01/07/2020
Contract No.:	RTA/CN 0020-16					
То:	Attn: Brian Gustine Hensel Phelps 1919 120th Ave NE Bellevue, WA 98005 Phone: (408) 206-5289	Fax	C:	Ref:		M200-REC-02673 SUB 064116-003.001 1.03B PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS - Sho
WE ARE SEND	ING:	S	UBMITTED FOR:		A	CTION TAKEN:
Shop Drawings			Approval		Х	Approved as Submitted
Letter			Your Use			Approved as Noted

	Letter		Your Use		Approved as Noted
	Prints	Х	As Requested		Returned After Loan
	Change Order		Review and Comment		Resubmit
	Plans				Submit
	Samples		SENT VIA:		Returned
	Specifications	Χ	Attached		Exceptions Noted - Resubmit
Χ	Other: SUB 064116-003.001 1.03B		Separate Cover Via: Mail		Due Date:

ITEM NO.	COPIES	DATE TYPE	NUMBER F	REV. NO.	DESCRIPTION	STATUS
001	1	01/07/2020 SUT	(001	Plastic-Laminate-Clad Architectural	NET
					SUB 064116-003.001 1.03B	

Remarks: No Exceptions Taken

Brian K Matthews

eigneui



M200 Operations Maintenance Satellite Facility - East

Page 1 of 1

Submittal No./Ref./Title:	SUB 064116-003.001 1.03B PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS - Shop Drawings	Date Received:	12/30/19
Correspondence No.:	M200-CRE-04157	Date Due to Contractor:	1/13/20

requirements and shall not relieve the Contractor of responsibility for converters or omissions in such			eview Action Legend: ode 1 - No Exceptions Taken ode 2 - Exceptions As Noted ode 3 - Exceptions as Noted - Resubmission Required ode 4 - Rejected		wer: Returned: Il Review Action: egend)	Brian Matthews 1/7/20 1		
ltem No.	Submittal Section/ Spec Reference	Item Review Action	Reviewer's Comments	Contractor's Response				
Reviev	Review Comments:							
1		1	NET					
2								
3								
4								
5								
6								

DIRECTIONS:

Once you have inputted your comments and populated the required fields (as designated in RED) then go to 'FILE > SAVE AS > CURRENT FOLDER' and in the file name add a space and a hyphen and a space and your initials to the end of the title. Then click save. This will create another DOC file of the comment sheet that will have your initials at the end of the file name.

Example: M200 SUB XXXXX-XXX.XXX Review Comments - REVIEWER INITIALS



Operations Maintenance Facility: East

Submittal Transmittal

Detailed by Each Transmittal

Project # 5017101 1899 120th Avenue NE Bellevue, WA 98005			E	Jobsite Info. Tel: 425.528.0000 Fax:				Hensel Ph	elps
Date:	12/3	0/2019						Reference Number: 12	251
Transmitted To: Brian Matthews Sound Transit 400 South Jackson Street Seattle, WA 98104		Transmitted By:			Tolulope Dayo Hensel Phelps 1899 120th Ave NE Bellevue, WA 98005				
Qty	ty Submittal Package No			Description			Due Date	Package Action	
1	1 0003 - 064116 - 1		PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS			01/27/2020	Exceptions as Noted		
Trans	smitted Fo	or		Delivered Via	a			Tracking Number	
Appro	oval			SharePoint					
lter	ms	Qty	Description		Notes			Item Action	
00)1		PLASTIC-LAMINATE- CABINETS : Shop Dra	CLAD ARCHITECTURAL wings - ST	. Shop Drav	vings : -			
Cc:	Compan	y Nam	ie	Contact Name	Copies	Notes			
Rema	arks								

Brian,

See attached M200-CRE-04157 SUB 064116-003.001 1.03B PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS : Shop Drawings for your approval.

Thank You.

Signature



Operations Maintenance Facility: East

Submittal Packages

Detailed Tracking Form

Project # 5017101			Jobsite Info.					Hensel Phelps		
1899 120th Avenue NE			Tel: 425.528.0000							
Bellevue, V	VA 98005				Fax:					
0003-06	4116-1		PLA	STIC-LAMIN	ATE-CLAD ARCHITECTUR	AL CABINE	ETS			
Submitta	Submittal Author Company Contact		Author Package	ckage # Trade		Priority				
Hensel Pr	Hensel Phelps Tolulope Dayo				PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS					
Items										
Item #	Reg #	Rev #	Spec Sec	Sub Sec	Description			Туре		Action
001	00751	1	06 41 16	1.03-B	PLASTIC-LAMINATE-CLAD A CABINETS : Shop Drawings -		RAL	Shop Drav	wings	
Reviewe	rs									
From Co	mpany			To Compan	у	Sent Date	D	ue Date	Sent For	
Hensel Ph	nelps			Rolluda Archi	tects Inc.	12/13/2019	12	/27/2019	Approval	
Package	Notes:									

	IF SUBMITTAL IS SHOP DWG, PLACE STAMP ON DWG COVER SHEET.
HENSEL PHELPS CONSTRUCTION CO.	Project: M200 OMFE
REVIEWED APPROVED Image: Comparison of the comparison of th	DOR Review Discipline: Architectural Structural Hechanical Electrical Other Interiors This document has been reviewed for general conformance and compliance with the DOR's construction documentation and the following is noted: REVIEWED, NO EXCEPTIONS TAKEN REVIEWED, NO EXCEPTIONS TAKEN REVIEWED AS NOTED REVIEWED AS NOTED REVIEWED AS NOTED DOR REVIEW NOT REQUIRED
CK'D: <u>TAD</u> Date: <u>12/13/2019</u> HPCC Submittal NO.: <u>0003-064116-1</u>	DOR Reviewer: Brett Barbakoff Date: 12/23/19 Company: <u>Rolluda Architects</u>

PROJECT: SOUND TRANSIT - OMFE - FULL RESUBMITTAL 1899 - 120TH AVE NE BELLEVUE, WA 98005

CASEWORK GRADE REQUIREMENTS:

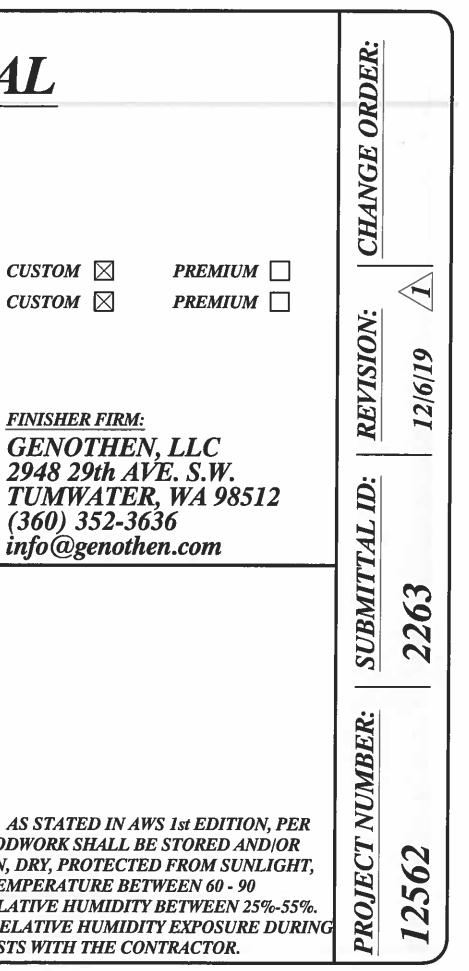
INSTALL GRADE REQUIREMENTS:

CASEWORK BY:



2948 29th S.W Tumwater, Washington 98512-6191 PHONE (360) 352-3636 FAX (360) 352-0753

DESIGN FIRM:	CONTRACTOR FIRM:	INSTALLATION FIRM:	FINISHER FIRM:
ROLLUDA ARCHITECTS	HENSEL PHELPS	TBD	GENOTHEN, LLC
105 SOUTH MAIN ST. SUITE 323			2948 29th AVE. S.W.
SEATTLE, WA 98104	BELLEVUE, WA 98005		TUMWATER, WA 985
(206) 624-4222	(925) 989-3858		(360) 352-3636
info@rolludaarchitects.com	rperry2@henselphelps.com		info@genothen.com
ARCHITECT STAMP:	CONTRACTOR STAMP:	PROJECT GENERAL NOTES:	
	0		
51		NOTE SITE CONDITION REQUIREMENT	AS STATED IN AWS 1st EDITIO
		SECTION 2, 4.1.2, ARCHITECTURAL WO	ODWORK SHALL BE STORED AN
		INSTALLED IN AN AREA THAT IS CLEA	
		EXCESSIVE HEAT, MOISTURE, ROOM T DEGREES FAHRENHEIT AND HAS A RE	
		SECTION 2, 1.4.1.2 STATES IMPROPER I	
		SITE STORAGE AND INSTALLATION RE	STS WITH THE CONTRACTOR.



INDEX

GENOTHEN

2948 29th Ave. SW

Tumwater, WA 98512-6191

Phone (360)352-3636 Fax (360)352-0753

		-	-		
SHEET #	ROOM # and ROOM NAME	LC	CL#	SHEET #	ROOM # and ROOM NAME
-	PROJECT INFORMATION SHEET	-	-	D5	UPPER W/ CUBBIES / OPEN BASE
-	PROJECT COVERSHEET	-	-	D6	CTOP @ COILING DOOR @ DISPATCH/OPERATO
				D7	BASE @ DISPATCH / CLIPBOARD HANGERS @ O
-	ORIENTATION PLANS SHEETS: M04-IPP101 (222), M04-IPP111 (223),	-	-	D8	SECTION @ UPPER CORNER / MICRO CAB @ LUI
	M04-IPP112 (224), M04-IPP113 (225), M04-IPP201 (230),			D9	UPPER CABINET @ LUNCH / UPPER CABINET @
	M04-IPP212 (232), M04-IPP213 (233), M05-IPP101 (277), M04-IPP112 (279)	-	-	D10	ADA OPEN BASE / SS CTOP @ RESTROOMS
		-	-	D11	(4) DRAWER BASE @ LUNCH / SS CTOP @ FILE F
S1	GENOTHEN TYPICAL BLOCKING	-	-	D12	SECTION @ SS SILL / SS SILL @ SHUTTER DOOP
S2	GENOTHEN TYPICAL GRAIN DIRECTION	-	-		
S3	GENOTHEN TYPICAL CABINET CONSTRUCTION	-	-		
S4	GENOTHEN TYPICAL CABINET CONSTRUCTION		-		
S5	GENOTHEN TYPICAL CABINET CONSTRUCTION	-	-	01	SILL ORIENTATION PLANS
S6	GENOTHEN TYPICAL CABINET CONSTRUCTION	-	-	02	SILL ORIENTATION PLANS
S7	GENOTHEN TYPICAL CABINET CONSTRUCTION	-	-	03	SILL ORIENTATION PLANS
S8	GENOTHEN TYPICAL CABINET CONSTRUCTION	-	•	04	SILL ORIENTATION PLANS
S9	GENOTHEN TYPICAL CABINET CONSTRUCTION	-	-	05	SILL ORIENTATION PLANS
				06	SILL ORIENTATION PLANS
		-	-	07	1ST FLOOR SILL SCHEDULE
H1	HARDWARE: HINGE	-	-	08	2ND FLOOR SILL SCHEDULE
H2	HARDWARE: PULL	-	-	09	M04108 DISPATCH OFFICE
НЗ	HARDWARE: SHELF CLIP	-	-	09A	M04108 DISPATCH OFFICE
H4	HARDWARE: DRAWER GUIDE	-	-	09B	M04108 DISPATCH OFFICE
H5	HARDWARE: SUPPORT	-	-	10	M04108 DISPATCH OFFICE
H6	HARDWARE: GROMMET	-	-	11	M04108 DISPATCH OFFICE
H7	HARDWARE: CLIPBOARD HOOKS	-	-	12	M04108 DISPATCH OFFICE
		-	-	13	M04108 DISPATCH OFFICE
D1	SECTION @ SS WINDOW SILL / SECTION @ SS COUNTERTOP SPLASH	-	-	14	M04109 OPERATORS ROOM
D2	TYP SS CTOP EDGE / PLAN @ COLUMN @ WINDOW SILL			15	M04109 OPERATORS ROOM
D3	PLAN @ COLUMN @ SILL CORNER / BASE @ CLIPBOARD HANGERS	_	-	16	M04111 LUNCH ROOM
D4	(4) DRAWER BASE / (4) DRAWER BASE	-		17	M04111 LUNCH ROOM
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2948 29th Ave.

Tumwater, WA 985

Phone (360)352-3636 Fax

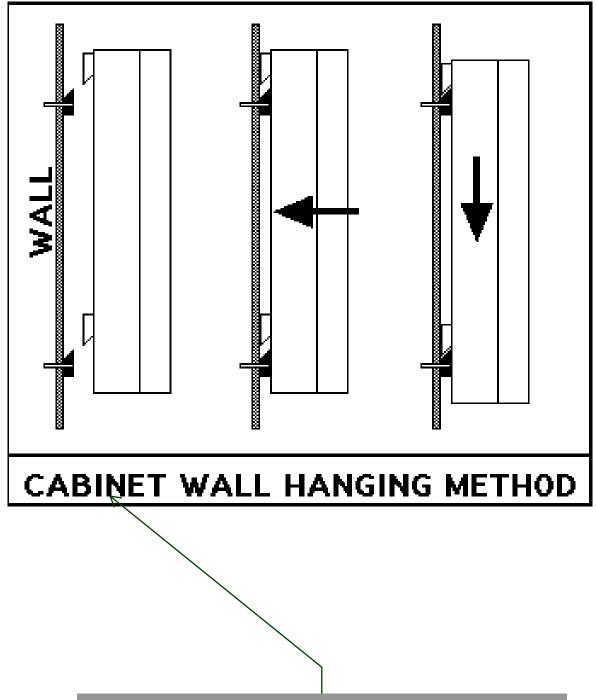
	-		-				
	SHEET #	ROOM # and ROOM NAME	LC	CL#		SHEET #	ROOM # and ROOM NAME
	18	M04111 LUNCH ROOM					
L	19	M04113 COPY ROOM					
	20	M04116 MEN'S RR					
L	21	M04117 WOMEN'S RR					
L	22	M04119 WOMEN'S RR					
	23	M04120 MEN'S RR					
L	24	M04166 MEDIA ROOM					
	25	M04220 MEDIA					
	26	M04224 MEN'S RR					
	27	M04225 WOMEN'S RR					
L	28	M04229 WOMEN'S RR					
L	29	M04230 MEN'S RR					
	30	M04238 BREAK ROOM] [
	31	M04243 MEDIA ROOM					
H	32	M05117 BREAK ROOM					
	33	M05117 BREAK ROOM					
	34	M05120 MEDIA ROOM					
L	35	M05122 FILE ROOM					
	36	M05124 MEN'S RR					
	37	M05125 WOMEN'S RR] [
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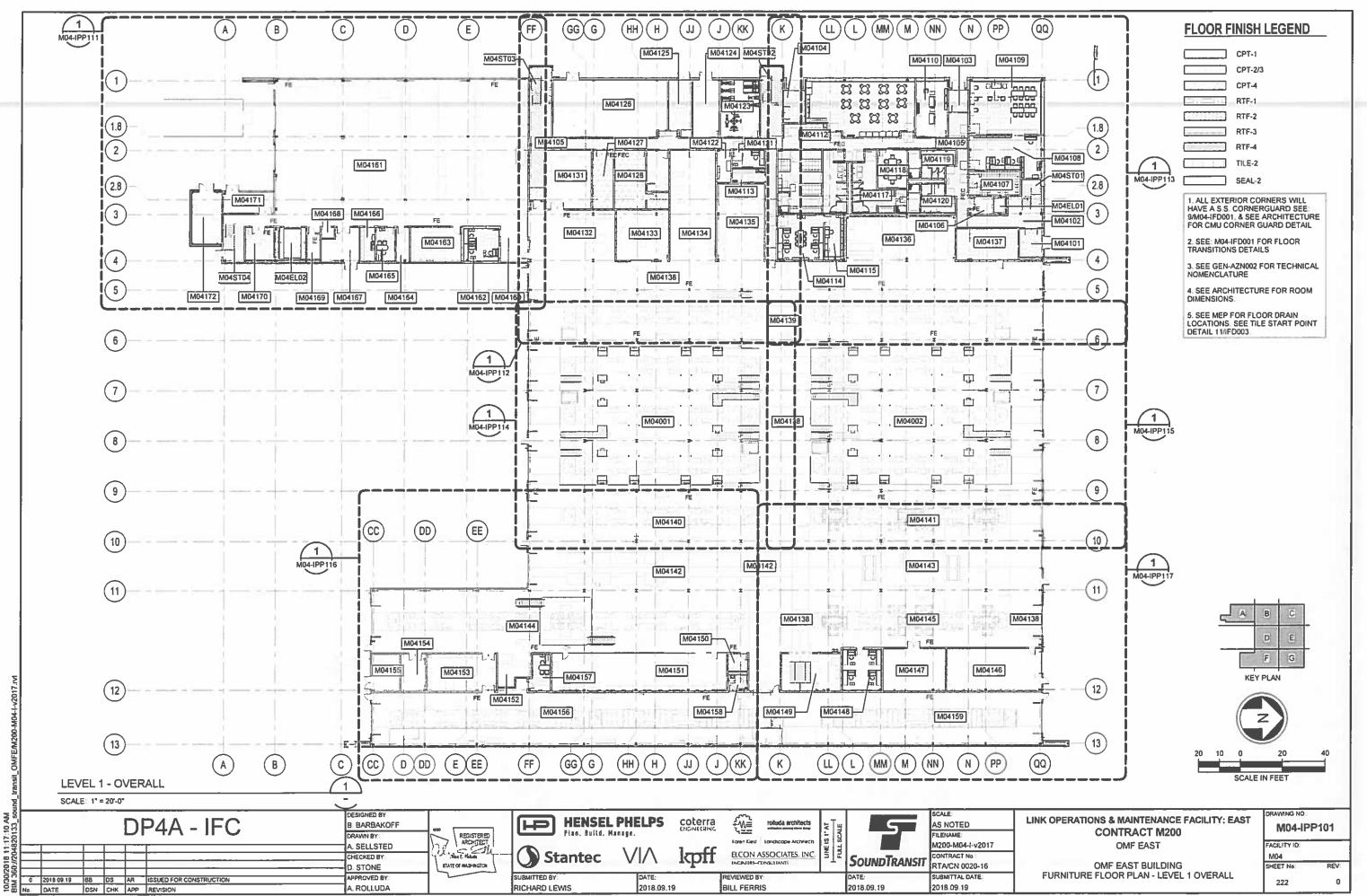
GENOTHEN, LLC 2948 29th Ave. SW Tumwater, WA 98512-6191 PHONE (360) 352-3636 FAX (360) 352-0753	PROJECT GENERAL NOTES Architect and General Contractor: Refer to shops for "Q" question locations. These questions must be answered prior to production	Ш
PROJECT INFORMATION Project Name: Sound Transit OMFE Bid Date: 4/5/2019 Bid # 12562 Time Frame: Finish date Oct 2020 Project # 12562 Estimator: Ethan Lington - Ext. 115		ound Transit OMF
General Contractor: Hensel Phelps Project Location: Bellevue, WA Project Manager: Ryan Perry Phone # - Site Superintendent: 0 Phone # -	ROlluda, please confirm this. HPDL - Formic White - Matte 949-58 is acceptable	Sol
Architectural Firm: Rolluda Architects Project Architect: Alex E. Rolluda Phone # (206) 624-4222 Fax # - Architectural drawings dated: 9/19/18 Was a full specification book provided by GC? Yes		62
Drafter: Sarah Weaver Project Manager: Marjorie Norman In order for us to successfully meet the current Number of sets requested: PDF Construction Schedule of 1/27/20 please return Date submitted: 12/6/2019 approved shop drawings no later than 12/13/19 Incorporates change orders: N/A (30 day review time allowed per Section 01 33 00, 1.3, B)		125
Vertical movement method: Elevator Floors: 2 (C)	LEGEND ABBREVIATIONS: GENOTHEN ELEV # ARCHITECTS ELEV. # BO = BY OTHERS FV = FIELD VERIFY FV = FIELD VERIFY FB = FINISHED BOTTOM FB = FINISHED BOTTOM FE = FINISHED END GWB = GYPSUM WALL BOARD GENOTHEN SHEET # ARCHITECTS SHEET. # HPDL = HIGH PRESSURE DECORATIVE LAMINATE	N, LLC
Elevator Dimensions: <u>Attention Contractor</u> : If there is an elevator that will be used, please provide the requested dimensions so that we may build to accommodate.	MM = MELAMINE (LOW PRESSURE LAMINATE) GENOTHEN DETAIL # ARCHITECTS DETAIL # OC = ON CENTER PB = PARTICLE BOARD PL = PLASTIC LAMINATE GENOTHEN SHEET # ARCHITECTS SHEET. # References the 1st page where this detail occurs on our shops SS = STAINLESS STEEL TB = TACKBOARD TBD = TO BE DETERMINED	GENOTHEN

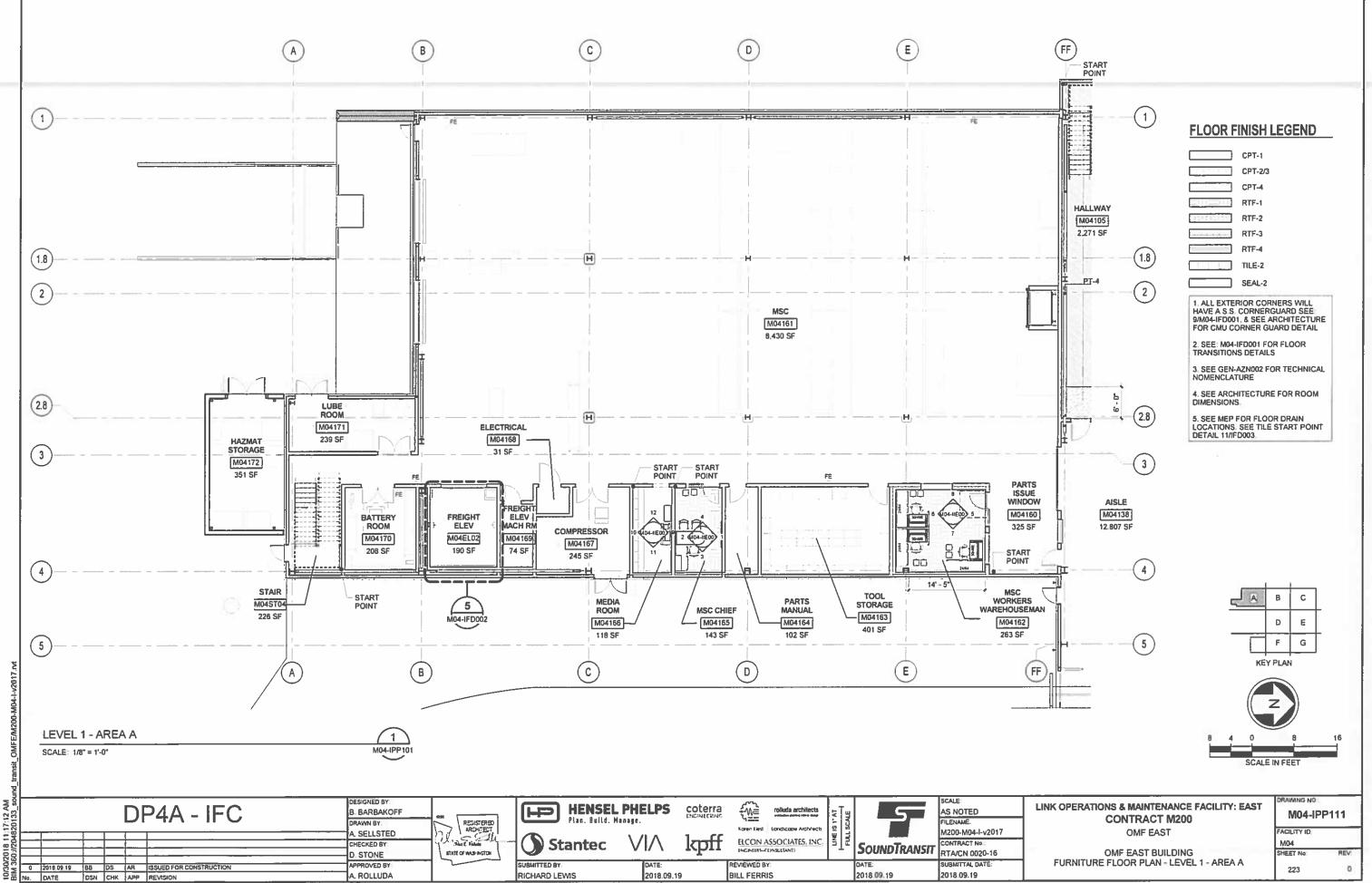
			GENOTHEN	LLC		Project # 12	2562					S	ound	Transit (OMFE					Be	llevue	WA
		COVERSHEET	FOR PROJECT SPEC	IFICATIONS and C	OLOBS	Ship Date: 01	/27/20				Engineer				Date:				— • •			
		OOTENONEET			010110					Box	count per Cutlist	Cutlist #			Jobs ID#				Tracki	ng:		
			Standards as cited by Spec	Ť	AWI Custom	the second se	accepte		4			_										
	-	IFORMATION	Arch. Wood Standards	Installation Grade:	AWI Custom	CABINET HARDWARE				snops)	SPECIFIC P											
pecificatio	_		06 41 16			Hinge type & finish:	_	100 degree - co			Note #1) Na	ilers: (1) a	at uppers									1
Constructio			Flush Overlay	Exp. Vert. cab surfaces	HPDL (HGS)	Finish of hinges:		US32D "Stainles		()	Countertop	ouerhear		or at frants	1 [#] to hos	ot onde						
uantity of			173	Exp. Hortz. cab surfaces Semi-exposed material:	HPDL (HGS)	Pull type & size:		ire - 96mm o.c.	. ,		Bathrooms						10 A ¹¹ 001/	d eninehos	0			
	· · ·	r Bottoms: Side of Doors:	HPDL to match face HPDL to match interiors	Joinery:	HPDL (VGS)	Finish of pulls: Door pull placement:		US32D "Stainles		ľ	HPDL toeki			piasiles, All	Contras Tor				3			
		losure panel:	Yes	Nailers required:	8mm dowel Yes (see note #1)	Door pull placement:		Horizont			HPDL IDEKI		gnout									
			103	inancia requireu.	Tres (acc note wit)	Adjustable shelf system:		Holes @ 32m			L.E.E.D Con	noliance										
	RD	DOOR CABINET	rs			Shelf clip:		Spoon typ			Buy Americ		noliance									
ore materi			NAUF Particle Board		1	Pencil drawer guides:		100 (b. Ball Been		1												
		r & drawer fronts:	Yes	· · · · · ·		Standard drawer guides:		100 ib. Ball Bear	-	1	Open Cabin	ets: Balan	nced HGS	;								
		Drawers:	Vertical			File drawer guides:		100 lb. Ball Bear		1	Closed Cab											
		Front material:	3/4" HPDL faced	Banding:	HPDL	File drawer hanging syste	m:	Pendafie		1	No locks				· ·							
binet top	-		3/4" HPDL faced	Banding:	HPDL	Door locks:		N/A		1	All cabinets	& counte	rtops fur	nished only	- All insta	li by other	rs					
		material:	3/4" HPDL faced	Banding:	HPDL	Drawer locks:		N/A		1						•						
binet end			3/4" HPDL faced	Banding:	HPDL	Key schedule:		N/A		1	Install Cauli	king, Off-V	White if p	aintable								
		up to 37" wide):	3/4" VGS HPDL faced	Banding:	HPDL	Magnetic catch @ door:		N/A		1	Install screv				binet, & c	abinet to v	wall					
		up to 38-45" wide):	1" VGS HPDL faced	Banding:	HPDL	Elbow catch:		N/A		1												
		up to N/A" wide):	N/A	Shelf Core:	NAUF PB	Keyboard arm:		N/A		1	Do not use a	adhesives	that con	tain urea foi	rmaldahy	le						
binet bac	_		1/2" HPDL faced			Clothes rod:		N/A						-								
e Kicks:	Co	e Finish Height	NAUF Particle Board	HPDL	4"	Standards & brackets:		N/A			LONG-LEAD /	BUYOUT IT	EMS:		ROOM:		P	OSSIBLE SU	IPPLIER:			LEAD-TIME:
						Sliding door hardware:		N/A			-											
PEN CA	ABI	NETS				Coat hooks:		N/A		1	Corian Solid S	urface			All		[Τ	BD				5 weeks
ore Materia	ial:		NAUF Particle Board			Casters:		N/A														
binet top	a ma	terial:	3/4" HPDL faced	Banding:	HPDL	Counter top supports:		White metal s	upport													
binet bott	tton	material:	3/4" HPDL feced	Banding:	HPDL	Trash ring grommet Colo	r: N/	/A I	N/A													
binet end	ds n	naterial:	3/4" HPDL faced	Banding:	HPDL	Cord grommets Color	": BLK N	/A 60	Ծառո												_	
elf materi	rial (up to 37" wide):	3/4" HGS HPDL faced	Banding:	HPDL	instant instant				2	Wood finish	system:				ener when	F	inishing Spe	cification Gr	ade:		
elf materi	rial (up to 38-45" wide):	1" HGS HPDL faced	Banding:	HPDL	TOPS & BACKSPLASH		Solid surfa	108													
elf materi	rial (up to N/A" wide):	N/A	Shelf Core:	NAUF PB	Top thickness:		1-1/2" Build	dup		Other Finish	Schedule										
binet bac	ck n	aterial:	1/2" HPDL faced			Front Edge Style:	:	Square w/ ease	d edges		ID		Specie	8	Type/	Grade	C	ut	Veneer M	latching		Finish
eriors bel	hin	d glass doors:	3/4" HGS HPDL faced			Counter top banding:		N/A			WD1S	P	Paint grade v	boow							Pai	nted to match wall
e Kicks:	Col	e Finish Height	NAUF Particle Board	HPDL	4"	Core Material:		Plywood	t						[
						Core Material at wet Areas:		Ext. Grd. Ply			L										ļ	
RAWER		DX				Top Thickness at wet areas:		1-1/2" Build	and the second se											-	[
re Materia			Solid/Veneer White Maple	Qty of drawers:	125	Backsplash Type:		Integral Top	-Set	RFI #9	20		ufacturer/		Col	1		Name	Thick			Finish
sembly M		iod:	Dowel			Backsplash banding:		N/A		<i>V'</i>	5S01		(CT-1) Stan		S			r Birch	1/2		<u> </u>	N/A
awer Side			Solid White Maple Core	Banding:	.020 PVC		a	accepted			SS02		(CT-2) Bath		M			hara	1/2			Matte
b-front an			Solid White Maple Core	Banding:	.020 PVC	SPECIAL TOPS		•			SS03	Corla	in (CT-4) Wir	ndow Sills	с С	X.	Carbon	Concrete	1/2	č		N/A
awer Bott	tom	:	Veneer White Maple Core			Postformed tops supplier:		N/A													<u> </u>	
_			Caselling Han and Inc.	Calena & January Barra and	Alteria	Solid surface tops supplier:		TBD													<u> </u>	
	_	PLAM Manufacturers: /ilsonart	Specification reviewed by Updated by:	Ethan Lington - Ext. 115 Dennis Mercer	4/5/19 7/7/19	Stainless steel tops supplier: Epoxy tops supplier (SPEC):	· · · · ·	N/A N/A			—				<u> </u>		-					
	- H-	evamar	Updated by:	Sarah Weaver	12/6/19	Are epoxy sinks included?		N/A			<u> </u>	1		_			_				 	
	- H-	ormica	Updated by:			Chemical Resistant HPDL at	ops:	N/A														
G	- In-	ionite	Updated by:																			224 - 32
	ιĽ		PLAM colors located:	Finish schedule sheet f	GEN-AZN002	Includes: Doors, Drawer & F	alse Fronts;		Includes: Ca	se Body P	arts	Includes	s: Fixed S	helves and Par	rtitions	Open F	Base, Tall. C	Or Upper Cab	inets	Count	ter Top and	Backsplash Edges
1						Fixed Panels				, ••						· ·						
· ·	' F					Banding Banding		Banding	Banding			Banding				Banding	A				Banding	
	;			A · · · ·					Color #	Banding	Color Name		Color #	Banding Cole	or Name	11000		Banding Cold	and the second second	1 0110	Color #	Banding Color Name
olors d	n el	Manufacturer	Color #	Color Na	ame	Turne Di Onter Alleria	Color Name	, Туре		Danding	Color Manie	Туре		Danting Con		Туре	Color #	banding con	or Name	Туре		
<u> </u>	1 2 1 2	Manufacturer Formics	Color #	Color Na Natural Maple (Base		Type Color # Banding	Color Name al Maple	нроц	756-58		ral Maple	.020 PVC	756-58	Natural M		HPDL	756-58	Natural M		. The		
L01 X	1 9 1 X				e Cabinets)	Type Color # Banding HPDL 756-58 Nature				Natu		<u> </u>			laple	HPOL			taple	- 1966		
L01 X	n 91 1 K	Formica	756-58	Natural Maple (Base	e Cabinets)	Type Color # Banding HPDL 756-58 Nature	al Maple	HPDL	756-58	Natu	ral Maple	.020 PVC	756-58	Natural M	laple	HPOL	756-58	Natural M	taple			
L01 X L02 L03		Formica	756-58	Natural Maple (Base	e Cabinets)	Type Color# Banding HPDL 756-58 Nature HPDL 949-MC Micro	al Maple	HPDL HPDL	756-58	Natu	ral Maple	.020 PVC	756-58	Natural M	laple	HPOL HPOL	756-58	Natural M	taple			
PL01 X PL02 PL03 PL04		Formica	756-58	Natural Maple (Base	e Cabinets)	Type Color# Banding HPDL 756-58 Natu HPDL 949-MC Micro HPDL -	al Maple	HPOL HPOL HPOL	756-58	Natu	ral Maple	.020 PVC .020 PVC .020 PVC	756-58	Natural M	laple	HPOL HPOL HPOL	756-58	Natural M	taple			
PL01 X PL02 PL03 PL04 PL05		Formica	756-58	Natural Maple (Base	e Cabinets)	Type Color # Banding HPDL 756-58 Natu HPDL 949-MC Micro HPDL HPDL HPDL	al Maple	HPDL HPDL HPDL HPDL	756-58	Natu	ral Maple	.020 PVC .020 PVC .020 PVC .020 PVC	756-58	Natural M	laple	HPOL HPOL HPOL HPOL	756-58	Natural M	taple			
PL01 X PL02 PL03 PL04 PL04 PL05 PL06 PL06 PL06 PL06 PL06 PL06 PL06 PL06		Formica	756-58	Natural Maple (Base	e Cabinets)	Type Color # Banding HPDL 756-58 Nature HPDL 949-MC Micro HPDL - - HPDL - -	al Maple	HPDL HPDL HPDL HPDL HPDL	756-58	Natu	ral Maple	.020 PVC .020 PVC .020 PVC .020 PVC .020 PVC	756-58	Natural M	laple	HPOL HPDL HPDL HPDL HPDL	756-58	Natural M	taple			
PL01 X PL02 PL03 PL04 PL04 PL05 PL06 PL06 PL07 PL07 PL07 PL07 PL07 PL07 PL07 PL07		Formica	756-58	Natural Maple (Base	e Cabinets)	Type Color # Banding HPDL 756-58 Nature HPDL 949-MC Micro HPDL - - HPDL - - HPDL - - HPDL - -	al Maple	HPDL HPDL HPDL HPDL HPDL HPDL	756-58	Natu	ral Maple	.020 PVC .020 PVC .020 PVC .020 PVC .020 PVC .020 PVC	756-58	Natural M	laple	HPOL HPDL HPDL HPDL HPDL HPDL	756-58	Natural M	taple			
PL01 X PL02 PL03 PL04 PL04 PL05 PL06 PL07 PL08 PL08 PL08 PL08 PL08 PL08 PL08 PL08		Formica	756-58	Natural Maple (Base	e Cabinets)	Type Color # Banding NPDL 756-58 Nature HPDL 949-MC Micro HPDL - -	al Maple	HPDL HPDL HPDL HPDL HPDL HPDL HPDL HPDL	756-58	Natu	ral Maple	.020 PVC .020 PVC .020 PVC .020 PVC .020 PVC .020 PVC .020 PVC .020 PVC	756-58	Natural M	laple	HPOL HPOL HPOL HPOL HPOL HPOL HPOL	756-58	Natural M	taple			
n n PL01 X PL02 PL03 PL04 PL04 PL05 - PL06 - PL07 PL08 PL09 -		Formica	756-58	Natural Maple (Base	e Cabinets)	Type Color # Banding HPDL 756-58 Nature HPDL 949-MC Microson HPDL - -	al Maple	HPDL HPDL HPDL HPDL HPDL HPDL HPDL HPDL	756-58	Natu	ral Maple	.020 PVC .020 PVC .020 PVC .020 PVC .020 PVC .020 PVC .020 PVC .020 PVC .020 PVC	756-58	Natural M	laple	HPOL HPOL HPOL HPOL HPOL HPOL HPOL HPOL	756-58	Natural M	taple			
PL01 X PL02 PL03 PL03 PL04 PL05 PL05 PL06 PL06 PL07 PL08 PL09 PL09		Formica	756-58	Natural Maple (Base	e Cabinets)	Type Color # Banding HPDL 756-58 Nature HPDL 949-MC Micro HPDL - - HPDL - -	al Maple	HPDL HPDL HPDL HPDL HPDL HPDL HPDL HPDL	756-58	Natu	ral Maple	.020 PVC .020 PVC .020 PVC .020 PVC .020 PVC .020 PVC .020 PVC .020 PVC .020 PVC	756-58	Natural M	laple	HPOL HPOL HPOL HPOL HPOL HPOL HPOL HPOL	756-58	Natural M	taple			

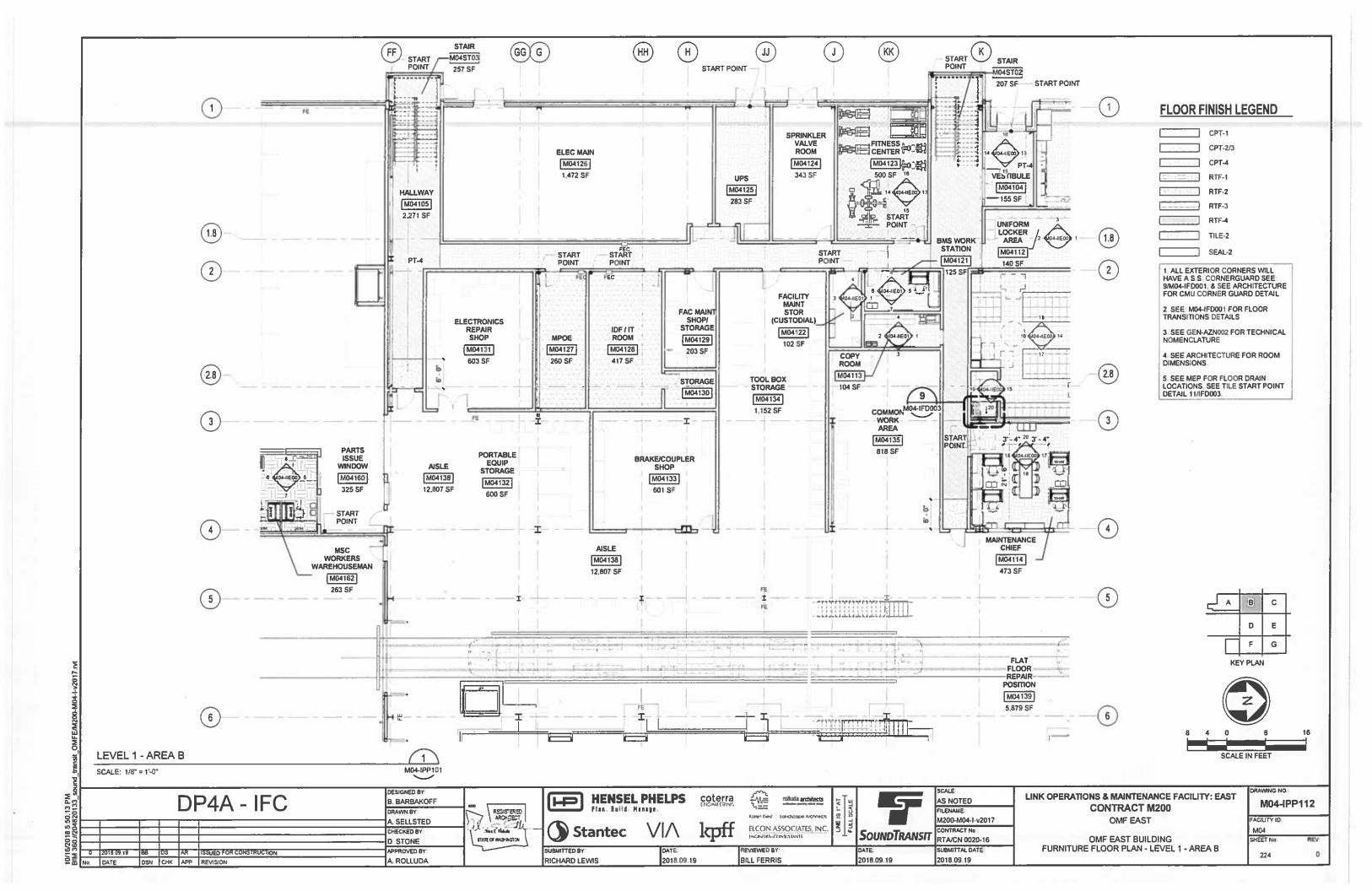


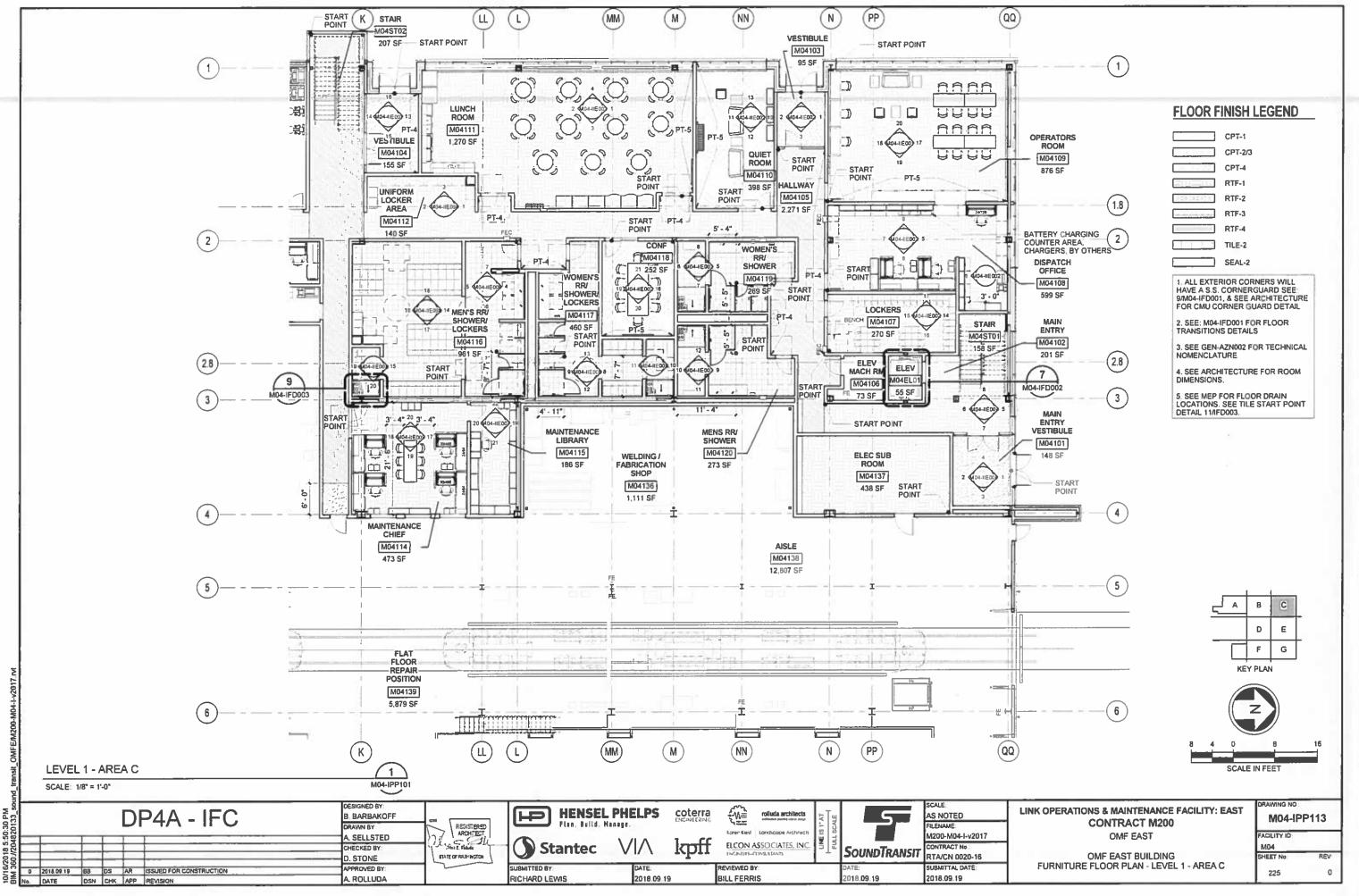
ROLLUDA please confirm that it is acceptable to install the top cabinets with the above wall cleat method, in lieu of standard in wall backing.

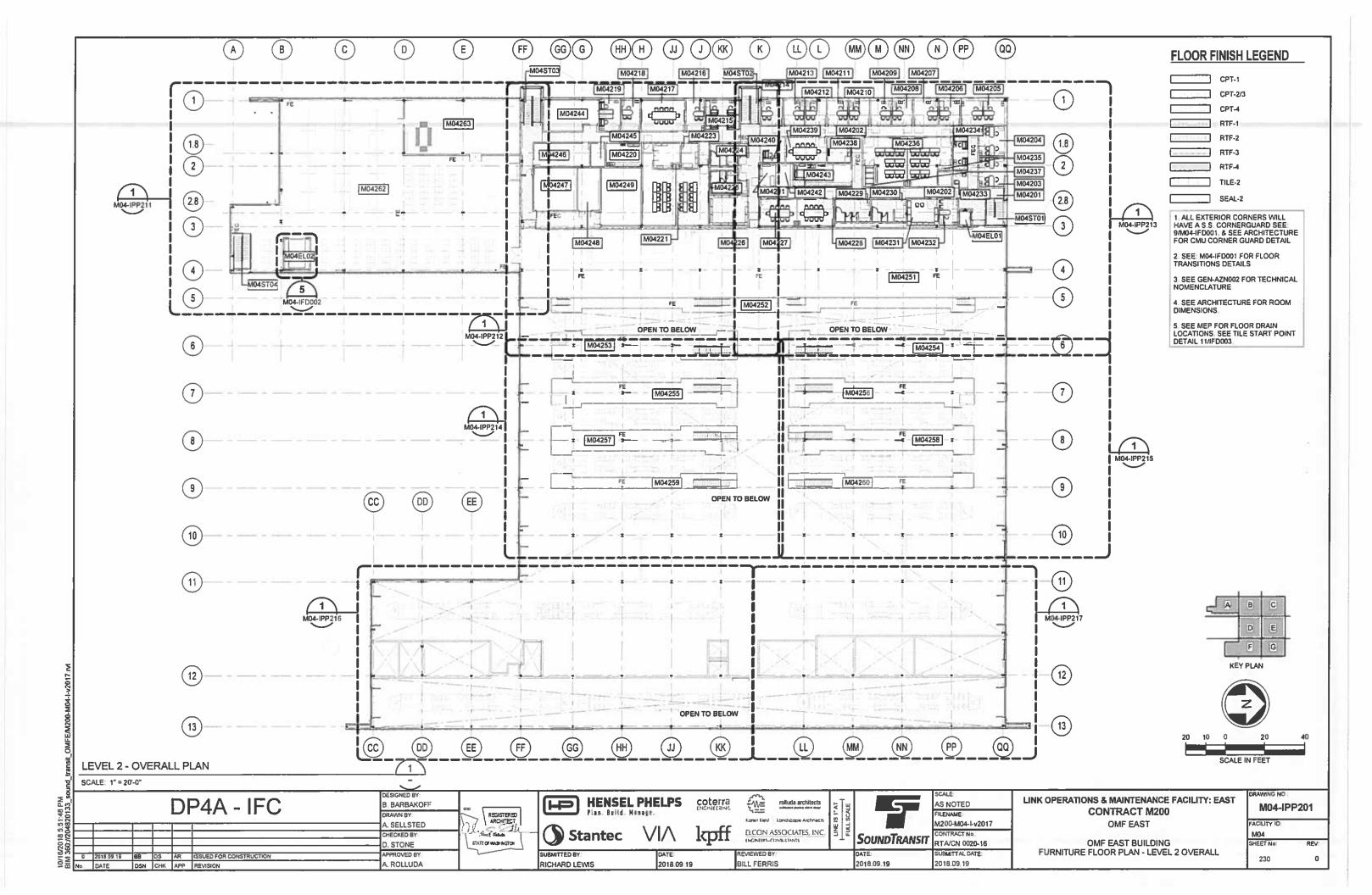
> This method is acceptable to us. We assume it will be constructed of mitered 45 degree 3/4" Plywood Confirmed - TAD- HP

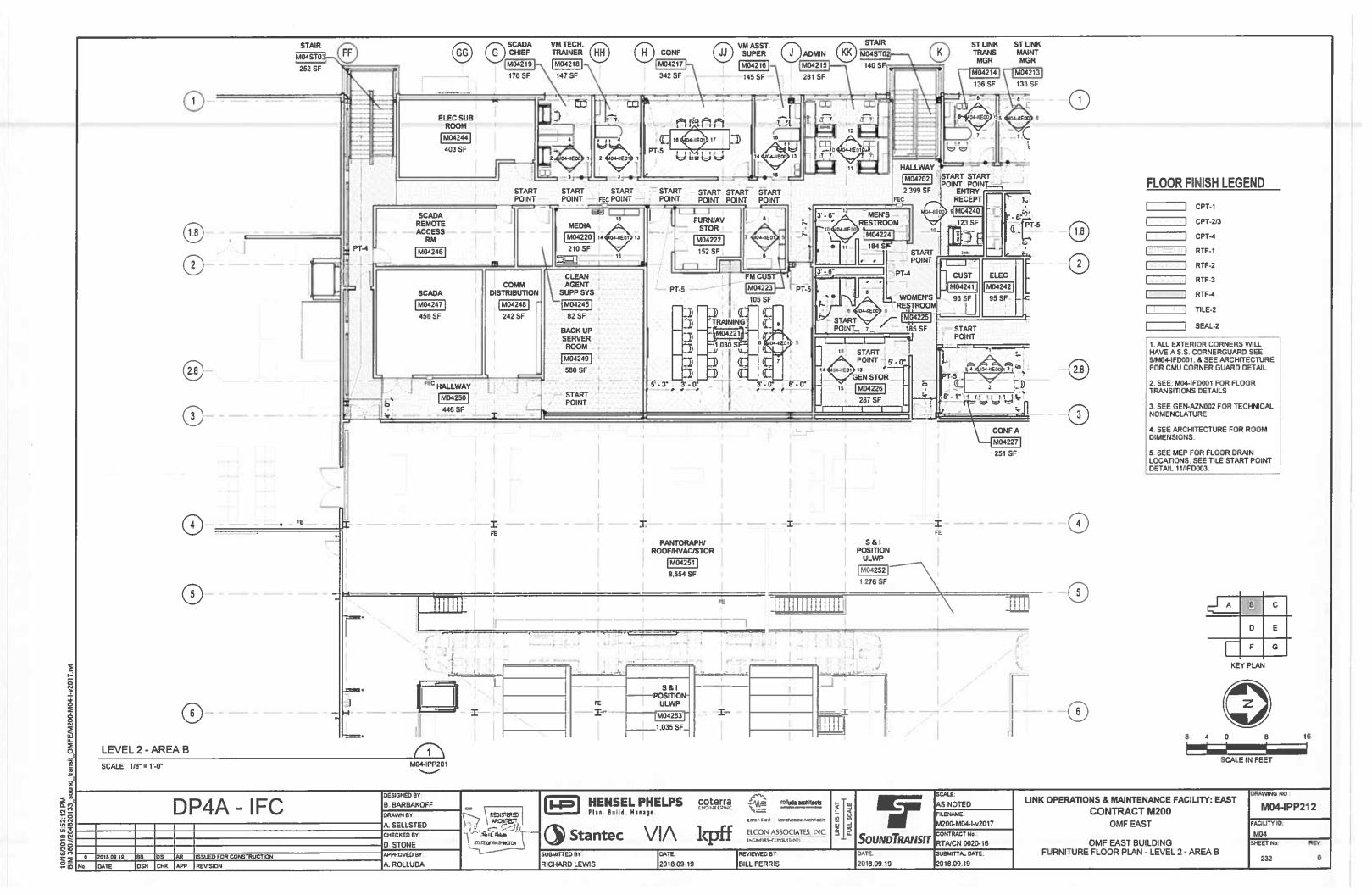


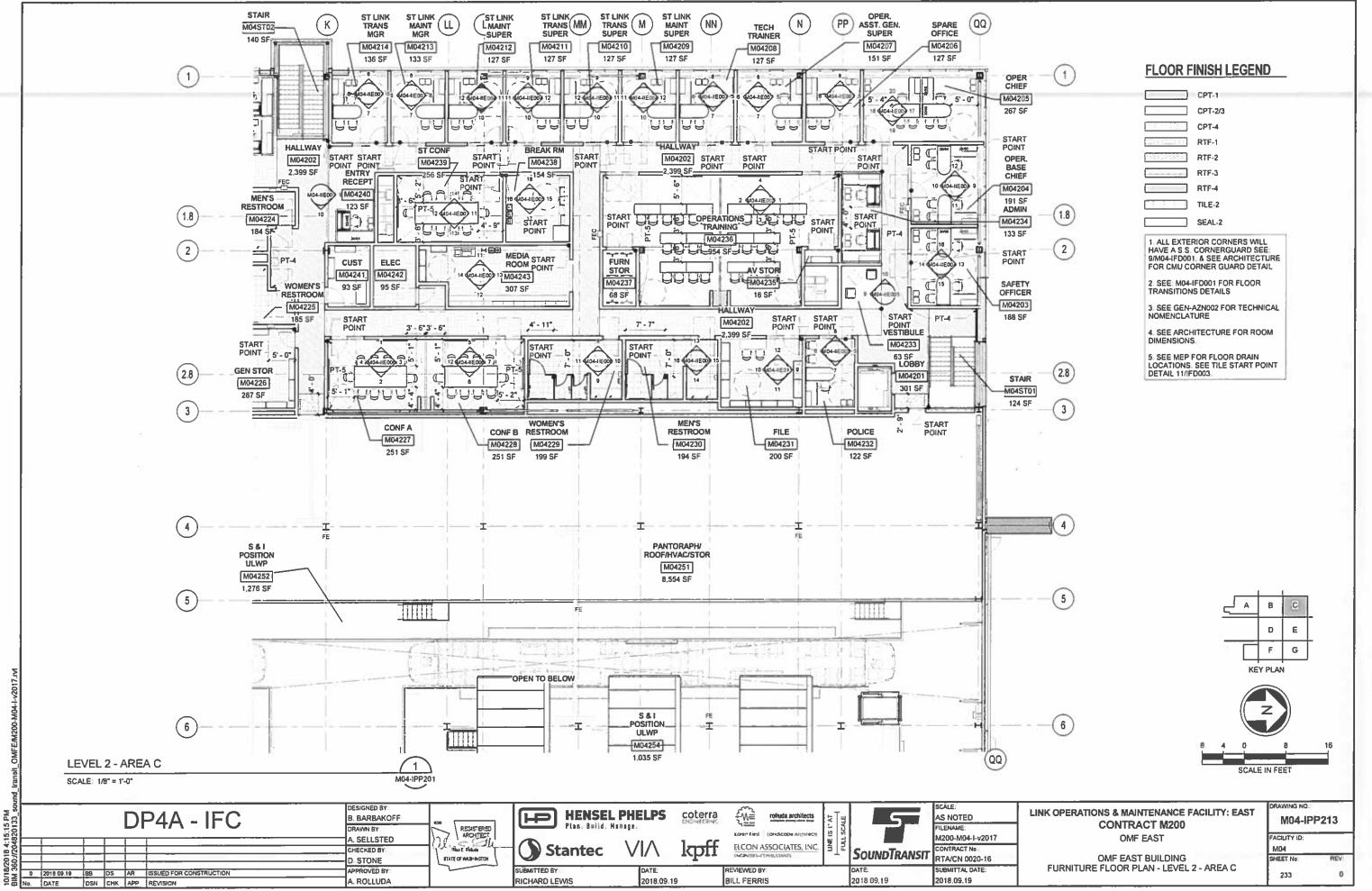


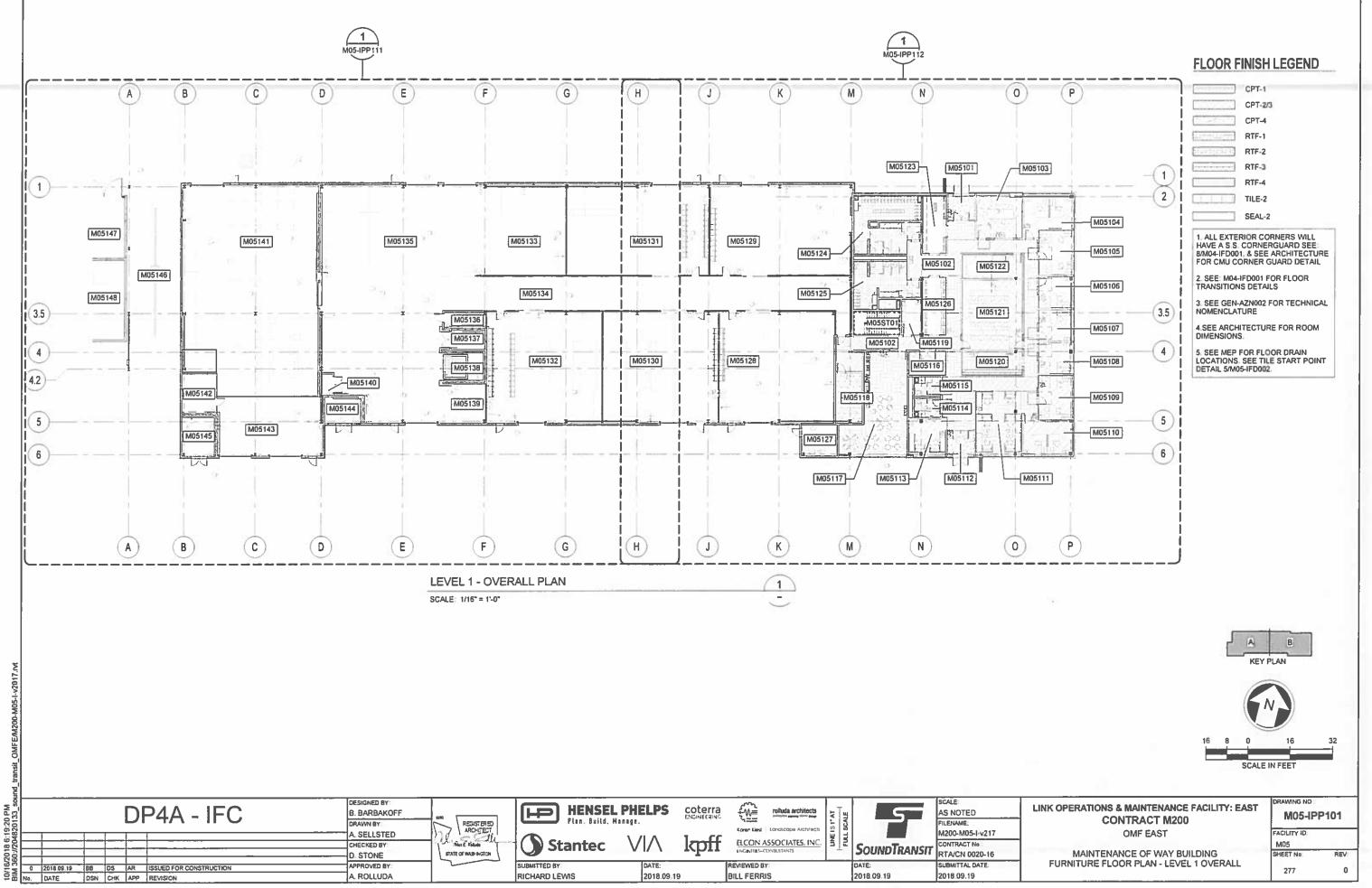






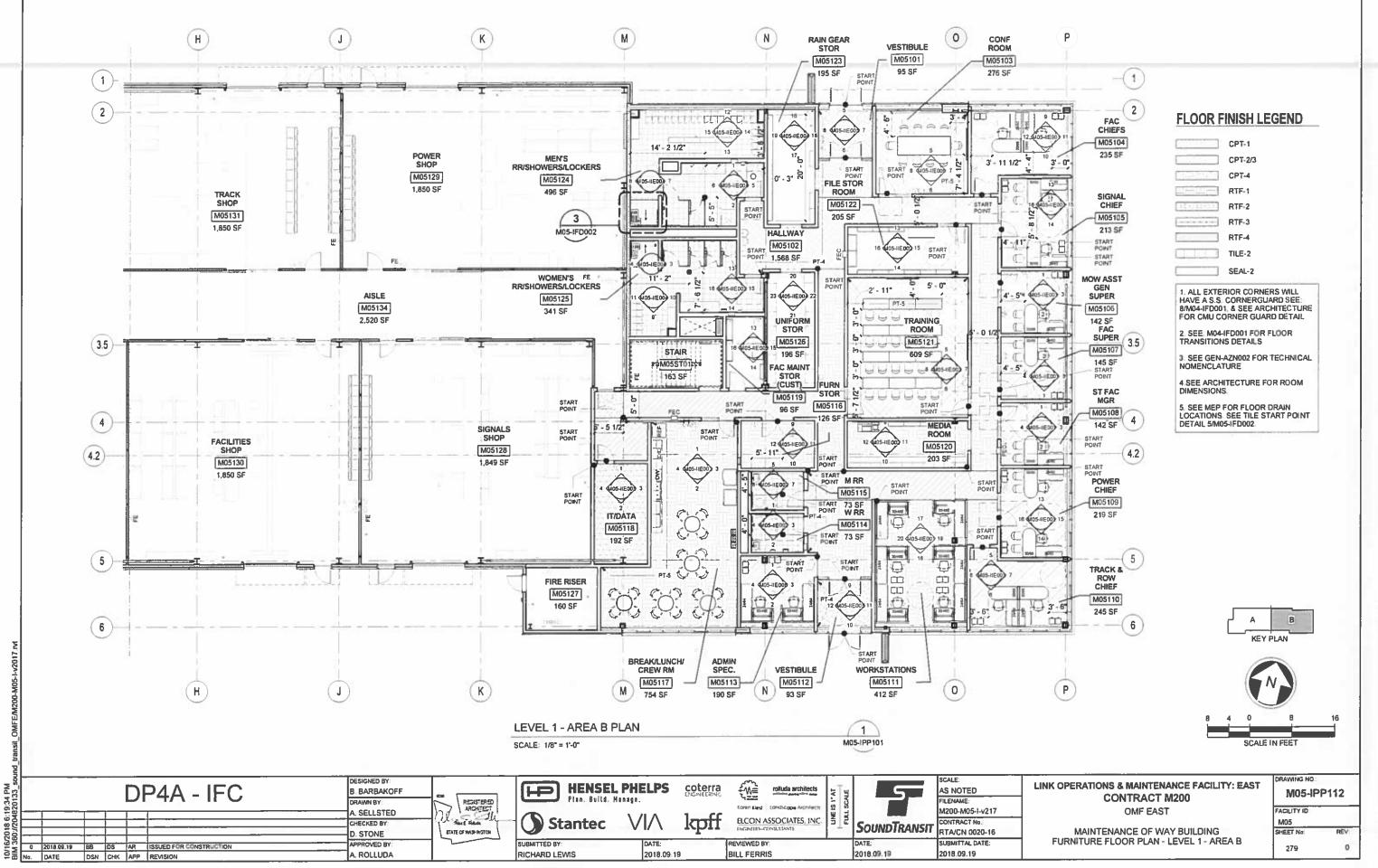


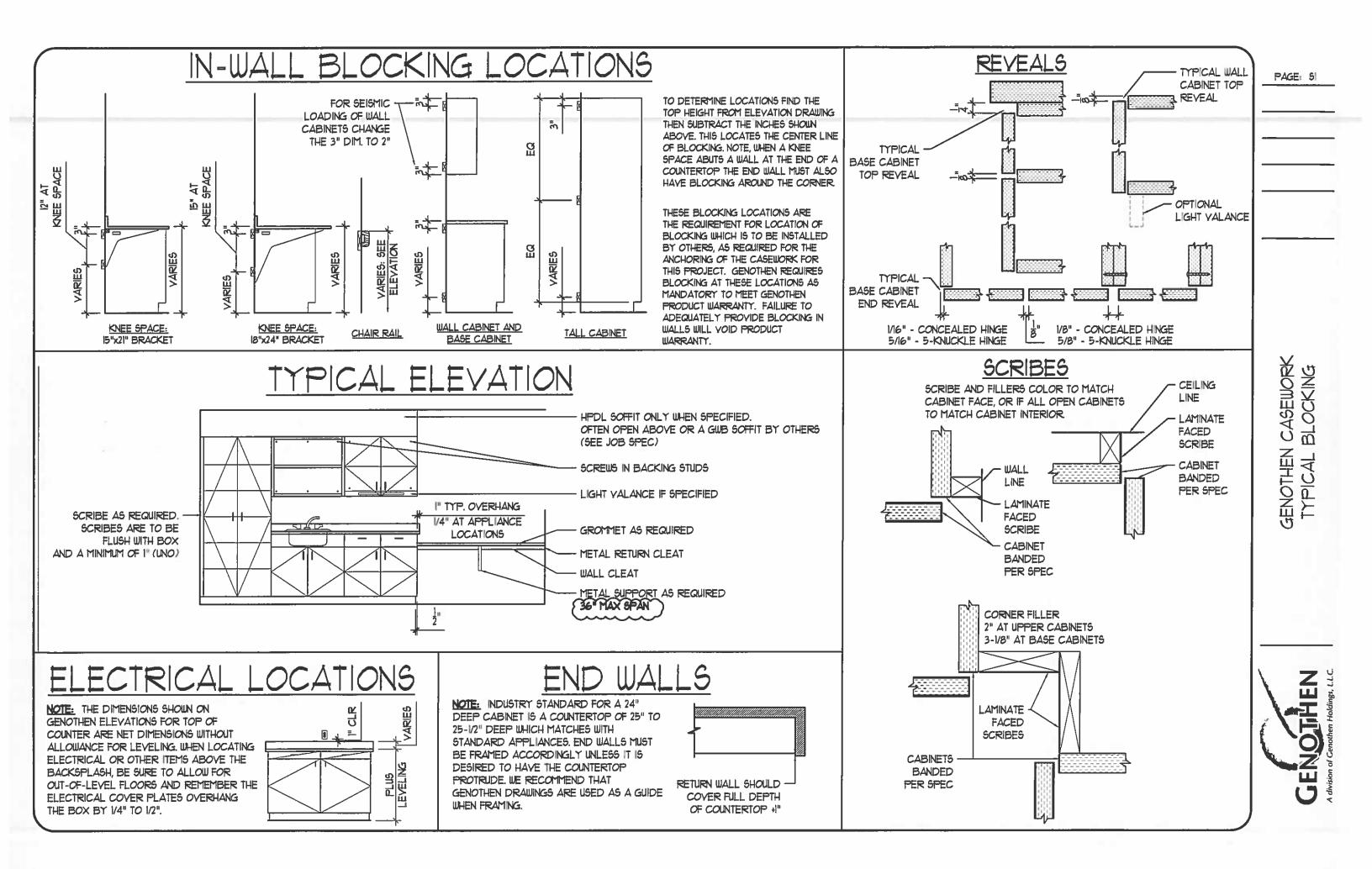


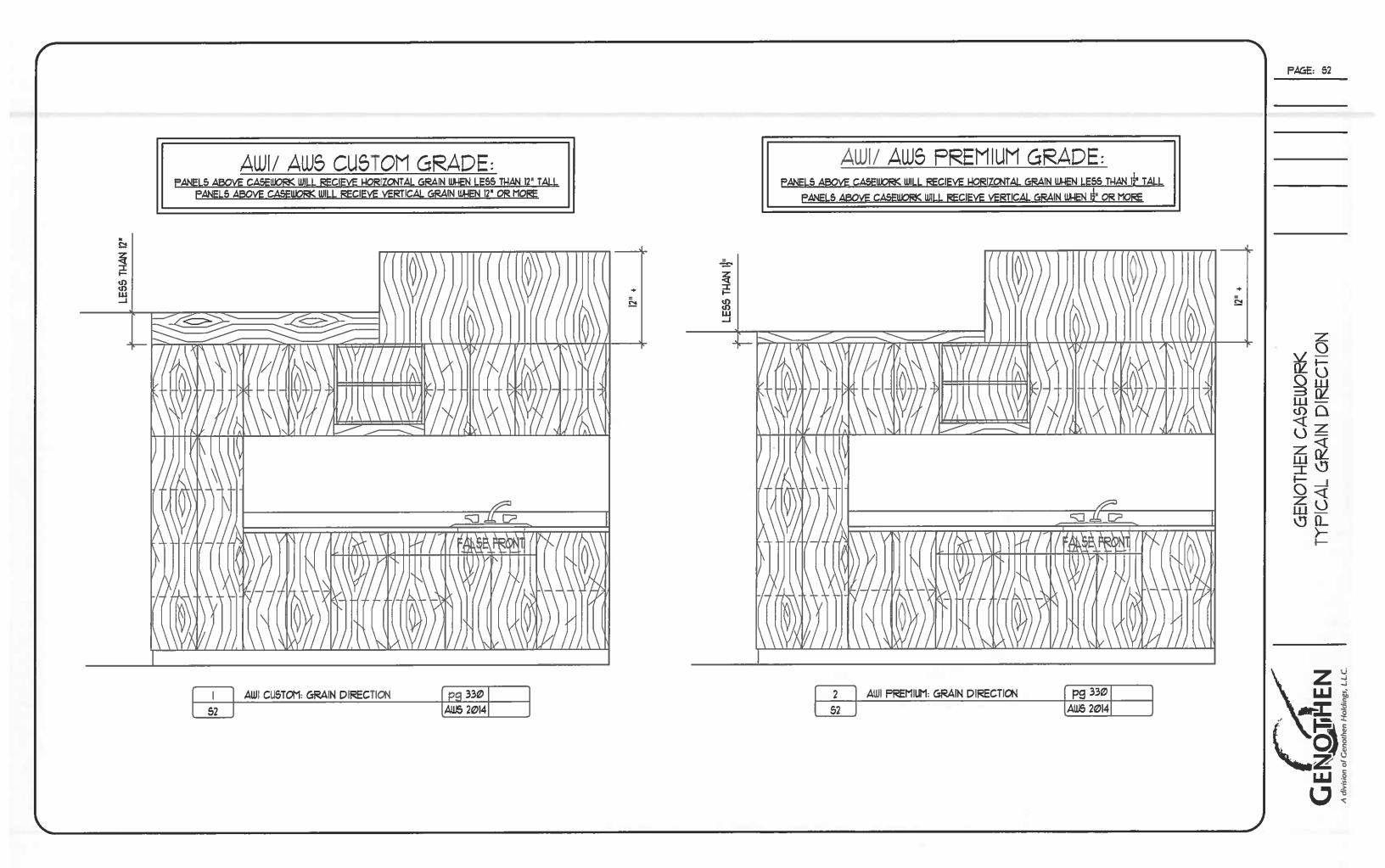


19:20 PN 820133

360



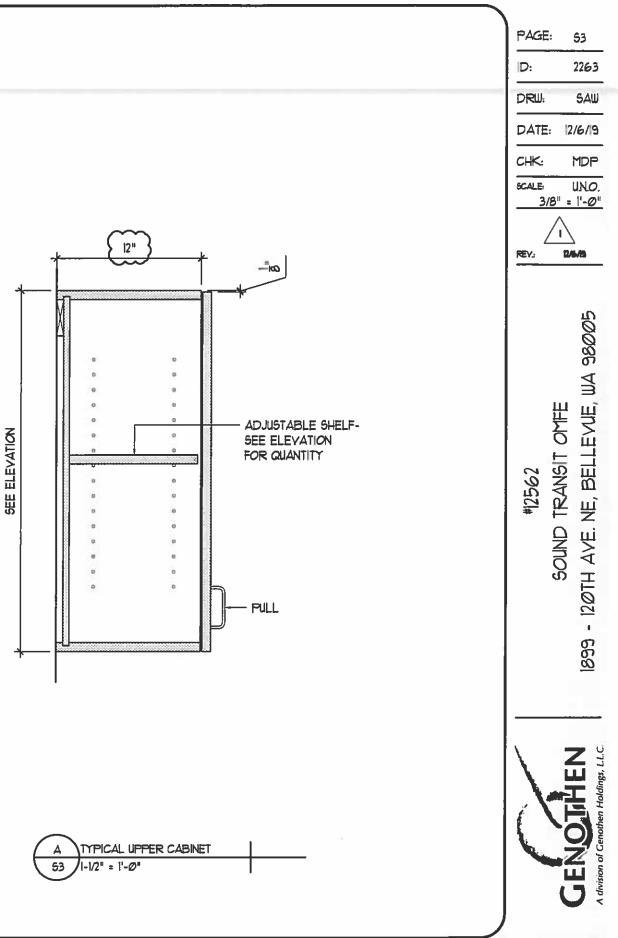


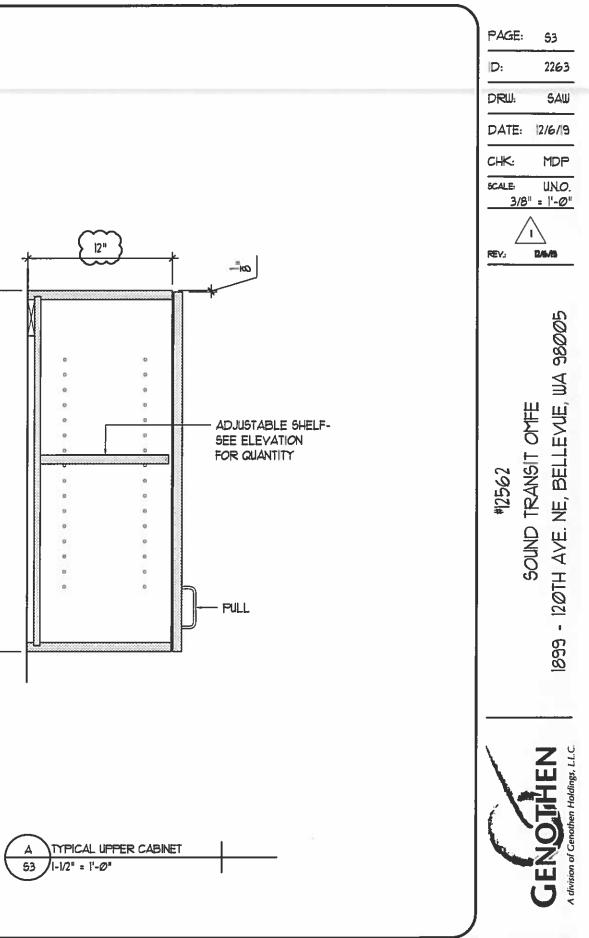


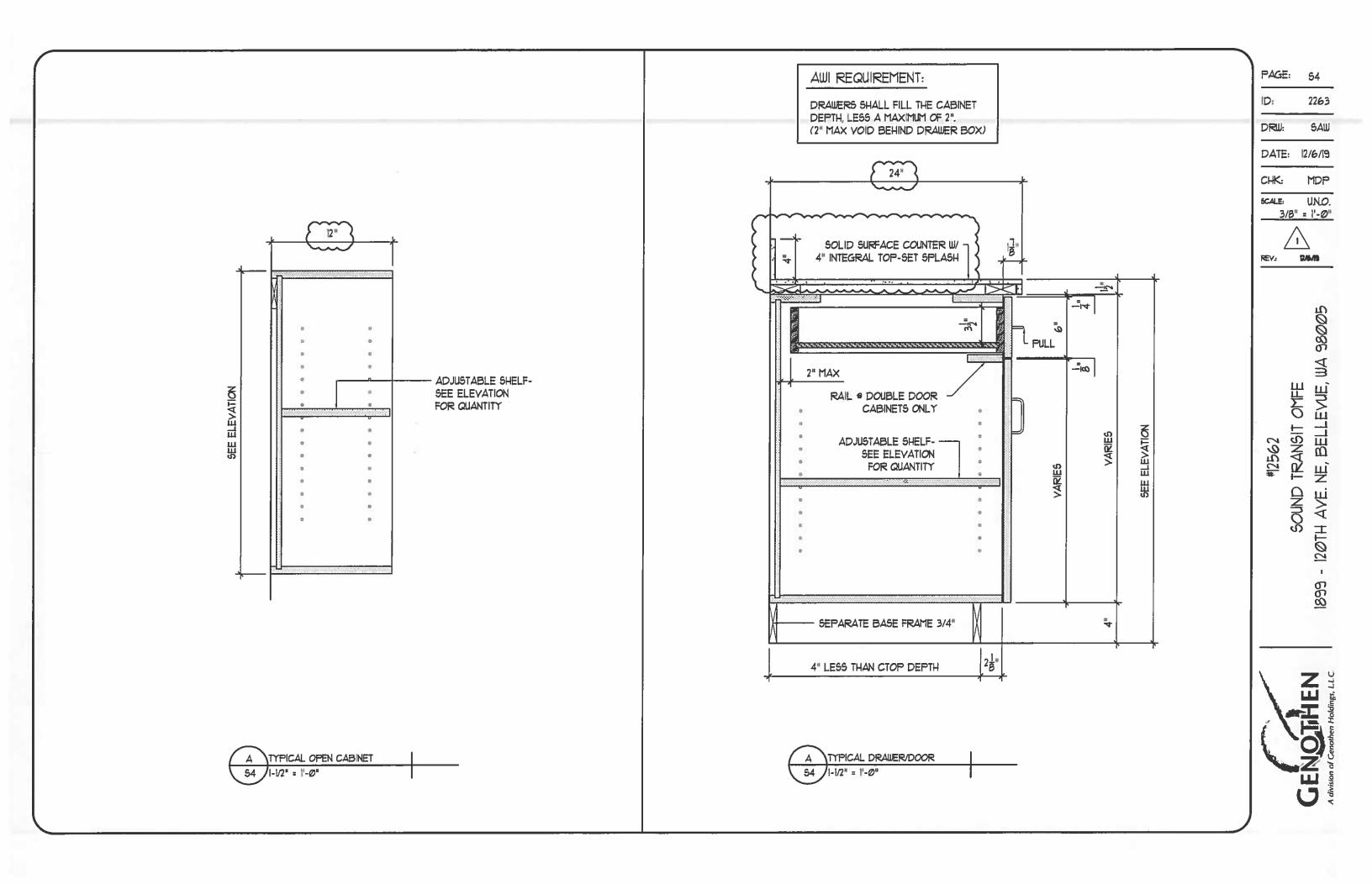
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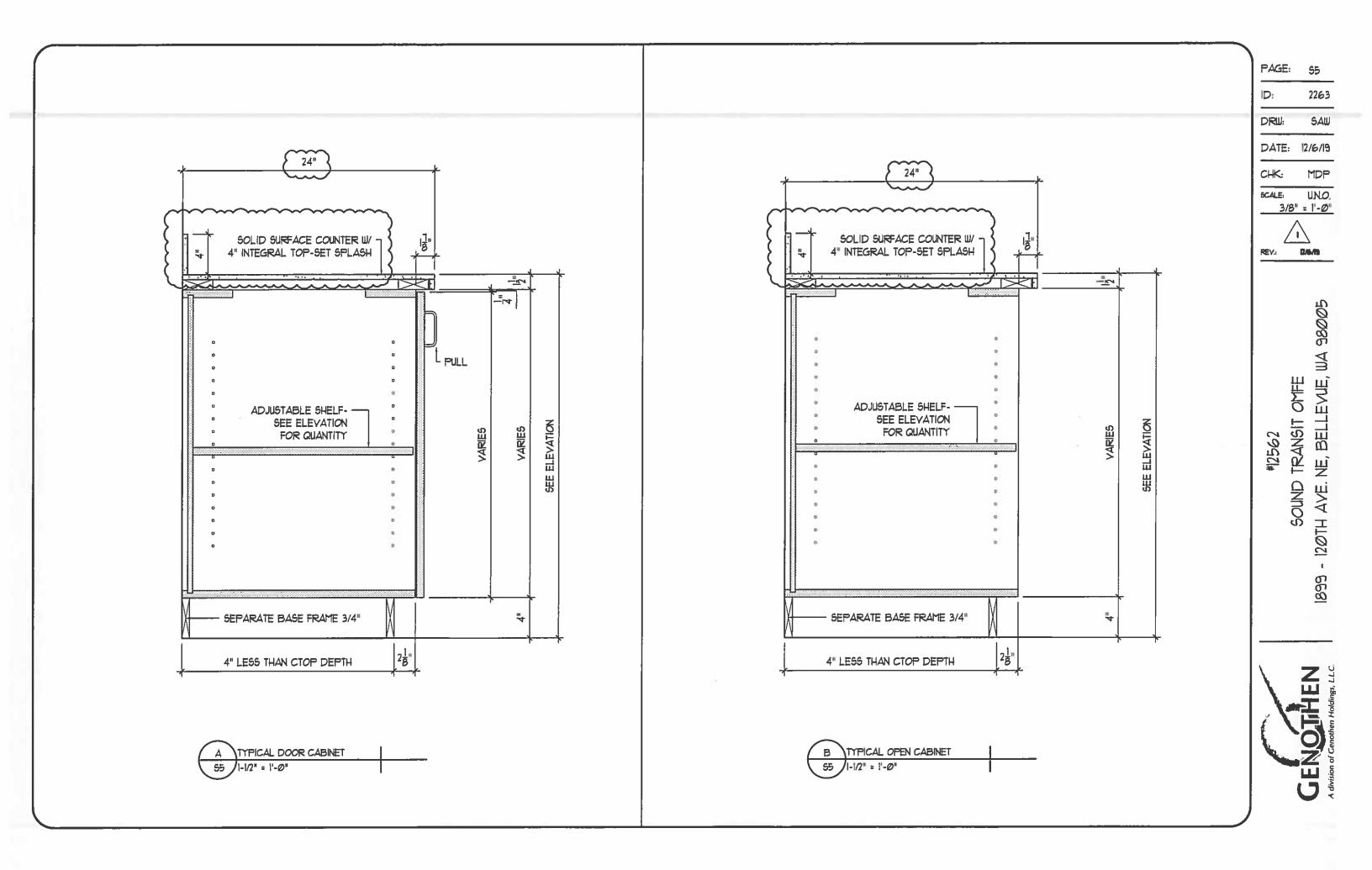
THIS IS A LIBRARY TO SHOW TYPICAL CONSTRUCTION ONLY. SOME OF THE DETAILS SHOUN MAY OR MAY NOT PERTAIN TO YOUR SPECIFIC PROJECT. SEE ADDITIONAL JOB SPECIFIC DETAILS SHOWN ON THE FOLLOWING ENCLOSED "D" SHEETS

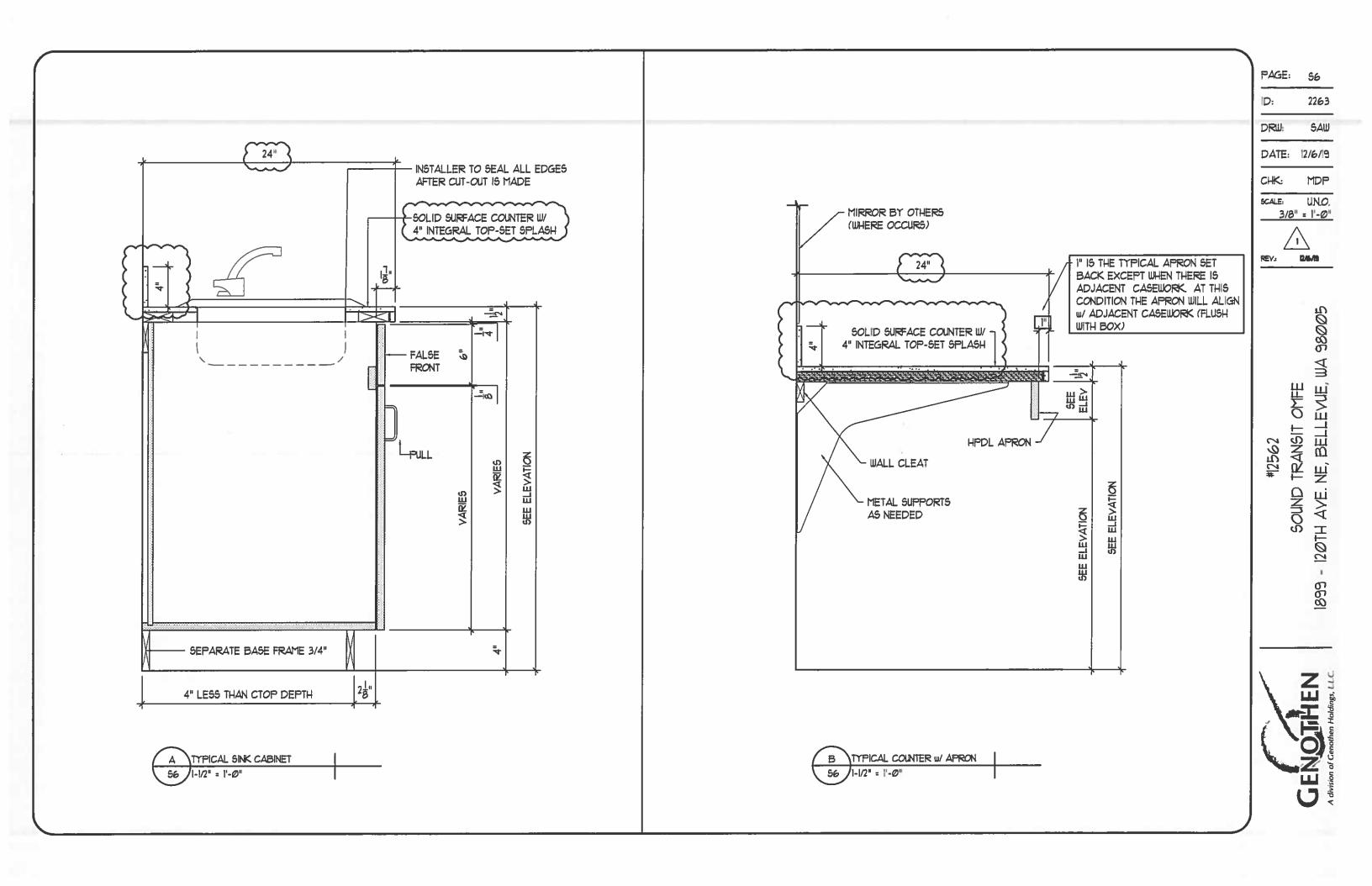
PLEASE NOTE THAT GENOTHEN'S TYPICAL DETAILS REPRESENT GENERAL CONSTRUCTION ONLY. REFER TO OUR "COVER SHEET" FOR MATERIALS THAT ARE SPECIFIC TO THIS PROJECT, I.E. EDGE BANDING, FINISH, COLOR, PRODUCTION NOTES, ETC.

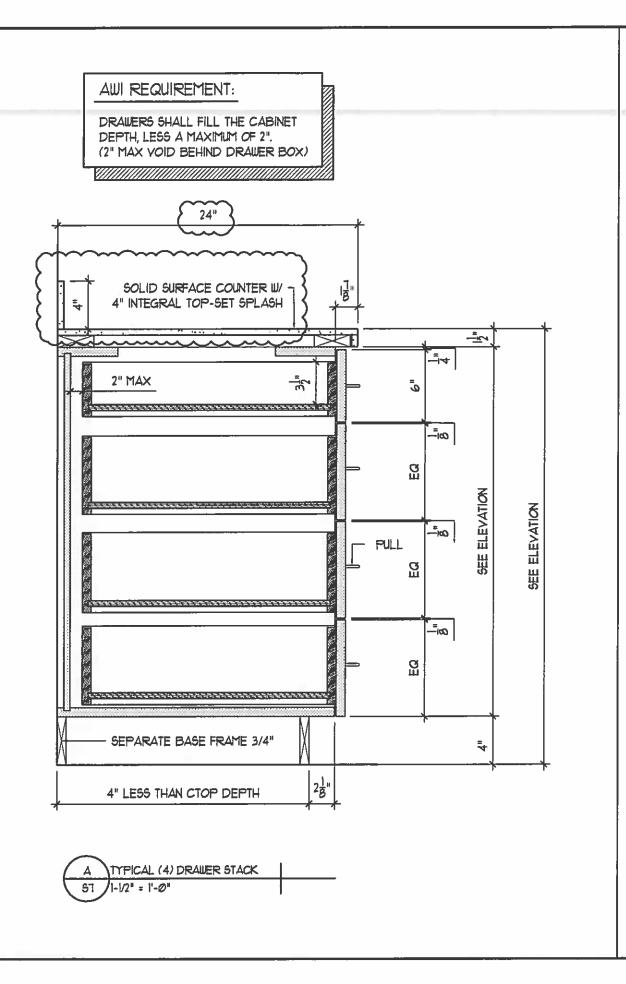


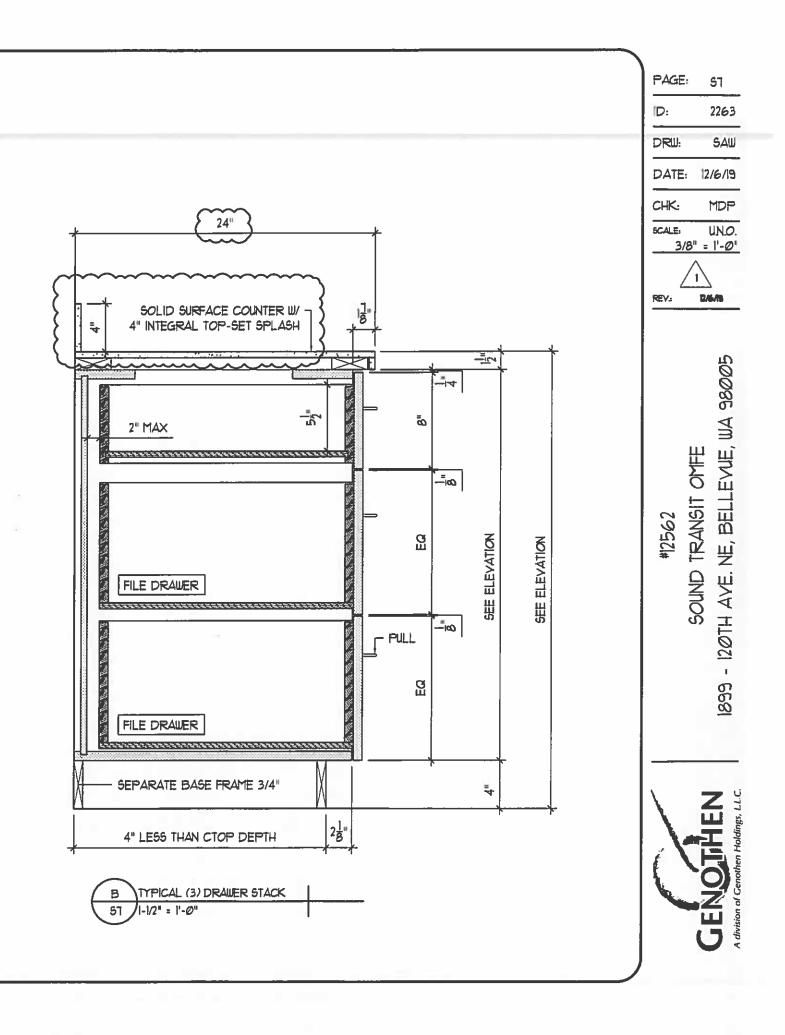


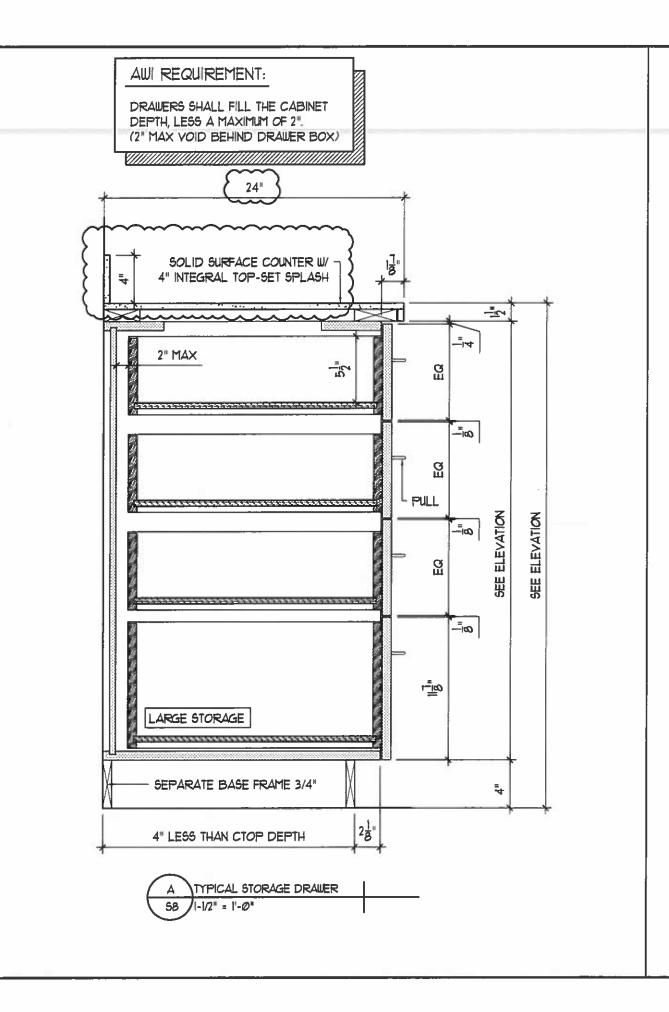


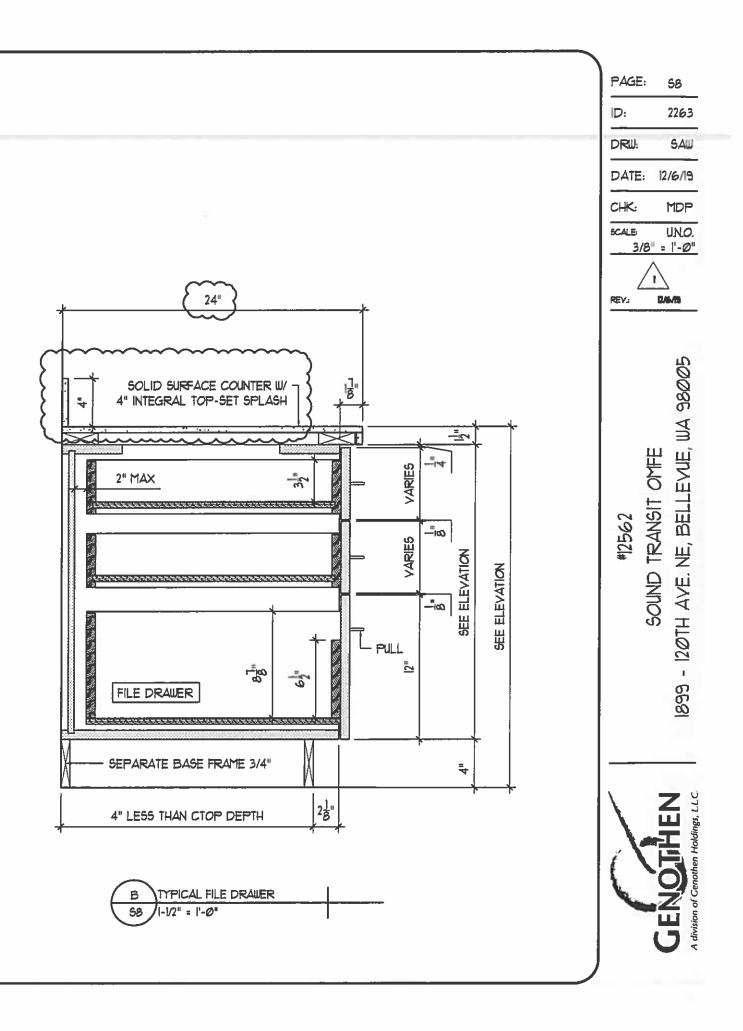










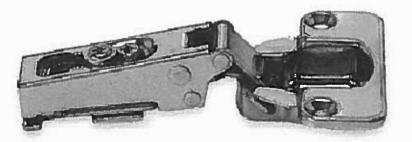


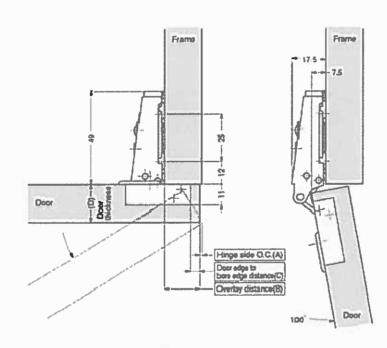
SUGATSUNE - STAINLESS STEEL CONCEALED HINGE MODEL #304B-19mm OVERLAY

Description:

Sugatsune's 304B 19 mm overlay concealed hinge are made from high quality 304 stainless steel. They feature a brilliant polished finish that is both durable and non-corrosive. This is ideal for outdoor and/or damp environments, as well as in food service applications. Self Close & Free swing options available

100° opening 19mm overlay (15-19mm) cup dia 35/bore depth 11mm Door thickness: 15-20mm Requires mounting plate 304b-p4a/32-3w for installation.





Door edge to bore edge distance (C) and Overlay distance (B) Tacks 1.

Door edge to bore o	dge distance (C)	3	4	5
Overlay distance (B	9	17	78	19
Il Hinge side oper	ning clearance cha	art		Tatolie 2
Door	Door edge to	bore ed	ge distamc	e (C)
thickness (D)	3	4		5
15	05	0.5		0.5
16	0.7	0.7		0.7
17	0.8	0.8		0.8
18	1.0	1.0		1.0
19	1.2	1.2		1.2
20	1,4	1,4		1,4
	Hing	e side 0.0	C. (A)	

All components are made of 304 stainless steel. Supplied with stainless steel screws.

Item No.	Type	Finish	Carton (pcs)
304B-48/19	Free Swinging	Polish	200
304B-C46/19	Selt-Closeng	Polish	200

鍧

SUGATSUNE

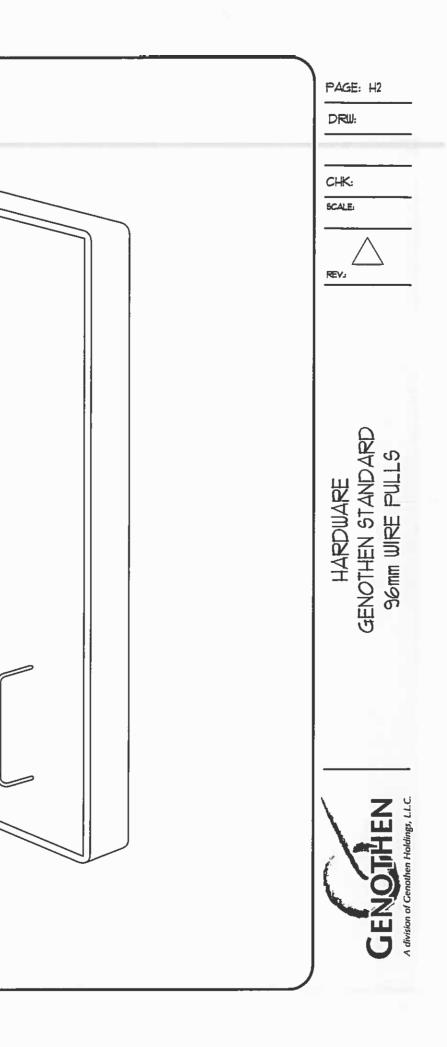
DRU CHK: scale	:	
HARDWARE	SUGATSUNE NONFERR	#304B-19 STAINLESS STEEL CONC
		A division of Genothen Holdings, LL.C.



GENOTHEN STANDARD WIRE PULL

LENGTH3-3OVERALL LENGTH4-1/FINISHSTADIAMETER5/10FINGER CLEARANCE1"PROJECTION1-5/

3-3/4", (96.0mmCENTER TO CENTER) 4-1/8" STAINLESS STEEL US32D 5/16" 1" 1-5/16"





ANSI/BHMA A156.9 GRADE 3

GENOTHEN STANDARD SHELF CLIP

DESCRIPTION: PIN TO FIT 5mm¢ HOLE SYSTEM MATERIAL: NICKEL

SHELF CLIP MEETS ALL STANDARDS AND SHELF LOAD REQUIREMENTS PER AWS EDITION 1, SECTION 10, 4.4.8.8.





COMPLIANT WITH ANSI/BHMA

A156.9 GRADE 1HD-100

ACCEPTED

HETTICH - FULL EXTENSION BALL BEARING SLIDE



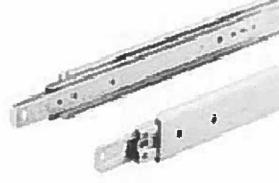
QUESTIONS:

1. ARE THESE GLIDES CONSIDERED -The drawer guide submitted by Genothe

2. IS CHROMATED STEEL THE SAME , Chromated Steel is actually Zinc Plated S added protection to the steel making it m corrosion.

3. DOES THE 100 LBS. LOAD CAPACIT REQUIREMENTS FOR DRAWER GLIDE The 100lb load capacity exceeds the spe

4. IS THIS SIDE CLEARANCE AN INDU -The side clearance for drawer guides no of guide.



Description:

-1" Over extension ball bearing slide

-Telescopic precision full extension slide with pull-out stop and roll-out prevention.

-Load capacity 100 lbs

-For drawer lengths 10" to 28"

-Chromated steel

-Smooth action and high lateral stability due to precision ball bearings

-Drawer can be unlatched from the runner, making the drawer easy to remove and re-install.

-Minimum side clearance is 1/2" + 1/32" on left and right side

Hettich INTERNATIONAL	PAGE: H4 DRUU: CHK: 5CALE:
AS ZINC PLATED STEEL, PER SPEC? Steel with a chromate finish. This gives hore durable and more resistant to	LIDE
ES? ecified requirements of this project. USTRY STANDARD AMOUNT? oted is the industry standard for this type	HARDWARE Hettich Ø5632 Series Drawer Guit
	Genothen Holdings, L.L.C.





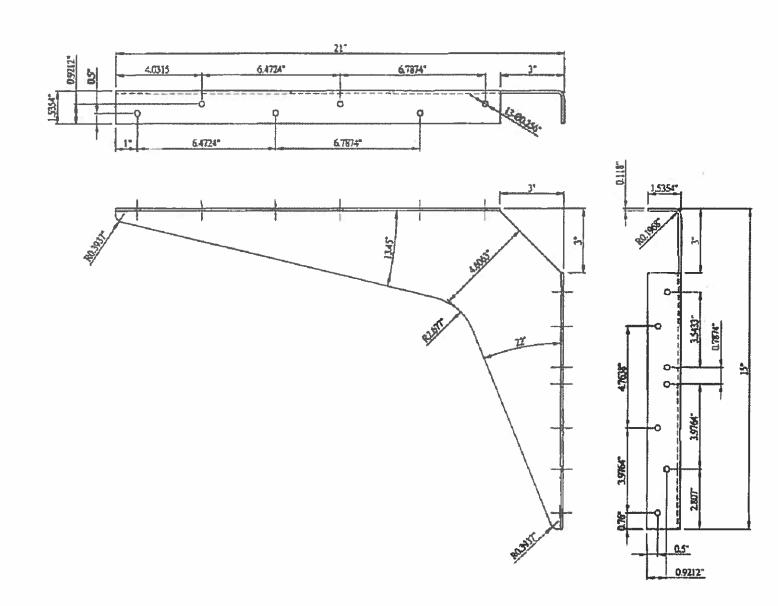
METAL SUPPORT

1/8" STEEL - VERY STRONG - EXCEEDS 1,000LBS LOAD LIMIT 1 1/2" FORMS WITH MULTIPLE 1/4" MOUNTING HOLES PER SIDE

THE 15" x 21" BRACKET HAS A 3" x 3" - 45" NOTCH THAT ALLOWS FOR WALL CLEAT AND WIRE RUN CLEARANCE.

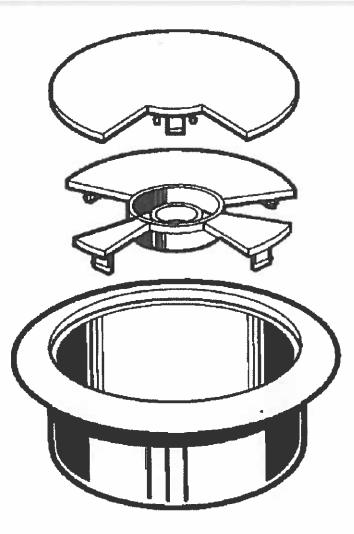
STD TEXTURED POWDER COAT FINISHES: (BLACK, WHITE, GRAY, ALMOND ALSO PRE-PRIMERED FINISH FOR YOUR PAINT.

BRACKETS ARE REVERSIBLE



SIZE: 15" x 21"

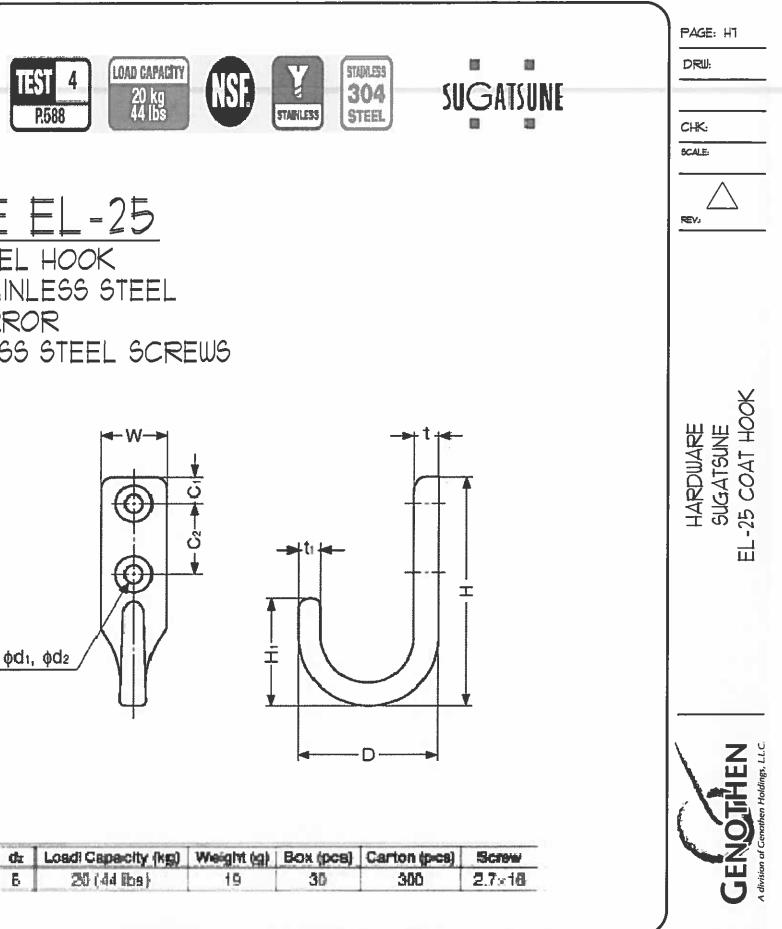
PAGE: H5 DRW: CHK: SCALE: REV:
HARDWARE GENOTHEN STANDARD METAL SUPPORT
GENOTHEN Advision of Genothen Holdings, LLC.



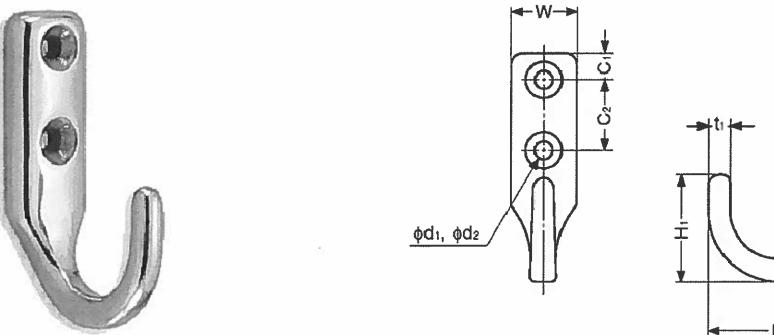
60MM CABLE GROMMET

MULTI-OPENING FINE PEBBLE TEXTURED FINISH <u>BLACK</u>

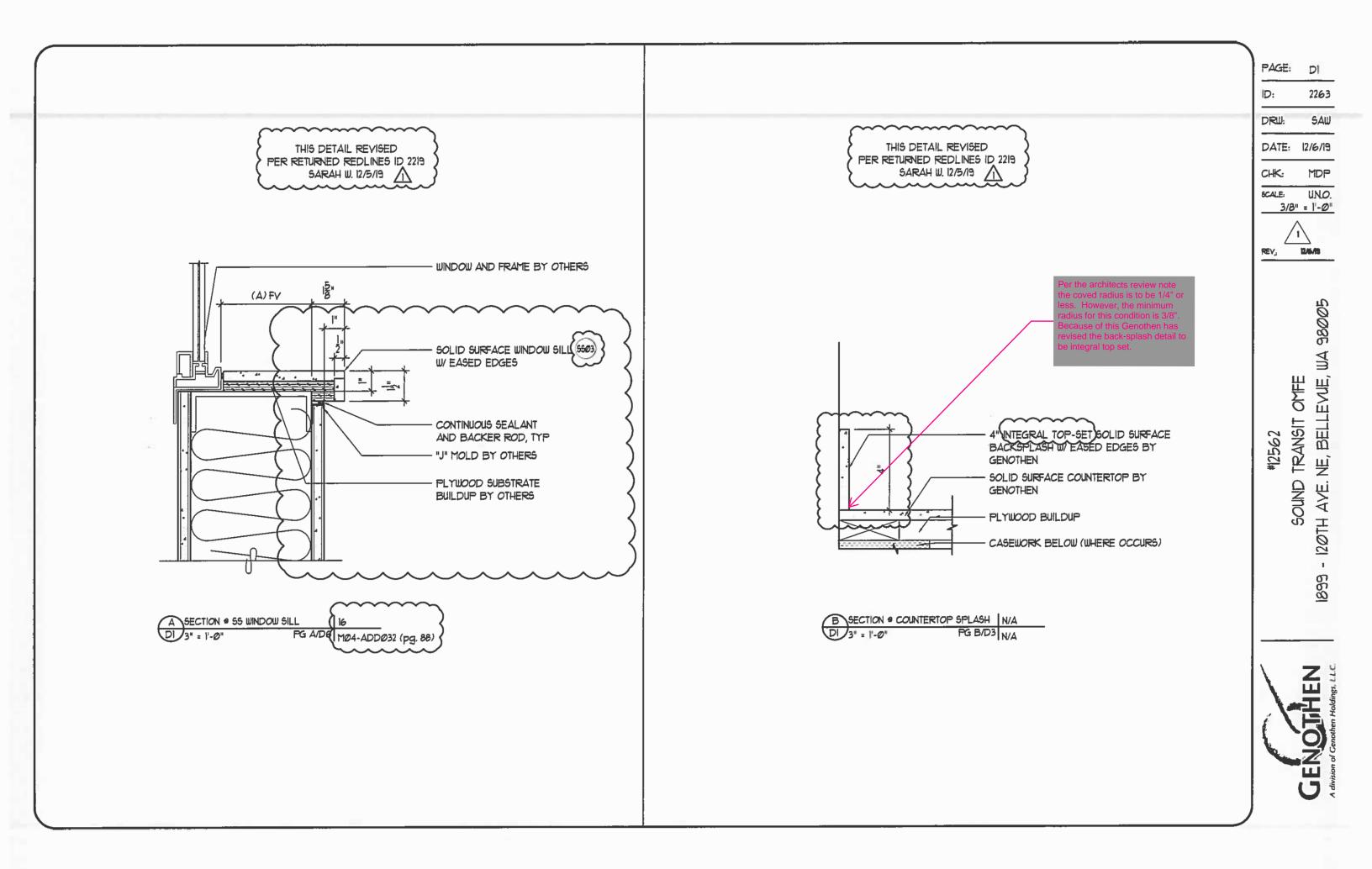
PAGE: H6 DRU: CHK: SCALE: REV. HARDWARE GENOTHEN STANDARD CORD GROMMET

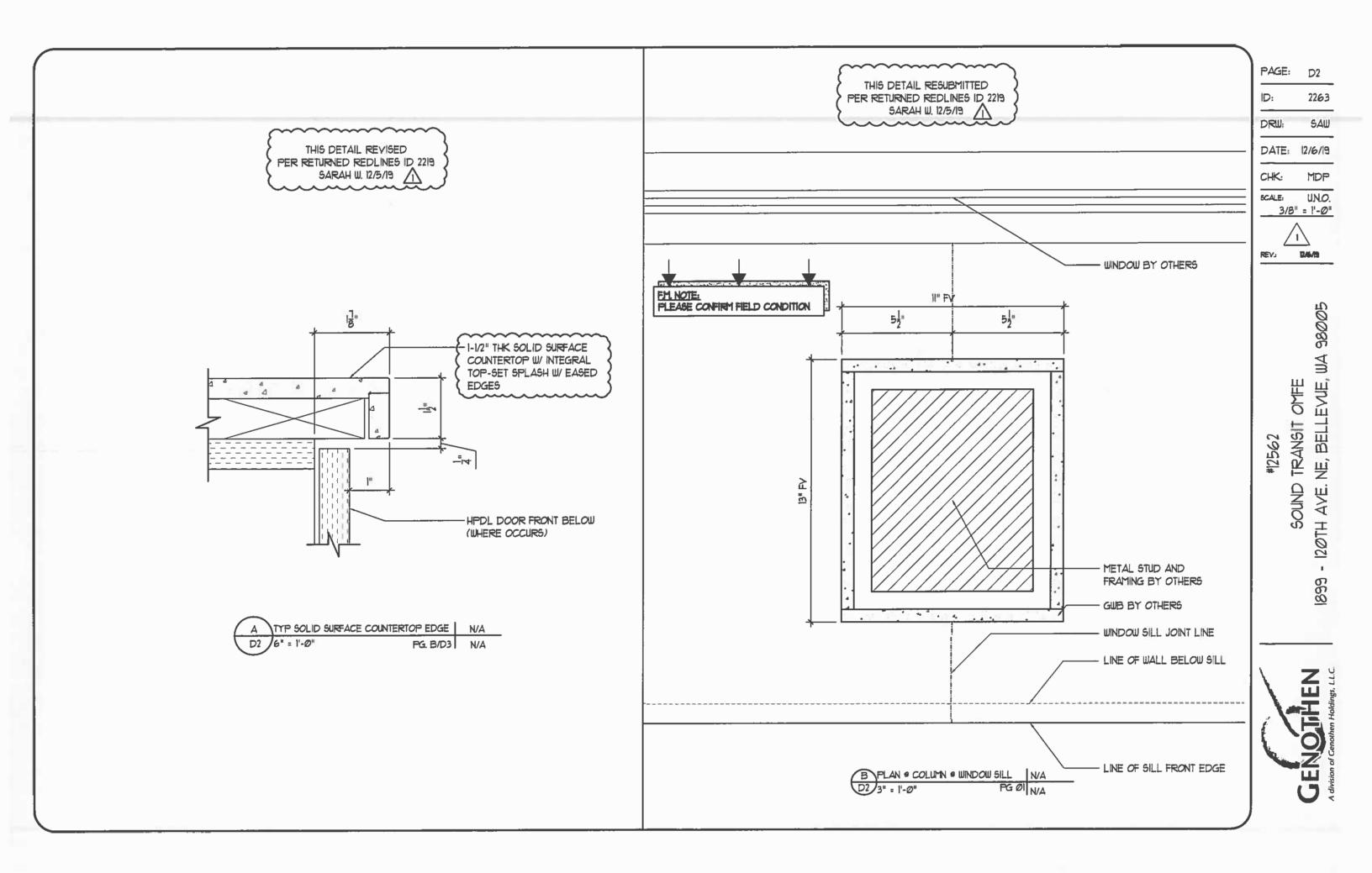


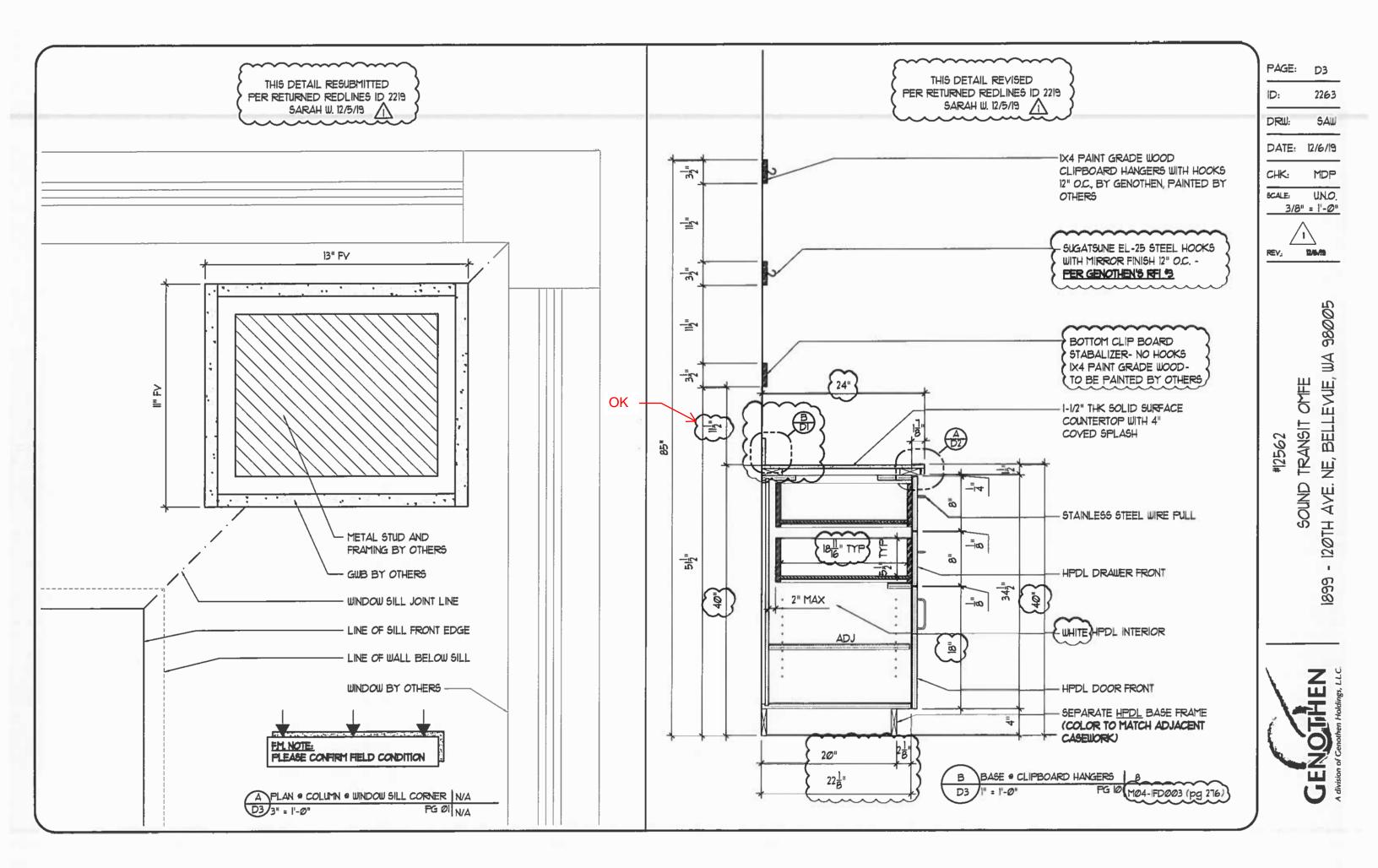
SUGATSUNE EL - 25 STAINLESS STEEL HOOK MATERIAL: 304 STAINLESS STEEL FINISH: MIRROR SUPPLIED WITH STAINLESS STEEL SCREWS

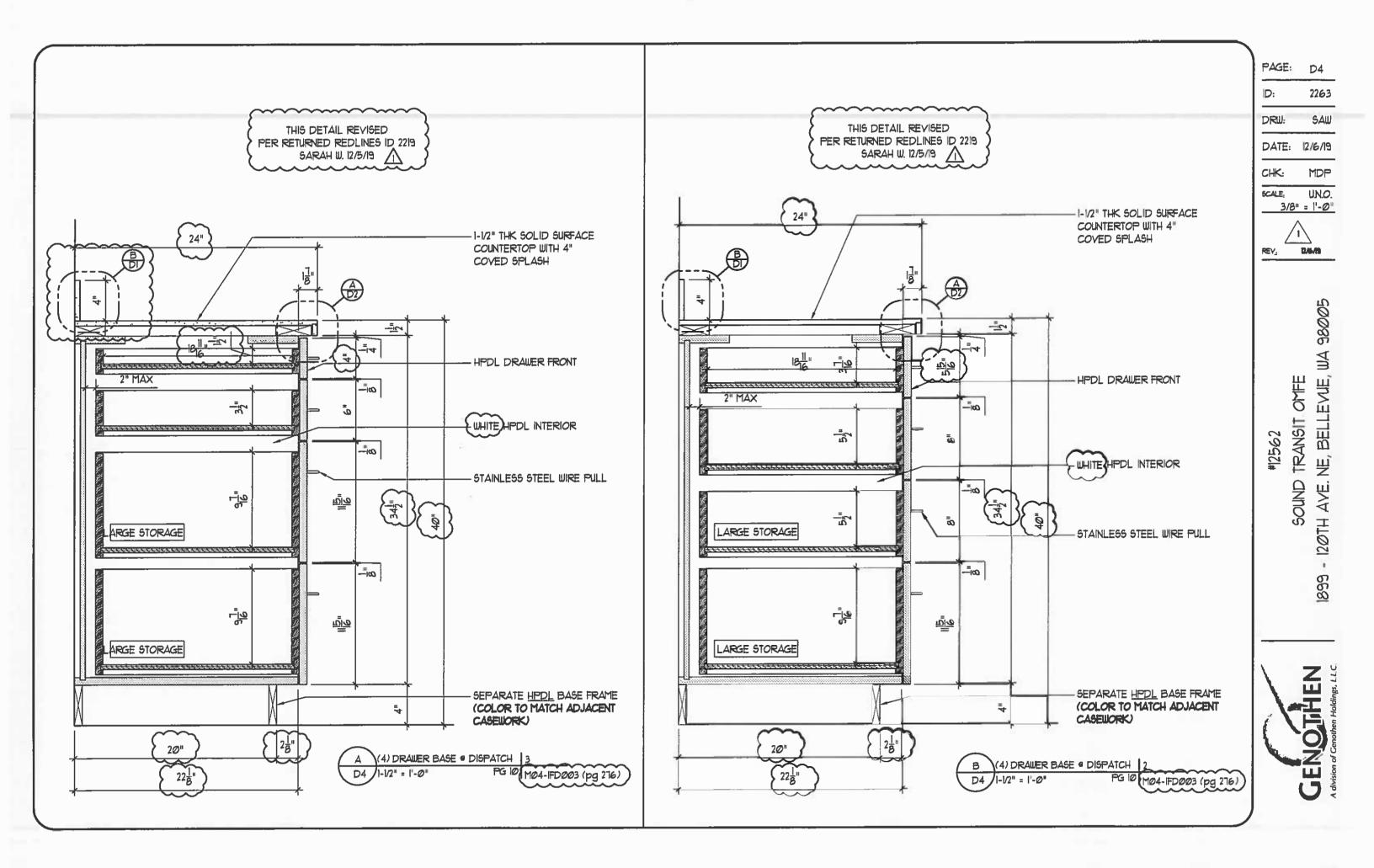


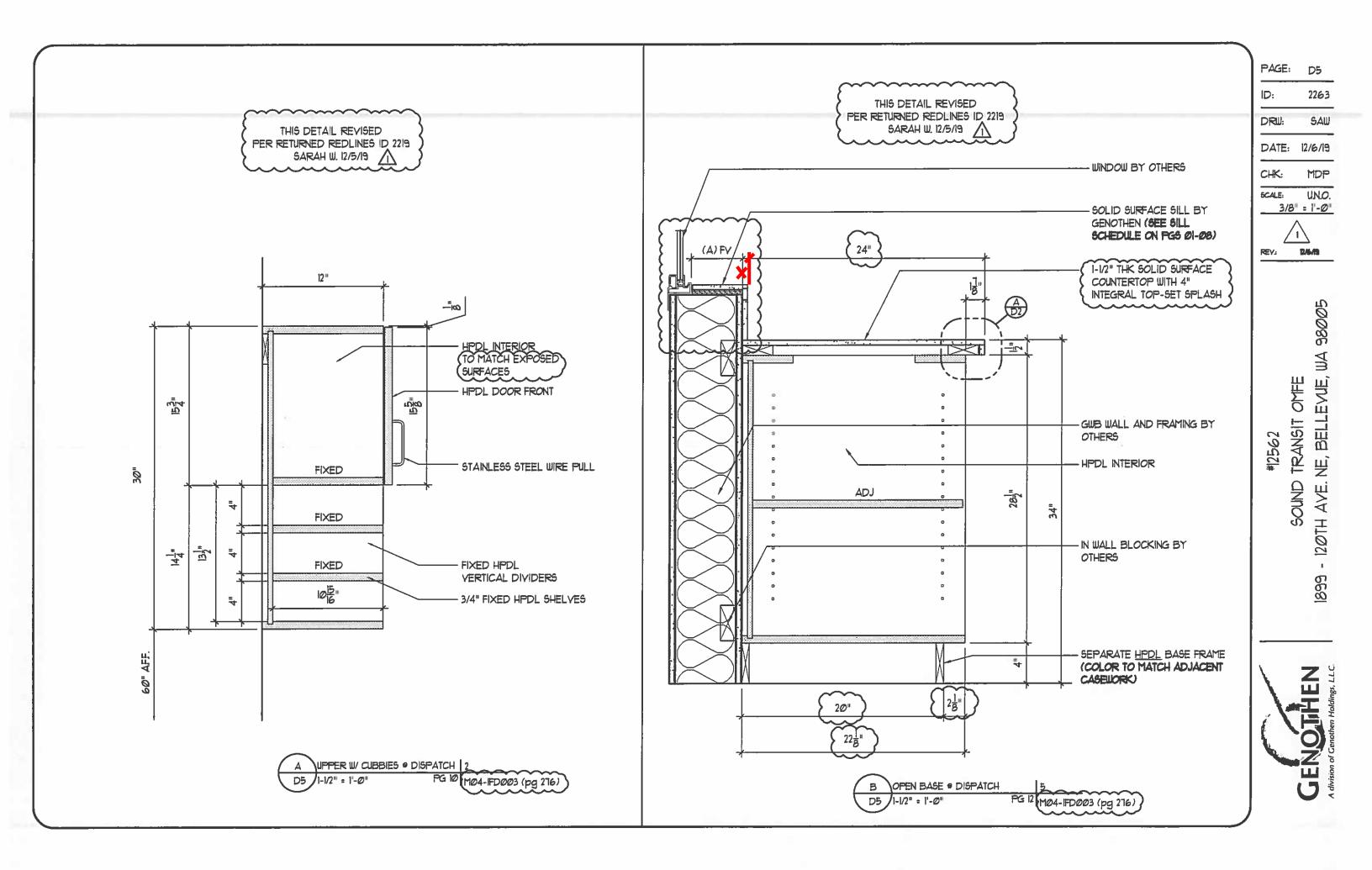
item No.	Ö	H	H	t	te.	W	Cr	C:	d,	dz	Loadi Capacity (kg)	Weight (g)	Box (pcs)	Ca
ËL-25	26 (1-1/32")	40 (1-37/64*)	19	5.5	A	12	12	5	3	Б	20 (44 lbs)	19	30	

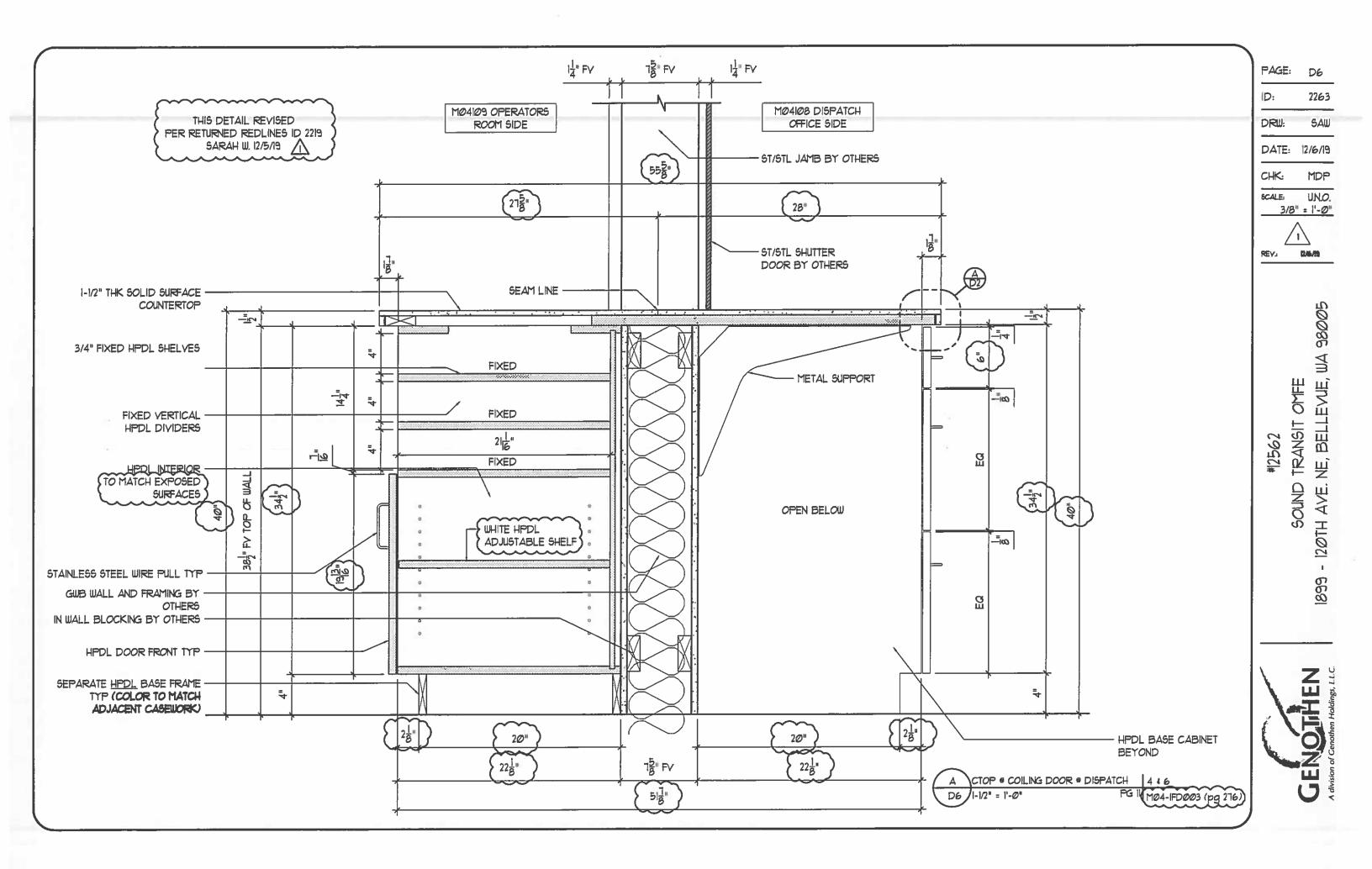


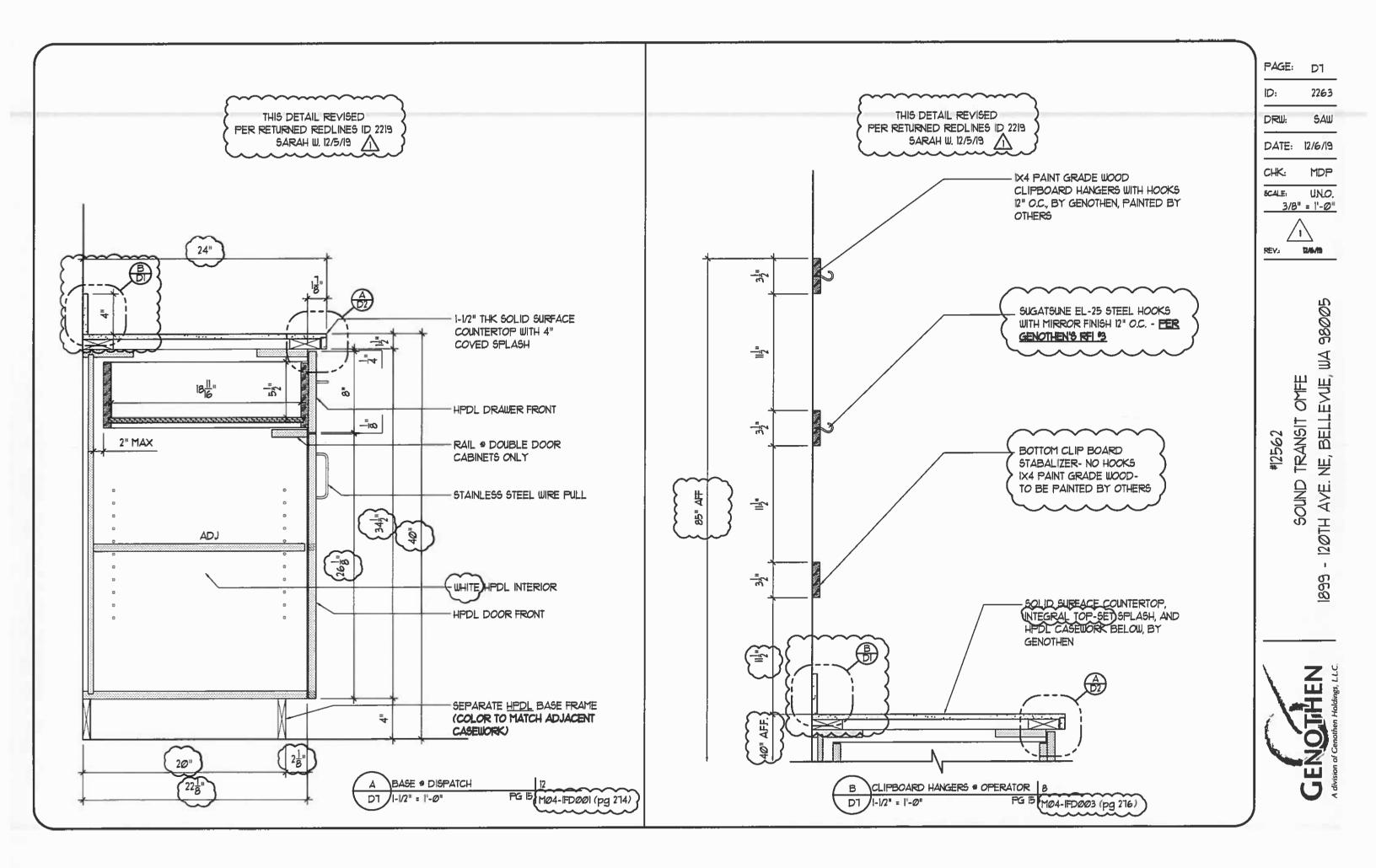




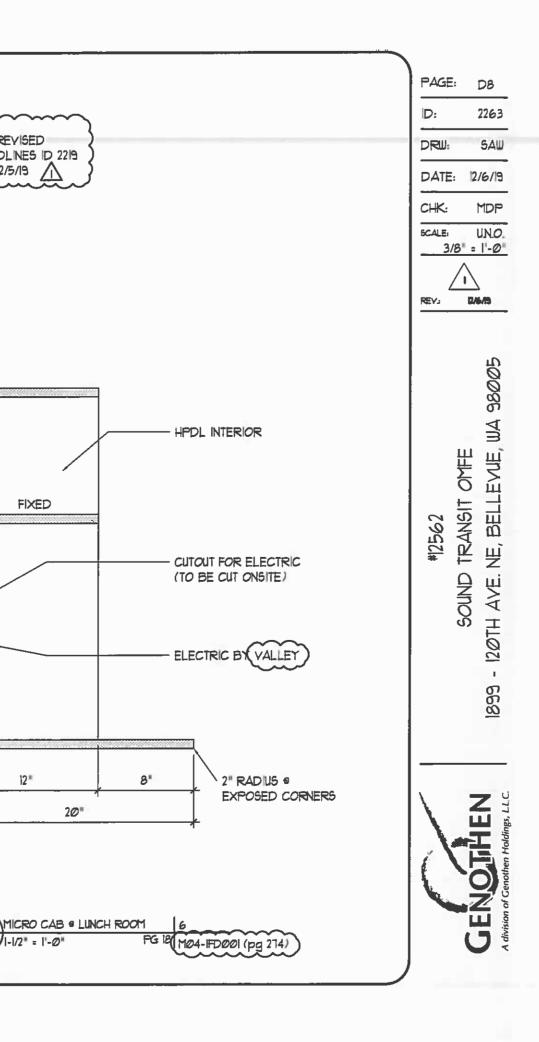








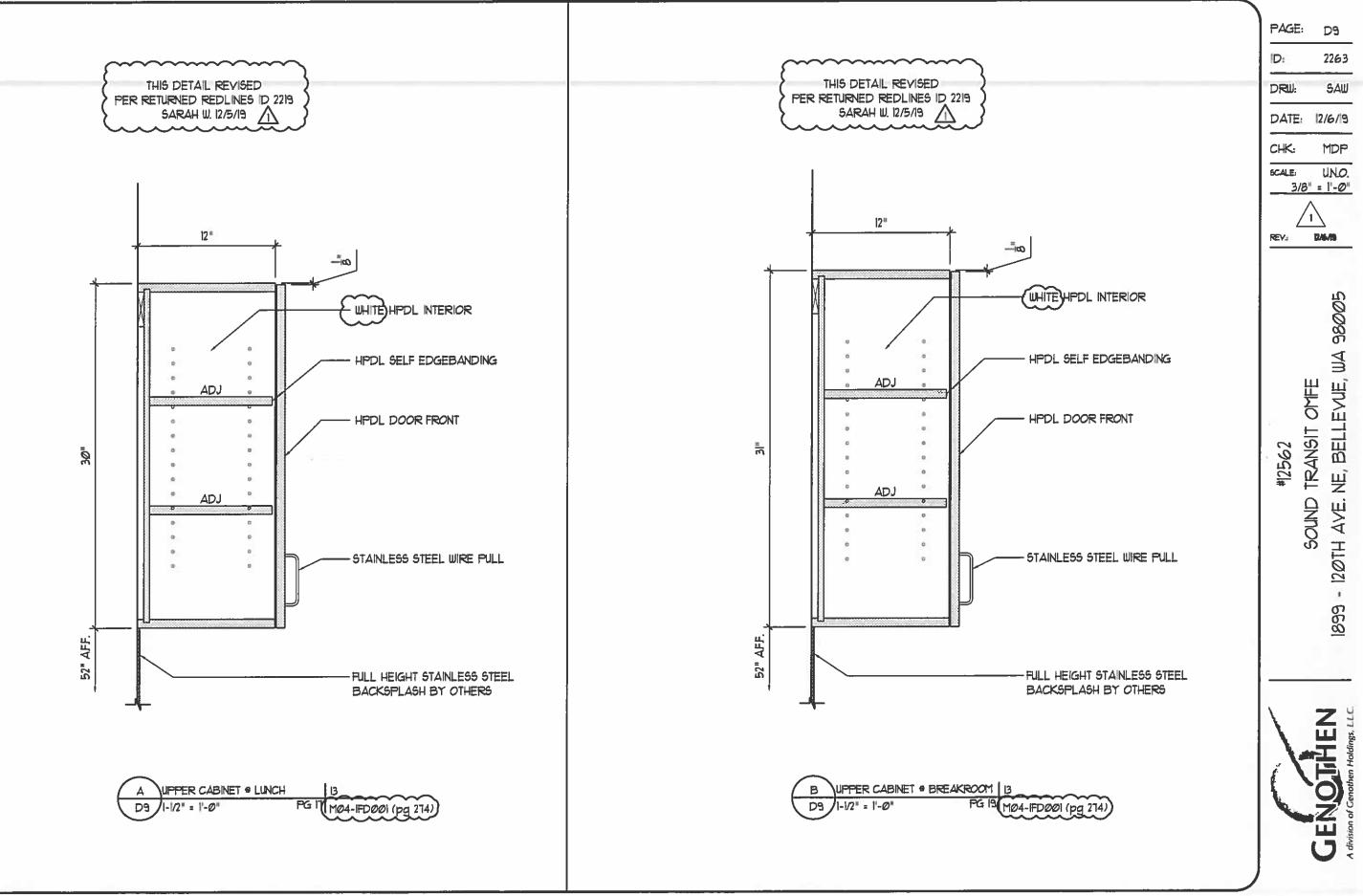
 $\sim \sim \sim$ THIS DETAIL REVISED THIS DETAIL RESUBMITTED PER RETURNED REDLINES ID 2219 PER RETURNED REDLINES ID 2219 5ARAH W. 12/5/19 SARAH W. 12/5/19 24" 22<u>8</u>" HPDL INTERIOR ADJUSTABLE SHELF -₽₽ <u>لا</u>ل 4 ø≓-' HPDL FILLER PANEL, TYP -228* 24" ADJACENT CABINET (2) 334 3. <u>ه</u> 1/4" FRAMED GLASS DOOR 334 <u>ø</u> (5.2) 1.25 HPDL RAILS ورئ بود 34 STAINLESS STEEL WIRE PULL MICROWAVE CABINET'S EXTENDED BOTTOM AFF. 103" ADJACENT MICROWAVE 52" CABINET 12" 8" 20" PLAN SECTION . UPPER CORNER N/A В Α PG II NA DB D8 /1-1/2" = 1'-0" /1-1/2" = 1'-0"

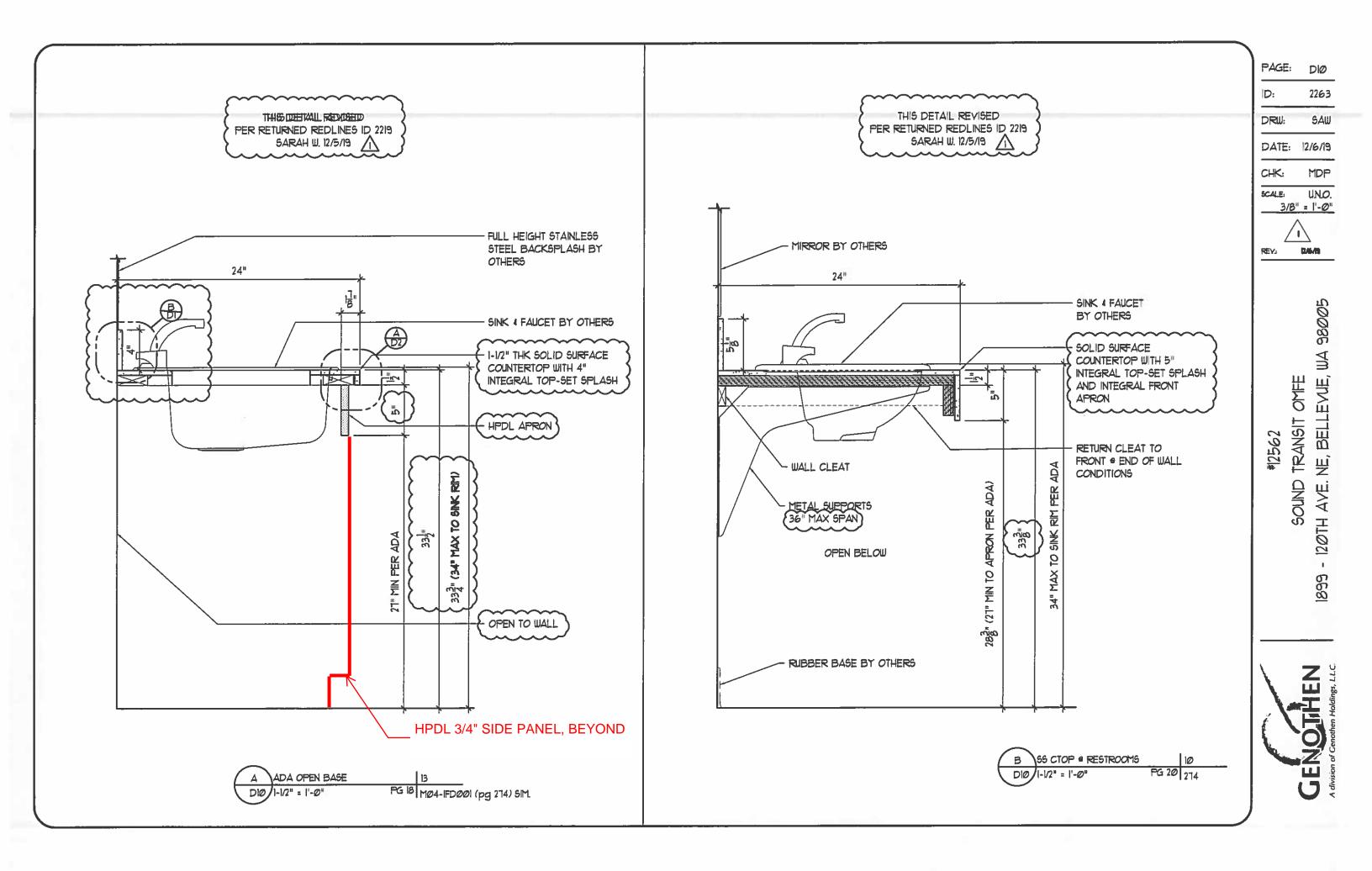


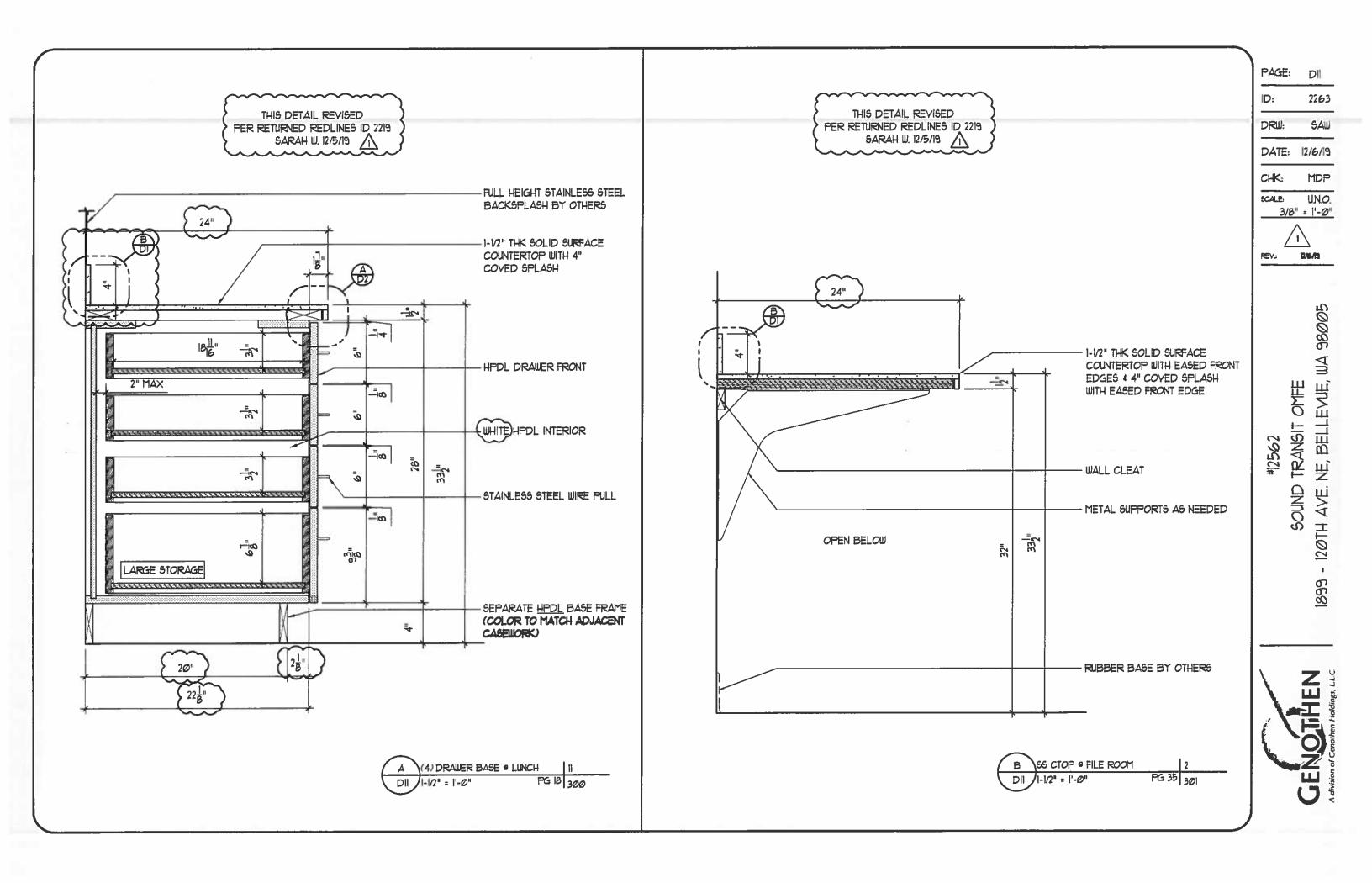
FIXED

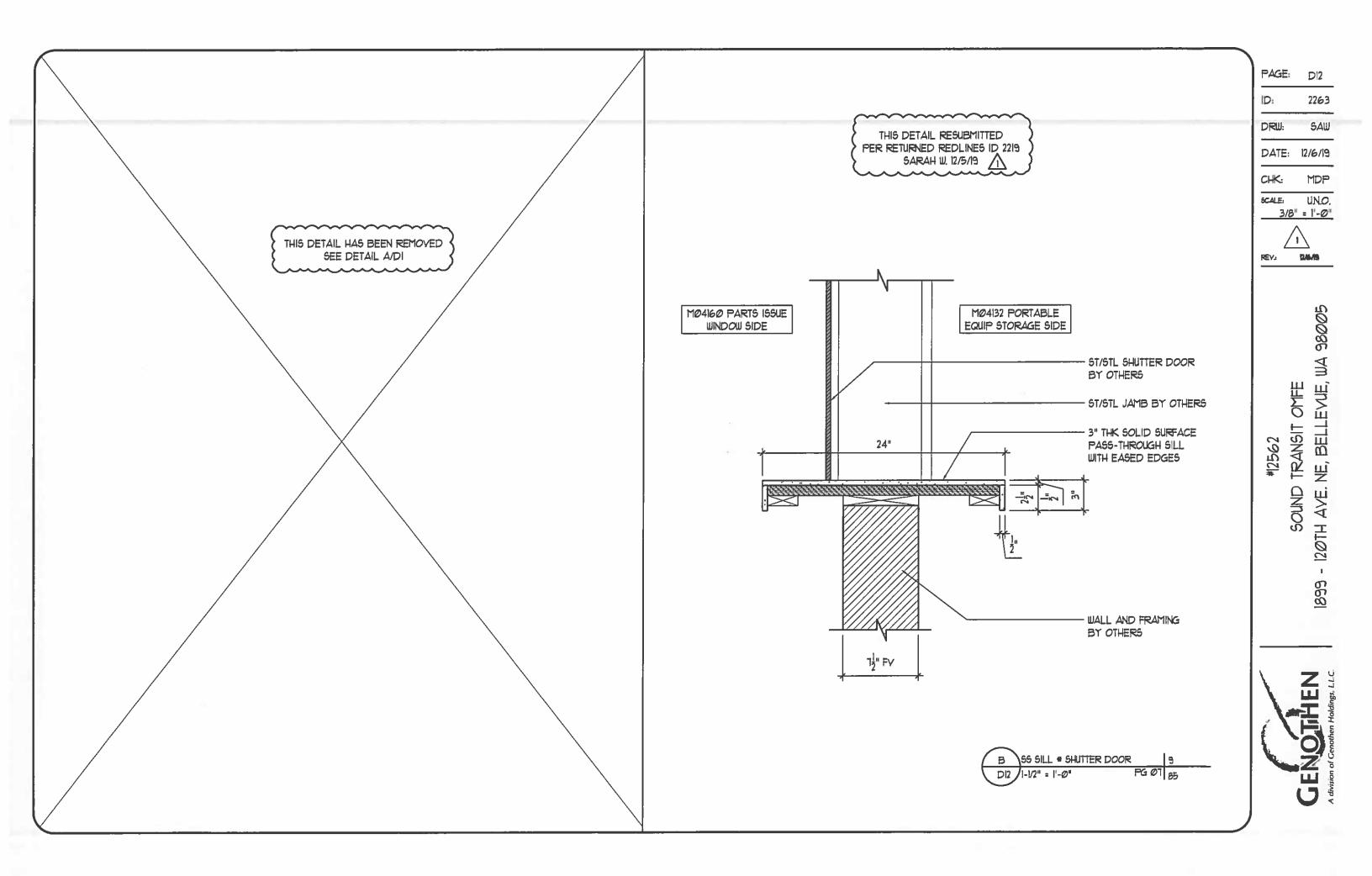
12*

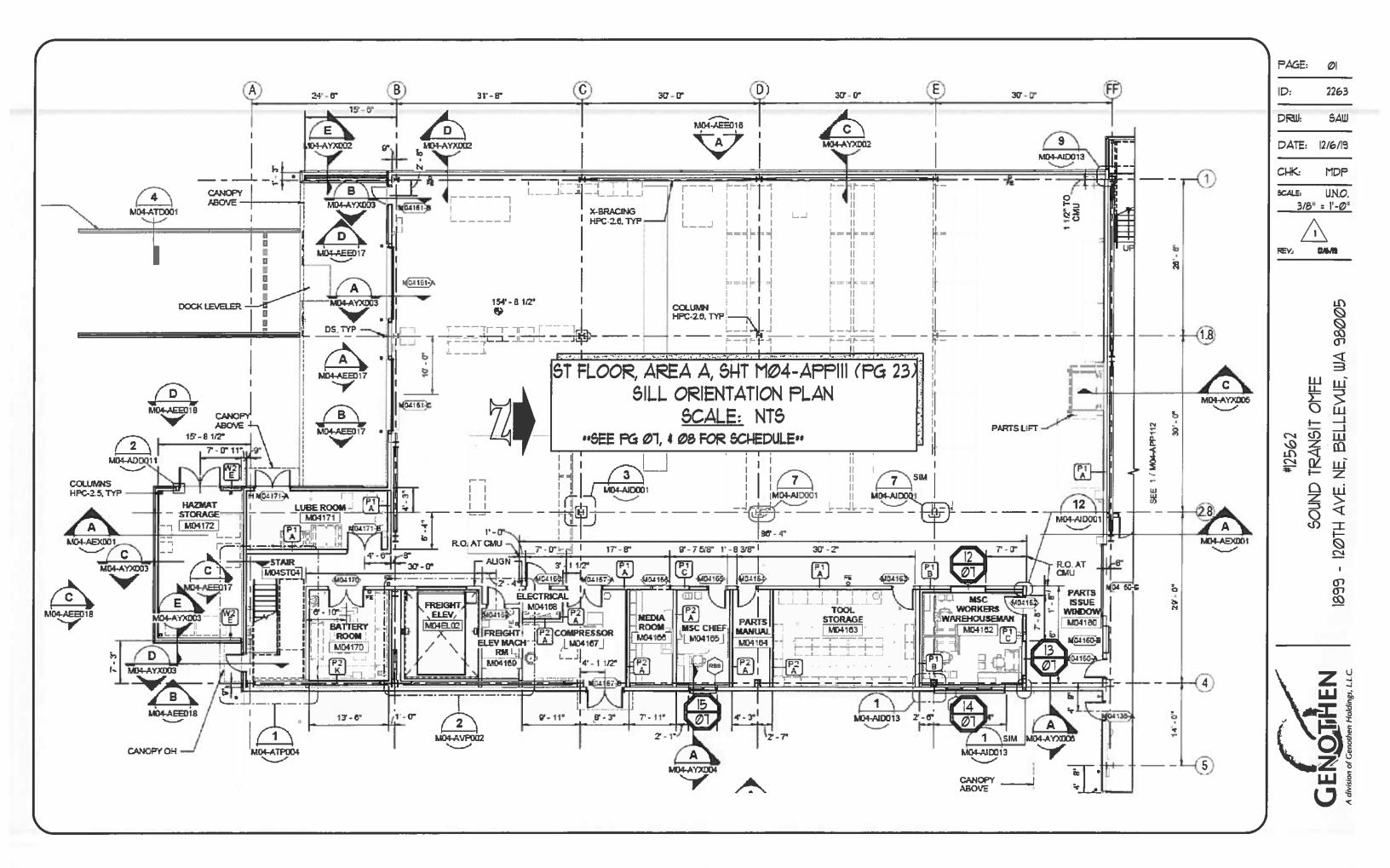
20"

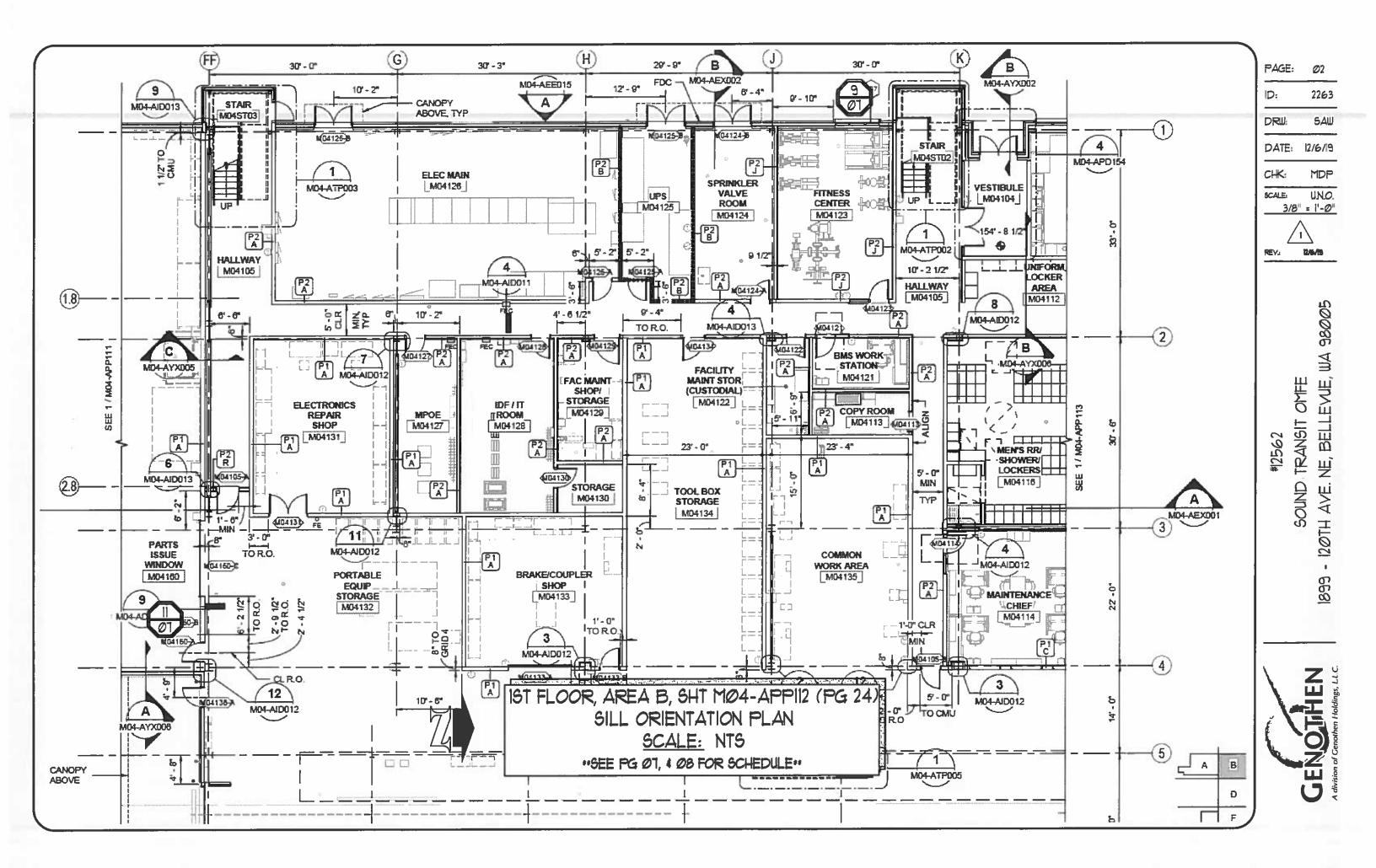


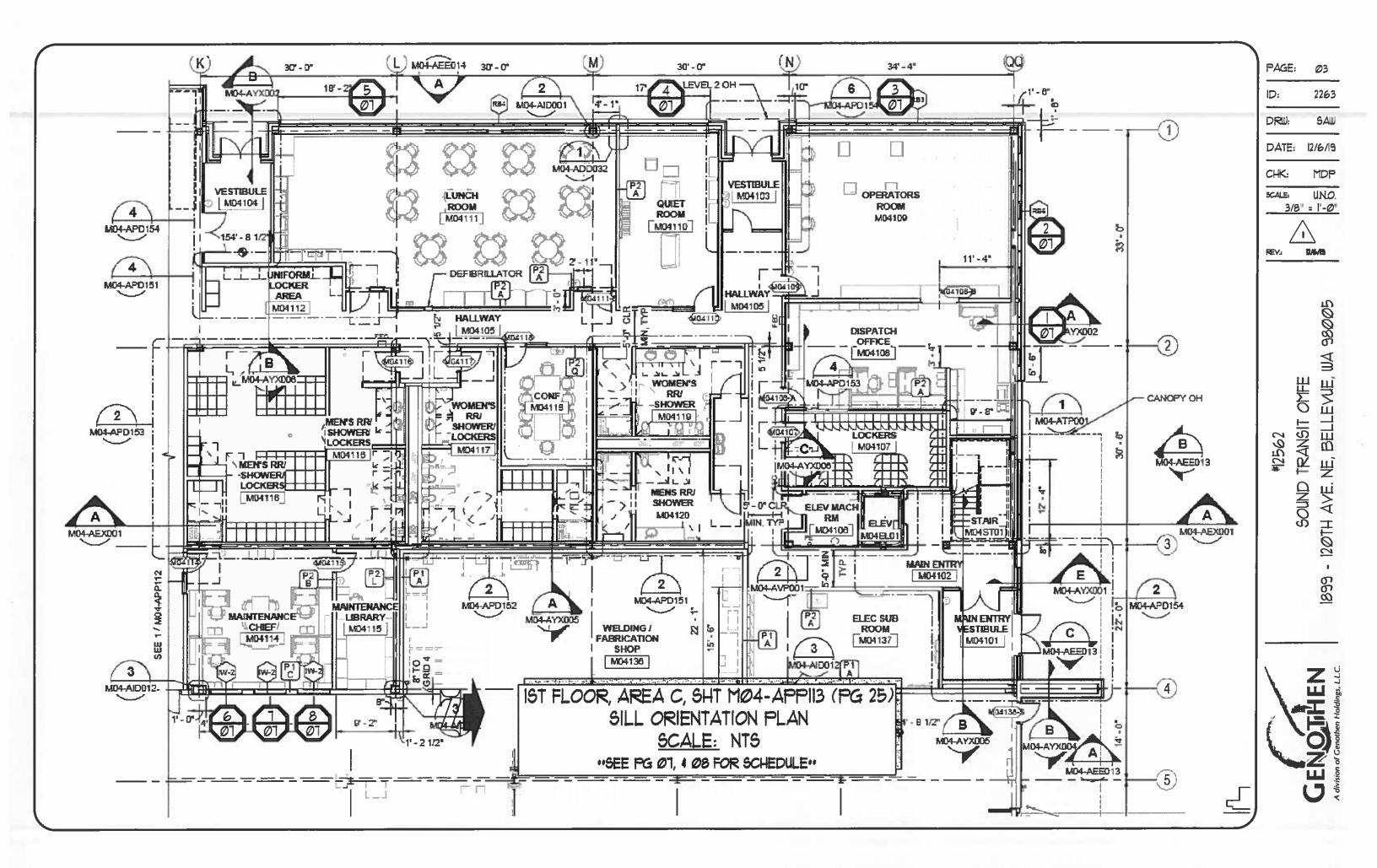


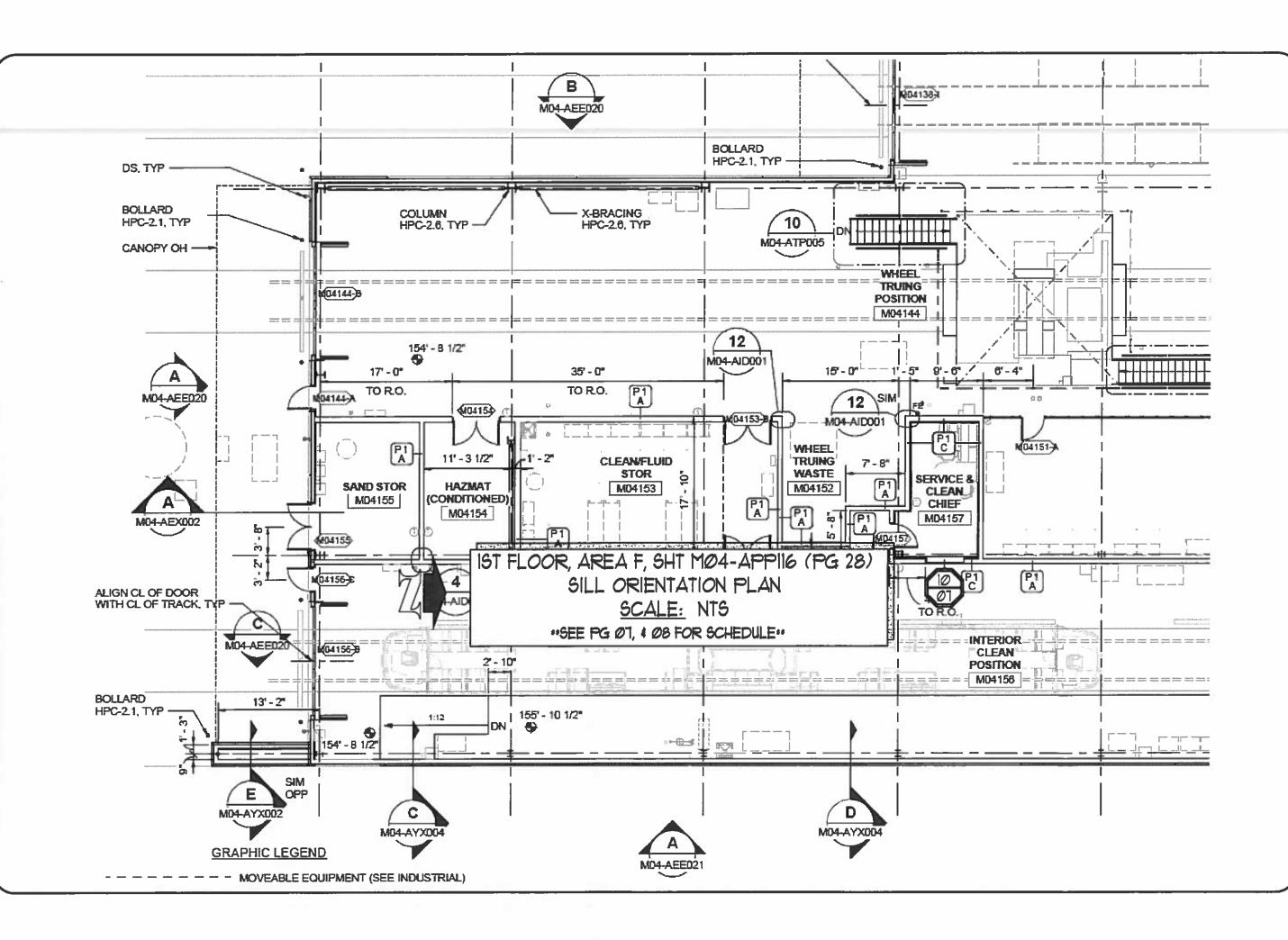


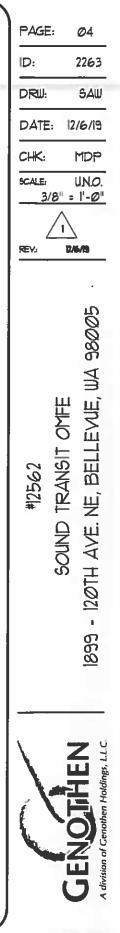


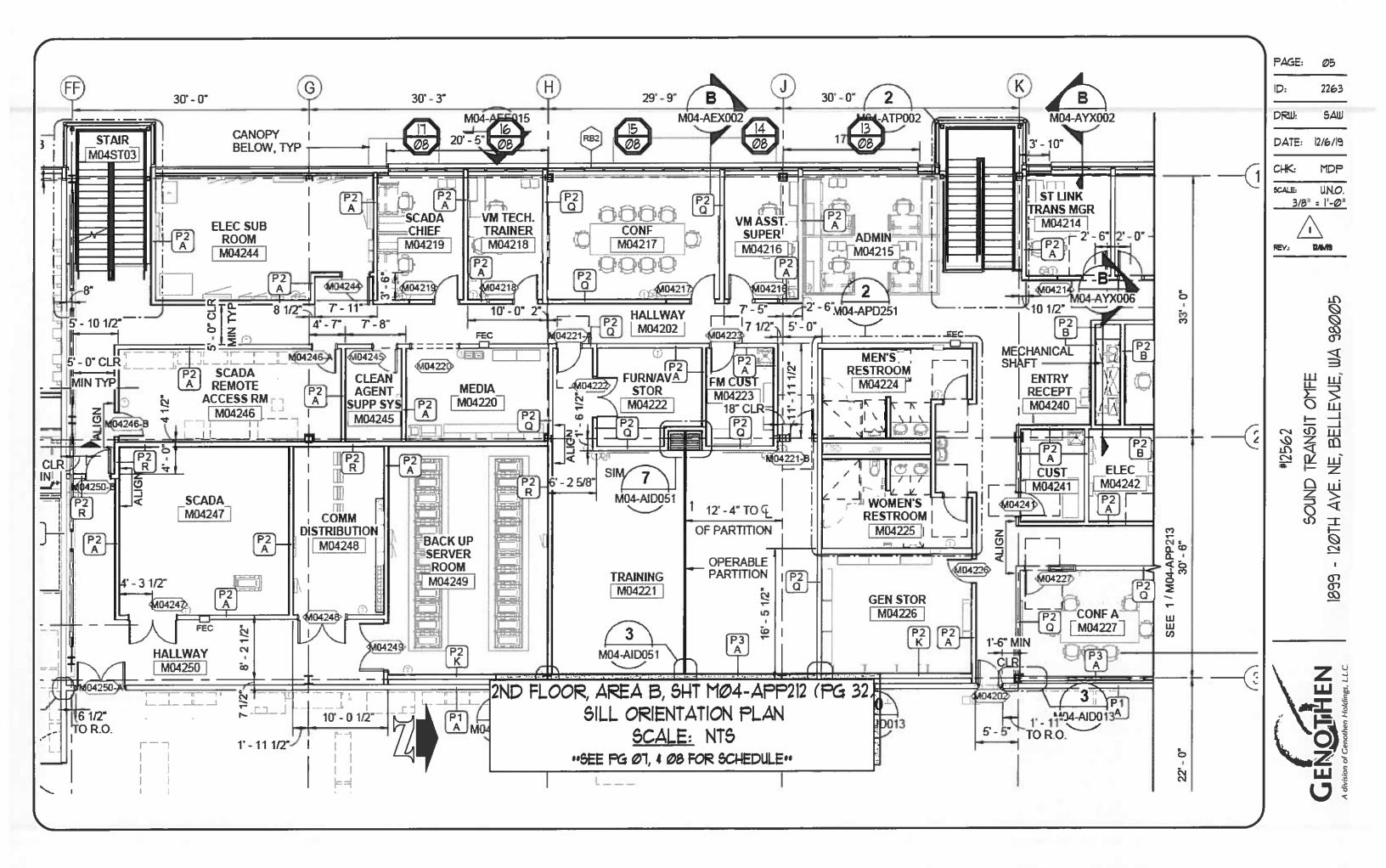


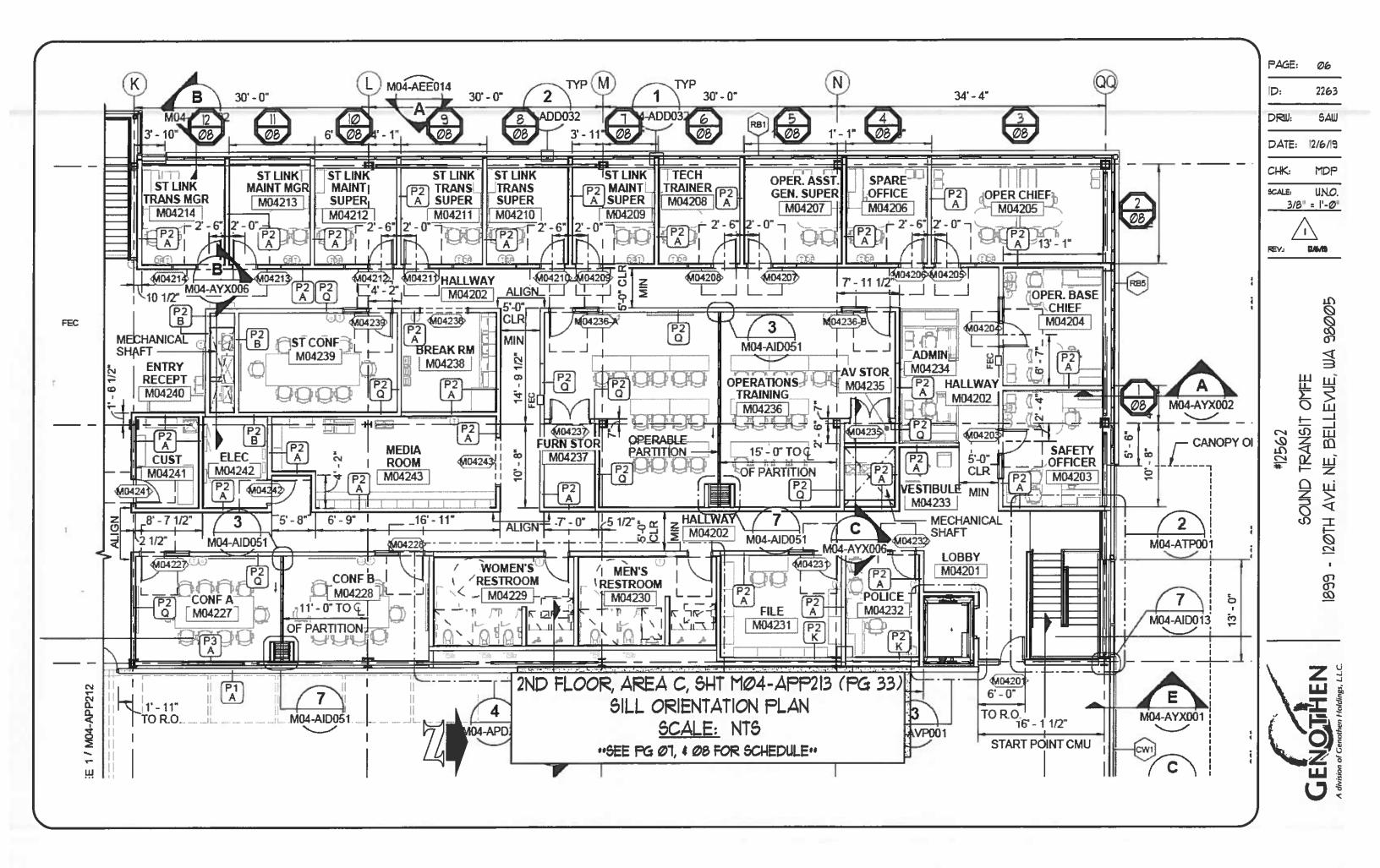




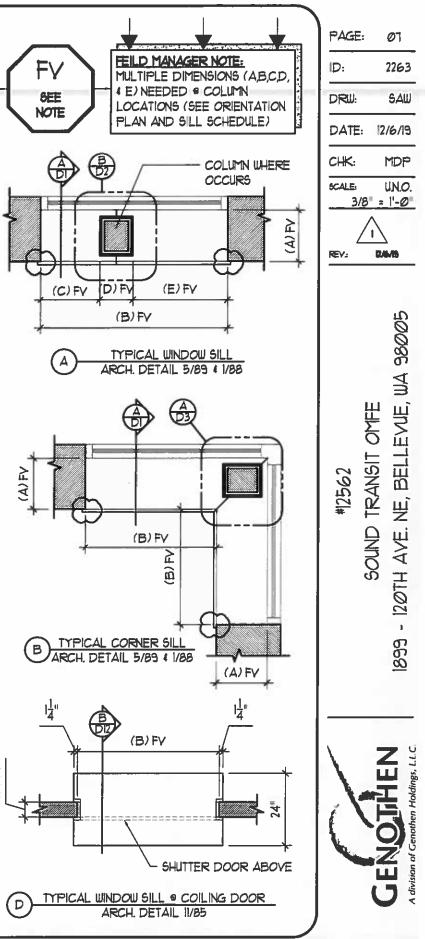




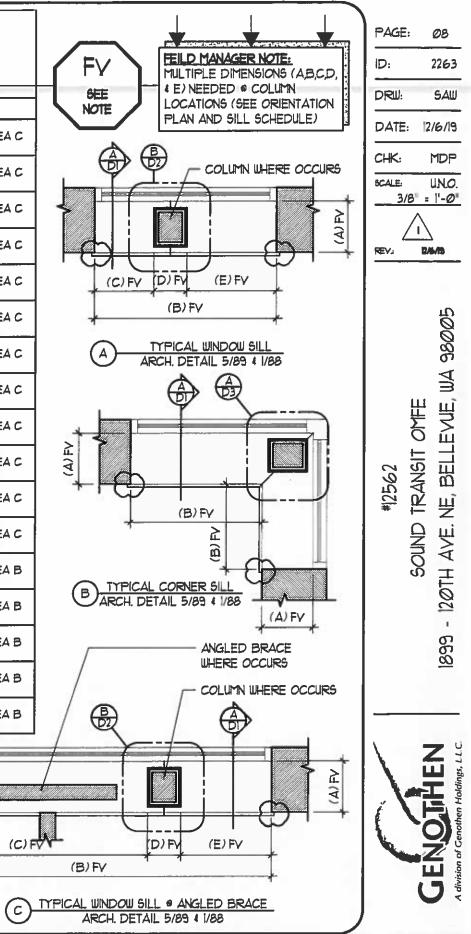


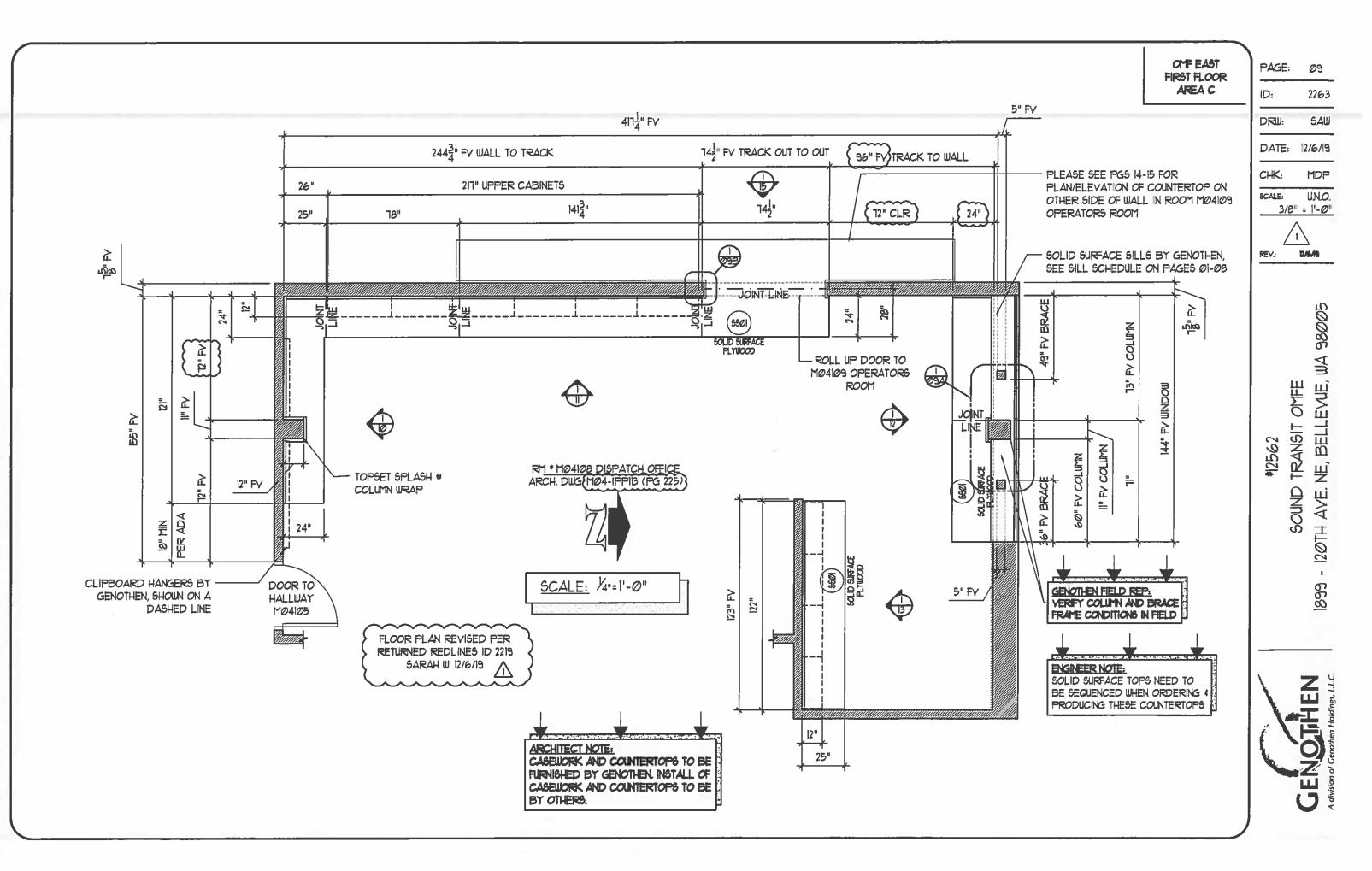


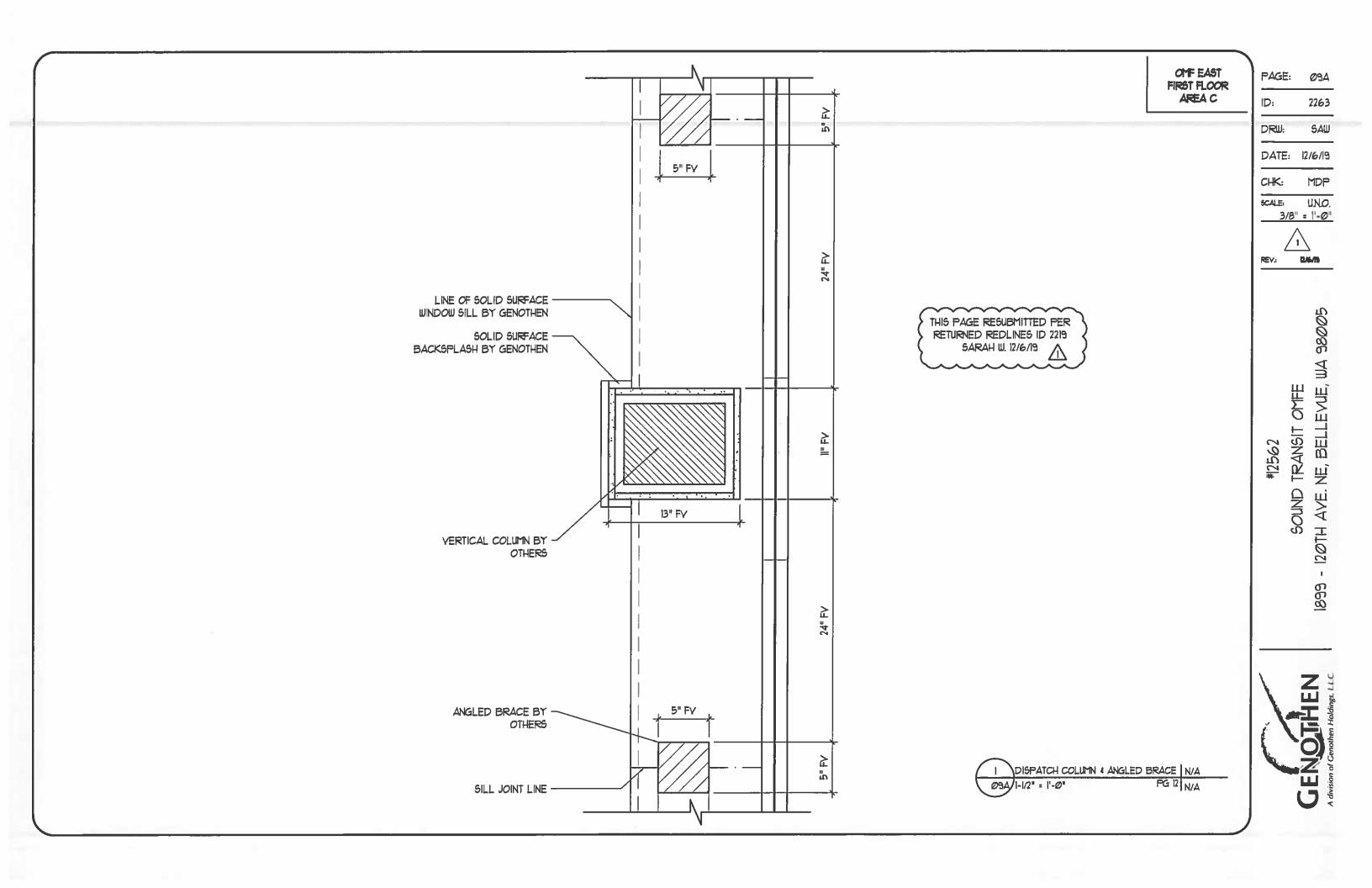
SILL •	ROOM NUMBER 4 NAME	ARCH (A)	FV (A)	ARCH (B)	FV (B)	FV (C)	(D)	FY (E)	DIRECTION		PLAN DETAI		GENOTHEN DET	AIL COLOR	NOTES				
	MØ4108 DISPATCH OFFICE	15-1/4"		142"					NORTH	RB6	Δ / Ø٦	15/MØ4-ADDØ31 (PG. 87)	B/D5	5503	IST FLR, AREA				
(Ja	MØ4109 OPERATORS ROOM	15-1/4"		320"		\times	$\mathbf{\mathbf{\nabla}}$	$\mathbf{\mathbf{\nabla}}$	NORTH	RB6	B / Ø1	15/M04-ADD031 (PG. 87)	A / DI	5503	IST FLR, AREA				
	MØ4103 OPERATORS ROOM	15-1/4"		4 4"		\mathbf{X}			WEST	RB3	B/07	15/MØ4-ADDØ31 (PG. 87)	A / DI	5503	IST FLR, AREA				
	MØ411Ø QUIET ROOM	15-1/4"		163-1/2"		X			WEST	RB4	A / Ø7	15/MØ4-ADDØ31 (PG. 87)	A / DI	5503	IST FLR, AREA				
(5) (0)	MØ4111 LUNCH ROOM	15-1/4"		619"					WEST	RB4	C/07	15/MØ4-ADDØ31 (PG. 87)	A / DI	5503	15T FLR, AREA (
(e) (e)	MØ4114 MAINTENANCE CHIEF	5-1/2"		60"		$\mathbf{ imes}$	$\mathbf{>}$	\mathbb{X}	EAST	IW2	A / Ø1	6/MØ4-ADDØ33 (PG. 83)	A / DI	5503	IST FLR, AREA				
	MØ4114 MAINTENANCE CHIEF	5-1/2"		60"		$\mathbf{ imes}$		\mathbb{N}	EAST	1002	A / Ø7	6/M04-ADD033 (PG. 83)	A / DI	5503	IST FLR, AREA				
ß	MØ4114 MAINTENANCE CHIEF	5-1/2*		60"		\mathbf{X}			EA5T	1002	A / Ø7	6/MØ4-ADDØ33 (PG. 89)	A / DI	5503	IST FLR, AREA				
3	MØ4123 FITNESS CENTER	7-1/2"		88"		\mathbf{X}		\mathbb{X}	WEST	RB1	A/07	15/MØ4-ADDØ31 (PG, 81)	A / DI	5503	IST FLR, AREA I				
	MØ4151 SERVICE & CLEAN CHIEF	5-1/2*		60"		\mathbf{X}			EAST	11/12	A / Ø1	6/MØ4-ADDØ33 (PG. 83)	A / DI	5503	IST FLR, AREA				
	MØ4160/MØ4132 PARTS ISSUE/STORAGE	T-1/2"		54-1/4"		\times		\mathbb{N}	NORTH / SOUTH	R	D / Ø1	9/MØ4-ADDØØ2 (PG. 85)	B/DI	5503	IST FLR, AREA I				
	MØ4162 MISC WORKERS	9-3/4"		ד2"	-	\times	$\left \right>$	\triangleright	WEST	NU3	A / Ø1	6/MØ4-ADDØ33 (PG. 83)		5503	IST FLR, AREA .				
B	MØ4162 MISC WORKERS	5-1/2"	- 31	2*		\times	\triangleright	\triangleright	NORTH	iw3	۲ø / ۵	6/MØ4-ADDØ33 (PG. 89)		5503	15T FLR, AREA ,				
	MØ4162 MISC WORKERS	3-3/4"		150"		\times	\triangleright	\triangleright	EAST	RBS	A / Ø1	15/MØ4-ADDØ31 (PG, 87)	A/DI	5503	15t FLR, AREA ,				
(B)	MØ4165 MISC CHIEF	3-3/4"		60"		\times	$\left \right>$	\triangleright	EAST	RBS	A / Ø1	15/M04-ADD031 (PG. 87)	A/DI	5503	IST FLR, AREA A				
													A	NGLED BRA HERE OCCU					
												/ 🕀	COLUMN WHERE OCCURS						
														C	(A)FV				

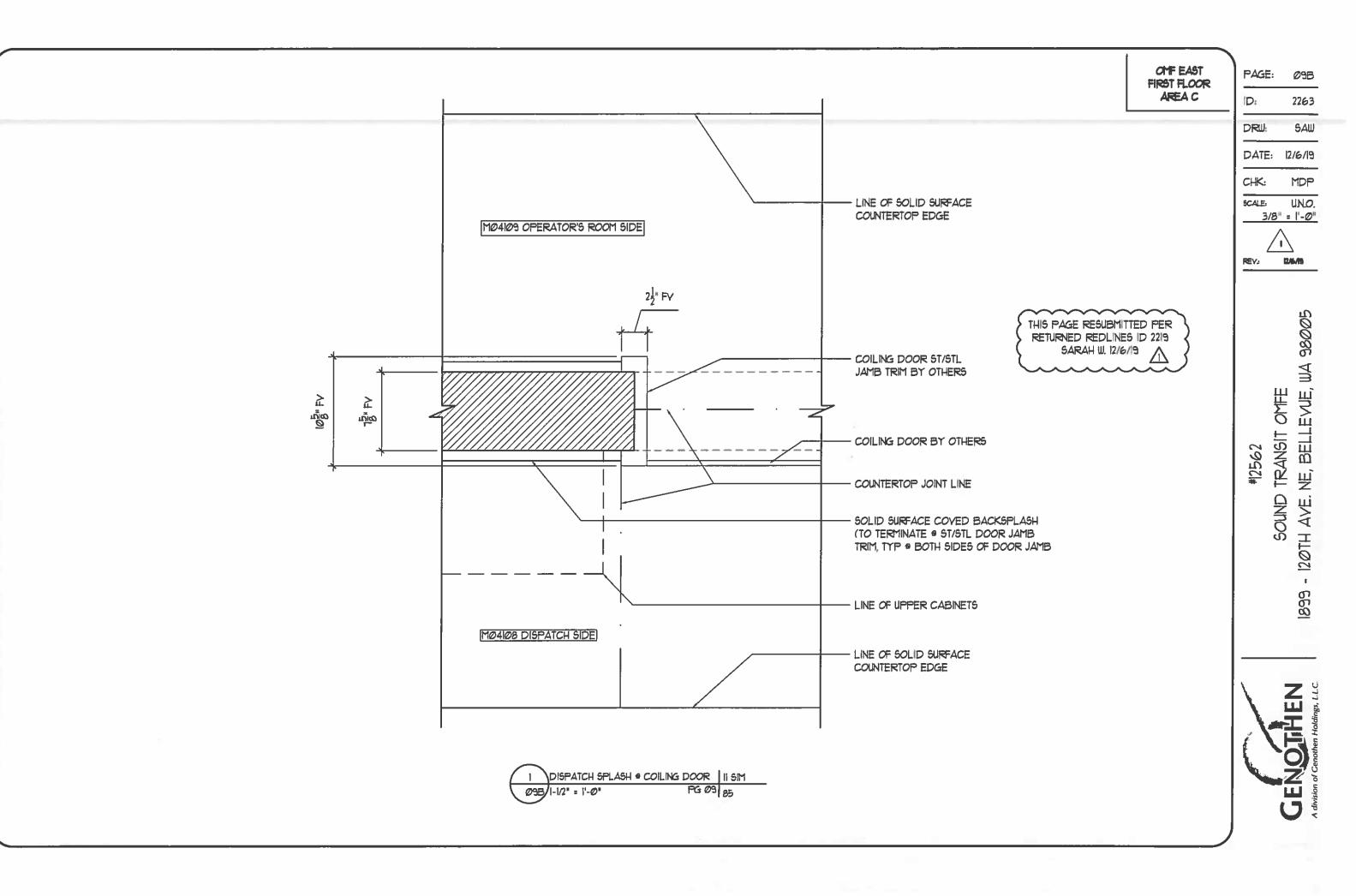


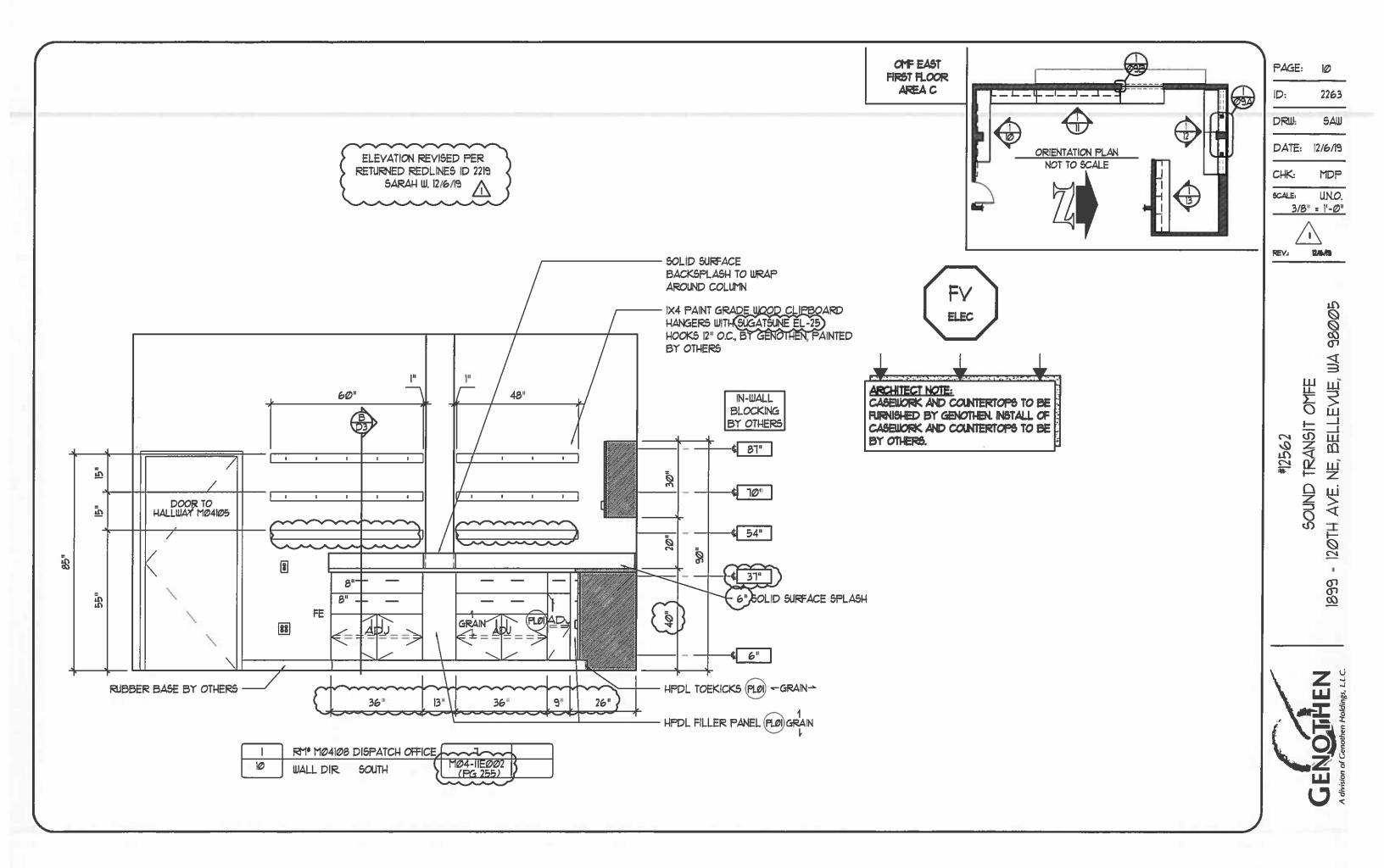
SILL *	DOW SILL	(HEDUL PG 32), 4		P213		33)) .		LOOR		MØ4-AF			_
	MØ4203/MØ204 SAFETY/OP. BASE CHIEF	15.1/4	136*				NORTH	RB5	C / 08	15/MØ4-ADDØ3 (PG. 81)		5503	2ND FLR, AREA C	;
	MØ42Ø5 OPER CHIEF	15-1/4"	158*	\times	\ge	$\mathbf{\mathbf{x}}$	NORTH	RB5	B/08	15/MØ4-ADDØ3 (PG. 87)	A/DI }	(5503)	2ND FLR, AREA C	:
3	MØ4205 OPER. CHIEF	15-1/4"	276"	\ge	\ge	\triangleright	WEST	R8 1	B/08	16/MØ4-ADDØ32 (PG. 88)		5503	2ND FLR, AREA C	•
4	MØ4206 SPARE OFFICE	15-1/4"	124"	\ge	\ge	\mathbb{N}	WEST	RBI	A / ØB	16/MØ4-ADDØ32 (PG. 88)		5503	2ND FLR, AREA C	;
5	MØ42Ø7 OPER. ASST. GEN. SUPER	15-1/4"	149"				WEST	RBI	A / Ø8	16/MØ4-ADDØ32 (PG. 88)		5503	2ND FLR, AREA C	:
6	MØ42Ø8 TECH TRAINER	15-1/4"	113"	\ge	\ge	\geq	WEST	RBI	A / 08	16/MØ4-ADDØ32 (PG, 88)	A/DI }	5503	2ND FLR, AREA C	;
	MØ42Ø9 ST LINK MAINT. SUPER	15-1/4"	161"				WEST	RBI	A / 08	16/MØ4-ADDØ32 (PG. 88)	A/DI	5503	2ND FLR, AREA C	:
B B B	MØ421Ø ST LINK TRANS SUPER	15-1/4"	125× ¹⁰	\ge	\ge	\geq	WEST	RBI	A / 08	16/MØ4-ADDØ32 (PG. 88)	A/DI	5503	2ND FLR, AREA C	:
9	MØ4211 ST LINK TRANS SUPER	15-1/4 *	125* 1	\ge	\ge	\geq	WEST	RBI	A / ØB	16/M04-ADD032 (PG. 88)	A/DI }	6503	2ND FLR, AREA C	:
	MØ4212 ST LINK MAINT SUPER	15-1/4°	125"	 			WEST	RBI	A / ØB {	16/MØ4-ADDØ32 (PG. 88)		5503	2ND FLR, AREA C	:
	MØ4213 ST LINK MAINT MGR	4-3/8"	125"	\ge	\ge	\geq	WEST	RBI	A / Ø8	12/MØ4-ADDØ31 (PG. 87)	A/DI	6503	2ND FLR, AREA C	;
	MØ4214 ST LINK TRANS MGR	4-3/8"	9Ø-1/2"	\ge	\ge	\geq	WEST	RBI	A / ØB	12/MØ4-ADDØ31 (PG. 87)	A/DI {	6503	2ND FLR, AREA C	;
[] 3 3	MØ4215 ADMIN	4-3/8"	175"	\ge	\ge		WEST	RB2	A / ØB	12/MØ4-ADDØ31 (PG. 87)	A / Dł	6503	2ND FLR, AREA B	,
14 Ø8	MØ4216 VM ASST. SUPER	4-3/8*	111"				WEST	RB2	C / 08 }	12/MØ4-ADDØ31 (PG. 87)		5503	2ND FLR, AREA B	,
(15) (28)	MØ4217 CONF	4-3/B"	263"				WEST	RB2	C/Ø8	12/MØ4-ADDØ31 (FG. 81)	A / DI	5503	2ND FLR, AREA B	,
(16) (88)	MØ4218 VM TECH TRAINER	4-3/8"	113"	\ge	\ge	\geq	WEST	RB2	A / ØB	12/MØ4-ADDØ31 (PG. 81)		5503	2ND FLR, AREA B	,
	MØ4219 SCADA CHIEF	4-3/B"	 4 "	\ge	\ge		WEST	RB2	A / Ø8 {	12/1104-ADD031 (PG.87)	A/DI }	5503	2ND FLR, AREA B	
										DOG EARS" AT F 5 OF ALL WINDO			(C.	.) FV

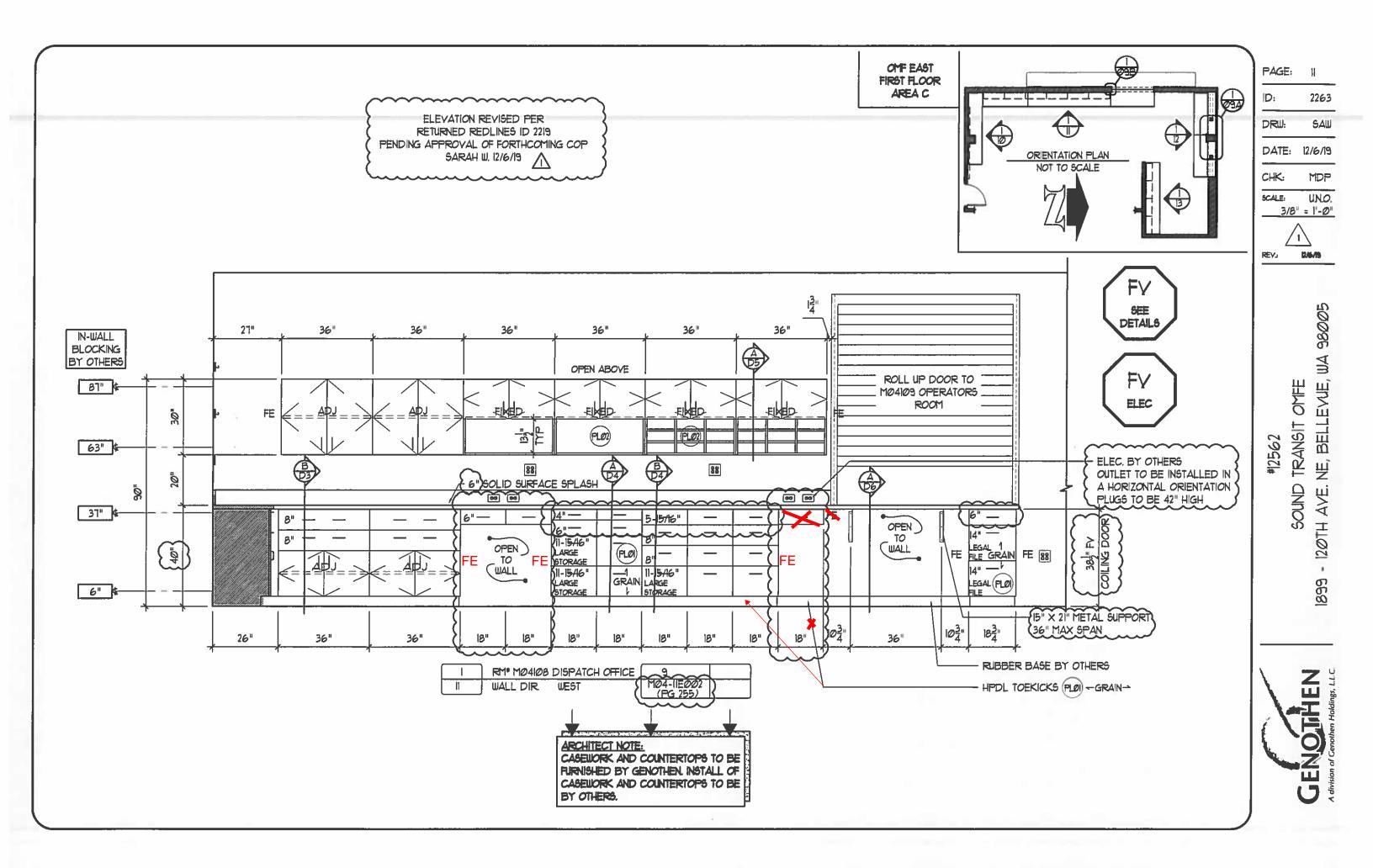


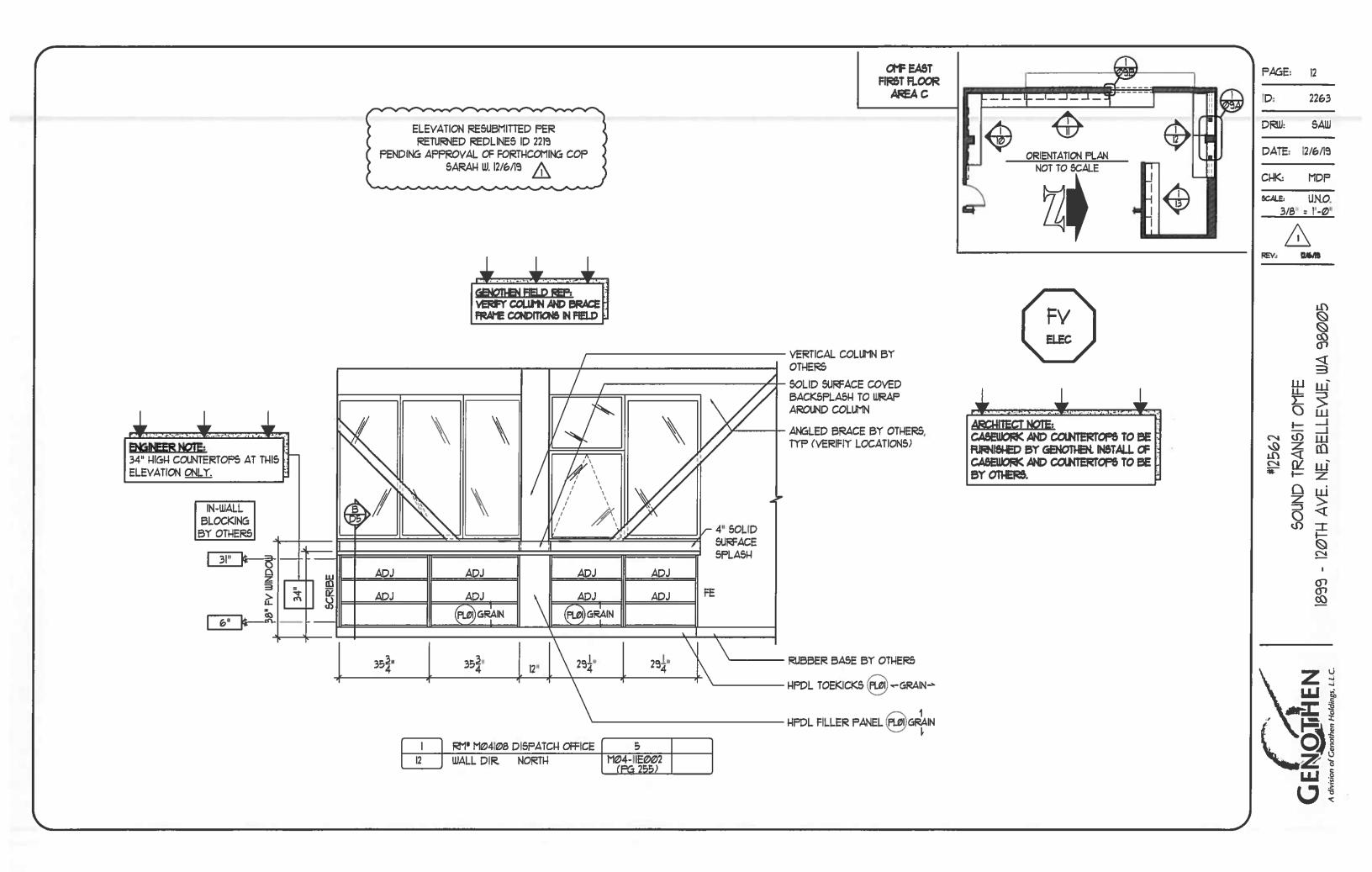


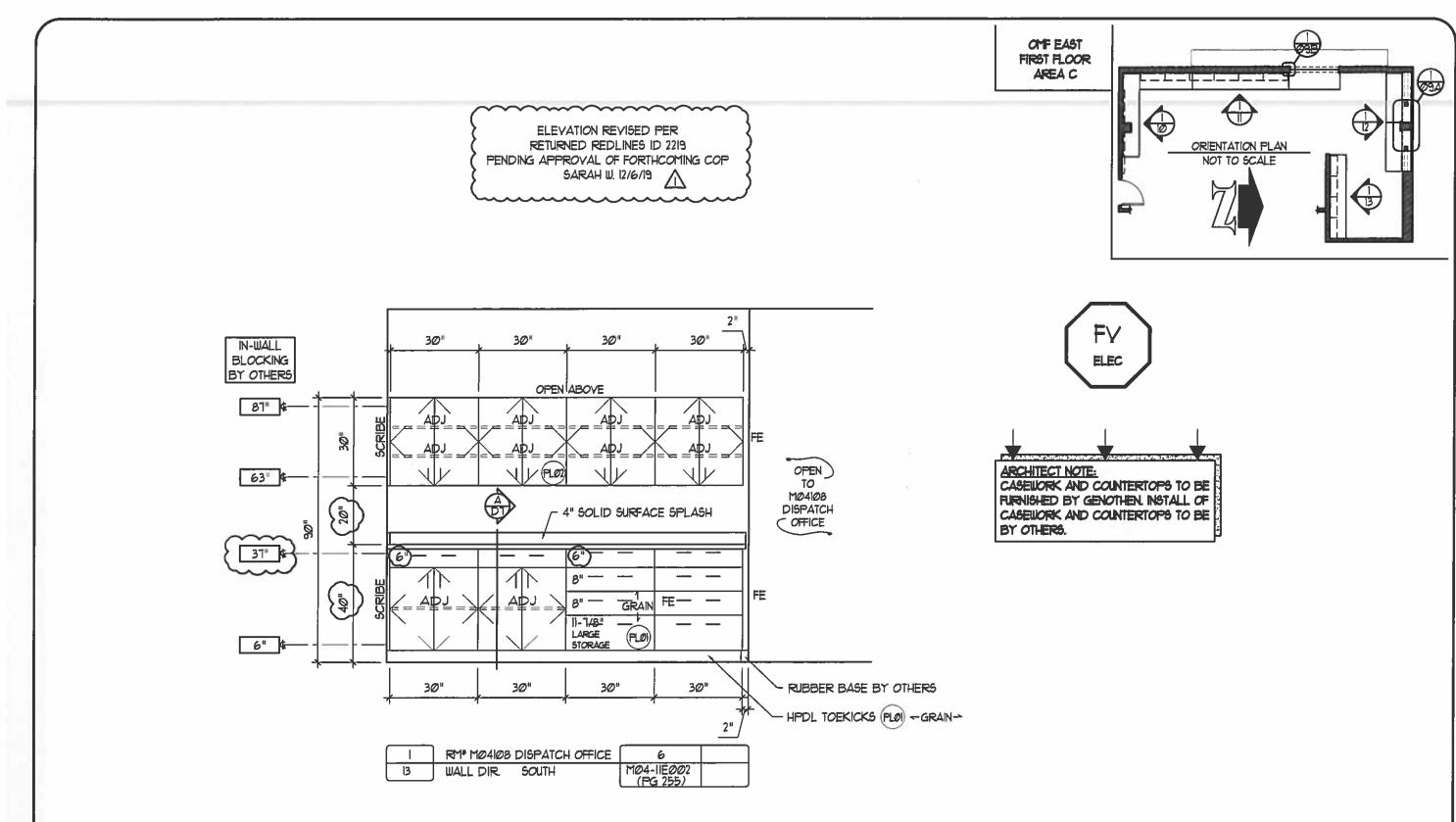


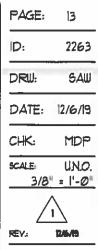






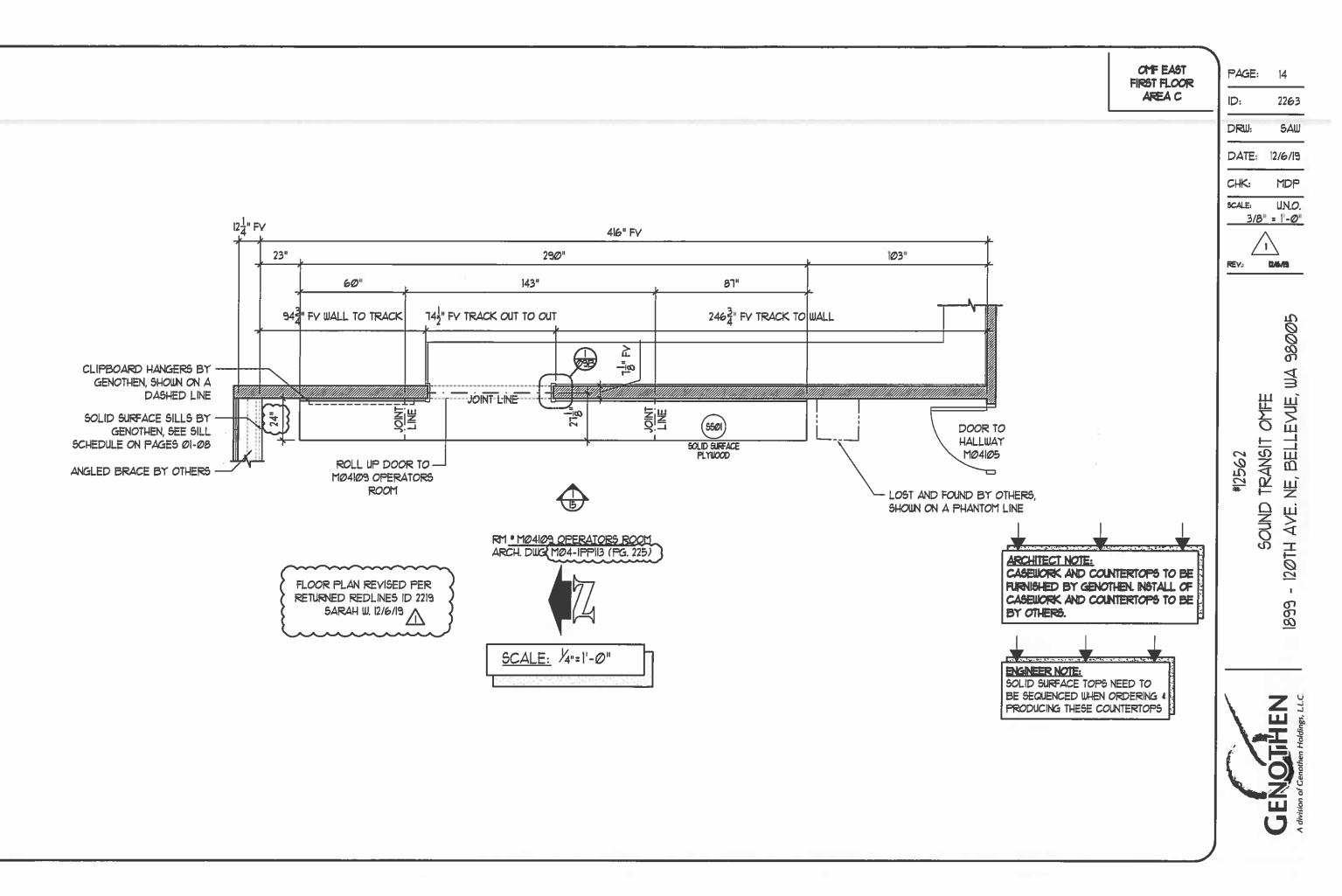




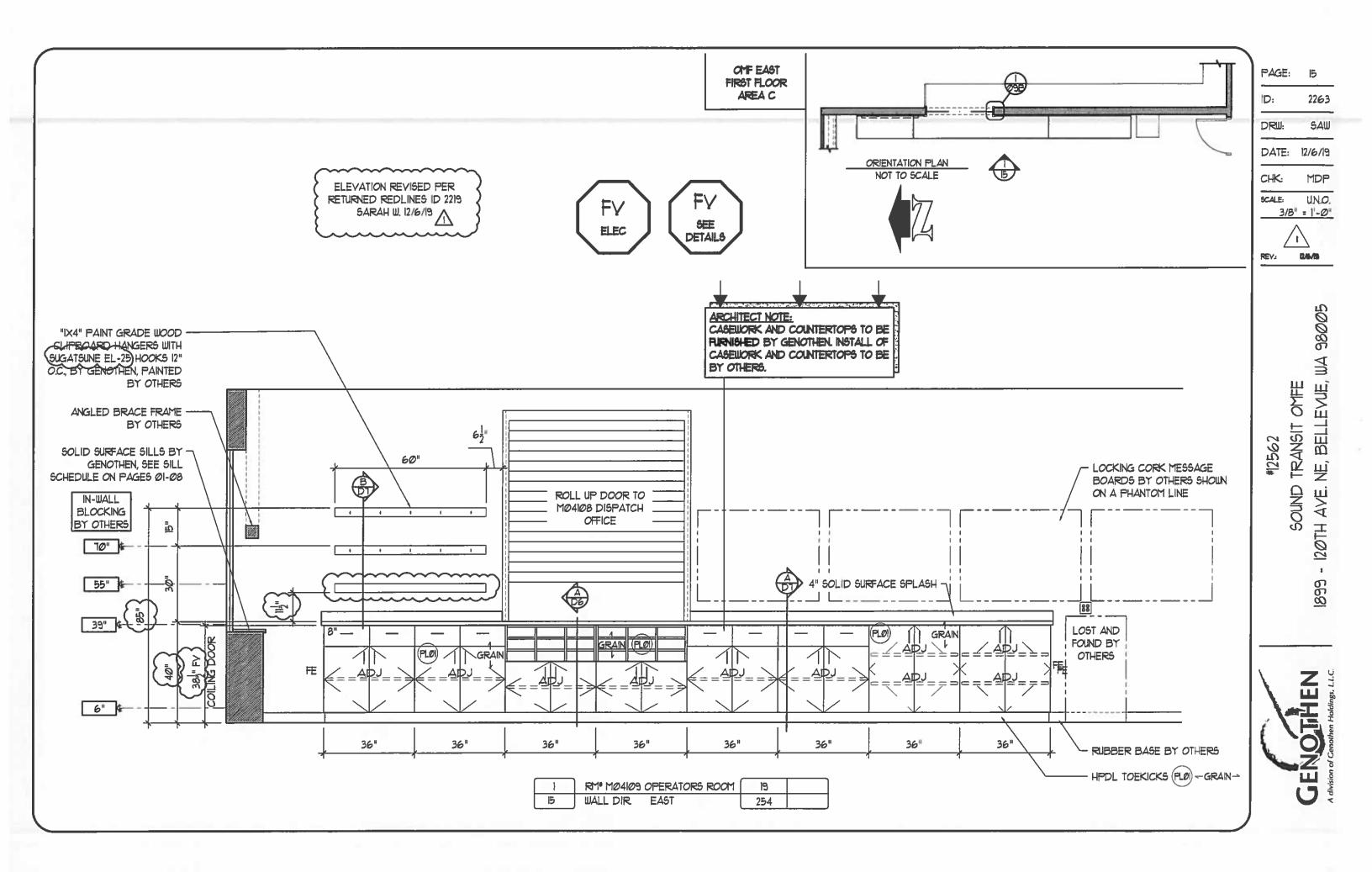


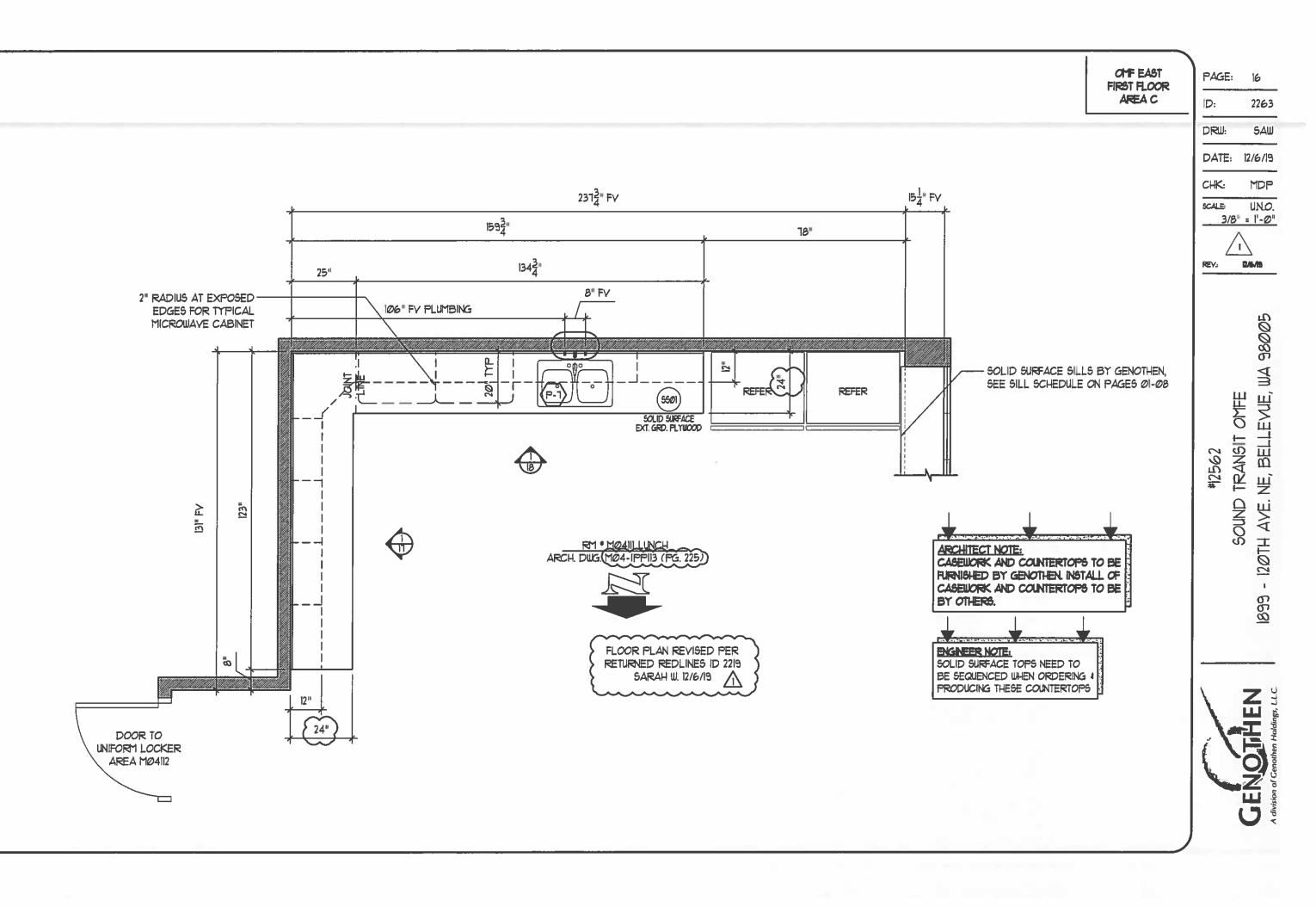


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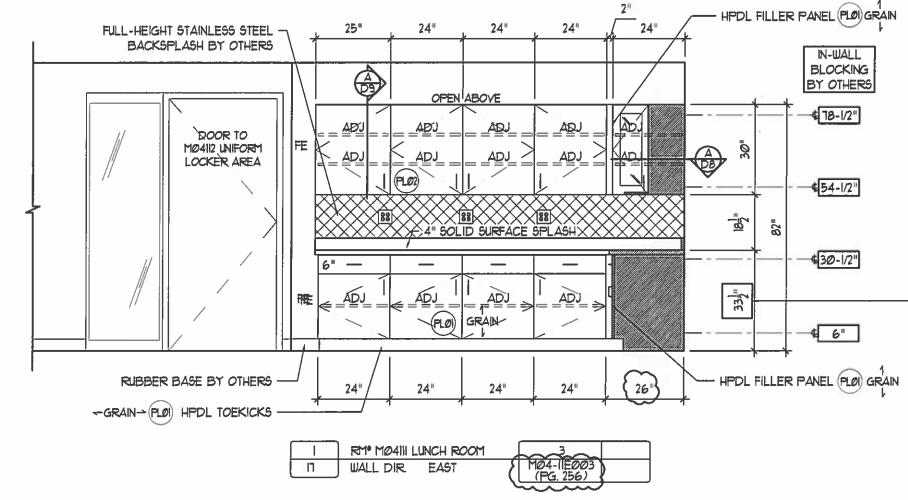


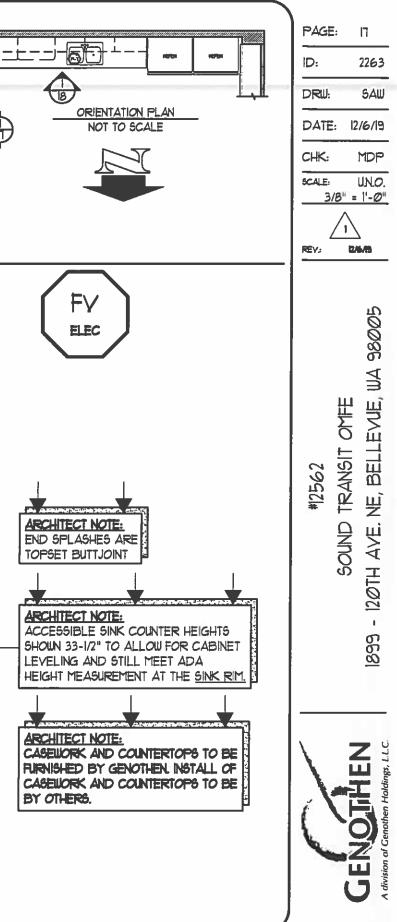
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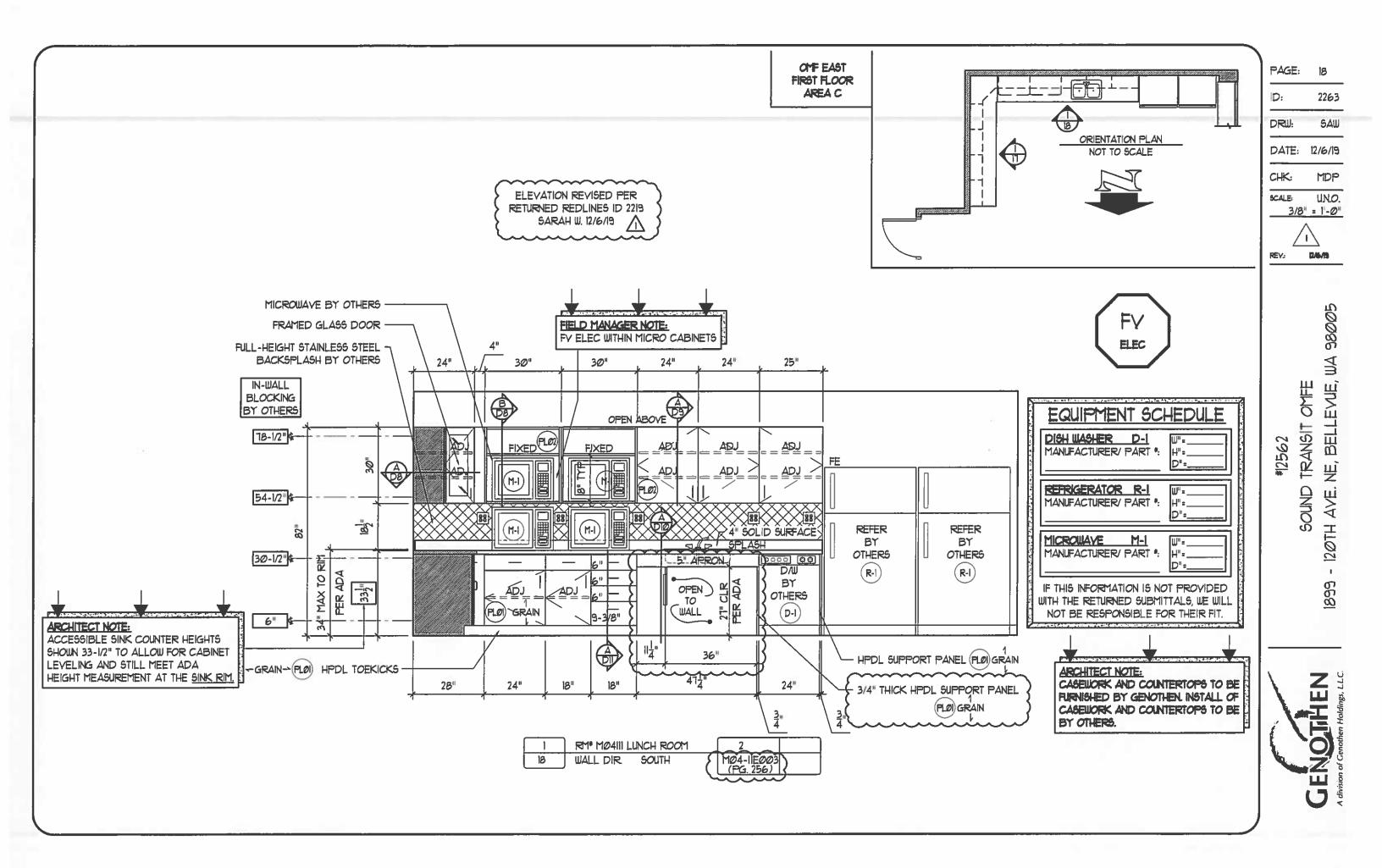


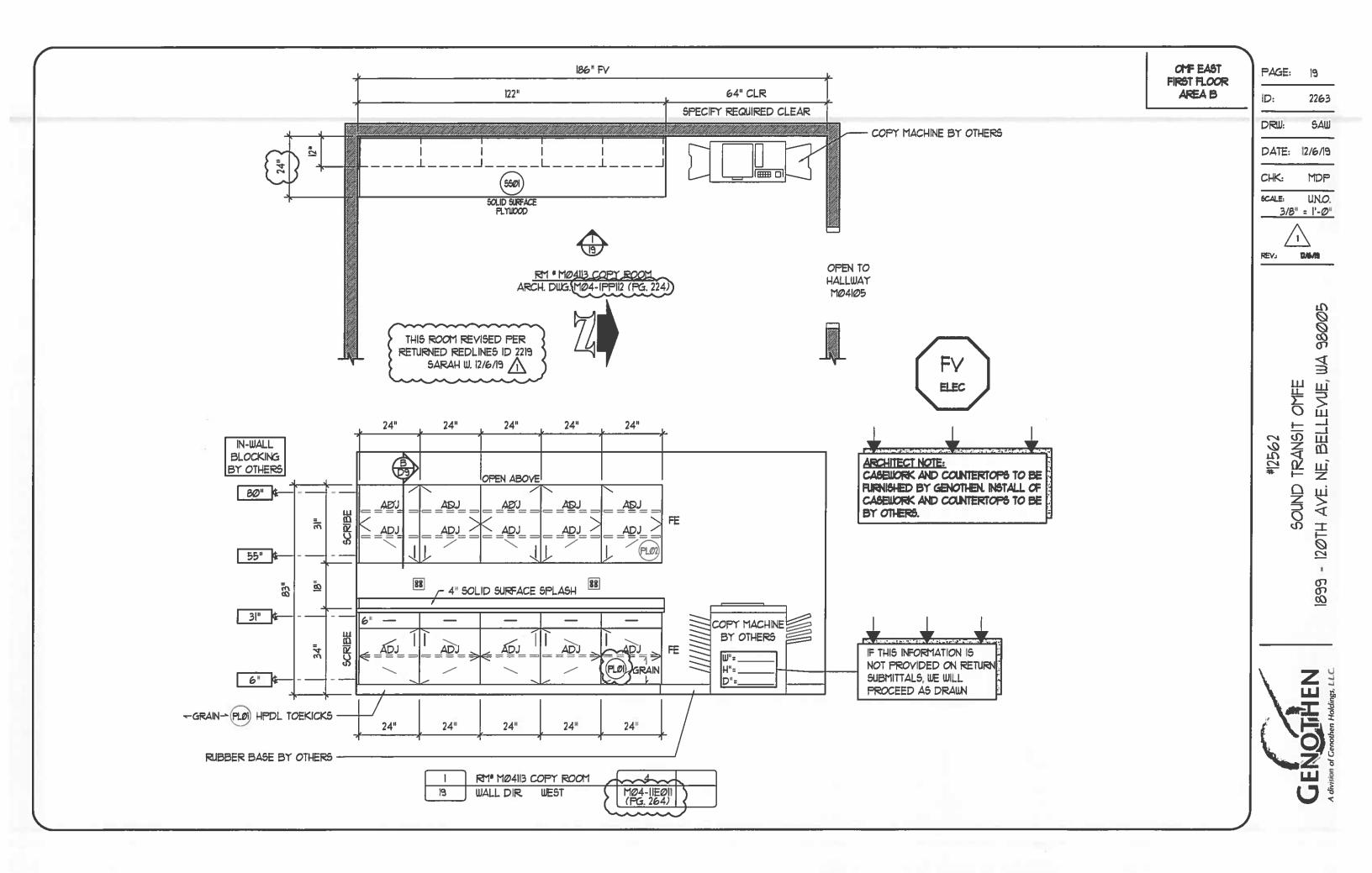


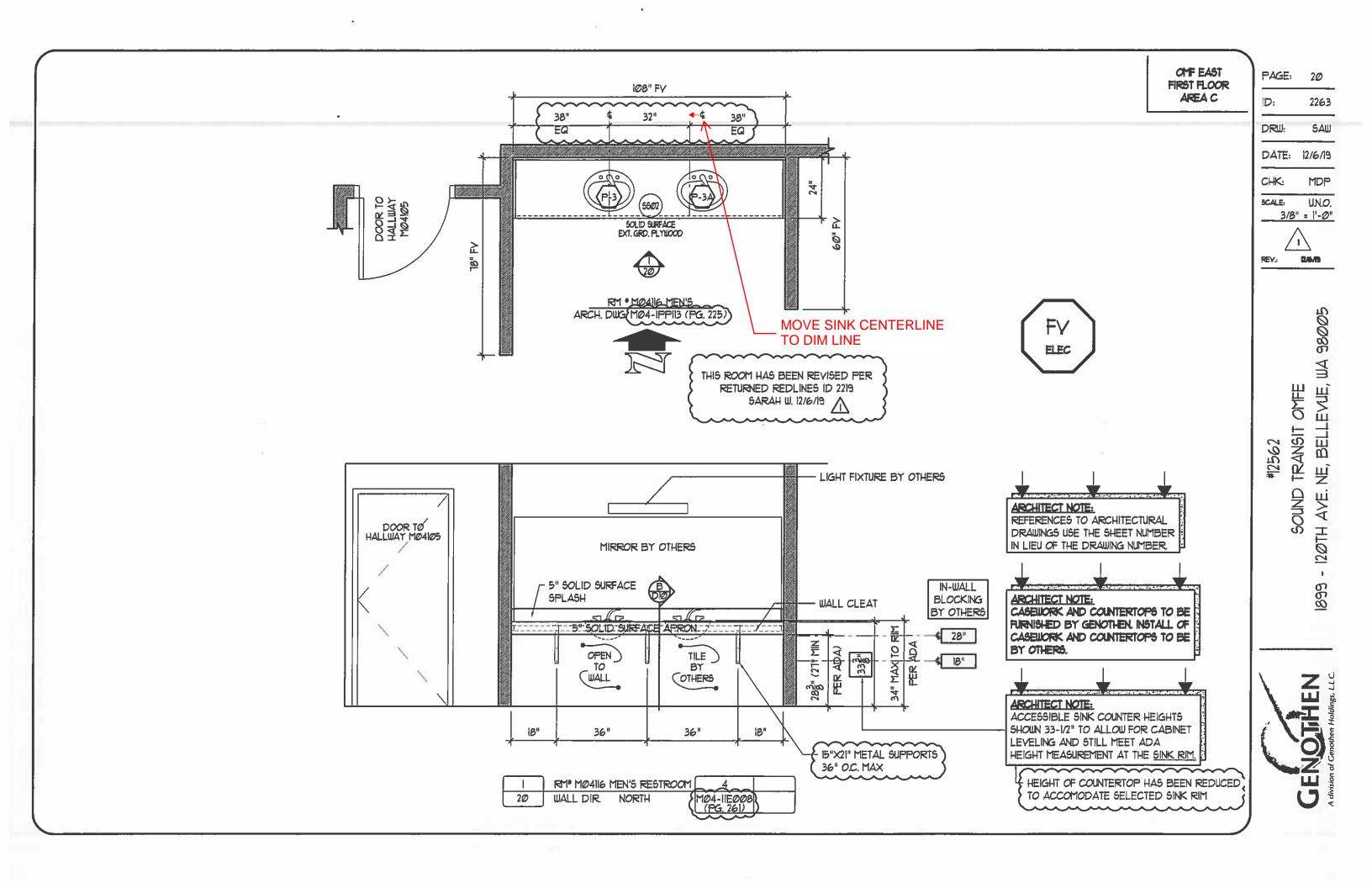


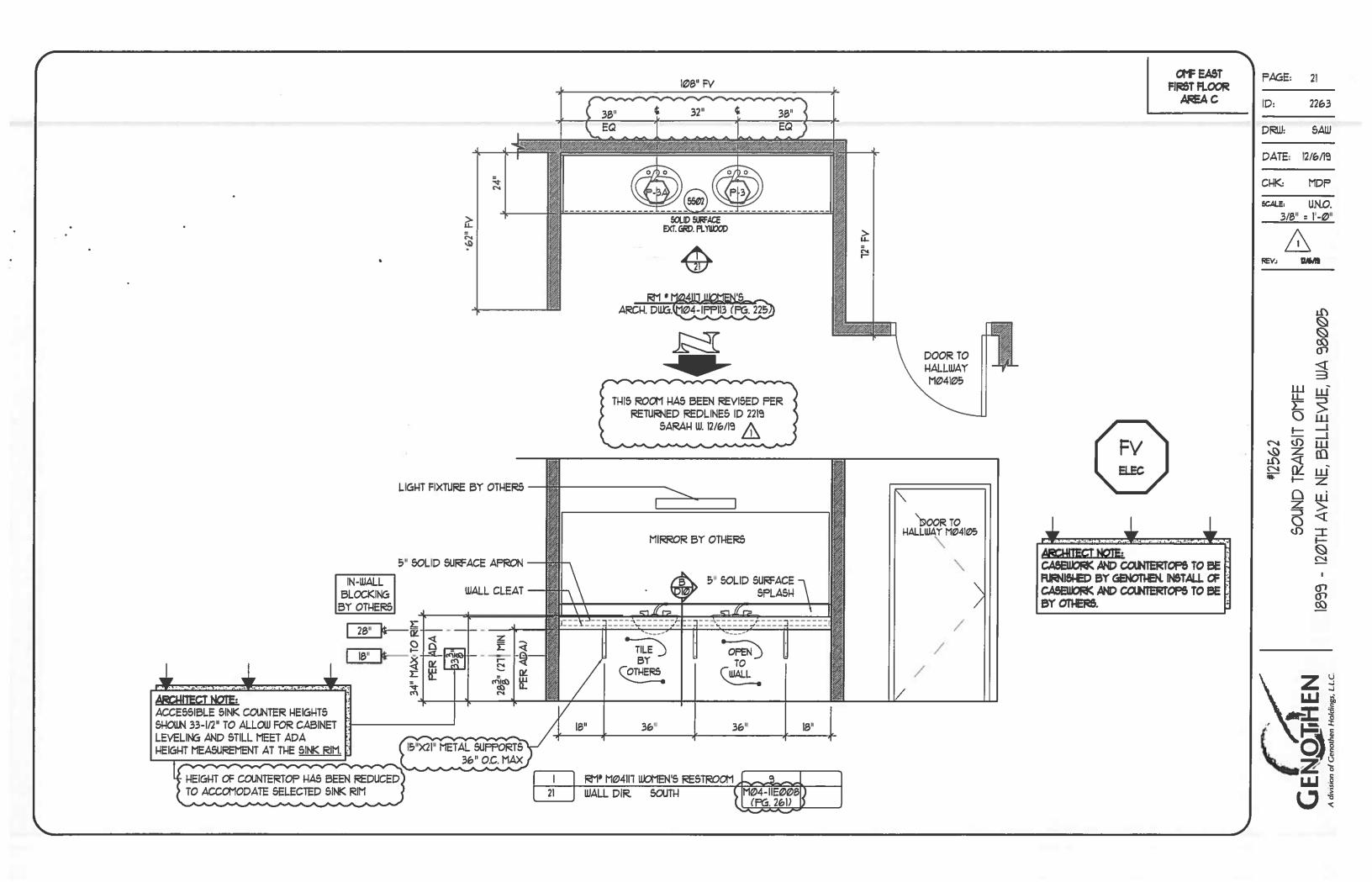


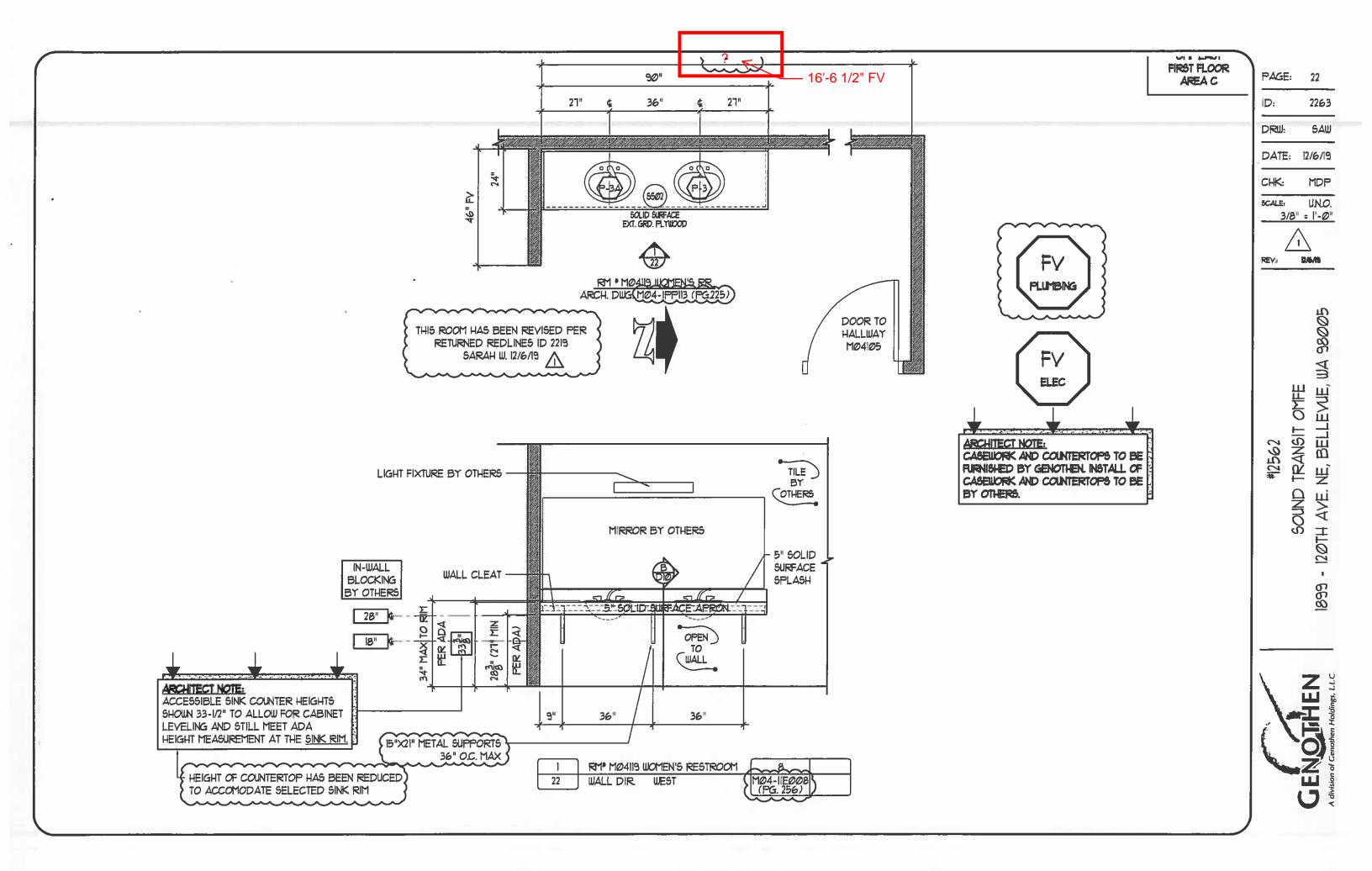


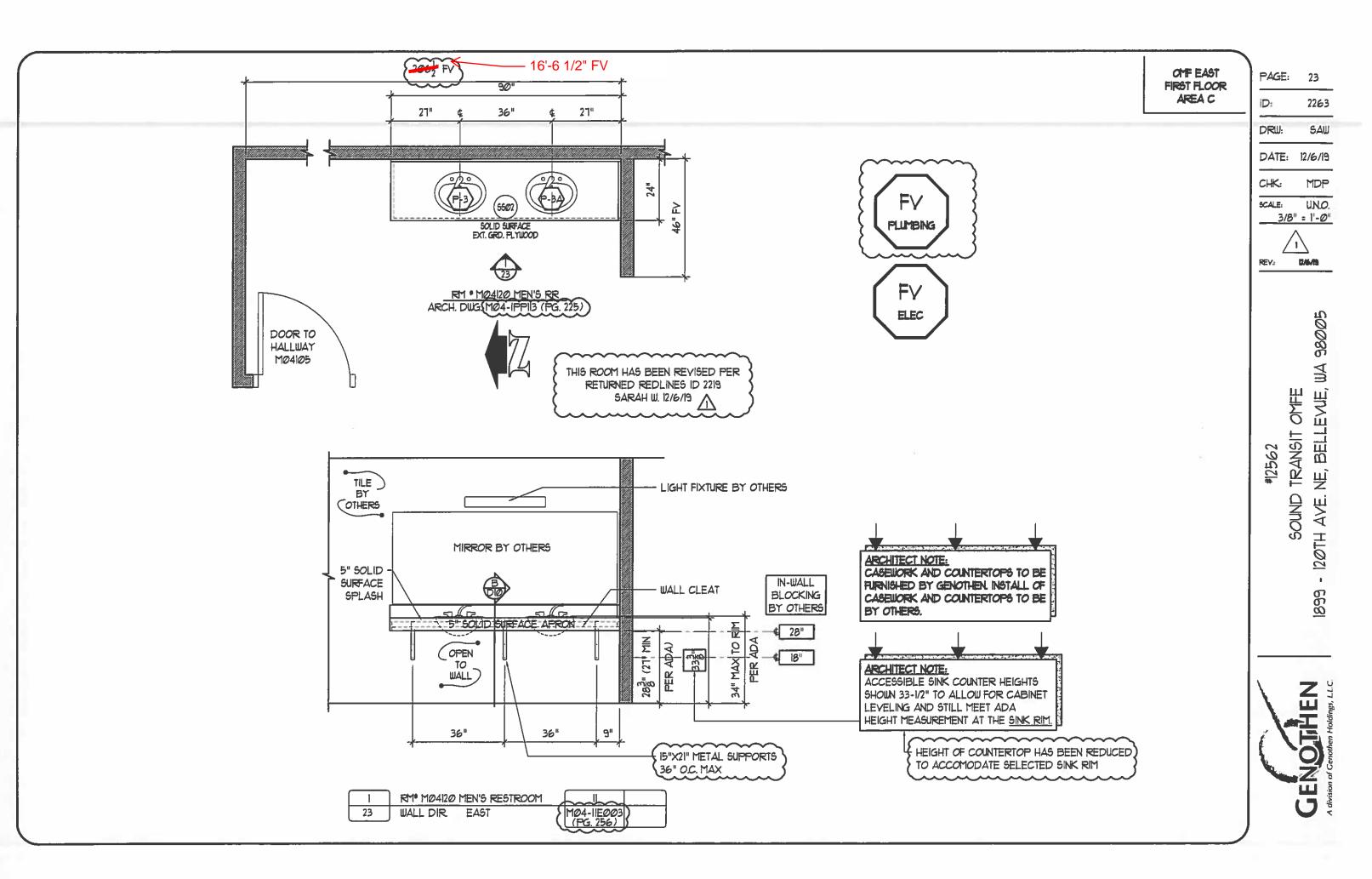


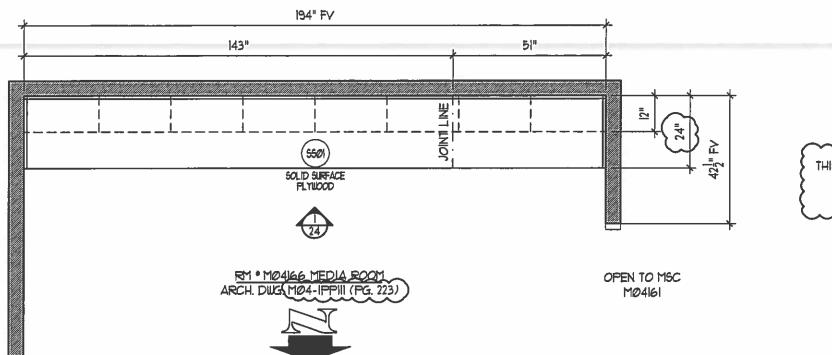


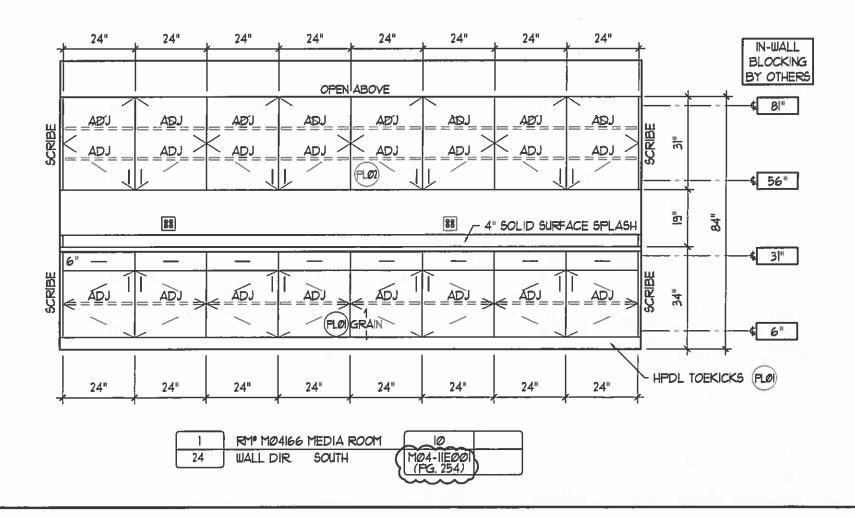


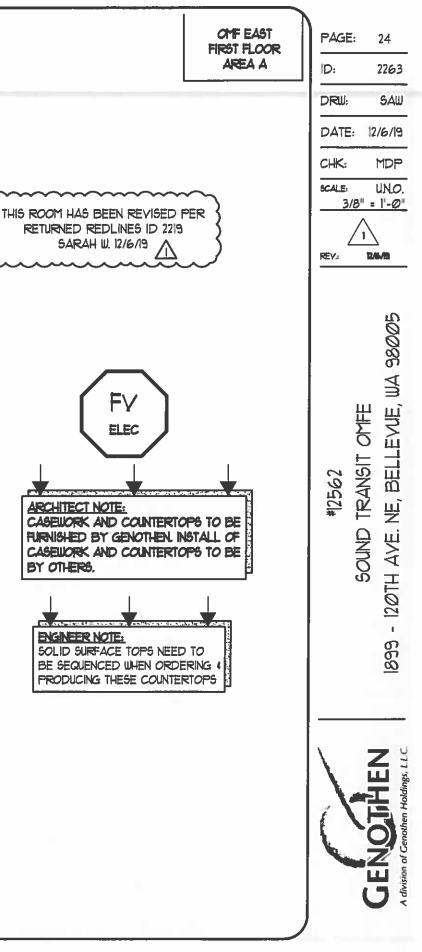


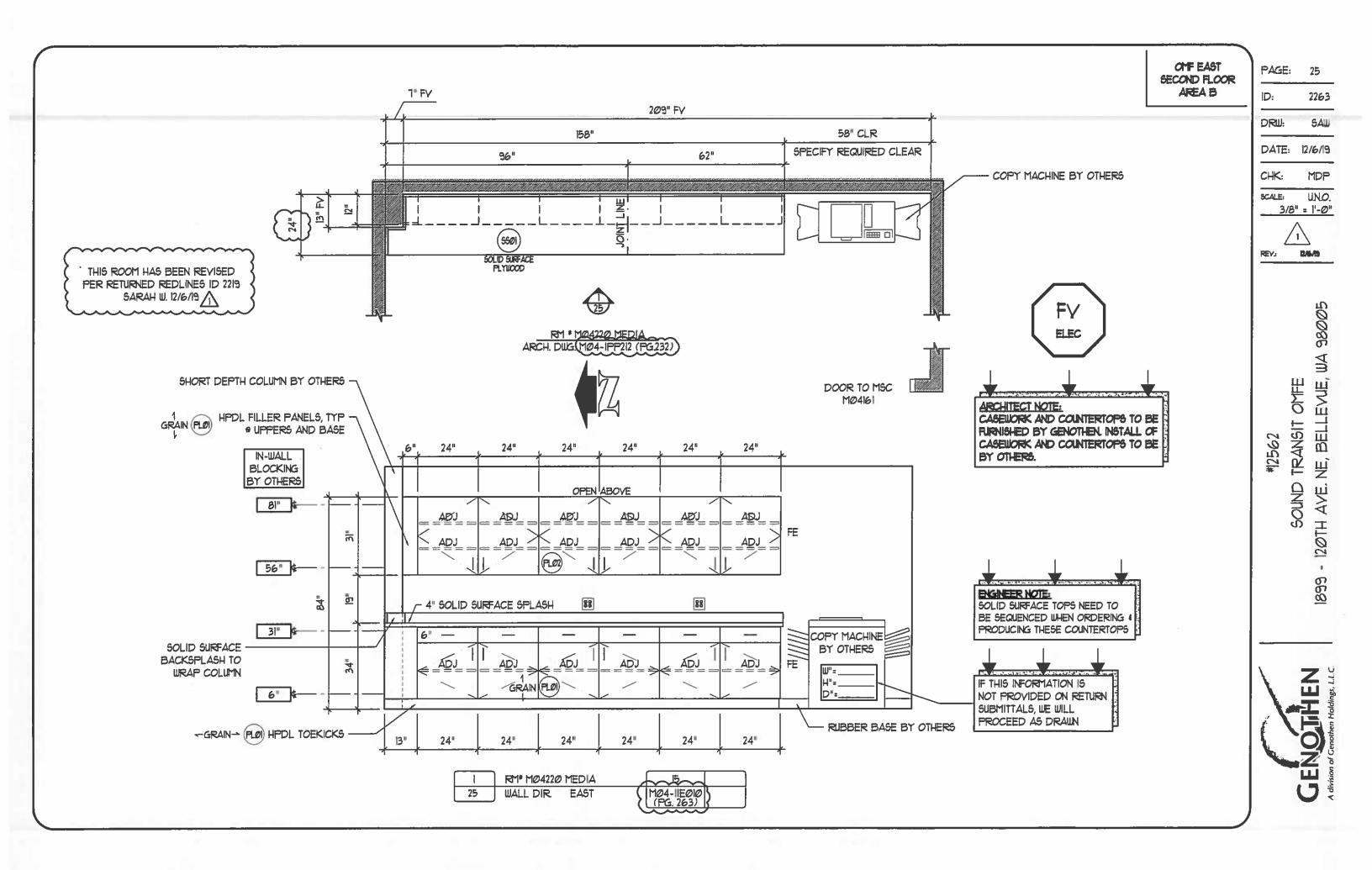


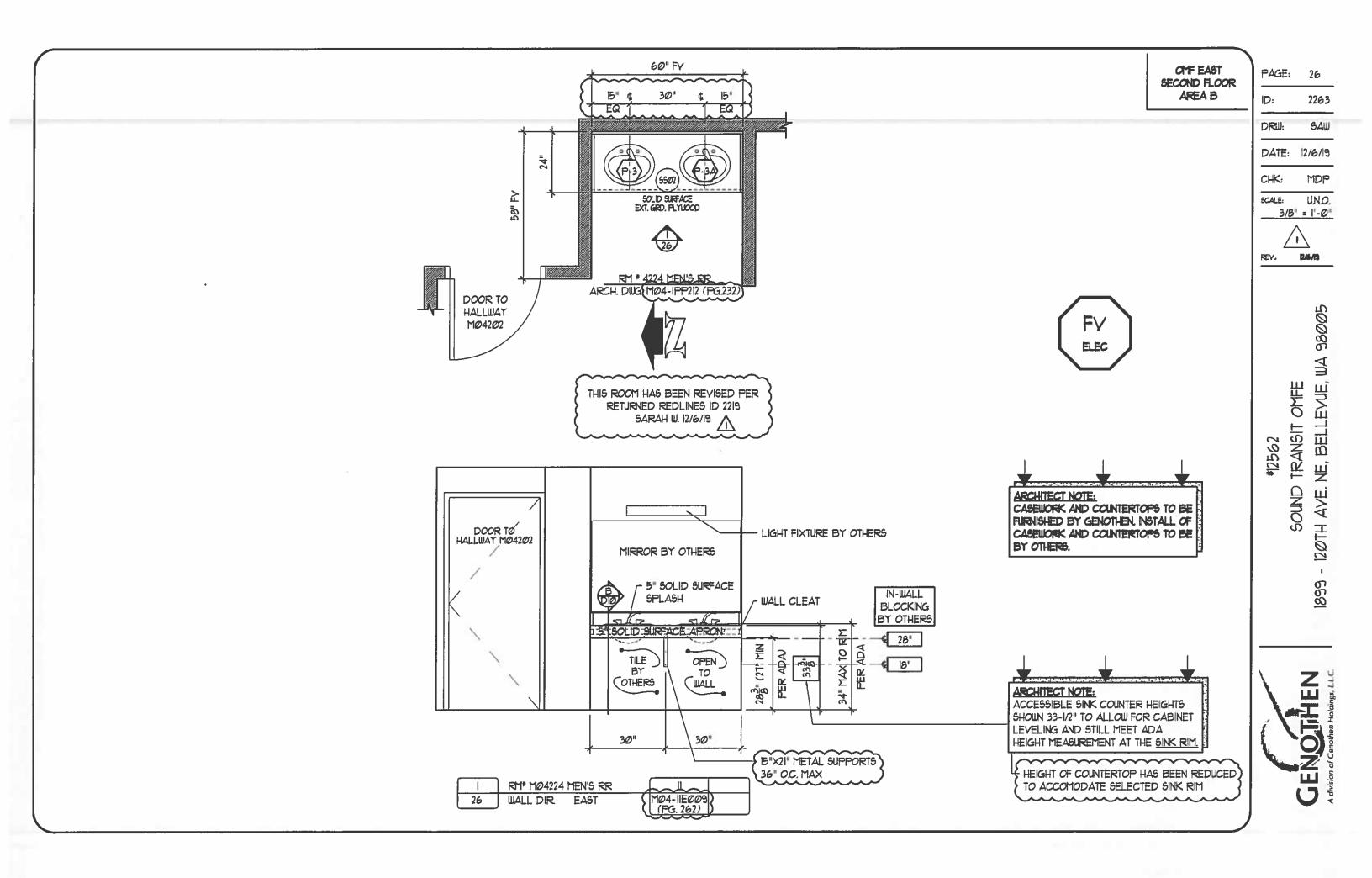


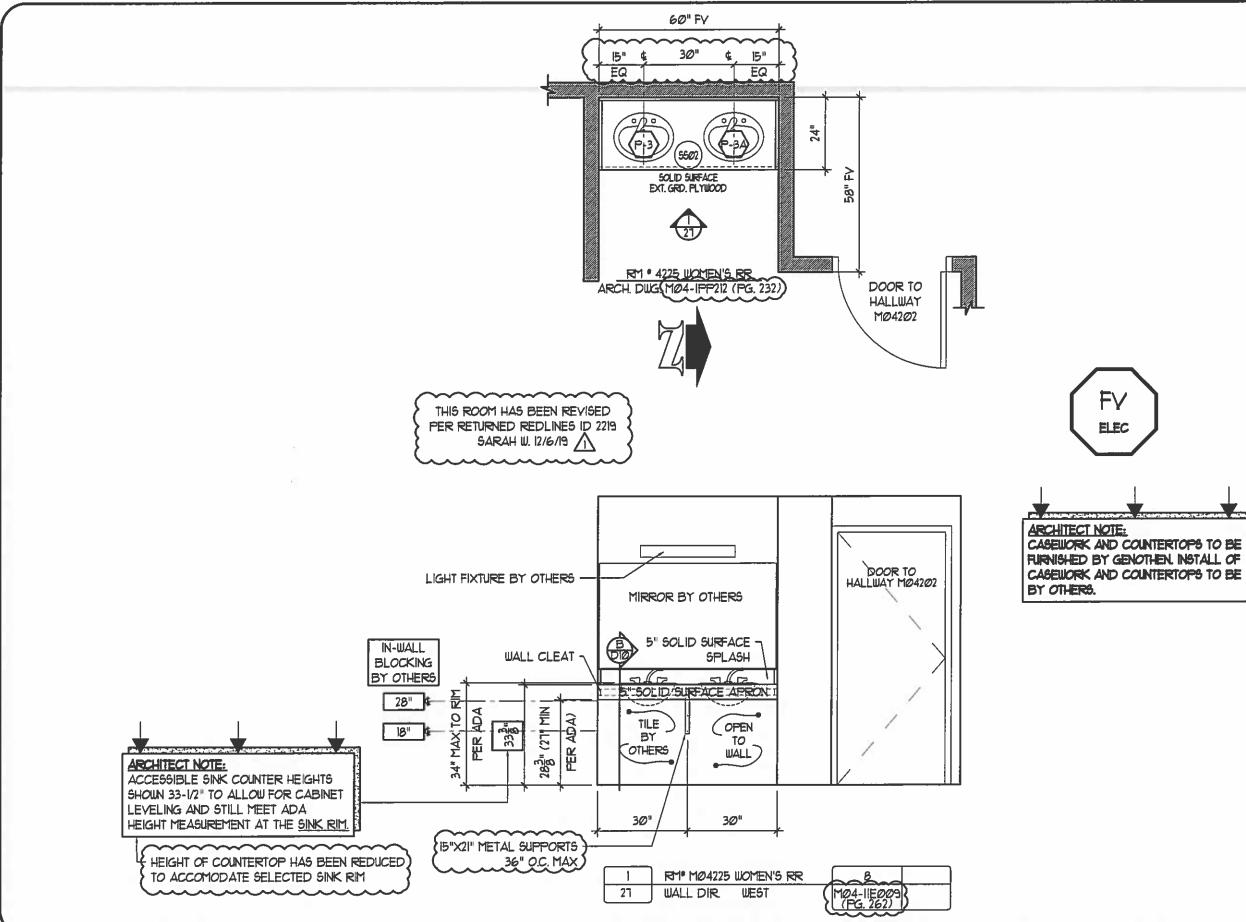




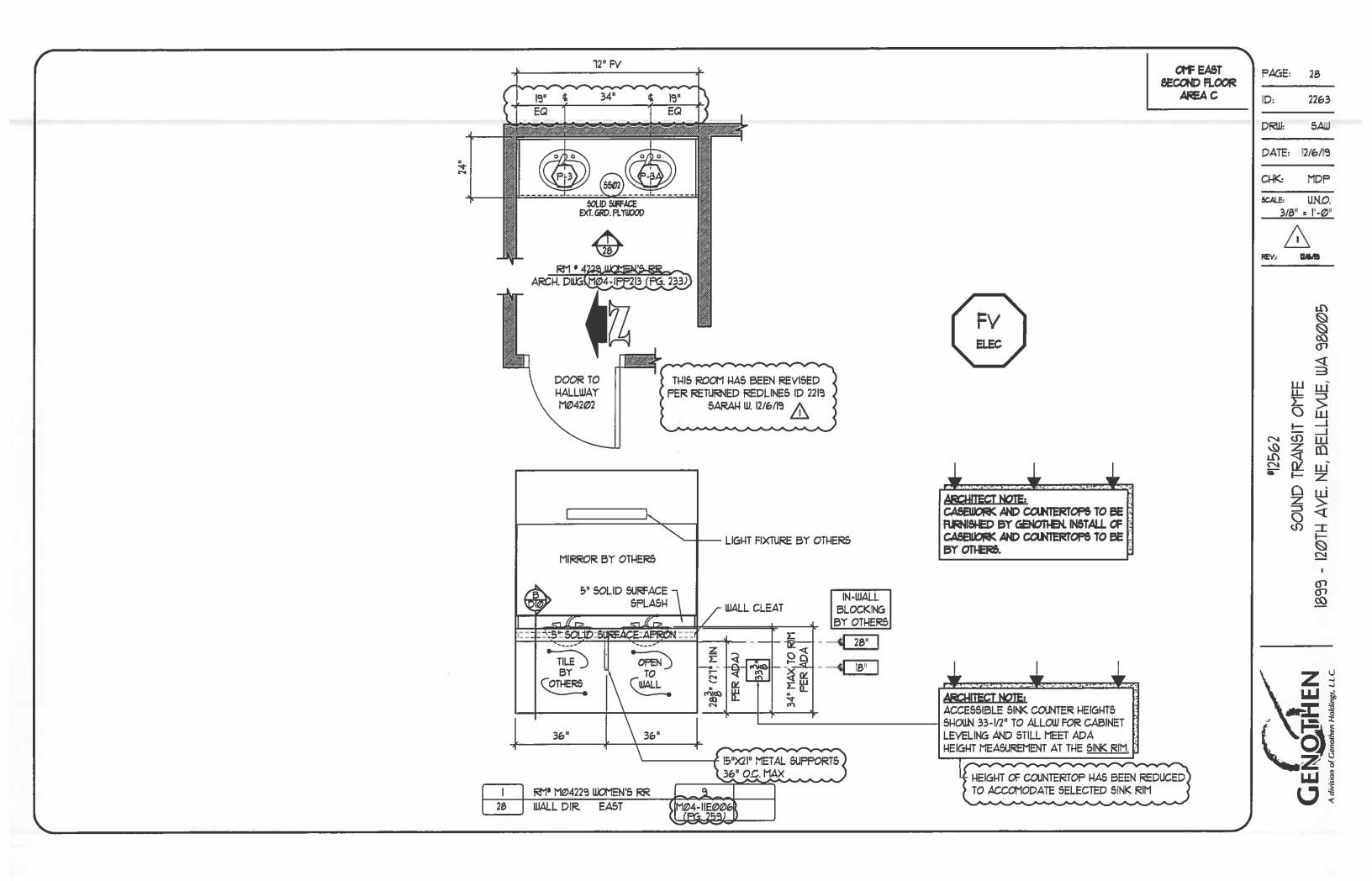


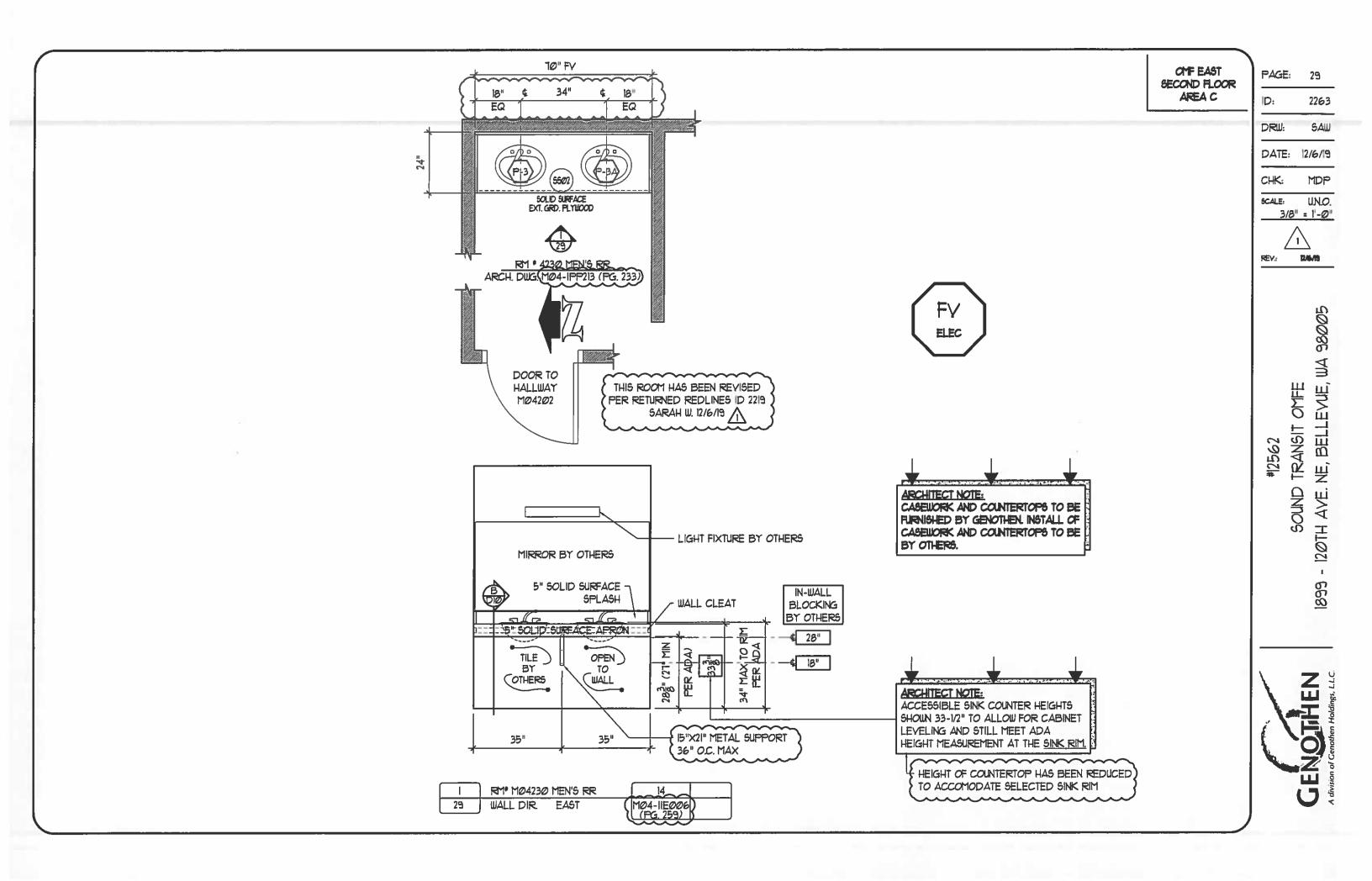


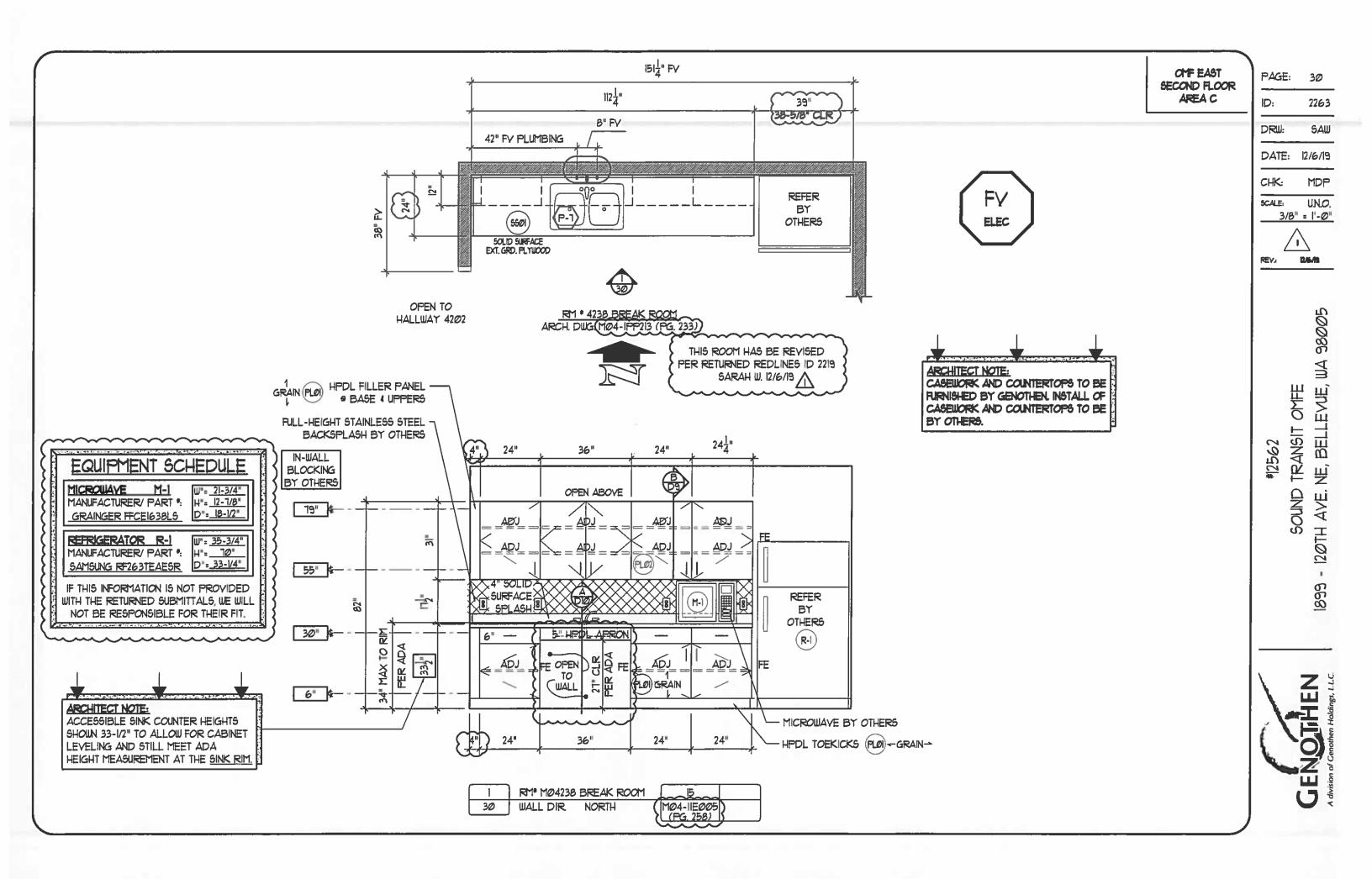


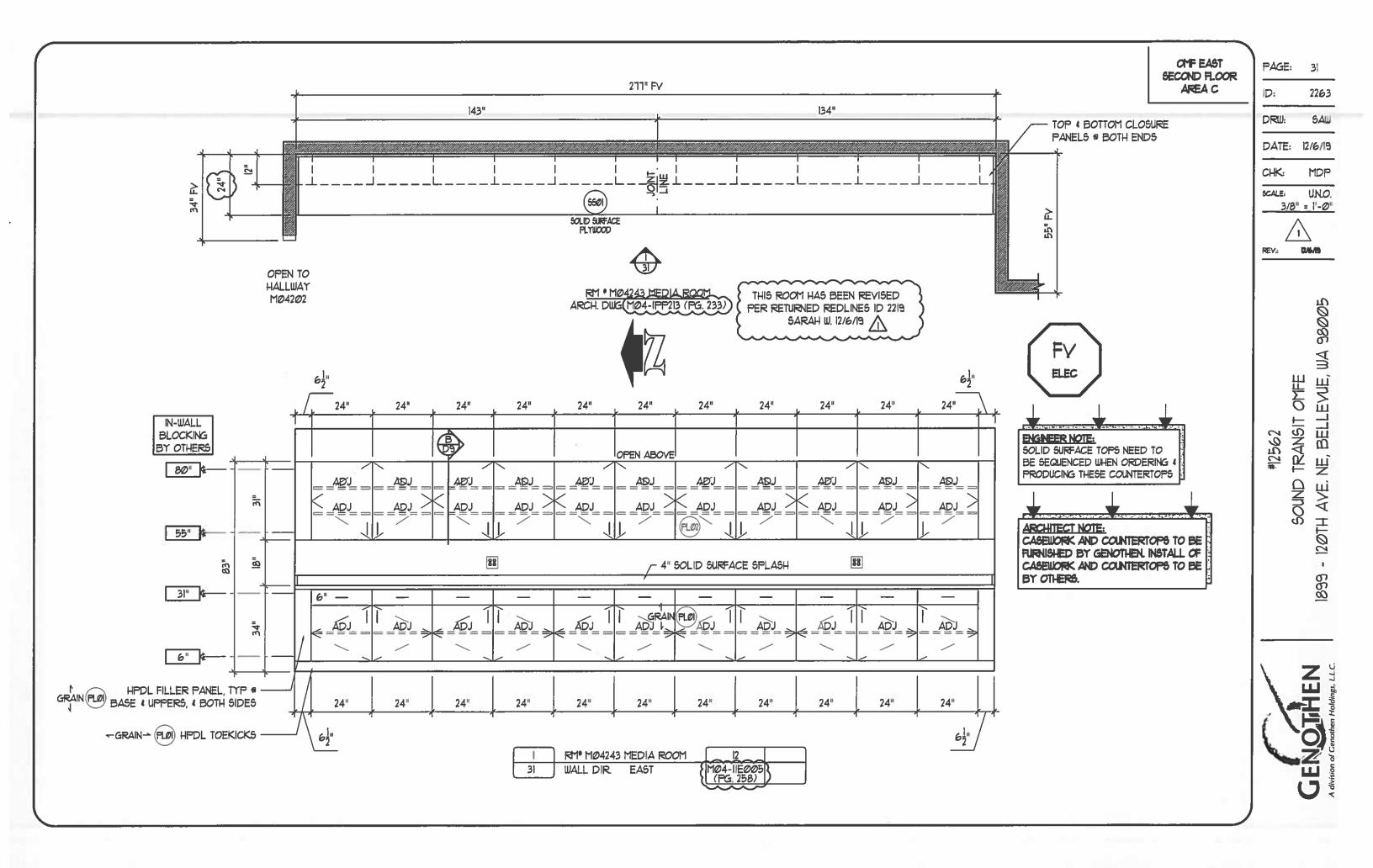


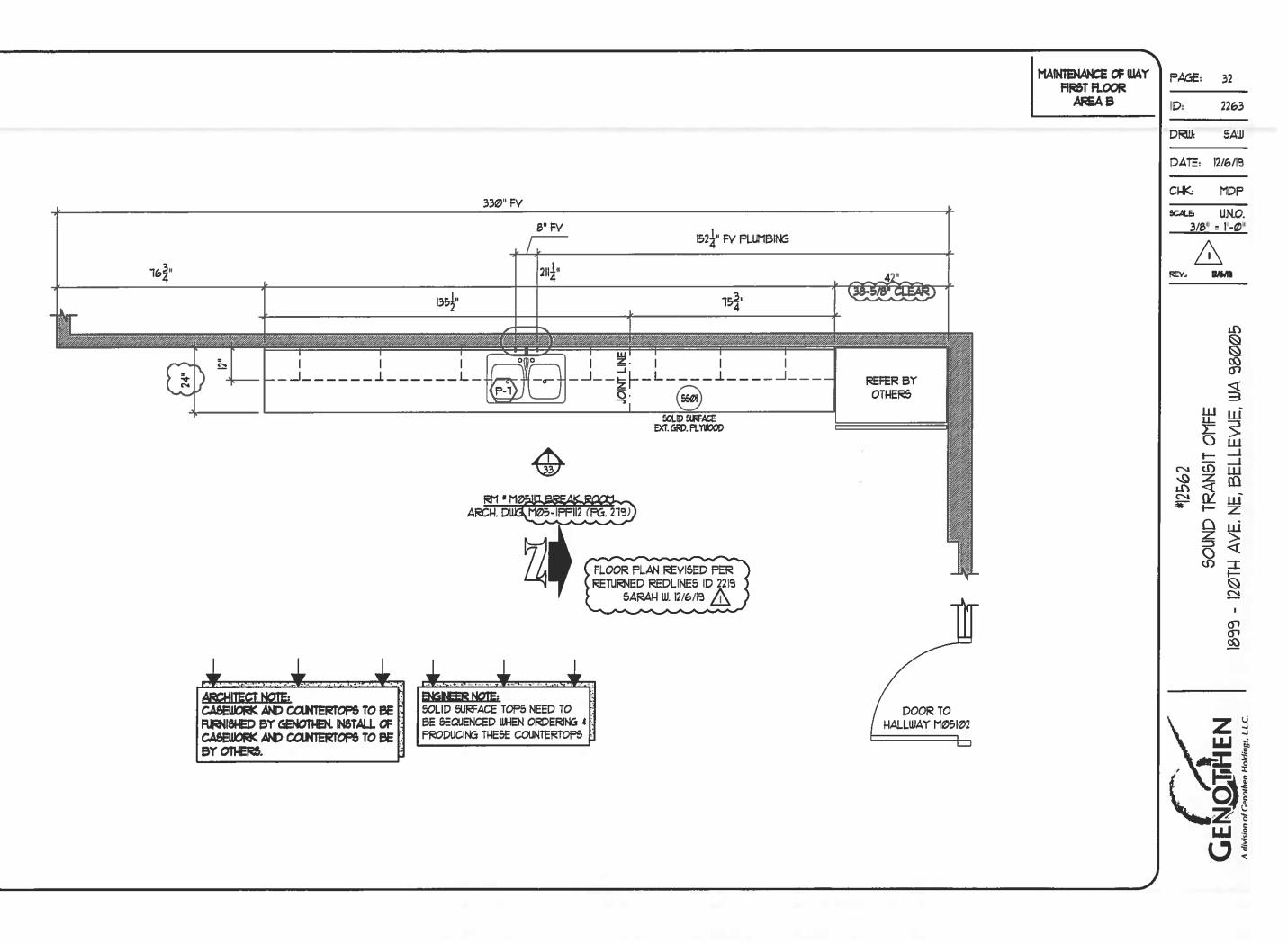
OMF EAST PAGE: 27 SECOND FLOOR AREA B ID: 2263 DRU: SAW DATE: 12/6/19 CHK: MDP SCALE: UNO. 3/8" = 1'-0" /+\ REV. 12/6/10 - 1207H AVE. NE, BELLEVUE, WA 98005 TRANSIT OMFE #12562 Sound 1899 Z (7

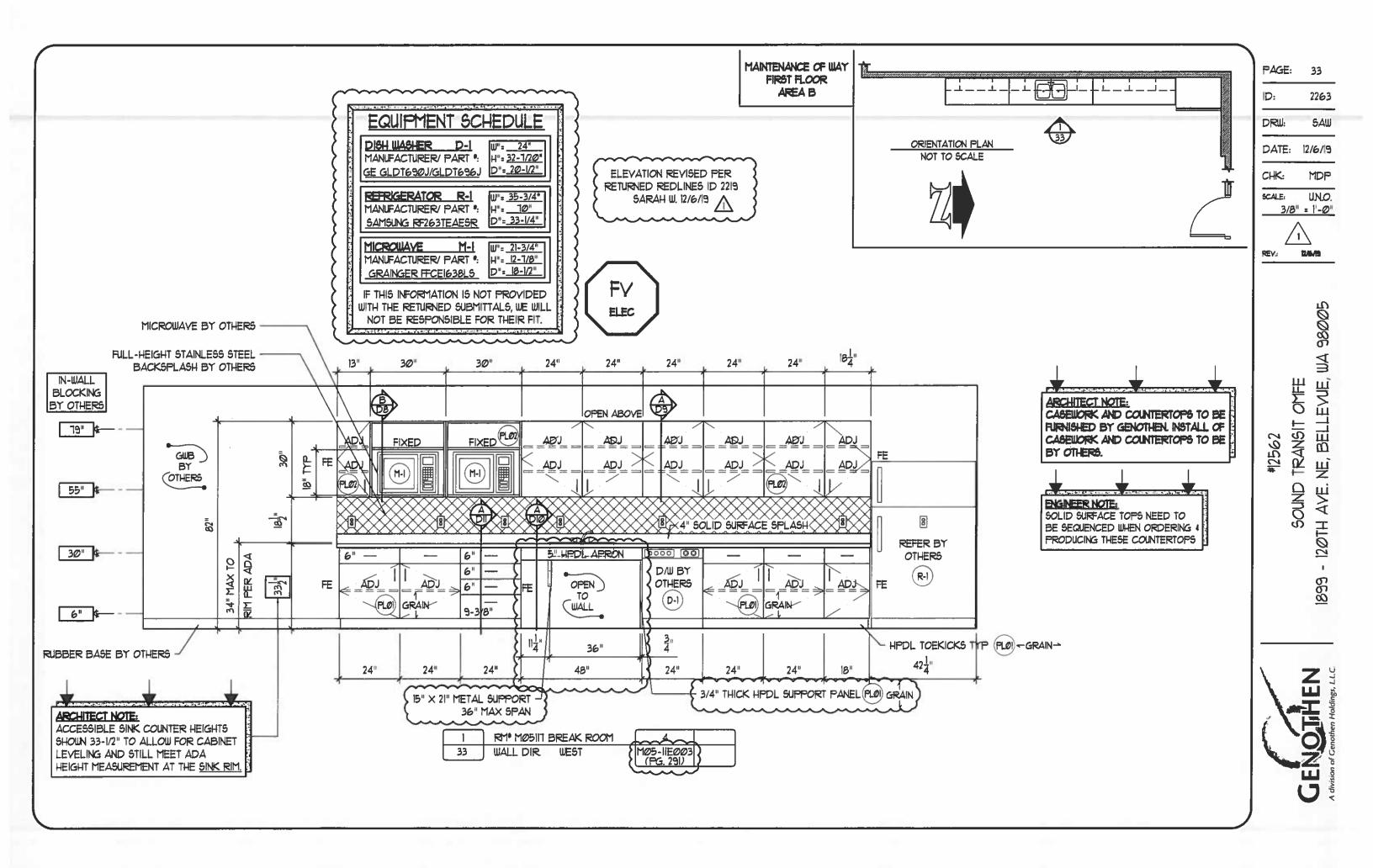


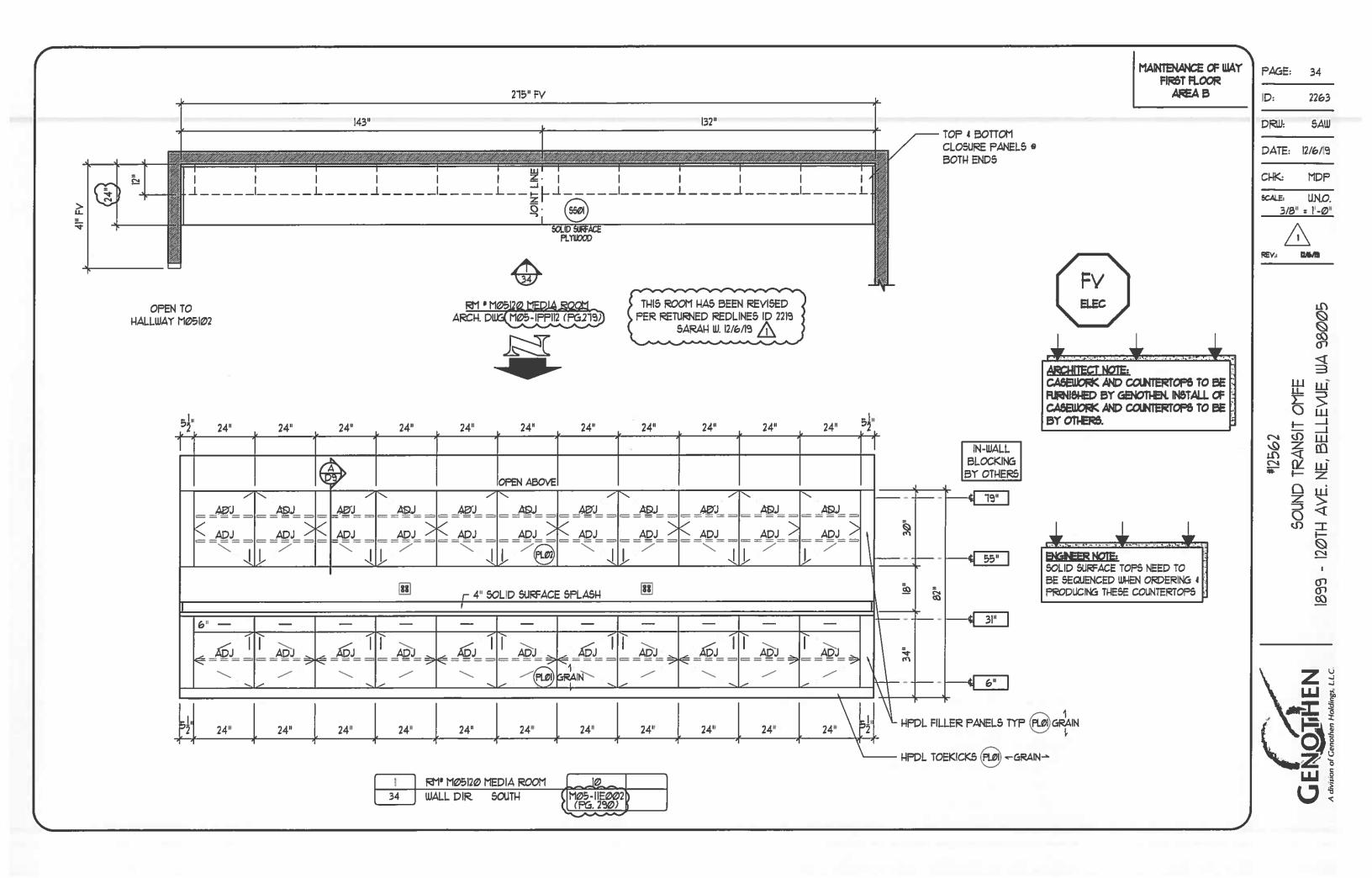


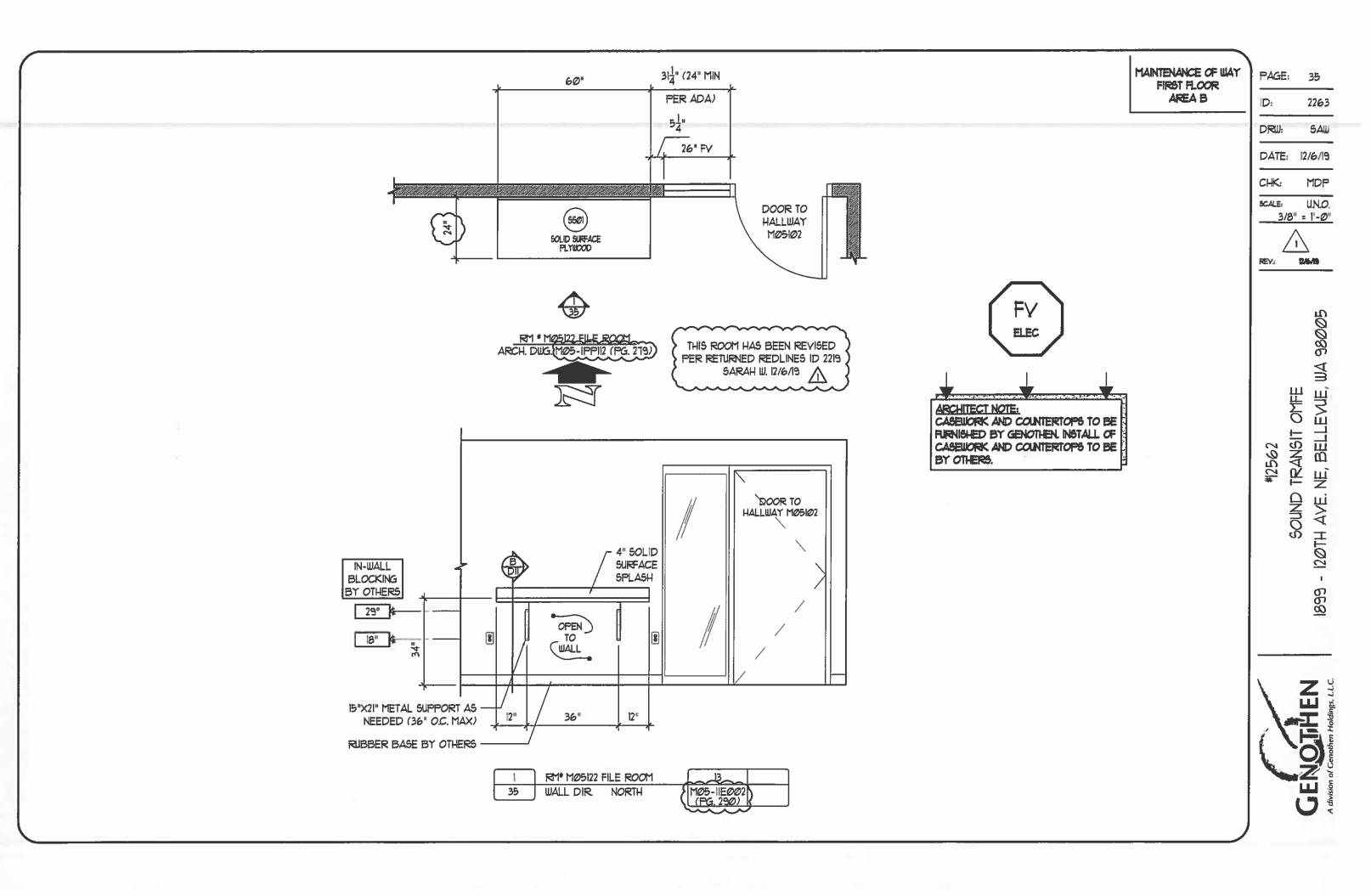


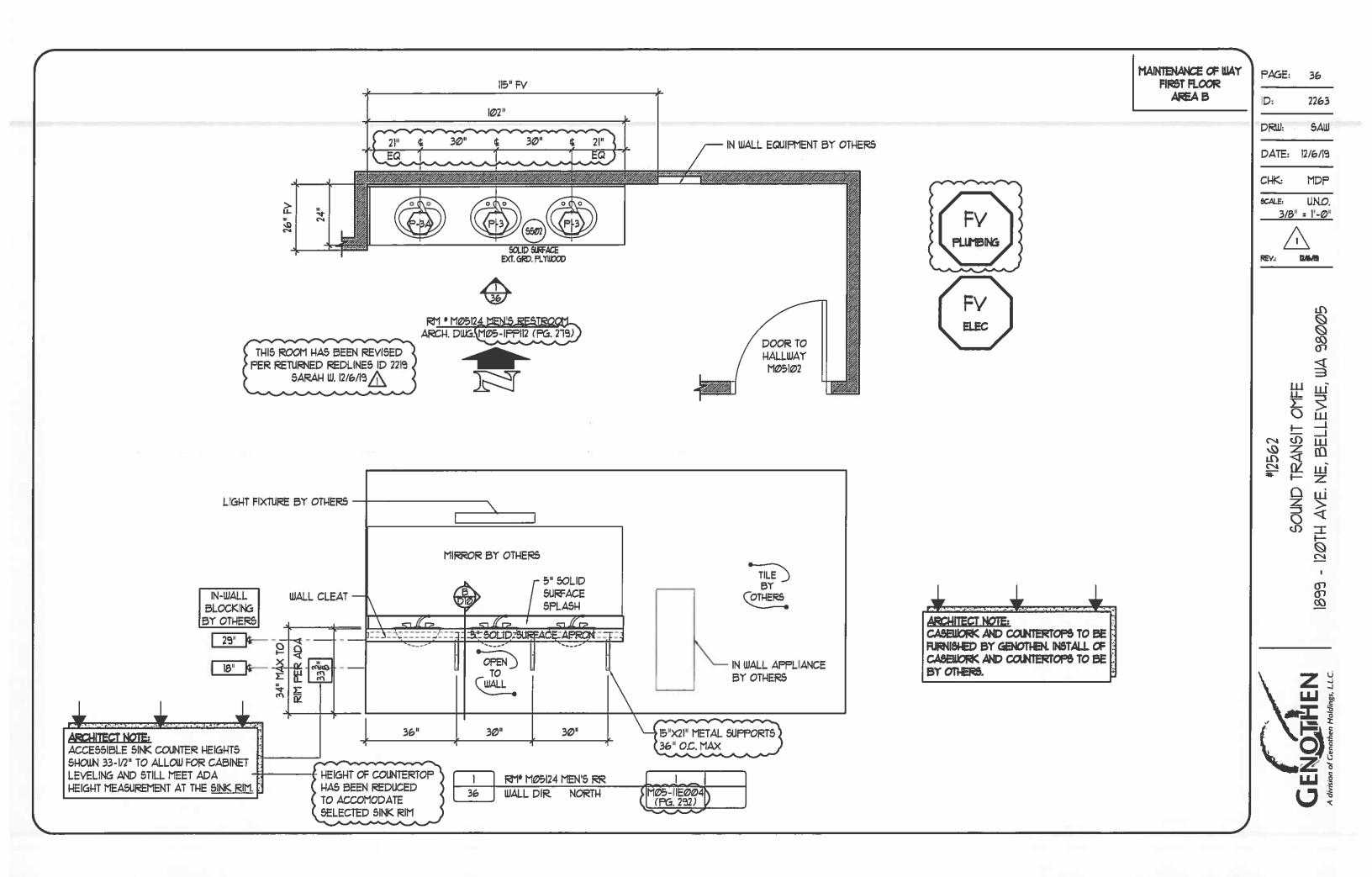


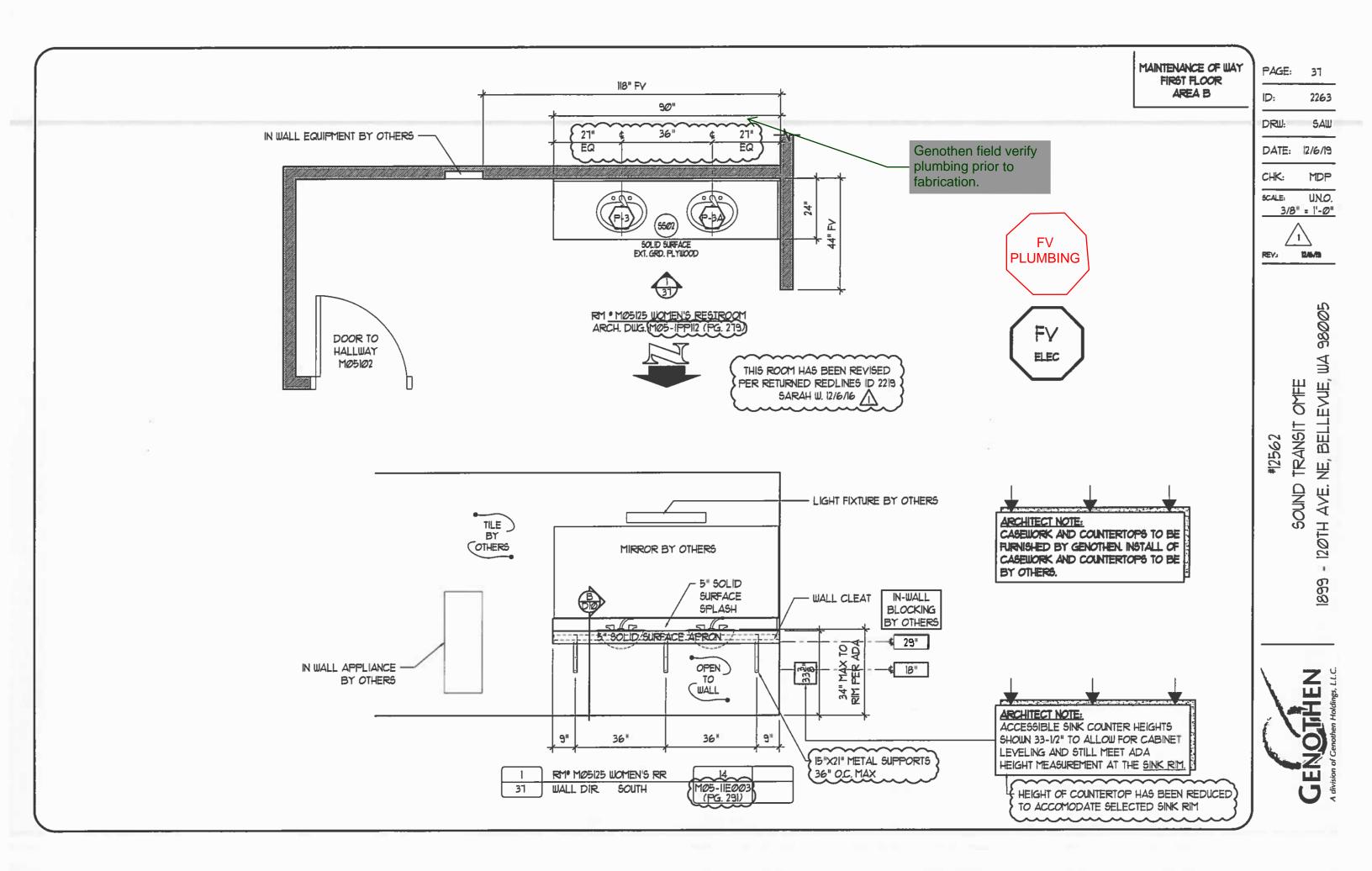












PRODUCT DATA





covered ceiling

•

Anti-microbial paint finish, optional

Non-conductive dead-front trim

• Suitable for steam room application

Luminaire Type: Catalog Number:



General Illumination Shower Downlight

Feature Set

OVERVIEW

- Wipe down flush or regressed lens
- NSF2 Splash/Non-food Zone
- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional

Distribution

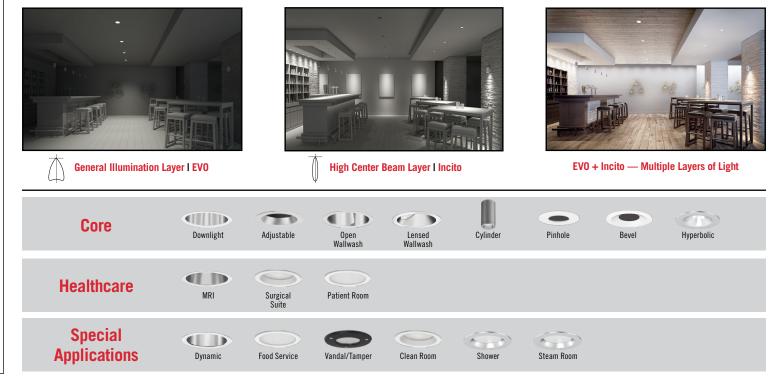
medium wide 1.0 S:MH

Superior Performance (Flush, Clear Lens)

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000
Delivered	219	437	656	857	1274	1729	2187	2624	3062	3499
Wattage	3.4	6.2	8.2	9.6	14.7	19.7	24.7	29.5	33.8	39.0
Efficacy	64.4	70.5	80.0	89.3	86.7	87.8	88.5	88.9	90.6	89.7

*Lumen output for 80CRI - 3500K

Coordinated Apertures | Multiple Layers of Light



GOTHAM ARCHITECTURAL DOWNLIGHTING | 1400 Lester Road Conyers, GA 30012 | P 800-705-SERV (7378) | gothamlighting.com © 2014-2020 Acuity Brands Lighting Inc. All Rights Reserved. Rev. 04/20/20 Specifications subject to change without notice.





A+ Capable options indicated by this color background.

Luminaire Type:

Catalog Number:

EXAMPLE: EV06SH 35/20 DFF SOL MVOLT EZ10

Series	Color Temperature	Nominal Lumen Values	Lens Setting	Lens	Voltage
EVO6SH	27/ 2700 K 30/ 3000 K 35/ 3500 K 40/ 4000 K 50/ 5000 K	02 250 lumens 05 500 lumens 07 750 lumens 10 1000 lumens 15 1500 lumens 20 2000 lumens 25 2500 lumens 30 3000 lumens 35 3500 lumens 40 4000 lumens	DFRRegressed lensed white painted trimDFFFlush lensed white painted trimDFRBRRegressed lensed black painted trimDFFBRFlush lensed black painted trimDFRAMFRegressed lensed trim with anti-microbial finishDFFAMFFlush lensed trim with anti-microbial finish	SOL Textured Lens SMO Smooth Clear Lens	MVOLT 120 277

6"

river ¹	Control Interface	Options					
 210 eldoLED 0-10V ECOdrive. Linear dimming to 10% min. 21 eldoLED 0-10V ECOdrive. Linear dimming to 1% min. 28 eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%. DAB eldoLED SOLOdrive DALI. Logarithmic dimming to <1%. 	NLT ² nLight dimming pack controls NLTER ^{2.3} nLight dimming pack controls emergency circuit	SFSingle fuse. Specify 120V or 277V.ELR4Emergency battery pack, 10W, with remote test switch.E10WCPR4Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switchBGTDBodine generator transfer device. Specify 120V or 277V.90CRIHigh CRI (90+).CPChicago Plenum.					

ACCESSORIES -	— order as separate catalog numbers (shipped separately)
SCA6	Sloped ceiling adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA8 10D. Refer to <u>TECH-190</u> .
CTA4-8 YK	Ceiling thickness adapter for 8,0001m and below (extends mounting frame to accommodate ceiling thickness up to 5"). Adds ~4" to fixture height.
ISD BC	0-10V wallbox dimmer. Refer to I <u>SD-BC</u> .

ORDERING NOTES

- 1. Refer to <u>TECH-240</u> for compatible dimmers.
- Specify voltage. 2.
- 3. For use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
- 4. Not available with CP option.





Optical Assembly

Fully serviceable and upgradeable lensed LED light engine suitable for field maintenance or service from below the ceiling.

Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment.

Electrical

SPECIFICATIONS

The luminaire shall operate from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. The fluctuations of line voltage shall have no visible effect on the luminous output.

h

The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output.

Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.

Input wires shall be 18AWG, 300V minimum, solid copper.

Controls

Luminaire shall be equipped with interface for nLight wired network with integral power supply as per specification.

Dimming

The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 - 10%, 100 - 1.0% or 100 - 0.1% of rated lumen output with a smooth shut off function to step to 0%.

eldoLED LED drivers shall conform to IEEE P1789 standards. Alternatively, manufacturers must demonstrate conformance with product literature and testing which demonstrates this performance. Systems that do not meet IEEE P1789 will not be considered.

Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction

Luminaire housing shall be constructed of 16-gauge galvanized steel and have preinstalled telescopic mounting bars with maximum 32" and minimum 15" extension and 4" vertical adjustment.

Luminaires shall be suitable for installation in ceilings up to 11/2" thick. (specify ceiling thickness adapter to extend frame to accommodate ceiling thickness up to 5").

Tool-less adjustments shall be possible after installation.

The assembly and manufacturing process for the luminaire shall be designed to assure all internal components are adequately supported to withstand mechanical shock and vibration.

25°C ambient temperature standard (1/2" clearance on all sides from non-combustible materials in non-IC applications, unless marked spacing noted otherwise). For use in insulated ceilings, a 3" clearance on all sides from insulation is required (unless marked spacing noted otherwise).

Listings

Fixtures are CSA certified to meet US and Canadian standards: All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling.

Photometrics

LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours.

Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 6,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by a point at the intersection of the CCT line and the black body locus line in CIE chromaticity space.

Warranty

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

Note:

Actual performance may differ as a result of end user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

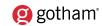
****** Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning. • All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency

- An comparation in and an and a fear the control of the state of the st
- This luminaire is part of an A+ Certified solution for nLight^{*} control networks when ordered with drivers marked by a shaded background^{*}
- This luminaire is part of an A+ Certified solution for nLight^{*} control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background^{*}

To learn more about A+, visit <u>www.acuitybrands.com/aplus</u>.

*See ordering tree for details







General Illumination Shower Downlight

	DFF SMO - Flush Clear																	
Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000								
Delivered	219	219 437 656 85		857	1274	1729	2187	2624	3062	3499								
Wattage	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4		6.2	8.2	9.6	14.7	19.7	24.7	29.5	33.8	39.0
Efficacy	64.4	70.5	80.0	89.3	86.7	87.8	88.5	88.9	90.6	89.7								

*Lumen output for 80CRI - 3500K

	DFF SOL - Flush Textured														
Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000					
Delivered			839	839 1247 1693		2141	2569	2997 33.8	3426						
Wattage			14.7	19.7	24.7	29.5	39.0								
Efficacy	Efficacy 62.9 69.0 78.3 87.4						86.7	87.1	88.7	87.8					

*Lumen output for 80CRI - 3500K

	DFR SMO - Flush Clear														
Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000					
Delivered	Delivered 168 336 505 659		659	659 980 133		1682	2018	2355	2691						
Wattage	3.4	6.2	8.2	9.6	14.7	19.7	24.7	29.5	33.8	39.0					
Efficacy	49.4	54.2	61.6	68.6	66.7	67.5	68.1	68.4	69.7	69.0					

*Lumen output for 80CRI - 3500K

	DFR SOL - Regressed Textured														
Nominal Lumens 250 500 750 1000 1500 2000 2500 3000 3500 4															
Delivered	162	325	487	636	946	1283	1623	1948	2272	2597					
Wattage	3.4	6.2	8.2	9.6	14.7	19.7	24.7	29.5	33.8	39.0					
Efficacy	47.6	52.4	59.4	66.3	64.4	65.1	65.7	66.0	67.2	66.6					

*Lumen output for 80CRI - 3500K

	Driver	Control Provided (note: 347V/UVOLT versions provided with 347 option selected)									
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIRER2						
GZ10	0-10V driver dims to 10%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2						
GZ1	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2						
EZ10	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2						
EZ1	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2						
EZB	eldoLED 0-10V SOLOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2						

How to Estimate Delivered Lumens in Emergency Mode

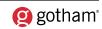
Delivered Lumens = 1.25 x P x LPW

P = Output power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

E	VO - eldoLED Driv	er Default Dimming	Curve
Nomenclature	Min Dimming	Driver Dim Curve	Control Dim Curve
EZ10	10%	Linear	Linear/Logarithmic
EZ1	1%	Linear	Linear/Logarithmic
EXA1	1%	Linear	Linear/Logarithmic
EZB	<1%	Logarithmic	Linear
EDAB	<1%	Logarithmic	Linear
EXAB	<1%	Logarithmic	Linear
EDXB	<1%	Square	Linear

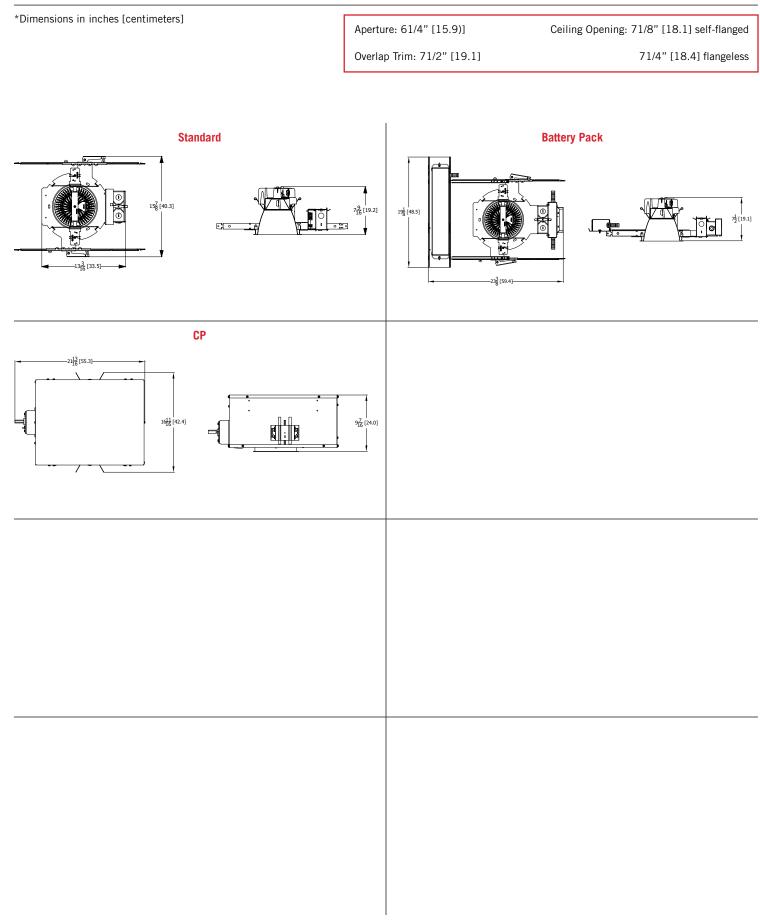
Lu	imen Output Mult	iplier
CRI	CCT	Multplier
	2700K	0.96
	300K	1.00
80	3500K	1.00
	4000K	1.01
	5000K	1.07
	2700K	0.80
	300K	0.83
90	3500K	0.85
	4000K	0.87
	5000K	0.91





DIMENSIONAL DATA

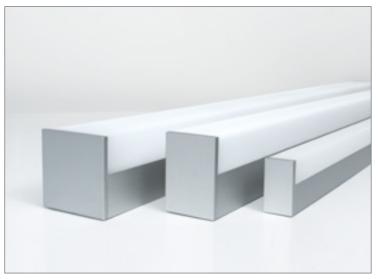






BIRCHWOOD | a **LEVITON**® lighting company

www.birchwoodlighting.com



325/225/125



1.25", 2.25", 3.25" Profile

NOLAN LED

Cable Suspended | Surface

With its 1.25", 2.25" and 3.25" wide linear profile, NOLAN provides specification grade design and luminance to the refined architectural market.

Featuring our highest quality ¼" machined aluminum end-caps and heavy gauge housing, NOLAN is handcrafted to remain beautiful while still working hard. A variety of mounting configurations allows NOLAN the flexibility to be utilized in applications such as: offices, corridors, residential or retail establishments. Surface mounted, the low profile of NOLAN also meets ADA requirements.

The precision-edged extruded acrylic lens satisfies the design sophistication required by specifiers, yet also provides effortless removal and exact snap-in lens replacement every time, making NOLAN a dream to maintain.



UL and c-UL listed for dry and damp locations.

Made in the USA

FIXTURE SPECIFICATIONS

Construction

Heavy gauge extruded aluminum housing. 1/4" thick precision machined aluminum end-caps. Extruded acrylic lenses specifically engineered to maximize the performance and transmission from a variety of light sources.

Fixture Length

Fixtures are available in nominal lengths of 2, 3, 4, 6 and 8 feet. Continuous run mounting available featuring internal adjoining bracket and splines for a straight and precise installation. See options for details.

Finishes

(SC) Satin Clear anodize is standard. (MW) Matte White or (FB) Flat Black powder coat finishes optional. Custom finishes available consult factory. LED Light Output System

LED Light Output is available as HLO (High Lumen Output) and SLO (Standard Lumen Output) providing efficient illumination. CLO (Custom Lumen Output) allows for end user specified lumen output or tailored wattage consumption for certain models. Consult factory for details.

Dimming

Dimming is available with a variety of control protocols and options. Consult factory for availability and specifications.

Acrylic Lens and Indirect Shield Options

(FW) Frosted White, (TDW) Teardrop shaped Frosted White and (FT) Prismatic Sided Frosted White. (INS) Indirect Shield in either flat black, silver or matte white powder coat finish. Mountina

Field-adjustable 1/16" aircraft (CSS) Cable

Suspension System for use with bracket bar, 5" round canopy and cable gripper device. 36" aircraft cable and (G) Gray power cord included as standard. Please specify (CSS-DR) Cable Suspended Direct or (SM) Surface Mount. Other cable lengths and power cord styles are available, see options guide or consult factory.

Custom and Mods

We proudly specialize in manufacturing custom and modified luminaires and have the ability to modify most of our standard fixtures. Please contact factory with any inquiries.

BIRCHWOOD | a **LEVITON**®

Job Name:

NOLAN LED

1.25", 2.25", 3.25" Profile

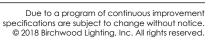
www.birchwoodlighting.com

Type:

CSS selections only³ SPECIFICATION CODE model finish mounting standard options light color length lens voltage driver standard standard standard options output temp cable length cord color canopy canopy finish Light Color Nominal Voltage Driver Model Output Temp Length Finish Lens Mounting Options NOL-LED-125 SLO -27 - 2700K FW - Frosted EB -CSS-DR -CSS³ - Cable Length 2 - 2' Anodized 120 Standard 30 - 3000K CSS³ - Power Cord NOLAN 1.25' **3** - 3' SC - Satin White Electronic Cable 277 wide linear Lumen Output 35 - 3500K <mark>4</mark> - 4' Clear (standard) Suspended Color ĕ 3476 CSS³ - Canopy HLO -40 - 4000K profile 6 - 6' TDW9 - Teardrop Direct High Powder Coat Frosted White Dimming CSS³ - Canopy Finish 8 - 8' NOL-LED-225 **D1** - 1% (nom) Lumen Output SM -MW - Matte CLO⁶___ 0-10V FT⁸ - Prismatic **INSS⁵** - Indirect Shield NOLAN 2.25' CR¹ White Surface wide linear Custom Continuous FB -Flat Sided Frosted White HLA27 - LTEA2W Mount Silver Lumen Output profile Run Black Lutron H-Lume 1%, CUP - Custom² **INSM⁵** - Indirect Shield 2 wire NOL-LED-325 MTR-R¹⁰ **CLO** Calculator Matte White HL -NOI AN 3 25" Miter Run LDE1 Lutron **INSF⁵** - Indirect Shield wide linear Hi-Lume 1% Ecoprofile Flat Black System HL5 - LDE5 EM⁴ - Emergency Bat-Lutron 5 series **CSS** Options tery Pack EcoSystem Power Cord Color **Cable Length Canopy Finish** DALI - DALI Canopy 36 - 36" (standard) W - White STND - Bracket bar w/5" MW - Matte White 72 - 72 B - Black round canopy SMT - Silver Matte Texture LED **120 -** 120" FB - Flat Black NC - No canopy 1/4-20 side exit G - Gray (standard) CUP - Custom (contact factory) cable gripper (1/4-20 stud 125 (4000K FW lens) provided by others) CU - Custom (contact factory) SLO - 112.1 Im/watt delivered @ 2.8 w/ft fixture input watts, 314 Im/ft. HLO - 108.1 lm/watt delivered @ 5.8 w/ft fixture input watts, 627 lm/ft. CLO - refer to CLO Calculator 125 LED supplement info FT Lens Description (325 only) 225 (4000K FW lens) NOTES specify length in nominal feet, see CR matrix sheet Frosted White SLO - 120.4 lm/watt delivered @ 2.9 w/ft fixture input watts, 349 lm/ft. 2 contact factory for custom finish Clear HLO - 118.2 lm/watt delivered @ 5.9 w/ft fixture input watts, 698 lm/ft. see CSS options above for non-standard selections 3 CLO - refer to CLO Calculator Prismatic consult factory for EM options, remote only for 125/225 225 LED supplement info Sides standalone fixtures only 5 available for EB, D1, D10 drivers only 6 325 (4000K FW lens) 120V only 7 SLO - 112.8 lm/watt delivered @ 4.4 w/ft fixture input watts, 497 lm/ft. 8 325 only 9 225 only, not available with INS option HLO - 106 lm/watt delivered @ 9 w/ft fixture input watts, 955 lm/ft CLO - refer to CLO Calculator 10see miter worksheet for specification (detailed drawing required) FT - Prismatic Sided 325 LED supplement info Frosted White *see instruction sheet for more information Options in Green qualify for the 10 day **see option sheet for details shipping program. Refer to the 10 day Dimensions shipping guide for more details. 125 225-TDW 225-FW 325 SURFACE MOUNTING (SM) 4 1/2 ength NTEGRAL DRIVER INTEGRAL DRIVER EXTRUDED ALUMINUM REMOTE DRIVER EXTRUDED ALUMINUM INS -HOUSING HOUSING 5 EXTRUD Indirect ALUMINUN HOUSING LED LED Shield -1/4" to ARIOUS ACRYLIC LENS ACRYLIC LENS ACRYLIC FW ACRYLIC LENS See

Birchwood Lighting • 3340 E. La Palma Avenue • Anaheim, CA 92806 714.550.7118 fax 714.550.7151

CROSS SECTION



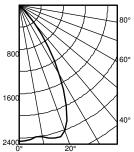
V-0819

CROSS SECTION

CROSS SECTION



EV06SH 35/25 AR MWD LS 80CRI INPUT WATTS: 24.7W, DELIVERED LUMENS: 2536.7LM, LPW = 102.7, 1.03 S/MH, TEST NO: LTL27783P2461 pf



							рс		80%	\$		70%			50%							
		Ave	Lumens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%						
•	0	2469		0° - 30°	1830.5	72.2	0	119	119	119	116	116	116	111	111	111			50% be		10% be	
	5	2432	231	0° - 40°	2403.3	94.7	1	111	108	106	109	106	104	105	103	101			54.4	l°.	77.9	1°
	15	2487	698	0° - 60°	2534.3	99.9	2	103	99	96	101	98	95	98	95	93		Inital FC				
	25	2002	901	0° - 90°	2536.7	100.0	3	96	91	87	95	90	87	92	88	85	Mounting	Center				
0	35	932	573	90° - 180°	0.0	0.0	4	90	84	80	89	84	80	87	82	79	Height	Beam	Diameter	FC	Diameter	FC
	45	135	124	0° - 180°	2536.7	*100.0	5	84	78	74	83	78	74	81	77	73	8.0	81.6	5.7	40.8	8.9	8.2
	55	4	7		Efficiency	,	6	79	73	69	78	73	69	77	72	68	10.0	43.9	7.7	21.9	12.1	4.4
	65	1	1		,		7	74	68	64	74	68	64	72	67	63	12.0	27.4	9.8	13.7	15.3	2.7
	75	1	1				8	70	64	60	69	64	60	68	63	59	14.0	18.7	11.8	9.3	18.6	1.9
	85	0	0				9	66	60	56	65	60	56	64	59	56	16.0	13.5	13.9	6.8	21.8	1.4
0	90	0	-				10	62	56	52	62	56	52	61	56	52						

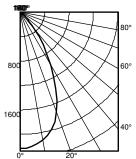
20%

6"

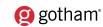
EV06SH 35/25 DFF SM0 80CRI INPUT WATTS: 24.7W, DELIVERED LUMENS: 2186.6LM, LPW = 88.5, 1 S/MH, TEST NO: LTL29886P477

							pf pc		80%		20	% 70%			50%							
		Ave	Lumens	Zone	Lumens	% Lamp	pw	50%		10%	50%		10%	50%		10%						
80°	0	2259		0° - 30°	1590.7	72.7	0	119	119	119	116	116	116	111	111	111			50% b		10% be	
	5	2249	213	0° - 40°	2053.0	93.9	1	111	108	106	109	106	104	105	103	101			52.	4°	76.8	3°
	15	2231	622	0° - 60°	2176.1	99.5	2	103	99	96	101	98	95	98	95	93		Inital FC				
	25	1677	756	0° - 90°	2186.6	100.0	3	96	91	87	95	90	87	92	88	85	Mounting	Center				
800 + 1 1 1 1 1 60°	35	745	462	90° - 180°	0.0	0.0	4	90	85	80	89	84	80	87	82	79	Height	Beam	Diameter	FC	Diameter	FC
	45	121	109	0° - 180°	2186.6	*100.0	5	84	79	74	83	78	74	82	77	73	8.0	74.7	5.4	37.3	8.7	7.5
	55	14	14	,	Efficiency	/	6	79	73	69	78	73	69	77	72	68	10.0	40.2	7.4	20.1	11.9	4.0
	65	6	6				7	74	68	64	74	68	64	72	67	64	12.0	25.0	9.3	12.5	15.1	2.5
	75	3	3				8	70	64	60	70	64	60	68	63	60	14.0	17.1	11.3	8.5	18.2	1.7
1600	85	0	1				9	66	60	56	66	60	56	65	60	56	16.0	12.4	13.3	6.2	21.4	1.2
40°	90	0	-				10	63	57	53			53		56							

EV06SH 35/25 DFF SOL 80CRI INPUT WATTS: 24.7W, DELIVERED LUMENS: 2140.5LM, LPW = 86.6, 0.9 S/MH, TEST NO: LTL29885P477

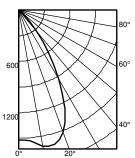


							pf				20												
				_			рс		80%			70%			50%								
		Ave	Lumens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	<u>30%</u>	<u>10%</u>							
80°	0	2235		0° - 30°	1386.4	64.8	0	119	119	119	116	116	116	111	111	111			50% be		10% be		
	5	2207	208	0° - 40°	1797.0	84.0	1	110	107	104	107	105	103	103	101	99			47.8	}°	76.7	7°	
	15	1991	552	0° - 60°	2046.6	95.6	2	101	96	93	99	95	92	96	92	89		Inital FC					
	25	1380	626	0° - 90°	2138.9	99.9	3	93	88	83	92	87	83	89	85	81	Mounting	Center					
60°	35	652	411	90° - 120°	0.0	0.0	4	87	81	76	85	80	75	83	78	74	Height	Beam	Diameter	FC	Diameter	FC	
00	45	212	173	90° - 130°	0.0	0.0	5	81	74	70	80	74	69	78	73	69	8.0	73.9	4.9	36.9	8.7	7.4	
	55	82	76	90° - 150°	0.7	0.0	6	75	69	64	74	68	64	73	68	64	10.0	39.7	6.6	19.9	11.9	4.0	
	65	50	50	90° - 180°	1.6	0.1	7	71	64	60	70	64	59	69	63	59	12.0	24.8	8.4	12.4	15.0	2.5	
	75	31	33	0° - 180°	2140.5	*100.0	8	66	60	56	66	60	55	65	59	55	14.0	16.9	10.2	8.5	18.2	1.7	
	85	8	10	*	Efficiency		9	62	56	52	62	56	52	61	55	52	16.0	12.3	12.0	6.1	21.4	1.2	
40°	90	0			,		10	59	53	49	59	53	49	58	52	49							



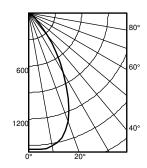


EV06SH 35/25 DFR SM0 80CRI INPUT WATTS: 24.7W, DELIVERED LUMENS: 1682LM, LPW = 68, 1.08 S/MH, TEST NO: LTL29888P477

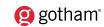


							pf pc		80%			% 70%			50%							
		Ave	Lumens	Zone	Lumens	% Lamp	po wq			10%			10%	50%								
,	0	1524		0° - 30°	1176.6	69.9	0	119	119	119	116	116	116	111	111	111			50% be		10% be	
	5	1538	150	0° - 40°	1558.9	92.7	1	111	108	106	108	106	104	104	103	101			55.3	3°	79.5	j°
	15	1624	453	0° - 60°	1673.7	99.5	2	103	99	95	101	97	94	98	95	92		Inital FC				
	25	1278	574	0° - 90°	1682.1	100.0	3	96	91	87	94	90	86	92	88	85	Mounting	Center				
,	35	614	382	90° - 180°	0.0	0.0	4	89	84	79	88	83	79	86	82	78	_Height	Beam	Diameter	FC	Diameter	
	45	117	103	0° - 180°	1682.1	*100.0	5	83	78	73	83	77	73	81	76	72	8.0	50.4	5.8	25.2	9.2	5.0
	55	11	11	*	Efficiency		6	78	72	68	77	72	68	76	71	67	10.0	27.1	7.9	13.5	12.5	2.7
	65	5	5				7	73	67	63	73	67	63	71	66	62	12.0	16.9	10.0	8.4	15.8	1.7
	75	2	3				8	69	63	59	68	63	59	67	62	58	14.0	11.5	12.1	5.8	19.1	1.2
	85	1	1				9	65	59	55	64	59	55	63	58	55	16.0	8.4	14.2	4.2	22.5	0.8
,	90	0					10	61	55	51	61	55	51	60	55	51						

EV06SH 35/25 DFR SOL 80CRI INPUT WATTS: 24.7W, DELIVERED LUMENS: 1623.2LM, LPW = 66.7, 0.97 S/MH, TEST NO: LTL29887P477



						pf pc		80%		20	% 70%			50%							
	Ave	Lumens	Zone	Lumens	% Lamp	po			, 10%	50%			50%								
0	1546		0° - 30°	1033.2	63.7	0	119	119	119	116	116	116	111	111	111			50% be		10% be	
5	1549	147	0° - 40°	1369.7	84.4	1	110	107	105	108	105	103	104	102	100			50.6	5°	79.3	}°
15	1460	405	0° - 60°	1570.9	96.8	2	101	97	93	99	95	92	96	93	90		Inital FC				
25	1061	481	0° - 90°	1623.2	100.0	3	94	88	84	92	87	83	89	85	82	Mounting					
35	538	337	90° - 180°	0.0	0.0	4	87	81	76	86	80	76	83	78	75	_Height	Beam	Diameter	FC	Diameter	
45	177	144	0° - 180°	1623.2	*100.0	5	81	74	70	80	74	69	78	73	69	8.0	51.1	5.2	25.6	9.1	5.1
55	60	57	•	Efficiency		6	75	69	64	74	68	64	73	67	63	10.0	27.5	7.1	13.7	12.4	2.7
65	34	33				7	70	64	59	70	64	59	68	63	59	12.0	17.1	9.0	8.6	15.7	1.7
75	16	16				8	66	60	55	65	59	55	64	59	55	14.0	11.7	10.9	5.8	19.1	1.2
85	2	2				9	62	56	52	62	56	51	61	55	51	16.0	8.5	12.8	4.2	22.4	0.8
90	0					10	59	52	48	58	52	48	57	52	48						





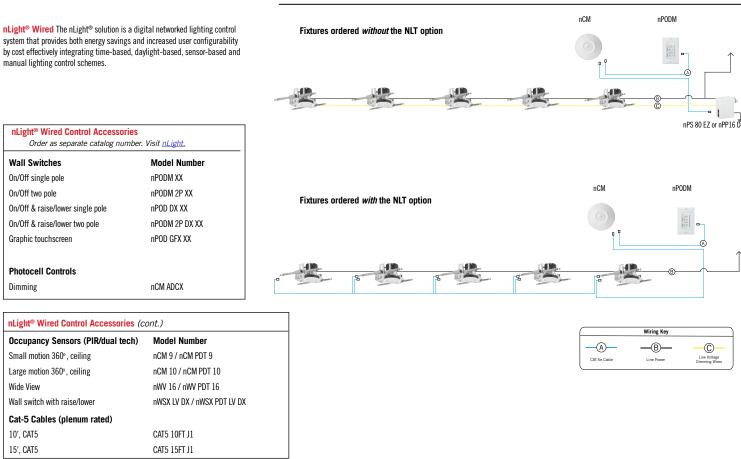
NLIGHT AIR

NLIGHT

Possibilites for nLight® AIR CLAIRITY[™] Pro rPODB rCMS Mobile App nLight® AIR is the ideal solution for retrofit or new construction spaces where Fixtures ordered without the NLTAIR option adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing. rPP20 nLight® AIR Control Accessories Order as separate catalog number. Visit nLight AIR. Wall Switches Model Number On/Off single pole rPODB (color) G2 CLAIRITY[™] Pro rPODB On/Off two pole rPODB 2P (color) G2 Mobile App rPODB DX (color) G2 On/Off & raise/lower single pole Fixtures ordered with the NLTAIR option On/Off & raise/lower two pole rPODB 2P DX (color) G2 nLight[®] AIR Control Accessories (cont.) Occupancy Sensors (PIR/dual tech) Model Number rCMS 9 / rCMS PDT 9 Small motion 360°, ceiling Wiring Key Large motion 360°, ceiling rCMS 10 / rCMS PDT 10 A -® C +24v DC Aux Line Powe Low Voltage Dimming Wires

6"

Possibilites for nLight® wired



Wall Switches

On/Off two pole

Dimming

Wide View

10', CAT5 15', CAT5







IP66 rated room-side, Fixtures are wet location,

Anti-microbial paint finish, optional

• Suitable for steam room applications

Non-conductive dead-front trim

covered ceiling

•

6"

Luminaire Type: Catalog Number:



General Illumination Square Shower Downlight

Feature Set

OVERVIEW

- · Wipe down flush or regressed lens
- NSF2 Splash/Non-food Zone
- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional

Distribution

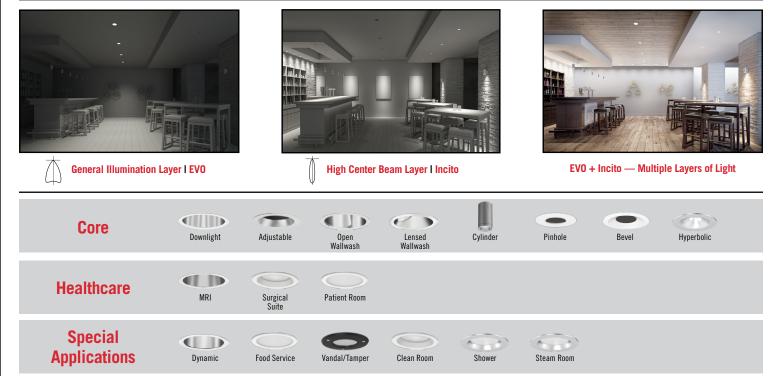
medium wide 1.0 S:MH

Superior Performance (Flush, Clear Lens)

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000
Delivered	222	444	666	870	1292	1754	2219	2663	3107	3550
Wattage	3.4	6.2	8.2	9.6	14.7	19.7	24.7	29.5	33.8	39.0
Efficacy	65.3	71.6	81.2	90.6	87.9	89.0	89.8	90.3	91.9	91.0

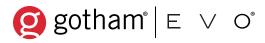
*Lumen output for 80CRI - 3500K

Coordinated Apertures | Multiple Layers of Light



EVO6SQSH page 1 of 7 GOTHAM ARCHITECTURAL DOWNLIGHTING | 1400 Lester Road Conyers, GA 30012 | P 800-705-SERV (7378) | gothamlighting.com © 2014-2020 Acuity Brands Lighting Inc. All Rights Reserved. Rev. 04/20/20 Specifications subject to change without notice.





A+ Capable options indicated by this color background.

EXAMPLE: EV06SQSH 35/20 DFRAMF SOL MVOLT EZ10

Luminaire Type:

Catalog Number:

Series	Color Temperature	Nominal Lumen Values	Lens Setting	Lens	Voltage
EVO6SQSH	27/ 2700 K 30/ 3000 K 35/ 3500 K 40/ 4000 K 50/ 5000 K	02 250 lumens 05 500 lumens 07 750 lumens 10 1000 lumens 15 1500 lumens 20 2000 lumens 30 3000 lumens 35 3500 lumens 40 4000 lumens	DFRRegressed lensed white paintDFFFlush lensed white painted trDFRBRRegressed lensed black paintDFFBRFlush lensed black painted trDFRAMFRegressed lensed trim with a crobial finishDFFAMFFlush lensed trim with anti-n finish	rim SMO Smooth Clear Lens ted trim rim inti-mi-	MVOLT 120 277

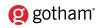
Driver ¹	Control Interface	Options
EZ10eldoLED 0-10V ECOdrive. Linear dimming to 10% min.EZ1eldoLED 0-10V ECOdrive. Linear dimming to 1% min.EZBeldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.	NLT ² nLight dimming pack controls NLTER ^{2,3} nLight dimming pack controls emergency circuit	SF Single fuse. Specify 120V or 277V. ELR ⁴ Emergency battery pack, 10W, with remote test switch. E10WCPR ⁴ Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch BGTD Bodine generator transfer device. Specify 120V or 277V. 90CRI High CRI (90+). CP Chicago Plenum.

ACCESSORIES — order as separate catalog numbers (shipped separately)

ISD BC 0-10V wallbox dimmer. Refer to ISD-BC

ORDERING NOTES

- 1. Refer to <u>TECH-240</u> for compatible dimmers.
- 2. Specify voltage.
- 3. For use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
- 4. Not available with CP option.





Optical Assembly

Fully serviceable and upgradeable lensed LED light engine suitable for field maintenance or service from below the ceiling.

Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment.

Electrical

SPECIFICATIONS

The luminaire shall operate from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. The fluctuations of line voltage shall have no visible effect on the luminous output.

The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output.

Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.

Input wires shall be 18AWG, 300V minimum, solid copper.

Controls

Luminaire shall be equipped with interface for nLight wired network with integral power supply as per specification.

Dimming

The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 - 10%, 100 - 1.0% or 100 - 0.1% of rated lumen output with a smooth shut off function to step to 0%.

eldoLED LED drivers shall conform to IEEE P1789 standards. Alternatively, manufacturers must demonstrate conformance with product literature and testing which demonstrates this performance. Systems that do not meet IEEE P1789 will not be considered.

Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction

Luminaire housing shall be constructed of 16-gauge galvanized steel and have preinstalled telescopic mounting bars with maximum 32" and minimum 15" extension and 4" vertical adjustment.

Luminaires shall be suitable for installation in ceilings up to $1 \ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremat$

Tool-less adjustments shall be possible after installation.

The assembly and manufacturing process for the luminaire shall be designed to assure all internal components are adequately supported to withstand mechanical shock and vibration.

25°C ambient temperature standard (1/2" clearance on all sides from non-combustible materials in non-IC applications, unless marked spacing noted otherwise). For use in insulated ceilings, a 3" clearance on all sides from insulation is required (unless marked spacing noted otherwise).

Listings

Fixtures are CSA certified to meet US and Canadian standards: All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling.

Photometrics

LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours.

Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 6,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by a point at the intersection of the CCT line and the black body locus line in CIE chromaticity space.

Warranty

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

Note:

Actual performance may differ as a result of end user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

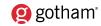
****** Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning. • All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency

- This luminaire is part of an A+ Certified solution for nLight^{*} control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight[®] control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background^{*}

To learn more about A+, visit <u>www.acuitybrands.com/aplus</u>.

*See ordering tree for details







				DFF SM	0 - Flush C	lear				
Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000
Delivered	222	444	666	870	1292	1754	2219	2663	3107	3550
Wattage	3.4	6.2	8.2	9.6	14.7	19.7	24.7	29.5	33.8	39.0
Efficacy	65.3	71.6	81.2	90.6	87.9	89.0	89.8	90.3	91.9	91.0

*Lumen output for 80CRI - 3500K

				DFF SOL	- Flush Tex	tured				
Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000
Delivered	213	425	638	833	1238	1680	2125	2550	2975	3400
Wattage	3.4	6.2	8.2	9.6	14.7	19.7	24.7	29.5	33.8	39.0
Efficacy	62.6	68.5	77.8	86.8	84.2	85.3	86.0	86.4	88.0	87.2

*Lumen output for 80CRI - 3500K

				DFR SM	0 - Flush C	lear				
Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000
Delivered	182	364	546	714	1061	1440	1821	2185	2549	2914
Wattage	3.4	6.2	8.2	9.6	14.7	19.7	24.7	29.5	33.8	39.0
Efficacy	53.5	58.7	66.6	74.4	72.2	73.1	73.7	74.1	75.4	74.7

*Lumen output for 80CRI - 3500K

			D	FR SOL - R	egressed [•]	Textured				
Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000
Delivered	166	331	497	649	964	1309	1655	1986	2317	2648
Wattage	3.4	6.2	8.2	9.6	14.7	19.7	24.7	29.5	33.8	39.0
Efficacy	48.8	53.4	60.6	67.6	65.6	66.4	67.0	67.3	68.6	67.9

*Lumen output for 80CRI - 3500K

	Driver	(note: 34		ntrol Provided ns provided with 34	7 option selected)
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIRER2
GZ10	0-10V driver dims to 10%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
GZ1	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ10	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ1	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZB	eldoLED 0-10V SOLOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2

How to Estimate Delivered Lumens in Emergency Mode

Delivered Lumens = 1.25 x P x LPW

P =Output power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

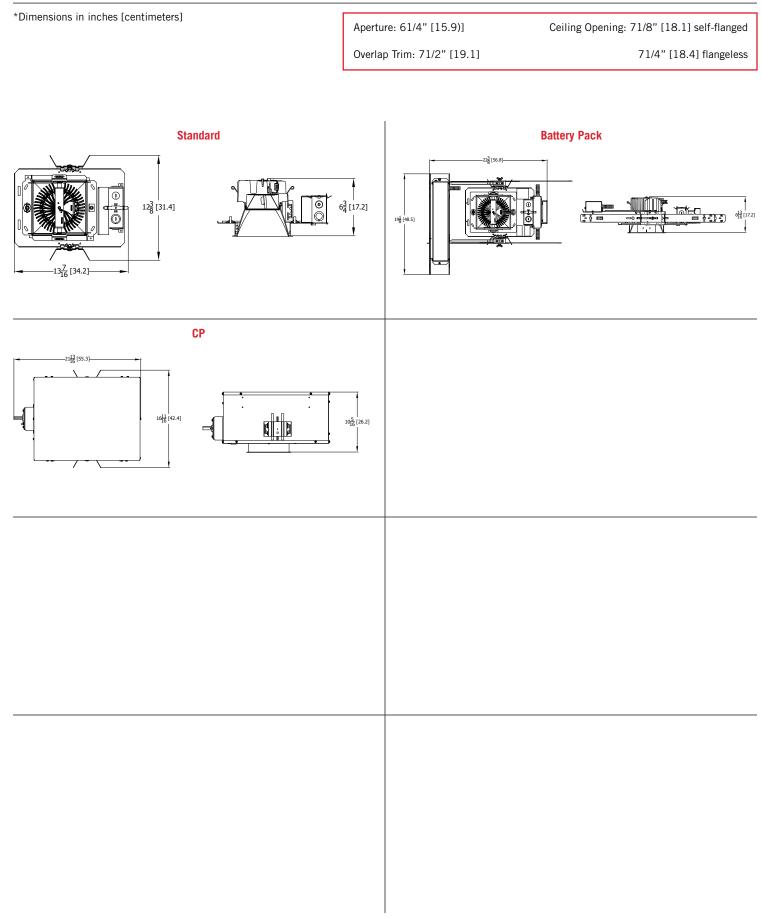
EVO - eldoLED Driver Default Dimming Curve Nomenclature Min Dimming Driver Dim Curve **Control Dim Curve** 10% EZ10 Linear Linear/Logarithmic EZ1 1% Linear Linear/Logarithmic EXA1 1% Linear Linear/Logarithmic EZB <1% Logarithmic Linear EDAB <1% Logarithmic Linear EXAB <1% Logarithmic Linear EDXB <1% Square Linear

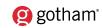
Lu	imen Output Mult	iplier
CRI	CCT	Multplier
	2700K	0.96
	300K	1.00
80	3500K	1.00
	4000K	1.01
	5000K	1.07
	2700K	0.80
	300K	0.83
90	3500K	0.85
	4000K	0.87
	5000K	0.91





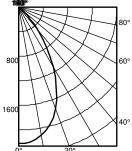
DIMENSIONAL DATA







EV06SQSH 35/25 DFF SM0 80CRI INPUT WATTS: 24.7W, DELIVERED LUMENS: 2219.5LM, LPW = 90, 0.87 S/MH, TEST NO: LTL29890P89



								pf				20	1%										
								рс		80%			70%	,		50%							
			Ave	Lumens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%						
8	30°	0	2222		0° - 30°	1420.1	64.0	0	119	119	119	116	116	116	111	111	111			50% be		10% be	
7		5	2200	207	0° - 40°	1915.2	86.3	1	110	108	105	108	106	104	104	102	100			49.3	}°	80.2	20
\checkmark		15	1980	551	0° - 60°	2192.7	98.8	2	102	98	94	100	96	93	97	94	91		Inital FC				
/1		25	1456	662	0° - 90°	2218.6	100.0	3	94	89	85	93	88	84	90	86	83	Mounting	Center				
\times	60°	35	795	495	90° - 120°	0.0	0.0	4	88	82	77	87	81	77	84	80	76	Height	Beam	Diameter	FC	Diameter	FC
1	50	45	274	221	90° - 130°	0.0	0.0	5	82	75	71	81	75	71	79	74	70	8.0	73.5	5.0	36.7	9.3	7.3
		55	56	57	90° - 150°	0.3	0.0	6	76	70	65	75	69	65	74	69	65	10.0	39.5	6.9	19.7	12.6	3.9
\mathbf{X}		65	16	17	90° - 180°	0.9	0.0	7	71	65	60	71	65	60	69	64	60	12.0	24.6	8.7	12.3	16.0	2.5
		75	7	7	0° - 180°	2219.5	*100.0	8	67	61	56	66	60	56	65	60	56	14.0	16.8	10.5	8.4	19.4	1.7
		85	2	2	*	Efficiency	,	9	63	57	52	62	56	52	61	56	52	16.0	12.2	12.4	6.1	22.7	1.2
\mathbf{X}		90	0					10	59	53	49	59	53	49	58	53	49						

6"

EV06SQSH 35/25 DFF SOL 80CRI INPUT WATTS: 24.7W, DELIVERED LUMENS: 2124.7LM, LPW = 86, 0.96 S/MH, TEST NO: LTL29889P89

			pf	00%	20% 70%	500/				
	Ave Lumens	Zana Lumana % Lamp	pc	80%		50%				
	Ave Lumens		pw	50% 30% 10%	50% 30% 10%	50% 30% 10%				
80° 0	2040	0° - 30° 1243.3 58.5	0	119 119 119	116 116 116	111 111 111		50% beam		n -
5	2015 189	0° - 40° 1673.6 78.8	1	109 106 103	107 104 102	103 101 99		47.2°	80.2°	
	1752 487	0° - 60° 2013.1 94.7	2	100 95 91	98 94 90	95 91 88	Inital FC			
	1247 568	0° - 90° 2124.7 100.0	3	92 86 81	90 85 81	88 83 79	Mounting Center			
111111111111111111111111111111111111	688 430	90° - 180° 0.0 0.0	4	85 78 73	83 78 73	81 76 72	Height Beam		C Diameter F	
	292 231	0° - 180° 2124.7 *100.0	5	78 72 67	77 71 67	76 70 66	8.0 67.4	4.8 33		
	116 109	*Efficiency	6	73 66 61	72 66 61	70 65 61	10.0 36.3	6.6 18		3.6
	62 62		7	68 61 57	67 61 56	66 60 56	12.0 22.6	8.3 11		2.3
75	36 38		8	64 57 52	63 57 52	62 56 52	14.0 15.4	10.1 7.	7 19.4 1.	.5
85	10 12		9	60 53 49	59 53 49	58 53 49	16.0 11.2	11.8 5.	6 22.7 1.	.1
1600 40° 90	2		10	56 50 46	56 50 46	55 49 45				

EV06SQSH 35/25 DFR SM0 80CRI INPUT WATTS: 24.7W, DELIVERED LUMENS: 1820.8LM, LPW = 73.7, 0.9 S/MH, TEST NO: LTL29892P93

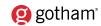
								pf pc		80%		20	% 70%			50%							
			Ave	Lumens	Zone	Lumens	% Lamp	pw	50%			50%			50%	30%	10%						
	80°	0	1690		0° - 30°	1123.6	61.7	0	119	119	119	116	116	116	111	111	111			50% b		10% be	
HHI X		5	1677	159	0° - 40°	1547.6	85.0	1	110	107	105	108	106	103	104	102	100			51.	0°	82.4	1°
	$\checkmark \checkmark$	15	1550	431	0° - 60°	1800.7	98.9	2	102	97	94	100	96	93	97	93	91		Inital FC				
ILH '	$\backslash \land / $	25	1172	534	0° - 90°	1820.8	100.0	3	94	89	84	93	88	84	90	86	82	Mounting					
		35	683	424	90° - 180°	0.0	0.0	4	87	81	77	86	80	76	84	79	75	Height	Beam	Diameter	-	Diameter	
$ \rangle Y$	10	45	251	201	0° - 180°	1820.8	*100.0	5	81	75	70	80	74	70	78	73	69	8.0	55.9	5.2	27.9	9.6	5.6
-HN	\bigvee	55	50	53	•	Efficiency		6	75	69	64	75	69	64	73	68	64	10.0	30.0	7.1	15.0	13.1	3.0
$ \rangle \rangle \Gamma$	\bigvee X	65	12	13				7	70	64	59	70	64	59	68	63	59	12.0	18.7	9.1	9.4	16.6	1.9
1 J	$\land \lor$	75	6	6				8	66	59	55	65	59	55	64	59	55	14.0	12.8	11.0	6.4	20.1	1.3
-+V		85	1	1				9	62	56	51	61	55	51	60	55	51	16.0	9.3	12.9	4.6	23.6	0.9
A	40°	90	0					10	58	52	48	58	52	48	57	51	48						

EV06SQSH 35/25 DFR SOL 80CRI INPUT WATTS: 24.7W, DELIVERED LUMENS: 1655LM, LPW = 67, 0.85 S/MH, TEST NO: LTL29891P89

								pf pc		80%)% 70%			50%							
			Ave	Lumens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%						
	80	n° 0	1560		0° - 30°	962.8	58.2	0	119	119	119	116	116	116	111	111	111			50% be		10% b	eam -
		- 5	1539	145	0° - 40°	1309.3	79.1	1	109	106	104	107	105	102	103	101	99			47.8	3°	81.	4°
		15	1349	375	0° - 60°	1586.5	95.9	2	100	96	92	98	94	91	95	92	89		Inital FC				
	$ \times \times \times$	25	972	443	0° - 90°	1655.0	100.0	3	92	86	82	91	85	81	88	83	80	Mounting	Center				
	HHXX	no 35	554	346	90° - 180°	0.0	0.0	4	85	79	74	84	78	73	82	76	72	Height	Beam	Diameter	FC	Diameter	FC FC
60	$ X \times \langle 1 $	45	242	191	0° - 180°	1655.0	*100.0	5	79	72	67	78	71	67	76	70	66	8.0	51.6	4.9	25.8	9.5	5.2
	X X	55	93	87		Efficiency	/	6	73	66	62	72	66	61	71	65	61	10.0	27.7	6.6	13.9	12.9	2.8
		65	44	45		,		7	68		57	67	61	57			56	12.0	17.3	8.4	8.6	16.3	1.7
		75	20	21				8	64	57	52	63		52		56		14.0	11.8	10.2	5.9	19.8	1.2
		85	2	3				9	60	53	49	59	53	49	58		49	16.0	8.6	12.0	4.3	23.2	0.9
120		90	0	Ū				10	56		46	56		46	55								

60

1200



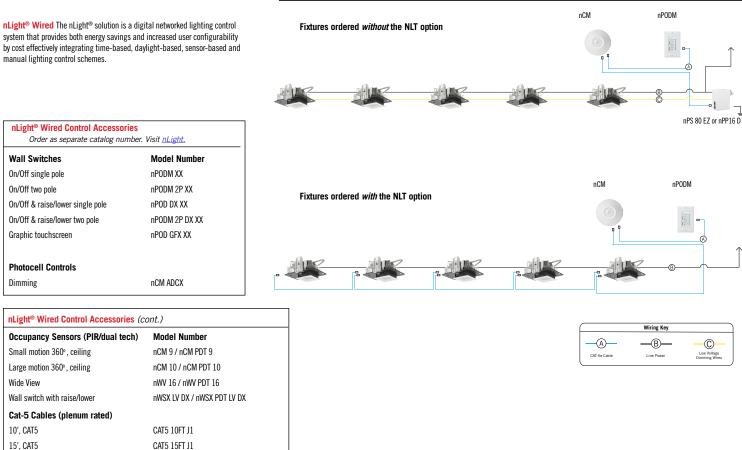




Possibilites for nLight® AIR CLAIRITY[™] Pro rPODB rCMS Mobile App nLight® AIR is the ideal solution for retrofit or new construction spaces where Fixtures ordered without the NLTAIR option adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing. rPP20 nLight[®] AIR Control Accessories Order as separate catalog number. Visit nLight AIR. Wall Switches Model Number On/Off single pole rPODB (color) G2 CLAIRITY[™] Pro rPODB On/Off two pole rPODB 2P (color) G2 Mobile App rPODB DX (color) G2 On/Off & raise/lower single pole Fixtures ordered with the NLTAIR option On/Off & raise/lower two pole rPODB 2P DX (color) G2 nLight[®] AIR Control Accessories (cont.) Occupancy Sensors (PIR/dual tech) Model Number Small motion 360°, ceiling rCMS 9 / rCMS PDT 9 Wiring Key Large motion 360°, ceiling rCMS 10 / rCMS PDT 10 A -(B)-C +24v DC Aux Line Powe Low Voltage Dimming Wires

6"

Possibilites for nLight® wired



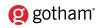
system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.

Wall Switches	Model Number
On/Off single pole	nPODM XX
Dn/Off two pole	nPODM 2P XX
Dn/Off & raise/lower single pole	nPOD DX XX
0n/Off & raise/lower two pole	nPODM 2P DX XX
raphic touchscreen	nPOD GFX XX
hotocell Controls	
imming	nCM ADCX
Light [®] Wired Control Accessories	(cont.)
Occupancy Sensors (PIR/dual tech)	
ooupanoy concere (i ne adai toon)	
	ncivi 97 ncivi PDT
mall motion 360°, ceiling	
Small motion 360°, ceiling arge motion 360°, ceiling Vide View	nCM 9 / nCM PDT nCM 10 / nCM PD nWV 16 / nWV PD

EV06SQSH page 7 of 7

10', CAT5

15', CAT5



C

LIGHTOLIER

by (signify

Downlighting

Calculite LED 6" gen 3

C6RDL Round Downlight



Project:	
Location:	
Cat.No:	
Туре:	
Lamps:	Qty:
Notes:	

example: 6RNIP

Calculite LED 6" generation 3 features industry leading visual comfort, excellent uniform illumination over time, and patented installation flexibility.

Complete luminaire = Frame + Engine + Trim + Accessories (optional)

Frame

Series	Installation	Voltage/Options	
6R			
6R 6" Non-IC Round	N New construction	 Universal 120 V/277V (specify for Power Over Ethernet) Emergency (see page 2 for details and limitations)¹ Interact Pro ready (for 0-10V engine only) 	 LC Chicago Plenum 3 347V (not compatible with ELV dimming)² 3IP 347V with Interact Pro (for 0-10V engine only)
	R Remodeler	 Universal 120 V/277V (specify for Power Over Ethernet) IP Interact Pro ready (for 0-10V engine only) 	3 347V (not compatible with ELV dimming)

Engine

Series Lumens CRI сст Beam Dimming Voltage C6L C6L Calculite LED 6" 10 1000lm 8 80 CRI 27 2700 K Narrow (40°) **Z10** 0-10 V 1% U Universal Ν SOL EldoLED Solo 0-10V 0.1% 15 1500lm 9 90 CRI **30** 3000K M Medium (56°) 120 V/277 V/347 V 20 2000lm 35 3500K **W** Wide (76°) D Dali 0.1% 25 2500 lm **40** 4000K L Lutron LDE1 EcoSystem (fade-to-black) **30** 3000lm **DMX** Digital Multiplexing 35 3500lm Е ELV (for up to 2000lm only) 1 120 V 48 4800 lm (Z10 only) Ρ Power over Ethernet (PoE) E Ethernet 48V DC 60 6000 lm (Z10 only) Only compatible with 1000 (10) to 2500 (25) lumen configurations

Trim

example: C6RDLCCP

example: C6L15835NZ10U

Series	Aperture	Style	Finish	Flange
C6	R	DL		
C6 Calculite LED 6"	R Round	DL Downlight	BK Black (annodized) CC Comfort clear CL Specular clear CD Comfort clear diffuse CZ Champagne bronze	 White (matte) Polished (matches aperture) F Flangeless (requires CA6RFT)
			WH White (matte)	White (matte)F Flangeless (requires CA6RFT)
		SL Shower light (non-conductive) ³	WH White (matte)	– Not applicable

Accessories

CA6RFT	Mud-in ring for use in flangeless trim installations (ordered with a flangeless trim)
CAEM	Field instalable EM pack (for use with new construction frame only)
C6RVPWH	IP65 Rated vandal proof matte white accessory mounts onto flangeless trims (C4RDL*F) and new construction frame only
AMS	ActiLume multi-sensor (optional accessory for PoE configurations)
SWZDT	SpaceWise wireless controller with dwell time functionality (compatible with all 0-10V options, see SWZDT spec sheet)
SRAINT	InterAct Office Accessory (for use with Lightolier UniFrame 0-10V products)

1. Emergency (EM) frame includes emergency battery with ceiling and reflector mountable test switch (see page 2 for details and limitations).

2. The 347V frame is not compatible with lumen packages above 2000lm for lensed wall wash trims.

3. Non-conductive flush mount lens with pre-installed gasket (matte white non-conductive flange with diffuse lens that is flush with the flange).







Round Downlight

Frame-in-kits

New Construction:

Galvanized stamped steel for dry or plaster ceilings. Preinstalled telescoping mounting bars from 13" to 24". For 4' distances, use 1/2" EMT, 1-1/2" x 1/2" U or C channel.

Max ceiling thickness is 2.75" (70 mm) including PoE frame 4.88" (124 mm) plenum depth for installation.

Emergency:

For reflector mounted emergency test switch add "EM" to emd of catalog code (example: C6RDLCCEM). Leave blank for ceiling mounted test switch. Reflector mounted test switch requires above ceiling access.

Patented install Mounting frame:

- Pre-installed mounting bars for fast and toolless installs into T-grid & hat channel ceilings.
- Close-cut aperture design eliminates possibility of gap between ceiling opening and reflector flange.
- Separate wiring compartment for wiring frame to building allows inspection prior to light engine install.
- Simple plug-and-play connection between frame and light engine from below ceiling.

Dimming

- Advance 0-10V 1% dimming
- Lutron Hi-lume EcoSystem H Series 1% dimming
- EldoLED ECOdrive Dali 1% dimming
- EldoLED SOLOdrive 0-10V 0.1% dimming
- EldoLED DMX POWERdrive

Power over Ethernet

Powered via Lightolier PoE lighting controller:

Complies with FCC rules per Title 47 part 15 (Class A) for EMI / RFI (conducted & radiated). PoE lighting controller accessible from below ceiling.

Optical systems

Comfort throughout the space:

True 50° physical cutoff and 45° reflected cutoff **Ouality of light:**

2 SDCM ensures color consistency from fixture to fixture and over the luminaire's long lifetime.

Light Engine

Quick connect power pack allow for easy installation and replacement from below ceiling with no need for additional wiring. This allows for:

- Frame and ceiling installation to be performed while still finalizing details such as lumen packages, CCT and control type.
- Easy replacement of electronics at end of life with minimal wasted material and labor required.
- Ease and upgradability of technology.

Wired Controls Options

Interact Office Wired (PoE):

- PoE based IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on Personal Control, Space Management, wayfinding, room/ desk reservation and offers open APIs for light control and data exchange.
- PoE lighting controller is accessible from below.
- Integral sensor option for occupancy sensing (PIR) and/or daylight harvesting available for additional energy savings.
- Optional integral emergency controller and battery pack provides 600lm nominal output.
- Test switch and indicator light mounted on side of chassis on one end.
- Emergency battery has a 3 month pre-installed shelf life, and must be stored and installed in environments of 20C to 30C (-4F to 86F) ambient, and 45-85% relative humidity.
- For more information on Interact Office Wired, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/ systemareas/offices.

Interact Office Wired (PoE), Static White and Tunable White:

- A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible Zigbee Green Power wall dimmer and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on wayfinding, room/desk reservation and offers open APIs
- Requires compatible Interact Office Gateway and internet connectivity for commissioning.
- For more information on Interact Office Wireless, visit: www.interact-lighting.com/ office or www.usa.lighting.philips.com/systems/ systemareas/offices.

Interact Pro (IAP)

- Interact Pro brings the power of connected lighting to small and medium businesses without the complexity usually associated with connected lighting.
- Interact Pro includes an app, a portal and a broad portfolio of wireless Luminaires, lamps and retrofit kits all working on the same system.
- Commissioning via Interact Pro App (Android or iPhone).
- Prepare commissioning remotely via Interact Pro portal.
- Requires compatible Interact Pro Gateway and internet connectivity for commissioning.
- Compatible with UID8451/10 ZigBee Greenpower wireless dimmer switch.
- Compatible with wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) or wireless Day/ Occ sensor (OCC MULTI SENSOR IA CM WH 10/1).
- For more information on Interact Pro visit: www.interact-lighting.com/pro.
- For more information on Interact Ready visit: www.philips.com/interact-ready.

Options and Accessories

Flangeless mud-in ring: Use CA6RFT

for use with flangless plaster installations. Sloped ceilings: Compatible with sloped ceiling

adapters (see **SCA** spec sheet). **Vandal Proof:** Use **CGRVPWH** for an IP65 rated vandal proof matte white accessory.

rated vandal proof matte white accessory Must be ordered with flangeless trim and new construction frame.

ENERGY STAR® exceptions

- 90 CRI configurations
- Champagne Bronze & Black finishes
- 347V & Emergency voltage/options
- Dali, EldoLED Solo & PoE drivers

Title 24 exceptions

- 1000lm configurations
- Champagne Bronze & Black finishes

Labels and Listings

- cULus listed for wet locations
- ENERGY STAR[®] certified
- RoHS certified
- CEC Title 24 JA8 certified
- CCEA (frames with *LC suffix)
- IP65 rated with vandal proof accessory

Warranty



5 year limited warranty Visit Signify.com/warranties for more information on Signify's standard 5- year limited warranty on complete luminaire systems.

Round Downlight

Narrow

Medium/Wide

Light engine	Input volts	Input freq	Input current	Drive current	Input power	LED power	THD power	Power factor
	120V	50/0011-	0.08	220 4	0.14	0144	<15%	>0.95
C6L10_NZ10U	277V	50/60Hz	0.04	230 mA	9W	8W	<20%	>0.95
	120V	50/0011-	0.11	240	1514/	11\.A./	<10%	>0.95
C6L15_NZ10U	277V	50/60Hz	0.05	340 m A	15W	11W	<15%	>0.95
CEL 20 N7101	120V	50/6011-	0.16	460 mA	22W	1611	<10%	>0.95
C6L20_NZ10U	277V	50/60Hz	0.08	460 MA	ZZVV	16W	<15%	>0.95
CEL25 N7101	120V	50/6011-	0.20	590 mA	25W	21147	<10%	>0.95
C6L25_NZ10U	277V	50/60Hz	0.10	590 MA	2344	21W	<15%	>0.95
CEL25 N71011	120V	50/6011-	0.30	900 m A	36W	30W	<10%	>0.95
C6L35_NZ10U	277V	50/60Hz	0.14	900MA	2010	3000	<15%	>0.95
CEL 40 N71011	120V	50/60Hz	0.42	1250 mA	51W	44W	<10%	>0.95
C6L48_NZ10U	277V	50/00HZ	0.19	1250 MA	SIVV	4400	<15%	>0.95
CELED N71011	120V	50/6011-	0.48	1400 m 4	57W	FOW	<10%	>0.95
C6L60_NZ10U	277V	50/60Hz	0.21	1400 m A	J/W	50W	<15%	>0.95

Light engine	Input volts	Input freq	Input current	Drive current	Input power	LED power	THD power	Power factor
C6110 M7101	120V	50/60Hz	0.08	210 mA	9W	8W	<15%	>0.95
C6L10_MZ10U	277V		0.04	210 MA	900	011	<20%	>0.95
CEL15 M71011	120V	50/60Hz	0.11	320 mA	15W	11W	<10%	>0.95
C6L15_MZ10U	277V		0.05	320 MA	IDVV	IIVV	<15%	>0.95
CEL20 M71011	120V	50/60Hz	0.15	430 mA	19W	15W	<10%	>0.95
C6L20_MZ10U	277V		0.07	430 MA	1910	IDVV	<15%	>0.95
CEL25 M710U	120V	50/60Hz	0.19	550 mA	23W	19W	<10%	>0.95
C6L25_MZ10U	277V		0.09	AILOCC	2300	1910	<15%	>0.95
CEL2E M71011	120V	50/60Hz	0.25	570 m A	30W	25W	<10%	>0.95
C6L35_MZ10U	277V		0.11	570ma	3000	2310	<15%	>0.95
CGL 40 M710U	120V	50/6011-	0.36	010 m A	4014	2 4147	<10%	>0.95
C6L48_MZ10U	277V	50/60Hz	0.16	810 mA	40W	34W	<15%	>0.95
CELEO M71011	120V	E0/60U-7	0.50	1120 m A	57W	EOW	<10%	>0.95
C6L60_MZ10U	277V	50/60Hz	0.22	1130 mA	J/W	50W	<15%	>0.95

Narrow (Power over Ethernet)

	Input				
Light engine	Volts ¹	Voltage ²	Freq	Current	Power
C6L10NPE	53V	51-54V	DC	160 mA	8.9 W
C6L15NPE	53V	51-54V	DC	250 mA	13.7 W
C6L20NPE	53V	51-54V	DC	330 mA	17.7 W
C6L25NPE	53V	51-54V	DC	420 mA	22.8 W

1. Nominal input volts.

2. Preferred volt range.

Marked spacing applications

Light engine	4800lm	6000lm
C6L_Z10U series	Х	Х
C6L_LU series	_	-
C6L_DU series	_	_

Modules marked with an X require marked spacing:

- Center-to-center of adjacent luminaires: 24" (610mm)

- Luminaire center to side building member: 12" (305mm)

In accordance with CAN ICES-005-A/ NEB-005-A and FCC Part 15-A.

Medium (Power over Ethernet)

	Input						
Light engine	Volts ¹	Voltage ²	Freq	Current	Power		
C6L10MPE	53V	51-54V	DC	160 mA	8.4 W		
C6L15MPE	53V	51-54V	DC	230 mA	12.5 W		
C6L20MPE	53V	51-54V	DC	310 mA	16.7 W		
C6L25MPE	53V	51-54V	DC	390 mA	21.4 W		

Wide (Power over Ethernet)

	Input					
Light engine	Volts ¹	Voltage ²	Freq	Current	Power	
C6L10WPE	53V	51-54V	DC	160 mA	8.4 W	
C6L15WPE	53V	51-54V	DC	230 mA	12.5 W	
C6L20WPE	53V	51-54V	DC	310 mA	16.7 W	
C6L25WPE	53V	51-54V	DC	390 mA	21.4 W	

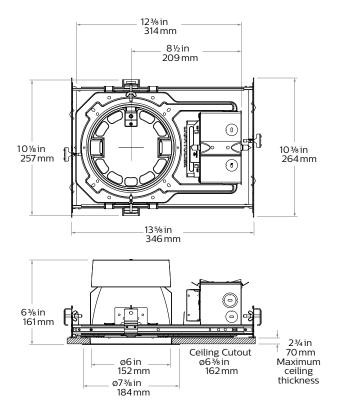
Lifetime (TM-21) data

Lumens	Narrow beam	Medium/Wide beam*
1000lm 1500lm 2000lm 2500lm 3500lm* 4800lm	L90 @ 60,000hrs.	L90 @ 60,000hrs.
6000lm	L90 @ 60,000hrs.	L80 @ 60,000hrs.

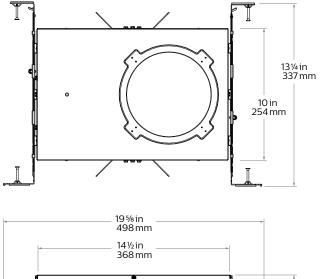
* Lutron 3500lm with Medium/Wide beam is L85 @ 60,000hrs.

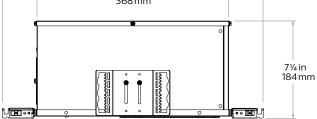
Round Downlight

New Construction (N)

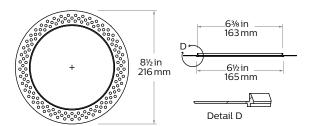


Chicago Plenum (LC)

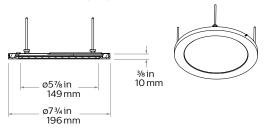




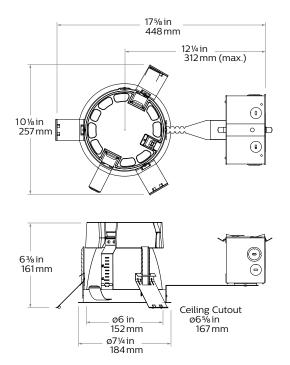
Flangeless mud-in ring (CA6RFT) accessory



Vandal Proof (VP) accessory



Remodeler (R)



Round Downlight

Reflector



Specular clear (CL): Most specular and most efficient finish, delivers maximum photometric performance but can produce a mirror image effect of the interior space.



Comfort clear (CC): Semi-specular finish that softens the light at the source of the reflector and creates a subtle, even luminance from the reflector cone.



Comfort clear diffuse (CD): Slightly diffuse clear finish, that eliminates iridescence and reduces the mirror image effect inherent with specular finishes.



Vandal proof (VP): Provides an elegant solution for vandal resistant needs. One piece machined aluminum ring with impact resistant clear lens. Flangeless (F) flange must be ordered. Provides the luminaire with an IK10 impact and IP65 rating.



Champagne bronze (CZ): Semi-specular finish that softens light at the source of the reflector while providing a warmer reflector appearance (slightly warmer).



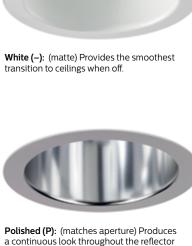
White (WH): (matte) Brightest illuminated aperture and provides the smoothest transition to most ceilings when off (white is only available with a white flange).



Black (BK): (matte) Specular finish that provides the lowest aperture brightness possible and significantly reduces source identification in a ceiling.



Shower light (SL): Wet location rated shower light applicable in any installation requiring dead front trims, interior or exterior non-corrosive applications, or where a diffused lens at the ceiling is required (non-conductive).

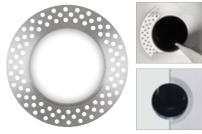


Flange

a continuous look throughout the reflector (aperture matching).



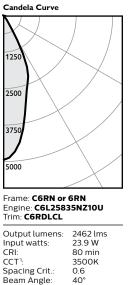
Flangeless (F): (flush-mount)Creates a flush, virtually seamless transition from aperture to ceiling.



Mud-in ring (FT): Low profile, machined aluminum mud-in ring provides a raised rib to plaster up to and a 3/16" flange thickness. The ring is attached to the ceiling material as opposed to the frame-in kit to avoid conduction of heat and vibration which can cause yellowing or cracking of the plaster.

C6RDL Calculite LED 6" gen 3 **Round Downlight**

Narrow beam, 2500lm Engine, 103.0 lm/W or 108.0 lm/W at 22.8W (Power over Ethernet)



	Zone	Lumens 9	%Luminaire
	0-30 0-40 0-60 0-90	2113 2383 2459 2462	85.8% 96.8% 99.9% 100.0%
/	Angle	Mean CP	Lumens
	Aligie	Mean CF	Lumens
/	0 5 10	4938 4667 3948	423
	15 20	3027	856
	20 25 30	1936 977	834
	35 40	352 205	270
	45 50	87 13	72
	55	4	4
	60 65 70	3 2 1	2
	75	1	1
	80 85 90	0 1 0	0

Zonal summary

Single unit da	ata	
Height to lighted plane	Initial center beam foot-candles	Beam diameter (ft)*
5'	198	3.0'
6'	137	3.6'
7'	101	4.2'
8'	77	4.8'
9'	61	5.4'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq. ft.
5'	114.3	1.06
6'	75.0	0.70
7'	53.6	0.50
8'	44.7	0.41
9'	35.7	0.33

Report²: F37145

Adjustment factors

Aujustinent it	1015			
Finish	ССТ	Lumens		
CL = 100% CC = 95% CD = 87% CZ = 63% WH = 87% BK = 57%	80CRI 4000K = 103% 80CRI 3500K = 100% 80CRI 3000K = 95% 80CRI 2700K = 93% 90CRI 3000K = 83% 90CRI 2700K = 78%	6000lm = 202% 4800lm = 192% 3500lm = 140% 2500lm = 100% 2000lm = 80% 1500lm = 60% 1000lm = 40%		

Coefficients of utilization

Ce	iling		80	0%		70	0%	50	0%	30	0%	0%
W	all	70	50	30	10	50	10	50	10	50	10	0
RC	R	Zo	nal ca	avity r	netho	d - Ef	fectiv	e floo	r refle	ectan	ce = 20	0%
Room Cavity Ratio	0 1 2 3 4 5 6 7 8 9 10	119 114 109 105 100 96 92 88 85 81 78	119 112 105 99 94 89 84 80 76 73 70	119 109 101 95 89 84 79 75 71 68 65	119 107 98 91 85 80 75 71 67 64 61	116 110 103 98 93 88 83 79 76 72 69	116 106 97 90 85 79 75 71 67 64 61	111 105 100 95 90 86 82 78 75 72 68	111 102 95 89 84 79 74 71 67 64 61	106 102 97 93 88 84 81 77 74 71 68	106 99 93 88 83 78 74 70 67 64 61	100 95 90 85 80 76 72 69 65 62 59

Medium beam, 2500lm Engine, 115.2 lm/W or 114.7 lm/W at 21.4W (Power over Ethernet)

%Luminaire

77.2%

94.5%

99.8%

Lumens

277

777

842

423

124

8

3

1

0

100.0%

Lumens

1896

2319

2450

2454

Mean CP

2886

2900

2903

2809

2472

1880

1178 644

347

153

23

6

4

3

2

1

1

1

0

Candela Curve Zonal summary Zone 0-30 0-40 750 0-60 0-90 1500 Angle 0 5 2250 10 15 20 25 30 35 3000 40 45 50 Frame: C6RN or 6RN Engine: C6L25835MZ10U 55 Trim: C6RDLCL 60 65 Output lumens: 2454 lms Input watts: 21.3 W 70 75 80 min CRI: CCT1 3500K 80 Spacing Crit.: 0.8 85 Beam Angle: 55 90

Single unit data

9

Height to Initial center beam Beam diameter (ft)* lighted plane foot-candles 5' 115 4.0' 6' 7' 80 4.8' 5.6' 59 45 6.4' 8'

36

72

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq. ft.
5'	112.7	0.94
6'	74.0	0.62
7'	52.8	0.44
8'	44.0	0.37
9'	35.2	0.30
	Room, Workplane 0/50/20% Reflect	
	5.2 lm/w 7135	

Adjustment factors

-		
Finish	ССТ	Lumens
CL = 100% CC = 95% CD = 87% CZ = 63% WH = 87% BK = 57%	80CRI 4000K = 102% 80CRI 3500K = 100% 80CRI 3000K = 97% 80CRI 2700K = 87% 90CRI 3000K = 77% 90CRI 2700K = 73%	6000lm = 240% 4800lm = 192% 3500lm = 140% 2500lm = 100% 2000lm = 80% 1500lm = 60% 1000lm = 40%

Coefficients of utilization

Ceiling	80%			70%		50	0%	30	0%					
Wall	70	50	30	10	50	10	50	10	50	10	0			
RCR	Zonal cavity method - Effective floor reflectance = 20%													
Room Cavity Ratio 0 6 8 2 9 5 4 2 0 0	119 114 108 103 98 94 89 85 81 77 74	119 111 104 97 91 86 81 76 72 68 65	119 109 100 92 86 80 75 70 66 63 59	119 107 97 89 82 76 71 66 62 59 55	116 109 102 96 90 85 80 76 71 68 64	116 105 96 88 81 76 71 66 62 59 55	111 105 99 93 88 83 78 74 70 67 63	111 102 94 87 80 75 70 66 62 58 55	106 101 96 91 86 81 77 73 69 66 63	106 99 92 85 79 74 70 66 62 58 55	100 94 88 82 77 72 68 64 60 57 54			

1. Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products. 2. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

C6RDL Calculite LED 6" gen 3 Round Downlight

Wide beam, 2500lm Engine, 108.3 lm/W or 107.8 lm/W at 21.4W (Power over Ethernet)

Candela Curve	e Zonal summary			Single unit data			Adjustment factors											
				Height to lighted plane	Initial center beam foot-candles	Beam diameter (ft)*	Finish			ССТ					Lumens			
375	0-30 0-40 0-60 0-90			5' 6' 7' 8' 9'	64 45 33 25 20	5.5' 6.6' 7.7' 8.8' 9.9'	CL = CC = CD = CZ = WH =	8	80CRI 4000K = 102% 80CRI 3500K = 100% 80CRI 3000K = 97% 80CRI 2700K = 87% 90CRI 3000K = 77% 90CRI 2700K = 73%					6000lm = 240% 4800lm = 192% 3500lm = 140% 2500lm = 100% 2000lm = 80% 1500lm = 60%				
750	Angle	Mean CP	Lumens											0010 = 40%				
	0	1612 1641	159	* Beam diam drop to 50%	Coefficients of utilization													
1125	10 1705 15 1760 495						Ceiling	Ceiling 80% 70%			%	50%		30%		0%		
	20	20 1740	Multiple unit data - RCR 2			Wall	70	50	30	10	50	10	50	10	50	10	0	
1500	25 30 35	1629 1408 1083	740 665	Spacing on center	RCR													
	40	700	005	5'	104.1	0.94	0	119	119	119	119	116	116	111	111	106	106	100
Frame: C6RN or 6RN Engine: C6L25835WZ10U Trim: C6RDLCL	45 50 55 60	270 39 9 5	232 12	6' 7' 8' 9'	68.3 48.8 40.7 32.5	0.62 0.44 0.37 0.30	N Ratio	113 107 101 95	110 102 94 87	108 98 89 81		108 100 93 86	104 93 84 76	104 97 90 84	100 91 83 76	100 94 88 82	97 89 81 75	93 85 79 72
Output lumens: 2307 lms Input watts: 21.3 W CRI: 80 min CCT ¹ : 3500K	65 70 75 80	3 2 1 1	3	38' x 38' x 10 above floor, 8	Room Cavity 0 & 4 0 5 6	90 85 80 76	81 75 70 66	75 69 64 59	70 64 59 55	80 75 70 65	70 64 59 55 51	78 73 68 64	69 64 59 54	77 72 67 63	69 63 58 54	66 61 57 52		
Spacing Crit.: 1.1 Beam Angle: 72°	85 90	0		Efficacy: 10 Report ² : F3	10 LL 9	72 68	61 57	55 51	51 47	61 57	47	60 56	50 47	59 55	50 47	49 45		

1. Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products. 2. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract.

Signify

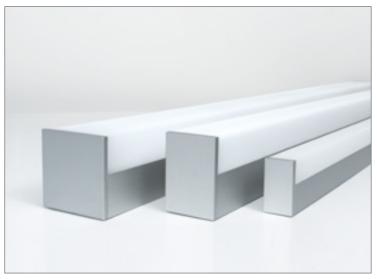
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CalculiteLEDgen3_6in_Downlight_C6RDL 06/19 page 7 of 7

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BIRCHWOOD | a **LEVITON**® lighting company

www.birchwoodlighting.com



325/225/125



NOLAN LED 1.25", 2.25", 3.25" Profile

Cable Suspended | Surface

With its 1.25", 2.25" and 3.25" wide linear profile, NOLAN provides specification grade design and luminance to the refined architectural market.

Featuring our highest quality ¼" machined aluminum end-caps and heavy gauge housing, NOLAN is handcrafted to remain beautiful while still working hard. A variety of mounting configurations allows NOLAN the flexibility to be utilized in applications such as: offices, corridors, residential or retail establishments. Surface mounted, the low profile of NOLAN also meets ADA requirements.

The precision-edged extruded acrylic lens satisfies the design sophistication required by specifiers, yet also provides effortless removal and exact snap-in lens replacement every time, making NOLAN a dream to maintain.



UL and c-UL listed for dry and damp locations.

Made in the USA

FIXTURE SPECIFICATIONS

Construction

Heavy gauge extruded aluminum housing. 1/4" thick precision machined aluminum end-caps. Extruded acrylic lenses specifically engineered to maximize the performance and transmission from a variety of light sources.

Fixture Length

Fixtures are available in nominal lengths of 2, 3, 4, 6 and 8 feet. Continuous run mounting available featuring internal adjoining bracket and splines for a straight and precise installation. See options for details.

Finishes

(SC) Satin Clear anodize is standard. (MW) Matte White or (FB) Flat Black powder coat finishes optional. Custom finishes available consult factory. LED Light Output System

LED Light Output is available as HLO (High Lumen Output) and SLO (Standard Lumen Output) providing efficient illumination. CLO (Custom Lumen Output) allows for end user specified lumen output or tailored wattage consumption for certain models. Consult factory for details.

Dimming

Dimming is available with a variety of control protocols and options. Consult factory for availability and specifications.

Acrylic Lens and Indirect Shield Options

(FW) Frosted White, (TDW) Teardrop shaped Frosted White and (FT) Prismatic Sided Frosted White. (INS) Indirect Shield in either flat black, silver or matte white powder coat finish. Mountina

Field-adjustable 1/16" aircraft (CSS) Cable

Suspension System for use with bracket bar, 5" round canopy and cable gripper device. 36" aircraft cable and (G) Gray power cord included as standard. Please specify (CSS-DR) Cable Suspended Direct or (SM) Surface Mount. Other cable lengths and power cord styles are available, see options guide or consult factory.

Custom and Mods

We proudly specialize in manufacturing custom and modified luminaires and have the ability to modify most of our standard fixtures. Please contact factory with any inquiries.

BIRCHWOOD | a **LEVITON**®

Job Name:

NOLAN LED

1.25", 2.25", 3.25" Profile

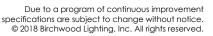
www.birchwoodlighting.com

Type:

CSS selections only³ SPECIFICATION CODE model finish mounting standard options light color length lens voltage driver standard standard standard options output temp cable length cord color canopy canopy finish Light Color Nominal Voltage Driver Model Output Temp Length Finish Lens Mounting Options NOL-LED-125 SLO -27 - 2700K FW - Frosted EB -CSS-DR -CSS³ - Cable Length 2 - 2' Anodized 120 Standard 30 - 3000K CSS³ - Power Cord NOLAN 1.25' 3 - 3' SC - Satin White Electronic Cable 277 wide linear Lumen Output 35 - 3500K <mark>4</mark> - 4' Clear (standard) Suspended Color ĕ 3476 CSS³ - Canopy HLO -40 - 4000K profile 6 - 6' TDW9 - Teardrop Direct High Powder Coat Frosted White Dimming CSS³ - Canopy Finish 8 - 8' NOL-LED-225 **D1** - 1% (nom) Lumen Output SM -MW - Matte CLO⁶___ 0-10V FT⁸ - Prismatic **INSS⁵** - Indirect Shield NOLAN 2.25' CR¹ White Surface wide linear Custom Continuous FB -Flat Sided Frosted White HLA27 - LTEA2W Mount Silver Lumen Output profile Run Black Lutron H-Lume 1%, CUP - Custom² **INSM⁵** - Indirect Shield 2 wire NOL-LED-325 MTR-R¹⁰ **CLO** Calculator Matte White HL -NOI AN 3 25" Miter Run LDE1 Lutron **INSF⁵** - Indirect Shield wide linear Hi-Lume 1% Ecoprofile Flat Black System HL5 - LDE5 EM⁴ - Emergency Bat-Lutron 5 series **CSS** Options tery Pack EcoSystem Power Cord Color **Cable Length Canopy Finish** DALI - DALI Canopy 36 - 36" (standard) W - White STND - Bracket bar w/5" MW - Matte White 72 - 72 B - Black round canopy SMT - Silver Matte Texture LED **120 -** 120" FB - Flat Black NC - No canopy 1/4-20 side exit G - Gray (standard) CUP - Custom (contact factory) cable gripper (1/4-20 stud 125 (4000K FW lens) provided by others) CU - Custom (contact factory) SLO - 112.1 Im/watt delivered @ 2.8 w/ft fixture input watts, 314 Im/ft. HLO - 108.1 lm/watt delivered @ 5.8 w/ft fixture input watts, 627 lm/ft. CLO - refer to CLO Calculator 125 LED supplement info FT Lens Description (325 only) 225 (4000K FW lens) NOTES specify length in nominal feet, see CR matrix sheet Frosted White SLO - 120.4 lm/watt delivered @ 2.9 w/ft fixture input watts, 349 lm/ft. 2 contact factory for custom finish Clear HLO - 118.2 lm/watt delivered @ 5.9 w/ft fixture input watts, 698 lm/ft. see CSS options above for non-standard selections 3 CLO - refer to CLO Calculator Prismatic consult factory for EM options, remote only for 125/225 225 LED supplement info Sides standalone fixtures only 5 available for EB, D1, D10 drivers only 6 325 (4000K FW lens) 120V only 7 SLO - 112.8 lm/watt delivered @ 4.4 w/ft fixture input watts, 497 lm/ft. 8 325 only 9 225 only, not available with INS option HLO - 106 lm/watt delivered @ 9 w/ft fixture input watts, 955 lm/ft CLO - refer to CLO Calculator 10see miter worksheet for specification (detailed drawing required) FT - Prismatic Sided 325 LED supplement info Frosted White *see instruction sheet for more information Options in Green qualify for the 10 day **see option sheet for details shipping program. Refer to the 10 day Dimensions shipping guide for more details. 125 225-TDW 225-FW 325 SURFACE MOUNTING (SM) 4 1/2 ength NTEGRAL DRIVER INTEGRAL DRIVER EXTRUDED ALUMINUM REMOTE DRIVER EXTRUDED ALUMINUM INS -HOUSING HOUSING 5 EXTRUD Indirect ALUMINUN HOUSING LED LED Shield -1/4" to ARIOUS ACRYLIC LENS ACRYLIC LENS ACRYLIC FW ACRYLIC LENS See

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CROSS SECTION



V-0819

CROSS SECTION

CROSS SECTION



NOLAN LED

325

Stand Alone/Continuous Run

Fixture Lengths

Fixture Type

SM

Approval

Continuous Run Segments

Starter	Middle	End

Stand Alone Overall Length



Fixture	Overall		
Length	Length (in)		
2'	24.125"		
3'	35.750"		
4'	47.375"		
5'	59.000"		
6'	70.625"		
7'	82.250"		
8'	93.875"		

Continuous Run Lengths and Fixture Length Segments

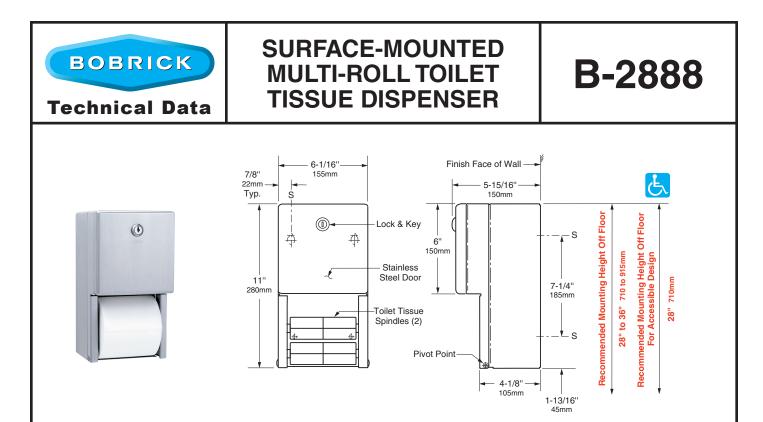
Nominal Length (ft)	SM Overall Length (in)	Fixture Length Segments	Nominal Length (fi	•••••	Fixture Length Segments	Nominal Length (ft)	SM Overall Length (in)
9	8' - 9.500''	6-3	23	23' - 3.875''	8-8-8	37	36' - 10.688''
10	9' - 9.125"	8-2	24	24' - 3.563''	8-8-6-3	38	37' - 10.313''
11	10' - 8.750"	8-3	25	25' - 3.188''	8-8-8-2	39	38' - 9.938"
12	11' - 8.375"	8-4	26	26' - 2.813''	8-8-8-3	40	39' - 9.625'
13	12' - 8.000''	8-5	27	27' - 2.438''	8-8-8-4	41	40' - 9.250'
14	13' - 7.625"	8-6	28	28' - 2.063''	8-8-8-5	42	41' - 8.875'
15	14' - 7.250"	8-7	29	29' - 1.688''	8-8-8-6	43	42' - 8.500'
16	15' - 6.875"	8-8	30	30' - 1.313''	8-8-8-7	44	43' - 8.125
17	16' - 6.500''	8-6-3	31	31' - 0.938''	8-8-8-8	45	44' - 7.750
18	18' - 5.750"	8-8-3	32	32' - 0.563''	8-8-8-6-3	46	45' - 7.375'
19	19' - 5.375"	8-8-4	33	33' - 0.188''	8-8-8-8-2	47	46' - 7.000'
20	20' - 5.000''	8-8-5	34	33' - 11.813"	8-8-8-3	48	47' - 6.625'
21	21' - 4.625"	8-8-6	35	34' - 11.438"	8-8-8-8-4	49	48' - 6.250'
22	22' - 4.250''	8-8-7	36	35' - 11.063"	8-8-8-5	50	50' - 5.500'

Fixture Segments Starter Middle End 8-8-8-8-7

#825-00021 V-0415

Fixture Length Segments 8-8-8-8-6 8-8-8-7 8-8-8-8-8 8-8-8-6-3 8-8-8-8-2 8-8-8-8-3 8-8-8-8-4 8-8-8-8-5 8-8-8-8-6 8-8-8-8-7 8-8-8-8-8-8 8-8-8-8-6-3 8-8-8-8-8-2 8-8-8-8-8-4

Birchwood Lighting • 1302 East Hunter Avenue • Santa Ana, CA 92705 714.550.7118 fax 714.550.7151 Due to a program of continuous improvement information is subject to change without notice. © 2013 Birchwood Lighting, Inc. All rights reserved.



Cabinet — 18-8, type-304, 22-gauge (0.8mm) stainless steel. All-welded construction. Exposed surfaces have satin finish.

Door — 18-8, type-304, 22-gauge (0.8mm) stainless steel with 18-gauge (1.2mm) stainless steel door frame. Exposed surfaces have satin finish. Front of door is drawn, one-piece, seamless construction. Secured to cabinet with two rivets. Equipped with a tumbler lock keyed like other Bobrick washroom accessories.

Dispensing Mechanism, Inner Housing and Cam — 18-8, type-304, 18-gauge (1.2mm) stainless steel.

Spindles (2) — Heavy-duty, one-piece, molded ABS. Theft-resistant. Retained in dispensing mechanism when door is locked.

OPERATION:

Unit holds two standard-core toilet tissue rolls up to 5-1/4" (133mm) diameter (1800 sheets). Tissue rolls are loaded and locked into dispensing mechanism. Extra roll automatically drops in place when bottom roll is depleted. Depleted rolls can only be removed after unlocking door.

INSTALLATION:

For partitions with particleboard or other solid core, secure with four $\#10 \ge 5/8"$ (4.8 $\ge 16mm$) sheet-metal screws (not furnished) at points indicated by an *S*, or provide through-bolts, nuts, and washers.

For hollow-core metal partitions, provide solid backing into which sheet-metal screws can be secured. If two units are installed back-toback, then provide threaded sleeves and machine screws for the full thickness of partition.

For plaster or dry wall construction, provide concealed backing to comply with local building codes, then secure unit with sheet-metal screws.

For other wall surfaces, provide fiber plugs or expansion shields for use with sheet-metal screws or provide 3/16" (5mm) toggle bolts or expansion bolts.

SPECIFICATION:

Surface-mounted multi-roll toilet tissue dispenser shall be type-304 stainless steel with all-welded construction, including dispensing mechanism, inner housing and cam; exposed surfaces shall have satin finish. Front of toilet tissue dispenser door shall be drawn, one-piece, seamless construction. Door shall be secured to cabinet with two rivets and equipped with a tumbler lock keyed like other Bobrick washroom accessories. Unit shall dispense two standard-core toilet tissue rolls up to 5-1/4" (133mm) diameter (1800 sheets). Extra roll shall automatically drop in place when bottom roll is depleted. Unit shall be equipped with two theft-resistant, heavy-duty, one-piece, molded ABS spindles.

Surface-Mounted Multi-Roll Toilet Tissue Dispenser shall be Model B-2888 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.



□ Model 344 — Recessed **Braclex**[®] (Waste container projects 4¾")

- □ Model 344-10 Semi-Recessed (recesses 2"; projects 6³⁄₄")
- □ Model 344-11 Surface-Mounted (projects 8³⁄₄")

🗹 Standard Series — Satin Finish

12-Gallon Capacity

Product Materials

FLANGE: 22 gauge stainless steel with exposed surfaces in architectural satin finish. One-piece seamless construction, 1" wide with ¼" return. **CABINET:** heavy gauge stainless steel. All welded construction.

WASTE CONTAINER: 22 gauge stainless steel. All welded construction. Secured to cabinet with tumbler lock keyed like other Bradley units.

LINER: (optional) heavy-duty stitched vinyl-coated nylon.

HINGED COVER: (optional) 22 gauge stainless steel with exposed surfaces in architectural satin finish. Heavy-duty stainless steel piano hinge.

PUSH FLAP DOOR: (optional) 22 gauge stainless steel with exposed surfaces in architectural satin finish. Heavy-duty stainless steel piano hinge. Self-closing flap door is embossed **PUSH**.

Capacity

12 gal. (1.6 cu. ft.)

Operation

Receptacle removable for servicing by unlocking waste container.

Installation

Verify all rough-in dimensions prior to installation. Recessed unit requires rough wall opening 15%"W x 29%"H x 4"D (Semi-recessed unit only 2" deep). Secure to framing with mounting screws (included) at holes provided. Shim at screw points as required.

Guide Specification

Recessed waste receptacle shall be fabricated of heavy gauge stainless steel with seamless exposed surfaces in satin finish. Removable 12-gal. stainless steel waste receptacle secured to cabinet with tumbler lock. Heavy duty vinyl liner is optional.

Overall dimensions: 171/8"W x 305/8"H x 83/4"D.



Optional Features

Feature		Suffix
	Hinged cover	-35
	Hinged cover with push flap door	-65
	Vinyl Liner Part #P11-004	

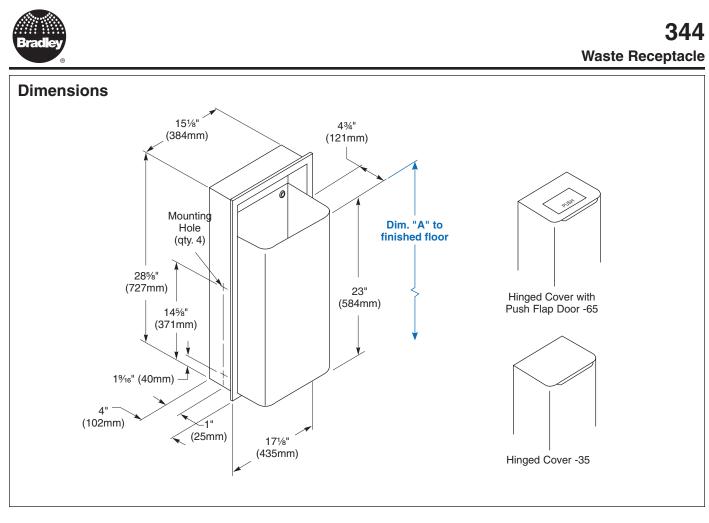
🔄 ADA Compliant

Consult local and national accessibility codes for proper installation guidelines.

Conformity and compliance to local and national codes is the responsibility of the installer.

Orders composed of products indicated as **Braclex**[®] will be available to ship in three days after receipt of order at the factory. There is no pricing penalty for this service from Bradley.

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Dim. "A" Key Surface:	For Dim. "A"	Top of Rough Wall Opening	Bottom of Rough Wall Opening		
Waste receptacle top lip	36" (914mm)	41¾" (1060mm)	125%" (321mm)		
to finished floor	32" (813mm)	37¾" (959mm)	85%" (219mm)		
	28" (711mm) 33¾" (857mm) 45⁄2		45⁄8" (117mm)		
Rough wall opening:					
Surface Mount:	Surface Mount: No rough opening, see overall dimensions				
Recessed:	15%" (397mm) Wide x 291⁄%" (740mm) High x 4" (102mm) Deep				
Semi-Recessed: 15 ⁵ / ₄ " (397mm) Wide x 29 ¹ / ₆ " (740mm) High x 2" (51mm) Deep					

Orders composed of products indicated as **Bradex**® will be available to ship in three days after receipt of order at the factory. There is no pricing penalty for this service from Bradley.

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Spout and Stem Assembly — Above the counter, chrome plated ABS plastic spout. Unit is equipped with a spring loaded 180° rotatable lid with concealed locking mechanism for top filling. Rotatable lid mechanism consists of metal components. Integrated to Spout are a grey plastic Dispense Tip and Activation Lens Housing. Stem connects to Bottle.

Foam Mixer Cartridge – Located inside grey nozzle tip, mixer cartridge has an integrated nylon mesh and nozzle tip is removable for mixer cartridge cleaning and maintenance.

Air Pump — Diaphragm operated electronic air pump connects to the air tube adapter and supplies air to the Foam Mixer Housing.

Foam Mixer Housing – Plastic construction connects air tube and soap outlet into a mixing chamber to create a preliminary mixture of foam.

Soap Bottle — Translucent, shatter-resistant polyethylene. Capacity: 34-fl oz (1.0-L).

Pump and Soap Delivery System — A plastic Gear Pump submerged in the bottom of the Bottle, pumps the foam soap through a vinyl tube to spout.

Bottom Housing – Water-resistant, ABS plastic housing attached to the bottom of the Bottle houses the PC Board, motor that drives the Gear Pump, and the Gear Pump Housing. It includes a Portion Control Knob, Flush Button to allow for system cleaning and maintenance, a connector for the Fiber Optic cables, and Power Port.

continued . . .

Electronic Activation/Indication System – Pair of plastic Fiber Optic cables connects the plastic Activation Lenses to an IR Sensor located on a PC Board in the Bottom Housing. A third plastic Fiber Optic cable connects an LED located on the PC Board to an acrylic Lens at the tip of the Spout; a solid green LED indicates dispense activity and a red blinking LED indicates low battery life. All three cables are integrated into one Fiber Optic Connector Tip for ease of installation.

6V AC Adapter – 6V AC Adapter with U.S. Plug comes standard. Optional Battery Pack available, order Part No. 824-241. Battery Pack uses 4 "D" cell batteries (not included). For outlets not compatible with U.S. plugs, order Part No. 3974-58.

OPERATION:

To fill dispenser, insert tip of standard key provided into opening of the concealed locking mechanism in the dispenser body to disengage door for quick and easy top filling. Lid will open for filling dispenser with bulk <u>foam</u> hand soap. Rotate door counterclockwise to close and lock in place.

To activate dispenser, place hand under spout near the sensor for approximately 1/2 second. Spout will dispense foam that is generated by mixing air and foam soap. The texture of the foam can be adjusted by rotating the control dial. The texture may vary depending on the type of soap used.

Designers Note: Bobrick Foam soap dispensers are designed to dispense commercially marketed all purpose foam hand soaps and antibacterial foam soaps that are not alcohol or iodine based. Acceptable foam soaps need to have a viscosity of less than 100cPc (centipoise).

INSTALLATION:

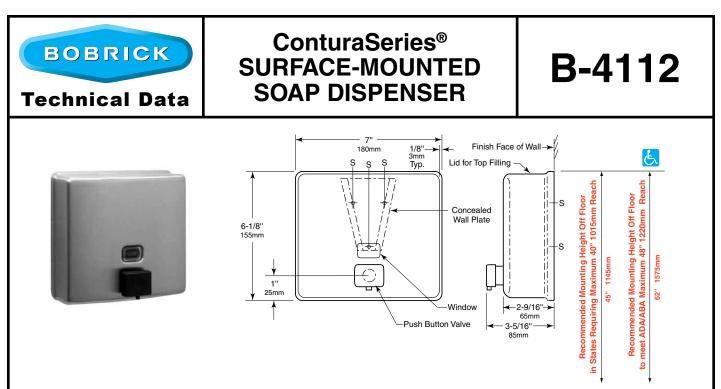
Unit is designed for installation into counter up to 2" (50mm) maximum thickness with minimum 1-3/8" (35mm) diameter mounting hole. Unit may be mounted through special hole requisitioned when lavatory is ordered from manufacturer (specify punching locations). Recommended mounting location is between 6" to 8" (150 to 205mm) from back wall and 3" (75mm) from the sink rim to the center of the mounting hole. Minimum 18" (455mm) vertical and 5" (125mm) diameter clearance required for soap bottle and bottom housing below mounting hole. Plug AC Adapter into wall and end plug into power port on bottom housing.

Designers Note: Unit is not compatible with above the counter sink rims greater than 1-1/2" W x 1" H (25 x 40mm) or 2-1/2" W x 1/2" H (65 x 12.7mm). **Caution:** Sink rim must not come into contact with activation area. For more information refer to Form No. 824-307 Mounting Template in the Installation Instructions.

SPECIFICATIONS:

Counter-Mounted, Automatic, Top-Fill Bulk Foam Soap Dispenser shall dispense commercially marketed all-purpose bulk foam hand soaps. Spout assembly shall be bright polished chrome plated ABS plastic with integral stem to accommodate up to 2" (50mm) thick counter tops. Unit shall be equipped with oversized funnel shape opening, covered by a 180° rotatable lid with concealed locking mechanism to allow for top filling. Unit shall have LED indicators to show when unit has been activated and low battery life. Unit shall have IR Sensor located on PC board housed in a water-resistant plastic housing. Activation Lens shall allow for defined activation range to eliminate chance of false activation during hand washing. Unit equipped with unique two stage foam mixing chambers. Air pump delivers air to foam mixer housing, combining foam soap solution and air to form a preliminary mixture of foam. Soap is then pumped through spout where a second chamber in the nozzle tip houses a mixer cartridge with nylon mesh which delivers a rich lather of foam soap. Control Dial shall allow field adjustment of foam texture. Unit shall be equipped with an Automatic System Flush Button to allow for cleaning and maintenance. Comes with 6V AC adapter. Optional Battery Pack available, order Part No. 824-241. Battery Pack uses 4 "D" cell batteries (not included). For outlets not compatible with U.S. plugs, order Part No. 3974-58.

Top-Fill Bulk SureFlo[®] Automatic Counter-Mounted Foam Soap Dispenser shall be Model B-828 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.



Container — Body is 18-8, Type-304, 20-gauge (1.0mm) stainless steel with satin-finish. Drawn, one-piece, seamless construction. Front has same degree of arc as other Bobrick ConturaSeries washroom accessories. Radius on corners and edges complement other ConturaSeries accessories. Back plate is 22-gauge (0.8mm) stainless steel with 20-gauge (1.0mm) stainless steel mounting bracket attached. Container body and back plate are epoxy-sealed to prevent warping and leakage. Concealed wall plate is 20-gauge (1.0mm) stainless steel. Equipped with a plastic soap refill-indicator window and a locked, hinged stainless steel lid for top filling. Capacity: 40-fl oz (1.2-L).

Valve — Black molded plastic push button. Soap head-holding mushroom valve. Stainless steel spring. U-packing seal and duckbill. Antibacterial-soap-resistant plastic cylinder.

OPERATION:

Corrosion-resistant valve dispenses commercially marketed all-purpose hand soaps. To prevent corrosion, use only chloridefree pH-netural liquid soaps, non-iodine based soaps and do not use alcohol based sanitisers. Valve operates with one hand, without tight grasping, pinching, or twisting of the wrist, and with less than 5 pounds of force (22.2 N) to comply with accessible design guidelines (including ADAAG in U.S.A.). Window indicates when refill is required. The locked, hinged lid opens for top filling with special key provided. Concealed, vandal-resistant mounting.

INSTALLATION:

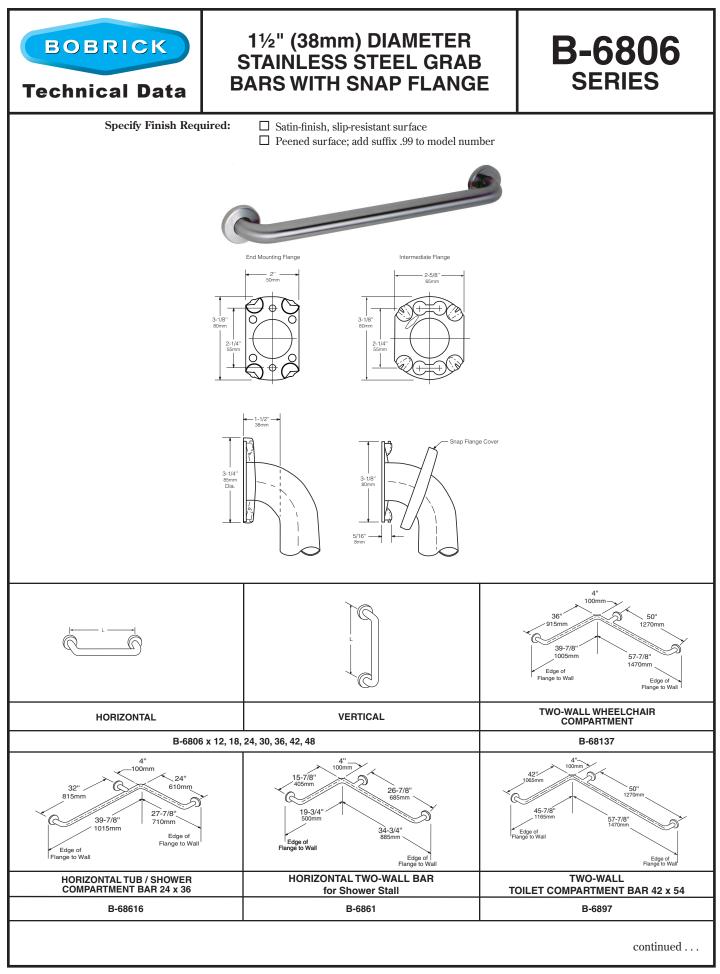
Secure wall plate to the wall with screws furnished at points indicated by an *S*. Slide mounting bracket of container down onto wall plate and secure unit with furnished locking-screw. For plaster or dry wall construction, provide concealed backing to comply with local building codes, then secure unit with screws furnished. For other wall surfaces, provide fiber plugs or expansion shields for use with screws furnished, or provide 1/8" (3mm) toggle bolts or expansion bolts.

Note: Surface-mount the dispenser plumb and true with valve 6" (152mm) to right or left of lavatory center. Provide 4" (102mm) minimum clearance from the lid to the underside of any horizontal projection. Push buttons should be located 44" (1120mm) maximum above the finish floor. Where a high reach is over an obstruction (countertop), the high forward reach shall be 48" (1220mm) maximum where the reach depth is 20" (510mm) maximum. Where the reach depth exceeds 20" (510mm) the high forward reach shall be 44" (1120mm) maximum and the reach depth shall be 25" (635mm) maximum.

SPECIFICATION:

Surface-mounted soap dispenser shall be Type-304 stainless steel with satin-finish. Corrosion-resistant valve shall dispense commercially marketed all-purpose hand soaps. To prevent corrosion, use only chloride-free pH-netural liquid soaps. Valve shall be operable with one hand and with less than 5 pounds of force (22.2 N) to comply with accessible design guidelines (including ADAAG in U.S.A.). Front of soap dispenser shall have same degree of arc and match other Bobrick ConturaSeries accessories in the washroom. Radius on corners and edges of soap dispenser shall complement other Bobrick ConturaSeries washroom accessories. Container body and back plate shall be epoxy-sealed to prevent warping and leakage. Soap dispenser shall have concealed, vandal-resistant mounting. Locked, hinged stainless steel lid for top filling shall require special key to open. Capacity shall be 40-fl oz (1.2-L).

Surface-Mounted Stainless Steel Soap Dispenser shall be Model B-4112 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.



The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet. The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

Grab Bar — 18-8 S, type-304, 18-gauge (1.2mm) stainless steel tubing with satin-finish, slip-resistant surface. 1-1/2" (38mm) outside diameter. Ends are heliarc welded to flanges. Clearance between the grab bar and wall is 1-1/2" (38mm).

Concealed Mounting Flanges — 18-8 S, type-304, 11-gauge (3.2mm) thick, stainless steel plate; end flanges 2" x 3-1/8" (50 x 80mm) with holes for attachment to wall. Intermediate flanges 2-5/8" x 3-1/8" (65 x 80mm) wide x 3-1/8" (80mm) diameter.

Snap Flange Covers — 18-8 S, type-304, 22-gauge (0.8mm) drawn stainless steel with satin-finish. 3-1/4" (85mm) diameter x 1/2" (13mm) deep. Each cover snaps over mounting flange to conceal mounting screws.

STRENGTH:

Bobrick grab bars that provide 1-1/2" (38mm) clearance from wall can support loads in excess of 900 pounds (408kg) if properly installed. Other grab bar configurations can support loads in excess of 250 pounds (113kg) if properly installed, complying with accessible design (including ADAAG in the U.S.A.) for structural strength

Safety Warning: Grab bars are no stronger than the anchors and walls to which they are attached and, therefore, must be firmly secured in order to support the loads for which they are intended. To avoid potential injury, the building owner or maintenance personnel should remove the grab bar from service if the grab bar is not adequately secured to wall or if there is any observed damage to the welds.

INSTALLATION:

Provide concealed anchor device or backing as specified or required in accordance with local building codes before wall is finished. Fasten concealed mounting flanges to anchor device or backing with at least two screws opposing each other in each flange. Snap flange covers over each mounting flange to conceal mounting screws. Concealed anchor devices and mounting screws are not included with Bobrick grab bars and must be specified as an accessory.

For Grab Bars with an Intermediate Flange(s), Pull Snap-Flange Covers away from mounting flanges. Place grab bar in desired mounting location. Use intermediate flange as a template to mark location of mounting screws at intermediate flange only. Mark screw locations at the center of the slot in the middle of the double-keyhole shaped mounting holes (2) in the intermediate flange. Remove grab bar from wall. Drive the intermediate flange mounting screws into wall at marked locations. **Note:** Make sure to leave a space of just over 1/8" (3.17mm) between the underside of the screw head and the wall. Install grab bar on the wall by placing the round ends of the intermediate flange double-keyhole shaped mounting screws (2) are located in the middle of the flange slots. Install the mounting screws into the wall at the end flanges and secure tightly. Tighten the mounting screws at the intermediate flange. Press all snap-flange covers into place to conceal mounting flanges.

Note: Recommend use of 1/4" or #14 sheet metal or wood screws to install Intermediate Flange. #12 screws may also be used.

Important Notes:

1. Mounting Kits — Bobrick offers a mounting kit for installing grab bars; one Bobrick mounting kit is required for each flange.

Mounting Kit No.	Description
252-30	Consists of # (3) 14 x 2½" type-304 stainless steel, Phillips round-head, sheet-metal screws.

2. Grab Bar Fastener — Bobrick offers a grab bar fastening system that secures all Bobrick grab bar series; one Bobrick fastener is required for each flange. Install grab bar without backing in wall requires minimum 5/8" (16mm) thick painted or tiled drywall.

WingIt™ Fastener No.	Description
251-4	Consists of 10–32 x 5/16" round-head, Phillips 18/8 stainless steel screws. (1) Winglt grab bar fastener.

3. Optional Anchor Device — Bobrick grab bar anchor device includes stainless steel machine screws to be used for attaching grab bars to anchors. one Bobrick concealed anchor device is required for each flange.

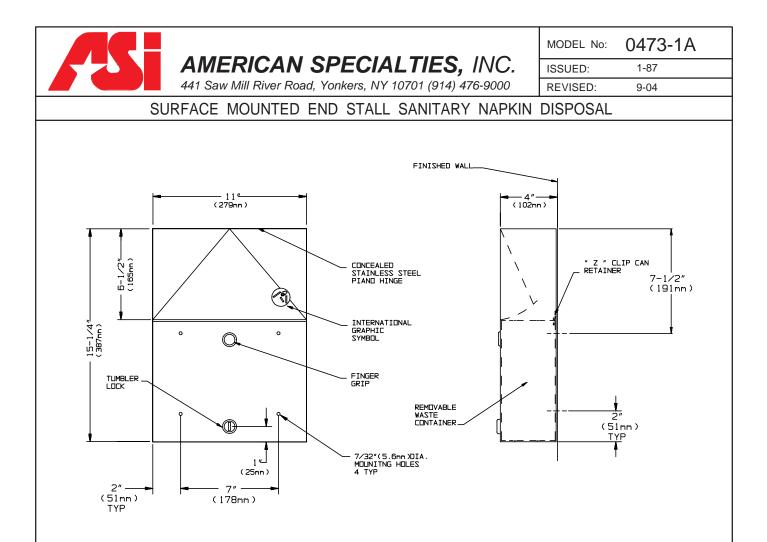
Optional Anchor No.	Description
2583	Anchor for 3/4" to 1" (19-25mm) panel 1 anchor required for each flange.
2586	Anchor for 1/2" to 1" (13mm) panel 1 anchor required for each flange.

SPECIFICATION:

Grab bar shall be type-304 stainless steel with satin-finish, slip-resistant surface. Grab bar shall have 18-gauge (1.2mm) wall thickness and 1-1/2" (38mm) outside diameter. Clearance between the grab bar and wall shall be 1-1/2" (38mm). Concealed mounting flanges shall be 11-gauge (3.2mm) thick stainless steel plate, 2" x 3-1/8" (50 x 80mm), and equipped with at least two screw holes for attachment to wall. Flange covers shall be 22 gauge (0.8mm), 3-1/4" (85mm) diameter x 1/2" (13mm) deep, and shall snap over mounting flange to conceal mounting screws and/or WingIt fasteners. Ends of grab bar shall pass through concealed mounting flanges and be heliarc welded to form one structural unit. Grab bar shall comply with accessible design (including ADAAG in the U.S.A.) for structural strength.

Grab Bar shall be Model ______ (insert model number) of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet. The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions



SPECIFICATION

Surface Mounted End Stall Sanitary Napkin Disposal with locking waste receptacle shall hold 1.5gal (5.7liters) of dry/solids waste and shall have waste receptacle, door and cabinet fabricated of alloy 18-8 stainless steel, type 304, 22 gauge; all exposed surfaces shall have N°4 satin finish and be protected during shipment by a PVC film easily removable after installation. Push door shall be attached to cabinet with a concealed full length 3/16" dia. (5mm) stainless steel multi-staked piano hinge at top and shall have the international waste symbol affixed to front. Structural assembly of body and door components shall be of welded construction and cabinet shall have no exposed fastening devices or visible spot welded seams. Removable waste container shall be captured internally by full width Z-retainer and shall be held closed with a tumbler lock keyed alike to other ASI washroom equipment. Waste container shall have a safety-edged finger grip.

Surface Mounted End Stall Locked Sanitary Napkin Disposal shall be Model Nº 0473-1A as manufactured by American Specialties, Inc., 441 Saw Mill River Road, Yonkers, New York 10701-4913

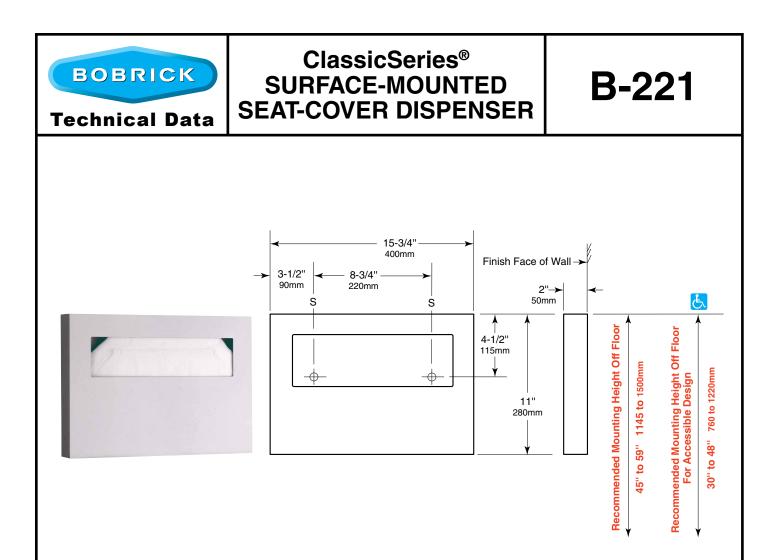
INSTALLATION

Unit is mounted on wall using $N^{\circ}10$ self-tapping screws (by others). For maximum usability and compliance with ADA Accessibility Guidelines, unit should be installed so that top of disposal door is between 34" (864mm) maximum above finished floor (AFF) and 24" (610mm) minimum AFF.

OPERATION

User pushes door to deposit waste material. Door is self-closing. Maintenance schedule determines waste removal cycle. Unit is emptied by removing bottom waste container and inverting over collection bag. Waste container is captured by internal angle to prevent inadvertent dumping and key lock to prevent unauthorized access or removal. Safety-edged finger grip provides convenient grip for service.

Accessory Specialties	AMERICAN DISPENSER	Desert Ray Products
-----------------------	--------------------	---------------------



18-8, type-304, 22-gauge (0.8mm) stainless steel with satin finish. All-welded construction with beveled opening.

OPERATION:

Dispenses single- or half-fold paper toilet seat covers from beveled opening. Dispenser fills from bottom through concealed opening. Capacity: 250 toilet seat covers or one box.

INSTALLATION:

Mount unit on wall or toilet partition with two flat-head screws, not furnished by manufacturer, at points indicated by an *S*. For plaster or dry wall construction, provide concealed backing that complies with local building codes, then secure unit with flat-head screws not furnished. For other wall surfaces, provide fiber plugs or expansion shields for use with screws, not furnished, or provide 1/8" (3mm) toggle bolts or expansion bolts.

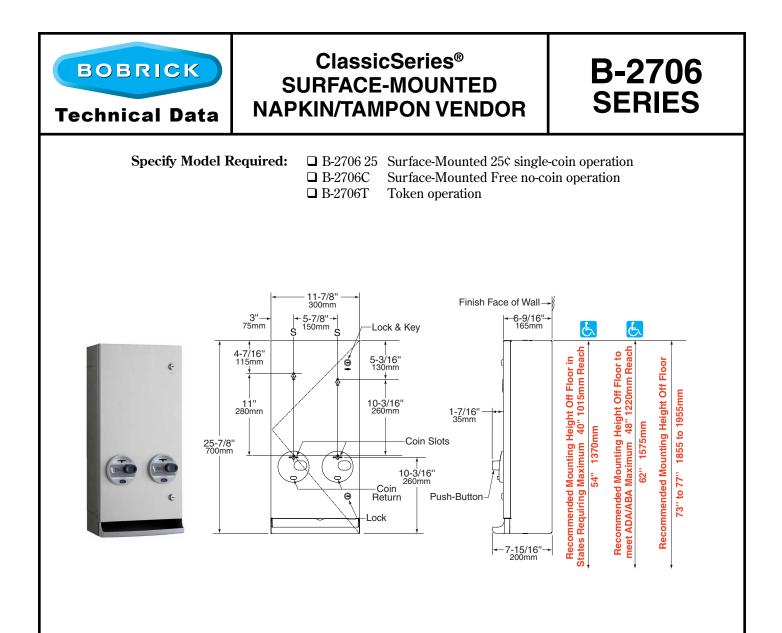
Note: Provide a 5" (125mm) minimum clearance from bottom of dispenser to top of any horizontal projection to provide room for filling dispenser from bottom.

SPECIFICATION:

Surface-mounted toilet-seat-cover dispenser shall be type-304, 22-gauge (0.8mm) stainless steel with all-welded construction; exposed surfaces shall have satin finish. Dispenser shall have a concealed opening in bottom for filling. Capacity shall be 250 paper toilet seat covers or one box.

Surface-Mounted Seat-Cover Dispenser shall be Model B-221 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

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Token — Part.-No. 3706-405 - qty of 100 Tokens (measurement: .900" diameter, .067" thickness), qty of 100 Tokens are available as part of the unit and are also available as spare part (qty of 100 pcs).

MATERIALS:

Cabinet — 18-8, Type-304, 18-gauge (1.2mm) stainless steel. All-welded construction.

Door — 18-8, Type-304, 18-gauge (1.2mm) stainless steel with satin finish. Door has three 90° return edges and hemmed bottom edge. Secured to cabinet with a concealed full-length stainless steel piano-hinge. Equipped with two tumbler locks keyed like other Bobrick washroom accessories. Door has no brand-name advertising for products dispensed. Graphic symbols identify products dispensed and coin denomination.

Coin Mechanisms (2) — Impact-Resistant PC-ABS Push Buttons. Coin mechanisms can be converted in the field to any standard coin denomination (Free, 25¢ or Token) order Part No. 3706-250 for Free Vend Conversion Kit. Accepts one (U. S. or Canadian) as designated by factory setting. Coin Box is equipped with tumbler lock that opens with different key than furnished for door locks.

Coin Return Push-Button (2) — Impact-Resistant PC-ABS Push-Button cancels selection and returns coin into product tray.

Product Tray — Impact-Resistant PC-ABS, provides convenient access to dispensed product.

continued . . .

OPERATION:

After coin is inserted in dispensing mechanism of patron's choice, pushing button dispenses boxed sanitary napkin or tampon tube. Mechanical operations; no batteries or electricity required. Coin slot of each dispensing mechanism is identified by a graphic symbol. Capacity: 20 sanitary napkins and 30 tampons. Coin slots are automatically blocked with a red indicator when supply is depleted. Coin Return Push-Button cancels the selection and returns coin into product tray. Wrong coins (penny, nickel, dime) by-pass mechanisms and drop into product tray. Vendor dispenses sanitary napkin packages measuring $2-7/8" \ge 3/4" \ge 4-1/8"$ to $3-1/8" \ge 1-1/8" \ge 4-3/8"$ (73 x 19 x 105mm to 80 x 29 x 111mm) and tampon tubes measuring $4-5/8" \log x 9/16"$ diameter minimum to $5-1/8" \log x 3/4"$ diameter maximum (118 x 14 to 130 x 19mm).

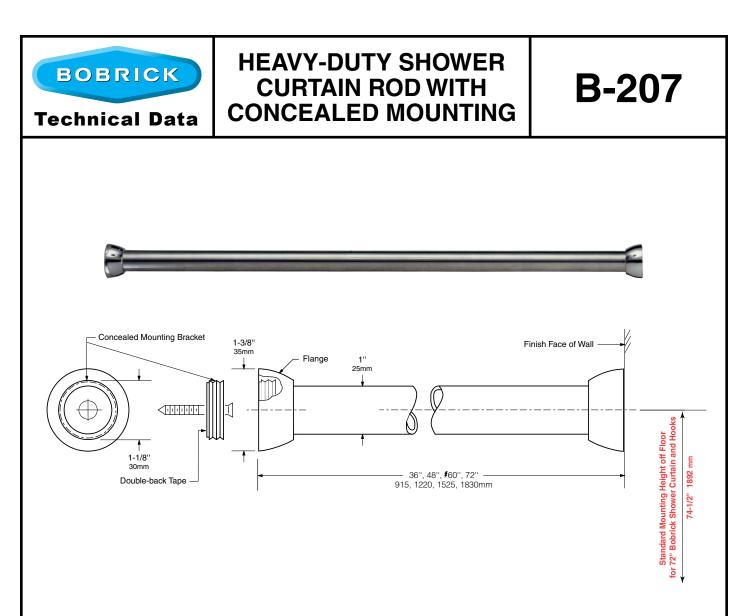
INSTALLATION:

Mount unit on wall with four sheet-metal screws (not furnished) at points indicated by an *S*. For plaster or dry wall construction, provide concealed backing to comply with local building codes, then secure unit with sheet-metal screws (not furnished). For other wall construction, provide fiber plugs or expansion shields for use with sheet-metal screws, or provide 1/8" (3mm) toggle bolts or expansion bolts. If unit projects above top of wainscot, provide aluminum channel or other filler to eliminate gap between unit and finish face of wall.

SPECIFICATION:

Surface-Mounted napkin/tampon vendor shall combine two dispensing mechanisms in one cabinet to provide sanitary napkins and tampons at user's option. Mechanical operations; no batteries or electricity required. Dispensing mechanisms shall be pre-set at factory for _ _____ (insert one: Free , 25¢ or Token) operation, but shall be convertible in the field to allow the change of coin denomination without removing unit from wall. Door shall be furnished with graphics indicating specified coin denomination. Unit shall be Type-304 stainless steel with all-welded construction; exposed surfaces shall have #4 satin finish. Door shall be 18 gauge (1.2mm); have three 90° return edges and bottom edge hemmed; be secured to cabinet with a concealed, full-length stainless steel piano hinge; and equipped with two tumbler locks keyed like other Bobrick washroom accessories. Vendor product selection and coin return pushbutton-operation shall be certified ADA-ABA, ICC/ANSI A117.1 complaint by third party (certification available on request) for operation with one hand with less than 5 pounds of force (22.2 N) without tight grasping, pinching or twisting of the wrist. Push-Button coin return shall cancel selection and return coin into product tray. Wrong coins (penny, nickel, dime) shall by-pass mechanisms and drop into product tray. Product tray shall be impact-resistant PC-ABS plastic and provide easy access to dispensed product. Coin Box shall be equipped with a tumbler lock that is keyed differently than door locks. Unit shall not carry brand-name advertising.

Surface-Mounted Napkin/Tampon Vendor shall be Model _______ (insert model number) of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.



Curtain Rod — 18-8, Type-304, 20-gauge (1.0mm) stainless steel tubing with satin finish. 1" (25mm) outside diameter. Available in lengths from 36" (915mm) up to 72" (1830mm).

Flanges (2) — 1-3/8" (35mm) diameter. Chrome-plated plastic. Bright polished finish.

Concealed Mounting Brackets (2) — Aluminum.

INSTALLATION:

Remove protective backing from tape attached to concealed mounting brackets. Position mounting brackets on opposite shower walls and secure with screws furnished by manufacturer. For plaster or dry wall construction, provide concealed backing to comply with local building codes, then secure brackets with screws furnished. For other wall surfaces, provide fiber plugs or expansion shields for use with screws furnished, or provide 1/8" (3mm) toggle bolts or expansion bolts. Slide flanges onto opposite ends of curtain rod. Position curtain rod, then screw threaded flanges onto mounting brackets.

SPECIFICATION:

Shower curtain rod shall be Type-304, 20-gauge (1.0mm) stainless steel with satin finish. It shall have an outside diameter of 1" (25mm). Flanges shall be 1-3/8" (35mm) diameter chrome-plated plastic with bright polished finish. Unit shall be equipped with concealed mounting brackets.

Shower Curtain Rod shall be Model B-207 x ______ (insert length) of Bobrick Washroom Equipment Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

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Technical Data

VINYL SHOWER CURTAINS

204-2 204-3

 Specify Part Required:
 204-2
 42" wide x 72" high (1065 x 1830mm)

 204-3
 70" wide x 72" high (1780 x 1830mm)



MATERIALS:

Opaque, matte white vinyl 0.008" (0.2mm) thick, containing antibacterial and flame-retardant agents. White HDPE grommets along top, one every 6" (150mm). Bottom and sides are hemmed.

OPERATION:

Hooks available as optional accessory: order Bobrick Part No. 204-1. 204-2 shower curtain, 42" wide x 72" high (1065 x 1830mm), requires 7 hooks. 204-3 shower curtain, 70" wide x 72" high (1780 x 1830mm), requires 12 hooks.

INSTALLATION:

Recommended for use with Bobrick stainless steel shower curtain hooks on Bobrick stainless steel shower curtain rods: Models B-207, B-4207, B-6047 and B-6107.

SPECIFICATION:

Shower curtains shall be opaque, matte white vinyl 0.008" (0.2mm) thick, containing antibacterial and flame-retardant agents (Formulated to meet CFSM Title 19.13115), and shall have white HDPE grommets along top. Bottom and sides shall be hemmed.

NFPA-701 certified.

Vinyl Shower Curtains shall be Model ______ (insert model number) of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.





- Satin Finish Stainless Steel
- Surface-Mounted

Vandal-Resistant Escutcheons

Product Materials

UNITS: No. 4 satin finish stainless steel.

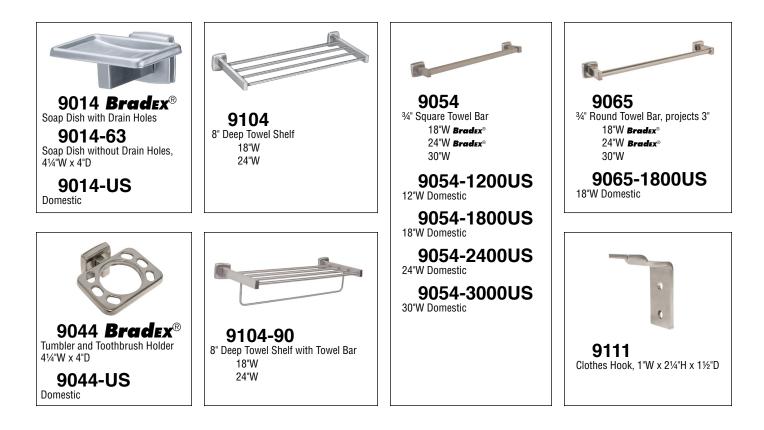
ESCUTCHEONS: 2"W x 2"H, where applicable, unless otherwise indicated.

Installation

Verify all rough-in dimensions prior to installation. Secure mounting bracket to wall with screws (included) at holes provided. With escutcheon set screw on the bottom, align top end of escutcheon plate interior to top of wall bracket. Pivot escutcheon plate(s) down in position and tighten concealed set screw to lock unit in place.

Guide Specification

Surface-mounted accessory shall be fabricated of heavy gauge No. 4 satin finish stainless steel.



Orders composed of products indicated as **Bradex**[®] will be available to ship in three days after receipt of order at the factory. There is no pricing penalty for this service from Bradley.

Page 1 of 2 11/11/2020 This information is subject to change without notice. Bradley_SatinStainlessAccessories View Latest Version

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Accessories Satin Stainless Accessories



9314 Bradex® Towel Hook, projects 41/16" 9314-US Domestic 9334 Bradex® Towel Ring, projects 2%" 9334-US

Domestic

9124 Bradex[®] Double Robe Hook, projects 21/4"

9124-US Domestic



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Bright Polished Stainless Steel

Surface-Mounted

Model 9015 Bradex®

Product Materials

SOAP DISH: Heavy gauge no. 8 bright polished stainless steel. Model 9015 has four holes in bottom of tray to permit water drainage.

Installation

Verify all rough-in dimensions prior to installation. Secure mounting bracket to wall with screws (included) at holes provided. With escutcheon set screw on the bottom, align top end of escutcheon interior to top of wall bracket. Pivot escutcheon plate down into position and tighten concealed set screw to lock unit in place.

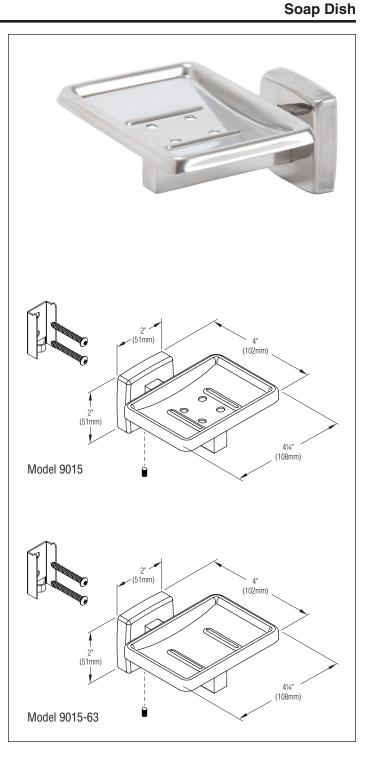
Optional Features

Feature	
Domestic 9015	-US
Domestic 9015-63	-US

Guide Specification

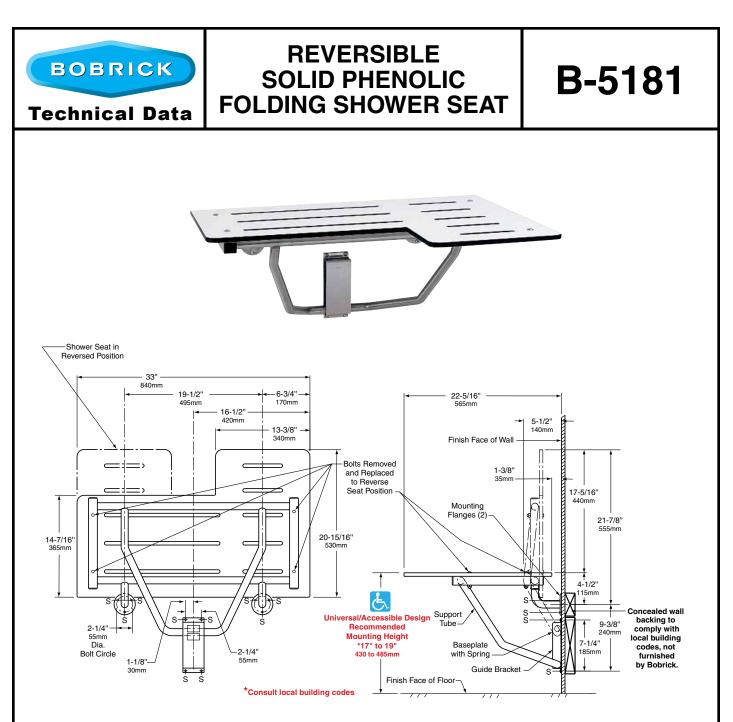
Surface-mounted accessory shall be fabricated of heavy gauge No. 8 bright polished stainless steel.

Overall dimensions: 41/4"W x 2"H x 4"D.



Orders composed of products indicated as **Bradex**[®] will be available to ship in three days after receipt of order at the factory. There is no pricing penalty for this service from Bradley.

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Left-Hand Seat Shown

MATERIALS:

Seat — One-piece, 1/2" (13mm) thick, solid phenolic with matte-finish, antique white-colored, melamine surfaces and black phenolic-resin core — cannot delaminate. Integral slots for water drainage. Secured to frame with stainless steel carriage bolts and acorn nuts. Reversible for left- or right-hand installation in the field.

Frame — 18-8, Type-304, stainless steel with satin finish. 16-gauge (1.6mm), 1-1/4" (30mm) square tubing and 18-gauge (1.2mm), 1" (25mm) diameter seamless tubing.

Mounting Flanges (2) — 18-8, Type-304, 3/16" (5mm) thick stainless steel with satin finish. 3" (75mm) diameter with three mounting screw holes.

Baseplate — 18-8, Type-304, heavy-gauge stainless steel.

Spring — 17-7, Type-301, 24-gauge (0.6mm) stainless steel. Spot-welded to baseplate.

Guide Bracket — 18-8, Type-304, 16-gauge (1.6mm) stainless steel with satin finish.

continued . . .

OPERATION:

Shower seat folds up against wall when not in use. The spring at the top of the baseplate holds seat in upright position until released by pulling the top of the seat away from the wall. Bobrick Folding Shower Seats are not spring-loaded. The seats do not return automatically to the upright position after use. Mounting flanges and guide bracket allow for varying mounting heights and leave the floor clear for easy cleaning. Nonporous solid phenolic seat has slots to permit water to drain, does not splinter or require oiling, and will not support growth of bacteria. Slotless round-head carriage bolts and acorn nuts provide additional safety to user. Bobrick shower seats, when properly installed, have sufficient strength to support 360 lbs., (163 kg) complying with accessible design guidelines (including ADAAG in the U.S.A.).

INSTALLATION:

Installation to Wall. Secure unit to wall at points indicated by an *S*, with the two mounting flanges located at top and the baseplate and guide bracket below. The bottom of the support tube must be positioned within the baseplate and guide bracket before they are secured to wall. Mounting height of shower seat must comply with local building codes.

For stud walls, provide concealed backing to comply with local building codes and secure with $#14 \ge 1/2$ " (6.3 ≤ 65 mm) stainless steel sheet-metal screws furnished by manufacturer.

For prefabricated shower stalls, provided adequate backing by the shower stall manufacturer. Secure with #14 x 2-1/2" (6.3 x 65mm) stainless steel mounting screws furnished by manufacturer. Bobrick offers a mounting kit for installing shower seats. For additional mounting kits please order 252-30. One mounting kit is required for each flange.

For masonry walls, provide fiber plugs or expansion shields for use with furnished screws, or provide 1/4" (6mm) toggle bolts or expansion bolts.

INSTALL SAFETY PLATE TO WALL:

Safety Plate is to be mounted on wall near Shower Seat in order to properly advise users of the Seat's weight restrictions. Correct installation of the Safety Plate will ensure that the Shower Seat meets A.N.S.I. Standards.

Permanently affix Safety Plate to wall on either side of the Shower Seat at a minimum height of 30" (760mm). If mounted above Seat, the Plate must be high enough so that it is not covered when Seat is on the up position. Mounting screws (4) are recommended, but double-sided tape on rear of Plate may be used for very smooth, non-porous surfaces.

SAFETY WARNING: Shower seats are no stronger than the anchors and walls to which they are attached and must be firmly secured in order to support the loads for which they are intended. Consult and comply with local building codes. To avoid potential injury, the building owner or maintenance personnel should remove the shower seat from service if the shower seat is not adequately secured to the wall. Unit shall support static loads of up to 360 lbs (163 kg) when properly installed and used. To avoid potential seat malfunction, DO NOT use seat if weight exceeds 360 lbs (163 kg).

How to Reverse Shower Seat. The solid phenolic shower seat surface may be positioned on the stainless steel frame with the longer 20-15/16" (530mm) side on the left or right. The repositioning of the shower seat surface may be done on the frame before installation on the wall, or after the unit has been installed.

If repositioning the seat surface before installation of the unit on the wall; place entire unit on a horizontal surface; remove carriage bolts and acorn nuts (4); turn seat over reversing position of long and short ends; reinstall carriage bolts and acorn nuts.

If repositioning the seat surface after the unit has been installed on the wall; lower folding seat to horizontal position; remove carriage bolts and acorn nuts (4); turn seat over reversing position of long and short ends; reinstall carriage bolts and acorn nuts.

Important Notes: Support square frame tubes when loosening and removing carriage bolts and acorn nuts; the square frame tubes may separate from the round tubes that support the solid phenolic shower seat. If square and round frame tubes come apart when solid phenolic shower seat is removed, reassemble by placing round frame tube ends in the round holes on the sides of the square frame tubes.

SPECIFICATION:

Reversible folding shower seat shall have a frame constructed of Type-304, satin-finish stainless steel that consists of 16-gauge (1.6mm), 1-1/4" (30mm) square tubing and 18-gauge (1.2mm), 1" (25mm) diameter seamless tubing. Seat shall be one-piece, 1/2" (13mm) thick, solid phenolic with matte-finish, antique white-colored, melamine surfaces, and black phenolic-resin core; secured to frame with stainless steel carriage bolts and acorn nuts. Seat shall be reversible for left- or right-hand installation in the field. Shower seat shall be equipped with two 3" (75mm) diameter mounting flanges constructed of Type-304, 3/16" (5mm) thick, satin-finish stainless steel; a guide bracket constructed of Type-304, 16-gauge (1.6mm), satin-finish stainless steel; and a spring constructed of Type-301, 24-gauge (0.6mm) stainless steel that is spot-welded to a baseplate of Type-304, heavy-gauge stainless steel. Seat shall remain in upright position when not in use. Shower seat shall comply with accessible design guidelines (including ADAAG in the U.S.A.).

Reversible Folding Shower Seat shall be Model B-5181 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom. **TECHNICAL DATA SHEET**

XLERATOR® HAND DRYER

MODELS: XL - BW W GR C SB SI SP OPTIONS: -1.1N (Noise Reduction Nozzle) -H (HEPA Filter) -VOLTAGE (See Chart)



XL-BW White Thermoset Resin (BMC)





XL-W White Epoxy Painted



XL-SI^₄ **Custom Special** Image



Chrome Plated



4

UL Environment published the first global Product Category Rules (PCR) for Hand Dryers. The PCR created evaluation methods through industry consensus that compare products' environmental impact and performance. Third-party testing results then allow for the creation of certified Environmental Product Declarations (EPDs).

An EPD is a comprehensive, internationally-harmonized report documenting a product's environmental impact over its lifecycle. They enable specifiers and buyers to make a true apples-to-apples comparison of products and make more informed product selections Excel Dryer received the industry's first certified EPDs.

FOR ARCHITECT/ENGINEER APPROVAL

Job Name:	Date:
Model Specified:	
Variations Specified:	
Customer/Wholesaler:	
Contractor/Architect:	

PERFORMANCE



ENERGY PER USE: 3.7 Wh¹

DATA BASED ON ALL XL.8 NOZZLE DRYERS WITH HEPA

SOUND: 62 - 75 dB(a) Average

VELOCITY: 12,000 - 20,000 LFM @ Air Outlet

MOTOR RPM: Up to 24,000 RPM

- HEAT RANGE: OFF to HIGH: 90°F 145°F Average @ Air Outlet
- WATTAGE: ~1,450 Watts (Heat On) ~510 Watts (Heat Off)

CONSTRUCTION

FLOW RATE: 39-64 CFM

- A. All covers will be fastened to a base plate by two chrome plated tamper-proof bolts. Cover shall be one of the following:
- Die-cast zinc alloy One-piece, heavy-duty, rib-reinforced, lightweight, unbreakable, rustproof and all exposed surfaces shall be bright chrome plated or finished with chip-proof, electrostatically applied epoxy paint.
- Bulk Molding Compound (BMC) White reinforced thermoset resin. Stainless Steel - with a brushed finish.
- Special Image Digital image applied to die-cast or stainless steel covers using patented Kolorfusion Sublimation Decoration process.
- B. Base plate shall be equipped with (3) 7/8" (22 mm) diameter holes, the bottom one is suitable for use with surface conduit.
- C. All internal parts shall be coated according to Underwriters' Laboratories, Inc. requirements
- D. Entire mechanism shall be internally grounded.
- E. Options

XLERATOR

XL-SP³

Custom Special

Paint

XLERATOR

XL-SB

Brushed Stainless

Steel

- HEPA Filtration System: Removes 99.999% of viruses from the airstream². 1.1" Noise Reduction Nozzle: Reduces the sound level by 9 decibels by significantly decreasing air deflection noise while only increasing dry time by approximately 3 seconds.
- F. Accessories (optional)
 - Antimicrobial Wall Guards: 89W (Microban® White), 89B (Microban Black), 89S (Brushed Stainless Steel)

XChanger Paper Towel Dispenser Retrofit Kit: 40575, 40576 (ADA Height) ADA-Compliant Recess Kit: 40502

MECHANISM

- A. New 50% longer life motor shall be a thermally protected, series commutated, through-flow discharge vacuum motor/blower (5/8 hp / 24,000 rpm) which provides air velocity of up to 20,000 LFM (linear feet per minute). Includes a washable metal mesh filter for more reliable performance.
- B. Heating element (970 W) is constructed of Nichrome wire and mounted inside the blower housing, thereby being vandal resistant. It shall be protected by an automatic resetting thermostat, which shall open whenever air flow is cut off and shall close when flow of air is resumed. It shall produce an average air temperature at the outlet of up to 145°F (63°C) at a 72°F (22°C) ambient room temperature.
- C. Control assembly is activated by an infrared optical sensor located next to the air outlet. The dryer shall operate as long as hands are under the air outlet. Control includes a speed and sound control mechanism, adjustable heat control with High, Medium, Low and Off settings and a filter sensor which is activated should the filter become clogged. There is a 35-second lockout feature if hands are not removed. Sensor equipped with externally visible red LED that flashes error codes to assist in troubleshooting.

LIMITED WARRANTY

The dryer shall be guaranteed to be free from defects for a period of seven (7) years. Warranty shall include labor performed at factory as well as the repair or exchange of defective parts, at manufacturer's option.

QUANTITY RECOMMENDATIONS

One dryer for every two washbasins is sufficient for most applications. If restroom traffic is unusually heavy, we suggest one dryer per washbasin in small installations and two dryers for every three washbasins in larger installations. When a 54" washfountain is used, we suggest four to five drvers

EXCEL DRYER, Inc. East Longmeadow, MA

Phone 1.800.255.9235 1.413.525.2853 Fax

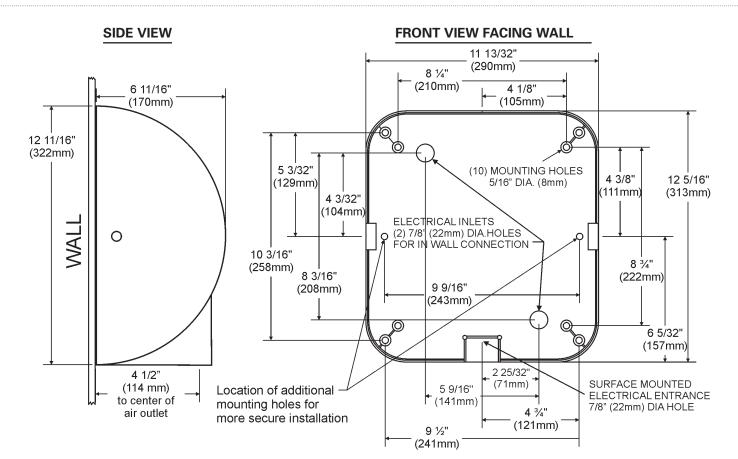
sales@exceldryer.com www.exceldryer.com



TECHNICAL DATA SHEET

XLERATOR® HAND DRYER

MODELS: XL - BW W GR C SB SI SP OPTIONS: -1.1N (Noise Reduction Nozzle) -H (HEPA Filter) -VOLTAGE (See Chart)



DIMENSIONS

Width 11 ³/4" (298 mm) Height 12 ¹¹/16" (322 mm) **Depth** 6 ¹¹/16" (170 mm)

WEIGHT

XL-BW: 15 lbs. (6.8 kgs.) XL-SB: 16 lbs. (7.26 kgs.) XL-W, GR, C, SI, SP: 17 lbs. (7.71 kgs.)

ELECTRICAL

VOLTS	AMPS	WATTS	AMPS (NO HEAT)	WATTS (NO HEAT)	HERTZ	LISTING
110-120V	11.3-12.2A	1,213-1,450W	4.3-4.5A	442-513W	50/60 Hz	cUL)us
208-240V	5.6-6.2A	1,135-1,450W	2.0-2.2A	416-495W	50/60 Hz	c(UL)us
208-277V	5.6-6.2A	1,135-1,450W	2.0-2.2A	416-495W	50/60 Hz	ሠ
230V	6.1A	1,400W	2.1A	500W	50/60 Hz	Œ

SUGGESTED MOUNTING HEIGHTS from floor to bottom of dryer:

Men	45"	(114 cm)
Women	43"	(109 cm)
Teenagers	41"	(104 cm)
Small Children	35"	(89 cm)
Accessible	37"	(94 cm)

CERTIFICATIONS



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RoHS

Fax



Phone 1.800.255.9235 1.413.525.2853

G

CERTIFIED BUSINESS

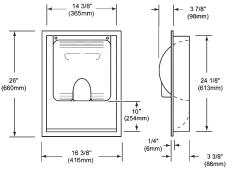
ACTIVATION

Automatic Sensor Operated

MOUNTING Surface-Mounted

OPTIONAL ADA-COMPLIANT RECESS KIT





Part # 40502

DIMENSIONS

Width 16³/8" (416 mm)

Depth 3³/8" (86 mm)

WEIGHT

11 lbs. (4.99 kgs.)

Bottom of recessed wall box should be 10" (254 mm) below suggested mounting height for dryer.

¹Dry time and energy use testing performed by SGS International on standard XLERATOR Hand Dryer with 0.8" nozzle to 0.25g or less of residual moisture, pursuant to the UL Environment Global Product Category Rules (PCP) for Hand Dryers. Based on testing performed by LIMS Technologies, April 2020. "Special Paint powder-coated covers are available in many colors and textures. "Exclusive digital image technology allows for the addition of company, school or team logos with any color, design or a 'green' message.

Height 26" (660 mm)

NOV 2020

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