Project Name:		ATRKX19	008 - Petersburg			CLEAR ALL	5
Date:		9	/1/2020			constant values	s
		Linear Deve	lopment Project?	Yes		calculation cells	5
Site Information						final results	
Post-Development Projec	t (Treatme	ent Volume	and Loads)				
		Ente	r Total Disturbe	d Area <i>(acres)</i> →	1.48	Checks	87, 88, 88, 88, 89, 89, 89, 89, 89, 89, 89
						BMP Design Specifications List:	2013 Draft Stds
			Maximum	reduction required:	20%	Linear project?	Yes
		The site's net in	crease in impervi	ous cover (acres) is:	0	Land cover areas entered correctly?	<ul> <li>Image: A set of the set of the</li></ul>
	l I I I I I I I I I I I I I I I I I I I	Post-Developme	nt TP Load Reduc	tion for Site (lb/yr):	0.43	Total disturbed area entered?	<ul> <li>Image: A second s</li></ul>
Pre-ReDevelopment Land Cover (acr	es)						
Pre-ReDevelopment Land Cover (acr	es) A Soils	B Soils	C Soils	D Soils	Totals	1	
Pre-ReDevelopment Land Cover (acr Forest/Open Space (acres) undisturbed Forest/open space	es) A Soils	B Soils	C Soils	D Soils	Totals 0.00		
Pre-ReDevelopment Land Cover (acr Forest/Open Space (acres) undisturbed forest/open space Managed Turf (acres) disturbed, graded for /ards or other turf to be mowed/managed	es) A Soils	B Soils	<b>C Soils</b>	D Soils	Totals 0.00 0.58		
Pre-ReDevelopment Land Cover (acr Forest/Open Space (acres) undisturbed forest/open space Vanaged Turf (acres) disturbed, graded for rards or other turf to be mowed/managed mpervious Cover (acres)	es) A Soils	B Soils	C Soils	D Soils	Totals           0.00           0.58           0.90		

D Soils

protected forest/open space or reforested					0.00
Managed Turf (acres) disturbed, graded for yards or other turf to be mowed/managed			0.59		0.59
Impervious Cover (acres)			0.89		0.89
Area Check	OK.	ОК.	OK.	OK.	1.48

B Soils

A Soils

### Constants

rorest/open space (acres) -- unusturbed

Annual Rainfall (inches)	43
Target Rainfall Event (inches)	1.00
Total Phosphorus (TP) EMC (mg/L)	0.26
Total Nitrogen (TN) EMC (mg/L)	1.86
Target TP Load (Ib/acre/yr)	0.41
Pi (unitless correction factor)	0.90

### Runoff Coefficients (Rv)

Totals

	A Soils	B Soils	C Soils	
Forest/Open Space	0.02	0.03	0.04	
Managed Turf	0.15	0.20	0.22	
Impervious Cover	0.95	0.95	0.95	

## STORMWATER MANAGEMENT NARRATIVE

Amtrak's ADA Platform Program (ADAPP) is proposing to upgrade the current station platform to comply with ADA requirements and the associated site stormwater, architectural, structural and utility improvements. The station has an existing building and parking lots as well as an open field of grass. It is zoned as Light Industrial District (I-1) and has a total area of 9.546 acres. The proposed platform will replace the existing paved platform and is approximately 1,020 feet long. Due to site constraints, stormwater management for the new platform area will be provided as two separate systems. The site will be split at approximately the middle of the platform, with 490 LF draining to the south, and 530 LF draining to the north. The area effected by the platform upgrades, will be approximately 1.48 acres in total disturbance.

C Soils

The northerly platform drainage system will outlet to an existing stormwater path that flows northerly overland in grassy and vegetated areas and into Fleets Brook. Although the impervious area increases, the total tributary area for the northerly system is being reduced so that in turn the peak flow rate will be less than under existing conditions.

The southern stormwater outlet will be an existing inlet that is a part of the municipal system in Bessie Lane near the existing parking lot on the south side of the train station. Southern storm water management is provided using an underground detention system.

Water Quality Control

DEQ Virginia Runoff Reduction Method (VRRM) Redevelopment Compliance Spreadsheet - Version 3.0 has been utilized to meet water quality requirements for this development. The water quality analysis was completed analyzing the entire site, post development impervious coverage is 0.89 acres, with a total disturbance of 1.48 acres. Water quality requirements will be met by purchasing stormwater credits. The pollutant removal requirement for the proposed site improvements is 0.43 lbs/yr. Water quality calculations are located on this sheet.

Water Quantity Control

The northern half of the site drains to one outfall point, which is continued following an overland stormwater path that eventually leads to Fleets Brook. The existing drainage area to the on-site outlet point is approximately 1.34 acres, which includes 0.72 acres of adjoining drainage area. The drainage area is being reduced by 0.08 acres to 1.26 acres which is intended to reduce proposed peak flow rates below predevelopment rates to comply with water quantity requirements. The 1-year allowable release rate to meet channel protection requirements is 3.83 cfs and the post-development 1-year flow rate will be 3.47 cfs. The 10-year pre and post development peak flow rates are 7.74 and 7.16 cfs, respectively. Refer to the Northern Platform Stormwater Calculations for detailed calculations.

The southern half of the site drains to an existing inlet located in Bessie Lane as part of the municipal stormwater system with an existing drainage area of approximately 0.77 acres. The area will be increased to account for the northern shift. Of the 0.96 acres, 0.48 acres of drainage area is being detained in an underground detention system. The 1-year allowable release rate to meet channel protection requirements is 1.33 cfs and the post-development 1-year flow rate will be 0.99 cfs. The 1-year pre and post development peak flow rates are 1.54 cfs and 0.99 cfs, respectively. The 10-year pre and post development peak flow rates are 2.91 cfs and 1.52 cfs, respectively. Refer to the Southern Platform Stormwater Calculations for detailed calculations. The proposed detention system is designed to meet channel protection and flood protection requirements of Part IIB of the Virginia Stormwater Management. The remaining 0.48 acres will be maintaining existing hydrology and drainage patterns.

The Flooding Protection criteria outlined in section 9VAC25-870-98 of the Virginia administrative code has been addressed by this project as the 10-year post-developed peak rate of runoff does not exceed the pre-developed peak rate of runoff. This project can also be considered a "linear development" which does not require post-developed stormwater controls against flooding. The Channel Protection criteria outlined section 9VAC25-870-66 of the administrative code has been addressed through

completion of 1-year storm energy balance computations as found on sheets C-127 and C-128. The developed release rate flow does not exceed the allowable or pre-developed, illustrating compliance with the protection requirements.

Proposed Platform (A
Future Platform (AC)

North Out	fall Summa	ary Table
	1-year (cfs)	10-year (cfs)
Q <sub>forest</sub> =	1.01	4.03
Q <sub>Pre-developed</sub> =	3.83	7.74
Q <sub>Post-developed</sub> =	3.47	7.16

South Out	fall Summ	ary Table
	1-year (cfs)	10-year (cfs)
Q <sub>forest</sub> =	0.36	1.44
Q <sub>Pre-developed</sub> =	1.54	2.91
Q <sub>Post-developed</sub> =	0.99	1.52

DESCRIPTION	DATE	BY	TAMTRAK	Office of Ch
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Land Cover Sum	mary-Pre	
Pre-ReDevelopment	Listed	Adjusted
Forest/Open Space Cover (acres)	0.00	0.00
Weighted Rv(forest)	0.00	0.00
% Forest	0%	0%
Managed Turf Cover (acres)	0.58	0.58
Weighted Rv(turf)	0.22	0.22
% Managed Turf	39%	39%
Impervious Cover (acres)	0.90	0.90
Rv(impervious)	0.95	0.95
% Impervious	61%	61%
Total Site Area (acres)	1.48	1.48
Site Rv	0.66	0.66
Treatment Volume an	d Nutrient Lo	ad
Pre-ReDevelopment Treatment Volume (acre-ft)	0.0819	0.0819
Pre-ReDevelopment Treatment Volume (cubic feet)	3,567	3,567
Pre-ReDevelopment TP Load (lb/yr)	2.24	2.24
Pre-ReDevelopment TP Load per acre (lb/acre/yr)	1.51	1.51
Baseline TP Load (lb/yr) 0.41 lbs/acre/yr applied to pre-redevelopment are land proposed for new impervious co	a excluding pervious over)	0.61

Land Cover Summa	ary-Post (Final)	
Post ReDev. & Ne	w Impervious	
Forest/Open Space Cover (acres)	0.00	
Weighted Rv(forest)	0.00	
% Forest	0%	
Managed Turf Cover (acres)	0.59	
Weighted Rv (turf)	0.22	
% Managed Turf	40%	
Impervious Cover (acres)	0.89	
Rv(impervious)	0.95	
% Impervious	60%	
Final Site Area (acres)	1.48	
Final Post Dev Site Rv	0.66	
		T
Final Post-Development Treatment Volume (acre-ft)	0.0813	
Final Post-Development Treatment Volume (cubic feet)	3,540	
Final Post- Development TP Load	2.22	

D Soils 0.05 0.25 0.95

<sup>1</sup> Adjusted Lai

Pre ReDevelop managed turf

Adjusted tota acreage of new

Column I show development

										17	
Land Cover Sum	PRE-REDEVE			Land Cover Summe	ury-Post (Final)		IARY P	Many-Post	JPINIER	Land Cover Summ	nary-Post
Pre-ReDevelopment	Listed	Adjusted <sup>1</sup>		Post ReDev. & Ner	w Impervious		Post-ReDeve	elopment	-	Post-Development Ne	ew Impervious
t/Open Space Cover (acres)	0.00	0.00		Forest/Open Space Cover (acres)	0.00	Forest/ Cove	Open Space r (acres)	0.00			
Weighted Rv(forest) % Forest	0.00	0.00		Weighted Rv(forest) % Forest	0.00	Weighte	d Rv(forest) Forest	0.00			
naged Turf Cover (acres)	0.58	0.58		Managed Turf Cover (acres)	0.59	Manage	d Turf Cover	0.59			
Weighted Rv(turf)	0.22	0.22		Weighted Rv (turf)	0.22	Weight	ed Rv (turf)	0.22			
% Managed Turf	39%	39%		% Managed Turf	40%	% Mar	aged Turf	40%			
npervious Cover (acres)	0.90	0.90		Impervious Cover (acres)	0.89	ReDev. Cove	Impervious r (acres)	0.89		New Impervious Cover (acres)	0.00
Rv(impervious)	0.95	0.95		Rv(impervious)	0.95	Rv(im	pervious)	0.95		Rv(impervious)	
% Impervious	61%	61%		% Impervious	60%	% Im Total Rel	pervious Pev. Site Area	60%			
Site Rv	0.66	0.66		Final Post Dev Site Ry	0.66	(a	icres) v Site Rv	0.66			
The stars and Malance and						Treater ant M					
Treatment volume an	a Nutrient Lo					I reatment V	olume and	d Nutrient Loa	a		
velopment Treatment Volume (acre-ft)	0.0819	0.0819		Final Post-Development Treatment Volume (acre-ft)	0.0813	Post-ReD Treatm (a	evelopment ent Volume cre-ft)	0.0813		Post-Development Treatment Volume (acre-ft)	-
velopment Treatment Volume (cubic feet)	3,567	3,567		Final Post-Development Treatment Volume (cubic feet)	3,540	Post-ReE Treatm (cul	evelopment ent Volume lic feet)	3,540		Post-Development Treatment Volume (cubic feet)	
ReDevelopment TP Load (lb/yr)	2.24	2.24		Final Post- Development TP Load (lb/yr)	2.22	Post-Rel Lo:	evelopment ad (TP) p/yr)*	2.22	Ļ	Post-Development TP Load (lb/yr)	
Development TP Load per acre (Ib/acre/yr)	1.51	1.51		Final Post-Development TP Load per acre <b>(Ib/acre/yr)</b>	1.50	Post-ReDe Load (Ib/	velopment TP per acre acre/yr)	1.50			
Baseline TP Load (lb/yr) e/yr applied to pre-redevelopment area land proposed for new impervious co	a excluding pervious over)	0.61				Max. Redu (Bel ReDevelo	ction Required ow Pre- pment Load)	20%			
nd Cover Summary: pment land cover minus pervious la f) acreage proposed for new imperv	and cover (forest/op vious cover.	oen space or				TP Load Requ Redeve	Reduction lired for loped Area b/vr)	0.43	Ē	TP Load Reduction Required for New Impervious Area (Ib/yr)	0
al acreage is consistent with Post-Re w impervious cover).	eDevelopment acre	age (minus									
ws load reduction requriement for i load limit, 0.41 lbs/acre/year).	new impervious cov	er (based on new									
			Post-De	velopment Requ	irement for	Site Area					
			TP Load	l Reduction Required	(lb/yr)	0.43					
			Linear P	roject TP Load Reduction	n Required (lb/yr):	: 0.43					
			Ni	trogen Loads (Infor	mational Pur	poses Only)					
	Pre-ReDevelopme	ent TN Load (lb/yr)	16.03			Final Post-Developmen (Post-ReDevelopment	TN Load & New	15.91			
						Impervious) (lb/	yr)				
			<u>.</u>					]	100	% ISSU	ED FO
	Date			Bannani	ALL DOCUMENTS ARE INSTRUME PROJECT. THEY	S PREPARED BY PENNONI ASSOCIAT ENTS OF SERVICE IN RESPECT OF TH ARE NOT INTENDED OR REPRESENT		<b>FERSBUF</b>	RG (]	PTB)	
				rennon	TO BE SUITABLE THE EXTENSION PROJECT. ANY R	FOR REUSE BY OWNER OR OTHERS IS OF THE PROJECT OR ON ANY OTHE REUSE WITHOUT WRITTEN VERIFICAT	UN R ON		_ AÈ	A PLATFORM	
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	<u> </u>			1900 Market Street, Suite 300 Philadelphia, PA 19103 T 215,222,3000 F 215,222,3588	SHALL INDEMI ASSOCIATES FRO	INIFY AND HOLD HARMLESS PENNONI OM ALL CLAIMS, DAMAGES, LOSSES A		ER QUALITY CA	ALCUL	ATIONS AND STOR	MWATER NAR

Checked: RR

Designed: DM

Drawn: SS

2021-02-22

Date:

Drainage Area

1S 2S 1N

0.27 N/A 0.17

0.07 N/A 0.22

Total Area (AC)

0.44

0.29

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hief Engineer			Bannani	PROJECT. THEY ARE NOT INTENDED OR REPRESENTED
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Passenger Corporation			1900 Market Street, Suite 300	EXPOSURE TO PENNONI ASSOCIATES; AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS PENNONI
adelphia, Pennsylvania 19104			Philadelphia, PA 19103 T 215.222.3000 F 215.222.3588	ASSOCIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.



### 1-yr ENERGY BALANCE COMPUTATIONS: North Half of Platform

Allowable Release Calculation Guidelines below per 9VAC25-870-66 :

1. Q<sub>Developed</sub> < I.F. \* (Q<sub>Pre-developed</sub> \* RV<sub>Pre-Developed</sub>)/ RV<sub>Developed</sub>

2. Under no Condition Shall Q<sub>Developed</sub> be greater than Q<sub>Pre-developed</sub>

3. Nor shall  $Q_{\text{Developed}}$  be less than ( $Q_{\text{Forest}} * RV_{\text{Forest}}$ )/  $RV_{\text{Developed}}$ 

4. I.F. (Improvement Factor) equals 0.8 for sites > 1 acre or 0.9 for sites < 1 acre

	Post-Conditions with Runoff Reduction
Q <sub>Pre-developed</sub> =	3.83 cfs
Q <sub>Forest</sub> =	1.01 cfs
RV <sub>Pre-Developed</sub> =	10,207.00 cf
RV <sub>Developed</sub> =	9,173.00 cf
RV <sub>Forest</sub> =	2,961.00 cf
I.F. =	0.90
I.F. * (Q <sub>Pre-developed</sub> * RV <sub>Pre-Developed</sub> )/ RV <sub>Developed</sub> =	3.83 cfs
(Q <sub>Forest</sub> * RV <sub>Forest</sub> )/ RV <sub>Developed</sub> =	0.33 cfs
Under no condition may $Q_{Developed}$ be greater than $Q_{Pre-developed} =$	3.83 cfs
Q <sub>developed</sub> Allowable Release Rate =	3.83 cfs
Q <sub>developed</sub> Release Rate =	3.47 cfs

3.83 cfs

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_				<b>AMTRAK</b>	
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![](_page_1_Figure_13.jpeg)

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et Engineer			(Pennoni <sup>)</sup>	PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON		JUUK				VA	WBS:	C.EN.100694.0669
-				PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY PENNONI ASSOCIATES FOR THE		_					Sheet No.	22 OF 80
				SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL		P	ROGRA	<u>M (ADAPP)</u>				107
ssenger Corporation			1900 Market Street, Suite 300 Philadelphia, PA 19103	EXPOSURE TO PENNONI ASSOCIATES; AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS PENNONI	C	<b>VIL STOR</b>	MWATER C	ALCULATIONS	- NORTH		ې No	17/
ipilia, Fernisylvallia 19104			T 215.222.3000 F 215.222.3588	ASSOCIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.	Designed: DM	Drawn:	SS	Checked: RR	Date:	2021-02-22		

![](_page_2_Figure_0.jpeg)

![](_page_2_Figure_1.jpeg)

## Hydrograph Report

Hydraflow Hydrographs Extensior	n for Autodesk® Civil 3D® 2019 by Autode	esk, Inc. v2020
Hyd. No. 2		
Existing Flow South		
Hydrograph type Storm frequency Time interval Drainage area Basin Slope Tc method Total precip. Storm duration	= SCS Runoff = 1 yrs = 2 min = 0.480 ac = 0.0 % = User = 2.77 in = 24 hrs	Peak discharg Time to peak Hyd. volume Curve number Hydraulic leng Time of conc. ( Distribution Shape factor

![](_page_2_Figure_5.jpeg)

### **1-yr ENERGY BALANCE COMPUTATIONS:** South Half of Platform

Allowable Release Calculation Guidelines below per 9VAC25-870-66

1. Q<sub>Developed</sub> ≤ I.F. \* (Q<sub>Pre-developed</sub> \* RV<sub>Pre-Developed</sub>)/ RV<sub>Developed</sub>

2. Under no Condition Shall Q<sub>Developed</sub> be greater than Q<sub>Pre-developed</sub>

3. Nor shall Q<sub>Developed</sub> be less than (Q<sub>Forest</sub> \* RV<sub>Forest</sub>)/ RV<sub>Developed</sub> 4. I.F. (Improvement Factor) equals 0.8 for sites > 1 acre or 0.9 for sites < 1 acre

![](_page_2_Figure_11.jpeg)

Hydraflow Hydrographs Extension	on for Autodesk® Civil 3D® 2019 by Autod	esk, Inc. v2020
Hyd. No. 3		
Proposed Flow South	1	
Hydrograph type	= SCS Runoff	Peak dischar
Storm frequency	= 1 yrs	Time to peak
Time interval	= 2 min	Hyd. volume
Drainage area	= 0.480 ac	Curve numbe
Basin Slope	= 0.0 %	Hydraulic len
Tc method	= User	Time of conc
Total precip.	= 2.77 in	Distribution
Storm duration	= 24 hrs	Shape factor

![](_page_2_Figure_15.jpeg)

NC	D. DESCRIPTION	DATE	BY			Approved	Date			ALL DOCUMENTS PREPARED BY
					Office of Chief Engineer					PROJECT. THEY ARE NOT INTEN
				<b>ZAMTRAK</b>				-	Pennoni	TO BE SUITABLE FOR REUSE BY ( THE EXTENSIONS OF THE PROJE
										PROJECT. ANY REUSE WITHOUT
				This material is owned by and is the sole and exclusive property of the National Railroad						SPECIFIC PURPOSE INTENDED
				Passenger Corporation (Amtrak), Office of Engineering, and is supplied on a confidential basis solely for use in connection with the design and construction of Amtrak facilities and	National Railroad Passenger Corporation			-	PENNONI ASSOCIATES INC.	EXPOSURE TO PENNONI ASSO
				equipment. The reproduction, display, sale or other disposition of this document without the express written consent of the National Bailroad Passenger Corporation	30th Street Station. Philadelphia. Pennsylvania 19104			-	Philadelphia, PA 19103	SHALL INDEMNIFY AND HOLD F ASSOCIATES FROM ALL CLAIMS, /
				Office of Engineering, is prohibited.	······································				T 215.222.3000 F 215.222.3588	EXPENSES ARISING OUT OF OR R

![](_page_3_Picture_0.jpeg)

NORTH DRAINAGE AREA EXHIBIT - SECTION A SCALE: 1" = 50'-0"

![](_page_3_Picture_2.jpeg)

## NORTH DRAINAGE AREA EXHIBIT - SECTION B

SCALE: 1" = 50'-0"

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![](_page_3_Figure_6.jpeg)

![](_page_3_Figure_7.jpeg)

![](_page_3_Figure_8.jpeg)

![](_page_3_Figure_9.jpeg)

LEGEND 7

-

PHOTO # AND DIRECTION

STORMWATER FLOW PATH

N.T.S.

ENNONI ASSOCIATES N RESPECT OF THE	ргтг	'RCR		(DTR	3			V۸	Project Code:	PTB, VA
D OR REPRESENTED		IND	UNG	ענני) ום אם א				VA	WBS:	C.EN.100694.0669
RITTEN VERIFICATION									Sheet No.	24 OF 80
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ATES; AND OWNER RMLESS PENNONI			NORTH	DRAINA	GE AREA	<b>EXHIE</b>	BIT		ے اس	129
MAGES, LOSSES AND SULTING THEREFROM.	Designed:	DM	Drawn:	KP	Checked:	RR	Date:	2021-02-22		IWU

![](_page_4_Picture_0.jpeg)

Photo #1 - Westerly Stormwater Path Looking North

![](_page_4_Picture_2.jpeg)

Photo #5 - Westerly Stormwater Path Looking North

![](_page_4_Picture_4.jpeg)

Photo #2 - Westerly Stormwater Path Looking South

![](_page_4_Picture_6.jpeg)

Photo #3 - Westerly Stormwater Path Looking South

![](_page_4_Picture_8.jpeg)

Photo #4 - Westerly Stormwater Path Looking North

![](_page_4_Picture_10.jpeg)

Photo #6 - Westerly Stormwater Path Looking South

![](_page_4_Picture_12.jpeg)

Photo #7 - Westerly Stormwater Path Looking South

![](_page_4_Picture_14.jpeg)

Photo #8 - Westerly Stormwater Path Looking North

![](_page_4_Picture_16.jpeg)

![](_page_4_Picture_20.jpeg)

<u>Photo #9 – Westerly Stormwater Path Looking Northwestd</u>

![](_page_4_Picture_22.jpeg)

<u>Photo #10 – Stormwater Path Along Track Ballast Looking North</u>

![](_page_4_Picture_24.jpeg)

Photo #11 – Stormwater Path Along Track Ballast Looking South

![](_page_4_Picture_26.jpeg)

<u> Photo #12 – Stormwater Path Along Track Ballast Looking East</u>

![](_page_4_Picture_28.jpeg)

<u>Photo #13 – Stormwater Path along Track Ballast Looking North</u>

![](_page_4_Picture_30.jpeg)

<u>Photo #14 – Stormwater Path along Track Ballast Looking North Along Property Line</u> <u>Photo #18 – Stormwater Path along Track Ballast Looking East Along Property Line</u>

![](_page_4_Picture_32.jpeg)

Photo #15 – Stormwater Path along Track Ballast Looking South

![](_page_4_Picture_34.jpeg)

<u>Photo #16 – Stormwater Path along Track Ballast Looking East Along Property Line</u>

nief Engineer	Approved	Date	Pennoni	ALL DOCUMENTS PREPARED BY PENNONI ASSOCIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON THE EXTENSIONS OF THE PROJECT OR ON ANY OTHER	PETERS	BURG			Л	VA	Project Code: WBS:	PTB, VA C.EN.100694.0669
Passenger Corporation			PENNONI ASSOCIATES INC. 1900 Market Street, Suite 300 Philadelphia. PA 19103	PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY PENNONI ASSOCIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO PENNONI ASSOCIATES; AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS PENNONI		PF NORTH	ROGRA DRAINA	AM (ADAF GE AREA PI	PP) HOTOS I		Sheet No.	<u>25 OF 80</u>
deipilia, Pellisylvalla 19104			T 215.222.3000 F 215.222.3588	ASSOCIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.	Designed: DM	Drawn:	KP	Checked: R	R Date	2021-02-22		100

![](_page_4_Picture_40.jpeg)

<u>Photo #17 – Stormwater Path along Track Ballast Looking East Along Property Line</u>

![](_page_4_Picture_42.jpeg)

![](_page_4_Picture_43.jpeg)

<u> Photo #19 – Stormwater Path Along Track Ballast Looking North</u>

![](_page_4_Picture_45.jpeg)

Photo #20 – Stormwater Path Along Property Line Looking North

![](_page_5_Picture_0.jpeg)

Photo #21 – Stormwater Path Along Property Line Looking North

![](_page_5_Picture_2.jpeg)

<u>Photo #22 – Stormwater Path Along Track Ballast Looking North</u>

![](_page_5_Picture_4.jpeg)

<u>Photo #23 – Stormwater Path Along Track Ballast Looking South</u>

![](_page_5_Picture_6.jpeg)

Photo #24 – Stormwater Path Along Property Line Looking East

![](_page_5_Picture_8.jpeg)

Photo #25 – Stormwater Path Along Property Line Looking South

![](_page_5_Picture_10.jpeg)

<u>Photo #26 – Stormwater Path Along Property Line Looking North</u>

![](_page_5_Picture_12.jpeg)

Photo #27 – Stormwater Path Where it Meets Fleets Brook Looking West

![](_page_5_Picture_14.jpeg)

<u>Photo #28 – Stormwater Path Where it Meets Fleets Brook Looking East</u>

![](_page_5_Picture_16.jpeg)

	Approved	Date		ALL DOCUMENTS PREPARED BY PENNONI ASSOCIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE	DETEDCE			•			٧٨	Project Code:	PTB, VA
hief Engineer			(Pennoni)	PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON	r ei erst	JUNG					٧A	WBS:	C.EN.100694.0669
•				PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY PENNONI ASSOCIATES FOR THE								Sheet No.	26 OF 80
Passanger Corporation			PENNONI ASSOCIATES INC	SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL			ROGRA	M (AD	APP)				101
adelphia Pennsylvania 19104			1900 Market Street, Suite 300 Philadelphia, PA 19103	EXPOSURE TO PENNONI ASSOCIATES; AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS PENNONI ASSOCIATES EPOM ALL CLAMS, DAMAGES LOSSES AND	I	NORTH I	DRAINAG	E AREA	РНОТО	SI		_ يە	131
			T 215.222.3000 F 215.222.3588	EXPENSES ARISING OUT OF OR RESULTING THEREFROM.	Designed: DM	Drawn:	KP	Checked:	RR	Date:	2021-02-22		

![](_page_6_Figure_0.jpeg)

	Approved	Date		ALL DOCUMENTS PREPARED BY PENNONI ASSOCIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE	PETERSR	LIRC (PTF	<u>})</u>		V۸	Project Code:	PTB, VA
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Passanger Corporation			PENNONI ASSOCIATES INC	SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL		PROGR	AM (ADAF	'P)			000
adelphia Pennsylvania 19104			1900 Market Street, Suite 300 Philadelphia, PA 19103	EXPOSURE TO PENNONI ASSOCIATES; AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS PENNONI ASSOCIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND		CIVIL CONSTR	RUCTION DE	TAILS		ġ,	200
			T 215.222.3000 F 215.222.3588	EXPENSES ARISING OUT OF OR RESULTING THEREFROM.	Designed: DM	Drawn: SS	Checked: R	R Da	te: 2021-02-22		~~~

![](_page_7_Figure_0.jpeg)

![](_page_7_Figure_6.jpeg)

![](_page_7_Figure_7.jpeg)

	Approved	Date		ALL DOCUMENTS PREPARED BY PEN
hief Engineer			Bonnoni	ARE INSTRUMENTS OF SERVICE IN PROJECT. THEY ARE NOT INTENDED
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				OR ADAPTATION BY PENNONI ASSO SPECIFIC PURPOSE INTENDED WIL
Passenger Corporation			PENNONI ASSOCIATES INC. 1900 Market Street, Suite 300 Philadelphia PA 19103	SOLE RISK AND WITHOUT LIABIL EXPOSURE TO PENNONI ASSOCIAT SHALL INDEMNIFY AND HOLD HAR
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![](_page_8_Figure_0.jpeg)

![](_page_8_Figure_1.jpeg)

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hief Engineer			Pennoni	PROJECT. THEY ARE NOT INTEND TO BE SUITABLE FOR REUSE BY O
				THE EXTENSIONS OF THE PROJEC PROJECT. ANY REUSE WITHOUT W
				SPECIFIC PURPOSE INTENDED V SOLE RISK AND WITHOUT LIA
Passenger Corporation			1900 Market Street, Suite 300 Philadelphia, PA 19103	EXPOSURE TO PENNONI ASSOCI SHALL INDEMNIFY AND HOLD H/
			T 215.222.3000 F 215.222.3588	EXPENSES ARISING OUT OF OR RE

![](_page_9_Figure_0.jpeg)

hief Engineer	Approved	Date	Pennoni	ALL DOCUMENTS PREPARED BY PEN ARE INSTRUMENTS OF SERVICE IN I PROJECT. THEY ARE NOT INTENDED TO BE SUITABLE FOR REUSE BY OWN THE EXTENSIONS OF THE PROJECT ( PROJECT. ANY REUSE WITHOUT WRIT
Passenger Corporation adelphia, Pennsylvania 19104			PENNONI ASSOCIATES INC. 1900 Market Street, Suite 300 Philadelphia, PA 19103 T 215.222.3000 F 215.222.3588	OR ADAPTATION BY PENNONI ASSO SPECIFIC PURPOSE INTENDED WILL SOLE RISK AND WITHOUT LIABIL EXPOSURE TO PENNONI ASSOCIAT SHALL INDEMNIFY AND HOLD HARI ASSOCIATES FROM ALL CLAIMS, DAM, EXPENSES ARISING OUT OF OR RESU

![](_page_10_Figure_0.jpeg)

![](_page_10_Figure_6.jpeg)

### NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION

2. FILTER FABRIC: CONTRACTOR SHALL PREVENT MIGRATION OF NATIVE FINES INTO BEDDING AND BACKFILL MATERIAL. CONTAMINATED BEDDING AND BACKFILL SHALL BE REPLACED AT NO ADDITIONAL COST TO OWNER.

3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.

4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-1500mm)

5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

6. ALL UNDERDRAIN PIPE TO BE 6" PERFORATED ADS N12 OR APPROVED EQUAL

![](_page_10_Figure_14.jpeg)

![](_page_10_Figure_15.jpeg)

LOAD BEARING CONCRETE COLLAR SHALL BE CONSTRUCTED IN TRAFFIC AREAS SUCH THAT THE LIVE LOAD IS TRANSMITTED TO THE SURROUNDING SOIL AND NOT DIRECTLY TO THE RISER

## DETENTION SYSTEM RISER DETAIL N.T.S

![](_page_10_Figure_18.jpeg)

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Pennon

![](_page_10_Picture_20.jpeg)

![](_page_10_Figure_21.jpeg)

![](_page_11_Figure_0.jpeg)

SPECIFICATIONS NOTE: THE SILTSACK WILL BE MANUFACTURES FROM A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS.

## 

EGULAR FLOW SILTSACK		
AREAS OF LOW TO MODERATE P	RECIPITATION AND RUN-(	OFF)
ROPERTIES	TEST METHOD	UNITS
RAB TENSILE STRENGTH	ASTM D-4632	300 LBS
RAB TENSILE ELONGATION	ASTM D-4632	20%
UNCTURE	ASTM D-4833	120 LBS
IULLEN BURST	ASTM D-3786	800 PSI
RAPEZOID TEAR	ASTM D-4533	120 LBS
V RESISTANCE	ASTM D-4355	60%
PPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
LOW RATE	ASTM D-4491	40 GAL/MIN/SQ F
ERMITTIVITY	ASTM D-4491	0.55 SEC -1
I-FLOW SITLSACK		
FOR AREAS OF MODERATE TO HI	EAVY PRECIPITATION ANI	D RUN-OFF)
ROPERTIES	TEST METHOD	UNITS
RAB TENSILE STRENGTH	ASTM D-4632	265 LBS
RAB TENSILE ELONAGTION	ASTM D-4632	20%
UNCTURE	ASTM D-4833	135 LBS
IULLEN BURST	ASTM D-3786	420 PSI
RAPEZOID TEAR	ASTM D-4533	45 LBS

OIL-ABSORBANT SILTSACK (FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPILLS)

quipment. The reproduction, display, sale or other disposition of this document withou

e express written consent of the National Railroad Passenger Corporation,

Office of Engineering, is prohibited.

DEPENDING ON YOUR PARTICULAR APPLICATION, THE SILKSACK CAN BE MADE FROM EITHER ONE OF THE ABOVE FABRICS WTH AN OIL-ABSORBANT PILLOW INSERT OR, MADE COMPLETELY FROM AN OIL-ABSORBANT SILTSACK WITH A WOVEN PILLOW INSERT

ASTM D-4355

ASTM D-4751

ASTM D-4491

ASTM D-4491

90%

20 US SIEVE

1.50 SEC -1

200 GAL/MIN/SQ FT

## INLET PROTECTION DETAIL N.T.S.

UV RESISTANCE

FLOW RATE

PERMITTIVITY

APPARENT OPENING SIZE

2 EACH -

WASHERS)

BAG DETAIL

DUMP STRAP

DUMP STRAPS

EXPANSION RESTRAINT -

(<sup>1</sup>/<sub>4</sub>" NYLON ROPE, 2" FLAT

INSTALLATION DETAIL

DUMP STRAP

OVAL FROM INLET

1" REBAR FOR BAG -

## **TEMPORARY STOCKPILE AREA**

![](_page_11_Figure_8.jpeg)

National Railroad Passenger Corporation 30th Street Station, Philadelphia, Pennsylvania 19104

![](_page_11_Figure_11.jpeg)

![](_page_11_Figure_12.jpeg)

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![](_page_11_Figure_14.jpeg)

# ABBREVIATION LIST

ACT	ACOUSTIC CEILING TILE
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
AMT	AMTRAK
APPRUX	
ARCH	ARCHITECT(URAL)
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIAL
AUTO	AUTOMATIC
BD	BOARD
BL	BUILDING LINE
BLDG	BUILDING
BLKG	BLOCKING
ROC	
BOW	BOTTOM OF WALL
BSMT	BASEMENT
BYND	BEYOND
CAB	
CB	
CF	CUBIC FEET
СН	COAT HOOK
CHNL	CHANNEL
CIP	
CJ	CONTROL JOINT
CL	CENTER LINE
CL	
CLG	
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
СО	CLEAN OUT. CASED OPENING
COL	
COMPR	COMPRESSIBLE
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
СРТ	CARPET
CPU	CENTRAL PROCESSING UNIT
IDRIDRIDR	CENTER
IDRIDRIDRIDR	COURTYARD
U.U.	
DB. / DISP. BD.	DISPLAY BOARD
DB.S.	DISPLAY BOARD SURFACE
DBL	DOUBLE
UEP.	
DEPT.	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIAG	DIAGONAL
DIM	DIMEMSION
DISP	DISPENSER
	DIVIDE, DIVISION
DIV	
DIV DN	DOWN
DIV DIV DN DR	DOWN DOOR
DIV DN DR	DOWN DOOR DRAMINIC
DIV DN DR DWG	DOWN DOOR DRAWING

Abbreviation	Description	Abbreviation	Description	Abbreviation	Description	
EA	EACH	NIC	NOT IN CONTRACT			
F.I	EXPANSION JOINT	NO	NUMBER	VCT	VINYL COMPOSITION THE	
El		NOM	NOMBER			
		NIS	NOT TO SCALE			
EP						
EPDM	ETHYLENE PROPYLENE DIENE M-CLASS (ROOFING)	OD		VOC	VOLATILE ORGANIC COMPOUND	
EQ	EQUAL	OH	OPPOSITE HAND / OVERHEAD	VP	VISION PANEL	
EQUIP	EQUIPMENT	OPP	OPPOSITE			
ESCAL	ESCALATOR	OZ	OUNCE	W	WIDE	
EX	EXHAUST			W/	WITH	
EXH	EXPANSION, EXPOSED	Р	PAINT	WAINS.	WIAINSCOT	
EXP	EXISTING	PCC	PRE-CAST CONCRETE	WARD	WARDROBE	
EXT	EXTERIOR	PLUMB	PLUMBING	WC	WATER CLOSET	
		PLYD	PLYWOOD	WD	WOOD	
FA	FIRE ALARM	PNT	PRESSURE TREATED / POINT OF TANGENT	WH	WEEPHOLE	
FD	FLOOR DRAIN	PSF	POUNDS PER SQUARE FOOT	WI	WROUGHT IRON	
FDTN	FOUNDATION	PT	PAINT/PAINTED	WM	WIRE MESH	
FF		PVC		WP	WATERPROOFING	
FEC					WEIGHT	
		OT				
			QUARRY TILE			
		<b>D</b>				
FIN		RAD	RADIATOR			
FIXT	FIXTURE	RB	RESILIENT BASE (VINYL OR RUBBER)			
FLOUR	FLUORESCENT	RCP	REFLECTED CEILING PLAN			
FLR	FLOOR, FLOORING	RD	ROOF DRAIN	JIANDARL	J STINDULS	
FM	FILLED METAL	REF	REFERENCE			
FO	FACE OF, FINISHED OPENING	REINF	REINFORCING			
FP	FIRE PROTECTION, FIREPROOF	REQ	REQUIRED	COLUMN GRIDLINE	(8)	FIRE ALARM - MANUAL PULL
FR	FRAME. FIRE	RET	RETAINING			
		RI	RESCUE INTERCOM		C	
GA	GAUGE	RM	ROOM		E	TIKE EXTINGUISHER
GALV	GALVANIZED	RO	ROUGH OPENING			
GB	GLAZED BLOCK	RP7	REDUCE PRESSURE ZONE		SEE DWG XX/A-XX	L
GC	GENERAL CONTRACTOR	RT			,	
GL	GLASS	RUB	RUBBER	BREAK LINE	/	CABINET
GR ELEV		RW/				
		1.00				VEHICULAR TRAFFIC DIRECTI
1(2N)						
GV		SAD				
GV GWB	GAS VALVE GYPSUM BOARD	SAD	SADDLE		$\wedge$	
GV GWB	GAS VALVE GYPSUM BOARD	SAD SAN	SADDLE SANITARY	DATUM DRAWING REVISION	$\mathbf{X}$	CEILING HEIGHT INDICATOR
GV GWB H	GAS VALVE GYPSUM BOARD HIGH	SAD SAN SECT	SADDLE SANITARY SECTION	DATUM DRAWING REVISION	$\mathbf{x}$	CEILING HEIGHT INDICATOR
GV GWB H H.	GAS VALVE GYPSUM BOARD HIGH HIGH	SAD SAN SECT SF	SADDLE SANITARY SECTION SQUARE FEET	DATUM DRAWING REVISION	$\mathbf{X}$	CEILING HEIGHT INDICATOR
GV GWB H H. H.P.	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH POINT	SAD SAN SECT SF SIM	SADDLE SANITARY SECTION SQUARE FEET SIMILAR	DATUM DRAWING REVISION EXISTING TO REMAIN		CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING
GV GWB H H. H.P. H.R.	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH POINT HAND RAIL	SAD SAN SECT SF SIM SPEC	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION	DATUM DRAWING REVISION EXISTING TO REMAIN	$\mathbf{x}$	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING
GV GWB H H. H.P. H.R. HC	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE	SAD SAN SECT SF SIM SPEC SPK	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER	DATUM DRAWING REVISION EXISTING TO REMAIN		CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT
GV GWB H H. H.P. H.P. H.R. HC HM	GAS VALVE         GYPSUM BOARD         HIGH         HIGH         HIGH POINT         HAND RAIL         HOLLOW CORE         HOLLOW METAL	SAD SAN SECT SF SIM SPEC SPK SS	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMO		CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT
GV GWB H H. H.P. H.R. HC HM HORIZ	GAS VALVE         GYPSUM BOARD         HIGH         HIGH         HIGH POINT         HAND RAIL         HOLLOW CORE         HOLLOW METAL         HORIZONTAL	SAD SAN SECT SF SIM SPEC SPK SS ST PL	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMO		CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT
GV GWB H H. H.P. H.P. H.R. HC HM HORIZ HT	GAS VALVE         GYPSUM BOARD         HIGH         HIGH         HIGH POINT         HAND RAIL         HOLLOW CORE         HORIZONTAL         HEIGHT	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMO		CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT
GV GWB H H. H.P. H.R. HC HM HORIZ HT HVAC	GAS VALVE         GYPSUM BOARD         HIGH         HIGH         HIGH         HIGH POINT         HAND RAIL         HOLLOW CORE         HOLLOW METAL         HORIZONTAL         HEIGHT         HEATING, VENTILATING, AND AIR CONDITIONING	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMO		CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS
GV GWB H H. H.P. H.P. H.R. HC HM HORIZ HT HVAC	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD DETAIL	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMO		CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS
GV GWB H H. H.P. H.P. H.R. HC HM HORIZ HT HVAC ILO	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STL	SADDLESANITARYSECTIONSQUARE FEETSIMILARSPECIFFICATIONSPRINKLERSTAINLESS STEELSTEEL PLATESOUND TRANSMISSION COEFFICIENTSTANDARDSTANDARD DETAILSTEEL	DATUM DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMO NEW WORK DOOR NUMBER	A	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER
GV GWB H H. H.P. H.R. HC HM HORIZ HT HVAC ILO INFO	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF IN LIEU OF	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD DET STL STO	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD DETAIL         STEEL         STARDARE	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMO NEW WORK DOOR NUMBER	A	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER
GV GWB H H. H.P. H.P. H.R. HC HM HORIZ HT HVAC ILO INFO INSUL	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF IN LIEU OF INFORMATION INSULATED	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STO STO STD STD	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STEEL         STEEL         STANDARD         STEEL         STEEL         STORAGE         STRUCTURAL	DATUM DRAWING REVISION DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMO NEW WORK DOOR NUMBER WINDOW NUMBER	$\int_{\mathbf{X}} \int_{\mathbf{X}} \int$	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER
GV GWB H H. H.P. H.R. HC HM HORIZ HT HVAC ILO INFO INSUL INT	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF IN LIEU OF INFORMATION INSULATED INTERIOR	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD DET STL STO STRUCT	SADDLESANITARYSECTIONSQUARE FEETSIMILARSPECIFFICATIONSPRINKLERSTAINLESS STEELSTEEL PLATESOUND TRANSMISSION COEFFICIENTSTANDARDSTANDARD DETAILSTEELSTEELSTORAGESTRUCTURAL	DATUM DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMO NEW WORK DOOR NUMBER WINDOW NUMBER	$\int_{\mathbf{X}} \int_{\mathbf{X}} \int$	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS
GV GWB H H. H.P. H.P. H.R. HC HM HORIZ HT HVAC ILO INFO INSUL INT IRGWB	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF IN LIEU OF INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STO STRUCT	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STEEL         STEEL         STEEL         STANDARD         STEEL         STORAGE         STRUCTURAL	DATUM DRAWING REVISION DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMO NEW WORK DOOR NUMBER UOUVER NUMBER	$\int_{\mathbf{X}} \int_{\mathbf{X}} \int$	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P
GV GWB H H. H.P. H.R. HC HM HORIZ HT HVAC ILO INFO INSUL INT IRGWB	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STO STRUCT T&G T/D	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STEEL         STEEL         STANDARD         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMO NEW WORK DOOR NUMBER WINDOW NUMBER LOUVER NUMBER	$\int_{\mathbf{x}} \int_{\mathbf{x}} \int$	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P
GV GWB H H. H.P. H.P. H.R. HC HM HORIZ HT HVAC ILO INFO INSUL INT IRGWB JT	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF INFORMATION INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STD STD DET T&G TAG T/D TBD	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD DETAIL         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED	DATUM DRAWING REVISION DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMO NEW WORK DOOR NUMBER UOUVER NUMBER LOUVER NUMBER	$\int_{\mathbf{X}} \qquad $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P
GV GWB H H. H.P. H.R. HC HM HORIZ HT HVAC ILO INFO INFO INSUL INT IRGWB JT	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF INFORMATION INSULATED INTERIOR INTERIOR JOINT	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STD STD STD STD DET STL STO STRUCT T&G T/D TBD TEI	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TEI EPHONE	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER WINDOW NUMBER LOUVER NUMBER FINISH SYMBOL	i = 1	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P
GV GWB H H. H.P. H.R. HC HM HORIZ HT HVAC ILO INFO INFO INSUL INT IRGWB JT	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB JOINT	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STD STD DET STL STD STD DET TBD TBD TEL THK	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER WINDOW NUMBER LOUVER NUMBER FINISH SYMBOL	$\int \mathbf{x} \qquad \qquad$	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRI
GV GWB H H. H. H. H. H. H. H. H. H.	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB JOINT LAVATORY LAVATORY	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STD STD DET STL STO STRUCT T&G T/D TBD TEL THK TI T	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER UOOR NUMBER UOUVER NUMBER FINISH SYMBOL WALL PARTITION TYP	$\mathbf{A} \qquad \qquad$	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRI
GV GWB H H. H.P. H.R. HC HM HORIZ HT HVAC ILO INFO INFO INSUL INT IRGWB JT LAV LCD LED	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF INFORMATION INSULATED INTERIOR INTERIOR IMPACT RESISTANT GYPSUM WALLB JOINT LAVATORY LIQUID CRYSTAL DISPLAY LIQUID CRYSTAL DISPLAY	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STD STD DET STL STD STRUCT T&G T/D TBD TEL THK TLT	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD         STEEL         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS         TOILET         TOR OF	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER UOOR NUMBER LOUVER NUMBER FINISH SYMBOL WALL PARTITION TYP	$ \begin{array}{c}                                     $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRI
GV GWB H H. H. H. H. H. H. H. H. H.	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB JOINT LAVATORY LIQUID CRYSTAL DISPLAY LIGHT EMITTING DIODE LOW POINT	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STD STD DET STL STD STD DET T D T D T D T D T B D T E L T H K T L T C S T C S T C S T C S T D S T C S T D S T C S T D S T C S C S	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD DETAIL         STEEL         STEEL         STANDARD DETAIL         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS         TOILET         TOP OF         TOR OF CONCRETE	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER DOOR NUMBER UOUVER NUMBER LOUVER NUMBER FINISH SYMBOL WALL PARTITION TYP KEYNOTE	$ \begin{array}{c}                                     $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI
GV GWB H H. H. H. H. H. H. H. H. H.	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF INFORMATION INSULATED INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB JOINT LAVATORY LIQUID CRYSTAL DISPLAY LIQUID CRYSTAL DISPLAY LIGHT EMITTING DIODE LOW POINT	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STD STD DET STL STD STRUCT T&G T/D TBD TEL THK TLT TO TOC	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD         STANDARD         STEEL         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS         TOILET         TOP OF         TOP OF CONCRETE         TOD OF DI ATEOPM	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMO NEW WORK DOOR NUMBER DOOR NUMBER UOUVER NUMBER LOUVER NUMBER FINISH SYMBOL WALL PARTITION TYP KEYNOTE	$ \begin{array}{c}                                     $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRII CEILING-MOUNTED FIRE SPRII
GV GWB H H. H.P. H.R. HC HM HORIZ HT HVAC ILO INFO INFO INSUL INT IRGWB JT LAV LCD LED LP LT	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF IN LIEU OF INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB JOINT LAVATORY LIQUID CRYSTAL DISPLAY LIGHT EMITTING DIODE LOW POINT LIGHT	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STD STD DET STL STO STRUCT T&G T/D TBD TEL THK TLT TO TOC TOP	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD         STANDARD         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS         TOILET         TOP OF         TOP OF CONCRETE         TOP OF PLATFORM	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER DOOR NUMBER UOUVER NUMBER LOUVER NUMBER FINISH SYMBOL WALL PARTITION TYP KEYNOTE ACCESSORY	$ \begin{array}{c}                                     $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI WALL-MOUNTED EXIT LIGHT
GV GWB H H. H. H. H. H. H. H. HC HM HORIZ HT HVAC ILO INFO INFO INSUL INFO INSUL INT IRGWB JT LAV LCD LED LP LT	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF INFORMATION INSULATED INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB JOINT LAVATORY LIQUID CRYSTAL DISPLAY LIGHT EMITTING DIODE LOW POINT LIGHT	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STD STD DET STL STD STRUCT T&G T/D TBD TEL THK TLT TO TOC TOP TOR	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD         STANDARD         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS         TOILET         TOP OF         TOP OF PLATFORM         TOP OF RAIL	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER DOOR NUMBER UOUVER NUMBER LOUVER NUMBER FINISH SYMBOL WALL PARTITION TYP KEYNOTE ACCESSORY	$ \begin{array}{c}                                     $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED SPEAKER WALL-MOUNTED EXIT LIGHT FINISH DESIGNATION
GV GWB H H. H.P. H.R. HC HM HORIZ HT HVAC ILO INFO INFO INSUL INT IRGWB JT LAV LCD LED LP LT MAT MAT	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF IN LIEU OF INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB JOINT LAVATORY LIQUID CRYSTAL DISPLAY LIQUID CRYSTAL DISPLAY LIGHT EMITTING DIODE LOW POINT LIGHT	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STD STD DET STL STO STRUCT T&G T/D TBD TEL THK TLT TO TOC TOC TOR TOS	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS         TOILET         TOP OF         TOP OF RAIL         TOP OF RAIL	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER DOOR NUMBER UOUVER NUMBER LOUVER NUMBER FINISH SYMBOL WALL PARTITION TYP KEYNOTE ACCESSORY ROOM TAG	$ \begin{array}{c}                                     $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED SPEAKER WALL-MOUNTED EXIT LIGHT CEILING-MOUNTED EXIT LIGHT
GV GWB H H. H. H. H. H. H. H. HC HM HORIZ HT HVAC ILO INFO INFO INSUL INT IRGWB JT LAV LCD LED LP LT MAT MAX	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF IN LIEU OF INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB JOINT LAVATORY LIQUID CRYSTAL DISPLAY LIQUID CRYSTAL DISPLAY LIGHT EMITTING DIODE LOW POINT LIGHT MATERIAL MAXIMUM	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STD STD DET STL STO STRUCT T&G T/D TBD TEL THK TLT TO TOC TOP TOR TOS TOSB	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD         STEEL         STEEL         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS         TOILET         TOP OF         TOP OF CONCRETE         TOP OF RAIL         TOP OF STEEL         TOP OF STEEL	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER DOOR NUMBER WINDOW NUMBER UUVER NUMBER FINISH SYMBOL WALL PARTITION TYP KEYNOTE ACCESSORY ROOM TAG	$ \begin{array}{c}                                     $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED EXIT LIGHT FINISH DESIGNATION SEE FINISH SCHEDULE
GV GWB H H. H. H. H. H. H. HC HM HORIZ HT HVAC ILO INFO INFO INSUL INFO INSUL INT IRGWB JT LAV LCD LED LP LT MAT MAX MECH	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF IN LIEU OF IN LIEU OF INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB JOINT LAVATORY LIQUID CRYSTAL DISPLAY LIQUID CRYSTAL DISPLAY LIGHT EMITTING DIODE LOW POINT LIGHT MATERIAL MAXIMUM MECHANICAL	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STD STD DET STL STO STRUCT T&G T/D TBD TEL THK TLT TO TOC TOC TOR TOS TOSB TYP	SADDLESANITARYSECTIONSQUARE FEETSIMILARSPECIFFICATIONSPRINKLERSTAINLESS STEELSTEEL PLATESOUND TRANSMISSION COEFFICIENTSTANDARDSTANDARD DETAILSTEELSTEELSTORAGESTRUCTURALTONGUE AND GROOVETELEPHONE/DATATO BE DETERMINEDTELEPHONETHICKNESSTOILETTOP OFTOP OF CONCRETETOP OF RAILTOP OF STEELTOP OF STEELTOP OF SLABTYPICAL	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER DOOR NUMBER WINDOW NUMBER LOUVER NUMBER FINISH SYMBOL KEYNOTE KEYNOTE ACCESSORY ROOM TAG	$ \begin{array}{c}                                     $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED EXIT LIGHT FINISH DESIGNATION SEE FINISH SCHEDULE ROOF DRAIN
GV         GWB         H         H.         H.P.         H.R.         HC         HM         HORIZ         HT         HVAC         ILO         INFO         INSUL         INT         IRGWB         JT         LAV         LCD         LP         LT         MAT         MAX         MECH         MEMBR	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF IN LIEU OF INFORMATION INSULATED INTERIOR INTERIOR JOINT LAVATORY LIQUID CRYSTAL DISPLAY LIQUID CRYSTAL DISPLAY LIGHT EMITTING DIODE LOW POINT LIGHT MATERIAL MAXIMUM MECHANICAL MEMBRANE	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STO STRUCT T&G T/D TBD TEL THK TLT TO TOC TOC TOP TOR TOS TOSB TYP	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD         STANDARD DETAIL         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS         TOILET         TOP OF         TOP OF CONCRETE         TOP OF STEEL         TOP OF SLAB         TYPICAL	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER UOOR NUMBER UOUVER NUMBER LOUVER NUMBER FINISH SYMBOL WALL PARTITION TYP KEYNOTE ACCESSORY ROOM TAG	$ \begin{array}{c}                                     $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED SPEAKER WALL-MOUNTED EXIT LIGHT CEILING-MOUNTED EXIT LIGHT FINISH DESIGNATION SEE FINISH SCHEDULE ROOF DRAIN VENT STACK
GV         GWB         H         H.         H.P.         H.R.         HC         HM         HORIZ         HT         HVAC         ILO         INFO         INSUL         INT         IRGWB         JT         LAV         LCD         LED         LP         LT         MAT         MAX         MECH         MFR	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF IN FORMATION INSULATED INTERIOR INTERIOR IMPACT RESISTANT GYPSUM WALLB UIQUID CRYSTAL DISPLAY LIQUID CRYSTAL DISPLAY LIQUID CRYSTAL DISPLAY LIGHT EMITTING DIODE LOW POINT LIGHT MATERIAL MAXIMUM MECHANICAL MEMBRANE MANUFACTURER	SAD         SAN         SECT         SF         SIM         SPEC         SPK         SS         ST PL         STC         STD         STD         STD DET         STL         STO         STRUCT         T&G         T/D         TBD         TEL         THK         TLT         TO         TOC         TOR         TOS         TYP         U/S	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD         STANDARD DETAIL         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS         TOILET         TOP OF CONCRETE         TOP OF PLATFORM         TOP OF SLAB         TYPICAL	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER DOOR NUMBER WINDOW NUMBER UUVER NUMBER FINISH SYMBOL WALL PARTITION TYP KEYNOTE ACCESSORY ROOM TAG ELECTRICAL PANEL	$ \begin{array}{c}                                     $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED SPEAKER WALL-MOUNTED EXIT LIGHT CEILING-MOUNTED EXIT LIGHT ROOF DRAIN VENT STACK
GV         GWB         H         H.         H.R.         HC         HM         HORIZ         HT         HVAC         ILO         INFO         INSUL         INT         IRGWB         JT         LAV         LCD         LED         LP         LT         MAT         MAX         MECH         MFR         MIN	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF IN LIEU OF INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB UIQUID CRYSTAL DISPLAY LIQUID CRYSTAL DISPLAY LIQUID CRYSTAL DISPLAY LIGHT EMITTING DIODE LOW POINT LIGHT MATERIAL MAXIMUM MECHANICAL MANUFACTURER MANUFACTURER MANUFACTURER MANUFACTURER	SAD         SAN         SECT         SF         SIM         SPEC         SPK         SS         ST PL         STC         STD         TL         TBD         TEL         THK         TLT         TO         TOC         TOP         TOS         TOSB         TYP         U/S         UL	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD         STEEL         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS         TOILET         TOP OF         TOP OF CONCRETE         TOP OF RAIL         TOP OF STEEL         TOP OF STEEL         TOP OF STEEL         TOP OF STEEL         UNDERSIDE         UNDERSIDE         UNDERWRITERS LABORATORIES	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER UOOR NUMBER WINDOW NUMBER LOUVER NUMBER FINISH SYMBOL WALL PARTITION TYP KEYNOTE KEYNOTE ACCESSORY ROOM TAG ELECTRICAL PANEL SIGNAGE TYPE	$ \begin{array}{c}                                     $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED EXIT LIGHT CEILING-MOUNTED EXIT LIGHT SEE FINISH SCHEDULE ROOF DRAIN VENT STACK EXPANSION JOINT
GV         GWB         H         H.         H.P.         H.R.         HC         HM         HORIZ         HT         HVAC         ILO         INFO         INSUL         INT         IRGWB         JT         LAV         LCD         LED         LP         LT         MAT         MAX         MECH         MER         MFR         MIN         MO	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF IN LIEU OF INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB UQUID CRYSTAL DISPLAY LIQUID CRYSTAL DISPLAY LIQUID CRYSTAL DISPLAY LIGHT EMITTING DIODE LOW POINT LIGHT MATERIAL MAXIMUM MECHANICAL MEMBRANE MANUFACTURER MINIMUM MASONRY OPENING	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STC STRUCT T&G T/D TBD TEL TK TL TEL THK TLT TO TOC TOC TOP TOR TOS TOSB TYP U/S UL UNO	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD DETAIL         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS         TOILET         TOP OF         TOP OF CONCRETE         TOP OF STEEL         TOP OF STEEL         TOP OF STEEL         TOP OF STEEL         UNDERSIDE         UNDERSIDE         UNDERWRITERS LABORATORIES         UNDERSIDE         UNDERSIDE	DATUM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER DOOR NUMBER UOUVER NUMBER LOUVER NUMBER FINISH SYMBOL WALL PARTITION TYP KEYNOTE ACCESSORY ROOM TAG ELECTRICAL PANEL SIGNAGE TYPE	$ \begin{array}{c}                                     $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED SPEAKER WALL-MOUNTED EXIT LIGHT CEILING-MOUNTED EXIT LIGHT FINISH DESIGNATION SEE FINISH SCHEDULE ROOF DRAIN VENT STACK EXPANSION JOINT
GV         GWB         H         H.         H.P.         H.R.         HC         HM         HORIZ         HT         HVAC         ILO         INFO         INSUL         INT         IRGWB         JT         LAV         LCD         LED         LP         LT         MAT         MAX         MECH         MIN         MO         MPH	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF INFORMATION INSULATED INTERIOR INTERIOR IMPACT RESISTANT GYPSUM WALLB JOINT LAVATORY LIQUID CRYSTAL DISPLAY LIGHT EMITTING DIODE LOW POINT LIGHT MATERIAL MAXIMUM MECHANICAL MEMBRANE MANUFACTURER MINIMUM MASONRY OPENING MILES PER HOUR	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STO STRUCT T&G T/D TBD TEL THK TLT TO TOC TOC TOP TOR TOS TOSB TYP U/S UL UNO	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD DETAIL         STEEL         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS         TOILET         TOP OF         TOP OF CONCRETE         TOP OF PLATFORM         TOP OF SLAB         TYPICAL	DATOM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER DOOR NUMBER UOUVER NUMBER LOUVER NUMBER FINISH SYMBOL VALL PARTITION TYP KEYNOTE ACCESSORY ROOM TAG ELECTRICAL PANEL SIGNAGE TYPE FLOOR DRAIN	$ \begin{array}{c}                                     $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED EXIT LIGHT CEILING-MOUNTED EXIT LIGHT FINISH DESIGNATION SEE FINISH SCHEDULE ROOF DRAIN VENT STACK EXPANSION JOINT CONTROL JOINT
GV         GWB         H         H.         H.R.         HC         HM         HORIZ         HT         HVAC         ILO         INFO         INSUL         INT         IRGWB         JT         LAV         LCD         LED         LP         LT         MAT         MAX         MECH         MEMBR         MFR         MIN         MO         MPH         MRGWB	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH OINT HAND RAIL HOLLOW CORE HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB JOINT LIQUID CRYSTAL DISPLAY LIQUID CRYSTAL DISPLAY LIGHT EMITTING DIODE LOW POINT LIGHT MATERIAL MAXIMUM MECHANICAL MEMBRANE MANUFACTURER MINIMUM MASONRY OPENING MILES PER HOUR MOISTURE-RESISTANT GYPSUM WALL	SAD SAN SECT SF SIM SPEC SPK SS ST PL STC STD STD DET STD STD DET STL STO STRUCT T&G T/D TBD TEL THK TLT TO TOC TOC TOP TOR TOS TOSB TYP U/S UL UNO	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD         STANDARD DETAIL         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS         TOILET         TOP OF         TOP OF CONCRETE         TOP OF PLATFORM         TOP OF STEEL         TOP OF SLAB         TYPICAL	DATOM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER UOOR NUMBER UOUVER NUMBER IOUVER NUMBER FINISH SYMBOL WALL PARTITION TYP KEYNOTE ACCESSORY ROOM TAG ELECTRICAL PANEL SIGNAGE TYPE FLOOR DRAIN	$ \begin{array}{c}                                     $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRII CEILING-MOUNTED FIRE SPRII CEILING-MOUNTED EXIT LIGHT CEILING-MOUNTED EXIT LIGHT SEE FINISH DESIGNATION SEE FINISH SCHEDULE ROOF DRAIN VENT STACK EXPANSION JOINT CONTROL JOINT SCUPPER
GV         GWB         H         H.         H.P.         H.R.         HC         HM         HORIZ         HT         HVAC         ILO         INFO         INSUL         INT         IRGWB         JT         LAV         LCD         LED         LP         LT         MAT         MAX         MECH         MEMBR         MFR         MIN         MO         MPH         MRGWB         MTD	GAS VALVE GYPSUM BOARD HIGH HIGH HIGH HIGH HIGH POINT HAND RAIL HOLLOW CORE HOLLOW METAL HOLLOW METAL HORIZONTAL HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING IN LIEU OF IN LIEU OF INFORMATION INSULATED INFORMATION INSULATED INTERIOR IMPACT RESISTANT GYPSUM WALLB LAVATORY LIQUID CRYSTAL DISPLAY LIQUID CRYSTAL DISPLAY LIGHT EMITTING DIODE LOW POINT LIGHT MATERIAL MAXIMUM MECHANICAL MEMBRANE MANUFACTURER MINIMUM MASONRY OPENING MILES PER HOUR MOISTURE-RESISTANT GYPSUM WALL MOUNTED	SAD         SAN         SECT         SF         SIM         SPEC         SPK         SS         ST PL         STC         STD         STD         STD DET         STL         STO         STRUCT         T&G         T/D         TBD         TEL         THK         TLT         TO         TOC         TOR         TOS         TYP         U/S         UL         UNO	SADDLE         SANITARY         SECTION         SQUARE FEET         SIMILAR         SPECIFFICATION         SPRINKLER         STAINLESS STEEL         STEEL PLATE         SOUND TRANSMISSION COEFFICIENT         STANDARD         STANDARD         STANDARD DETAIL         STEEL         STORAGE         STRUCTURAL         TONGUE AND GROOVE         TELEPHONE/DATA         TO BE DETERMINED         TELEPHONE         THICKNESS         TOILET         TOP OF         TOP OF CONCRETE         TOP OF FAIL         TOP OF STEEL         TOP OF SLAB         TYPICAL	DATOM DRAWING REVISION EXISTING TO REMAIN EXISTING TO BE DEMA NEW WORK DOOR NUMBER DOOR NUMBER UOUVER NUMBER LOUVER NUMBER FINISH SYMBOL WALL PARTITION TYP KEYNOTE ACCESSORY ROOM TAG ELECTRICAL PANEL SIGNAGE TYPE FLOOR DRAIN	$ \begin{array}{c}                                     $	CEILING HEIGHT INDICATOR CEILING MOUNTED LIGHTING DOWNLIGHT WALL-MOUNTED LIGHT HVAC DIFFUSERS LINEAR DIFFUSER HVAC RETURNS CEILING-MOUNTED ACCESS P CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED FIRE SPRI CEILING-MOUNTED EXIT LIGHT FINISH DESIGNATION SEE FINISH SCHEDULE ROOF DRAIN VENT STACK EXPANSION JOINT CONTROL JOINT SCUPPER

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				This material is owned by and is the sole and exclusive property of the National Railroad Passenger Corporation (Amtrak) Office of Engineering, and is supplied on a confidential				SPECIFIC SOLE	C PURPOSE INTENDED W
				basis solely for use in connection with the design and construction of Amtrak facilities and	National Railroad Passenger Corporation			PENNONI ASSOCIATES INC. EXPOSU 1900 Market Street, Suite 300 SHALL	IRE TO PENNONI ASSOCI
				equipment. The reproduction, display, sale or other disposition of this document without the express written consent of the National Railroad Passenger Corporation,	30th Street Station, Philadelphia, Pennsylvania 19104			Philadelphia, PA 19103 ASSOCIATE T 215.222.3000 F 215.222.3588 EXPOSIC	ES FROM ALL CLAIMS, DA
				Office of Engineering, is prohibited.				SLAM Collaborative 1880 JFK Blvd Phila, PA 19103	ARISING OUT OF OR RES

# MATERIALS

![](_page_12_Figure_10.jpeg)

![](_page_12_Figure_11.jpeg)

![](_page_13_Figure_0.jpeg)

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d Passenger Corporation iladelphia, Pennsylvania 19104				OR ADAPTATION BY PENNONI ASSOCIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE PISK AND WITHOUT LABILITY OF LEGAL		PR	OGRAI	M (ADAPP)		F		· · · ·
			PENNONI ASSOCIATES INC. 1900 Market Street, Suite 300 Philadelphia P4 19103	SOLE RISK AND WITHOUT LIABILITT OR LEGAL EXPOSURE TO PENNONI ASSOCIATES; AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS PENNONI	ARCHITECTURAL DEMOLITION & PHASE 1 PLAN							_111
			T 215.222.3000 F 215.222.3588 SLAM Collaborative 1880 JFK Blvd Phila, PA 19103	ASSOCIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.	Designed: WN	Drawn: W	VG	Checked: JC	Date: 2021-02-22			

![](_page_14_Figure_2.jpeg)

DOOR SCHEDULE								
ROOM	DOOR SIZE / TYPE	FRAME TYPE / SIZE	HARDWARE	COMMENTS				
RESTROOM 3 - #1	EX. WD/ 36"x84"x1 <sup>3</sup> / <sub>4</sub> "	EX. HM/ 36"x84"x2"	SET #2	PATCH PREVIOUS MOUNTING HOLES				
RESTROOM 4 - #2	EX. WD/ 36"x84"x1 <sup>3</sup> / <sub>4</sub> "	EX. HM/ 36"x84"x2"	SET #2	PATCH PREVIOUS MOUNTING HOLES				
TEMP. TICKET OFFICE 2a	NEW WD / 36"x84"x1 <sup>3</sup> / <sub>4</sub> "	NEW HM / 36"x84"x2"	SET #1	PAINT TO MATCH EXISTING				
TEMP. TICKET OFFICE 2a	NEW WD / 36"x84"x1 <sup>3</sup> "	NEW HM / 36"x84"x2"	SET #1	PAINT TO MATCH EXISTING				

![](_page_15_Figure_0.jpeg)

hief Engineer	Approved	Date		Pennoni	ALL DOCUMENTS PREPARED BY PEN ARE INSTRUMENTS OF SERVICE IN I PROJECT. THEY ARE NOT INTENDED TO BE SUITABLE FOR REUSE BY OWN THE EXTENSIONS OF THE PROJECT O PROJECT. ANY REUSE WITHOUT WRIT
d Passenger Corporation iladelphia, Pennsylvania 19104			SL.	PENNONI ASSOCIATES INC. 1900 Market Street, Suite 300 Philadelphia, PA 19103 T 215.222.3000 F 215.222.3588 AM Collaborative 1880 JFK Bivd Phila, PA 19103	OR ADAPTATION BY PENNONI ASSO SPECIFIC PURPOSE INTENDED WILL SOLE RISK AND WITHOUT LIABIL EXPOSURE TO PENNONI ASSOCIAT SHALL INDEMNIFY AND HOLD HARM ASSOCIATES FROM ALL CLAIMS, DAMA EXPENSES ARISING OUT OF OR RESUL

	SHEETNOTES - DEMOLITION WORK	
Key Note Number	DESCRIPTION	
D01	REMOVE WALL MOUNTED ITEM TO BE RELOCATED AND INSTALLED	
D02	RELOCATE EXISTING DESK AND OFFICE EQUIPMENT AT START OF	
D03	PHASE 2. (NIC) DEMOLITION EXISTING TICKET COUNTER & REMOVE EXISTING CMU	
D04	REQUIRED TO INSTALL NEW TICKET COUNTER CABINETRY. PROVIDE PROTECTIVE SHEATHING OVER EXISTING VINYL COMPOSITE TILE FLOORING THROUGHOUT TICKET OFFICE #2 FOR DURATION OF	
D05	CONSTRUCTION. EXISTING AMTRAK NETWORK RACK/EQUIP TO REMAIN. PHASE 2 - DEMO EXISTING POWER AND DATA TO EXISTING TICKET STATIONS WHILE MAINTAINING TEMPORARY PHASE 1 TICKET EQUIPMENT.	
D06	REMOVE AND RELOCATE BAGGAGE TICKET RACK TO TEMPORARY	
D07	EXISTING BOLLARD WITH AUTO-DOOR PUSH PAD, REMOVE BOLLARD &	
D08	SALVAGE OPERATOR PAD FROM FOR REINSTALLATION. REMOVE EXISTING SITE SIGNAGE, SEE SHEET A-750 FOR ADDITIONAL INFORMATION.	
D09	REMOVE AND SALAVAGE EXISTING CANOPY "CHEVRON" SHAPE COLUMNS FOR REINSTALLATION. SEE STRUCTURAL SHEETS FOR ADDITIONAL INFORMATION.	
D10	REMOVE STRIP OF EXISTING FLOORING & PREP EXISTING NON COMPLIANT THRESHOLD.	
	SHEETNOTES - TEMPORARY PHASE WORK	
	DESCRIPTION	
A01	CONSTRUCT SELF-SUPPORTING PARTITIONS FOR TEMPORARY WALLS, PROVIDE 1/4" MIN. GAP TO ADJACENT EXISTING SURFACES (WALL/CEILING) - DO NOT DAMAGE EXISTING WALL MURALS.	
A02	SEE DOOR SCHEDULE, SHEET A-111 RECONFIGURE BOULARD HEIGHT TO REQUIRED 32" MAX, AFE, INSTALL	
700	OPERATOR PAD & PROVIDE SIGN STICKER (STRIPING) GRAPHIC TO EXISTING BOLLARD TO IDENTIFY DOOR DEVISE ON APPROACH.	
A04	PREPARE EXISTING THRESHOLD FOR NEW REDUCER STRIP, PROVIDE 1/2" TRANSITION BETWEEN EXISTING FLOORING MATERIALS, SLOPE TO BE 2:1 MAX. , SEE DETAIL 2/A112	
A05	PROVIDE NEW OVERHEAD CLOSER, REQUIRED TO MOVE THE DOOR FROM A 90 DEGREES POSITION TO A POSITION OF 12 DEGREES FROM THE LATCH IN 5 SECONDS MIN. AND WITH A PUSH/PULL FORCE OF 5 POUNDS (22.2 N) MAX.	
EGEND		
	MPLIANT PATH OF TRAVEL	
HATCHE SCOPE (	D AREAS DENOTES PORTIONS OF BUILDING NOT IN DF WORK- EMPLOYEE ONLY.	
NON-SH	ADED AREAS DENOTE EXISTING WALLS	
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	Approved	Date		ALL DOCUMENTS PREPARED BY PE ARE INSTRUMENTS OF SERVICE I
niet Endineer			Pennoni/	TO BE SUITABLE FOR REUSE BY OV
0				THE EXTENSIONS OF THE PROJEC PROJECT. ANY REUSE WITHOUT W
				OR ADAPTATION BY PENNONI AS SPECIFIC PURPOSE INTENDED W
d Passenger Corporation			PENNONI ASSOCIATES INC. 1900 Market Street, Suite 300 Philodolphia, BA 10103	SOLE RISK AND WITHOUT LIAI EXPOSURE TO PENNONI ASSOCI SHALL INDEMNIFY AND HOLD H/
iladelphia, Pennsylvania 19104			T 215.222.3000 F 215.222.3588 SLAM Collaborative 1880 JFK Bivd Phila, PA 19103	ASSOCIATES FROM ALL CLAIMS, DA EXPENSES ARISING OUT OF OR RES

## **SHEETNOTES - CONSTRUCTION WORK**

Key Note	
Number	DESCRIPTION
A01	REINSTALL BENCH SEATING TO ORIGINAL LOCATION ON COMPLETION OF PHASE 2.
A02	REINSTALL WALL MOUNTED ITEM TO BE CONSISTENT WITH ADA MOUNTING HEIGHTS.
A03	EXISTING AMTRAK NETWORK RACK/EQUIP TO REMAIN. PHASE 2 - INSTALL (2) DATA DROPS FOR (2) NEW TICKET STATION EACH, TO SUPPORT EXISTING EQUIPMENT.
A04	REMOVE PROTECTIVE FLOOR COVERING AT TICKET OFFICE 2
A05	PATCH SURFACES ON THE REMOVAL OF TEMPORARY WALLS, MATCH ADJACENT FINISH (FLOORING / WALLS / CEILING) - DO NOT DAMAGE EXISTING WALL MURALS.
A06	PROVIDE (2) NEW TICKET COUNTER STATIONS, REQUIRING WINDOW, COUNTERS, CABINETS, QUAD POWER, (2) DATA DROPS EACH.
A07	RELOCATE BAGGAGE TICKET RACK TO ORIGINAL LOCATION ON COMPLETION OF PHASE 2.
A08	TOP OF BOLLARD AT 32" MAX. AFF.
A09	INSTALL SITE SIGNAGE, SEE SHEET A-750 FOR ADDITIONAL INFORMATION.
A10	INSTALL PIPE RAILING AT PLATFORM, SEE SHEET A-110 FOR LOCATION SIZE AND TYPE.
A11	RELOCATE DESK & EQUIPMENT TO ORIGINAL LOCATION ON COMPLETION OF PHASE 2.
	SHEETNOTES - TEMPORARY PHASE WORK

## DESCRIPTION

D01	REMOVE TEMPORARY SELF-SUPPORTING PARTITIONS. - DO NOT DAMAGE EXISTING WALL MURALS.
D02	EXISTING AMTRAK NETWORK RACK/EQUIP TO REMAIN. REMOVE TEMPORARY PHASE 1 - DATA & POWER.
D03	SEE ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.

## **GENERAL NOTES**

ENSURE A SMOOTH AND EVEN SUBSURFACE FOR APPLICATION OF NEW FINISHES.

ACCESSIBLE

CLEARANCE

- PROVIDE ADEQUATE BLOCKING FOR COUNTERS, CABINETS 2.
- AND OTHER WALL MOUNTED ITEMS AS REQUIRED.

# LEGEND

- X WALL TYPE (SEE SHEET A-430)
- XXX DOOR TAG (SEE SHEET A-430)
- ADA COMPLIANT PATH OF TRAVEL
- HATCHED AREAS DENOTES PORTIONS OF BUILDING NOT IN SCOPE OF WORK- EMPLOYEE ONLY.
- NON-SHADED AREAS DENOTE EXISTING WALLS
- SHADED AREAS DENOTE NEW WALLS

# **KEY PLAN**

![](_page_16_Figure_18.jpeg)

### **100% ISSUE FOR BID** VA Project Code: PTB, VA PENNONI ASSOCIATES E IN RESPECT OF THE DED OR REPRESENTED OWNER OR OTHERS ON ECT OR ON ANY OTHER WRITTEN VERIFICATION VERDENTED SOD THE PETERSBURG (PTB) C.EN.100694.0669 WBS: ADA PLATFORM 37 OF 80 Sheet No. PROGRAM (ADAPP) ARCHITECTURAL PROPOSED FLOOR PLAN SSOCIATES FOR THE WILL BE AT OWNERS ABILITY OR LEGAL CIATES; AND OWNER A-113 ARMLESS PENNONI DAMAGES, LOSSES AND Checked: JC Date: 2021-02-22 Designed WN Drawn: WG SULTING THEREFROM.

![](_page_17_Figure_0.jpeg)

![](_page_18_Figure_0.jpeg)

![](_page_19_Figure_0.jpeg)

	Approved	Date		PREPARED B
Chief Engineer			PROJECT. THEY A TO BE SUITABLE F	RE NOT INTE
<u> </u>			THE EXTENSIONS PROJECT. ANY RE	OF THE PRO.
			OR ADAPTATION SPECIFIC PURC	BY PENNONI
bad Passenger Corporation			PENNONI ASSOCIATES INC. 1900 Market Street, Suite 300 SHALL INDEMNI Philadelphia PA 19103	VD WITHOUT PENNONI ASSO
filladelphia, Pennsylvania 19104			T 215.222.3000 F 215.222.3588 ASSOCIATES FROM SLAM Collaborative 1880 JFK Blvd Phila, PA 19103	ALL CLAIMS, OUT OF OR

![](_page_20_Figure_0.jpeg)

![](_page_21_Figure_0.jpeg)

	Approved	Date			ALL DOCUMENTS PREPARED BY PENNONI ASSOCIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE	DETEDORII				Project Code:	PTB, VA
chief Engineer				(Pennoni)	PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON				VA	WBS:	C.EN.100694.0669
C					THE EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OP ADAPTATION BY PENNONI ASSOCIATES FOR THE					Sheet No.	42 OF 80
		۱			SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL		PROGRA	<u>M (ADAPP)</u>			
d Passenger Corporation				PENNONI ASSOCIATES INC. 1900 Market Street, Suite 300 Philadelphia PA 10103	EXPOSURE TO PENNONI ASSOCIATES; AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS PENNONI		AL CASEWO	RK DEMOLITION	& ELEVATIONS		<u>Δ()()</u>
iladelphia, Pennsylvania 19104			SL	T 215.222.3000 F 215.222.3588 LAM Collaborative 1880 JFK Blvd Phila, PA 19103	ASSOCIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.	Designed: WN C	rawn: WG	Checked: JC	Date: 2021-02-22		

(A07)

 $\langle A01 \rangle$ 

(A05)

A13 (A15)

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![](_page_21_Figure_3.jpeg)

![](_page_22_Figure_0.jpeg)

A08	PROPOSED ELECTRICAL QUAD OUTLET, PHONE OUTLET, AND DATA OUTLET LOCATION. (REFER TO ELECTRICAL DRAWINGS)
A09	PROVIDE GROMMET HOLES AND WIRE MANAGEMENT SYSTEM AS REQUIRED FOR DATA, POWER, AND TELEPHONE WIRING.
A10	PROVIDE NEW LOCKABLE UNDER COUNTER DRAWER.
A11	NEW WALL BASE TO MATCH EXISTING ADJACENT WALL BASE.
A12	PROVIDE CUSTOM WOOD TRIM CASING PAINTED (PLAM PANELS) AT TICKET WINDOW OPENING.
A13	COMPUTER, KEY BOARD, PHONE AND PRINTER EQUIPMENT AT TICKET STATION, AMTRAK PROVIDED AND INSTALLED.
A14	EXISTING CMU WALL MODIFIED FOR LOWER COUNTER TOP.
A15	EXISTING MASONRY WALL STRUCTURE TO REMAIN.
A16	FACE OF NEW PLAM. MILLWORK BELOW COUNTER.
A17	SURFACE MOUNTED FOR TICKET COUNTER POWER AND DATA. SEE ELECTRICAL.
A18	NEW MILLWORK COUNTER RETURN TO EXISTING WALL, BOTH SIDES TYPICAL.
A19	PROVIDE NEW BULLETIN BOARD, SURFACE APPLIED W/ GLUE AND

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IGES, LOSSES AND TING THEREFROM.	Designed: WN	Drawn: WG	Checked: JC	Date: 2021-02-22			