STAIRWELL REPAIR PROJECT PLAZA APARTMENTS ASSOCIATION 123-127 LEXINGTON PARKWAY ST. PAUL, MINNESOTA 55105



	WALDMA CONSI	N ENGINE JLTANTS,	ERING INC		
	4300 COMMERCE CT., SUITE 260 LISLE, ILLINOIS 60532 TEL: 630-922-3000				
	FAX	(: 922-3003			
	WEB: ww	w.WaldmanEng	j.com		
	THE DESIGN SH INTENDED FOR 1 AND ANY USE EXPRESSLY FORE CONSENT OF V CHANGES MADE THAN THE ENGINEERING SH RELIEVE THE EH RESPONSIBILITY. THIS DRAWING S COMPLETED ST STRUCTURAL ENG RESPONSIBILITY OR TECHNIQUES IMPLEMENTATION FEDERAL SAFETY SAFETY OF WOR ABOUT THE JOBS THIS DRAWING IS ENGINEERING. IT THIS PROJECT. A OR INFORMA PERMISSION OF PROHIBITED	10WN ON THIS THE NAMED STRL FOR OTHER STRL SIDDEN WITHOUT WALDMAN ENGINE TO THIS DRAWIN ENGINEERS AT IALL VOID THE NGINEERS OF A COVERS THE DES RUCTURE ONLY, GINEERS DO NOT FOR ANY MEAN: OF ANY LOCAL REQUIREMENTS KMEN OR ANY OT SITE STHE PROPERTY IS FOR THE EXCLL ANY RE-USE OF TH TION WITHOUT WALDMAN ENG	DRAWING IS ICTURE ONLY XUCTURES IS THE WRITTEN EERING. ANY G BY OTHER WALDMAN DESIGN AND NY FURTHER DIGN OF THE AND THE ASSUME ANY S, METHODS ION OR FOR , STATE, OR CONCERNING HERS ON OR OF WALDMAN DISIVE USE OF HIS DRAWING WRITTEN GINEERING IS		
		10-11-18			
		11-16-18			
	NO. DESC	CRIPTION			
n. ect ed	STAIRWELL REPAIR PROJECT	SITE LOCATION PLAN	PLAZA APARTMENTS ASSOCIATION ST. PAUL, MINNESOTA		
	PROJECT #:	<u> 8C- 2 </u>	MN		
5	DRAWN BY:	BMB			
	APPROVED B	Y: LMS/MS			
	DATE:	SEPT. 7,	2018		
	SHEET NO:				

Mark Acarma MARK SODERLUND

GOODRICH AVENUE NORTH STAIRS \bigtriangledown 123 GARAGE WEST STAIRS 125 \triangleright 127 ALLEY SOUTH STAIRS



	NOTES.
GLINLKAL	NUILS:

- CONTRACTOR TO FIELD VERIFY ALL MEASUREMENTS AND MATERIAL QUANTITIES BEFORE CONTRACT IS PREPARED
- THESE DRAWINGS TO BE WORKED WITH PROJECT SPECIFICATIONS DATED SEPTEMBER 7, 2018 TOGETHER WITH ANY SUBMITTED ADDENDA & REVISIONS. •

ADDRESS

I 23 LEXINGTON PARKWAY

I 25 LEXINGTON PARKWAY

I 27 LEXINGTON PARKWAY

STAIR

NORTH

WEST

SOUTH

- ALL WORK TO COMPLY WITH CODES ADOPTED BY THE CITY OF ST. PAUL, MN. ALL WORK TO BE PERFORMED IN WORKMAN LIKE MANNER MEETING ALL APPLICABLE INDUSTRY
 - STANDARDS

_	(
	WALDMA CONS	AN UL	ENGINI TANTS	EERING , INC
	4300 COMMERCE CT., SUITE 260			
	LISLE, ILLINOIS 60532			
	IEL:	631 v. (0-922-30	00
	WEB: ww	vw.'	WaldmanEn	g.com
	THE DESIGN SHOWN ON THIS DRAWING IS INTENDED FOR THE NAMED STRUCTURE ONLY AND ANY USE FOR OTHER STRUCTURES IS EXPRESSLY FORBIDDEN WITHOUT THE WRITTEN CONSENT OF WALDMAN ENGINEERING. ANY CHANGES MADE TO THIS DRAWING BY OTHER THAN THE ENGINEERS AT WALDMAN ENGINEERING SHALL VOID THE DESIGN AND RELIEVE THE ENGINEERS OF ANY FURTHER RESPONSIBILITY. THIS DRAWING COVERS THE DESIGN OF THE COMPLETED STRUCTURE ONLY, AND THE STRUCTURAL ENGINEERS DO NOT ASSUME ANY RESPONSIBILITY FOR ANY MEANS, METHODS OR TECHNIQUES OF CONSTRUCTION OR FOR IMPLEMENTATION OF ANY LOCAL, STATE, OR FEDERAL SAFETY REQUIREMENTS CONCERNING SAFETY OF WORKMEN OR ANY OTHERS ON OR ABOUT THE JOBSITE THIS DRAWING IS THE PROPERTY OF WALDMAN			
	THIS PROJECT. OR INFORMA PERMISSION O PROHIBITED.	ANY Atio F V	RE-USE OF 1 N WITHOU VALDMAN EN	THIS DRAWING IT WRITTEN GINEERING IS
		REV	ISIONS]
	ADDENDL	M I		10-11-18
		0.01	DTION	
	NO, DES	CKI	PTION	
	STAIRWELL REPAIR PROJECT	LIST OF ADDRESSES ≰	LAYOUT PLAN	PLAZA APARTMENTS ASSOCIATION ST. PAUL, MINNESOTA
	PROJECT #:		8C- 2	MN
	DRAWN BY:		BMB	
	APPROVED E	3Y:	LMS/MS	
	DATE:		SEPT. 7,	2018
	SHEET NO:		2	



ALL WORK TO BE PERFORMED IN WORKMAN LIKE MANNER MEETING ALL APPLICABLE INDUSTRY ٠ STANDARDS

.

WALDMAN ENGINEERING CONSULTANTS, INC

4300 COMMERCE CT., SUITE 260 LISLE, ILLINOIS 60532

TEL: 630-922-3000

FAX: 922-3003

WEB: www.WaldmanEng.com

THE DESIGN SHOWN ON THIS DRAWING IS INTENDED FOR THE NAMED STRUCTURE ONLY AND ANY USE FOR OTHER STRUCTURES IS EXPRESSLY FORBIDDEN WITHOUT THE WRITTEN CONSENT OF WALDMAN ENGINEERING. ANY CHANGES MADE TO THIS DRAWING BY OTHER THAN THE ENGINEERS AT WALDMAN ENGINEERING SHALL VOID THE DESIGN AND RELIEVE THE ENGINEERS OF ANY FURTHER RESPONSIBILITY.

THIS DRAWING COVERS THE DESIGN OF THE COMPLETED STRUCTURE ONLY, AND THE STRUCTURAL ENGINEERS DO NOT ASSUME ANY RESPONSIBILITY FOR ANY MEANS, METHODS OR TECHNIQUES OF CONSTRUCTION OR FOR IMPLEMENTATION OF ANY LOCAL, STATE, OR FEDERAL SAFETY REQUIREMENTS CONCERNING SAFETY OF WORKMEN OR ANY OTHERS ON OR ABOUT THE JOBSITE

THIS DRAWING IS THE PROPERTY OF WALDMAN ENGINEERING. IT IS FOR THE EXCLUSIVE USE OF THIS PROJECT. ANY RE-USE OF THIS DRAWING OR INFORMATION WITHOUT WRITTEN PERMISSION OF WALDMAN ENGINEERING IS PROHIBITED.

	REVISIONS	
\square	ADDENDUM I	10-11-18
\triangle	ADDENDUM 2	11-16-18
NO.	DESCRIPTION	

STAIRWELL REPAIR PROJECT	STRUCTURAL STAIR	REFLECTED PLAN	PLAZA APARTMENTS ASSOCIATION ST. PAUL, MINNESOTA
PROJECT #:		18C-121	MN
DRAWN BY:		BMB	
APPROVED B	Y:	LMS/MS	
DATE:		SEPT. 7,	2018
SHEET NO:		3	



ALL WORK TO BE PERFORMED IN WORKMAN LIKE MANNER MEETING ALL APPLICABLE INDUSTRY • STANDARDS

٠

WALDN CON	1AN ENGINI SULTANTS	EERING , INC
CONSULTANTS, INC 4300 COMMERCE CT., SUITE 260 LISLE, ILLINOIS 60532 TEL: 630-922-3000 FAX: 922-3003 WEB: www.WaldmanEng.com THE DESIGN SHOWN ON THIS DRAWING IS INTENDED FOR THE NAMED STRUCTURE ONLY AND ANY USE FOR OTHER STRUCTURES IS EXPRESSLY FORBIDDEN WITHOUT THE WRITTEN CONSENT OF WALDMAN ENGINEERING. ANY CHANGES MADE TO THIS DRAWING BY OTHER THAN THE ENGINEERS AT WALDMAN ENGINEERING SHALL VOID THE DESIGN AND RELIEVE THE ENGINEERS OF ANY FURTHER RESPONSIBILITY. THIS DRAWING COVERS THE DESIGN OF THE COMPLETED STRUCTURE ONLY, AND THE STRUCTURAL ENGINEERS DO NOT ASSUME ANY RESPONSIBILITY FOR ANY MEANS, METHODS OR TECHNIQUES OF CONSTRUCTION OR FOR IMPLEMENTATION OF ANY LOCAL, STATE, OR FEDERAL SAFETY REQUIREMENTS CONCERNING SAFETY OF WORKMEN OR ANY OTHERS ON OR ABOUT THE JOBSITE		
THIS DRAWIN ENGINEERING. THIS PROJEC OR INFOR PERMISSION PROHIBITED.	G IS THE PROPERTY IT IS FOR THE EXCL T. ANY RE-USE OF T MATION WITHOU OF WALDMAN EN	OF WALDMAN USIVE USE OF [HIS DRAWING IT WRITTEN GINEERING IS
	REVISIONS	
	DUM I	10-11-18
2 ADDENI	JUM 2	11-16-18
	FSCRIPTION	
STAIRWELL REPAIR PROJECT	TYPICAL STAIR PLAN 2ND ≰ 3RD FLOOR	PLAZA APARTMENTS ASSOCIATION ST. PAUL, MINNESOTA
PROJECT #	4: 8C- 2	MN
DRAWN BY	: BMB	
	BY: LMS/MS	
DATE:	SEPT. 7,	2018
SHEET NO:	. 4	











Railings to meet code must be tested to meet IBC building codes. The tests include: - Infill Load Test: The strength of the balusters are tested so that a 1 square

- foot area must resist | 25lbs of force. - Uniform Load Test: The top rail must be
- able to sustain 125 lbs of force applied horizontally or vertically.
- Concentrated Load Test: The top rail must be capable of holding a point load of 200 Ibs of force applied to the mid span, on the side of a post, and on top of a post.
- A safety factor of 2.5 is usually added to the testing.
- These tests are performed by an accredited third party testing agency.

GENERAL NOTES

- CONTRACTOR TO FIELD VERIFY ALL MEASUREMENTS AND MATERIAL QUANTITIES BEFORE CONTRACT IS PREPARED
- THESE DRAWINGS TO BE WORKED WITH PROJECT SPECIFICATIONS DATED SEPTEMBER 7, 2018 TOGETHER WITH ANY SUBMITTED ADDENDA & REVISIONS.
- ALL WORK TO COMPLY WITH CODES ADOPTED BY THE CITY OF ST. PAUL, MN.
- ALL WORK TO BE PERFORMED IN WORKMAN LIKE MANNER MEETING ALL APPLICABLE INDUSTRY STANDARDS



INSTALL 1/2" CONTRACTION

WALDMAN ENGINEERING CONSULTANTS, INC

4300 COMMERCE CT., SUITE 260 LISLE, ILLINOIS 60532

TEL: 630-922-3000

FAX: 922-3003

WEB: www.WaldmanEng.com

THE DESIGN SHOWN ON THIS DRAWING IS INTENDED FOR THE NAMED STRUCTURE ONLY AND ANY USE FOR OTHER STRUCTURES IS EXPRESSLY FORBIDDEN WITHOUT THE WRITTEN CONSENT OF WALDMAN ENGINEERING. ANY CHANGES MADE TO THIS DRAWING BY OTHER THAN THE ENGINEERS AT WALDMAN ENGINEERING SHALL VOID THE DESIGN AND RELIEVE THE ENGINEERS OF ANY FURTHER RESPONSIBILITY.

THIS DRAWING COVERS THE DESIGN OF THE COMPLETED STRUCTURE ONLY, AND THE STRUCTURAL ENGINEERS DO NOT ASSUME ANY RESPONSIBILITY FOR ANY MEANS, METHODS OR TECHNIQUES OF CONSTRUCTION OR FOR IMPLEMENTATION OF ANY LOCAL, STATE, OR FEDERAL SAFETY REQUIREMENTS CONCERNING SAFETY OF WORKMEN OR ANY OTHERS ON OR ABOUT THE JOBSITE

THIS DRAWING IS THE PROPERTY OF WALDMAN ENGINEERING. IT IS FOR THE EXCLUSIVE USE OF THIS PROJECT. ANY RE-USE OF THIS DRAWING OR INFORMATION WITHOUT WRITTEN PERMISSION OF WALDMAN ENGINEERING IS PROHIBITED.

	REVISIONS	
\wedge	ADDENDUM I	10-11-18
\triangle	ADDENDUM 2	11-16-18
NO.	DESCRIPTION	

STAIRWELL REPAIR PROJECT	MISCELLANEOUS	DETAILS	PLAZA APARTMENTS ASSOCIATION ST. PAUL, MINNESOTA	
PROJECT #:		18C-121MN		
DRAWN BY:		BMB		
APPROVED BY:		LMS/MS	LMS/MS	
DATE:		SEPT. 7	, 2018	
SHEET NO:		9		



TYP. ELEVATION

SCALE: 1/4" = 1'-0"

8

- THESE DRAWINGS TO BE WORKED WITH PROJECT SPECIFICATIONS DATED SEPTEMBER 7, 2018 . TOGETHER WITH ANY SUBMITTED ADDENDA ∉ REVISIONS.
- ALL WORK TO COMPLY WITH CODES ADOPTED BY THE CITY OF ST. PAUL, MN.
- ALL WORK TO BE PERFORMED IN WORKMAN LIKE MANNER MEETING ALL APPLICABLE INDUSTRY ٠ STANDARDS

INSTALL NEW CODE COMPLIANT RESPONSIBILITY. RAILING SYSTEMS, TYP. BRICK MASONRY, REPAIR AT STAIR PENETRATIONS, TYP. RE-POINT AND ABOUT THE JOBSITE REPLACE BRICKS (TO MATCH EXISTING) AS NEEDED. SEE GENERAL NOTES FOR ALLOWANCES. INSTALL BACKER ROD AND HIGH GRADE SEALANT AT ALL BRICK PENETRATIONS, TYP. PROHIBITED. COMPLIANT STAIR SYSTEM W/ CLOSED RISERS, TYP. \vdash INSTALL NEW STEEL BRACKETS, TYP. SEE DETAIL 14, SHEET 9 FOR ADDITIONAL INFORMATION INSTALL NEW STEEL BOLLARDS AT BUILDING 125. SEE DETAIL 19) FOR ADDITIONAL INFORMATION. INSTALL NEW LAYER OF CONCRETE TO EVEN OUT HEIGHT DIFFERENCE AT STAIR, TYP.

WALDMAN ENGINEERING CONSULTANTS, INC

4300 COMMERCE CT., SUITE 260 LISLE, ILLINOIS 60532

TEL: 630-922-3000

FAX: 922-3003

WEB: www.WaldmanEng.com

THE DESIGN SHOWN ON THIS DRAWING IS INTENDED FOR THE NAMED STRUCTURE ONLY AND ANY USE FOR OTHER STRUCTURES IS EXPRESSLY FORBIDDEN WITHOUT THE WRITTEN CONSENT OF WALDMAN ENGINEERING. ANY CHANGES MADE TO THIS DRAWING BY OTHER THAN THE ENGINEERS AT WALDMAN ENGINEERING SHALL VOID THE DESIGN AND RELIEVE THE ENGINEERS OF ANY FURTHER

THIS DRAWING COVERS THE DESIGN OF THE COMPLETED STRUCTURE ONLY, AND THE STRUCTURAL ENGINEERS DO NOT ASSUME ANY RESPONSIBILITY FOR ANY MEANS, METHODS OR TECHNIQUES OF CONSTRUCTION OR FOR IMPLEMENTATION OF ANY LOCAL, STATE, OR FEDERAL SAFETY REQUIREMENTS CONCERNING SAFETY OF WORKMEN OR ANY OTHERS ON OR

THIS DRAWING IS THE PROPERTY OF WALDMAN ENGINEERING. IT IS FOR THE EXCLUSIVE USE OF THIS PROJECT. ANY RE-USE OF THIS DRAWING OR INFORMATION WITHOUT WRITTEN PERMISSION OF WALDMAN ENGINEERING IS

	REVISIONS	
\triangle	ADDENDUM I	10-11-18
\triangle	ADDENDUM 2	11-16-18
NO.	DESCRIPTION	

STAIRWELL REPAIR PROJEC TYPICAL FLEVATION &	BOLLARD DETAIL	PLAZA APARTMENTS ASSOCIATION ST. PAUL, MINNESOTA
PROJECT #:	8C- 2	MN
DRAWN BY:	BMB	
APPROVED BY:	LMS/MS	
DATE:	SEPT. 7	, 2018
SHEET NO:	10	

	Genera	al Notes:	Structural Notes:	Masonry Repairs:
	This pr Condo	oject involves the replacement of (3) staircases at the Lexington minium Association, St. Paul. Minnesota.	A. Design ¢ Loading:	Brick: ASTM Standard C216, Grade SW, Type FI
	I. The	scope includes the following:	 Allowable unit stresses shall be in accordance with the latest specifications of the AISC, ACI, and City of St. Paul, MN, Building Code requirements. 	by strength shall be 2,500 psi. Do not exceed variations in color and texture the Owner. Provide brick that has been test
	i	a. Remove entire staircase at each building including but not limited to all landings, wood components and metal railings.	2. Design Loads as follows: Live Load: 40 psf Staircase Live Load: 100 psf	C67, "Standard Methods of sampling and t clay tile and is rated "not efflorescent".
	ł	o. Install new IBC code compliant staircase. Contractor must verify that all railing connections are sound. Install interim fall protection.	Dead Load: 10 psf Snow Load: 35 psf	Mortar: Portland Cement: ASTM C150., Type 1-
		c. All new wood components are to be preservative-treated and sealed w/ semi-transparent exterior grade sealer. Color: TBD by Owner	B. Concrete:	· · · · · · · · · · · · · · · · · · ·
		d. All treads, risers and landing decking are to be of composite material.	 All reinforced concrete work shall be per "Building Code Requirements for Reinforced Concrete" (ACI-318). 	5
		e. Install new code compliant aluminum railing at intermediate landing.	2. All concrete for pad installation shall be normal weight having a minimum compressive strength of 3000 psi at 3 days.	
	; ,,	f. Install new sloped concrete pads at 1st floor, incl. contraction joints.	3. All weather-exposed concrete shall be air-entrained 5 to 8 percent b volume.	У
		g. Install (2) 4.5" Dia. embedded steel bollards at Building 125.	 All exposed projecting corners of concrete work shall be beveled 1" unless noted. 	
		-panels under stairway roofs.	5. Concrete shall not have any chloride additive.	
		. Re-point brick at/above landings. Consider a total allowance of 200 SF.	6. All reinforcing bars shall be ASTM AG I 5 Grade 60. All welded wire mesh shall be ASTM A 185.	
		 Replace damaged bricks to match existing in size, color & texture, including re-pointing. Consider a total allowance of 100 Bricks. 	7. The free drop of concrete during placement shall not exceed five feet. Concrete shall be vibrated during and immediately after placement. All	
		 Install new steel bracing beneath intermediate landings as indicated on drawings. 		
	\bigcap	. Remove ceiling lights at landings and all other light fixtures in stair	C. Sealant:	
		wells. Install new wall-mounted light fixtures w/ light sensors centered above landing. Fixtures to be chosen by Owner.	 I. All sealant to be BASF MasterSeal NP1 or Engineer approved equal. 2. Install in accordance with Manufacturer's specifications. 	
	ſ	n. A licensed electrician is required to remove and re-install all A existing electrical wiring in accordance with local municipal codes.		
	n. ,	Alternate #1: Use equivalent galvanized hangers and brackets.	D. Structural Steel:	
	2.	All work shall conform to the applicable codes of the local jurisdiction, and the State of Minnesota at the time of permit and construction. The contractor shall verify, in field, all dimensions, angles and existing	 All structural steel work shall conform to the latest edition of AISC "Specification for Design, Fabrication, and Erection of Structural Stee for Buildings" and the latest edition of AISC "Code of Standard Practice of Steel Buildings". 	1
	3.	Variations before proceeding with any work. Variations in the field conditions relative to the contract documents shall be reported to the engineer in writing. Work shall not progress until clarification from architect/engineer is obtained.	2. All structural steel to be coated with a rust prohibitive primer with a minimum thickness of 3 mils unless otherwise noted.	
	4. ,	All work shall be erected plumb, level and true and in accordance with	3. Structural angles, channels, and plates to conform to ASTM A36.	
	5	All permit fees or business licenses to be paid by respective sub-contractors. The owner shall pay the general building permit fee.	4. Steel W-Sections to conform to ASTM A992.	
	6.	'Job copy" original permit drawings and original permit card to be kept at the job site and accessible to inspector at all times.	5. All bolts, nuts, and washers shall conform to the requirements of AST A325. Use one hardened washer under the turned portion of the	Μ
	/. I	architect / engineer.	6. Main landing ledger attachment to have $7/_8$ " minimum embedment.	
	<i>0.</i> (I nese arawings indicate the intent, general character requirements and approximate locations of the work shown. The contractor shall be expected to work with unforeseen field conditions requiring minor		
GENERAL • CON	<u>NOTES:</u>	aesign adjustments. TO FIELD VERIFY ALL MEASUREMENTS AND MATERIAL QUANTITIES BEFORE		
• THE TOG	ITRACT IS F SE DRAWIN ETHER WITI	REPARED GS TO BE WORKED WITH PROJECT SPECIFICATIONS DATED SEPTEMBER 7, 2018 1 ANY SUBMITTED ADDENDA & REVISIONS.		
 ALL ALL STA 	WORK TO C WORK TO E NDARDS	3E PERFORMED IN WORKMAN LIKE MANNER MEETING ALL APPLICABLE INDUSTRY		

				-	
	W	aldma	AN ENGI	INEERING	
e FBS. Min. compressive		CONS	ULTANT	S, INC	
xture of samples accepted by	43	300 COM	MERCE CT.	., SUITE 260	
ested according to ASTM		LISLE, TFL :	, ILLINUIS 6 630-922-3	3000 3000	
		FA	X: 922-30	03	
I-normal.		WEB: wi	ww.Waldmar	nEng.com	
I-normal.		THE DESIGN SHOWN ON THIS DRAWING IS INTENDED FOR THE NAMED STRUCTURE ONLY AND ANY USE FOR OTHER STRUCTURES IS EXPRESSLY FORBIDDEN WITHOUT THE WRITTEN CONSENT OF WALDMAN ENGINEERING. ANY CHANGES MADE TO THIS DRAWING BY OTHER THAN THE ENGINEERS AT WALDMAN ENGINEERING SHALL VOID THE DESIGN AND RELIEVE THE ENGINEERS OF ANY FURTHER RESPONSIBILITY. THIS DRAWING COVERS THE DESIGN OF THE COMPLETED STRUCTURE ONLY, AND THE STRUCTURAL ENGINEERS DO NOT ASSUME ANY RESPONSIBILITY FOR ANY MEANS, METHODS OR TECHNIQUES OF CONSTRUCTION OR FOR IMPLEMENTATION OF ANY LOCAL, STATE, OR FEDERAL SAFETY REQUIREMENTS CONCERNING SAFETY OF WORKMEN OR ANY OTHERS ON OR ABOUT THE JOBSITE THIS DRAWING IS THE PROPERTY OF WALDMAN ENGINEERING. IT IS FOR THE EXCLUSIVE USE OF THIS PRAVING IS THE PROPERTY OF WALDMAN ENGINEERING. IT IS FOR THE EXCLUSIVE USE OF THIS DRAWING OF WALDMAN ENGINEERING IS DREMINGTON OF WALDMAN ENGINEERING IS			
		ADDENDL	REVISIONS IM I	10-11-18	
		ADDENDL	IM 2	- 6- 8	
	NO	DES	CRIPTION		
				`	
		9 I AIRWELL REFAIR FRUJEUI	GENERAL NOTES	PLAZA APARTMENTS ASSOCIATION ST. PAUL, MINNESOTA	
	PR	OJECT #:	8C-	21MN	
	DR	AWN BY:	BMB		
	AP	proved e	BY: LMS/N	15	
	DA	TE:	SEPT.	7, 2018	
	5н	EET NO:			
	1				