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10 Church Avenue, SE
Roanoke, VA 24011
540.342.6001

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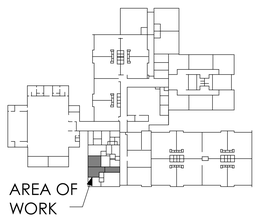
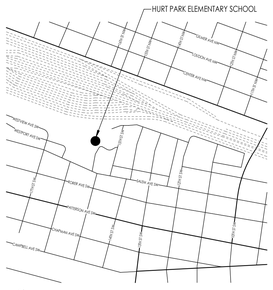
IFB 3105 - ATTACHMENT 1

RENOVATIONS TO

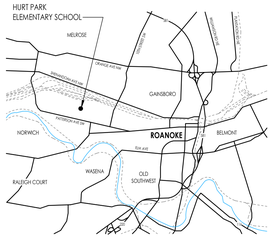
HURT PARK ELEMENTARY SCHOOL
SECURED VESTIBULE



BUILDING MAP
SCALE: N.T.S.



PROJECT VICINITY
SCALE: N.T.S.



PROJECT LOCATION
SCALE: N.T.S.

VA DOE NO.:
#124-42-00-102

SPECTRUM DESIGN PROJECT NO.:
22082

1525 SALEM AVENUE SW | ROANOKE, VA 24016

ROANOKE CITY PUBLIC SCHOOLS

PROJECT PHASE:
CONSTRUCTION DOCUMENTS

PROJECT DATE:
11.04.2022

INDEX OF DRAWINGS:

COMMONWEALTH OF VIRGINIA
DAVID C. VENABLE
Lic. No. 8832
11.04.2022
ARCHITECT

COMMONWEALTH OF VIRGINIA
JEFFREY WIGGINGTON
Lic. No. 32781
11.04.2022
PROFESSIONAL ENGINEER

CONSTRUCTION DOCUMENTS | 11.04.2022

HURT PARK ELEMENTARY SCHOOL
SECURED VESTIBULE

SPECTRUM DESIGN | PROJECT NUMBER : 22082

11/4/2022 10:47:21 AM

GENERAL PROJECT INFORMATION

PROJECT TYPE: RENOVATIONS TO

PROJECT NAME: HURT PARK ELEMENTARY SCHOOL
SECURED VESTIBULE

PROJECT ADDRESS: 1525 SALEM AVENUE SW
ROANOKE, VA 24016

SITE INFORMATION

TAX MAP NO.: 1210320
ZONING: INPUD
FLOOD ZONE: N/A
CODE JURISDICTION: CITY OF ROANOKE

OWNER INFORMATION

OWNER/AUTHORIZED AGENT: ROANOKE CITY PUBLIC SCHOOLS / JEFFERY SHAWVER
PHONE: (540) 853-6306
JSHAWVER@RCPS.INFO

OWNER'S ADDRESS: PO BOX 13145
ROANOKE, VA 24031

LEAD DESIGN PROFESSIONALS:

DISCIPLINE	FIRM	NAME	LICENSE	TELEPHONE
--	--	--	--	--
--	--	--	--	--
ARCHITECTURAL	SPECTRUM DESIGN	DAVID VENABLE	8832	540.342.6001
--	--	--	--	--
--	--	--	--	--
ELECTRICAL	SPECTRUM DESIGN	JEFF WIGGINGTON	32781	540.342.6001
--	--	--	--	--
--	--	--	--	--

PROJECT CODE SUMMARY

PROJECT DESCRIPTION
THE PROJECT IS GENERALLY DESCRIBED AS A RENOVATION TO THE EXISTING LOBBY SPACE IN ORDER TO CREATE A SAFE & SECURE VESTIBULE AREA

APPLICABLE BUILDING CODES

2018 VIRGINIA EXISTING BUILDING CODE (VEBC)
2018 VIRGINIA CONSTRUCTION CODE (VCC)
2017 NATIONAL ELECTRICAL CODE (NFPA 70)
2018 VIRGINIA MECHANICAL CODE
2018 VIRGINIA PLUMBING CODE
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN 9-15-10 (BCOM)
2009 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES (ANSI 117.1)

BUILDING INFORMATION

ORIGINAL BUILDING CONSTRUCTED: 1961

EXISTING USES AND OCCUPANCIES: E - EDUCATIONAL (PRIMARY); A - ASSEMBLY; B - BUSINESS

NEW USES AND OCCUPANCIES: NO CHANGE

NUMBER OF STORIES: 1 STORY

TOTAL BUILDING AREA: 43,025 SF

ACTUAL WORK AREA: 550 SF

CONSTRUCTION TYPE: ASSUMED 2B, UNPROTECTED, NONCOMBUSTIBLE

AUTOMATIC SPRINKLER SYSTEM: NOT PRESENT

FIRE ALARM AND DETECTION SYSTEM: PRESENT

2018 VIRGINIA EXISTING BUILDING CODE

CHAPTER 3 (VEBC): GENERAL PROVISIONS AND SPECIAL DETAILED REQUIREMENTS

SECTION 301.3.2 NEW WORK TO BE DONE UNDER WORK AREA COMPLIANCE METHOD.

SECTION 302.1 NEW AND REPLACEMENT MATERIALS PERMITTED BY THE CODE FOR NEW CONSTRUCTION SHALL BE USED. LIKE OR REPLACEMENT MATERIAL IN COMPLIANCE WITH REQUIREMENTS OR APPROVALS IN EFFECT AT THE TIME OF THEIR ERECTION OR INSTALLATION SHALL BE PERMITTED UNLESS THE BUILDING OFFICIAL DEEMS THEM UNSAFE AND PROVIDE NO HAZARD TO LIFE, HEALTH OR PROPERTY.

CHAPTER 4 (VEBC): ACCESSIBILITY

SECTION 404 ALTERATIONS - THE RENOVATIONS IN THIS WORK AREA DO NOT REDUCE OR HAVE THE EFFECT OF REDUCING ACCESSIBILITY OF THE FACILITY OR PORTION OF THE FACILITY.

CHAPTER 6 (VEBC): ALTERATIONS

SECTION 602 LEVEL 1 ALTERATIONS

SECTION 602.2 ALL ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE EXISTING LEVEL OF FIRE PROTECTION AND MEANS OF EGRESS.

SECTION 602.3.1 ALL NEWLY INSTALLED INTERIOR FINISH AND TRIM MATERIALS SHALL COMPLY WITH CHAPTER 8 OF THE VCC. SEE FINISH SCHEDULE, MATERIAL FINISH NOTES.

SECTION 603 LEVEL 2 ALTERATIONS

SECTION 603.3 ALL LEVEL 2 ALTERATIONS SHALL COMPLY WITH LEVEL 1 ALTERATION REQUIREMENTS.

SECTION 603.4.3 ALL NEW INTERIOR FINISH MATERIALS ARE DESIGNED TO COMPLY WITH THE VCC.

SECTION 603.5 MECHANICAL - WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH THE 2018 VIRGINIA CONSTRUCTION CODE

SECTION 603.6 PLUMBING - THE OCCUPANT LOAD IS NOT INCREASED MORE THAN 20%. EXISTING FIXTURE COUNT TO REMAIN UNCHANGED.

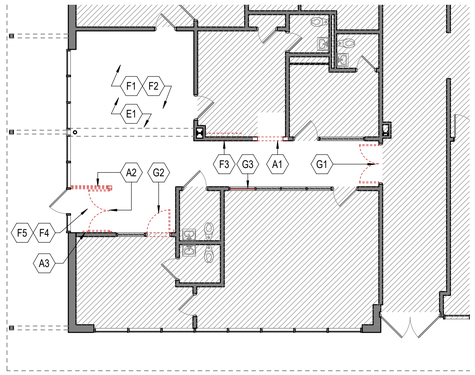
CHAPTER 7 (VEBC): CHANGE OF OCCUPANCY

NO CHANGE OF OCCUPANCY TO OCCUR.

CHAPTER 12 (VEBC): CONSTRUCTION SAFEGUARDS

CONTRACTOR SHALL COMPLY WITH THE 2018 VIRGINIA CONSTRUCTION CODE

NOTE: CODE ANALYSIS IS LIMITED TO THE WORK AREAS DESIGNATED.



1 DEMOLITION PLAN
A041 SCALE: 1/8" = 1'-0"

DEMOLITION OF HAZARDOUS MATERIALS

ASBESTOS AND LEAD DISCLOSURE STATEMENTS
AN ASBESTOS INSPECTION HAS BEEN PERFORMED. CONTRACTOR TO OBTAIN INSPECTION REPORT FROM OWNER. CONTRACTOR SHALL ASSUME THERE IS NO ASBESTOS CONTAINING MATERIALS WITHIN THE AREA OF WORK. SHOULD THE CONTRACTOR DISCOVER ANY QUESTIONABLE MATERIAL DURING DEMOLITION/RENOVATION, CONTRACTOR SHALL STOP WORK, AND INFORM OWNER TO OBTAIN CLEARANCE PRIOR TO CONTINUATION OF WORK.

LEAD DISCLOSURE STATEMENT
AN INSPECTION TO IDENTIFY LEAD CONTAINING OR COATED BUILDING COMPONENTS HAS BEEN PERFORMED. INSPECTION REPORT IS AVAILABLE FROM OWNER. THIS REPORT IS AVAILABLE FOR THE CONTRACTOR'S USE AND MAY NOT BE ALL INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL VIRGINIA OCCUPATIONAL SAFETY AND HEALTH (VOSH) REGULATIONS AS THEY PERTAIN TO EMPLOYEE EXPOSURES TO LEAD.

DEMOLITION GENERAL NOTES

GN-1: REMOVE WALLS AND OTHER ELEMENTS SHOWN DASHED IN THEIR ENTIRETY.

GN-2: CONTRACTOR SHALL REMOVE / DISPOSE OF ANY AND ALL DEMOLITION DEBRIS PROPERLY AND IN ITS ENTIRETY TAKING CARE TO KEEP A CLEAN AND SAFE WORKING ENVIRONMENT AT ALL TIMES.

GN-3: CONTRACTOR TO ENSURE WORK IS DONE IN A COMPETENT / SAFE MANNER TAKING CARE NOT TO DAMAGE OR DISTURB SURROUNDING SURFACES MORE THAN REQUIRED TO COMPLETE DEMOLITION.

GN-4: CONTRACTOR SHALL REMOVE EXISTING TRIM AS REQUIRED TO COMPLETE WORK IN DESIGNATED AREAS. STORE IN A SAFE, SECURE, DRY AREA UNTIL ITEMS ARE TO BE REINSTALLED.

GN-5: CONTRACTOR SHALL REPAIR / PREP / PRIME AND PAINT AREAS AND ADJACENT SURFACES DAMAGED OR DISTURBED BY CONSTRUCTION. MATCH ADJACENT WALL COLOR, FINISH AND TEXTURE.

GN-6: CONTRACTOR TO TEMPORARILY ENCLOSE / SECURE AREAS IN EXTERIOR WALLS LEFT EXPOSED DUE TO DEMOLITION / CONSTRUCTION. ENCLOSURE(S) SHALL BE CONSTRUCTED IN A MANNER WHICH PROTECTS THE EXISTING BUILDING / STRUCTURE / FINISHES ETC. FROM EXPOSURE TO THE ELEMENTS AND PROVIDES A SECURE BARRIER PREVENTING ENTRY OR THEFT DURING CONSTRUCTION.

1 DEMOLITION KEYNOTES

A1: REMOVE PORTION OF EXISTING CMU WALL TO ALLOW FOR THE INSTALLATION OF NEW DOOR AND FRAME. CUT ALONG MORTAR JOINTS AT HALF & FULL BLOCK INCREMENTS.

A2: REMOVE EXISTING STOREFRONT SYSTEM INCLUDING INTERIOR VESTIBULE DOOR AND ALL ASSOCIATED HARDWARE.

A3: REMOVE EXISTING AI-PHONE. SALVAGE & RELOCATE TO EXTERIOR - SEE A101 FOR NEW LOCATION.

E1: REMOVE EXISTING LIGHTS, EXIT LIGHTS & SWITCHES IN AREA OF WORK. PROTECT EXISTING CIRCUITRY - JUNCTION BOXES, CONDUIT AND WIRING ARE TO BE REUSED IF SUITABLE TO CIRCUIT NEW LIGHTS. SEE ELECTRICAL DEMOLITION DRAWINGS.

F1. REMOVE EXISTING CARPET AND ASSOCIATED ADHESIVE, GLUE, ETC. TO CLEAN AND BARE CONCRETE FLOOR OR SUBFLOOR. COORDINATE FLOORING DEMOLITION WITH NEW LVT LOCATIONS AT NEW TRANSITION STRIP - SEE FLOOR PLAN ON SHEET A101.

F2: REMOVE EXISTING VINYL WALL BASE.

F3: REMOVE EXISTING MAILBOXES. SALVAGE AND RETURN TO OWNER. LINTEL ABOVE MAILBOXES IS TO REMAIN.

F4: REMOVE EXISTING TILE AND ASSOCIATED ADHESIVE, GLUE, ETC. TO CLEAN AND BARE CONCRETE FLOOR OR SUBFLOOR.

F5: REMOVE EXISTING TILE WALL BASE.

G1. REMOVE EXISTING DOOR AND ALL ASSOCIATED HARDWARE. EXISTING FRAME IS TO REMAIN.

G2: REMOVE EXISTING DOOR (HM FRAME IS TO REMAIN).

G3: REMOVE PORTION OF HM GLAZING (THIS SECTION ONLY).

MATERIALS LEGEND

EARTH
POROUS FILL (STONE OR GRAVEL)
CAST-IN-PLACE CONCRETE
BRICK
CONCRETE MASONRY UNITS
MARBLE / GRANITE
ALUMINUM
OTHER METALS
STEEL
EXPANSION JOINT
FINISH WOOD
HARDBOARD
SAND, CEMENT, GROUT
RIGID INSULATION
PLYWOOD
GYPSUM WALL BOARD
GLASS
BRICK VENEER (ELEVATIONS)
CMU VENEER (ELEVATIONS)
BATT INSULATION
WOOD BLOCKING

**NOTE: THESE ARE STANDARD SYMBOLS - ALL SYMBOLS NOTED ON THIS SHEET MAY NOT APPLY.

SYMBOLS LEGEND

VIEW TITLE: 00 VIEW TITLE — M000 SCALE: 1/8" = 1'-0" REF: R101 — VIEW NUMBER, DRAWING SCALE, SHEET REFERENCE
BUILDING SECTION TAG: A301 / A301 — DRAWING NUMBER, SHEET NUMBER
WALL SECTION TAG: A101 — DRAWING NUMBER, SHEET NUMBER
DETAIL SECTION TAG: 1 / A101 — DRAWING NUMBER, SHEET NUMBER
ENLARGED DETAIL: 1 / A501 — DRAWING NUMBER, SHEET NUMBER
EXTERIOR ELEVATION TAG: 1 / A201 — DRAWING NUMBER, SHEET NUMBER
INTERIOR ELEVATION TAG: 5/F / A101 — DRAWING / SHEET NUMBER
ROOM TAG: ROOM NAME 101 — ROOM NUMBER
LIFE SAFETY TAG: ROOM NAME RM 101 / 200 SF / 1 : 200 / 200 OCC — ROOM NUMBER, ROOM AREA, OCCUPANT PER SF RATIO, OCCUPANCY LOAD
PARTITION TAG: A2B1 — FIRE RATING (HOURS), PARTITION STRUCTURE, PARTITION STRUCTURE SIZE (NOMINAL), PARTITION TYPE (SCHEDULE)
DOOR NUMBER: 101A
SIGNAGE TAG: 101A
EGRESS TAGS: 330 / 200 — ALLOWABLE EGRESS CAPACITY OF OPENING, ACTUAL EGRESS LOAD OF OPENING; 30 — CUMULATIVE EGRESS LOAD ALONG PATH
STOREFRONT / WINDOW / CURTAINWALL FRAMING: SF XX.X / XXX — FRAME TYPE, FRAME NO., FRAME DEPTH
GLASS TYPE: GL-#
COLUMN GRID LINE NEW CONSTRUCTION: 1 / A — DESIGNATOR
CASEWORK TAG: 000 M* / 00 W / 00 H / 00 D / X/AXX — NAAWS CABINET DESIGN SERIES NUMBER; CASEWORK WIDTH **; NOMINAL CASEWORK HEIGHT (TOP OF COUNTERTOP IF BASE CABINET); NOMINAL CASEWORK DEPTH (REAR OF CABINET TO FACE OF CABINET DOOR); MODIFICATION DETAIL OR DESCRIPTION
* "M" = MODIFIED
** "V" = VARIES, MATCH WIDTH OF ADJACENT CASEWORK BELOW
DEMOLITION NOTE: D1
LOUVER TYPE: L1
TOILET ACCESSORIES: TA1
EQUIPMENT NUMBER: EQ1
REVISION NUMBER: #
NORTH DIRECTION: N — NORTH
MATCHLINE: MATCHLINE — RE: REFRENCE DRAWING
CENTERLINE: ℄
LIMITS OF CONSTRUCTION: L.O.C.
STAIR DIRECTION: UP / DN
BREAKLINE
SPOT ELEVATION: 1226'-0"
BENCHMARK ELEVATION: XXX LEVEL XX - XX"

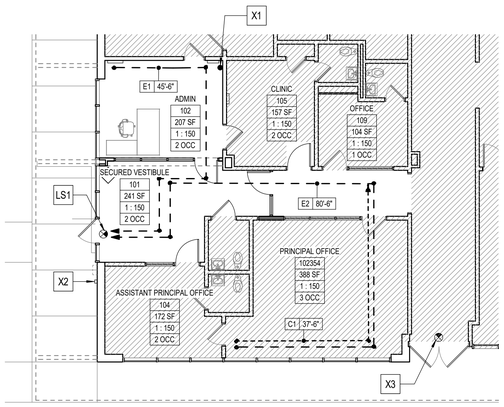
XX KEYNOTE INDICATOR

A - ARCHITECTURAL / GENERAL
C - CIVIL
E - ELECTRICAL
F - FINISHES / FURNITURE
G - GLAZING / DOORS
LS - LIFE SAFETY
M - MECHANICAL
P - PLUMBING
R - ROOF
S - STRUCTURAL
W - WALLS
X - EXISTING

NOTES:
1. INDICATOR LETTER IS USED FOR KEYNOTE ORGANIZATION ONLY AND IS NOT INTENDED TO ASSIGN OR EXCLUDE WORK AND/OR COORDINATION TO OR FROM SPECIFIC TRADES OR DISCIPLINES.
2. KEYNOTES ARE TYPICALLY ASSOCIATED WITH A DRAWING SERIES. KEYNOTE NUMBERS MAY VARY FROM SERIES TO SERIES. SOME KEYNOTES MAY APPEAR IN A SHEETS LEGEND, BUT NOT APPEAR IN A DRAWING ON THAT SPECIFIC SHEET.

ARCHITECTURAL ABBREVIATIONS

AB	ANCHOR BOLT	MACH	MACHINE
ACM	ALUMINUM COMPOSITE MATERIAL	MAINT	MAINTENANCE
		MATL	MATERIAL
ACP	ACOUSTICAL CEILING PANEL	MECH	MECHANICAL
		MO	MASONRY OPENING
AFF	ABOVE FINISH FLOOR	MTL	METAL
ALT	ALTERNATE	NA	NOT APPLICABLE
ALUM	ALUMINUM	NIC	NOT IN CONTRACT
ARCH	ARCHITECTURAL	NTS	NOT TO SCALE
BD	BOARD	OC	ON CENTER
BLDG	BUILDING	OD	OUTSIDE DIAMETER
BLKG	BLOCKING	OH	OPPOSITE HAND
BOT	BOTTOM		
BRG	BEARING	PLAM	PLASTIC LAMINATE
		PLUMB	PLUMBING
CI	CONTINUOUS INSULATION	PNT	PAINTED
		PT	PRESSERVATIVE TREATED
CJ	CONTROL JOINT		
CLG	CEILING	R	RADIUS
CMU	CONCRETE MASONRY UNIT	RCP	REFLECTED CEILING PLAN
CONC	CONCRETE		
CONF	CONFERENCE	RE	REFER
CONT	CONTINUOUS	RECPT	RECEPTION
CONTR	CONTRACTOR	REINF	REINFORCEMENT
CW	CASEWORK	REV	REVERSED
		RM	ROOM
DIA	DIAMETER	RO	ROUGH OPENING
DS	DOWNSPOUT		
		SCHED	SCHEDULE
EA	EACH	SHT	SHEET
EB	EXPANSION BOLT	SPEC	SPECIFICATION
EF	EACH FACE	SS	STAINLESS STEEL
EJ	EXPANSION JOINT	STL	STEEL
EL	ELEVATION	STOR	STORAGE
ELEC	ELECTRICAL	STRUCT	STRUCTURAL
ELEV	ELEVATION		
ELEV	ELEVATOR	THRESH	THRESHOLD
EQ	EQUAL	TLT	TOILET
EQUIP	EQUIPMENT	TOJ	TOP OF JOIST
EW	EACH WAY	TOS	TOP OF STEEL
EXIST	EXISTING	TOW	TOP OF WALL
EXT	EXTERIOR	TYP	TYPICAL
FLR	FLOOR	UNO	UNLESS NOTED OTHERWISE
FRT	FIRE RETARDANT TREATED	UR	URINAL
FSM	FLEXIBLE SHEET MEMBRANE ROOFING	VEST	VESTIBULE
FTG	FOOTING	W/	WITH
		W/O	WITHOUT
GALV	GALVANIZED	WC	WATER CLOSET
GN	GENERAL NOTE	WD	WOOD
GYB	GYPSUM WALL BOARD	WHL CHR	WHEELCHAIR
GYP	GYPSUM WALL BOARD	°	DEGREE
		±	PLUS / MINUS
HDWRE	HARDWARE	Ø	DIAMETER
HGT	HEIGHT	≤	LESS THAN OR EQUAL TO
HIPAC	HIGH PERFORMANCE ARCH COATING	≥	GREATER THAN OR EQUAL TO
HP	HIGH POINT	•	BULLET POINT
HR	HOUR		
ID	INSIDE DIAMETER		
INT	INTERIOR		
ISOL	ISOLATION		
JAN	JANITOR		
JT	JOINT		
LLV	LONG LEG VERTICAL		
LOC	LIMITS OF CONSTRUCTION		
LP	LOW POINT		



2 LIFE SAFETY PLAN
A041 SCALE: 1/8" = 1'-0"
REF: A101

LIFE SAFETY LEGEND

ROOM NAME / LIFE SAFETY TAG
RM 101 — ROOM NUMBER
200 SF — AREA OF SPACE
1 : 200 — SF PER OCCUPANT
200 OCC — OCCUPANCY LOAD

ROOM NAME / ROOM TAG
101 — ROOM NUMBER

TRAVEL DISTANCE
Cx 00'-0" — COMMON PATH OF TRAVEL (Cx) DISTANCE AND DIRECTION
Ex 00'-0" / 100 — EXIT ACCESS TRAVEL (Ex) DISTANCE AND DIRECTION; CUMULATIVE EGRESS LOAD ALONG PATH
PATH OF TRAVEL
EGRESS TAG: 330 / 200 — ALLOWABLE EGRESS CAPACITY; ACTUAL EGRESS LOAD

XX LIFE SAFETY PLAN KEYNOTES

LS1: PROVIDE NEW EXIT SIGNS.

X1: EXISTING FIRE EXTINGUISHER LOCATION.

X2: NEW LOCATION FOR EXISTING KNOX BOX. KNOX BOX IS TO BE SHIFTED TO ACCOMODATE A-I PHONE LCOATION.

X3: EXISTING EXIT LIGHT TO REMAIN.

DEMOLITION LEGEND

EXISTING WALLS TO REMAIN
EXISTING WALLS TO BE REMOVED
EXISTING MISCELLANEOUS ITEMS TO BE REMOVED
EXISTING DOOR TO BE REMAIN
EXISTING DOOR TO BE REMOVED

0 2' 4' 8'
SCALE: 1/4" = 1' - 0"

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COMMONWEALTH OF VIRGINIA
DAVID C. VENABLE
Lic. No. 8832
11.04.2022
ARCHITECT

PROJ. MGR.: **DCV** CHECKED BY: **DCV** DRAWN BY: **TLW**

SHEET ISSUE DATE:
11.04.2022

PROJECT PHASE:
CONSTRUCTION DOCUMENTS

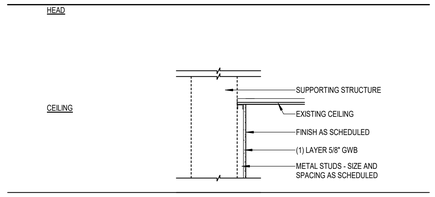
SHEET REVISIONS:

PLAN NORTH — SITE NORTH

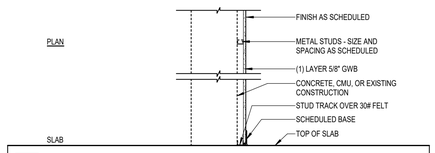
SHEET NAME:
GENERAL ARCH INFO, CODE SUMMARY, LIFE SAFETY PLAN, & DEMOLITION PLAN

SHEET NUMBER:
A041

11/4/2022 1:51:19 PM

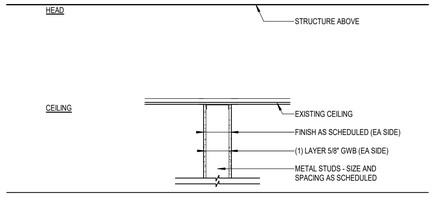


FxB TERMINATION DETAIL

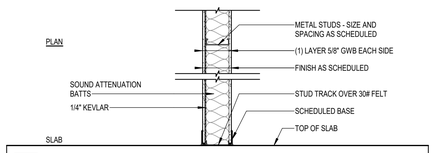


F PARTITION TYPE

ASSEMBLY TAG	TOTAL WIDTH	STRUCT. WIDTH	MIN. GAUGE	MAX. SPACING	LIMITING HEIGHT	UL NO.	FIRE RATING	TERMINATION DETAIL	KEYNOTES
F3B	3 1/8"	2 1/2"	20	16"	UP TO EXISTING CEILING	--	--	FxB	--



GxB TERMINATION DETAIL



G PARTITION TYPE

ASSEMBLY TAG	TOTAL WIDTH	STRUCT. WIDTH	MIN. GAUGE	MAX. SPACING	LIMITING HEIGHT	UL NO.	FIRE RATING	TERMINATION DETAIL	KEYNOTES
G4B	5 1/8"	3 5/8"	20	16"	UP TO EXISTING CEILING	--	--	GxB	PROVIDE 1/4" KEVLAR UNDER SF SYSTEM

DOOR AND FRAME SCHEDULE - ALUMINUM

OPENING NO./ DOOR MARK	DOOR ELEV	DOOR PAIR	DOOR MATL	DOOR WIDTH	DOOR HEIGHT	FIRE RATING	FRAME ELEV	FRAME MATL	HDWRE SET	AO	CR	KEYNOTES
FIRST FLOOR												
102	SF	--	ALUM	3' - 0"	6' - 10"	--	SF	AL	SEE SPECS		•	
103.1	SF	--	ALUM	3' - 0"	6' - 10"	--	SF	AL	SEE SPECS		•	

DOOR AND FRAME SCHEDULE

OPENING NO./ DOOR MARK	DOOR ELEV	DOOR PAIR	DOOR MATL	DOOR WIDTH	DOOR HEIGHT	FIRE RATING	FRAME ELEV	FRAME MATL	HDWRE SET	CR	KEYNOTES
FIRST FLOOR											
104	NT	--	WD	3' - 0"	7' - 0"	--	EXIST	EXIST	SEE SPECS	•	DOOR IN EXISTING FRAME. PROVIDE DOOR CLOSER
105	F	--	WD	3' - 0"	6' - 10"	--	F1	HM	SEE SPECS		
X105	EXIST	--	EXIST	3' - 0"	6' - 10"	--	EXIST.	HM	SEE SPECS	•	NEW HARDWARE ONLY
X107	EXIST	--	EXIST	3' - 0"	6' - 10"	--	EXIST	HM	SEE SPECS	•	NEW HARDWARE ONLY

FRAMED OPENINGS GENERAL NOTES

GN-1: CONTRACTOR TO PROVIDE STOREFRONT MANUFACTURER'S PREFORMED SUB-SILL, BASE FLASHING, AND END DAMS, TYPICAL.

GN-2: DIMENSIONS SHOWN ARE NOMINAL AND PROVIDED FOR DESIGN INTENT. CONTRACTOR TO FIELD VERIFY ROUGH OPENINGS, AND ACCOUNT FOR JOINTS, SHIMS, SEALANT, ETC.

GN-3: JOINTS SHOWN IN ELEVATION BETWEEN STOREFRONT MEMBERS ARE NOT INTENDED TO SHOW ACTUAL JOINT LOCATIONS.

GN-4: DEPTH OF STOREFRONT FRAMES TO BE 4 1/2" U.N.O.

GN-5: ALL GLAZING IN INTERIOR FRAMES SHALL BE TYPE GL-1, U.N.O.

GN-6: GLAZE ALL OPENINGS IN FRAMES, U.N.O.

GN-7: ALL GLAZING SHALL BE SAFETY GLASS, U.N.O.

FRAMED OPENINGS INDICATOR

(SF XX.X) XX" — FRAME TYPE, FRAME NO., FRAME DEPTH

CW = CURTAIN WALL
LVR = LOUVER
HM = HOLLOW METAL
SF = STOREFRONT (INTERIOR)
SX = STOREFRONT (EXTERIOR)
WN = WINDOW

GLAZING / PANEL LEGEND

GL-1 = 1/4" TEMPERED CLEAR W/ SAFETY FILM

DOOR SCHEDULE INDICATORS

DOOR TYPES:
F - FLUSH
SF - STOREFRONT
NT - NARROW LITE

MATERIAL / FINISH LEGEND:
AL - ALUMINUM (SF/ CW)
HM - HOLLOW METAL
WD - WOOD SOLID CORE

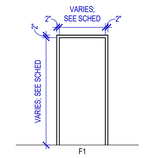
ADDITIONAL ABBREVIATIONS
AO - AUTO OPERATOR
CR - CARD READER

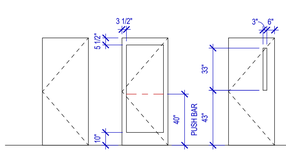
SF - STOREFRONT

DOOR SCHEDULE & SIGNAGE GENERAL NOTES

GN-1: ALL HOLLOW METAL DOOR FRAMES IN MASONRY OR CONCRETE WALLS SHALL BE GROUTED SOLID. BITUMINOUS COATING SHALL BE APPLIED TO BACK SIDE OF FRAMES BEFORE GROUTING.

GN-2: SEE SPECIFICATIONS FOR DOOR HARDWARE SETS. DOOR LOCKING HARDWARE SHALL BE "KEYED" TO OWNER'S STANDARD. CONTRACTOR TO COORDINATE WITH OWNER AND DOOR LOCKING HARDWARE MANUFACTURER.



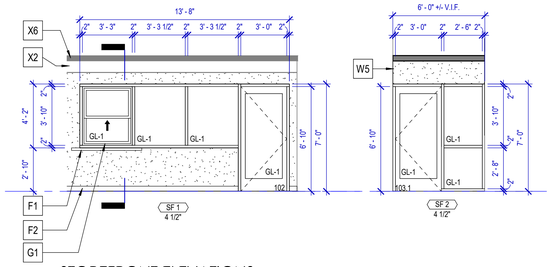


FRAME ELEVATION TYPES

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

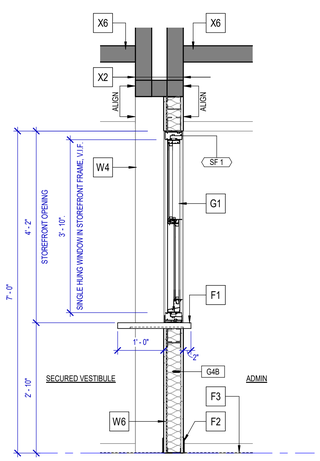
DOOR ELEVATION TYPES

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



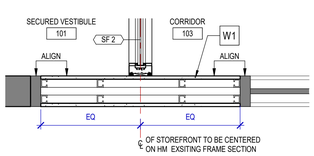
STOREFRONT ELEVATIONS

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



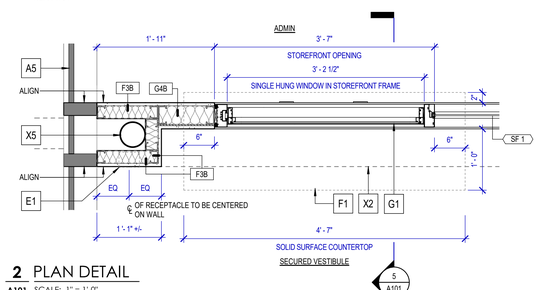
5 SECTION

A101 SCALE: 3/4" = 1'-0"
REF: A101



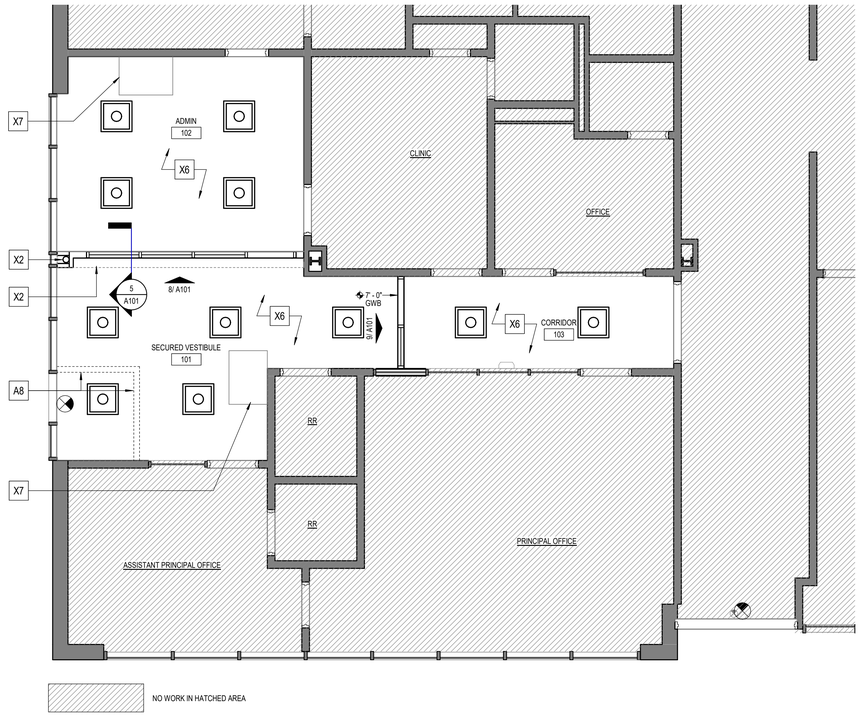
3 PLAN DETAIL

A101 SCALE: 1" = 1'-0"
REF: A101



2 PLAN DETAIL

A101 SCALE: 1" = 1'-0"
REF: A101

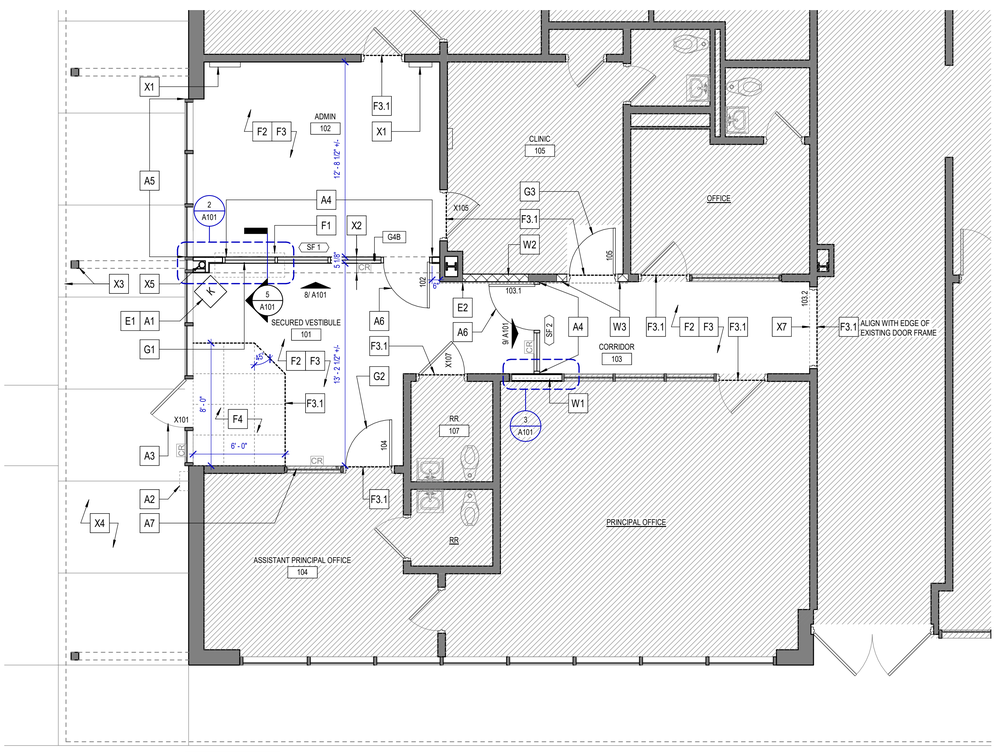


4 REFLECTED CEILING PLAN

A101 SCALE: 1/4" = 1'-0"
REF: A101

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS MATL	WALLS FINISH	CEILING MATL	CEILING FINISH	CEILING HEIGHT	REMARKS
FIRST FLOOR									
101	SECURED VESTIBULE	LVT/CPT*	VINYL	EXIST/GWB	PNT	EXIST	PNT	8'-6"	*WALKOFF CARPET
102	ADMIN	LVT	VINYL	EXIST/GWB	PNT	EXIST	PNT	8'-6"	
103	CORRIDOR	LVT	VINYL	EXIST/GWB	PNT	EXIST	PNT	8'-6"	



1 FLOOR PLAN

A101 SCALE: 1/4" = 1'-0"
REF: A101

FLOOR PLAN GENERAL NOTES

GN-1: DIMENSION GUIDELINES:
- NEW CONSTRUCTION = PLAN DIMENSIONS ARE TO FACE OF FRAMING MEMBERS AT GWB, FACE OF MASONRY, AND CENTERLINE OF STRUCTURAL GRID U.N.O.
- EXISTING CONSTRUCTION = PLAN DIMENSIONS ARE TO FACE OF FINISH OF EXISTING WALLS TO REMAIN U.N.O.
- PLUMBING FIXTURES = PLAN DIMENSIONS ARE FROM FACE OF FINISH (GWB, TILE, ETC) TO CENTERLINE OF FIXTURE.
- "CLEAR" = DIMENSIONS ARE TO FACE OF FINISH (GWB, TILE, ETC).

GN-2: WHERE PARTITIONS OF DIFFERENT THICKNESSES ABUT OR ADJOIN IN THE SAME LOCATION, THE EXPOSED / FINISH FACES SHALL BE INSTALLED FLUSH / ALIGNED.

GN-3: SEE LIFE SAFETY PLANS FOR FIRE EXTINGUISHER CABINET LOCATIONS.

GN-4: ALL EXISTING & NEW WALLS & CEILINGS IN AREA OF WORK ARE TO BE PAINTED TO MATCH EXISTING.

GN-5: PATCH & REPAIR CEILING WHERE EXISTING 2X4 LIGHT FIXTURES HAVE BEEN REMOVED.

XX KEYNOTES

A1: NEW LOCATION FOR EXISTING SECURITY KIOSK - SEE ELECTRICAL DRAWINGS FOR POWER & DATA REQUIREMENTS.

A2: NEW LOCATION FOR EXISTING AI-PHONE - SEE ELECTRICAL DRAWINGS FOR POWER & DATA REQUIREMENTS.

A3: PROVIDE NEW ACCESS HARDWARE AT EXISTING STOREFRONT DOOR TO REMAIN. SEE DOOR SCHEDULE & SPECS - SEE ELECTRICAL DRAWINGS FOR POWER & DATA REQUIREMENTS.

A4: PROVIDE SAFETY FILM AT NEW STOREFRONT SYSTEM.

A5: PROVIDE SAFETY FILM AT EXISTING STOREFRONT AT ADMIN.

A6: PROVIDE ACCESS HARDWARE AT NEW STOREFRONT DOOR. SEE DOOR SCHEDULE & SPECS - SEE ELECTRICAL DRAWINGS FOR POWER & DATA REQUIREMENTS.

A7: PROVIDE SAFETY FILM AT EXISTING HOLLOW METAL WINDOW TO REMAIN.

A8: PATCH & REPAIR GWB CEILING AS REQUIRED WHERE EXISTING STOREFRONT SYSTEM HAS BEEN REMOVED.

E1: PROVIDE NEW POWER & DATA FOR EXISTING SECURITY KIOSK. - SEE ELECTRICAL DRAWINGS.

E2: RELOCATE EXISTING PANDUIT RACEWAY ABOVE NEW STOREFRONT (SF2) & HM FRAME (105)

F1: NEW SOLID SURFACE TRANSACTION COUNTER w/ 2" BUILT UP EDGE. PROVIDE CONCEALED FLAT COUNTERTOP BRACKETS AS REQUIRED. ROUTE BOTTOM OF SOLID SURFACE SO THAT BRACKETS SIT FLISH WITH BOTTOM OF COUNTER SURFACE.

F2: PROVIDE NEW VINYL WALL BASE THROUGHOUT.

F3: PROVIDE NEW LVT THROUGHOUT.

F3.1: PROVIDE VINYL TRANSITION STRIP WHERE NEW LVT MEETS EXISTING CARPET, CONCRETE, OR TILE. TRANSITION STRIP IS TO BE LOCATED AT THE CENTERLINE OF THE DOOR LEAF(WHERE APPLICABLE), U.N.O.COORDINATE WITH DEMO PLAN.

F4: PROVIDE NEW WALK-OFF CARPET TILE. ALIGN WITH LVT JOINTS. PROVIDE VINYL & REDUCERS BETWEEN CARPET TILE & LVT.

G1: NEW SINGLE-HUNG TRANSACTION WINDOW w/ SAFETY FILM IN ALUMINUM STOREFRONT FRAME. SEE STOREFRONT ELEVATIONS.

G2: PROVIDE NEW DOOR IN EXISTING HOLLOW METAL FRAME.

G3: PROVIDE NEW DOOR INTO CLINIC.

W1: PROVIDE WALL INFILL WHERE GLAZING HAS BEEN REMOVED IN HOLLOW METAL FRAME WINDOW SYSTEM (THIS SECTION ONLY - REST OF HOLLOW METAL FRAME TO REMAIN.) INFILL WITH 5/8" GWB ON METAL STUDS AS REQUIRED. GWB IS TO BE FLUSH WITH EXISTING HOLLOW METAL FRAME.

W2: PROVIDE WALL INFILL IN KIND WHERE MAILBOXES HAVE BEEN REMOVED.

W3: TOOTH-IN CMU W/ HALF & FULL BLOCKS, GROUT OPEN CELLS.

W4: GWB WALL BEYOND.

W5: NEW GWB BULKHEAD ABOVE NEW STOREFRONT SYSTEM, PAINT.

W6: 1/4" KEVLAR UP TO BOTTOM BOTTOM OF STOREFRONT SYSTEM.

X1: EXISTING ELECTRICAL EQUIPMENT TO REMAIN.

X2: EXISTING BULKHEAD ABOVE TO REMAIN.

X3: EXISTING CANOPY & CANOPY STRUCTURE TO REMAIN.

X4: EXISTING CONCRETE WALKWAY TO REMAIN.

X5: EXISTING STRUCTURE TO REMAIN.

X6: EXISTING GWB CEILING TO REMAIN - PAINT.

X7: EXISTING FRAME TO REMAIN. PATCH & REPAIR FRAME FROM WHERE DOOR & HARDWARE HAVE BEEN REMOVED - PAINT.

X8: EXISTING CEILING MOUNTED MINI-SPLIT SYSTEM TO REMAIN.

REFLECTED CEILING PLAN LEGEND

EXISTING GWB CEILING - PAINTED

2X2 LIGHT FIXTURE, RE: ELEC

EXIT SIGN, RE: ELEC

ABOVE FINISH FLOOR (A.F.F.)

FLOOR PLAN WALL LEGEND

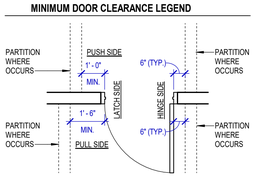
EXISTING WALLS TO REMAIN

NEW WALLS TO BE CONSTRUCTED

EXISTING DOOR

101 NEW DOOR

MINIMUM DOOR CLEARANCE LEGEND



ANSI 117.1 2009 / ADASAD 2010 FIG. 404.2.3.2 (A1) (B)
WHERE LATCH SIDE OF DOORWAYS ARE LOCATED ADJACENT TO A PERPENDICULAR PARTITION AND NOT OTHERWISE DIMENSIONED:

- PUSH SIDE - PROVIDE 1'-0" MIN. CLEAR BETWEEN INSIDE EDGE OF FRAME OPENING AND FINISH FACE OF ADJACENT PARTITION.
- PULL SIDE - PROVIDE 1'-6" MIN. CLEAR BETWEEN INSIDE EDGE OF FRAME OPENING AND FINISH FACE OF ADJACENT PARTITION.

0 2" 4" 8"
SCALE: 1/4" = 1'-0"

SPECTRUM DESIGN
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RENOVATIONS TO
HURT PARK ELEMENTARY SCHOOL SECURED VESTIBULE
ROANOKE CITY PUBLIC SCHOOLS

VA DOE NO.: #124-42-00-102
SPECTRUM DESIGN PROJECT NO.: **22082**

COMMONWEALTH OF VIRGINIA
DAVID C. VENABLE
Lic. No. 8832
11.04.2022
ARCHITECT

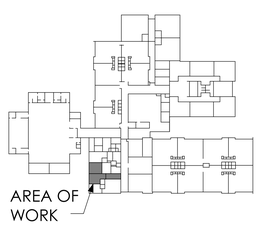
PROJ. MGR.: **DCV** CHECKED BY: **DCV** DRAWN BY: **TLW**

SHEET ISSUE DATE:
11.04.2022

PROJECT PHASE:
CONSTRUCTION DOCUMENTS

SHEET REVISIONS:

KEY PLAN:



PLAN NORTH N SITE NORTH

SHEET NAME:
FLOOR PLAN, RCP, PARTITION TYPES, DETAILS, SF ELEVS & DOOR SCHEDS

SHEET NUMBER:
A101

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SECTION 01 73 10 - CUTTING AND PATCHING

PART 1 - GENERAL
1.1 DEFINITIONS
A. CUTTING: REMOVAL OF IN-PLACE CONSTRUCTION NECESSARY TO PERMIT INSTALLATION OR PERFORMANCE OF OTHER WORK.
B. PATCHING: FITTING AND REPAIR WORK REQUIRED TO RESTORE SURFACES TO ORIGINAL CONDITIONS AFTER INSTALLATION OF OTHER WORK.

PART 2 - PRODUCTS
2.1 MATERIALS
A. GENERAL: USE MATERIALS IDENTICAL TO IN-PLACE MATERIALS. FOR EXPOSED SURFACES, USE MATERIALS THAT VISUALLY MATCH IN-PLACE ADJACENT SURFACES TO THE FULLEST EXTENT POSSIBLE.

PART 3 - EXECUTION
3.1 PREPARATION
A. TEMPORARY SUPPORT: PROVIDE TEMPORARY SUPPORT OF WORK TO BE CUT.
B. PROTECTION: PROTECT IN-PLACE CONSTRUCTION DURING CUTTING AND PATCHING TO PREVENT DAMAGE. PROVIDE PROTECTION FROM ADVERSE WEATHER CONDITIONS FOR PORTIONS OF PROJECT THAT MIGHT BE EXPOSED DURING CUTTING AND PATCHING OPERATIONS.
3.2 PERFORMANCE
A. CUT IN-PLACE CONSTRUCTION TO PROVIDE FOR INSTALLATION OF OTHER COMPONENTS OR PERFORMANCE OF OTHER CONSTRUCTION, AND SUBSEQUENTLY PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.
B. CUTTING: CUT IN-PLACE CONSTRUCTION BY SAWING, DRILLING, BREAKING, CHIPPING, GRINDING, AND SIMILAR OPERATIONS, INCLUDING EXCAVATION, USING METHODS LEAST LIKELY TO DAMAGE ELEMENTS RETAINED OR ADJOINING CONSTRUCTION. IF POSSIBLE, REVIEW PROPOSED PROCEDURES WITH ORIGINAL INSTALLER; COMPLY WITH ORIGINAL INSTALLER'S WRITTEN RECOMMENDATIONS.
C. PATCHING: PATCH CONSTRUCTION BY FILLING, REPAIRING, REFINISHING, CLOSING UP, AND SIMILAR OPERATIONS FOLLOWING PERFORMANCE OF OTHER WORK. PATCH WITH DURABLE SEAMS THAT ARE AS INVISIBLE AS POSSIBLE. PROVIDE MATERIALS AND COMPLY WITH INSTALLATION REQUIREMENTS SPECIFIED IN OTHER SECTIONS.
D. CLEANING: CLEAN AREAS AND SPACES WHERE CUTTING AND PATCHING ARE PERFORMED. COMPLETELY REMOVE PAINT, MORTAR, OILS, PUTTY, AND SIMILAR MATERIALS.

END OF SECTION

SECTION 04 20 00 - UNIT MASONRY

PART 1 - GENERAL
1.1 REFERENCES
A. ACI 530 – BUILDING CODE FOR MASONRY STRUCTURES.
1.2 SUMMARY
A. THIS SECTION INCLUDES UNIT MASONRY ASSEMBLIES CONSISTING OF THE FOLLOWING:
1. CONCRETE MASONRY UNITS (CMUS).
2. MORTAR AND GROUT.

PART 2 - PRODUCTS
2.1 CONCRETE MASONRY UNITS (CMUS)
A. SHAPES: PROVIDE SHAPES INDICATED AND AS FOLLOWS:
1. PROVIDE SPECIAL SHAPES FOR LINTELS, CORNERS, JAMBS, SASHES, MOVEMENT JOINTS, HEADERS, BONDING, AND OTHER SPECIAL CONDITIONS.
2. PROVIDE BULLNOSE UNITS FOR OUTSIDE CORNERS, UNLESS OTHERWISE INDICATED.
B. CONCRETE MASONRY UNITS: ASTM C 90.
1. WEIGHT CLASSIFICATION: LIGHTWEIGHT, UNLESS OTHERWISE INDICATED.
2. SIZE (WIDTH): MANUFACTURED TO DIMENSIONS 3/8 INCH LESS THAN NOMINAL DIMENSIONS.
2.2 REINFORCEMENT
A. UNCOATED STEEL REINFORCING BARS: ASTM A 615/A 615M OR ASTM A 996/A 996M, GRADE 60.
B. MASONRY JOINT REINFORCEMENT, GENERAL: ASTM A 951.
2.3 MORTAR
A. MORTAR FOR UNIT MASONRY: COMPLY WITH ASTM C 270 BIA TECHNICAL NOTES 8A, PROPERTY SPECIFICATION. PROVIDE THE FOLLOWING TYPES OF MORTAR FOR APPLICATIONS STATED UNLESS ANOTHER TYPE IS INDICATED OR NEEDED TO PROVIDE REQUIRED COMPRESSIVE STRENGTH OF MASONRY. FOR INTERIOR LOAD-BEARING AND NON-LOADBEARING WALLS, USE TYPE N.

PART 3 - EXECUTION
3.1 MORTAR BEDDING AND JOINTING
A. LAY HOLLOW CONCRETE MASONRY UNITS WITH FACE SHELLS FULLY BEDDED IN MORTAR AND WITH HEAD JOINTS OF DEPTH EQUAL TO BED JOINTS.
3.2 REPAIRING, POINTING, AND CLEANING
A. REMOVE AND REPLACE MASONRY UNITS THAT ARE LOOSE, CHIPPED, BROKEN, STAINED, OR OTHERWISE DAMAGED OR THAT DO NOT MATCH ADJOINING UNITS.
B. POINT UP JOINTS, INCLUDING CORNERS, OPENINGS, AND ADJACENT CONSTRUCTION, TO PROVIDE A NEAT, UNIFORM APPEARANCE. PREPARE JOINTS FOR SEALANT APPLICATION, WHERE INDICATED.
C. CLEAN UNIT MASONRY AS WORK PROGRESSES BY DRY BRUSHING TO REMOVE MORTAR FINS AND SMEARS BEFORE TOOLING JOINTS. AFTER MORTAR IS THOROUGHLY SET AND CURED, CLEAN EXPOSED MASONRY BY HAND WITH WOODEN PADDLES AND NONMETALLIC SCRAPE HOES OR CHISELS. FINALLY CLEAN MASONRY WITH A PROPRIETARY CLEANER APPLIED ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

END OF SECTION

SECTION 06 41 00 - INTERIOR ARCHITECTURAL WOODWORK

PART 1 - GENERAL
1.1 SUMMARY
A. THIS SECTION INCLUDES THE FOLLOWING:
1. SOLID-SURFACE COUNTERTOP.
1.2 REFERENCES
A. ARCHITECTURAL WOODWORK STANDARDS, EDITION 2, 2016, ARCHITECTURAL WOODWORK INSTITUTE (AWI)

PART 2 - PRODUCTS
2.1 MATERIALS
A. GENERAL: PROVIDE MATERIALS THAT COMPLY WITH REQUIREMENTS OF THE AWI QUALITY STANDARD FOR EACH TYPE OF WOODWORK AND QUALITY GRADE INDICATED
B. WOOD MATERIALS:
1. EXPOSED FACE AND VENEER LUMBER:
a. GRADED IN ACCORDANCE WITH AWI FOR GRADE OF WORK SPECIFIED.
b. MAPLE OR WHITE BIRCH.
c. PLAIN SAWN
d. OF QUALITY SUITABLE FOR TRANSPARENT FINISH IN COMPLIANCE WITH CUSTOM GRADE STANDARDS.
e. BOOK MATCHED UNLESS OTHERWISE NOTED.
2. PLYWOOD:
a. VENEER CORE ALL HARDWOOD.
b. GRADED IN ACCORDANCE WITH AWI FOR GRADE OF WORK SPECIFIED.
C. SOLID-SURFACING MATERIAL: HOMOGENEOUS SOLID SHEETS OF FILLED PLASTIC RESIN COMPLYING WITH ISSFA-2.
1. AVAILABLE MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
A) DU PONT DE NEMOURS AND COMPANY.
B) FORMICA CORPORATION.
C) WILSONART INTERNATIONAL; DIV. OF PREMARK INTERNATIONAL, INC.
2. COLORS AND PATTERNS: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
D. COUNTERTOPS
1. QUALITY STANDARD: COMPLY WITH AWI SECTION 400 REQUIREMENTS FOR COUNTERTOPS. GRADE: CUSTOM.

PART 3 - EXECUTION
3.1 PREPARATION
A. CONDITION WOODWORK TO AVERAGE PREVAILING HUMIDITY CONDITIONS IN INSTALLATION AREAS BEFORE INSTALLING.
B. BEFORE INSTALLING ARCHITECTURAL WOODWORK, EXAMINE SHOP-FABRICATED WORK FOR COMPLETION AND COMPLETE WORK AS REQUIRED, INCLUDING BACK PRIMING AND REMOVAL OF PACKING.
3.2 INSTALLATION
A. QUALITY STANDARD: INSTALL WOODWORK TO COMPLY WITH AWI SECTION 1700.
B. INSTALL WOODWORK PLUMB, LEVEL, TRUE, AND STRAIGHT WITH NO DISTORTIONS. SHIM AS REQUIRED WITH CONCEALED SHIMS. INSTALL TO A TOLERANCE OF 1/8 INCH IN 96 INCHES FOR PLUMB AND LEVEL (INCLUDING TOPS).

END OF SECTION

SECTION 08 11 13 - HOLLOW METAL FRAMES

PART 1 - GENERAL
1.1 DEFINITIONS
A. STANDARD HOLLOW METAL WORK: HOLLOW METAL WORK FABRICATED ACCORDING TO ANSI/SDI A250.8.
1.2 SUBMITTALS
A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED. INCLUDE CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, CORE DESCRIPTIONS, FIRE-RESISTANCE RATING, AND FINISHES.
B. SHOP DRAWINGS: INCLUDE ELEVATIONS, DETAILS INCLUDING METAL THICKNESSES, DIMENSIONS, CONDUIT AND PREPARATIONS FOR POWER AND CONTROL SYSTEMS.

PART 2 - PRODUCTS
2.1 MANUFACTURERS
A. MANUFACTURERS:
1. AMWELD BUILDING PRODUCTS, LLC.
2. BENCHMARK; A DIVISION OF THERMA-TRU CORPORATION.
3. CECO DOOR PRODUCTS; AN ASSA ABLOY GROUP COMPANY.
4. CURRIES COMPANY; AN ASSA ABLOY GROUP COMPANY.
5. STEELCRAFT; AN INGERSOLL-RAND COMPANY.

2.2 MATERIALS
A. COLD-ROLLED STEEL SHEET: ASTM A 1008/A 1008M, COMMERCIAL STEEL (CS), TYPE B; SUITABLE FOR EXPOSED APPLICATIONS.
2.3 STANDARD HOLLOW METAL FRAMES
A. INTERIOR FRAMES: FABRICATED FROM COLD-ROLLED STEEL SHEET.
1. FABRICATE FRAMES WITH MITERED OR COPED CORNERS.
2. FABRICATE FRAMES AS KNOCKED DOWN OR FACE WELDED UNLESS OTHERWISE INDICATED.
3. FRAMES FOR WOOD DOORS AND BORROWED LIGHTS: 0.053-INCH- THICK STEEL SHEET.
STEEL FINISHES
B. PRIME FINISH: APPLY MANUFACTURER'S STANDARD PRIMER IMMEDIATELY AFTER CLEANING AND PRETREATING.

PART 3 - EXECUTION
3.1 INSTALLATION
A. GENERAL: INSTALL HOLLOW METAL WORK PLUMB, RIGID, PROPERLY ALIGNED, AND SECURELY FASTENED IN PLACE; COMPLY WITH DRAWINGS AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
B. HOLLOW METAL FRAMES: INSTALL HOLLOW METAL FRAMES OF SIZE AND PROFILE INDICATED. COMPLY WITH ANSI/SDI A250.11.

END OF SECTION

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SECTION 08 21 13 - FLUSH WOOD DOORS

PART 1 - GENERAL
1.1 SUBMITTALS
A. PROVIDE PRODUCT DATA AND SHOP DRAWINGS FOR EACH TYPE OF DOOR INDICATED. INCLUDE DETAILS OF CORE AND EDGE CONSTRUCTION, LOUVERS, AND TRIM FOR OPENINGS. INCLUDE FACTORY-FINISHING SPECIFICATIONS. INDICATE LOCATION, SIZE, AND HAND OF EACH DOOR; ELEVATION OF EACH KIND OF DOOR; CONSTRUCTION DETAILS NOT COVERED IN PRODUCT DATA; LOCATION AND EXTENT OF HARDWARE BLOCKING; AND OTHER PERTINENT DATA.
B. INDICATE DIMENSIONS AND LOCATIONS OF MORTISES AND HOLES FOR HARDWARE.
1. INDICATE DIMENSIONS AND LOCATIONS OF CUTOUTS.
2. INDICATE REQUIREMENTS FOR VENEER MATCHING.
3. INDICATE DOORS TO BE FACTORY FINISHED AND FINISH REQUIREMENTS.
4. INDICATE FIRE-PROTECTION RATINGS FOR FIRE-RATED DOORS.
C. PROVIDE SAMPLES OF FACTORY FINISHES APPLIED TO ACTUAL DOOR FACE MATERIALS, APPROXIMATELY 8 BY 10 INCHES, FOR EACH MATERIAL AND FINISH.
1.2 WARRANTY
A. WARRANTY PERIOD FOR SOLID-CORE INTERIOR DOORS: LIFE OF INSTALLATION.

PART 2 - PRODUCTS
2.1 MANUFACTURERS
1. ALGOMA HARDWOODS, INC.
2. EGGERS INDUSTRIES.
3. GRAHAM.
4. MARSHFIELD DOOR SYSTEMS, INC.
5. VT INDUSTRIES INC.
2.2 DOOR CONSTRUCTION
A. WDMA I.S.1-A PERFORMANCE GRADE: HEAVY DUTY UNLESS OTHERWISE INDICATED.
B. PARTICLEBOARD-CORE DOORS:
1. PARTICLEBOARD: ANSI A208.1, GRADE LD-2.
2. BLOCKING: PROVIDE WOOD 5-INCH TOP-RAIL BLOCKING IN DOORS INDICATED TO HAVE CLOSERS.
2.3 VENEERED-FACED DOORS FOR TRANSPARENT FINISH
A. INTERIOR SOLID-CORE DOORS: GRADE: PREMIUM, WITH GRADE A FACES.
B. SPECIES TO BE: SELECT WHITE MAPLE.
C. WOOD BEADS FOR LIGHT OPENINGS.

PART 3 - EXECUTION
3.1 INSTALLATION
A. INSTALLATION INSTRUCTIONS: INSTALL DOORS TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND THE REFERENCED QUALITY STANDARD, AND AS INDICATED.
3.2 ADJUSTING
A. OPERATION: REHANG OR REPLACE DOORS THAT DO NOT SWING OR OPERATE FREELY.

END OF SECTION

SECTION 08 41 13 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

PART 1 - GENERAL
1.1 SUMMARY
A. THIS SECTION INCLUDES EXTERIOR AND INTERIOR ALUMINUM-FRAMED STOREFRONTS.
1.2 SUBMITTALS
A. PRODUCT DATA: INCLUDE CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, DIMENSIONS OF INDIVIDUAL COMPONENTS AND PROFILES, AND FINISHES FOR EACH TYPE OF PRODUCT INDICATED.
B. SHOP DRAWINGS: FOR ALUMINUM-FRAMED SYSTEMS. INCLUDE PLANS, ELEVATIONS, SECTIONS, DETAILS, AND ATTACHMENTS TO OTHER WORK.
1.3 WARRANTY
A. SPECIAL FINISH WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR OR REPLACE COMPONENTS ON WHICH FINISHES FAIL WITHIN SPECIFIED WARRANTY PERIOD. WARRANTY DOES NOT INCLUDE NORMAL WEATHERING.
1. WARRANTY PERIOD: 10 YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

PART 2 - PRODUCTS
2.1 MANUFACTURERS
A. BASIS-OF-DESIGN PRODUCT - STOREFRONT: CENTER GLAZED, 2" X 4 ½" NON-THERMAL SYSTEM INTERIOR FRAMES, AS MANUFACTURED BY:
1. KAWNEER - 450 (BASIS OF DESIGN)
2. EFCO
3. VISTAWALL ARCHITECTURAL PRODUCTS
4. YKK AP AMERICA INC.
2.2 MATERIALS
A. ALUMINUM: ALLOY AND TEMPER RECOMMENDED BY MANUFACTURER FOR TYPE OF USE AND FINISH INDICATED.
1. SHEET AND PLATE: ASTM B209
2. EXTRUDED BARS, RODS, PROFILES, AND TUBES: ASTM B 221
3. EXTRUDED STRUCTURAL PIPE AND TUBES: ASTM B 429
4. STRUCTURAL PROFILES: ASTM B 308/B 308M
2.3 DOORS
A. DOORS: MANUFACTURER'S STANDARD GLAZED DOORS, FOR MANUAL SWING OPERATION.
1. DOOR CONSTRUCTION: 1 ¾" THICKNESS WITH A MINIMUM WALL THICKNESS OF 0.125", EXTRUDED-ALUMINUM TUBULAR RAIL AND STILE MEMBERS. MECHANICALLY FASTEN CORNERS WITH REINFORCING BRACKETS THAT ARE DEEP PENETRATION AND FILLET WELDED OR THAT INCORPORATE CONCEALED TIE RODS. COORDINATE DOOR DESIGN WITH HARDWARE REQUIREMENTS. NARROW STILE DOORS MAY NOT BE ABLE TO ACCOMMODATE SOME EXIT DEVICES.
2.4 DOOR HARDWARE
A. GENERAL: PROVIDE HEAVY-DUTY UNITS IN SIZES AND TYPES RECOMMENDED BY ENTRANCE SYSTEM AND HARDWARE MANUFACTURERS FOR ENTRANCES AND USES INDICATED.
B. SCHEDULED DOOR HARDWARE: PROVIDE DOOR HARDWARE ACCORDING TO THE DOOR HARDWARE AS SCHEDULED IN DIVISION 8 SECTION "DOOR HARDWARE" UNLESS NOTED OTHERWISE.
C. PUSHES AND PULLS: 1" DIA., BRUSHED ALUMINUM.
D. WEATHER STRIPPING: MANUFACTURER'S STANDARD REPLACEABLE COMPONENTS, WHERE INDICATED IN THE DOOR HARDWARE SCHEDULE.
E. WEATHER SWEEPS: MANUFACTURER'S STANDARD EXTERIOR-DOOR BOTTOM SWEEP WITH CONCEALED FASTENERS ON MOUNTING STRIP, FINISH SHALL MATCH DOOR.
2.5 ALUMINUM FINISHES
A. GENERAL: COMPLY WITH NAAMM'S "METAL FINISHES MANUAL FOR ARCHITECTURAL AND METAL PRODUCTS" FOR RECOMMENDATIONS FOR APPLYING AND DESIGNATING FINISHES.
B. FINISH DESIGNATIONS PREFIXED BY AA COMPLY WITH THE SYSTEM ESTABLISHED BY THE ALUMINUM ASSOCIATION FOR DESIGNATING ALUMINUM FINISHES.
C. FINISH SELECTION: KYNAR 500.

PART 3 - EXECUTION
3.1 EXAMINATION
A. EXAMINE AREAS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF WORK. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
3.2 INSTALLATION
A. GENERAL:
1. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. FIT JOINTS TO PRODUCE HAIRLINE JOINTS FREE OF BURRS AND DISTORTION.
3. RIGIDLY SECURE NONMOVEMENT JOINTS.
4. INSTALL ANCHORS WITH SEPARATORS AND ISOLATORS TO PREVENT METAL CORROSION AND ELECTROLYTIC DETERIORATION.
5. SEAL JOINTS WATERTIGHT, UNLESS OTHERWISE INDICATED.
3.3 ADJUSTING
A. ENTRANCES: ADJUST OPERATING HARDWARE FOR SMOOTH OPERATION ACCORDING TO HARDWARE MANUFACTURERS' WRITTEN INSTRUCTIONS.

END OF SECTION

SECTION 08 71 00 - DOOR HARDWARE

PART 1 - GENERAL
1.1 SUMMARY: SECTION INCLUDES: FINISH HARDWARE FOR DOOR OPENINGS
1.2 REFERENCES:
A. COMPLY WITH APPLICABLE REQUIREMENTS OF THE FOLLOWING STANDARDS. WHERE THESE STANDARDS CONFLICT WITH OTHER SPECIFIC REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN.
1. BUILDERS HARDWARE MANUFACTURING ASSOCIATION (BHMA)
2. NFPA 101 LIFE SAFETY CODE
3. NFPA 80 -FIRE DOORS AND WINDOWS
4. ANSI-A156.XX- VARIOUS PERFORMANCE STANDARDS FOR FINISH HARDWARE
5. UL10C – POSITIVE PRESSURE FIRE TEST OF DOOR ASSEMBLIES
6. ANSI-A117.1 – ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
7. DHI /ANSI A115.IG – INSTALLATION GUIDE FOR DOORS AND HARDWARE
8. ICC – INTERNATIONAL BUILDING CODE
1.3 SUBMITTALS:
A. PRODUCT DATA: MANUFACTURER'S SPECIFICATIONS AND TECHNICAL DATA INCLUDING THE FOLLOWING:
1. DETAILED SPECIFICATION OF CONSTRUCTION AND FABRICATION.
2. MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. WIRING DIAGRAMS FOR EACH ELECTRIC PRODUCT SPECIFIED. COORDINATE VOLTAGE WITH ELECTRICAL BEFORE SUBMITTING.
4. CATALOG CUTS WITH HARDWARE SCHEDULE.
B. SHOP DRAWINGS - HARDWARE SCHEDULE:
1. LIST GROUPS AND SUFFIXES IN PROPER SEQUENCE.
2. COMPLETELY DESCRIBE DOOR AND LIST ARCHITECTURAL DOOR NUMBER.
3. MANUFACTURER, PRODUCT NAME, AND CATALOG NUMBER.
4. FUNCTION, TYPE, AND STYLE.
5. SIZE AND FINISH OF EACH ITEM.
6. MOUNTING HEIGHTS.
7. EXPLANATION OF ABBREVIATIONS AND SYMBOLS USED WITHIN SCHEDULE.
8. DETAILED WIRING DIAGRAMS, SPECIALLY DEVELOPED FOR EACH OPENING, INDICATING ALL ELECTRIC HARDWARE, SECURITY EQUIPMENT AND ACCESS CONTROL EQUIPMENT, AND DOOR AND FRAME ROUGH-INS REQUIRED FOR SPECIFIC OPENING.
C. TEMPLATES: SUBMIT TEMPLATES AND "REVIEWED HARDWARE SCHEDULE" TO DOOR AND FRAME SUPPLIER AND OTHERS AS APPLICABLE TO ENABLE PROPER AND ACCURATE SIZING AND LOCATIONS OF CUTOUTS AND REINFORCING.
1.3 WARRANTY:
A. MANUFACTURER'S WARRANTY:
1. CLOSERS: THIRTY YEARS
2. EXIT DEVICES: FIVE YEARS
3. LOCKSETS & CYLINDERS: THREE YEARS
4. ALL OTHER HARDWARE: TWO YEARS.

PART 2 - PRODUCTS
2.1 MANUFACTURERS:
A. THE FOLLOWING MANUFACTURERS ARE APPROVED SUBJECT TO COMPLIANCE WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.

ITEM:	MANUFACTURER:	APPROVED:
HINGES	STANLEY	BOMMER, MCKINNEY
LOCKSETS	BEST	NO SUBSTITUTE (FACILITY STANDARD)
CYLINDERS	BEST	NO SUBSTITUTE (FACILITY STANDARD)
EXIT DEVICES	PRECISION	VON DUPRIN, SARGENT
CLOSERS	STANLEY D-4550	LCN 4040, NORTON 7500
PUSH/PULL PLATES	TRIMCO	BURNS, ROCKWOOD
PUSH/PULL BARS	TRIMCO	BURNS, ROCKWOOD
PROTECTION PLATES	TRIMCO	BURNS, ROCKWOOD
OVERHEAD STOPS	DORMA	ABH, GLYNN JOHNSON
DOOR STOPS	TRIMCO	BURNS, ROCKWOOD
FLUSH BOLTS	TRIMCO	ABH, BURNS
COORDINATOR & BRACKETS	TRIMCO	ABH, BURNS
THRESHOLD & GASKETING	NATIONAL GUARD	REESE, K.N. CROWDER

2.2 KEYS AND KEYING:
A. PROVIDE KEYED BRASS CONSTRUCTION CORES AND KEYS DURING THE CONSTRUCTION PERIOD. CONSTRUCTION CONTROL AND OPERATING KEYS AND CORE SHALL NOT BE PART OF THE OWNER'S PERMANENT KEYING SYSTEM OR FURNISHED IN THE SAME KEYWAY (OR KEY SECTION) AS THE OWNER'S PERMANENT KEYING SYSTEM. PERMANENT CORES AND KEYS (PREPARED ACCORDING TO THE ACCEPTED KEYING SCHEDULE) WILL BE FURNISHED TO THE OWNER.
B. CYLINDERS, REMOVABLE AND INTERCHANGEABLE CORE SYSTEM: BEST IC SMALL FORMAT 6-PIN.
C. PERMANENT KEYS AND CORES: STAMPED WITH THE APPLICABLE KEY MARK FOR IDENTIFICATION. THESE VISUAL KEY CONTROL MARKS OR CODES WILL NOT INCLUDE THE ACTUAL KEY CUTS. PERMANENT KEYS WILL ALSO BE STAMPED "DO NOT DUPLICATE."
2.3 ACCESS CONTROL
A. ACCESS CONTROL HARDWARE IS TO BE INTEGRATED WITH EXISTING GALAXY SYSTEM ON SITE.
B. ACCESS CONTROL EQUIPMENT IS TO BE INSTALLED BY RCPS' VENDOR KEGLEY ELECTRIC, UNDER THE GENERAL CONTRACT.
C. ACCESS CONTROL EQUIPMENT:

1. RECESSED SWITCH SET	150-T	GRI
2. DUAL POWER SUPPLY ACCESS POWER CONTROLLERS		ALTRONIX
3. REQUEST-TO-EXIT SENSOR	DS160	BOSCH
4. DOOR READER MODULE	635 DRM	GALAXY
5. CONTROL PANEL	635	GALAXY
6. ACCESS CONTROL READERS	7010ABP-BG	IDENTIV

PART 3 - EXECUTION
3.1 HARDWARE LOCATIONS:
A. MOUNT HARDWARE UNITS AT HEIGHTS INDICATED IN THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED OR REQUIRED TO COMPLY WITH THE GOVERNING REGULATIONS.
1. RECOMMENDED LOCATIONS FOR BUILDER'S HARDWARE FOR STANDARD STEEL DOORS AND FRAMES, BY THE DOOR AND HARDWARE INSTITUTE (DHI).
2. RECOMMENDED LOCATIONS FOR ARCHITECTURAL HARDWARE FOR FLUSH WOOD DOORS (DHI).
3. WDMA INDUSTRY STANDARD I.S.-1A-04, INDUSTRY STANDARD FOR ARCHITECTURAL WOOD FLUSH DOORS.
3.1 INSTALLATION:
A. INSTALL EACH HARDWARE ITEM PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. DO NOT INSTALL SURFACE MOUNTED ITEMS UNTIL FINISHES HAVE BEEN COMPLETED ON THE SUBSTRATE. SET UNITS LEVEL, PLUMB AND TRUE TO LINE AND LOCATION. ADJUST AND REINFORCE THE ATTACHMENT SUBSTRATE AS NECESSARY FOR PROPER INSTALLATION AND OPERATION.
B. INSTALL CONFORMING TO ICC/ANSI A117.1 ACCESSIBLE AND USABLE BUILDING AND FACILITIES.
3.2 SCHEDULE OF FINISH HARDWARE:

SET #01

DOOR: X101

(REMOVE EXISTING PULLS, CLOSERS, AND MAGNETIC LOCKS)

1	EXIT DEVICE	2103 CD x 4903D	630	PR
1	RIM CYLINDER	12E-62	626	BE
1	MORTISE CYLINDER	1E-64	626	BE
1	DOOR CLOSER	4551 CS P45-180D P45HD-110 P45HD-112	689	SD
1	DOOR SWEEP	C699A X LAR		NA
1	SADDLE THRESHOLD	425	AL	NA
1	ELECTRIC STRIKE	9600	630	HES
1	ACCESS CONTROL READERS	BY THE ACCESS CONTROL SUPPLIER		
1	REQUEST-TO-EXIT SENSOR	BY THE ACCESS CONTROL SUPPLIER		
1	DOOR POSITION SWITCH	BY THE ACCESS CONTROL SUPPLIER		
1	DESK SWITCH	PD15-2		DM

NOTE: PROVIDE PLATES SIZED TO COVER EXISTING HOLES. CARD READER, DOOR POSITION SWITCH CONTROLLER AND HEAD-IN SOFTWARE TO BE FURNISHED BY THE ACCESS CONTROL SUPPLIER. WIRING FOR THE ELECTRIC STRIKE TO BE COORDINATED WITH THE AIPHONE FURNISHED BY THE OWNER.

SET #2

DOORS: 102, 103.1

3	PIVOTS/HINGE	BY ALUM DOOR MANUFACTURER	AL	
1	CYLINDRICAL LOCKSET	9K3-7AB 14C	626	BE
1	DOOR CLOSER	CLD-4551 CS P45-180D P45HD-110 P45HD-112	689	SD
1	KICK PLATE	K0050 X 10" X 2" LDW X B4E X CSK	630	TR
1	ELECTRIC STRIKE	9600	630	HES
1	ACCESS CONTROL READERS	BY THE ACCESS CONTROL SUPPLIER		
1	REQUEST-TO-EXIT SENSOR	BY THE ACCESS CONTROL SUPPLIER		
1	DOOR POSITION SWITCH	BY THE ACCESS CONTROL SUPPLIER		
1	DESK SWITCH	PD15-2		DM

SET #3

DOOR: 105

3	HINGES	CB168 5 X 4 1/2	US26D	ST
1	ENTRANCE LOCKSET	9K3-7AB14D	626	BE
1	DOOR CLOSER	CLD-4551 X REG. ARM MTD.	689	SD
1	KICK PLATE	K0050 X 10" X 2" LDW X B4E X CSK	630	TR
1	CONCAVE WALL STOP	1270CV	626	TR
1	GASKETING	2525B X LAR		NA

SET #4

DOORS: X105, RESTROOM (REPLACE EXISTING LOCKSET, OTHER EXISTING DOOR AND HARDWARE TO REMAIN)

1	ENTRANCE LOCKSET	9K3-7AB14D	626	BE
1	WRAP AROUND DOOR PLATE		SS	DON-JO

SET #5

DOOR: 104

3	HINGES	CB168 5 X 4 1/2	US26D	ST
1	ENTRANCE LOCKSET	9K3-7AB14D	626	BE
1	DOOR CLOSER	CLD-4551 X REG. ARM MTD.	689	SD
1	KICK PLATE	K0050 X 10" X 2" LDW X B4E X CSK	630	TR
1	CONCAVE WALL STOP	1270CV	626	TR
1	GASKETING	2525B X LAR		NA
1	ELECTRIC STRIKE	9600	630	HES
1	ACCESS CONTROL READERS	BY THE ACCESS CONTROL SUPPLIER		
1	REQUEST-TO-EXIT SENSOR	BY THE ACCESS CONTROL SUPPLIER		
1	DOOR POSITION SWITCH	BY THE ACCESS CONTROL SUPPLIER		

END OF SECTION

SECTION 08 80 00 - GLAZING

PART 1 - GENERAL
1.1 SUMMARY
A. GLASS TYPES:
1. GLASS 1 = 1/4" TEMPERED CLEAR (SAFETY) GLAZING (INTERIOR UNO)

PART 2 - PRODUCTS
2.1 HEAT-TREATED FLOAT GLASS
A. HEAT-TREATED FLOAT GLASS: ASTM C 1048; TYPE I (TRANSPARENT GLASS, FLAT); QUALITY Q3 (GLAZING SELECT); CLASS, KIND, AND CONDITION AS INDICATED IN SCHEDULES AT THE END OF PART 3.

PART 3 - EXECUTION
3.1 GLAZING, GENERAL
A. COMPLY WITH COMBINED WRITTEN INSTRUCTIONS OF MANUFACTURERS OF GLASS, SEALANTS, GASKETS, AND OTHER GLAZING MATERIALS, UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED, INCLUDING THOSE IN REFERENCED GLAZING PUBLICATIONS.
3.2 GLASS SCHEDULE
A. UNCOATED CLEAR FLOAT GLASS (**GLASS 1**): PROVIDE TYPE I (TRANSPARENT GLASS, FLAT), CLASS 1 (CLEAR) GLASS LITES COMPLYING WITH THE FOLLOWING:
1. UNCOATED CLEAR FULLY TEMPERED FLOAT GLASS: KIND FT (FULLY TEMPERED).

END OF SECTION

SECTION 08 86 10 - SECURITY AND SAFETY GLAZING FILM

PART 1 – GENERAL
1.1 SUMMARY
A. THIS SECTION INCLUDES SAFETY GLAZING FILM APPLIED TO GLAZING IN-PLACE.
1.2 SUBMITTALS
A. PRODUCT DATA, INCLUDING CERTIFIED THIRD-PARTY TEST DATA INDICATING COMPLIANCE WITH SPECIFIED REQUIREMENTS, PROVIDER'S RECOMMENDED INSTALLATION PROCEDURES, MAINTENANCE AND CLEANING INSTRUCTIONS.
1.3 WARRANTY
A. PROVIDE PROVIDER'S STANDARD LIMITED WARRANTY, COVERING REPLACEMENT FILM MATERIALS AND FILM INSTALLATION LABOR, AGAINST ADHESIVE FAILURE, FILM DISCOLORATION AND DISTORTION, PEELING OR DELAMINATION, AND ON FILM-PROTECTED UNITS THAT ARE INTENTIONALLY BROKEN, FOR THE LIFE OF THE INSTALLATION.

PART 2 – PRODUCTS
2.1 SECURITY AND SAFETY GLAZING FILM
A. MANUFACTURER: ARMOURED ONE; WEBSITE: HTTP://WWW.ARMOUREDONE.COM/.
B. PRODUCTS: 23 MIL SECURITY FILM. SHOOTER/ATTACK/BOMB RESISTANT SECURITY FILM. PART #: AOTSF23

PART 3 – EXECUTION
3.1 EXAMINATION
A. EXAMINE GLAZING SURFACES TO RECEIVE SECURITY AND SAFETY GLAZING FILM APPLICATION. REPORT CONDITIONS DETRIMENTAL TO APPLICATION OF FILM IN WRITING TO ARCHITECT. DO NOT APPLY FILM TO SUBSTRATES UNTIL APPROVED.
3.2 PREPARATION
A. CLEAN GLASS SUBSTRATES IN ACCORDANCE WITH PROVIDER'S INSTRUCTIONS. TEST SUBSTRATE AFTER CLEANING FOR ADHESION WHEN RECOMMENDED.
3.3 APPLICATION
A. INSTALL SECURITY AND SAFETY GLAZING FILM TO INTERIOR SIDE OF INBOARD GLASS LITE ON GLAZING UNITS INDICATED.
B. APPLY SECURITY AND SAFETY GLAZING FILM IN ACCORDANCE WITH MANUFACTUERER'S RECCOMENDATIONS. APPLY FILM TO PREPARED GLASS SURFACE, ENSURING COMPLETE ADHESION OF FILM.
C. FILM EDGE CONDITION: APPLY FILM WITH EDGE CONDITION INDICATED.
1. APPLY FILM TO DAYLIGHT GLASS OPENING, FROM STOP TO STOP. TRIM FILM NEATLY AT PERIMETER WITHIN 1/8 INCH OF GASKET OR FRAME.
3.4 CLEANING AND PROTECTION
A. CLEAN FILM IN ACCORDANCE WITH PROVIDER'S INSTRUCTIONS. LEAVE FILM AND ADJOINING FINISHES FREE OF FINGERPRINTS, ADHESIVE, OR OTHER SURFACE BLEMISH RESULTING FROM THIS APPLICATION.

END OF SECTION

SECTION 09 29 00 - GYPSUM BOARD ASSEMBLIES

PART 1 - GENERAL
1.1 SUMMARY
A. SECTION INCLUDES METAL STUD WALL FRAMING; METAL CHANNEL CEILING FRAMING; GYPSUM BOARD AND JOINT TREATMENT; GYPSUM SHEATHING; AND ACOUSTIC INSULATION.

PART 2 - PRODUCTS
2.1 GYPSUM BOARD ASSEMBLIES
A. STUDS: ASTM C645; NOMINAL 25-GUAGE; 0.0179" MINIMUM THICKNESS OF BASE METAL FOR INTERIOR ASSEMBLIES EXCEPT 20-GUAGE 0.0328" MINIMUM THICKNESS FOR REINFORCEMENT AT DOOR FRAMES.
1. COATING: ALL MEMBERS SHALL BE GALVANIZED PER ASTM A525 AND ASTM A591.
2. FURRING, FRAMING, AND ACCESSORIES: ASTM C645, GA-216 AND GA-600.
3. FASTENERS: ASTM C514, ASTM C1002 AND GA-216 AS RECOMMENDED BY BOARD MANUFACTURER.
4. ANCHORAGE TO SUBSTRATE: TIE WIRE, NAILS, SCREWS, AND OTHER METAL SUPPORTS, OF TYPE AND SIZE TO SUIT APPLICATION; TO RIGIDLY SECURE MATERIALS IN PLACE.
5. ADHESIVE: ASTM C557, GA-216 AND AS RECOMMENDED BY BOARD MANUFACTURER
B. GYPSUM BOARD MATERIALS:
1. AVAILABLE MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
I. AMERICAN GYPSUM CO.
II. G-P GYPSUM.
III. NATIONAL GYPSUM COMPANY.
IV. USG CORPORATION.
2. STANDARD GYPSUM BOARD: ASTM C36; 5/8 INCH THICK, MAXIMUM AVAILABLE LENGTH IN PLACE; ENDS SQUARE CUT, TAPERED EDGES
2.2 ACCESSORY MATERIALS
A. SOUND BATT INSULATION:
B. TYPE: UNFACED GLASS FIBER ACOUSTICAL INSULATION COMPLYING WITH
C. ASTM C 665, TYPE I.
B. KEVLAR ARMOR PANEL:
1. NIJ LEVEL IIIA / U.L. LEVEL 3.
2. 1/4 IN THICKNESS.
3. WEIGHT: 1.7 LBS PER SQ.FT.

PART 3 - EXECUTION
3.1 INSTALLATION
A. METAL STUD INSTALLATION IN ACCORDANCE WITH ASTM C754, GA-216 AND GA-600.
B. CEILING FRAMING INSTALLATION IN ACCORDANCE WITH ASTM C754.
3.2 JOINT TREATMENT:
1. TAPE, FILL, AND SAND EXPOSED JOINTS, EDGES, AND CORNERS TO PRODUCE SMOOTH SURFACE READY TO RECEIVE FINISHES.
2. FINISH IN ACCORDANCE WITH GA-214 LEVEL 4.

END OF SECTION

SECTION 09 65 19 - RESILIENT FLOOR TILE
PART 1 - GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. LVT FLOOR TILE.
2. RESILIENT BASE.
1.2 SUBMITTALS
A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.
1.3 PROJECT CONDITIONS
A. MAINTAIN AMBIENT TEMPERATURES WITHIN RANGE RECOMMENDED BY MANUFACTURER, BUT NOT LESS THAN 70 DEG F OR MORE THAN 95 DEG F, IN SPACES TO RECEIVE FLOOR TILE.
1.4 EXTRA MATERIALS
A. FURNISH EXTRA MATERIALS THAT MATCH PRODUCTS INSTALLED AND THAT ARE PACKAGED WITH PROTECTIVE COVERING FOR STORAGE AND IDENTIFIED WITH LABELS DESCRIBING CONTENTS.
1. FLOOR TILE (LVT): FURNISH 1 BOX FOR EACH TYPE, COLOR, AND PATTERN OF FLOOR TILE INSTALLED.

PART 2 - PRODUCTS
2.1 LVT VINYL FLOOR TILE
A. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THE FOLLOWING OR APPROVED EQUIVALENT:
1. SHAW CONTRACT – JOY SQUARED (BASIS OF DESIGN)
a. TILE SIZE: 24 IN X 24 IN.
b. WEAR LAYER: 20 MIL.
c. OVERALL THICKNESS: 2.5 MM.
d. CLASS III, TYPE B.
2. COLORS AND PATTERNS: AS SELECTED BY ARCHITECT FROM FULL RANGE OF INDUSTRY COLORS INCLUDING PREMIUM.
3. VINYL TRANSITIONS & REDUCERS:
a. PROVIDE VINYL & REDUCERS BETWEEN LVT & OTHER FLOOR MATERIALS.
2.2 RESILIENT BASE
A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING :
1. ARMSTRONG WORLD INDUSTRIES, INC.
2. FLEXCO, INC.
3. JOHNSONITE.
4. MONDO RUBBER INTERNATIONAL, INC.
5. ROPPE CORPORATION, USA.
PART 3 - EXECUTION
3.1 EXAMINATION
A. EXAMINE SUBSTRATES, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR MAXIMUM MOISTURE CONTENT AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE WORK.
3.2 PREPARATION
A. PREPARE SUBSTRATES ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS TO ENSURE ADHESION OF RESILIENT PRODUCTS.
3.3 FLOOR TILE INSTALLATION
A. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLING FLOOR TILE.
3.4 CLEANING AND PROTECTION
A. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR CLEANING AND PROTECTION OF FLOOR TILE.
B. REMOVE SOIL, VISIBLE ADHESIVE, AND SURFACE BLEMISHES FROM FLOOR TILE SURFACES.

END OF SECTION

SECTION 09 68 00 – CARPET TILE
PART 1 - GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. WALK-OFF CARPET TILE.
1.2 SUBMITTALS
A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.
1.3 PROJECT CONDITIONS
A. MAINTAIN AMBIENT TEMPERATURES WITHIN RANGE RECOMMENDED BY MANUFACTURER, BUT NOT LESS THAN 70 DEG F OR MORE THAN 95 DEG F, IN SPACES TO RECEIVE FLOOR TILE.

PART 2 - PRODUCTS
2.1 CARPET TILE
A. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THE FOLLOWING OR APPROVED EQUIVALENT:
1. PATCRAFT – ON THE RIGHT FOOT (BASIS OF DESIGN)
a. TILE SIZE: 24 IN X 24 IN.
b. YARN WEIGHT: 50.5 OZ/YD2.
c. PILE HEIGHT: 5 MM.
d. CLASS I.
2. COLORS AND PATTERNS: AS SELECTED BY ARCHITECT FROM FULL RANGE OF INDUSTRY COLORS INCLUDING PREMIUM.
3. VINYL TRANSITIONS & REDUCERS:
a. PROVIDE VINYL & REDUCERS BETWEEN CARPET TILE & OTHER FLOOR MATERIALS.

PART 3 - EXECUTION
3.1 EXAMINATION
A. EXAMINE SUBSTRATES, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR MAXIMUM MOISTURE CONTENT AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE WORK.
3.2 PREPARATION
A. PREPARE SUBSTRATES ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS TO ENSURE ADHESION OF RESILIENT PRODUCTS.
3.3 CARPET TILE INSTALLATION
A. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLING CARPET TILE.
B. PATTERN: QUARTER TURN.
3.4 CLEANING AND PROTECTION
A. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR CLEANING AND PROTECTION OF CARPET TILE.

END OF SECTION

SECTION 09 90 00 – PAINTING
PART 1 - GENERAL
1.1 SUMMARY
A. SECTION INCLUDES SURFACE PREPARATION AND FIELD APPLICATION OF PAINTS, STAINS, VARNISHES, AND OTHER COATINGS.
1.2 SUBMITTALS
A. PRODUCT DATA: SUBMIT DATA ON ALL FINISHING PRODUCTS. SUBMIT MANUFACTURER'S TECHNICAL INFORMATION INCLUDING PAINT LABEL ANALYSIS AND APPLICATION INSTRUCTIONS FOR EACH MATERIAL PROPOSED FOR USE.
PART 2 - PRODUCTS
2.1 PAINTS AND COATINGS
A. PROVIDE MATERIALS AS MANUFACTURED BY SHERWIN-WILLIAMS, PPG, DURON, OR BENJAMIN MOORE.
2.1 SCHEDULE
A. INTERIOR PLASTER AND DRYWALL (WALLS):
1. PRIME COAT (NEW WALLS): SW PROMAR 200 ZERO VOC LATEX PRIMER, B28W2600, AT 1.0 MILS DRY, PER COAT.
2. PRIME COAT (EXISTING WALLS): SW MULTIPURPOSE PRIMER B51W00453
3. INTERMEDIATE COAT: PROMAR 200 (ZERO VOC) SEMI-GLOSS B31-2600.
4. TOP COAT: PROMAR 200 (ZERO VOC) SEMI-GLOSS B31-2600.
B. INTERIOR PLASTER AND DRYWALL (CEILINGS AND SOFFITTS):
1. PRIME COAT: PROMAR 200 ZERO VOC LATEX PRIMER, B28W2600.
2. INTERMEDIATE COAT: PROMAR 200 ZERO VOC INTERIOR LATEX FLAT, B30-2600 SERIES.
3. TOP COAT: PROMAR 200 ZERO VOC INTERIOR LATEX FLAT, B30-2600 SERIES.
C. INTERIOR CONCRETE MASONRY, BRICK, AND CONCRETE:
1. FIRST COAT: SERIES: 130 ENVIROFILL HIGH PERFORMANCE BLOCK FILLER.
2. SECOND COAT: SW-DTM ACRYLIC SEMI GLOSS, B66W200 SERIES
3. THIRD COAT: SW-DTM ACRYLIC SEMI GLOSS, B66W200 SERIES
D. HOLLOW METAL DOORS AND FRAMES:
SYSTEM TYPE: HIGH PERFORMANCE FINISH- SEMI-GLOSS
1. PRIME COAT: SW PRO INDUSTRIAL PRO-CRYL UNIVERSAL METAL PRIMER B66-310 SERIES (USE MANUFACTURER'S RECOMMENDATION AT EXISTING DOORS AND FRAMES.
2. INTERMEDIATE COAT: SW PRO INDUSTRIAL ACRYLIC COATING B66-600 (ZERO VOC)
3. TOP COAT: SW PRO INDUSTRIAL ACRYLIC COATING B66-600 (ZERO VOC)

PART 3 EXECUTION
3.1 EXAMINATION
A. APPLICATOR MUST EXAMINE AREAS AND CONDITIONS UNDER WHICH PAINTING WORK IS TO BE APPLIED AND NOTIFY CONTRACTOR IN WRITING OF CONDITIONS DETRIMENTAL TO PROPER AND TIMELY COMPLETION OF WORK. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN A MANNER ACCEPTABLE TO APPLICATOR. STARTING OF PAINTING WORK WILL BE CONSTRUED AS APPLICATOR'S ACCEPTANCE OF SURFACES AND CONDITIONS WITHIN ANY PARTICULAR AREA.
3.2 PREPARATION
A. SURFACE APPURTENANCES: REMOVE OR MASK ELECTRICAL PLATES, HARDWARE, LIGHT FIXTURE TRIM, ESCUTCHEONS, AND FITTINGS PRIOR TO PREPARING SURFACES OR FINISHING.
B. SURFACES: CORRECT DEFECTS AND CLEAN SURFACES THAT AFFECT WORK OF THIS SECTION. REMOVE OR REPAIR EXISTING COATINGS THAT EXHIBIT SURFACE DEFECTS.

END OF SECTION

SPECTRUM DESIGN
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RENOVATIONS TO

HURT PARK ELEMENTARY SCHOOL SECURED VESTIBULE

ROANOKE CITY PUBLIC SCHOOLS

VA DOE NO.: #124-42-00-102
SPECTRUM DESIGN PROJECT NO.: **22082**

COMMONWEALTH OF VIRGINIA
DAVID C. VENABLE
Lic. No. 8832
11.04.2022
ARCHITECT

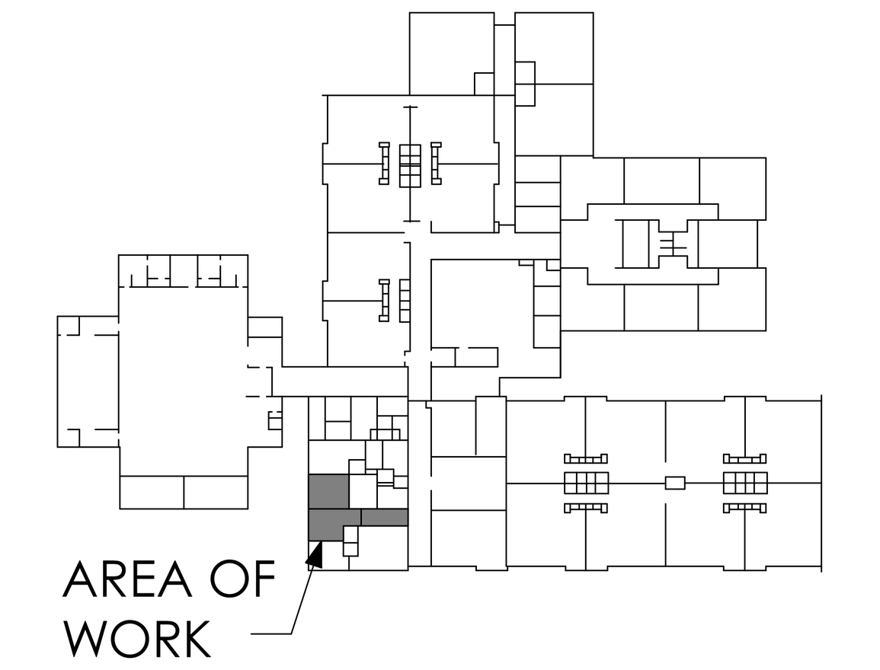
PROJ. MGR.: **DCV** CHECKED BY: **DCV** DRAWN BY: **TLW**

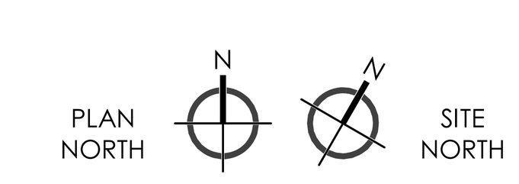
SHEET ISSUE DATE:
11.04.2022

PROJECT PHASE:
CONSTRUCTION DOCUMENTS

SHEET REVISIONS:

KEY PLAN:





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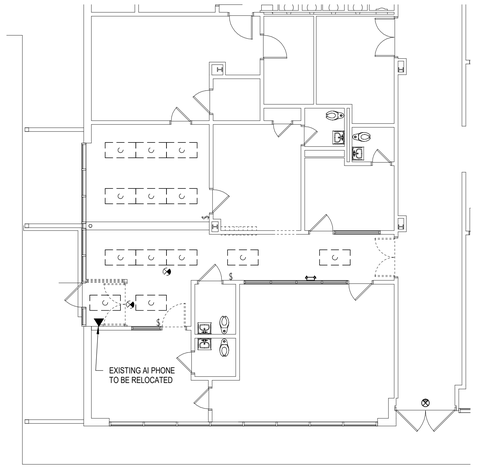
ARCHITECTURAL SPECIFICATIONS

SHEET NUMBER:
A102

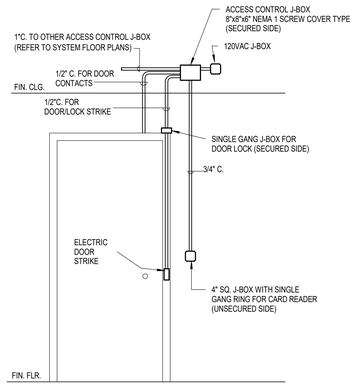


1 DEMOLITION - FLOOR PLAN

E101 SCALE: 1/8" = 1'-0"

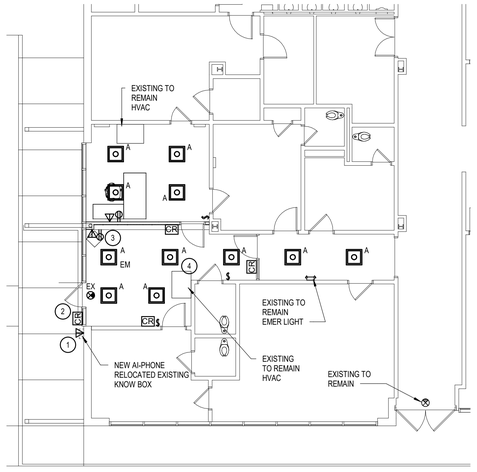
PLAN GENERAL NOTES:

1. REMOVE EXISTING LIGHTS, EXIT LIGHTS AND SWITCHES. PROTECT EXISTING CIRCUITRY, JUNCTION BOXES, CONDUIT AND WIRING FOR REUSE IF SUITABLE TO FOR RE-CIRCUITING OF NEW LIGHTS.



3 DETAIL - ACCESS CONTROL CONDUIT DETAIL FOR CARD READER SYSTEM

E101 SCALE: 6" = 1'-0"



2 FLOOR PLAN

E101 SCALE: 1/8" = 1'-0"

PLAN KEYNOTES:

1. PROVIDE DATA OUTLET FOR EXISTING AI-PHONE. PROVIDE 1" CONDUIT TO EXISTING SECURITY SYSTEM.
2. CARD READER MOUNTS TO DOOR MULLION. PROVIDE CONNECTION TO EXISTING SECURITY SYSTEM. SEE TYPICAL FOR ALL CARD READERS.
3. PROVIDE POWER AND DATA OUTLETS FOR NEW SECURITY KIOSK. PROVIDE NEMA 5-20 RECEPTACLE AND DATA OUTLET WITH 2 CAT6A GREEN CABLES APRROX. 200' LONG. CIRCUIT RECEPTACLE TO NEAREST AVAILABLE 20A, 120V PANELBOARD CIRCUIT. COORDINATE WITH ARCHITECTURAL SHEET A101 FOR EXACT LOCATION.
4. CIRCUIT LIGHTS WITH EXISTING LIGHTING CIRCUITRY.

LEGEND/SYMBOLS - SECTION A

POWER	
φ	DUPLEX RECEPTACLE
DATA COMMUNICATIONS	
◁	DATA WALL OUTLET
◀	AI PHONE WALL OUTLET
SECURITY/ACCESS CONTROL	
CR	CARD READER
LIGHT FIXTURES	
○	2X2 LIGHT FIXTURE
▭	2X4 LIGHT FIXTURE
◔	EXIT LIGHT - SOLID FACE IS ILLUMINATED FACE
⊏⊐	EMERGENCY WALL PACK WITH BUG EYES
SWITCH AND CONTROL	
$	SINGLE POLE LIGHT SWITCH
①	NUMBERED CONSTRUCTION NOTES
⟨1⟩	NUMBERED DEMOLITION NOTES

GENERAL DEMOLITION NOTES

1. THE ELECTRICAL DRAWINGS PREPARED BY SPECTRUM DESIGN ARE BASED ON NON-INVASIVE VISUAL INSPECTION. PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY THAT CONDITIONS IN THE FIELD ARE AS SHOWN IN THE DOCUMENTS. CONTRACTOR SHALL NOTIFY SPECTRUM DESIGN IMMEDIATELY IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE DOCUMENTS.
2. JUNCTION BOXES, WIRE, CONDUIT, AND ALL APPURTENANCES ASSOCIATED WITH DEVICES SCHEDULED TO BE REMOVED MUST BE REMOVED BACK TO LAST ACTIVE JUNCTION BOX OR PANELBOARD, UON. ENSURE THAT THE CIRCUIT REMAINS ACTIVE FOR DEVICES TO REMAIN IF OTHER DEVICES ON THAT CIRCUIT ARE REMOVED BETWEEN THEM AND THE BRANCH CIRCUIT PANELBOARD. IF CIRCUIT BREAKER IS SPARE, SHUT OFF BREAKER AND REVISE CIRCUIT DIRECTORY.
2. EXERCISE CARE IN REMOVING DEMOLITION ITEMS AND REPAIR OR REPLACE ANY DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.
3. IF SUSPECTED HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION, DO NOT DISTURB. IMMEDIATELY NOTIFY THE ARCHITECT AND SUSPECTED HAZARDOUS, OR OTHERWISE REGULATED, MATERIALS ENCOUNTERED DURING DEMOLITION SHOULD BE HANDLED AND TRANSPORTED IN ACCORDANCE WITH APPLICABLE REGULATIONS OR RECYCLED OR REUSED IF APPROPRIATE. THESE MATERIALS SHOULD BE HANDLED, DISPOSED OF OR RECYCLED ACCORDING TO ALL APPROPRIATE LOCAL, STATE AND FEDERAL GUIDELINES FOR SUCH MATERIALS. THESE MATERIALS CAN INCLUDE, BUT ARE NOT LIMITED TO, PCB-CONTAINING LIGHT BALLASTS, FLUORESCENT LIGHT TUBES, POTENTIAL CFC-CONTAINING MATERIALS, POTENTIAL RADIOACTIVE MATERIALS AND VARIOUS TYPES OF BATTERIES.
4. ALL DEVICES AND FIXTURES THAT ARE REMOVED DURING DEMOLITION (AND NOT TO BE RELOCATED) SHALL BE BECOME THE PROPERTY OF THE CONTRACTOR AND IS TO BE REMOVED COMPLETELY FROM THE PROJECT SITE.
5. FOR DEVICES AND EQUIPMENT TO BE REMOVED AND NOT REINSTALLED, JUNCTION BOXES, WIRE, CONDUIT AND ASSOCIATED APPURTENANCES SHALL BE REMOVED. ALL SURFACES ARE TO BE PATCHED/PAINTED BY CONTRACTOR TO MATCH ADJACENT SURFACES.
6. EXISTING CONDUITS TO REMAIN NOT ASSOCIATED WHICH CONFLICT WITH NEW BUILDING ELEMENTS, INCLUDING BUT NOT LIMITED TO MECHANICAL DUCTWORK, PIPING, EQUIPMENT, OR DROP CEILINGS SHALL BE REWORKED TO COORDINATE AS NEEDED.
7. PROTECT EXISTING ELECTRICAL PANELS, MOTOR CONTROLLERS, AND OTHER ELECTRICAL EQUIPMENT FROM PHYSICAL DAMAGE AND CONSTRUCTION DUST.
8. ALL EXISTING CONDUITS AND WIRING THAT WILL NOT BE REUSED SHALL BE REMOVED WHERE THEY WILL BE EXPOSED UPON COMPLETION OF NEW WORK. EXISTING CONDUIT TO REMAIN CONCEALED IN WALLS SHALL BE ABANDONED.
9. CONDUIT TO REMAIN BELOW FLOOR SLAB SHALL BE CUT OFF ONE INCH BELOW FLOOR AND GROUTED FLUSH. ALL EXISTING WIRING IN CONDUITS TO BE ABANDONED SHALL BE DISCONNECTED FROM POWER SOURCE AND REMOVED.

GENERAL ELECTRICAL NOTES

1. INSTALLATION SHALL BE IN STRICT COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE, UNIFORM STATEWIDE BUILDING CODE, AND MANDATES OF THE LOCAL BUILDING OFFICIALS.
2. THE GENERAL ARRANGEMENT AND LOCATIONS OF LIGHT FIXTURES, OUTLETS AND EQUIPMENT IS INDICATED BY THE DRAWINGS AND SHALL BE INSTALLED IN ACCORDANCE THEREWITH, WITH THE EXCEPTION OF SUCH CHANGES WHICH MAY BE NECESSARY TO COORDINATE WITH EXISTING CONDITIONS. ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH INSTALLATION OF OTHER CONTRACTORS, WITH EXISTING CONDITIONS, AND WITH OWNER SUPPLIED EQUIPMENT AND FURNISHINGS.
3. INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH CEILING LAYOUT, STRUCTURAL MEMBERS AND ADJACENT FINISHES.
4. MAJOR ITEMS ARE SHOWN ON THE PROJECT PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INCIDENTAL ITEMS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM.
5. ELECTRICAL WORK SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AS TO SCHEDULING, DIMENSIONING AND LOCATION OF EQUIPMENT.
6. COORDINATE WITH ALL SECTIONS OF THE CONTRACT DOCUMENT TO PROVIDE PROPER ELECTRICAL POWER AND CONTROL CONNECTIONS FOR ARCHITECTURAL EQUIPMENT SUCH AS MOTORIZED DOORS, PROJECTION SCREENS, TELEVISIONS, TELEVISION MONITORS. COORDINATE WITH THE ARCHITECT/ENGINEER FOR LOCATIONS OF CONTROLLERS.
7. WIRE SHALL BE COPPER OF MINIMUM OF 12 GAUGE SIZE AND SHALL BE TYPE THW, THWN, THHN, AND STRANDED IF NUMBER 8 AWG OR LARGER. WIRE SHALL BE RATED FOR 75 DEGREES MINIMUM. AND CONDUCTOR SIZES SHALL BE SELECTED BASED UPON 75 DEGREE WIRE. PROVIDE OVERSIZED WIRE FOR LONG CIRCUIT RUNS TO MAINTAIN VOLTAGE DROP WITHIN 3% AT FULL LOAD. 120 VOLT EXAMPLE: FOR 20 AMP CIRCUIT WITH 13 AMP LOAD, PROVIDE #12 WIRE UP TO 70' LENGTH, PROVIDE #10 WIRE FROM 71 TO 115' LENGTH; PROVIDE #8 WIRE FROM 116 TO 185' LENGTH, AND PROVIDE #6 WIRE FOR BRANCH CIRCUITS OVER 185'.
8. ALL WIRING SHALL BE IN CONDUIT. RIGID METAL WHERE EXPOSED OUTDOORS AND BELOW SWITCH HEIGHT OR SUBJECT TO DAMAGE; MC CABLE WHERE HIDDEN IN WALLS. PVC SCHEDULE 40 WHERE BELOW GRADE; FLEXIBLE METALLIC FOR EQUIPMENT CONNECTIONS AND EMT OTHERWISE. A SEPARATE GREEN INSULATED GROUND WIRE SHALL BE INSTALLED IN ALL CONDUITS. ALL CONDUIT SHALL BE NEATLY RUN AND SUPPORTED PER NATIONAL ELECTRIC CODE.
9. IN FINISHED AREAS WHERE EXPOSED STRUCTURE AND BEAMS EXIST FOR ARCHITECTURAL EFFECT, CONDUITS WHICH CANNOT BE CONCEALED SHALL BE ROUTED CAREFULLY FOR BEST CONCEALMENT AND FOR ALIGNMENT WITH ARCHITECTURAL FEATURES.
10. ALL CONDUIT TO BE RUN CONCEALED WHERE POSSIBLE IN FINISHED SPACES. EXPOSED CONDUIT IS ACCEPTABLE IN MECHANICAL ROOMS AND JANITOR CLOSETS. PVC CONDUIT IS NOT PERMITTED IN AIR PLENUM OR EXPOSED INSIDE THE BUILDING. WHERE UNDERGROUND PVC CONDUITS ENTER THE BUILDING, CONCRETE ENCASEMENT OR METAL SHROUD MAY BE USED TO PROTECT THE PVC FROM POSSIBLE DAMAGE.
11. PROVIDE WEATHERPROOF SEALS ON ALL CONDUIT AND SLEEVE PENETRATIONS INTO THE BUILDING.
12. SOME ELECTRICAL SYSTEM CABLING, SUCH AS FIRE ALARM, SOUND, TELEVISION, DATA OR TELEPHONE MAY BE PERMITTED ABOVE ACCESSIBLE CEILING WITHOUT CONDUIT. HOWEVER, SUCH CABLING IS NOT PERMITTED TO BE EXPOSED. PROVIDE PARTIAL CONDUIT SYSTEM AS NEEDED TO PROTECT AND CONCEAL THE WIRING FROM VIEW. ANY LOCATIONS WHERE CABLES PASS ABOVE NON-ACCESSIBLE CEILINGS OR THROUGH FIRE RATED PARTITIONS SHALL UTILIZE CONDUIT AND SLEEVES WITH SEALANT TO RESTORE THE FIRE RATING OF THE PARTITION.
13. ALL CABLING RUN IN PLENUM AREAS ABOVE CEILING ARE TO BE PLENUM RATED UNLESS OTHERWISE APPROVED.

LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL	LAMP	COLOR TEMPERATURE	WATTS	MOUNTING TYPE	COMMENTS
A	2 X 2 SHALLOW SURFACE MOUNT WITH RIBBED ACRYLIC ROUNDED SHIELDING	LITHONIA	PTS 2 2 L38 35 RA UNV OPTIONS (EM/10W ONLY WHERE EM INDICATED)	LED	3500 K	31 W	SURFACE CEILING	
EX	UNIVERSAL MOUNT EXIT SIGN	LITHONIA LIGHTING	EDG_R W 1 R EL	LED			SURFACE CEILING	

0 4' 8' 16'

SCALE: 1/8" = 1' - 0"

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COMMONWEALTH OF VIRGINIA
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PLAN NORTH SITE NORTH

SHEET NAME:
ELECTRICAL - DEMOLITION, FLOOR PLAN, SCHEDULES & DETAILS

SHEET NUMBER:
E101

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