



Memorandum

July 26, 2019

To: Mr. Anthony Jacque-Plans Examiner
Division of Industrial Compliance
Bureau of Building Code Compliance
6606 Tussing Road
Reynoldsburg, OH 43068-9009

Project: Chagrin Falls Police & Fire Renovations
21 W Washington Street
Chagrin Falls, OH 44022

Project #:2018020653

We submit the following clarifications, revisions, and comments for your review and approval. Comments are organized per Correction Letter No. 2 from Anthony Jacques, dated February 6, 2019, and they are reproduced below for reference. Responses are in bold italics. Clarifications made to the drawing set in response to these comments have been clouded as Revision #3. Please call if you have any questions or concerns.

- 1) Shop drawings or construction documents have not been received for fire suppression systems to date. The sprinkler system, standpipes and their components, system design, water supplies, acceptance tests, alarms, fire department connections, installation of pipes and fittings and their support from the building structure, protection of piping against damage, use of approved listed valves, hangers, sprinkler heads, supervision, identification devices, inspection, maintenance, etc. shall be detailed to conform to the requirements of the systems referenced in Section 903.3 OBC. Such details shall include calculations and graphic data showing sprinkler spacing, water supply, sizes of piping and fittings, and identification of apparatus and devices.

Acknowledged. Shop drawings for the fire suppression systems will be submitted at a later date after selection of a general contractor. The Village is still attempting to bid the project

- 2) Shop drawings or construction documents have not been received for fire alarm/detection systems to date. Shop drawings for fire alarm and smoke and fire detection systems shall be submitted for review and approval prior to system installation, and shall include, but not be limited to, all of the items listed in 907.1.2 OBC.

Acknowledged. Shop drawings for the fire alarm/detection systems will be submitted at a later date after selection of a general contractor. The Village is still attempting to bid the project.

- 3) Processing and plan review fees shall be paid for sprinkler and fire alarm scopes of work. OBC 115.

Acknowledged. Processing and plan review fees will be paid for sprinkler & fire alarm systems after a certified contractor has been selected and the scope/design determined.

(continued)

ARCHITECTURE

PLANNING

INTERIORS

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- 4) The documents still show sensor release devices on the egress side of egress doors. Sensor release devices (card readers, key pads, magnetic locks, elec. strikes, etc.) are allowed on egress doors in use group or occupancy A, B, E, 1-1, 1-2, 1-4, M, R-1 and R-2 where they meet all six items in OBC 1010.1.9.8. I-3 use groups do not allow these devices. Submit revised documents showing compliance.

Keypad electric lock hardware for Door #102B has been revised to show compliance with the six items listed under OBC 1010.1.9.8. Refer to door #102B on the door schedule and hardware set #18 in the hardware schedule on sheet "A601". The hardware shall automatically unlock when (1) a sensor installed on egress side sends a signal to unlock the door when an occupant approaches the door, (2) there is a loss of power to the door, (3) a manual unlocking device is installed within 5ft of the door between 40" & 48" aff with a sign that reads "PUSH TO EXIT", (4) activation of the fire alarm system, or (5) activation of the automatic sprinkler system or fire detection system. Hardware shall be UL 294 listed.

Alternate: key pad lock set is to be installed only on entrance side of door with ANSI A117.1 compliant handle on the egress side allowing operation of the latch at all times in accordance with OBC 1010.1.10 for rooms with less than 50 occupants.

- 5) Shop drawings or construction documents have not been received for cooking equipment hood fire suppression systems to date. Type 1 hoods are required to be protected with fire suppression systems in accordance with OMC 509.1. Submit evidence of conformance for wet chemical sprinkler systems for exhaust hood fire suppression with NFPA 17a. The construction drawings for hood suppression shall be drawn to scale with working dimensions on standard size drawing sheet and shall be adequate, sufficiently clear, comprehensive and detailed; section 106.1.1 OBC.

Acknowledged. Shop drawings for the cooking equipment hood fire suppression systems will be submitted at a later date after selection of a general contractor. The Village is still attempting to bid the project.

- 6) Shop drawings or construction documents have not been received for cooking equipment exhaust hoods to date. Type 1 exhaust hoods are required where cooking equipment produces grease or smoke. OMC 507.2.
- a. Provide type 1 exhaust and hood fire suppression for the range cooking appliance in accordance with OMC 507.2.1.
 - b. Hood design shall comply with section M-507.0 OBBC. Provide U.L. 710 listed pre-manufactured hoods or show compliance with OMC 507.4, 507.5, 507.7, 507.12, 507.13, 507.14, 507.15 and 507.16. Provide sections and details.
 - c. A type 1 hood shall be installed with a clearance to combustibles of not less than 18 inches. OMC 507.9.

Acknowledged. Shop drawings or listed pre-manufactured documentation for the cooking equipment exhaust hoods will be submitted at a later date after selection of a general contractor. The Village is still attempting to bid the project.

(continued)

- 7) Provide a revised note showing the design professional's responsibility. The documents indicate that the design is based on owner provided documents. The design professional in charge shall verify all existing conditions and shall certify with his/her seal all information provided on the documents. OBC 106.2.

Where my stamp & signature are affixed, to the best of my knowledge & understanding, the existing conditions portrayed within the construction documents are true and accurate as best as can be explored, investigated, and researched within the capacities of a design professional allowed by the State of Ohio.

Sincerely,

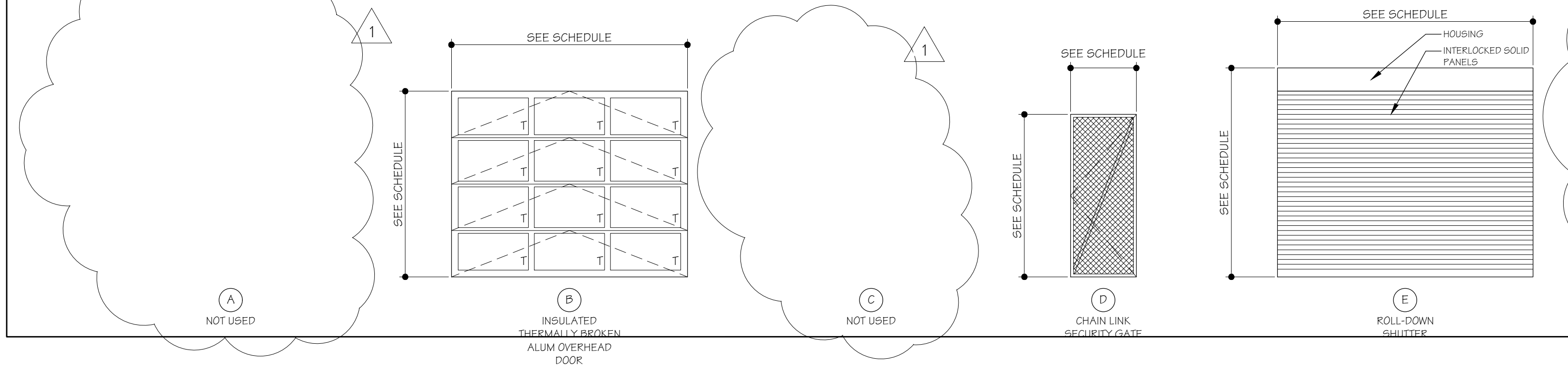
A handwritten signature in blue ink, appearing to read 'R. Siegfried', with a long horizontal flourish extending to the right.

Richard E Siegfried A.I.A. NCARB
RSA Architects, LLC.

DOOR SCHEDULE -- POLICE DEPARTMENT											
DOORS			FRAMES			REMARKS					
DOOR # (SEE FLP PLANS)	EXIT # (SEE LIFE SAFETY PLANS)	PANEL SIZE	ROOM LOCATION	DR/FRAME RATING	TYPE	CONSTRUCTION TYPE	FINISH	MATERIAL	FINISH	HARDWARE PACKAGE	COORDINATE WITH FLOOR PLAN FOR DOOR LOCATIONS AND HANDINGS. REFER TO INTERIOR DESIGN PACKAGE FOR FINISH INFORMATION AND COORDINATION.
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---
102A	1	3'-0" x 7'-0" x 1 3/4"	102 BOOKING	--	H	RE-INFORCED HOLLOW METAL	PAINT	REINFORCED HOLLOW METAL	PAINT	2	PROVIDE MIN. STC RATING OF 45; NOTE: NOT AN EGRESS DOOR FOR RM #102
102B		3'-0" x 7'-0" x 1 3/4"	102 BOOKING	--	H	RE-INFORCED HOLLOW METAL	PAINT	REINFORCED HOLLOW METAL	PAINT	1B	PROVIDE MIN. STC RATING OF 45; DOOR TO RECEIVE HARDWARE ON EGRESS SIDE IN COMPLIANCE WITH CBC 1010.1.9.8. DOOR SHALL UNLOCK UPON (1) SIGNAL FROM OCCUPANT APPROACH SENSORS(2) LOSS OF POWER, (3) ACTIVATION OF MANUAL UNLOCKING DEVICE WITHIN 5FT OF THE DOOR, (4) ACTIVATION OF FIRE ALARM SYSTEM, AND (5) ACTIVATION OF SPRINKLER SYSTEM. LOCKING SYSTEM TO BE LISTED PER UL294. ALTERNATE: KEYPAD LOCKSET ON ENTRANCE SIDE ONLY, EGRESS SIDE TO RECEIVE EGRESS HANDLE TO RETRACT LATCH AT ALL TIMES. SENSORS, REMOVE DEVICE & INTERCONNECTION FOR FIRE PROTECTION SYSTEMS NOT REQUIRED.
102C		ROLL-UP - 11'-0" x 9'-9"	102 BOOKING	--	E	STEEL	PREFINISHED	STEEL	STEEL	1	EXTEND FROM FLOOR TO STRUCTURE ABOVE AND WALL TO WALL TO KEEP ELEC EQUIPMENT SECURE - MAINTAIN MIN. 36" CLEAR AREA IN FRONT OF EXIST. ELEC. EQUIPMENT WHEN IN OPEN POSITION - MANUAL CHAIN OPERATION - KEY LOCK WHEN CLOSED
103A		3'-0" x 7'-0" x 1 3/4"	103 BOOKING RESTROOM	--	H	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT	3	EXISTING REINFORCED EXTERIOR EXIT DOOR & HARDWARE TO REMAIN - CLEAN/REPAIR AS REQUIRED & PAINT WHITE; TO KEEP EXISTING PANIC HARDWARE AND INCORPORATE NEW KEYPAD ENTRY HARDWARE ON OUTSIDE
EX-104A	*K2	3'-0" x 7'-0" x 1 3/4"	104 DUTY ROOM	--	--	--	--	--	--	4	PROVIDE MIN. STC RATING OF 41
105A		3'-0" x 7'-0" x 1 3/4"	105 OFFICE	--	H	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT	5	
106A		3'-0" x 7'-0" x 1 3/4"	106 EVIDENCE ROOM	--	H	REINFORCED HOLLOW METAL	PAINT	REINFORCED HOLLOW METAL	PAINT	6	
107A		3'-0" x 7'-0" x 1 3/4"	107 EVIDENCE PROCESSING	--	H	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT	7	
108A		3'-0" x 7'-0" x 1 3/4"	108 MEN'S LOCKER ROOM	--	H	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT	3	
109A		3'-0" x 7'-0" x 1 3/4"	109 WOMEN'S LOCKER ROOM	--	H	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT	3	
110A		ROLL-UP - 3'-0" x 7'-0"	110 HALL	3HR	D	STEEL	PREFINISHED	STEEL	PREFINISHED	1	ROLL-DOWN FIRE SHUTTER W/ FUSIBLE LINK IN NEW MASONRY OPENING TO MATCH OPENING IN EXISTING MASONRY WALL - EXTEND TO LOW SLAB AT STEP - SHUTTER TO COMPLY W/ NFPA 252 OR UL 10B
110B		ROLL-UP - 3'-0" x 7'-0"	EXISTING POLICE HALL	3HR	D	STEEL	PREFINISHED	STEEL	PREFINISHED	1	ROLL-DOWN FIRE SHUTTER W/ FUSIBLE LINK IN EXISTING OPENING - SHUTTER TO COMPLY W/ NFPA 252 OR UL 10B
111A		PAIR 3'-0" x 7'-0" x 1 3/4"	112 WOMEN'S RESTROOM	--	H	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT	13	
112A		PAIR 3'-0" x 7'-0" x 1 3/4"	112 MEN'S RESTROOM	--	H	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT	13	

DOOR SCHEDULE -- FIRE DEPARTMENT 2nd FLOOR ADDITION											
DOORS			FRAMES			REMARKS					
DOOR # (SEE FLP PLANS)	EXIT # (SEE LIFE SAFETY PLANS)	PANEL SIZE	ROOM LOCATION	DR/FRAME RATING	TYPE	CONSTRUCTION TYPE	FINISH	MATERIAL	FINISH	HARDWARE PACKAGE	COORDINATE WITH FLOOR PLAN FOR DOOR LOCATIONS AND HANDINGS. REFER TO INTERIOR DESIGN PACKAGE FOR FINISH INFORMATION AND COORDINATION.
201A	*12	3'-0" x 6'-8" x 1 3/4"	FIRE DEPT. APPARATUS RM	3HR	H	HOLLOW METAL	PAINTED	HOLLOW METAL	PAINT	9	3HR FIRE RATED HORIZONTAL EXIT SWING DOOR
201B	*12	3'-0" x 6'-8" x 1 3/4"	201 HALLWAY	3HR	H	HOLLOW METAL	PAINTED	HOLLOW METAL	PAINT	9	3HR FIRE RATED HORIZONTAL EXIT SWING DOOR
201C		2'-8" x 7'-0" x 1 3/4"	201 HALLWAY	--	H	SOLID CORE WOOD	STAIN	SOLID CORE WOOD	STAIN	10	
201D		PAIR 2'-3" x 3'-6" GATES	201 HALLWAY	--	G	STEEL	PAINT	STEEL	PAINT	1	NEW SWING GATES W/ LATCH FOR ACCESS TO NEW FIREMAN'S POLE; TO MEET REQUIREMENTS FOR GUARD RAIL - MIN. 42" HIGH, DOES NOT ALLOW PASSAGE OF 4" SPHERE, RESIST 200LBS CONCENTRATED LOAD AND SOPL LOAD IN ANY DIRECTION
202A		3'-0" x 7'-0" x 1 3/4"	202 BEDROOM	45MIN	H	SOLID CORE WOOD		WOOD	STAIN	11	ADD #1
202B		2'-0" x 6'-8" x 1 3/4"	202 BEDROOM	--	H	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	12	
202C		2'-0" x 6'-8" x 1 3/4"	202 BEDROOM	--	H	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	17	
202D		2'-0" x 6'-8" x 1 3/4"	202 BEDROOM	--	H	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	17	
202E		2'-0" x 6'-8" x 1 3/4"	202 BEDROOM	--	H	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	17	
203A		3'-0" x 7'-0" x 1 3/4"	203 BATHROOM	--	H	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	13	
204A		3'-0" x 7'-0" x 1 3/4"	204 BEDROOM	45MIN	H	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	11	ADD #1
204B		2'-0" x 6'-8" x 1 3/4"	204 BEDROOM	--	H	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	12	
204C		2'-0" x 6'-8" x 1 3/4"	204 BEDROOM	--	H	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	17	
204D		2'-0" x 6'-8" x 1 3/4"	204 BEDROOM	--	H	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	17	
204E		2'-0" x 6'-8" x 1 3/4"	204 BEDROOM	--	H	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	17	
205A		3'-0" x 7'-0" x 1 3/4"	205 BATHROOM	--	H	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	13	
206A		3'-0" x 7'-0" x 1 3/4"	206 FLEX ROOM	--	H	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	7	
206B		PAIR 2'-6" x 6'-8" x 1 3/4"	206 FLEX ROOM	--	J	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	15	
206C		3'-0" x 7'-0"	206 FLEX ROOM	--	D	METAL SECURITY GATE	BLACK	STEEL	BLACK	8	ACCESS TO POLICE LT. SHALL ONLY BE GRANTED TO THE POLICE DEPT. - TO RECEIVE KEYPAD W/ KEY BACK-UP
207A		3'-0" x 7'-0" x 1 3/4"	207 STORAGE	--	H	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	10	
208A		2'-6" x 7'-0" x 1 3/4"	208 DINING ROOM	--	H	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	12	
208B		2'-6" x 7'-0" x 1 3/4"	208 DINING ROOM	--	H	SOLID CORE WOOD	STAIN	HOLLOW METAL	STAIN	12	

DOOR SCHEDULE -- FIRE DEPARTMENT 1st FLOOR APPARATUS RM ADDITION											
DOORS			FRAMES			REMARKS					
DOOR # (SEE FLP PLANS)	EXIT # (SEE LIFE SAFETY PLANS)	PANEL SIZE	ROOM LOCATION	DR/FRAME RATING	TYPE	CONSTRUCTION TYPE	FINISH	MATERIAL	FINISH	HARDWARE PACKAGE	COORDINATE WITH FLOOR PLAN FOR DOOR LOCATIONS AND HANDINGS. REFER TO INTERIOR DESIGN PACKAGE FOR FINISH INFORMATION AND COORDINATION.
100A		0'-H. - 10'-2"x8'-2"x2"	100 APPARATUS RM	--	B	ALUM-INSULATED	BLACK	STEEL	PREFINISHED	1	WAYNE DALTON 482 ALUMINUM FULL VIEW THERMALLY BROKEN INSULATED SECTIONAL OVERHEAD DOOR W/ 1/2" GRAY INSULATED GLAZING - LOW HEADROOM MOTOR OPERATED
100B		3'-0" x 6'-8" x 1 3/4"	100 APPARATUS RM	--	J	HOLLOW METAL	PAINTED	HOLLOW METAL	PAINT	14	
100C		3'-0" x 7'-0" x 1 3/4"	100 APPARATUS RM	3HR	J	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT	9	NEW 3HR FIRE RATED SWING DOOR IN EXISTING FIRE BARRIER
100D	*10	3'-0" x 7'-0" x 1 3/4"	100 APPARATUS RM	1-1/2HR	K	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT	16	1-1/2HR EXIT SWING DOOR IN NEW 2HR FIRE RATED EXTERIOR WALL



WINDOW SCHEDULE											
WINDOWS			REMARKS								
WINDOW# (SEE FLP PLANS)	WINDOW SIZE	FIRE RATING	MAX. U-VALUE	MAX. SHGC	TYPE	CONSTRUCTION TYPE	FINISH				
W1	DH - 3'-0"x5'-2"	--			AA	FIBERGLASS	BLACK	PELLA IMPERVIA DOUBLE HUNG WINDOWS W/ ADVANCED COMFORT LOW-E INSULATED GLAZING			
W2	DH - 3'-0"x5'-2" - EGRESS	--			AA	FIBERGLASS	BLACK	PELLA IMPERVIA DOUBLE HUNG WINDOWS W/ ADVANCED COMFORT LOW-E INSULATED GLAZING - SECONDARY BEDROOM EGRESS			
W3	(2)DH - 3'-0"x5'-2"	--			BB	FIBERGLASS	BLACK	TWO MULLED PELLA IMPERVIA DOUBLE HUNG WINDOWS W/ ADVANCED COMFORT LOW-E INSULATED GLAZING			
W4	3'-0" x 2'-8"	--	.9	.68	CC			TWO MULLED PELLA IMPERVIA DOUBLE HUNG WINDOWS W/ ADVANCED COMFORT LOW-E INSULATED GLAZING; MATCH EXISTING RESTROOM WINDOW HEIGHT ALONG SAME BUILDING FACADE(SOUTH)			
W5								NOT USED			
W6	DH - 3'-0" x 2'-8" ±	--	.9	.68	AA	FIBERGLASS	BLACK	DOUBLE HUNG WINDOW WITH TEMPERED LOW-E INSULATED GLAZING; MATCH EXISTING RESTROOM WINDOW HEIGHT ALONG SAME BUILDING FACADE(SOUTH)			
W7	(2)DH - 3'-0" x 2'-8" ±	--	.9	.68	AA	FIBERGLASS	BLACK	TWO MULLED PELLA IMPERVIA DOUBLE HUNG WINDOWS W/ ADVANCED COMFORT LOW-E INSULATED GLAZING - MATCH EXISTING RESTROOM WINDOW HEIGHT ALONG SAME BUILDING FACADE(SOUTH)			
W8	14" SKYLIGHT	--			--	--	--	VELUX "SUN TUNNEL" W/ RIGID PIVOTING TUNNELING SYSTEM, TCR CURB FLASHING, & POLYCARBONATE DOME. TO RECEIVE INTEGRATED LIGHT FIXTURE(SEE ELEC. DWGS).			
W9	14" SKYLIGHT	--			--	--	--				

HARDWARE SCHEDULE				HARDWARE SCHEDULE				HARDWARE SCHEDULE			
HW SET	QTY	UNIT	ITEM	HW SET	QTY	UNIT	ITEM	HW SET	QTY	UNIT	ITEM
01			DOOR MANUFACTURER PROVIDED HARDWARE	09			INTERIOR SINGLE DOOR - 3HR FIRE RATED	17			INTERIOR DOOR - CLOSET
			SEE DOOR COMMENTS								
02			EXTERIOR SINGLE SECURITY DOOR								
			3 EA 4-1/2" HEAVYWEIGHT HINGE								
			1 EA KEYPAD LOCKSET BOTH SIDES W/ KEY BACK-UP								
ADD #1											
			1 EA CLOSER								
			1 EA KICKPLATE								
			1 EA GASKETING SEAL								
			1 EA WALL STOP								
03			INTERIOR SINGLE DOOR (LOCKERS & RR)								
			3 EA 4-1/2" STANDARD HINGE								
			1 EA PULL								
			1 EA PUSH PLATE								
			1 EA CLOSER								
			1 EA KICKPLATE								
			1 EA HINGE STOP								
			3 EA SILENCERS								
04			EXISTING EXTERIOR EXIT SINGLE DOOR								
			REPLACE EXISTING CYLINDER KNOB W/ PUSH/PAD PANIC HARDWARE - INTEGRATE KEYPAD LOCKSET ON OUTSIDE								
			1 EA RIM PANIC DEVICE								
			1 EA KEYPAD LOCKSET W/ KEY BACK-UP								
			1 EA LOW VOLTAGE(POWER & COMM.)								
05			INT. SINGLE DOOR (OFFICE)								
			1-1/2 PAIR 4-1/2" HEAVYWEIGHT HINGE								
			1 EA KEYPAD OFFICE LOCKSET W/ KEY BACK-UP								
			1 EA CLOSER								
			1 EA GASKETING SEAL								
			1 EA SADDLE THRESHOLD								
			1 EA WALL STOP								
			1 EA LOW VOLTAGE(POWER & COMM.)								
06			INTERIOR SINGLE DOOR								
			1 EA HW CONTINUOUS HINGE								
			1 EA KEYPAD OFFICE LOCKSET W/ KEY BACK-UP								
			1 EA CLOSER								
			1 EA GASKETING SEAL								
			1 EA SADDLE THRESHOLD								
			1 EA WALL STOP								
			1 EA LOW VOLTAGE(POWER & COMM.)								
07			INTERIOR SINGLE DOOR								
			3 PAIR 4-1/2" STANDARD HINGES								
			1 EA OFFICE LOCKSET								
			1 EA KICKPLATE								
			1 EA SILENCERS								
			1 EA KICK PLATE								
			1 EA WALL STOP								
08			INTERIOR SINGLE DOOR (SINGLE USE RR)								
			SECURITY GATE/FENCE MANUFACTURER TO PROVIDE HARDWARE AND INCORPORATE KEYPAD LOCKSET INTO THE GATE.								
			1 EA KEYPAD LOCKSET W/ KEY BACK-UP								
			1 EA LOW VOLTAGE(POWER & COMM.)								

HARDWARE SCHEDULE				HARDWARE SCHEDULE				HARDWARE SCHEDULE			
HW SET	QTY	UNIT	ITEM	HW SET	QTY	UNIT	ITEM	HW SET	QTY	UNIT	ITEM
09			INTERIOR SINGLE DOOR - 3HR FIRE RATED	17			INTERIOR DOOR - CLOSET				
			3 EA STANDARD HINGE								
			1 EA PASSAGE LATCHSET								
			1 EA CLOSER(NO HOLD-OPEN)								
			1 EA GASKETING								
			1 EA KICK PLATE								
			1 EA WALL STOP								
			1 EA MAGNETIC HOLD OPEN								
10			INTERIOR SINGLE DOORS (UTILITY CLOSET)								
			3 EA 4-1/2" HEAVYWEIGHT HINGE								