CORE ARCHITECTURE

CCHS SECURE ENTRY VESTIBULE

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

MARCH 29, 2024

BID PACKAGE 1 BID SET

CONSULTANTS

MECHANICAL

OLSEN & PETERSON ENG., INC.
14 EAST 2700 SOUTH
SALT LAKE CITY, UTAH 84115
PHONE 801.486.4646

ELECTRICAL

BNA CONSULTING
635 SOUTH STATE STREET
SALT LAKE CITY, UTAH 84111
PHONE 801.532.2196

INDEX OF DRAWINGS

ARCHITECTURAL BP1

ELECTRICAL BP1

CORE ARCHITECTURE
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PROFESSIONAL STAMP

LICENSED ARCHITECT
CURTIS LELAND LIVINGSTON
No. 10606440
STATE OF UTAH
03/29/24

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS SECURE ENTRY VESTIBULE

12943 SOUTH 700 EAST
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DATE:	MARCH 29, 2024
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PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID PACKAGE 1 BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

COVER SHEET - BID PACKAGE 1

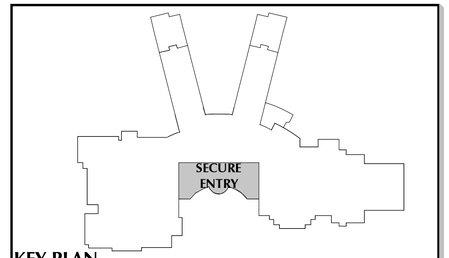
SHEET NUMBER

CVR - BP1

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO DEMOLITION AND CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. IT IS RECOMMENDED THAT ALL CONTRACTORS VISIT THE PROJECT SITE PRIOR TO SUBMITTING THEIR BIDS. IT SHALL BE THE RESPONSIBILITY OF EACH BIDDER TO UNDERSTAND THE FULL SCOPE OF DEMOLITION AND NEW CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE GIVEN FOR NOT FULLY UNDEERSTANDING THE SCOPE OF THE PROJECT.
C. PRIOR TO STARTING DEMOLITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS, BONDS, AND APPROVLAS HAVE BEEN OBTAINED. ALL PERMIT AN DBOND FEES ARE TO BE PAID BY THE OWNER.
D. GENERAL CONTRACTOR TO PROVIDE TEMPORARY PROTECTION DURING DEMOLITION AND CONSTRUCTION FOR ALL EXISTING MATERIALS THAT ARE TO REMAIN. THIS MAY INCLUDE PROVIDING TEMPORARY BARRIERS OR PARTITIONS TO PROTECT ADJACENT AREAS FROM DUST AND OR DAMAGE FOR WALLS, DOORS, FLOORS, CEILINGS, ETC.
E. THE GENERAL CONTRACTOR IS TO REMAIN WITHIN THE CONTRACT LIMITS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PATCH, REPLACE, AND REPAIR ALL EXISTING STRUCTURES, FIXTURES, CONCTRETE SIDEWALKS, CURBS, GUTTERS, PAVED ASPHALT, AND SOD AFFECTED BY THE NEW CONSTRUCTION OUTSIDE OF THE CONTRACT LIMIT LINES DUE TO NEW CONSTRUCTION.
F. AREAS WHERE PLUMBING, MECHANICAL AND ELECTRICAL WORK IS TO BE DONE ARE TO BE PATCHED AND REPAIRED TO MATCH EXISTING ADJACENT MATERIALS AND FINISHES UNLESS OTHERWISE NOTED. SUCH AS HOLES LEFT BY REMOVAL OF PANEL, PHONES, CONDUITS, THERMOSTATS, PIPING, CONTROLS, ETC. COORDINATE WITH PLUMBING, MECHANICAL AND ELECTRICAL FOR EXTENT OF WORK.
G. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROTECT THE EXISTING ARCHITECTURAL, ELECTRICAL, PLUMBING AND MECHANICAL ITEMS DURING THE DEMOLITION PHASE. (PATCH, REPLACE, AND REPAIR TO PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND OLD CONSTRUCTION.)

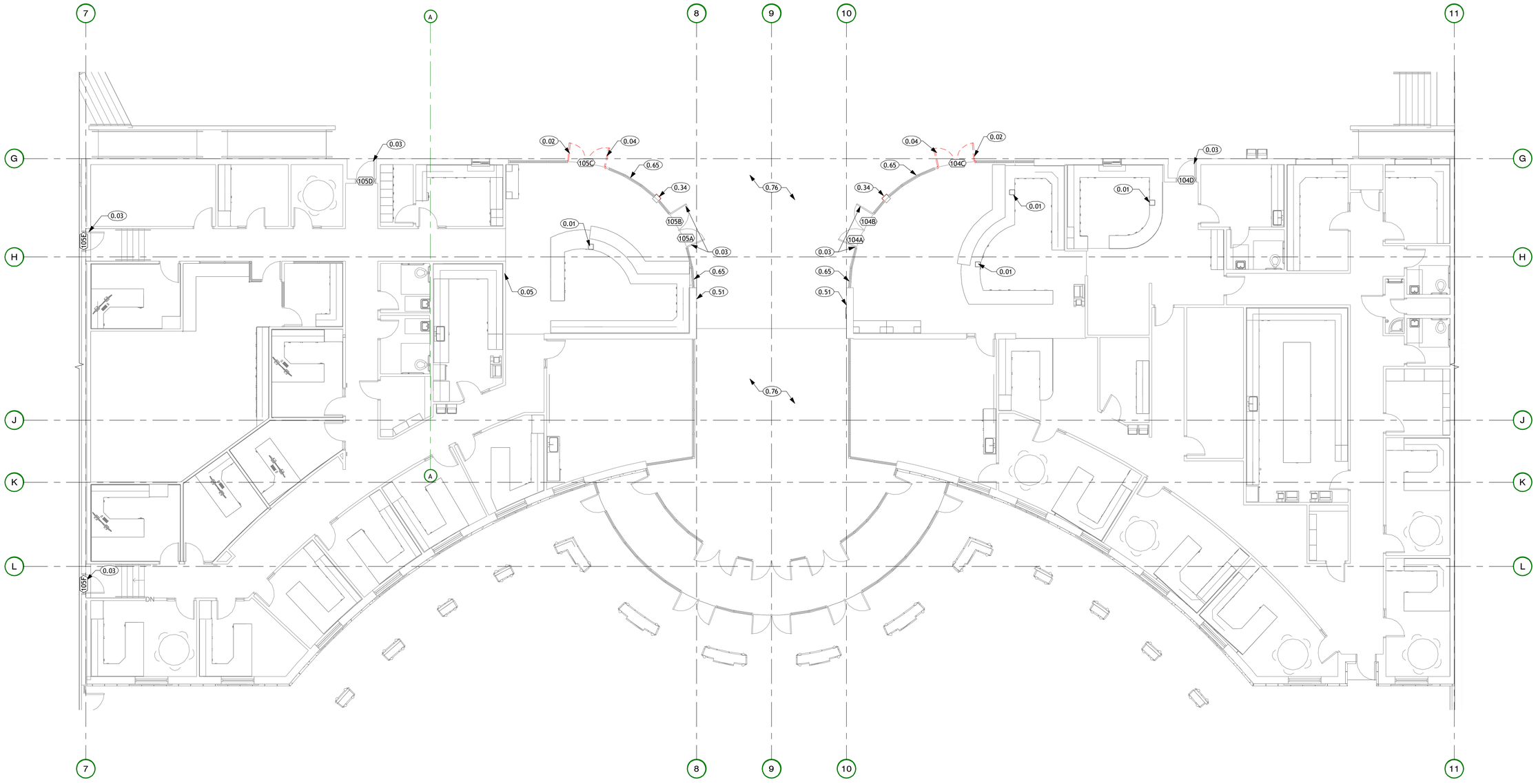
A. PRIOR TO CONSTRUCTION TRENCHING OF EXISTING CONCRETE OR CORE DRILLING, CONTRACTOR SHALL VERIFY FINAL LOCATIONS WITH NEW FLOOR PLANS.
B. CONTRACTOR SHALL VERIFY DIMENSIONS FOR NEW DOOR OPENINGS IN EXISTING WALLS.
C. FOR COMPLETE INFORMATION PERTAINING TO DEMOLITION, REFER TO INDIVIDUAL ENGINEERING PLANS.
D. OWNER WILL OCCUPY SITE AND BUILDING DURING ENTIRE CONSTRUCTION PERIOD. COOPERATE WITH OWNER DURING CONSTRUCTION OPERATIONS TO MINIMIZE CONFLICTS AND FACILITATE OWNER USAGE. PERFORM WORK SO AS NOT TO INTERFERE WITH ONWER'S DAY-TO-DAY OPERATIONS. AINTAIN EXISITNG EXITS UNLESS OTHERWISE INDICATED.
E. THE OWNER RESERVES THE RIGHT TO REMOVE ANY SALVAGEABLE MATERIALS RESULTING FROM DEMOLTION WORK AND SITE CLEARING. REMAINING MATERIAL THEN BECOMES THE PROPERTY OF GENERAL CONTRACTOR TO BE PROPERLY DEISPOSED OF.
F. ALL STRUCTURAL FILL SHALL CONSIST OF IMPORTED GRANULAR SOIL (SEE GEOTECH REPORT). ON STIE SILT AND CLAY SOIL MAY NOT E USED AS STRUCTURAL FILL. COORDINATE WITH GEOTECH AND STRUCTURAL SHEETS.
G. CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROTECT ALL NEW FACILIITES DURING THE CONSTRUCTION PERIOD UNTIL THE DESIGN GRADE AND COVEER HAVE BEEN REACHED AND WORK AS BEEN ACCEPTED BY OWNER.
H. CONTRACTOR TO PROVIDE DUST BARRIER, SAFTEY BARRIER AND CONSTRUCTION SCHEDULE TO DISTRICT PRIOR TO CONSTRUCTION ACTIVITY IN THIS AREA.
I. A STAGING PLAN WILL NEED TO BE PROVIDED TO THE SCHOOL DISTRICT AND STATE FIRE MARSHAL FOR APPROVAL PRIOR TO CONSTRUCITON. STAGING PLAN WILL INCLUDE A SCHEDULE OF TEMPORARY FENCING, SITE ACCESS AND DELIVERY OF ALL MATERIALS, ETC.



KEY PLAN
NOT TO SCALE

KEYNOTES

0.01	PREP EXISTING MILLWORK FOR NEW DOOR RELEASE BUTTON, SEE ELECTRICAL SHEETS. PATCH AND REPAIR AREAS EFFECTED BY INSTALLATION.
0.02	REMOVE EXISTING DOOR. PREP FOR NEW DOOR.
0.03	DOOR TO RECEIVE UPDATED HARDWARE, PREP DOOR AND FRAME FOR NEW INSTALLATION.
0.04	REMOVE EXISTING DOOR AND PREP FOR NEW WINDOW SYSTEM INSTALLATION.
0.05	PATCH AND REPAIR WALL WHERE EXISTING CAMERA IS BEING REMOVED.
0.34	REMOVE PARTIAL EXISTING BREAK METAL WRAP. PREP FOR NEW BREAK METAL.
0.51	EXISTING MASONRY WALL TO REMAIN.
0.65	EXISTING ALUMINUM STOREFRONT SYSTEM TO REMAIN.
0.76	EXISTING FLOOR FINISH TO REMAIN. PROVIDE PROTECTION DURING CONSTRUCTION.



SECURE ENTRY DEMOLTION FLOOR PLAN
AD101 | SCALE: 1/8" = 1'-0"

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PROFESSIONAL STAMP

LICENSED ARCHITECT · CURTIS LEGRAND LIVINGSTON · No. 10041 · STATE OF UTAH

03/29/24

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12943 SOUTH 700 EAST
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DRAWING SET STATUS

BID PACKAGE 1 BID SET

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SHEET TITLE

DEMOLITION FLOOR PLAN

SHEET NUMBER

AD101

BACK TO < CVR

Autodesk Docs://CCHS Fieldhouse & Soccer Field/24-013 CCHS Fieldhouse & Soccer Field.rvt
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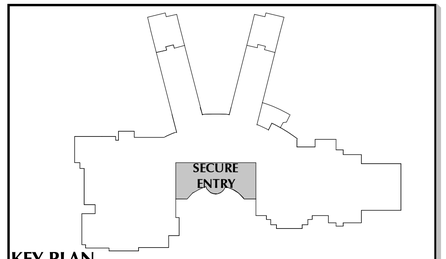
GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING IN ACCORDANCE WITH NFPA 12.
C. MECHANICAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND CEILING SUBCONTRACTORS SHALL COORDINATE THEIR WORK. IN CASE OF CONFLICT, THE REFLECTED CEILING PLAN SHALL TAKE PRECEDENCE.
D. SEE ENGINEERING SHEETS FOR ADDITIONAL REQUIREMENTS.
E. CONTRACTOR TO PROVIDE LIGHTING, WIRING, CABLING, SWITCHES, AND OUTLETS BACK TO EXISTING ELECTRICAL PANELS.
F. CEILING HEIGHTS SHOWN ARE ABOVE FINISH FLOOR IN WHICH THEY ARE CALLED.
G. COORDINATE LOCATION OF MECHANICAL DIFFUSERS IN WALLS WITH ARCHITECT.
H. FIRE SPRINKLERS TO BE CENTERED ON CEILING GRIDS.
I. DO NOT SCALE DRAWINGS.

ELECTRICAL/MECHANICAL DEMOLITION SYMBOLS

2'x2' LIGHT FIXTURE

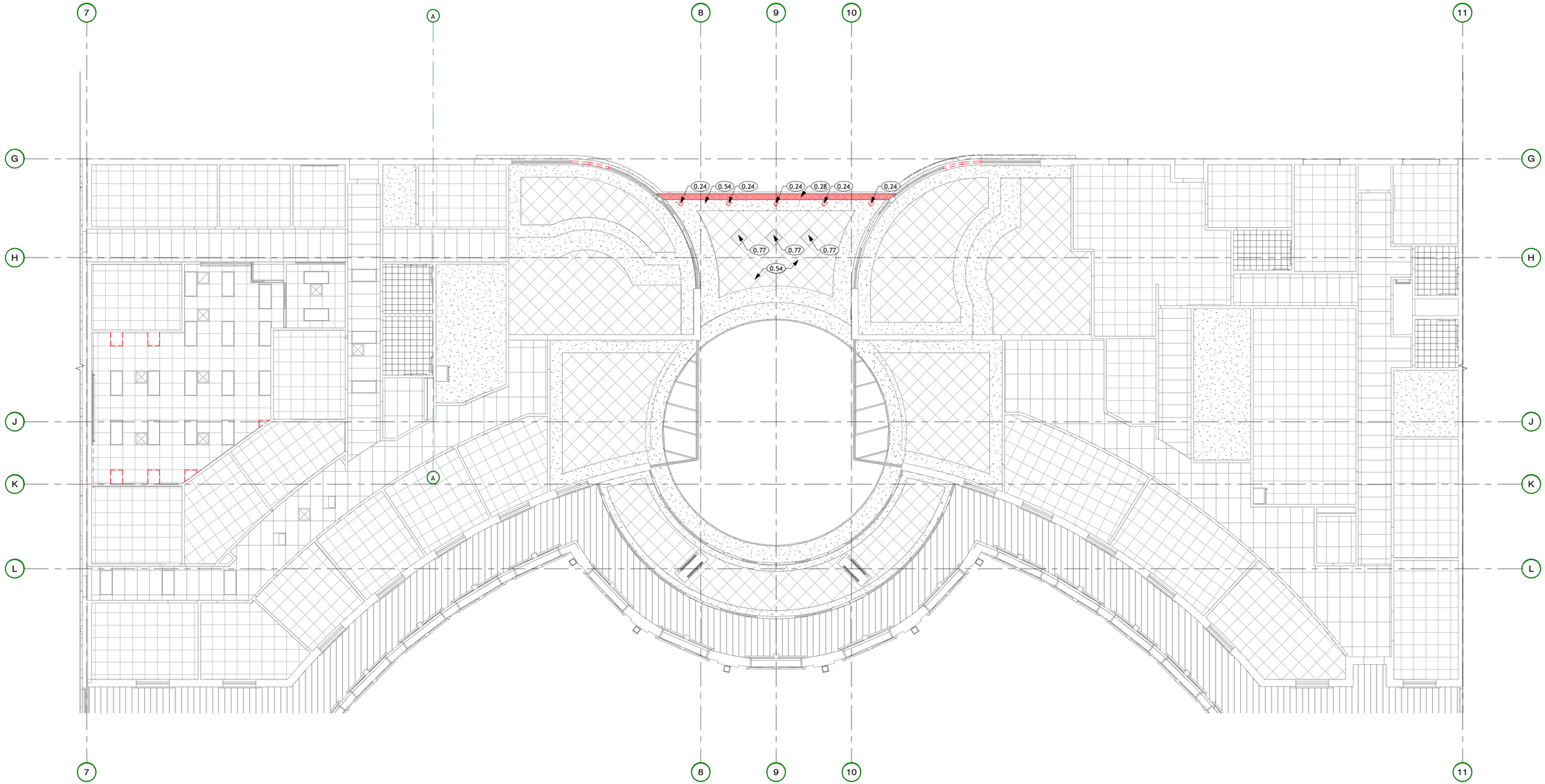
RECESSED DOWNLIGHT



KEY PLAN
NOT TO SCALE

KEYNOTES

0.24	REMOVE EXISTING LIGHTING FIXURE.
0.28	SHADED AREA DENOTES AREA OF CEILING TO BE REMOVED TO EXPOSE STRUCTURE IN PREP FOR NEW CONSTRUCTION.
0.54	EXISTING CEILING TO REMAIN.
0.77	EXISTING LIGHT FIXTURE TO REMAIN.



DEMOLITION REFLECTED CEILING PLAN
AD102 | SCALE: 1/8" = 1'-0"

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DEMOLITION REFLECTED CEILING PLAN

SHEET NUMBER

AD102

BACK TO < CVR

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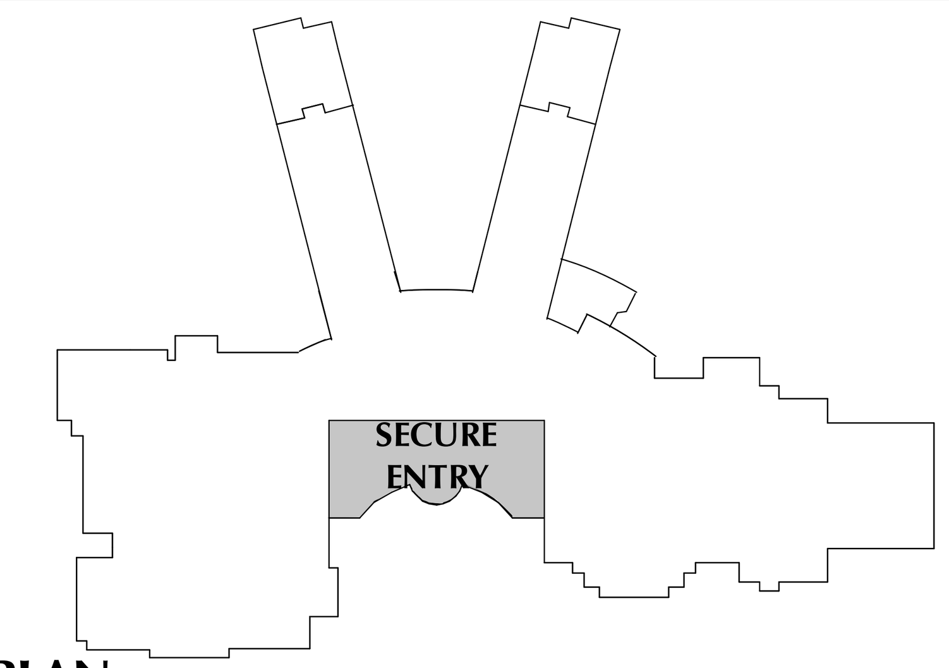
GENERAL NOTES

A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
D. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS:
   - MASONRY WALLS- OUTSIDE OF FRAME 8" FROM FACE OF WALL (ON BLOCK MODULE),
   - FRAMED WALLS-INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).
E. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
F. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION
G. CONFIRM FINISHES WITH OWNER PRIOR TO ORDERING.
H. SEE A600 SHEETS FOR DOOR AND WINDOW INFORMATION.
I. SEE THE SPECIFICATION FOR ADDITIONAL INFORMATION.
J. PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS-INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.
K. ALL DIMENSIONS ARE TO FACE OF MASONRY, WOOD, AND METAL STUD FACES UNLESS NOTED OTHERWISE.
L. DO NOT SCALE DRAWINGS.

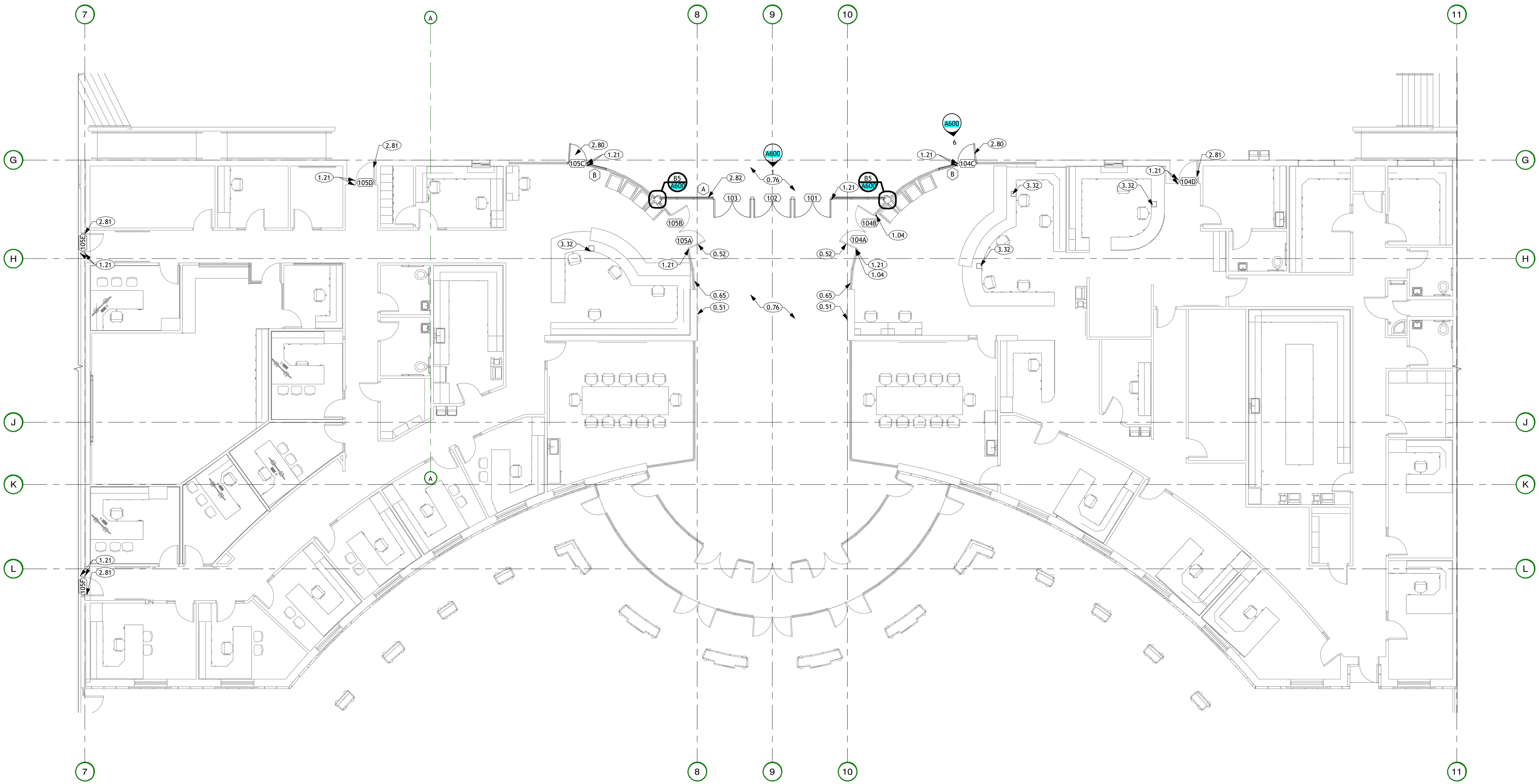


KEY PLAN

NOT TO SCALE

KEYNOTES

0.51	EXISTING MASONRY WALL TO REMAIN.
0.52	EXISTING DOOR TO REMAIN.
0.65	EXISTING ALUMINUM STOREFRONT SYSTEM TO REMAIN.
0.76	EXISTING FLOOR FINISH TO REMAIN. PROVIDE PROTECTION DURING CONSTRUCTION.
1.04	ADA ACTUATOR. SEE SPECIFICATIONS. COORDINATE FINAL LOCATION WITH ARCHITECT, OWNER ,ELECTRICAL, AND HARDWARE.
1.21	DIGITAL CARD READER. SEE SPECIFICATIONS.
2.80	NEW ALUMINUM SOTREFRONT DOOR AND GLAZING, IN EXISTING ALUMINUM SYSTEM. STYLE AND FINISHES TO MATCH EXISTING.
2.81	EXISTING DOOR TO RECEIVE UPDATED HARDWARE PER SPECS. COORDINATE WITH HARDWARE AND ELECTRICAL.
2.82	NEW ALUMINUM STOREFRONT SYSTEM, SEE DOOR HARDWARE AND DOOR TYPES. INTALL OVER EXISTING FLOORING. REINFORCE HEADER FOR STABILITY PER DETAILS.
3.32	INSTALL NEW DOOR RELEASE SWITCH. SEE ELECTRICAL.



SECURED VESTIBULE MAIN FLOOR PLAN

A111 | SCALE: 1/8" = 1'-0"

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PROFESSIONAL STAMP

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No. 10606440
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03/29/24

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CCHS SECURE ENTRY VESTIBULE

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

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DRAWING SET STATUS

BID PACKAGE 1 BID SET

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SHEET TITLE

NEW SECURED ENTRY FLOOR PLAN

SHEET NUMBER

A111

BACK TO < CVR

CEILING LEGEND

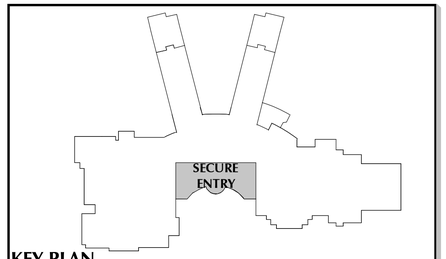
A		EXISTING PAINTED 5/8" TYPE 'X" GYPSUM BOARD. PATCH AND REPAIR, MATCH EXISTING FINISH
B		EXISTING 2x4 SUSPENDED CEILING SYSTEM WITH GRID.

ELECTRICAL/MECHANICAL SYMBOLS

EXISTING 2'x2' LIGHT FIXTURE

GENERAL NOTES

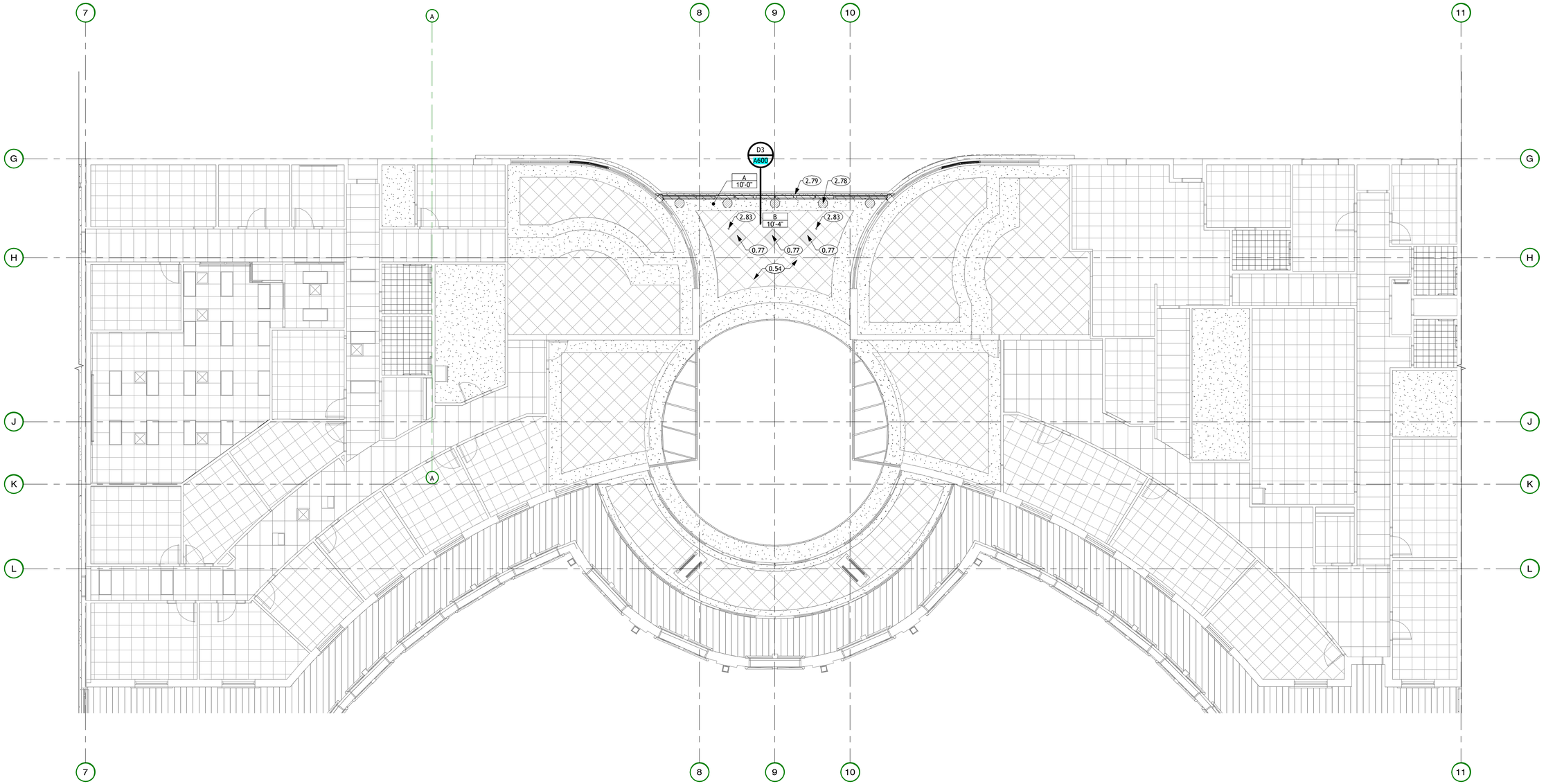
A. MECHANICAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND CEILING SUBCONTRACTORS SHALL COORDINATE THEIR WORK. IN CASE OF CONFLICT, THE REFLECTED CEILING PLAN SHALL TAKE PRECEDENCE.
B. SEE ENGINEERING SHEETS FOR ADDITIONAL REQUIREMENTS.
C. CEILING HEIGHTS SHOWN ARE ABOVE FINISH FLOOR IN WHICH THEY ARE CALLED.
D. COORDINATE LOCATION OF MECHANICAL DIFFUSERS IN WALLS WITH ARCHITECT.
E. WHERE APPLICABLE, FIRE SPRINKLERS TO BE CENTERED ON CEILING TILES.
F. ELECTRICAL LIGHTING PLAN FOR ADDITIONAL LIGHTING INSTRUCTIONS.
G. PAINT UNDERSIDE OF EXPOSED OPEN CEILING. VERIFY WITH OWNER.
H. PAINT ALL EXPOSED STEEL JOISTS, DECK, MECHANICAL DUCTWORK, CONDUIT, SUPPORTS, ETC. BETWEEN AND ABOVE SUSPENDED ACOUSTICAL CEILING PANELS, TYPICAL.
I. ALL LIGHT FIXTURES SHALL BE SUSPENDED WITH #9 WIRES FROM EACH CORNER, INDEPENDET OF CEILING SUPPORT SYSTEM, TO STRUCTURE ABOVE.
J. ALL CEILING SYSTEMS SHALL BE BRACED AS PER LOCAL BUILDING CODE AND DETAILS.



KEY PLAN
NOT TO SCALE

KEYNOTES

0.54 EXISTING CEILING TO REMAIN.
0.77 EXISTING LIGHT FIXTURE TO REMAIN.
2.78 SHADED AREA DENOTES TO PATCH AND REPAIR CEILING SOFIT WHERE EXISTING LIGHTING FIXTURES WERE REMVOED. PROVIDE CLEAN TRANSITIONS BETWEEN EXISTING AND NEW CONSTRUCTION. MATCH EXISTING FINISHES.
2.79 SHADDED AREA DENOTES TO PATCH AND REPAIR CEILING SOFFIT AS NEEDED WITH INSTALLATION OF NEW STOREFRONT SYSTEM. PROVIDE CLEAN TRANSITIONS BETWEEN EXISITING AND NEW CONSTRUCTION. MATCH EXISTING FINISHES
2.83 FIELD VERIFY EXISING FIRE SPRINKLER HEADS TO BE MINIMUM OF 7'-6" FROM NEW STOREFRONT WITH A MINIMUM SPACING OF 15'-0" BETWEEN HEADS



REFLECTED CEILING PLAN
A112 | SCALE: 1/8" = 1'-0"

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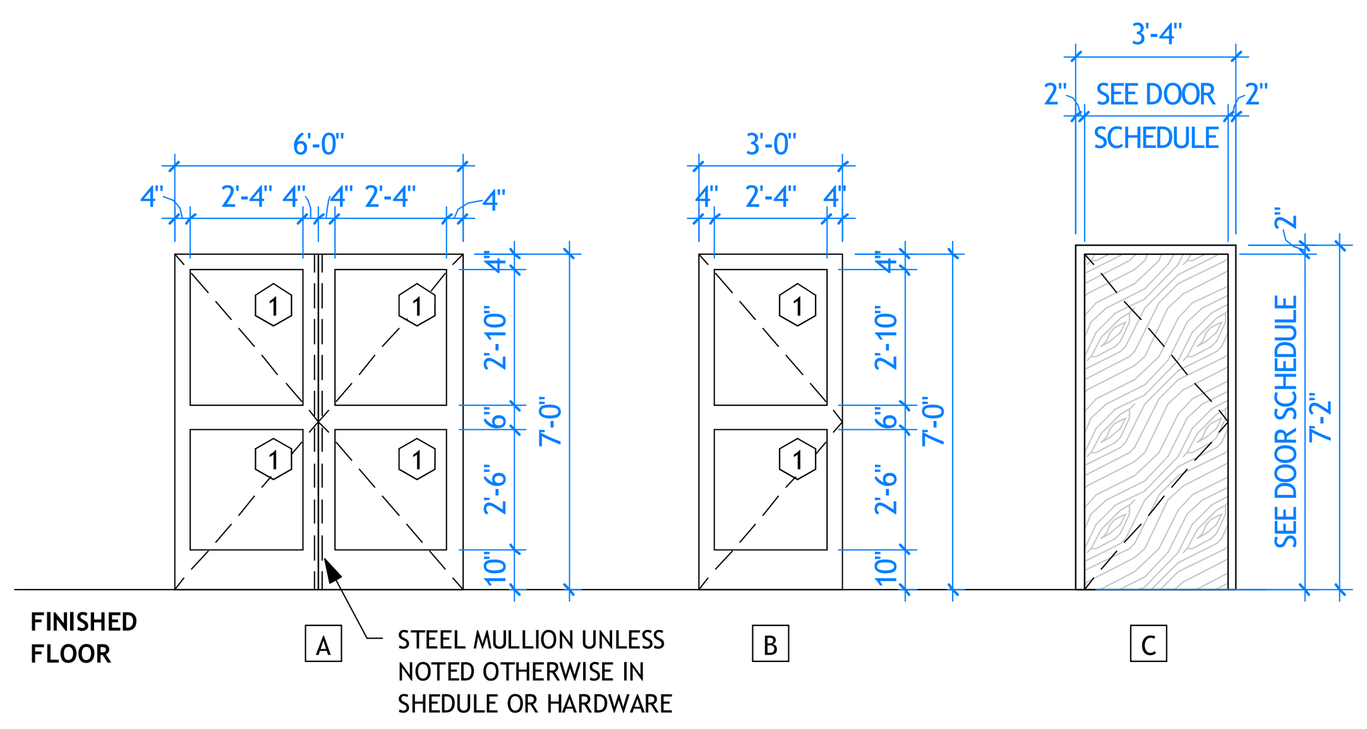
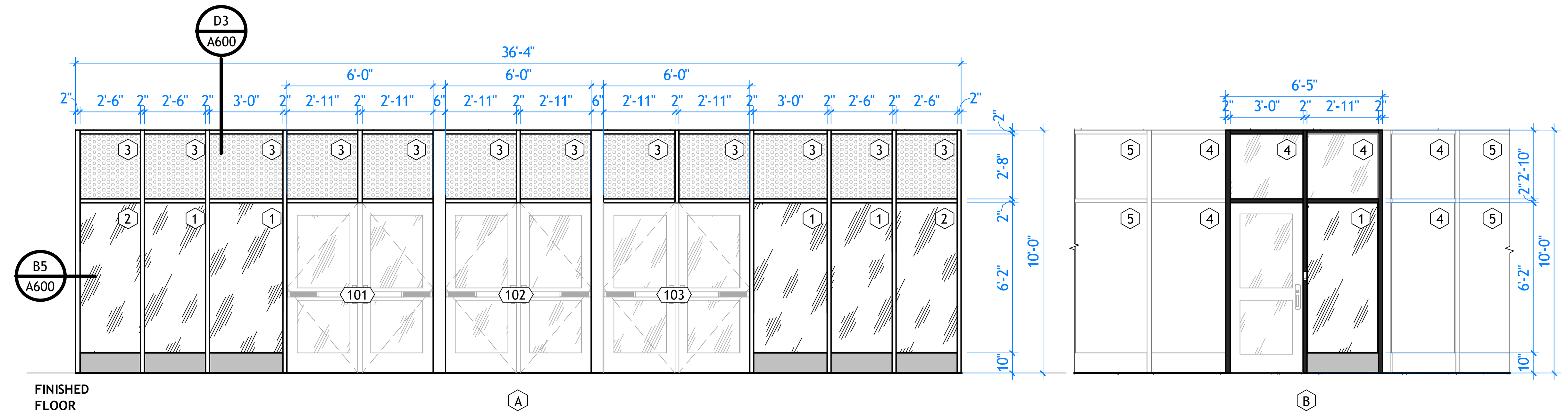


A1 DOOR TYPES

A601 | SCALE: 1/4" = 1'-0"

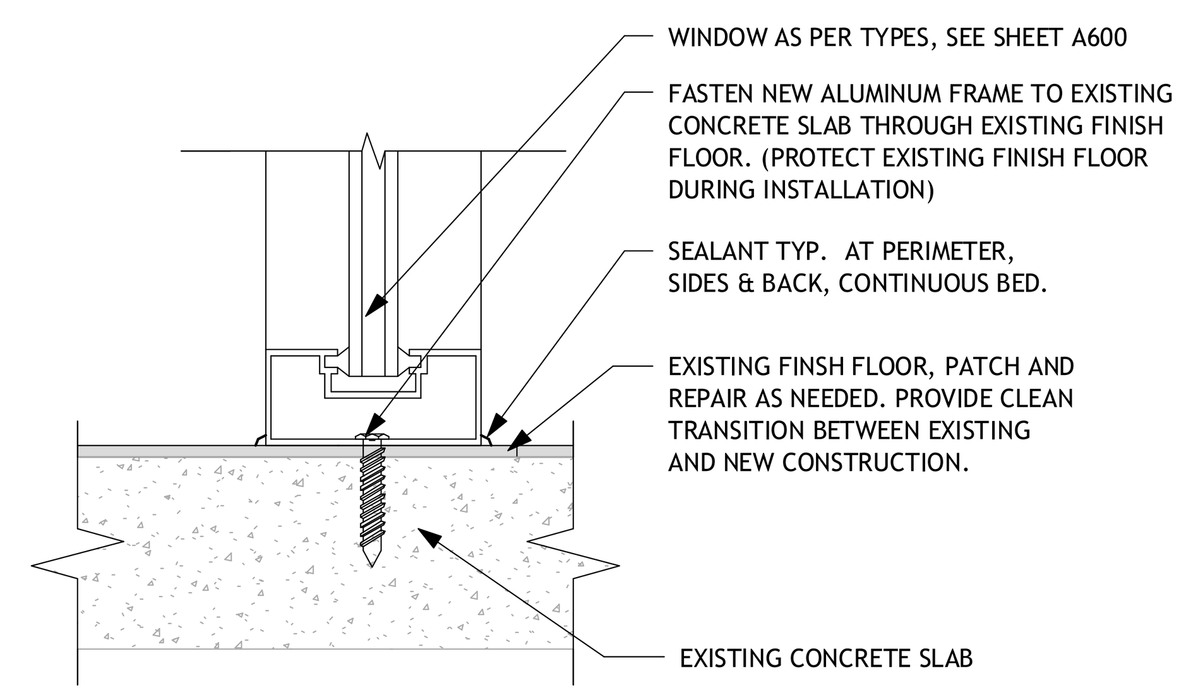


B1 WINDOW TYPES

A601 | SCALE: 1/4" = 1'-0"

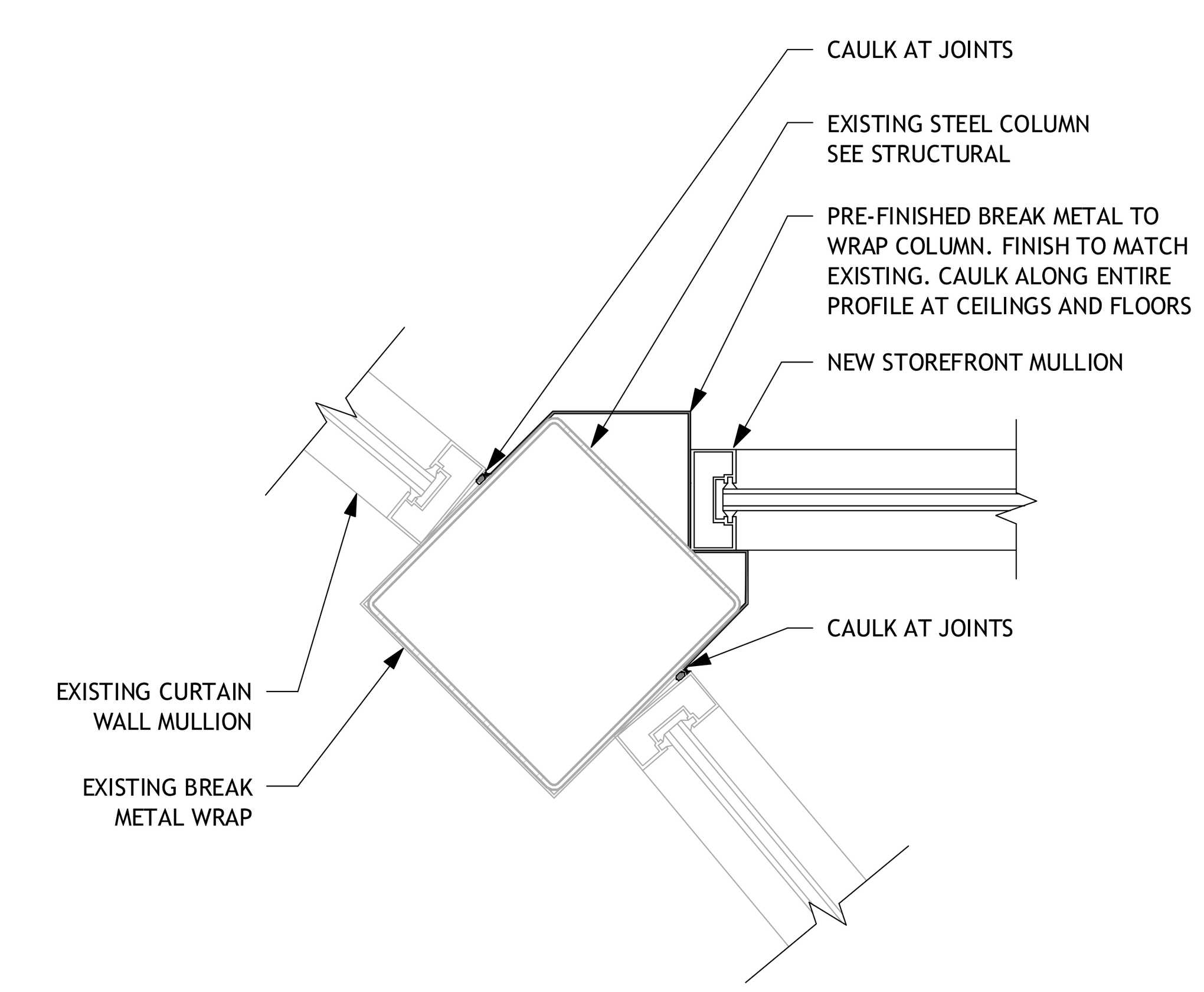
DOOR SCHEDULE - SECURE ENTRY

MARK	TYPE	DOOR SIZE		MATERIAL		HARDWARE	RATING	COMMENTS
		WIDTH	HEIGHT	DOOR	FRAME			
101	A	6'-0"	7'-0"	AL	AL	A01		CARD READER, REMOVABLE MULLION
102	A	6'-0"	7'-0"	AL	AL	A02		FIXED MULLION
103	A	6'-0"	7'-0"	AL	AL	A02		FIXED MULLION
104A	B	3'-0"	7'-0"	AL	AL	A04		
104B	B	3'-0"	7'-0"	AL	AL	A03		CARD READER, ADA ACTUATOR
104C	B	3'-0"	7'-0"	AL	AL	A09		CARD READER, DOOR RELEASE SWITCH
104D	C	3'-0"	7'-0"	WD	HM	A08		CARD READER, DOOR RELEASE SWITCH
105A	B	3'-0"	7'-0"	AL	AL	A06		
105B	B	3'-0"	7'-0"	AL	AL	A05		CARD READER
105C	B	3'-0"	7'-0"	AL	AL	A09		CARD READER, DOOR RELEASE SWITCH
105D	C	3'-0"	7'-0"	WD	HM	A10		CARD READER
105E	C	3'-0"	7'-0"	WD	HM	A07	90 Min	CARD READER
105F	C	3'-0"	7'-0"	WD	HM	A07	90 Min	CARD READER



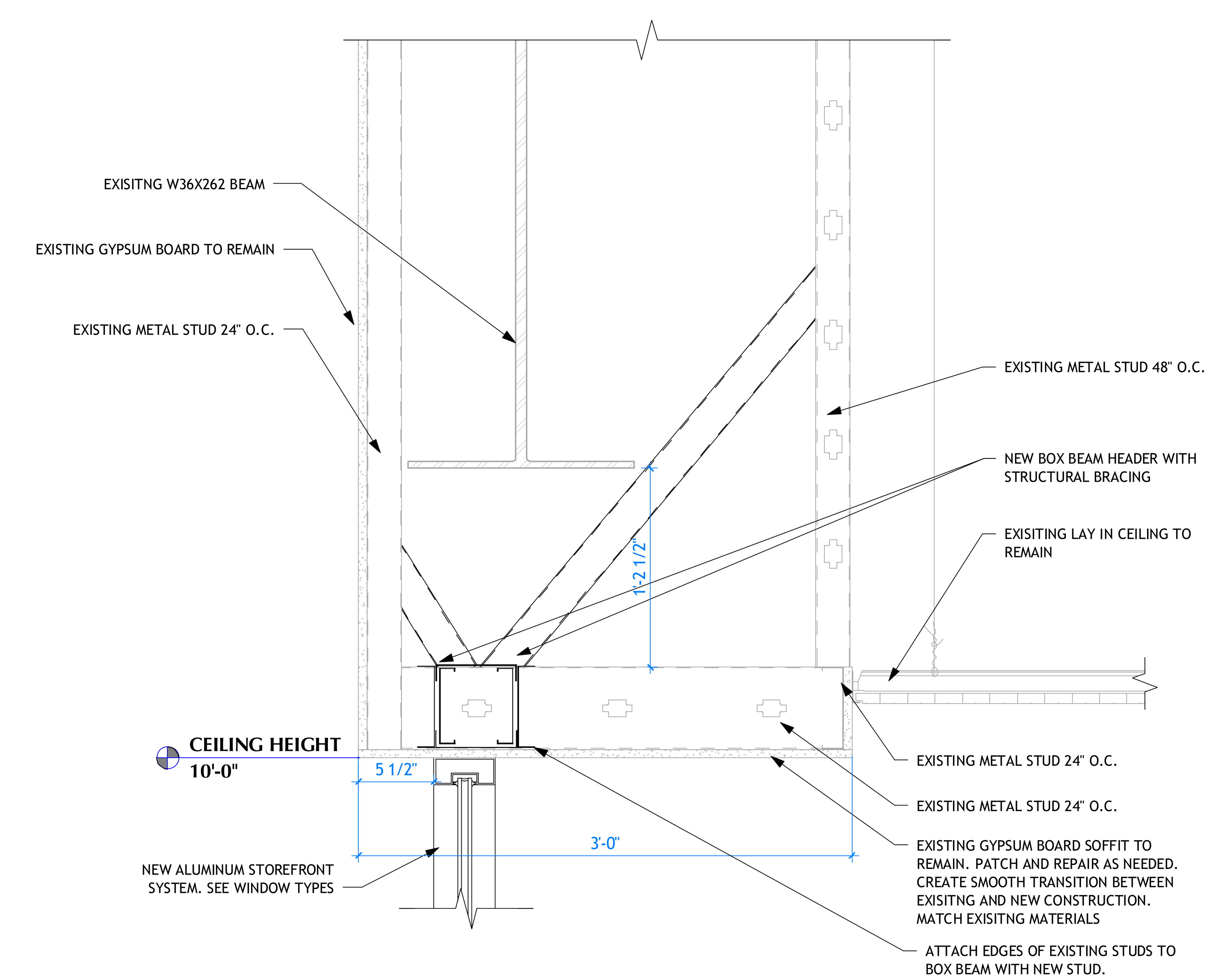
B3 STOREFRONT SILL DETAIL

A600 | SCALE: 3" = 1'-0"



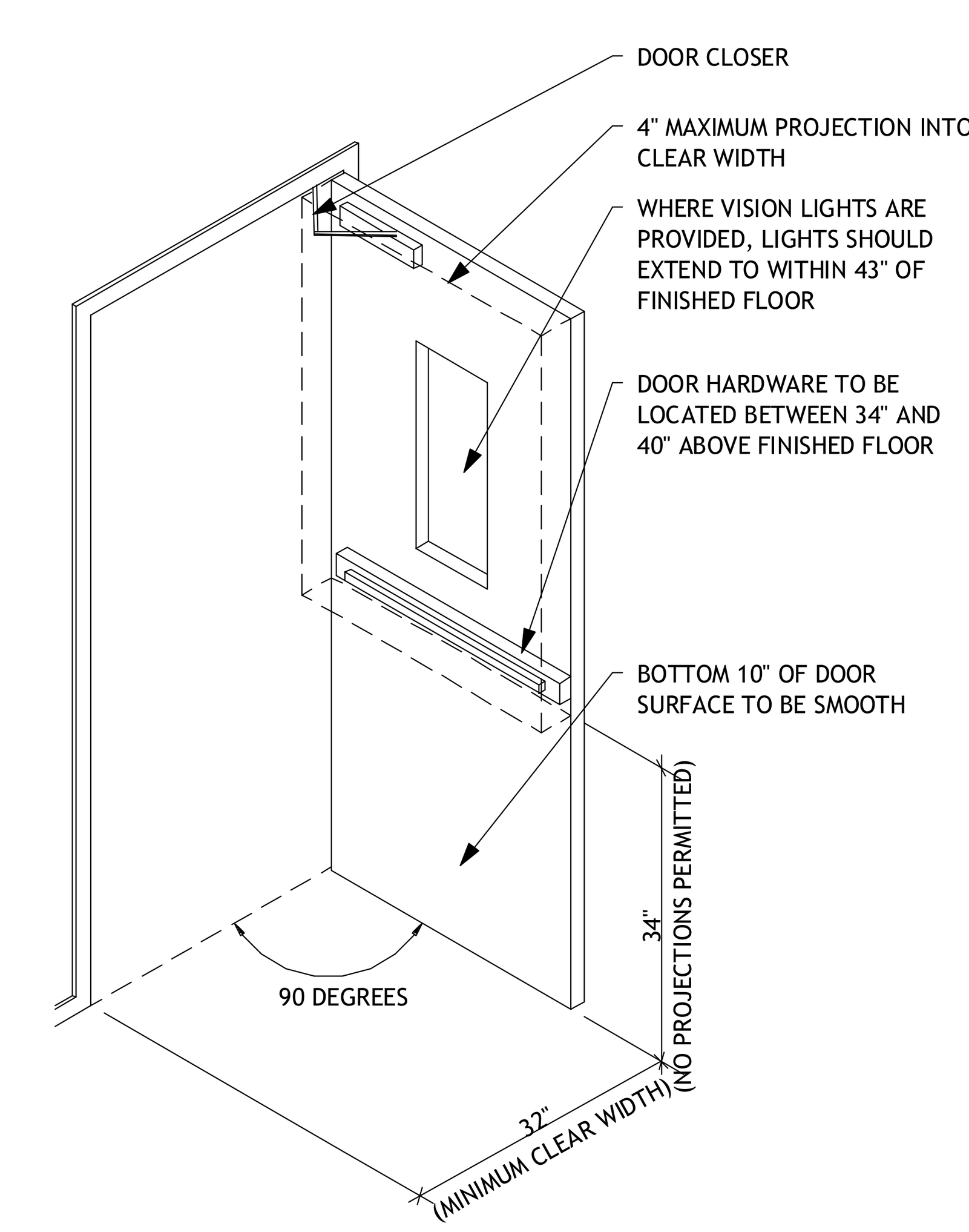
B5 WINDOW TO COLUMN DETAIL

A600 | SCALE: 1 1/2" = 1'-0"



D3 ALUMINUM WINDOW HEAD DETAIL

A600 | SCALE: 1 1/2" = 1'-0"



NOTE: HARDWARE TO BE OPERATED WITH ONE HAND, WITHOUT TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THRESHOLDS ARE LIMITED TO 1/2" MAXIMUM HEIGHT. INTERIOR DOORS, OTHER THAN FIRE DOORS, SHOULD BE ABLE TO BE OPERATED WITH 5 POUNDS OF FORCE. EXTERIOR DOOR AND FIRE DOORS ARE REGULATED BY THE AUTHORITY HAVING JURISDICTION. REFER TO ANSI STANDARD A117.1 FOR APPROACH REQUIREMENTS.

D5 ACCESSIBLE DOOR

A600 | SCALE: 3/16" = 1'-0"

GLAZING SCHEDULE

1. 1/4" TEMPERED CLEAR LOW-E GLASS
2. 1/4" ANEALED CLEAR LOW-E GLASS
3. PERFORATED METAL INFILL PANEL
4. EXISTING TEMPERED GLASS
5. EXISTING ANEALED GLASS

NOTE:
- INTERIOR DOORS & WINDOWS TO BE GLAZING TYPES 1 & 2
-TEMPERED GLASS WITHIN 4'-0" OF ANY DOOR/OPENING

GENERAL NOTES

A. THE CONTRACTOR IS TO VERIFY THE DIMENSIONS OF ALL OPENINGS PRIOR TO THE FABRICATION OF ALL DOORS AND FRAMES.
B. DUE TO MULTIPLE USE, SOME OF THE DETAILS REFERRED TO ON THE DOOR SCHEDULE ARE REVERSED OR TURNED FROM THE DIRECTION SHOWN ON THE FLOOR PLANS. THE INTENT OF THE DETAILS IS TO BE FOLLOWED. CONSULT THE ARCHITECT WHEN QUESTIONS ARISE.
C. ALL EXIT ACCESS DOORS AND EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT. USE OF MANUAL FLUSH BOLTS, EDGE BOLTS, TOP OR BOTTOM BOLTS, ETC., IS PROHIBITED.
D. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES WILL BE 5 SECONDS MINIMUM.
E. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE REQUIRED FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE 5 POUNDS. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.
F. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC DOORS, POWER ASSISTED DOORS, AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHEN NARROW STILE AND RAIL DOORS ARE USED, A 10" MINIMUM, SMOOTH PANEL, EXTENDING THE FULL WIDTH OF THE DOOR, SHALL BE INSTALLED ON THE PUSH SIDE(S) OF THE DOOR WHICH ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. CAVITIES CREATED BY KICK PLATES SHALL BE CAPPED.
G. ALL DOOR LOCKSETS AND PANIC DEVICES SHALL BE ADA COMPLIANT LEVER TYPE.
H. CAULK HEAD, JAMBS, AND SILLS OF ALL DOORS AND WINDOWS WITH SEALANT CONTINUOUSLY APPLIED TO BOTH SIDES OF THE FRAMES.
I. COORDINATE KEYING TYPE AND SCHEDULE WITH OWNER.
J. ALL DOOR CLOSURES TO BE SET IN ACCORDANCE WITH THE ADA REDUCED OPENING FORCE REQUIREMENTS.
K. SEE SPECIFICATIONS FOR DOOR HARDWARE. GLAZING OF CURTAIN WALL AND SUPPORT AS PER MANUFACTURER RECOMMENDATIONS. COORDINATE LOADS WITH STRUCTURAL PRIOR TO STEEL FABRICATION.

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PROFESSIONAL STAMP

LICENSED ARCHITECT CURTIS LELAND LIVINGSTON STATE OF UTAH

03/29/24

CONSULTANT INFORMATION

OWNER INFORMATION

CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

CCHS SECURE ENTRY VESTIBULE

12943 SOUTH 700 EAST
DRAPER, UTAH 84020

REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	MARCH 29, 2024
PROJECT #:	23-013
PM / PA:	KJM
PIC:	CLL

DRAWING SET STATUS

BID PACKAGE 1 BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

DOOR AND WINDOWS

SHEET NUMBER

A600

BACK TO < CVR

ABBREVIATIONS INDEX

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
#	NUMBER	MH	MANHOLE
AC	ALTERNATING CURRENT	MIC	MICROPHONE
A.F.F.	ABOVE FINISH FLOOR	MIN	MINIMUM
AIC	AMPS INTERRUPTING CAPACITY	MTG	MOUNTING
AM	AMPS METER	MTR	MOTOR
AMP	AMPERE	N/A	NOT APPLICABLE
ANN	ANNUNCIATOR	NC	NORMALLY CLOSED
ATS	AUTOMATIC TRANSFER SWITCH	NEC	NATIONAL ELECTRICAL CODE
AUX	AUXILIARY	NEMA	NATIONAL ELECT. MANUFAC. ASSOC.
AWG	AMERICAN WIRE GAUGE	NFPA	NATIONAL FIRE PROTECTION ASSOC.
BC	BARE COPPER	N.I.C.	NOT IN CONTRACT
BFG	BELOW FINISH GRADE	NO	NORMALLY OPENED
C	CONDUIT	NTS	NOT TO SCALE
CAB	CABINET	OS & Y	OUTSIDE SCREW & YOKE
CATB	COMMUNITY ANTENNA TELEVISION	PB	PUSHBUTTON
CATV	CABLE TELEVISION	PF	POWER FACTOR
CKT	CIRCUIT	PFR	PHASE FAILURE RELAY
CLG	CEILING	PNL	PANEL
CNTR	CONTRACTOR	PT	POTENTIAL TRANSFORMER
C.O.	CONDUIT ONLY	PVC	POLYVINYL CHLORIDE CONDUIT
CRT	COMPUTER TERMINAL	(R)	RELOCATE
CT	CURRENT TRANSFORMER	RECEP	RECEPTACLE
CU	COPPER	REQ	REQUIREMENT
C/W	COMPLETE WITH	RLA	RATED LOAD AMPS
DB	DECIBEL	RMP	ROCKY MOUNTAIN POWER
DC	DIRECT CURRENT	RMS	ROOT MEAN SQUARE
DWG	DRAWING	SE	SERVICE ENTRANCE
(E)	EXISTING TO REMAIN, UNLESS OTHERWISE NOTED	SPEC	SPECIFICATIONS
EC	EMPTY CONDUIT	SPKR	SPEAKER
EG	EMERGENCY GENERATOR	SS	SELECTOR SWITCH
EMT	ELECTRICAL METALLIC TUBING	SW	SWITCH
EX	EXPLOSION PROOF	SWBD	SWITCHBOARD
FACP	FIRE ALARM CONTROL PANEL	SWGR	SWITCHGEAR
FC	FOOT CANDLE	TTB	TELEPHONE TERMINAL BOARD
FT	FOOT	TTC	TELEPHONE TERMINAL CABINET
GFI	GROUND FAULT INTERRUPTER	TV	TELEVISION
GND	GROUND	TYP	TYPICAL
GRC	GALVANIZED RIGID CONDUIT	UG	UNDERGROUND
HP	HORSE POWER	UPS	UNINTERRUPTED POWER SUPPLY
HZ	HERTZ	V	VOLT (KV-KILOVOLT)
IFC	INTERNATIONAL FIRE CODE	VA/R	VOLT-AMPS/REACTIVE
IG	ISOLATED GROUND	VM	VOLT METER
IMC	INTERMEDIATE METALLIC CONDUIT	W	WATTS
IN	INCH	W/	WITH
J-BOX	JUNCTION BOX	WH	WATTHOUR METER
KV	KILOVOLT	W/O	WITHOUT
KVA	KILOVOLT AMPERES	WP	WEATHERPROOF
KVAR	KILOVARS	XFMR	TRANSFORMER
KW	KILOWATT	XFMR SW	TRANSFER SWITCH
LRA	LOCKED ROTOR AMPS	XP	EXPLOSION PROOF
LTG	LIGHTING	1P	SINGLE-PHASE
MNF	MANUFACTURER	2P	TWO-POLE
MAX	MAXIMUM	3P	THREE-POLE
MB	MAIN BUS	4P	FOUR-POLE
MCC	MOTOR CONTROL CENTER	∅	PHASE
MCM	1000 CIRCULAR MILLS		

SECURITY GENERAL NOTES

1. PRIOR TO STARTING ANY WORK THE DIV.28 VIDEO SURVEILLANCE CONTRACTOR SHALL COORDINATE A MEETING WITH THE OWNER TO REVIEW EACH SURVEILLANCE CAMERA LOCATION AND ROUGH-IN REQUIREMENTS. THE VIDEO SURVEILLANCE CONTRACTOR SHALL PROVIDE ALL OF THE CORRECT MOUNTING HARDWARE AND EQUIPMENT FOR EACH SURVEILLANCE CAMERA AND THE VIDEO SURVEILLANCE EQUIPMENT.
2. PRIOR PRIOR TO STARTING ANY WORK THE DIV.28 ACCESS CONTROL CONTRACTOR SHALL COORDINATE A MEETING WITH THE OWNNER, THE DIV.8 DOOR HARDWARE CONTRACTOR, AND THE DIV.26 ELECTRICAL CONTRACTOR TO REVIEW AND DISCUSS:
   A. DOOR HARDWARE SPECIFICATIONS AND DOOR ROUGH-IN REQUIREMENTS.
   B. WHAT ELECTRIFIED DOOR HARDWARE EQUIPMENT IS GETTING INSTALLED ON EACH DOOR.
   C. THE FAIL-SAFE OR FAIL-SECURE OPERATION FOR THE ELECTRIFIED DOOR HARDWARE.
   D. (IF APPLICABLE) THE OPERATION HOW THE ADA EQUIPMENT WILL NEED TO FUNCTION WITH THE ACCESS CONTROL EQUIPMENT.
   E. THE POWER REQUIREMENTS FOR ALL OF THE ELECTRIFIED HARDWARE.
   F. HOW EACH DOOR WILL NEED TO BE PROGRAMMED TO OPERATE DURING BUSINESS HOURS, AFTER HOURS, SCHEDULED TIMES, LOCKDOWNS, EMERGENCY SITUATIONS, FIRE ALARMS, ETC.
   G. THE FIRE ALARM INTERFACE AND THE OPERATION WITH THE ACCESS CONTROL SYSTEM AND THE EQUIPMENT THAT IS NEEDED.
   H. WHICH AREAS IN THE EF/ER/TR ROOM IS TO BE UTILIZED TO INSTALL ACCESS CONTROL HEAD-END PANEL(S) AND THE ELECTRIFIED DOOR HARDWARE POWER SUPPLIES.
   I. \WHICH ELECTRICAL CURCUIT THE ACCESS CONTROL HEAD-END PANELS AND ELECTRIFIED DOOR HARDWARE POWER SUPPLIES SHOULD BE CURCUITED/CONNECTED TO (EMERGENCY POWER OR A STANDARD CURCUIT).
   J. CONFIRM WHO WILL BE PROVIDING & INSTALLING THE DOOR POSITION CONTACTS FOR THE ACCESS CONTROL SYSTEM (DIV.8 OR DIV.28 CONTRACTOR.
3. PROVIDE ALL SPECIFIED AND NON-SPECIFIED COMPONENTS IN ORDER TO PROVIDE A COMPLETE AND A FULLY FUNCTIONAL ACCESS CONTROL & VIDEO SURVEILLANCE SYSTEM.
4. SECURITY INTEGRATOR SHALL CAREFULLY REVIEW THE REFLECTED CEILING PLANS AND ARCHITECTURAL ELEVATIONS FOR COMPONENT INSTALLATION.
5. SECURITY INTEGRATOR SHALL CAREFULLY REVIEW DOOR HARDWARE SUBMITTAL AND SUMMARIZE DISCREPANCIES TO TEAM.
6. EQUIPMENT COUNTS ARE PROVIDED FOR INFORMATION ONLY AT A CONVENIENCE TO THE CONTRACTOR. IT STILL REMAINS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DRAWING QUANTITIES. IF A DISCREPANCY ARISES BETWEEN THE SCHEDULE COUNTS AND THE DRAWING COUNTS, THE HIGHEST QUANTITY SHALL BE INCLUDED IN THE BID.
7. ACCESS CONTROL SYSTEM SHALL INCLUDE ANY RELAYS, EXTERNAL POWER SUPPLIES, AUXILIARY DEVICES OR INPUT/OUTPUT MODULES REQUIRED TO SUPPORT DOOR TYPE INDICATED FOR COMPLETE AND FUNCTIONING CARD READER AND DOOR CONTROL.
8. THE ACCESS CONTROL SYSTEM SHALL INCLUDE ANY CONTROL MODULES, RELAYS, EXTERNAL POWER SUPPLIES, AUXILIARY DEVICES OR INPUT/OUTPUT MODULES THAT ARE REQUIRED TO SUPPORT DOOR TYPES AS INDICATED. PROVIDE A COMPLETE AND A FULLY FUNCTIONAL ACCESS CONTROL, CARD READER, AND DOOR CONTROL SYSTEM.
9. ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
10. INSTALL AND PROGRAM THE ACCESS CONTROL AND THE IP VIDEO SURVEILLANCE SYSTEMS TO THE MANUFACTURER'S INSTRUCTIONS, SPECIFICATIONS, INDUSTRIES STANDARDS, AND TO THE OWNER'S REQUIREMENTS.
11. CONTRACTOR(S) SHALL PROMPTLY NOTIFY ENGINEER PRIOR TO INSTALLATION OF WORK IF ANY OF THE SECURITY DEVICE LOCATIONS THAT ARE SHOWN IN THE SECURITY DRAWINGS ARE OBSTRUCTED.

EXISTING SYSTEMS INFORMATION AND VENDOR CONTACTS (INCLUDE WITHIN BID)

BIDDING DIVISION 26 CONTRACTOR RESPONSIBLE FOR EXPANDING EXISTING SYSTEMS FOR THIS REMODEL PROJECT. PROVIDE A TURN-KEY SOLUTION AND BUILD-OUT FOR ALL IMPACTED SYSTEMS E.G. FIRE ALARM, AND ACCESS CONTROL.

FIRE ALARM SYSTEM - EXISTING MICROM FX-2000 SYSTEM

COMPANY	MICROM FX-2000 SYSTEM
CONTACT	POWERED CONTROLS SYSTEMS
CELL PHONE NO.	(801) 916-6710
OFFICE PHONE NO.	(801) 576-6634
EMAIL	nelson@powereedcontrolsystems.com

EXTEND EXISTING FIRE ALARM INTIATION/NOTIFICATION CIRCUITS TO ACCOMMODATE NEW FIRE ALARM DEVICES AS REQUIRED. MATCH SYSTEM WIRING. UPDATE PROGRAMMING.

ACCESS CONTROL SYSTEM - EXISTING LENEL SYSTEM

COMPANY	STONE SECURITY
CONTACT	JOEY EDMUNDS
CELL PHONE NO.	801-910-8155
OFFICE PHONE NO.	1-877-888-0129
EMAIL	joey@stonesecurity.net

PROVIDE CARD READERS AND ACCESS CONTROL CIRCUITS AS REQUIRED. PROVIDE NEW MODULE CARDS AND ASSOCIATED EQUIPMENT REQUIRED. UPDATE PROGRAMMING.

SYMBOL SCHEDULE

NOTES:

1. SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.
2. HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISHED FLOOR.
3. REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.
4. SUBSCRIPT INDICATES FIXTURES TO BE CONTROLLED.
5. NEMA TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 480 V.
6. HEIGHT MEASURED TO TOP OF THE BOX FROM FINISHED FLOOR.
7. PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED.
8. DOUBLE ARROWS INDICATES A DOUBLE FACE UNIT.
9. DEVICES NOTED WITH AN 'A' INDICATE TO COORDINATE WITH MILLWORK SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT.
10. SUBSCRIPT INDICATES NEMA CONFIGURATION.
11. SOLID BOX AROUND DEVICE INDICATES INSTALLED IN FLOOR. DASHED BOX AROUND DEVICE INDICATES INSTALLED IN CEILING.
12. COORDINATE WITH DOOR HARDWARE SUPPLIER.
13. FOR WATER COOLER LOCATION, SEE DIAGRAM R002. FOR ALL OTHER LOCATIONS, MOUNT AT +16" TO BOTTOM OF BOX FROM FINISHED FLOOR, OR AS NOTED.
14. ARROWS SHOWN ON DEVICE INDICATE SENSOR AIMING DIRECTION.
15. CAMERA NUMBERS ARE SHOWN INSIDE THE CAMERA SYMBOL. CAMERA TYPES ARE INDICATED IN TAG.
16. MOUNT ON TRACK OF OVERHEAD DOOR, 6" FROM TOP OF DOOR, UNLESS OVERHEAD DOOR IS A ROLL UP DOOR, THEN MOUNT PER MANUFACTURER'S INSTRUCTIONS.
17. INSTALL DEVICES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
18. DASHED LINE INDICATES EQUIPMENT CLEARANCES. ARROW INDICATES FRONT OF RACK.
19. SPEAKER TO BE MOUNTED IN HORIZONTAL POSITION.
20. MOUNTING HEIGHT IS TO BOTTOM OF DISPLAY.

*TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED ON THIS SET OF DRAWINGS.

STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS

GENERAL

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
	ONE CIRCUIT, HOME RUN TO PANEL		
	2 CIRCUIT, HOME RUN TO PANEL		
	3 CIRCUIT, HOME RUN TO PANEL		
	CONDUIT RUN CONCEALED IN WALL OR CEILING		
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND		
	CONDUIT UP		
	CONDUIT DOWN		
	CONDUIT STUB LOCATION	CAP CONDUIT	
	CONDUIT / CIRCUIT CONTINUATION		

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
	EQUIPMENT PANEL, SEE DRAWINGS	+72"	6.
	CABLE TRAY	AS NOTED	
	GROUND BUS BAR	+18"	6.
X	LIGHT FIXTURE (LETTER DESIGNATES TYPE)		
X	EQUIPMENT NUMBER		
X	ARCHITECTURAL ROOM NUMBER		
X	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE		
X	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE / LEGEND		

FIRE ALARM

	BELL	+94"	2.
C	CHIME / STROBE	+94" / CEILING	2.
F	FIRE ALARM MANUAL STATION	+46"	2.
H	FIRE ALARM SIGNAL HORN / STROBE	+94" / CEILING	2.
H CLG	CONCEALED FIRE ALARM HORN / STROBE	CEILING	
H	CONCEALED FIRE ALARM HORN / STROBE WALL	+94"	2.
E	FIRE ALARM SPEAKER / STROBE	+94" / CEILING	2.
E CLG	CONCEALED FIRE ALARM SPEAKER / STROBE	CEILING	
E	CONCEALED FIRE ALARM SPEAKER / STROBE WALL	+94"	2.
S	FIRE ALARM STROBE	+94" / CEILING	2.
S CLG	CONCEALED FIRE ALARM STROBE	CEILING	
S	CONCEALED FIRE ALARM STROBE WALL	+94"	2.
K	FIRE ALARM SPEAKER ONLY	+94" / CEILING	2.
B	FIRE ALARM STROBE WITH BLUE COLORED LENS (CO VISUAL ALARM)	+94" / CEILING	2.
ANN	FIRE ALARM ANNUNCIATOR PANEL	+58"	2. SEE DIAGRAM
V	ASPIRATING SMOKE DETECTION SYSTEM	CEILING	MOUNT AS PER MFR.
B	BEAM DETECTOR		MOUNT AS PER MFR.

S	SMOKE DETECTOR	CEILING	
SC	SMOKE/CARBON MONOXIDE DETECTOR	CEILING	
C	CARBON MONOXIDE DETECTOR	CEILING	
H	HEAT DETECTOR	CEILING	
D	DUCT SMOKE DETECTOR		MTD. IN DUCT
D	FIRE/SMOKE DAMPER		
	DOOR HOLDER	AS NOTED	
FS	FLOW SWITCH		
TS	TAMPER SWITCH		
WF	WATER FLOOD INDICATOR		
	O.S. & Y. VALVE		SEE DIAGRAM
R	FIRE ALARM RELAY OR SECURITY RELAY		
CM	FIRE ALARM CONTROL MODULE		
MM	FIRE ALARM MONITOR MODULE		
TWZ	TWO-WAY COMMUNICATION SYSTEM CONTROL PANEL	+46"	2.
TW	TWO-WAY COMMUNICATION SYSTEM CALL STATION	+46"	2.
R	FIRE ALARM RELAY		

SECURITY

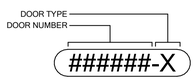
##	IP CAMERA - SEE SCHEDULE	AS NOTED	14. 15.
NVR	NETWORK VIDEO RECORDER		
DC 1	SECURITY SYSTEM DOOR CONTACT	DOOR JAMB	
DC 2	SECURITY SYSTEM GARAGE DOOR CONTACT	+96" OR AS NOTED	17.
XX X	DB = DURESS BUTTON, DR = DOOR RELEASE T = TRANSMITTER, R = RECEIVER, H = HARDWIRED	AS NOTED	17.
MD MD	INTRUSION MOTION DETECTOR SOLID = WALL MOUNTED, DASHED = CEILING		17.
GB GB	GLASS BREAK DETECTOR: SOLID = WALL MOUNTED, DASHED = CEILING		17.
AS AS	ALARM SIREN		17.
PI	INTRUSION SYSTEM POP-IT		17.
KP	INTRUSION SYSTEM KEYPAD (ARM/DISARM)	+46"	2.
INT	INTERCOM STATION	+46"	2.
ML	MAGNETIC LOCK		

DH	DOOR HOLD OPEN	AS NOTED	17.
ES	ELECTRIC DOOR STRIKE	DOOR JAMB	12.
DP	DOOR POSITION INTRUSION SWITCH	DOOR JAMB	12.
EL	ELECTRIC DOOR LOCK	DOOR JAMB	12.
RX	ACCESS CONTROL SYSTEM, REQUEST TO EXIT		17.
EC	ELECTRIC CRASH BAR	DOOR HARDWARE	12.
CR	ACCESS CONTROL CARD READER	+46"	2.
BR	ACCESS CONTROL BIOMETRIC READER	+46"	2.
KS	KEY OVERRIDE SWITCH	+46"	2.
ICR	INTEGRATED CARD READER AND LOCK	+46"	2.
KCR	KEYPAD CARD READER COMBO	+46"	2.
X	MOMENTARY PUSH BUTTON. DR = DOOR RELEASE, LD = LOCKDOWN, PTE = PUSH TO EXIT	AS NOTED	9.
R	SECURITY RELAY		

COLOR LEGEND

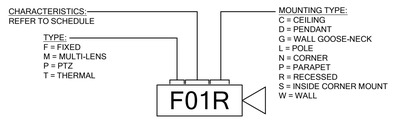
	LIGHTING FIXTURES		POWER DEVICES		AUDIOVISUAL
	LIGHTING DEVICES		TELECOMMUNICATIONS		SECURITY
	POWER EQUIPMENT		FIRE ALARM		NURSECALL
	CABLE TRAY		CONDUIT		

ACCESS CONTROL TAG LEGEND



SEE THE "ACCESS CONTROL TYPE SCHEDULE" FOR DOOR TYPES

CAMERA SURVEILLANCE TAG LEGEND



SEE THE "CAMERA SURVEILLANCE SCHEDULE" FOR CAMERA TYPES

ACCESS CONTROL TYPE SCHEDULE

LEGEND:

CR = ACCESS CONTROL CREDENTIAL CARD READER
KCR = ACCESS CONTROL CREDENTIAL CARD READER WITH KEYPAD
DC = ACCESS CONTROL DOOR / WINDOW / CONTACT
PE = PUSH TO EXIT BUTTON
BR = ACCESS CONTROL BIOMETRIC READER...
ICR = INTEGRATED LOCKSET WITH CREDENTIAL CARD READER
DP = INTRUSION DETECTION DOOR / WINDOW CONTACT
RX = ACCESS CONTROL REQUEST TO EXIT MOTION

TYPE	DOOR DESCRIPTION	CREDENTIAL				DOOR CONTACT		EXIT DEVICES		NOTES
		CR	BR	KCR	ICR	DC	DP	PE	RX	
A	SINGLE DOOR	1	0	0	0	0	0	0	0	REFER TO THE 'SECURITY GENERAL NOTES' #2
B	SINGLE DOOR	2	0	0	0	0	0	0	0	REFER TO THE 'SECURITY GENERAL NOTES' #2
C	DOUBLE DOOR	1	0	0	0	0	0	0	0	REFER TO THE 'SECURITY GENERAL NOTES' #2

CAMERA SURVEILLANCE TYPE SCHEDULE

TYPE	DESCRIPTION	MANF R.	CAT NO.	CAMERA INFORMATION				NOTES
				RESOLUTION	AUDIO RECORDING	MAX FRAME RATE	INFRARED	
M01C	MULTIDIRECTIONAL (QUAD) DOME CAMERA-CEIILING MOUNT	AXIS	P3737-PLE	4x5 MP (20 MP)	No	30 FPS	Yes	REFER TO THE 'SECURITY GENERAL NOTES' #1
M01W	MULTIDIRECTIONAL (QUAD) DOME CAMERA-WALL MOUNT	AXIS	P3737-PLE	4x5 MP (20 MP)	No	30 FPS	Yes	REFER TO THE 'SECURITY GENERAL NOTES' #1

SHEET INDEX

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CANYONS SCHOOL DISTRICT

PROJECT TITLE AND ADDRESS

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REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	MARCH 29, 2024
PROJECT #:	23-013
PM / PA:	BNA
PIC:	DSB

DRAWING SET STATUS

BID PACKAGE 1 BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

SYMBOLS, SCHEDULES, AND NOTES

SHEET NUMBER

E001

BACK TO < CVR

DIAGRAM NOTE:

1. PROVIDE A 3/4" CONDUIT FROM MANUFACTURER'S SUGGESTED J-BOX TO ACCESSIBLE CEILING SPACE. PROVIDE SPECIFIED CABLE RACEWAY TO ROUTE CABLING TO DESIGNATED EQUIPMENT RACK WITH CABLE SERVICE LOOPS ON EACH END.

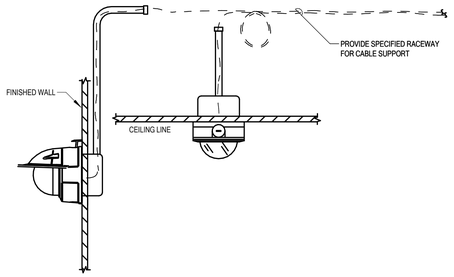


DIAGRAM EY401 TYPICAL SURVEILLANCE CAMERAS MOUNTING
NTS

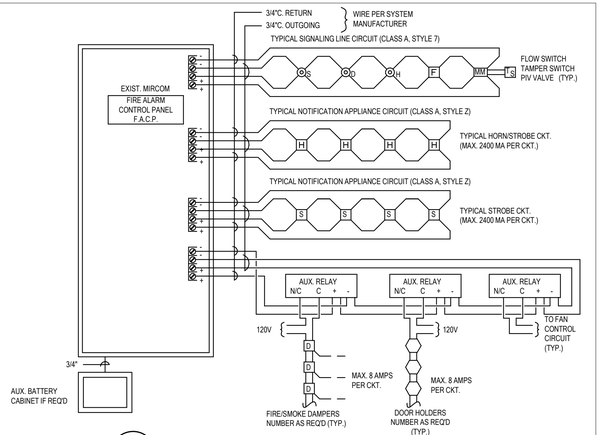


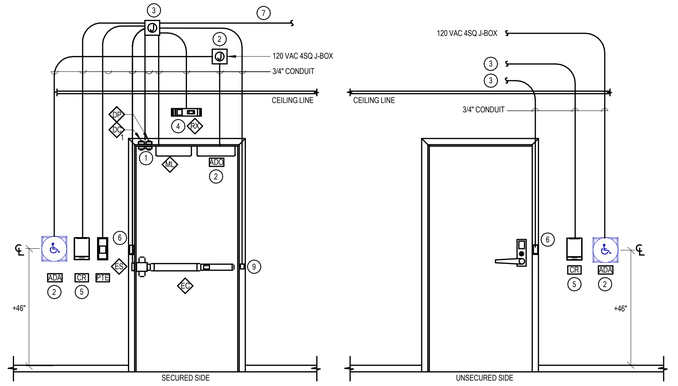
DIAGRAM D002 TYPICAL FIRE ALARM RISER
NTS

DIAGRAM KEYNOTES:

1. MOUNT THE ACCESS CONTROL DOOR POSITION CONTACT 3-6" AWAY FROM LATCHING SIDE OF THE DOOR.
2. REFER TO DIV.8 SPECIFICATIONS FOR ADA EQUIPMENT TYPES, AND POWER SHEET PLANS FOR DEVICE LOCATIONS. PROVIDE 3/4" CONDUIT FROM ADA TO 4SQ J-BOX WITH COVER LOCATED IN ACCESSIBLE CEILING SPACE ON SECURE SIDE OF DOOR.
3. PROVIDE MANUFACTURER SUGGESTED J-BOX WITH 3/4" CONDUIT FROM ELECTRIFIED DOOR HARDWARE EQUIPMENT AND ANY OTHER INSTALLED END DEVICES TO 4SQ J-BOX W/ COVER LOCATED IN ACCESSIBLE CEILING SPACE ON SECURE SIDE OF DOOR.
4. PROVIDE HORIZONTAL SINGLE GANG J-BOX WITH 3/4" CONDUIT FOR REQUEST TO EXIT MOTION.
5. PROVIDE 4SQ J-BOX WITH VERTICAL SINGLE GANG MUD RING AND 3/4" CONDUIT FOR STANDARD SIZE CREDENTIAL CARD READER.
6. ROUTE DEVICE CABLING THROUGH DOOR FRAME OR MULLIONS. MOUNT DEVICES DIRECTLY TO THE DOOR FRAME OR MULLION WITHOUT J-BOX.
7. PROVIDE SPECIFIED J-HOOKS OR CONDUIT.
8. PROVIDE EXTERIOR CABLING QUICK-DISCONNECT AT THE TOP OF DOOR FRAME FOR ELECTRIC STRIKE(S) ON REMOVABLE MULLIONS.
9. ELECTRIC POWER TRANSFER HING / ELECTRIC HINGE / ELECTRIC POWER TRANSFER LOOP (SEE DIV.8 SPEC).

NOTE:

DEVICES SHOWN ON THESE DIAGRAMS ARE NOT TO SCALE AND ANY/ALL MAY OR MAY NOT BE REQUIRED. DIAGRAM REPRESENTS TYPICAL ROUGH-IN AND DEVICE LOCATIONS. CONTRACTOR MUST REFER TO DIV. 8 SPECIFICATIONS FOR ELECTRIFIED DOOR EQUIPMENT TYPES AND THE SECURITY DRAWINGS FOR ACCESS CONTROL DEVICE LOCATIONS.



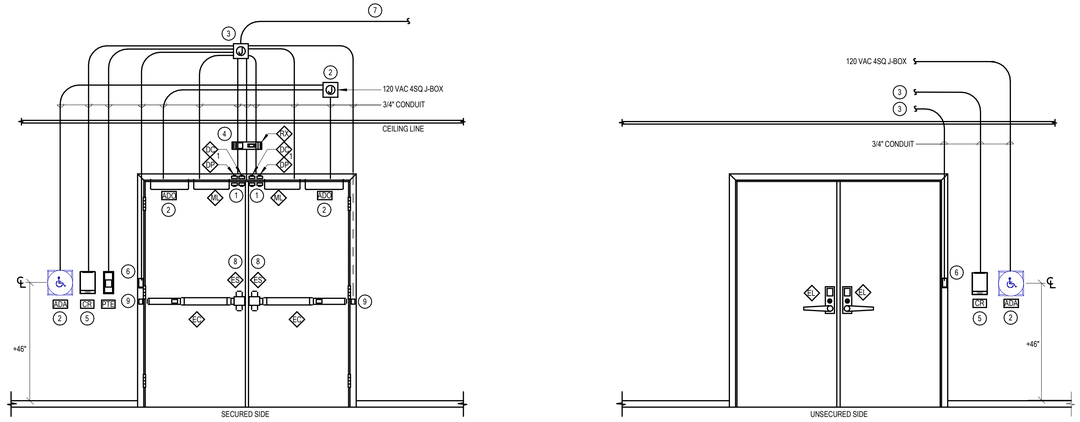


DIAGRAM EY101 TYPICAL ACCESS CONTROL & ELECTRIFIED DOOR HARDWARE DIAGRAMS
NTS

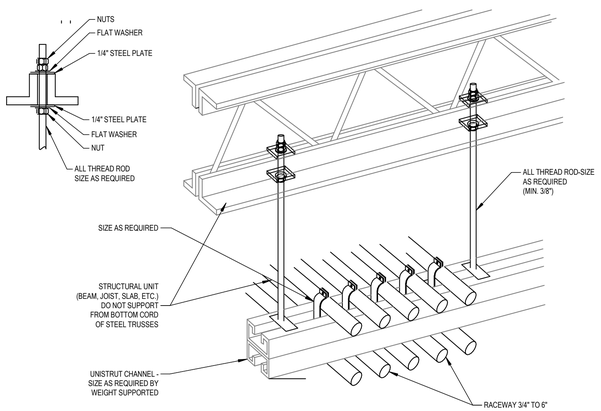


DIAGRAM H001 TYPICAL TRAPEZE CONDUIT RACK
NTS

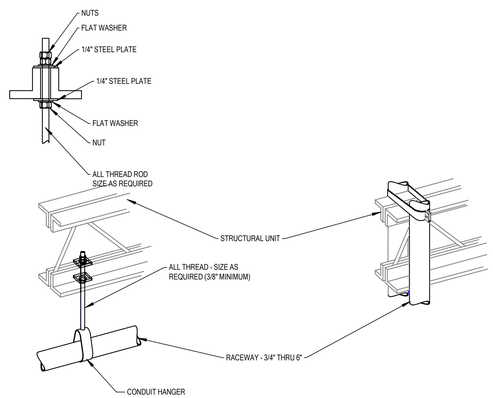


DIAGRAM H003 TYPICAL RACEWAY SUPPORT METHODS
NTS

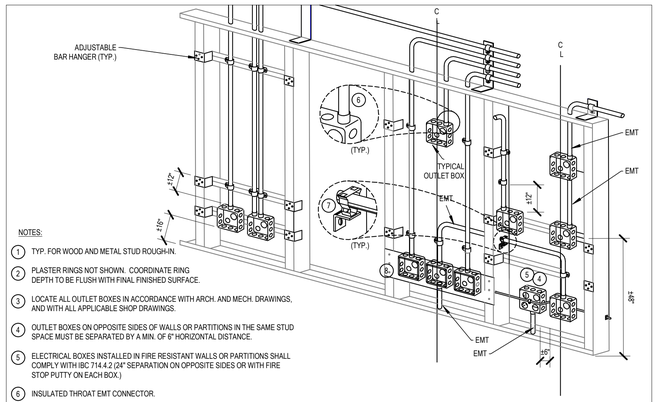


DIAGRAM H004 TYPICAL ROUGH IN REQUIREMENTS
NTS

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REVISIONS

△	DESCRIPTION	DATE

PROJECT INFORMATION

DATE:	MARCH 29, 2024
PROJECT #:	23-013
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PIC:	DSB

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BID PACKAGE 1 BID SET

THIS DRAWING SET IS INTENDED TO BE PRINTED IN COLOR

SHEET TITLE

ELECTRICAL DIAGRAMS

SHEET NUMBER

E061

BACK TO < CVR

GENERAL DIAGRAM NOTES:

1. PROVIDE NEW ACCESS CONTROL DEVICES AS INDICATED ON THE DRAWINGS. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION. CONFIRM ALL WIRING REQUIREMENTS WITH INTRUSION DETECTION SYSTEM SUPPLIER AND PROVIDE IN ACCORDANCE THEREWITH.
2. NOT USED.
3. THE SYSTEM SHALL BE PROGRAMMED PER ALL OWNERS REQUIREMENTS. VERIFY PRIOR TO ANY PROGRAMMING.
4. WIRING SHALL BE CONTINUOUS FROM ONE DEVICE TO ANOTHER. NO SPLICING IS ALLOWED. PROVIDE INTRUSION DETECTION MAP OF THE BUILDING SHOWING ALL INTRUSION DETECTION SYSTEM DEVICES. LOCATE MAP AT THE CONTROL PANEL.
5. WIRING SHALL BE CONTINUOUS FROM ONE DEVICE TO ANOTHER. NO SPLICING IS ALLOWED. PROVIDE INTRUSION DETECTION MAP OF THE BUILDING SHOWING ALL INTRUSION DETECTION SYSTEM DEVICES. LOCATE MAP AT THE CONTROL PANEL.
6. ALL SECURITY CABLING SHALL BE RUN IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 3/4". ALL JUNCTION BOXES SHALL BE PAINTED AND LABELED PER ALL OWNER REQUIREMENTS.
7. NOT USED.
8. THE SECURITY SYSTEMS SUPPLIER SHALL PROVIDE COMPUTER DRAFTED SHOP DRAWINGS OF THE ENTIRE INTRUSION DETECTION SYSTEM USING FLOOR PLANS PROVIDED BY THE ENGINEER. SHOP DRAWINGS TO INCLUDE PLANS, SECTIONS,ELEVATIONS, FINAL DEVICE LOCATIONS, CONDUIT SIZE AND ROUTING AND ALLCONDUCTOR SIZES. TYPICAL RISERS AND COPYING AND SUBMITTING THECONTRACT DOCUMENTS WILL NOT BE ACCEPTED.

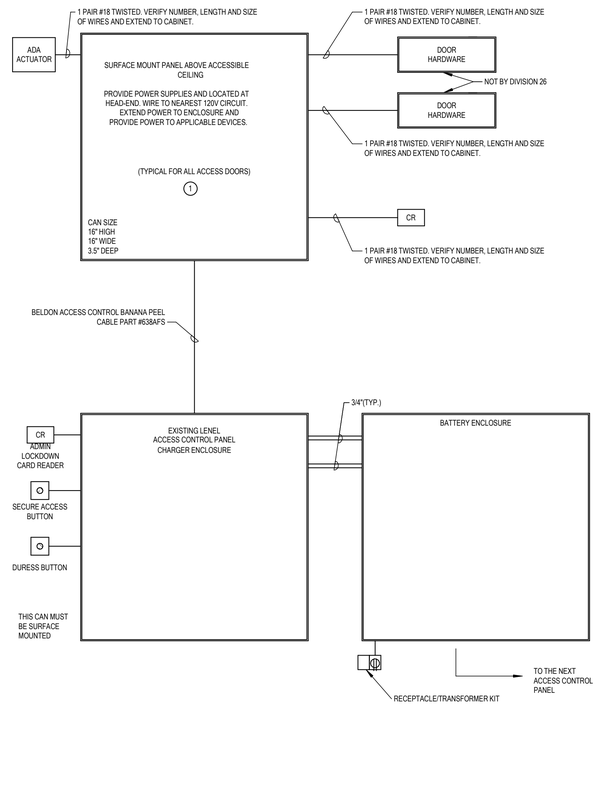

DIAGRAM EY008 TYPICAL ACCESS CONTROL SYSTEM
NTS

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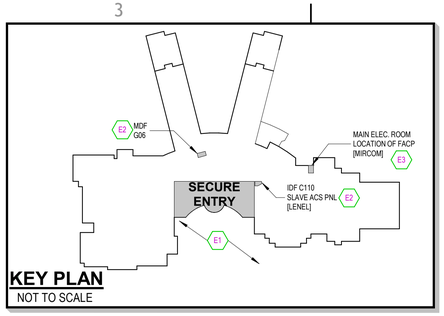
ELECTRICAL DIAGRAMS

SHEET NUMBER

E062

BACK TO < CVR



GENERAL SHEET NOTES

1. DIVISION 26 SHALL CONFIRM EXACT LOCATION OF EXISTING AND NEW EQUIPMENT WITH OWNERS. FIXTURE LOCATIONS ARE DIAGRAMMATICALLY SHOWN ON THE DRAWINGS. EXISTING ELECTRICAL FIXTURES, DEVICES, EQUIPMENT, CIRCUITING AND/OR CIRCUITING AND/OR CONDUITS ARE NOT SPECIFIED UNLESS NOTED ON DRAWINGS. FINAL ROUTING OF THE CONDUITS, CIRCUITING AND CABLING SHALL BE DETERMINED BY THE CONTRACTOR AND CLOSELY COORDINATED WITH OWNER. ALL EXISTING CONDITIONS MUST BE VERIFIED WITHOUT EXCEPTION.
2. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING DEMOLITION DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
3. DURING DEMOLITION AND NEW CONSTRUCTION, THE CONTINUATION OF BUILDING SYSTEMS MAY BE NECESSARY. TRACE AND IDENTIFY EXISTING ELECTRICAL SYSTEM (POWER, LIGHTING, FIRE ALARM AND SECURITY) WIRING IN AREAS PRIOR TO DEMOLITION. ELECTRICAL CONTRACTOR SHALL DISCONNECT ALL NECESSARY EQUIPMENT TO MAKE IT SAFE FOR DEMOLITION. WHERE LIVE CIRCUITS OR FEEDERS PASS THROUGH A REMODEL AREA, CONTRACTOR SHALL MAINTAIN ELECTRIC CONTINUITY TO AND PROTECT BRANCH CIRCUITS AND/OR FEEDERS PASSING THROUGH. WHERE FEEDERS AND/OR BRANCH CIRCUITS FEED BOTH LOADS IN A REMODELED AREA AND OUTSIDE OF A REMODELED AREA, CONTRACTOR SHALL DISCONNECT AND REMOVE PORTIONS OF THE ELECTRICAL BRANCH CIRCUITS AND/OR FEEDERS WITHIN THE REMODELED AREA AND REWORK BRANCH CIRCUITS AND/OR FEEDERS TO MAINTAIN ELECTRICAL CONTINUITY TO LOADS OUTSIDE OF THE REMODELED AREA.
4. DEVICES AND EQUIPMENT TO BE DEMOLISHED SHALL BE REMOVED, INCLUDING ALL RELATED CONDUCTORS, RACEWAY, JUNCTION AND SPLICE BOXES UP TO THE PANELBOARD/SWITCHBOARD. ALL CONDUITS AND BOXES THAT ARE SURFACE MOUNTED AND NO LONGER REQUIRE ACTIVE CIRCUITS SHALL BE COMPLETELY REMOVED. DEVICES TO BE REMOVED ON DRYWALL OR PLASTER TYPE WALLS THAT ARE TO REMAIN SHALL HAVE THE WALL SURFACE PATCHED TO MATCH THE EXISTING FINISH. THE CONTRACTOR SHALL IDENTIFY ALL DEMOLISHED AND ABANDONED BRANCH CIRCUITS. THESE SHALL BE NOTED AS SPARE ON PANELBOARD SCHEDULES. THIS INCLUDES IDENTIFYING EXISTING ABANDONED AND SPARE CIRCUITS THAT ARE CURRENTLY IDENTIFIED AS USED. THE CONTRACTOR SHALL FURNISH NEW TYPED DIRECTORIES FOR ALL PANELBOARDS.
5. THE OWNER HAS THE RIGHT TO RETAIN ALL SALVAGEABLE MATERIAL. ANY MATERIAL THE OWNER CHOOSES NOT TO ACCEPT SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR.
6. FULLY COORDINATE MECHANICAL EQUIPMENT ELECTRICAL CONNECTION REMOVAL AND RELOCATION WITH THE MECHANICAL CONTRACTOR.
7. CONTRACTOR TO VERIFY THAT ALL EXISTING EQUIPMENT THAT IS TO REMAIN, BE REMOVED AND RE-INSTALLED ARE IN WORKING CONDITIONS. CONTRACTOR IS TO PROVIDE OWNER WRITTEN DOCUMENTATION OF ANY ITEMS NOT IN WORKING CONDITION PRIOR TO COMMENCING WORK IN AN AREA.
8. CONTRACTOR IS TO PROTECT IN PLACE ALL MECHANICAL, PLUMBING, ELECTRICAL ABOVE CEILINGS. THIS MAY INCLUDE BUT NOT LIMITED TO: NETWORK CABLING, COAX CABLING, CONDUITS, PIPING, DUCTWORK, ETC. PROVIDE ADDITIONAL CABLING SUPPORTS AS REQUIRED FOR ANY UNSUPPORTED CABLING, RACEWAY, ETC.
9. WHERE DEVICES OR EQUIPMENT IS TO BE RELOCATED, CONTRACTOR SHALL EXTEND EXISTING CIRCUITING TO NEW LOCATION. ENSURE CIRCUIT CONTINUITY FOR OTHER DEVICES OR EQUIPMENT ON THE SAME BRANCH CIRCUIT.
10. SEE NEW SYSTEMS SHEETS FOR NEW FIRE ALARM INFORMATION.
11. COORDINATE THE DEMOLITION, PATCH, AND REPAIR OF CEILING FOR ALL LIGHTING AND ELECTRICAL APPARATUSES IN THIS AREA. DISCONNECT AND RE-CONNECT AS REQUIRED TO MAINTAIN ALL SYSTEMS.
12. DEVICES NOTED WITH SUBSCRIPT '(E)' DENOTES THE DEVICES ARE EXISTING AND TO REMAIN UNTOUCHED DURING DEMOLITION, UNLESS OTHERWISE NOTED.

SHEET KEYNOTES

D1 NO ANTICIPATED CONSTRUCTION IN AREA, UNLESS OTHERWISE NOTED. PROTECT EXISTING ELECTRICAL APPARATUSES AND ELECTRIFIED EQUIPMENT FOR EXISTING FACILITIES AS REQUIRED. RELOCATE, REWIRE, AND/OR RECONNECT EXISTING ELECTRICAL DEVICES AND/OR EQUIPMENT THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.

D3 REMOVE EXISTING RECESSED DOWNLIGHT LIGHT FIXTURES AS SHOWN. VERIFY EXISTING CIRCUITING CONDITIONS AND MAINTAIN CIRCUIT INTEGRITY OF ANY ADDITIONAL LIGHT FIXTURES NOT SHOWN BUT WIRED TO THE EXISTING CIRCUIT. LABEL APPROPRIATELY, AND RETURN TO OWNER, OR PROPERLY DISPOSE OF FIXTURES THAT THE OWNER CHOOSES NOT TO KEEP. SEE E200 SERIES SHEETS FOR NEW REQUIREMENTS.

D4 EXISTING CEILING MOUNTED IP SURVEILLANCE CAMERA TO BE REMOVED AND REPLACED WITH NEW. SEE SHEET E111 FOR NEW REQUIREMENTS.

D5 EXISTING CEILING MOUNTED IP SURVEILLANCE CAMERA TO BE REMOVED, REPLACED WITH NEW, AND MOVED TO A NEW LOCATION. EXTENDING EXISTING WIRING TO NEW LOCATION AS REQUIRED. GC TO PATCH AND REPAIR CEILING AS REQUIRED. SEE SHEET E111 FOR NEW REQUIREMENTS.

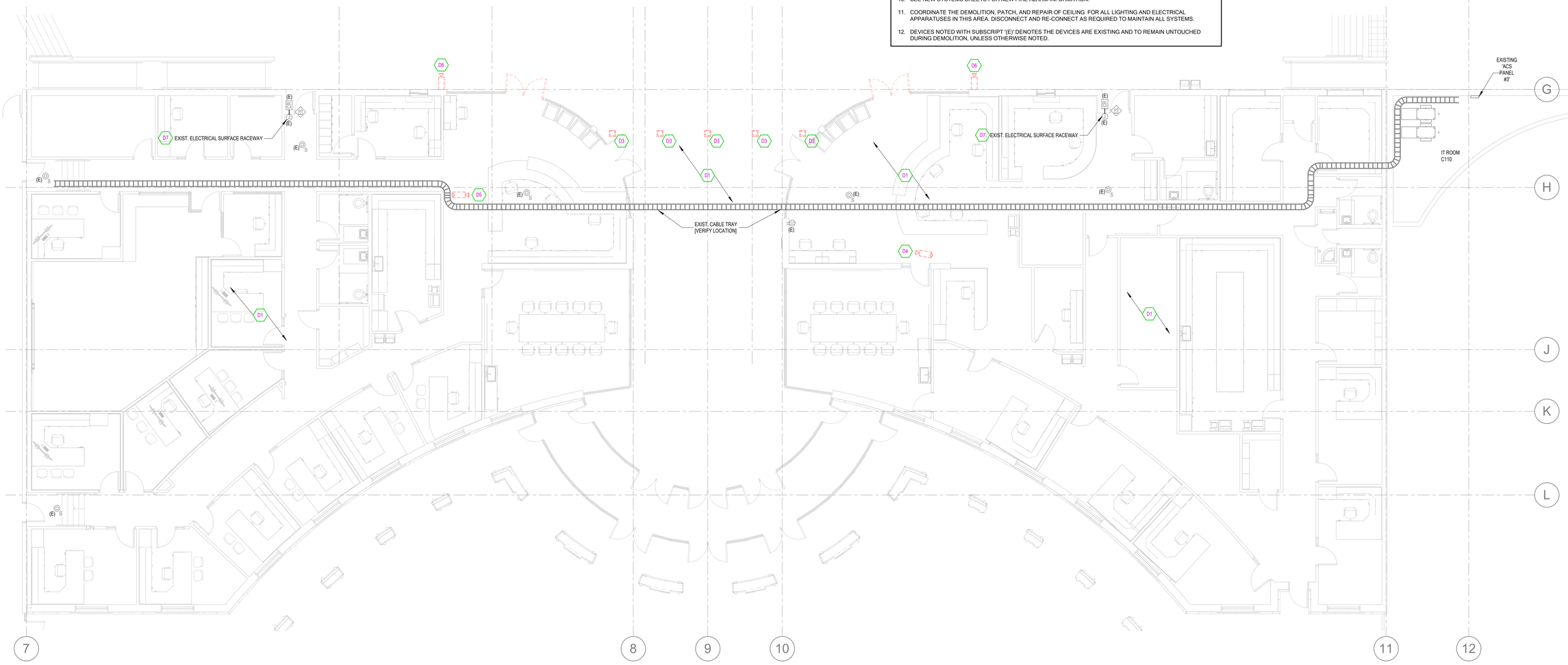
D6 EXISTING CEILING MOUNTED IP SURVEILLANCE CAMERA TO BE REMOVED, REPLACED WITH NEW CAMERA AND WALL MOUNT. SEE SHEET E111 FOR NEW REQUIREMENTS.

D7 SURFACE RACEWAY MOUNTED ON EXISTING WALL TO SUPPLY WIRING TO EXISTING CORRIDOR MOUNTED CARD READER. UTILIZE EXISTING RACEWAY AND CABLING TO INSTALL NEW CARD READER ON THE OFFICE SIDE. PROVIDE NECESSARY CABLING TO TIE EXISTING CARD READER AND NEW CARDER TOGETHER. SEE SHEET E111 FOR NEW REQUIREMENTS.

E1 BIDDING DIVISION 26,27, AND 28 CONTRACTOR(S) RESPONSIBLE FOR EXPANDING EXISTING SYSTEMS FOR THE REMODELED AREAS. PROVIDE A TURN-KEY SOLUTION AND BUILD-OUT FOR ALL IMPACTED SYSTEMS I.E. NETWORK, FIRE ALARM, AND INTERCOM.

E2 EXISTING LENEL ACCESS CONTROL HEAD-END PANEL LOCATED IN MDF AND SLAVE PANEL #3 LOCATED IN IDF C110. PROVIDE NEW ENCLOSURE, NEW CARD READERS, CONTROLLERS, AND ACCESS CONTROL CIRCUITS, BATTERIES, ETC. TIE NEW ENCLOSURE TO EXISTING ACS PANEL #3.. SEE SHEET E111 FOR NEW REQUIREMENTS.

E3 EXISTING MIRCOM MAIN FIRE ALARM PANEL LOCATED IN THE MAIN ELECTRICAL ROOM. EXTEND EXISTING FIRE ALARM INITIATION/NOTIFICATION CIRCUITS TO ACCOMMODATE NEW FIRE ALARM DEVICES SHOWN AND AS REQUIRED. MATCH SYSTEM WIRING. SEE SHEET E111 FOR NEW REQUIREMENTS.



ELECTRICAL DEMOLTION FLOOR PLAN
SCALE = 1/8" = 1'-0"

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REVISIONS

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SHEET TITLE

ELECTRICAL DEMOLITION FLOOR PLAN

SHEET NUMBER

ED101

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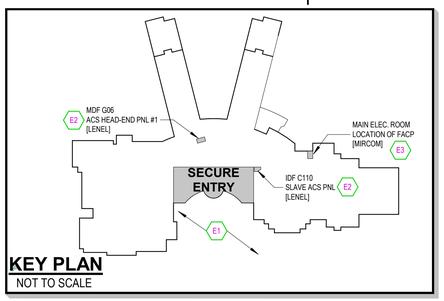


KEY PLAN
NOT TO SCALE

GENERAL SHEET NOTES

1. COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGN VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, AND CABINETRY DRAWINGS.

2. ALL THE LOW VOLTAGE WIRE/CABLE FOR SECURITY SHALL BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.

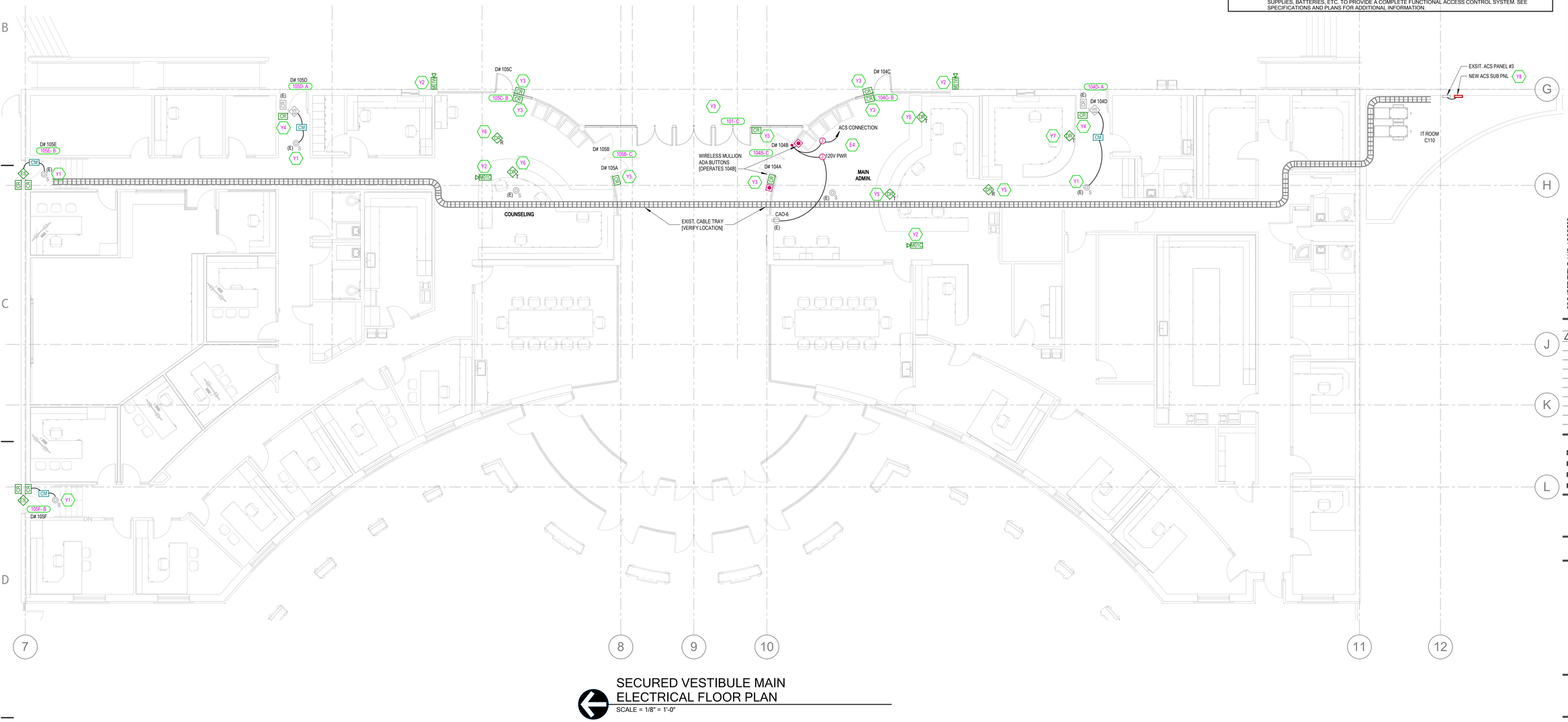
3. IF AVAILABLE, CONTRACTOR MAY UTILIZE EXISTING CABLE TRAY FOR ALL NEW SECURITY WIRE/CABLING. ALTERNATIVELY, NEW SECURITY CABLING SHALL ROUTED THROUGH MINIMUM 3/4" EMT CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS. IN ACCESSIBLE CEILING AREAS, UTILIZE J-HOOK SUPPORTS PER AT 5'-0" INTERVALS AND TO FOLLOW BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED.

4. EXISTING FIRE ALARM DEVICES SHOWN ARE FOR REFERENCE ONLY AND SHALL BE VERIFIED ON-SITE. ALL NEW FIRE ALARM CABLING SHALL BE RAN IN MINIMUM 3/4" CONDUIT. MATCH EXISTING OR PROVIDE #14 AWG MINIMUM WIRING FOR ALL SIGNAL AND INITIATION DEVICES.

5. PROVIDE FIRE ALARM AND ACCESS CONTROL INTERFACE TO UNLOCK ALL INDICATED LOCKS UPON ANY FIRE ALARM INITIATION.

SHEET KEYNOTES

E1	BIDDING DIVISION 26,27, AND 28 CONTRACTOR(S) RESPONSIBLE FOR EXPANDING EXISTING SYSTEMS FOR THE REMODELED AREAS. PROVIDE A TURN-KEY SOLUTION AND BUILD-OUT FOR ALL IMPACTED SYSTEMS I.E. NETWORK, FIRE ALARM, AND INTERCOM.
E2	EXISTING LENEL ACCESS CONTROL HEAD-END PANEL LOCATED IN MDF AND SLAVE PANEL #3 LOCATED IN IDF C110. PROVIDE NEW ENCLOSURE, NEW CARD READERS, CONTROLLERS, AND ACCESS CONTROL CIRCUITS, BATTERIES, ETC. TIE NEW ENCLOSURE TO EXISTING ACS PANEL #3. SEE SHEET E111 FOR NEW REQUIREMENTS.
E3	EXISTING MIRCOM MAIN FIRE ALARM PANEL LOCATED IN THE MAIN ELECTRICAL ROOM. EXTEND EXISTING FIRE ALARM INITIATION/NOTIFICATION CIRCUITS TO ACCOMMODATE NEW FIRE ALARM DEVICES SHOWN AND AS REQUIRED. MATCH SYSTEM WIRING. SEE SHEET E111 FOR NEW REQUIREMENTS.
E4	PROVIDE ELECTRICAL CONNECTIONS TO ADA ENTRY SYSTEM AS REQUIRED. WIRE ACTUACTOR TO NEARBY 120V CIRCUIT. LOCATE AND TERMINATE COMPLETELY DOOR OPERATOR E.G. WIRELESS PUSH-BUTTONS, TRANSFORMERS, TERMINAL BLOCK, # OF WIRES, ETC. PER MANUFACTURER'S RECOMMENDATIONS. VERIFY VOLTAGE AND NAMEPLATE POWER REQUIREMENTS PRIOR TO ROUGH-IN. PROVIDE CONNECTION TO DOOR OPENER/ACTUATOR TO ACCESS CONTROL SYSTEM. PROGRAM CARD READER AND ADAOPERATOR PER OWNERS REQUIREMENTS. PROVIDE UPDATED ELECTRICAL INFRASTRUCTURE AS REQUIRED UPDATE COORDINATE EXACT LOCATION OF ACTUATORS WITH ARCHITECT PRIOR TO ROUGH-IN.
Y1	PROVIDE FA CONTROL MODULE AND WIRE ELECTRIC STRIKE POWER SUPPLY THROUGH NEW CONTROL MODULE. UPON FIRE ALARM ACTIVATION, POWER SUPPLY TO ELECTRIC STRIKE SHALL BE TERMINATED TO RELEASE AND TO ALLOW PASSAGE. TIE MM INTO EXISTING NEARBY INITIATION ALARM LOOP. UPDATE SYSTEM PROGRAMMING AND BATTERY CALCS AS REQUIRED.
Y2	CONNECT THE NEW SURVEILLANCE CAMERA TO THE EXISTING CATEGORY CABLE. INSTALL & PROGRAM THE SURVEILLANCE CAMERA TO THE MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS, TO INDUSTRY STANDARDS, AND TO THE OWNERS REQUIREMENTS.
Y3	MULLION STYLE CREDENTIAL CARD READER.
Y4	PROVIDE NEW HID SIGNO CREDENTIAL CARD READER AND THE NECESSARY CABLING TO CONNECT AND SERIES IT TO THE EXISTING HID SIGNO CREDENTIAL CARD READER THAT IS LOCATED ON THE OTHER SIDE OF THE WALL. INSTALL & PROGRAM THE HID SIGNO CREDENTIAL CARD READER TO THE MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS, TO INDUSTRY STANDARDS, AND TO THE OWNERS REQUIREMENTS.
Y5	PRIOR TO STARTING ANY WORK COORDINATE A MEETING WITH THE OWNER AND THE MILLWORK DRAWINGS TO DISCUSS THE (WIRELESS) MOMENTARY DOOR RELEASE PUSH BUTTON LOCATIONS ON THE DESK, AND THE (WIRELESS) RECEIVER LOCATION ON OR ABOVE THE CEILING. DISCUSS WITH THE OWNER HOW THEY WILL NEED THESE BUTTONS TO BE PROGRAMMED TO OPERATE WITH ELECTRIFIED DOOR HARDWARE ON DOOR #104C.
Y6	PRIOR TO STARTING ANY WORK COORDINATE A MEETING WITH THE OWNER AND THE MILLWORK DRAWINGS TO DISCUSS THE (WIRELESS) MOMENTARY DOOR RELEASE PUSH BUTTON LOCATION ON THE DESK, AND THE (WIRELESS) RECEIVER LOCATION ON OR ABOVE THE CEILING. DISCUSS WITH THE OWNER HOW THEY WILL NEED THE BUTTON TO BE PROGRAMMED TO OPERATE WITH ELECTRIFIED DOOR HARDWARE ON DOOR #105C.
Y7	PRIOR TO STARTING ANY WORK COORDINATE A MEETING WITH THE OWNER AND THE MILLWORK DRAWINGS TO DISCUSS THE (WIRELESS) MOMENTARY DOOR RELEASE PUSH BUTTON LOCATION ON THE DESK, AND THE (WIRELESS) RECEIVER LOCATION ON OR ABOVE THE CEILING. DISCUSS WITH THE OWNER HOW THEY WILL NEED THE BUTTON TO BE PROGRAMMED TO OPERATE WITH ELECTRIFIED DOOR HARDWARE ON DOOR #104D.
Y8	PROVIDE AN RS-485 CABLE FROM THE EXISTING LENEL ACCESS CONTROL PANEL #3 TO THE NEW LENEL ACCESS CONTROL PANEL. EXPAND ONTO THE EXISTING ACCESS CONTROL SYSTEM AND PROVIDE NEW ENCLOSURES, MERCURY CONTROL BOARDS, CONTROLLERS, ACCESS CONTROL CIRCUITS, POWER SUPPLIES, BATTERIES, ETC. TO PROVIDE A COMPLETE FUNCTIONAL ACCESS CONTROL SYSTEM. SEE SPECIFICATIONS AND PLANS FOR ADDITIONAL INFORMATION.



SECURED VESTIBULE MAIN
ELECTRICAL FLOOR PLAN
SCALE = 1/8" = 1'-0"

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NEW SECURED ENTRY ELECTRICAL FLOOR PLAN

SHEET NUMBER

E111

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