

CONSTRUCTION KEYNOTES

- SINGLE BULL-NOSE CMU UNIT FROM FLR. TO 8'-8" AFF.
- IA DOUBLE BULL-NOSE CMU UNIT FROM FLR. TO 8'-8" AFF. POVIDE ENDWALL CORNER GUARD EA. SIDE OF OPENING SEE DETAIL X/AIØ.1
- PROVIDE ADDITIONAL "RESTROOMS" SIGN THIS LOCATION, SEE SPECS/SIGNAGE SCHEDULE.

4 FLOOR SINK, SEE PLUMBING

- PROVIDE 6" COLD FORMED METAL FRAMING WALL FROM TOP OF MASONRY TO UNDERSIDE OF ROOF DECK, (SEE A6.1 & STRUCT).
- 6 NOT USED.
- DOWNSPOUT CONNECT TO UNDERGROUND STORM WATER SYSTEM SEE CIVIL
- HOISTWAY FRONT TO REMAIN OPEN UNTIL ELEVATOR IS INSTALLED. COORD. INSTALL OF MASONRY WALL WITH ELEVATOR INSTALLER. SEE STRUCT. FOR LINTEL REQUIREMENT & ELEV.

EQUIPMENT SCHEDULE

- IA. MARKERBOARD 8'Wx4'H (RAIL @ 32" AFF, UNO) PROVIDE WITH 5 MULTI-COLOR MARKERS & DRY ERASER I PER MARKERBOARD
 - 2A. TACKBOARD 6'Wk4'H (BOT. 32" AFF, UNO) 3A. INTERACTIVE FLAT PANEL (IPP) DISPLAY, BY OWNER
- 4. HVAC UNIT (SEE MECHANICAL)
- 5. UTILITY SHELFMOP HOLDER (MTD W/ TOP OF UNIT # 12" AFF) SEE DETAIL X/A2.I
 - 6. NOT USED
 - 1. HI-LOW ELECTRIC WATER COOLER WITH BOTTLE FILL (ADA COMPLIANT)
 - 9. COMPUTER TABLES, BY OWNER. (SEE ELEC/COMM FOR POWER DATA)
- 10. SHELVING, BY OWNER

1. VINYL BASE 2. NOT USED

1. - SEE INDEX SHEET WALL TYPES LEGEND FOR ALL WALL RATINGS 2. - SEE FLOOR PLANS FOR FIRE EXTINGUISHER TYPES 4 LOCATIONS

FINISH SCHEDULE

CEILING

- 1. ACOUSTIC CEILING TILE SYSTEM (ACT) 2. EGGSHELL ENAMEL PAINTED GYPSUM WALL BOARD
- 3. EPOXY PAINTED GYPSUM WALLBOARD 4. NOT USED
- 5. PAINTED EXPOSED STRUCTURE

FLOORS

- 1. LYT 2. CARPET
- 3. CERAMIC TILE
- 4. NOT USED 5. SEALED CONCRETE 6. NOT USED

SPACE NAME SPACE * REMARKS
CLG / CLG HT
FLR / BASE / WALL

FINISHES KEY

3. CERAMIC TILE 4. NOT USED

1. EGGSHELL ENAMEL PAINTED CMU 2. EGGSHELL ENAMEL PAINTED GWB

- 3. CERAMIC TILE ON GMS & M.R. GWB AT PLUMBING WALLS, EPOXY PAINTED WALLBOARD OR CMU ELSEWHERE
- 4. EPOXY PAINTED GWB 5. NOT USED

REMARKS

- 1. PROVIDE CONT. 31/2" SOUND BATTS IN GMS PARTITIONS AND ABOVE FINISH CEILING.
- 2. PROVIDE CONT. 31/2" SOUND BATTS ABOVE FINISH CEILING
- 3. PROVIDE 3/8" PAINTED PLYWOOD BACKBOARD COORD W/ ELECTRICAL
- 4. NOT USED

GENERAL NOTES

- 1. SEE SHEET A2.I FOR ENLARGED TOILET PLANS
- 2. SEE SHEETS AIL! FOR STAIR DETAILS
- 3. SEE SHEETS All2 FOR ELEVATOR DETAILS
- 4. ALL DIMENSION STRINGS AT EXTERIOR WALLS ARE TO EXTERIOR FACE OF CMU, UNLESS NOTED OTHERWISE.
- 5. REFER TO SPECIFICATIONS, WALL TYPE SCHEDULE ON INDEX SHEET, FOR SPECIFIC WALL CONSTRUCTION REQUIREMENTS AND COMPONENTS, INCLUDING TYPES OF WALL BOARD
- 6. PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS IN GWB WALLS. SEE DETAIL 1/AIØ.I
- 1. PROVIDE HORIZONTAL BLINDS AT EXTERIOR WINDOWS.
- 8. PROVIDE MR TILE BACKER-BOARD AT PLUMBING WALL PARTITIONS.

NO.	DESCRIPTION	DRAW	CHECKED	DATE
PL	 ASE	DRAIN	CHECKED	DATE
	HEMATIC DESIGN	MEN	MFN	12/15/22
509	% PROGRESS DOCUMENTS			Ø2/Ø7/23
co	NSTRUCTION DOCUMENTS			@3/21/23
BID	DOCUMENTS			09/05/2



2211 THOMAS DR., STE 100 PANAMA CITY BEACH, FL PHONE: (850) 236-9832 ARCHITECTS Commission Number: 22828

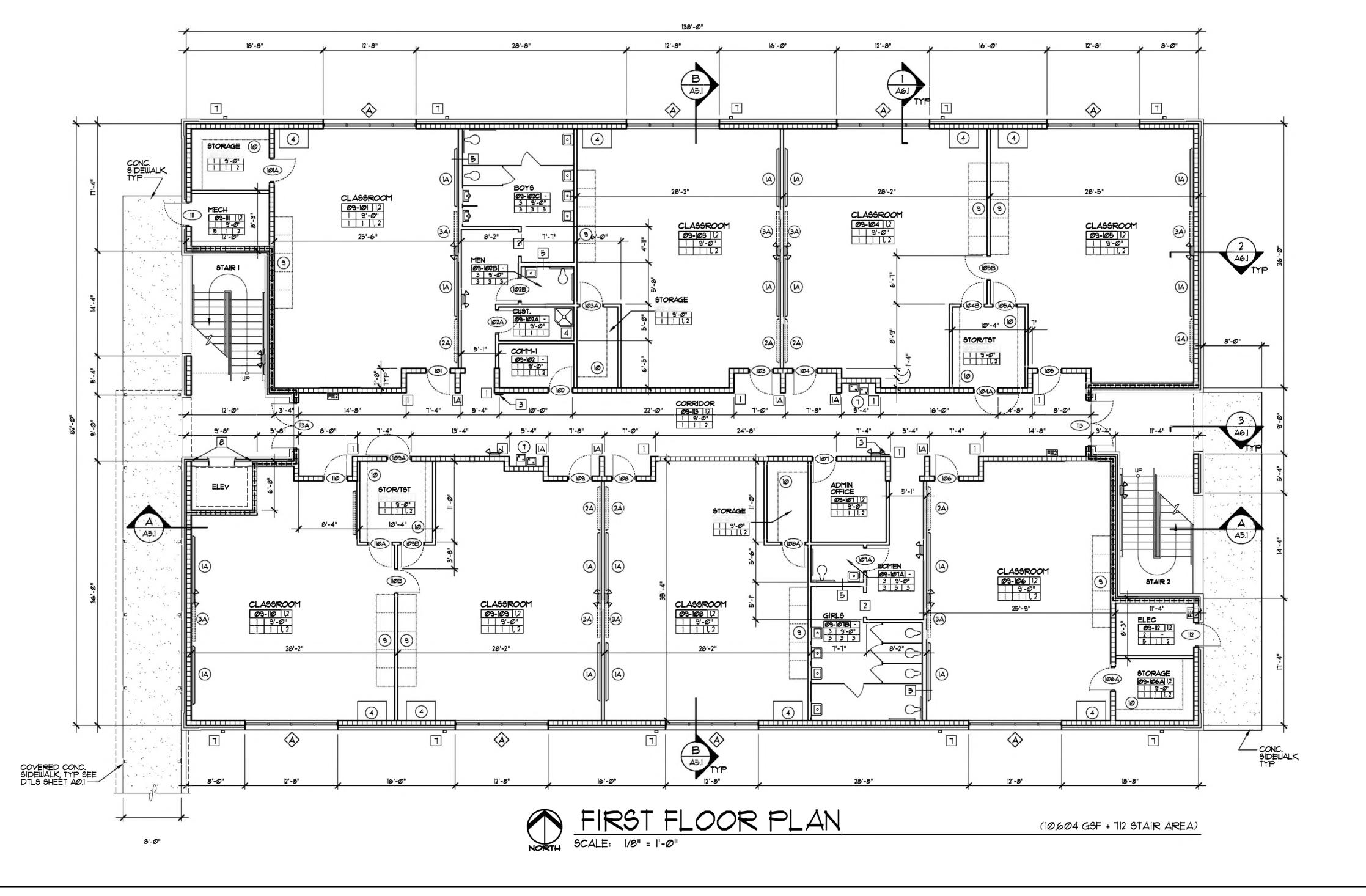


BAY HAVEN CHARTER ACADEMY CLASSROOM ADDITION

LYNN HAVEN, FLORIDA

SHEET TITLE:

1st FLOOR FLOOR PLAN



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1. VINYL BASE SPACE NAME

FINISHES KEY

3. CERAMIC TILE 4. NOT USED

2. NOT USED SPACE * REMARKS
CLG / CLG HT
FLR / BASE / WALL

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PHASE		DRAWN	CHECKED	DATE
SCHEMAT	IC DESIGN	MEN	MEN	12/15/22
50% PRO	GRESS DOCUMENTS			Ø2/Ø7/2
CONSTRU	CTION DOCUMENTS			@3/21/23
BID DOC	UMENTS			09/05/2



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PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
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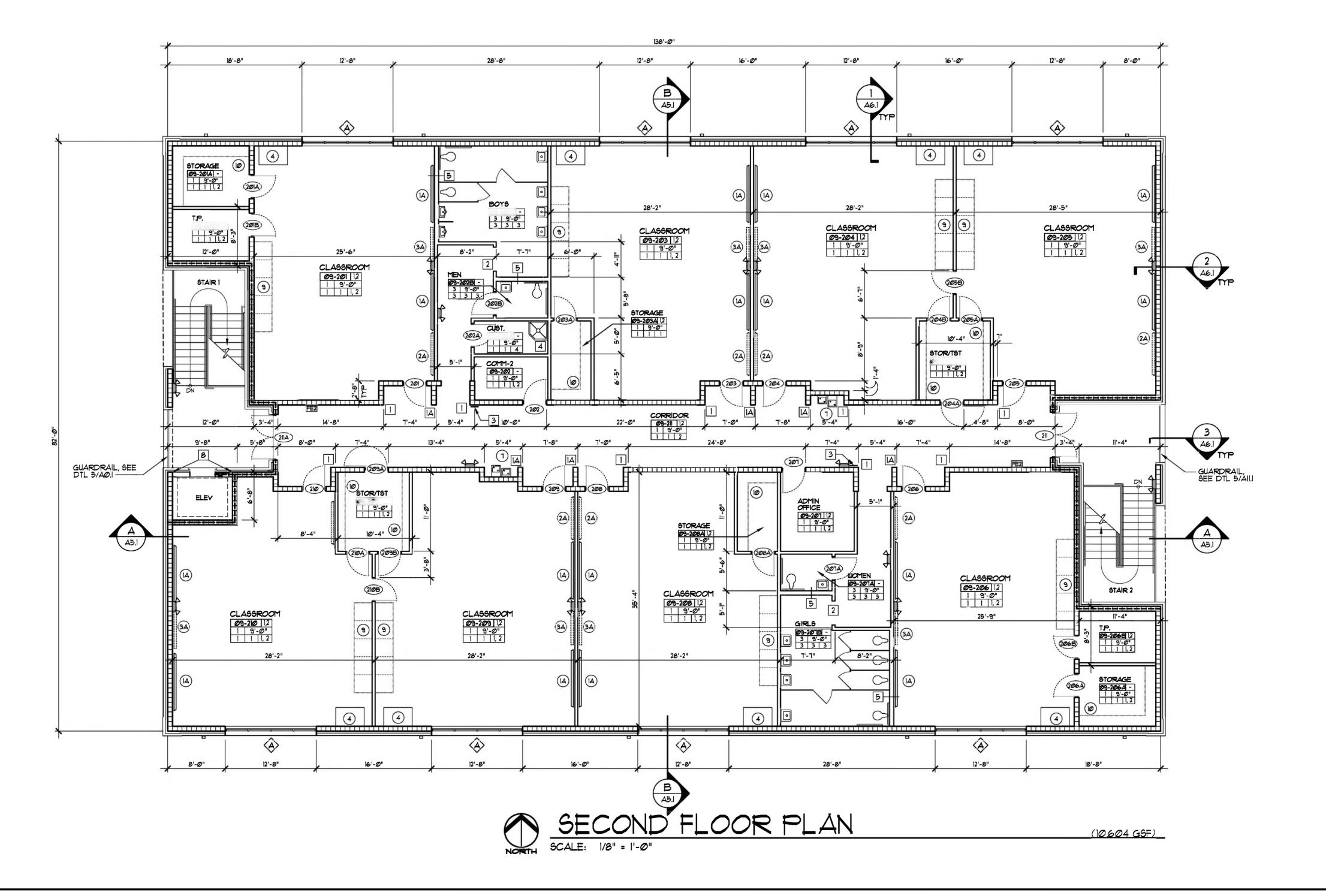
BAY HAVEN CHARTER ACADEMY CLASSROOM ADDITION

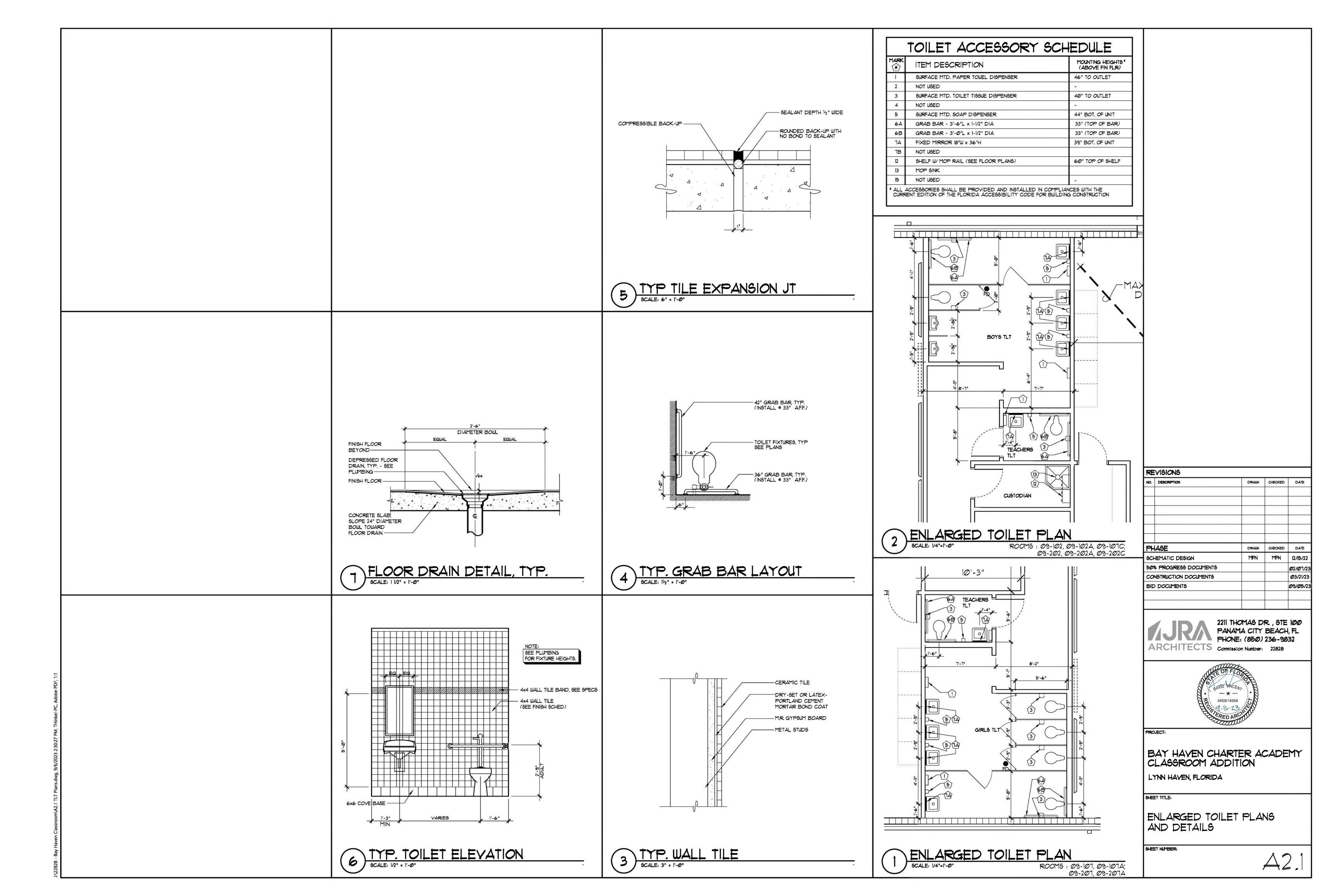
LYNN HAVEN, FLORIDA

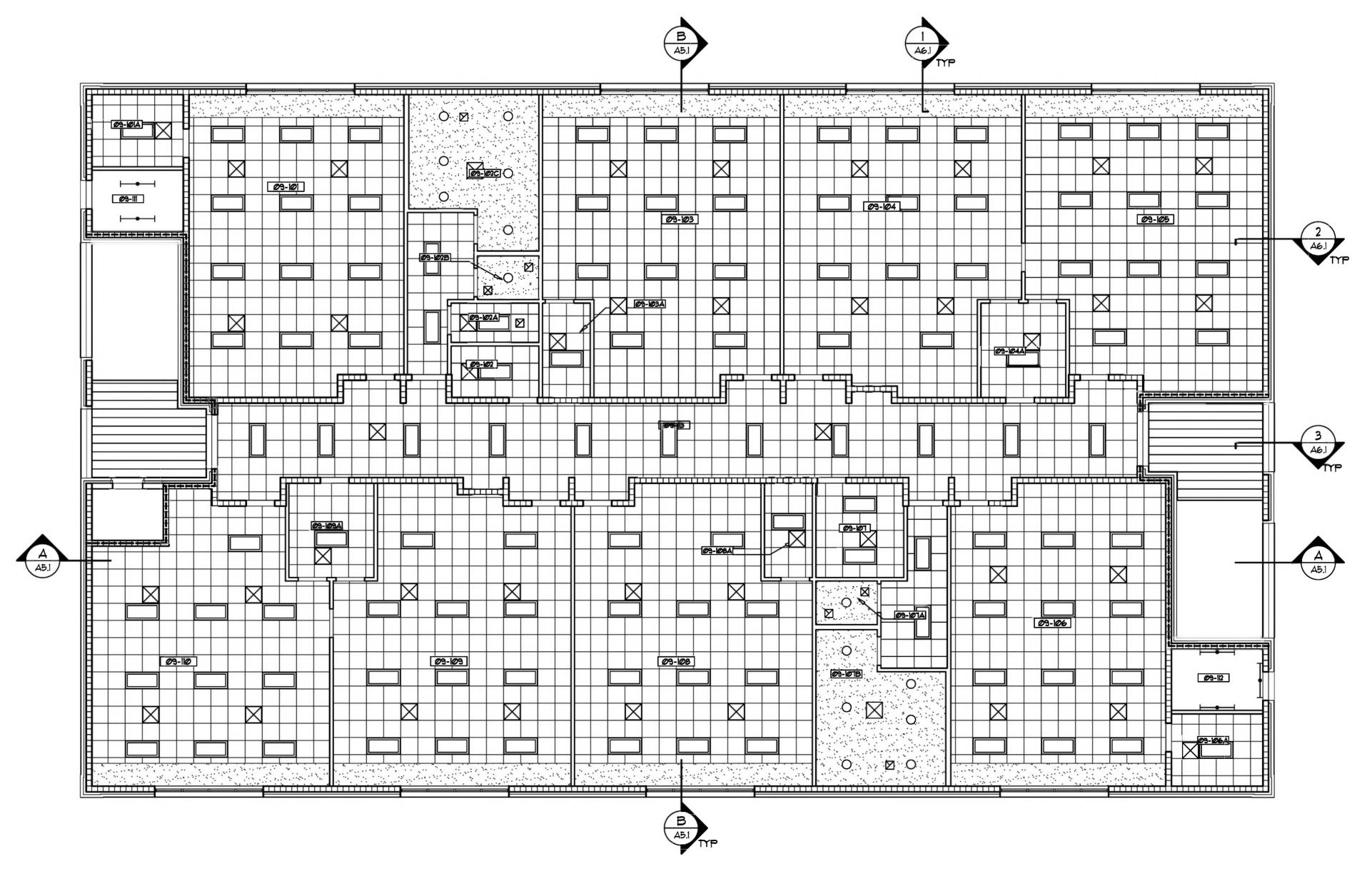
2nd FLOOR FLOOR PLAN

SHEET NUMBER:

A1.2







Ist FLOOR - REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

SYMBOL LEGEND
2'x4' LED FIXTURE
2'x2' LED FIXTURE
H 6"x4" WALL MOUNTED LED FIXTURE
O RECESSED LIGHT FIXTURE
OH WALL MOUNTED LIGHT FIXTURE
WALL MOUNTED EMERGENCY LIGHT
DESTI CEILING MOUNTED EMERGENCY LIGHT FIXTURE
⊗ EXIT LIGHT FIXTURE
SUPPLY AIR DUCT (SIZE VARIES)
RETURN OR OUTSIDE AIR DUCT (SIZE VARIES)
EXHAUST AIR DUCT (SIZE VARIES)
SUSPENDED 2'x2' ACOUSTIC CEILING TILE SYSTEM
SUSPENDED GYPSUM BOARD CEILING, BULKHEADS & SOFFITS. (SEE FIN. SCHEDULE PLANS & SPECS FOR GWB TYPE AND OTHER REQUIREMENTS).

NOT ALL ITEMS MAY BE REQUIRED - SEE PLANS

2. SEE MECHANICAL, PLUMBING, ELECTRICAL AND FIRE-PROTECTION SHEETS FOR ADDITIONAL CEILING FIXTURES AND SYSTEMS INFORMATION.

EXPOSED STRUCTURE

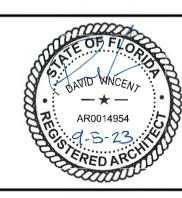
3. COORDINATE WITH ARCHITECT/ENGINEER WHERE FIXTURE OR DEVICE LOCATION SHOWN IN THIS PLAN IS IN CONFLICT WITH LOCATION SHOWN ON M, E, P, & FP PLANS.

4. PRIOR TO ROUGH-IN, COORDINATE WITH ARCHITECT/ENGINEER WHERE FIXTURE OR DEVICE LOCATION IS IN CONFLICT WITH ARCHITECTURAL FEATURES ETC.

R	:VISIONS			
NO.	DESCRIPTION	DRAWN	CHECKED	DATE
PH	IASE	DRAWN	CHECKED	DATE
SCI	HEMATIC DESIGN	MFN	MEN	12/15/22
509	% PROGRESS DOCUMENTS			Ø2/Ø7/2
CO	NSTRUCTION DOCUMENTS			Ø3/21/2
BID	DOCUMENTS			09/05/2



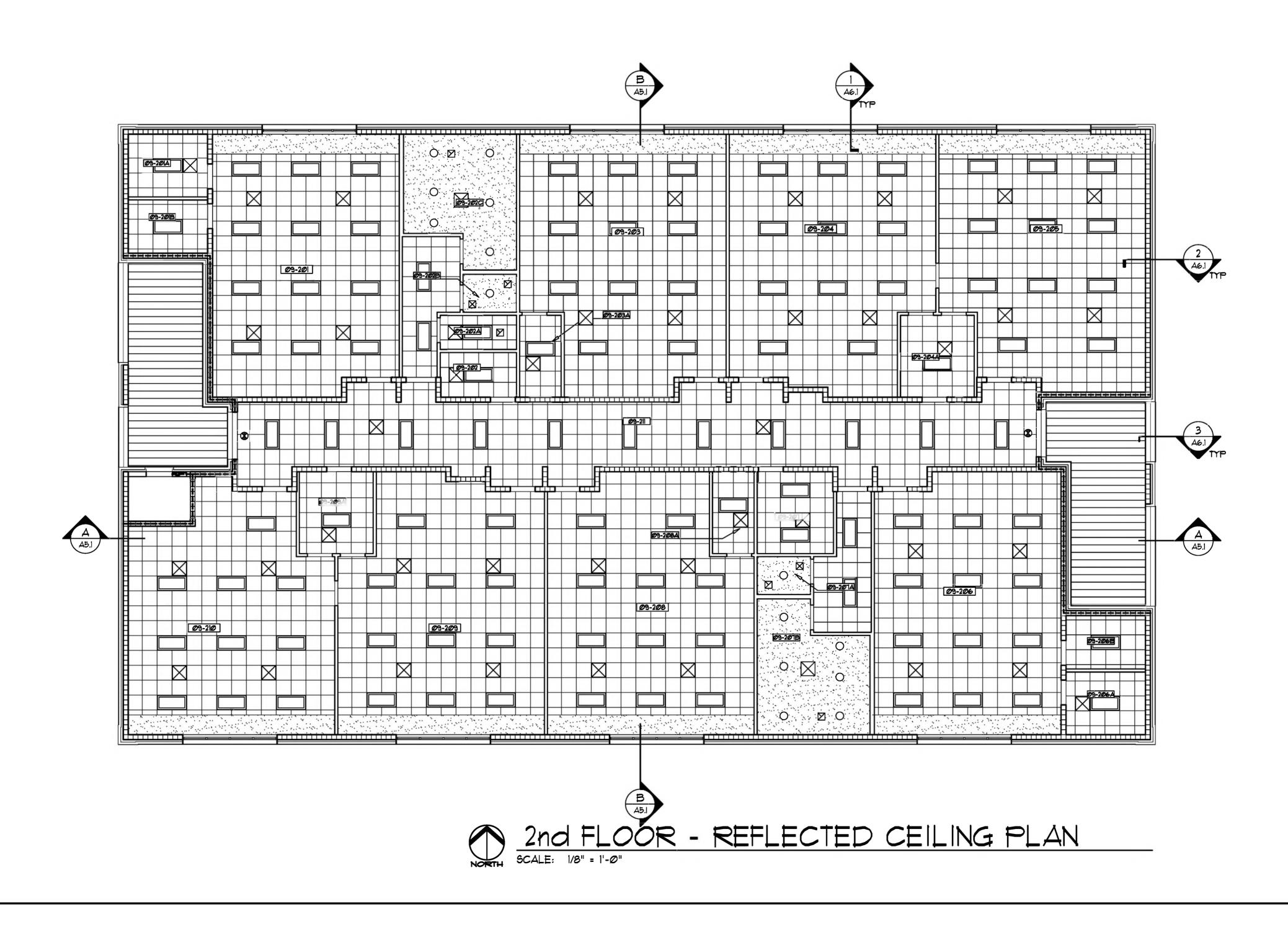
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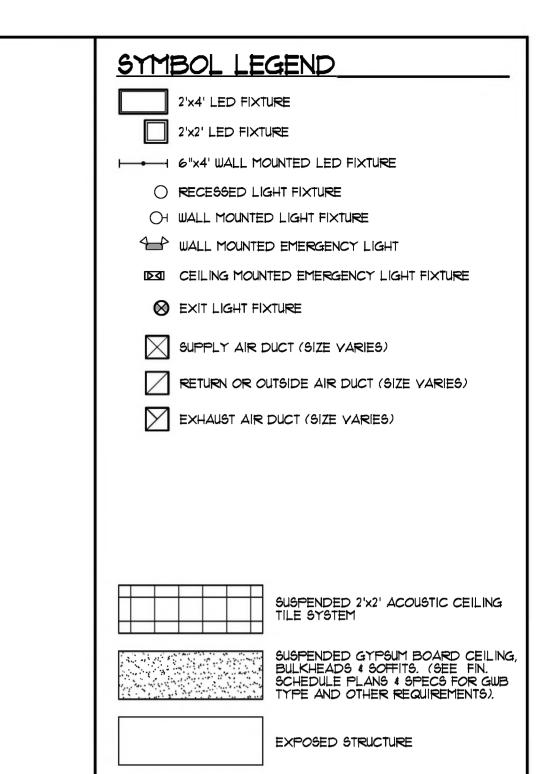


BAY HAVEN CHARTER ACADEMY CLASSROOM ADDITION

LYNN HAVEN, FLORIDA

Ist FLOOR REFLECTED CEILING PLAN





NOT ALL ITEMS MAY BE REQUIRED - SEE PLANS

2. SEE MECHANICAL, PLUMBING, ELECTRICAL AND FIRE-PROTECTION SHEETS FOR ADDITIONAL CEILING FIXTURES AND SYSTEMS INFORMATION.

3. COORDINATE WITH ARCHITECT/ENGINEER WHERE FIXTURE OR DEVICE LOCATION SHOWN IN THIS PLAN IS IN CONFLICT WITH LOCATION SHOWN ON M, E, P, & FP PLANS.

METAL SOFFIT

4. PRIOR TO ROUGH-IN, COORDINATE WITH ARCHITECT/ENGINEER WHERE FIXTURE OR DEVICE LOCATION IS IN CONFLICT WITH ARCHITECTURAL FEATURES ETC.

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509	ROGRESS DOCUMENTS			Ø2/Ø7/23
CONSTRUCTION DOCUMENTS BID DOCUMENTS				@3/21/23
				09/05/23



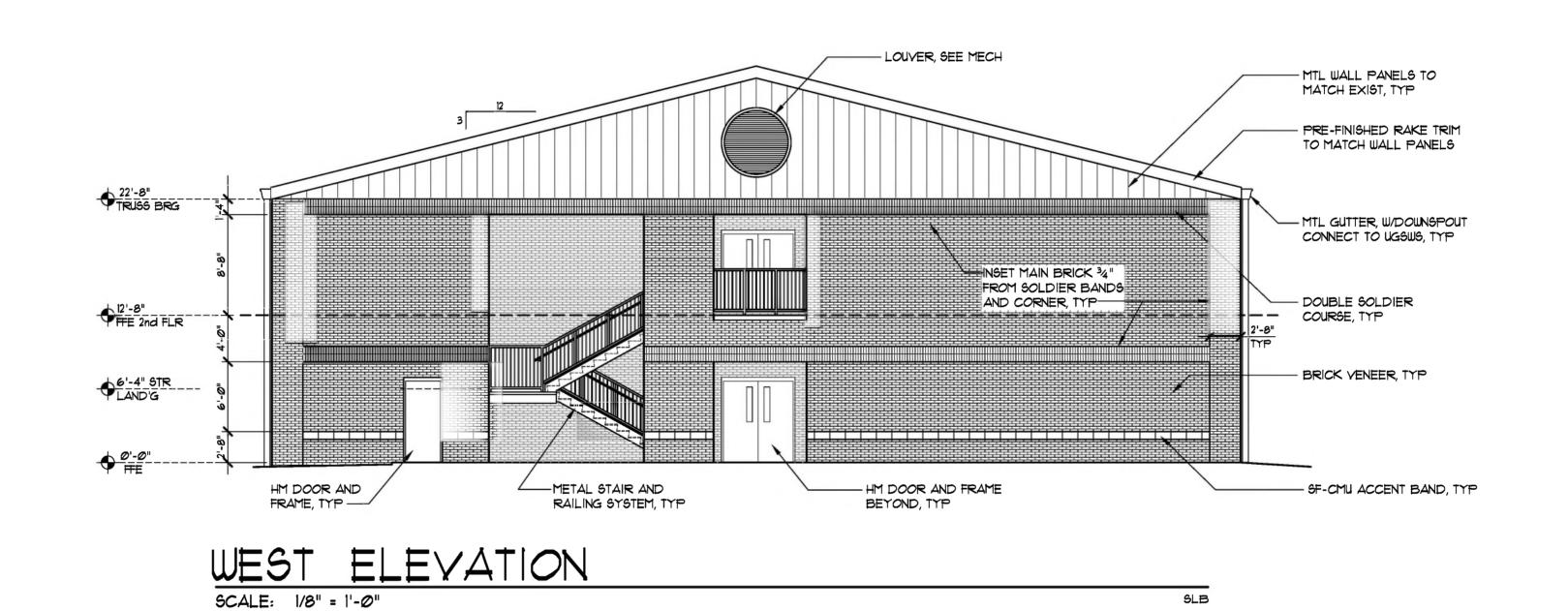
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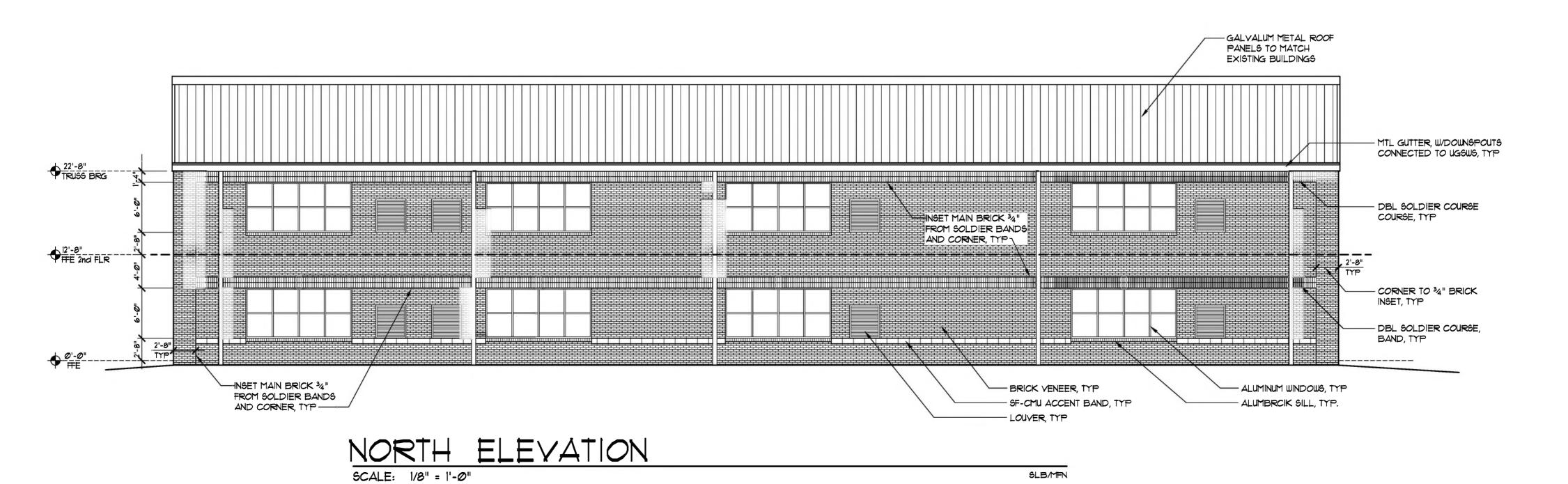


BAY HAVEN CHARTER ACADEMY CLASSROOM ADDITION

LYNN HAYEN, FLORIDA

2nd FLOOR REFLECTED CEILING PLAN





NO.	DESCRIPTION	DRAWN	CHECKED	DATE	
	 ASE	DRAWN	CHECKED	DATE	
	HEMATIC DESIGN	AM.	MFN	12/15/2	
50	% PROGRESS DOCUMENTS				
co	NSTRUCTION DOCUMENTS			Ø3/21/	
BID DOCUMENTS				09/05	



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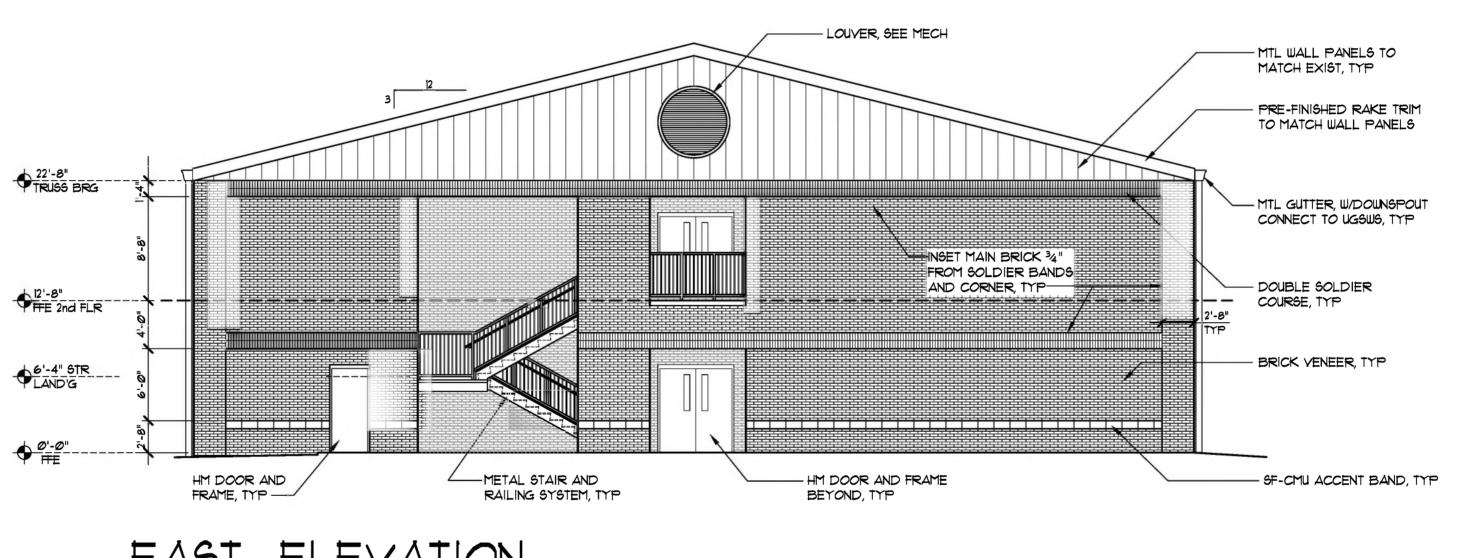
PROJECT:

BAY HAVEN CHARTER ACADEMY CLASSROOM ADDITION

LYNN HAYEN, FLORIDA

SHEET TITLE:

EXTERIOR ELEVATIONS



- BRICK VENEER, TYP

LOUVER, TYP

- SF-CMU ACCENT BAND, TYP

SLB

— ALUMINUM WINDOWS, TYP

— ALUMBRCIK SILL, TYP.



— GALVALUM METAL ROOF PANELS TO MATCH EXISTING BUILDINGS - MTL GUTTER, W/DOWNSPOUTS CONNECTED TO UGSWS, TYP 22'-8" TRUSS BRG - DBL SOLDIER COURSE COURSE, TYP INSET MAIN BRICK 34" FROM SOLDIER BANDS AND CORNER, TYP 12'-8" FFE 2nd FLR - CORNER TO 34" BRICK INSET, TYP — DBL SOLDIER COURSE, BAND, TYP ---INGET MAIN BRICK 34"
FROM SOLDIER BANDS
AND CORNER, TYP------

> SOUTH ELEVATION SCALE: 1/8" = 1'-0"

NO.	DESCRIPTION	DRAWN	CHECKED	DAT
<u>P</u>	lase	DRAWN	CHECKED	DAT
SCI	HEMATIC DESIGN	AM.	MFN	12/15
509	% PROGRESS DOCUMENTS			02/0
CO	NSTRUCTION DOCUMENTS			Ø3/2
BID DOCUMENTS				09/0



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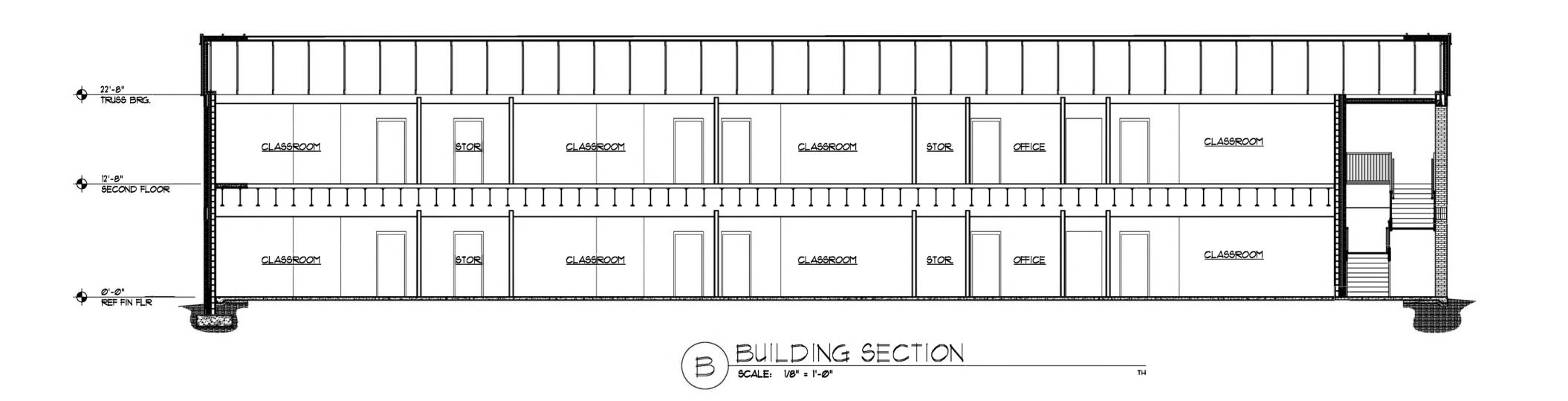
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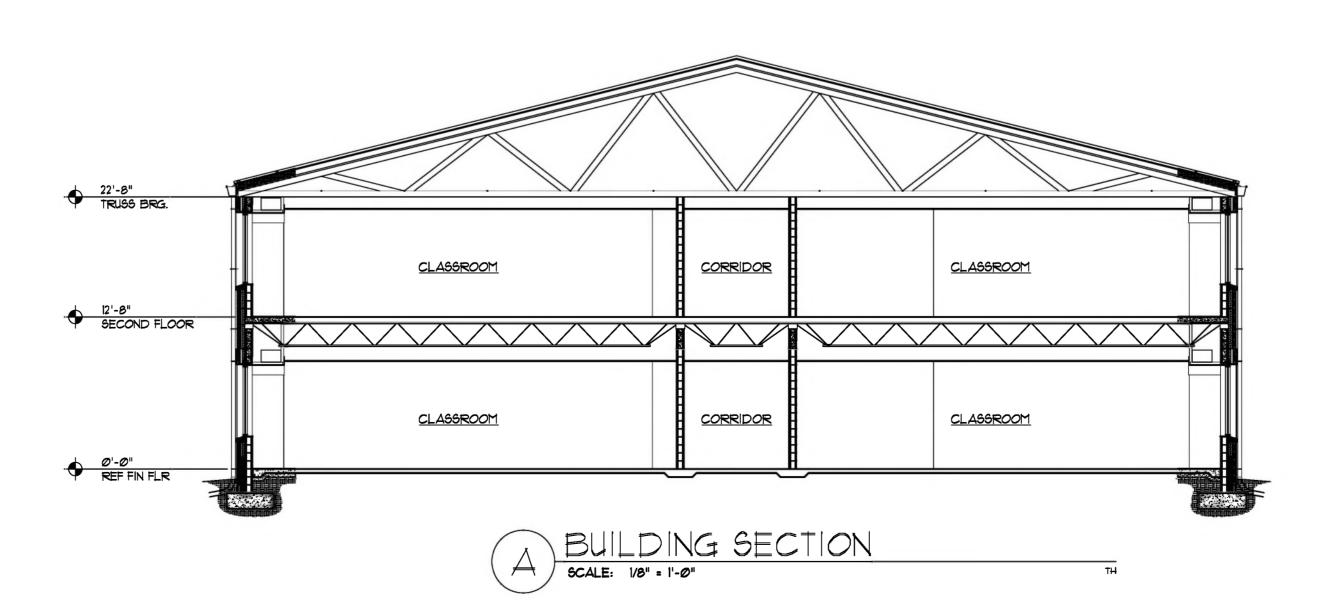
BAY HAVEN CHARTER ACADEMY CLASSROOM ADDITION

LYNN HAYEN, FLORIDA

SHEET TITLE:

EXTERIOR ELEVATIONS





NO.	DESCRIPTION	DRAWN	CHECKED	DATE
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SCI	HEMATIC DESIGN	DG	MFN	12/15/22
509	ROGRESS DOCUMENTS	TH	MEN	Ø2/Ø7/23
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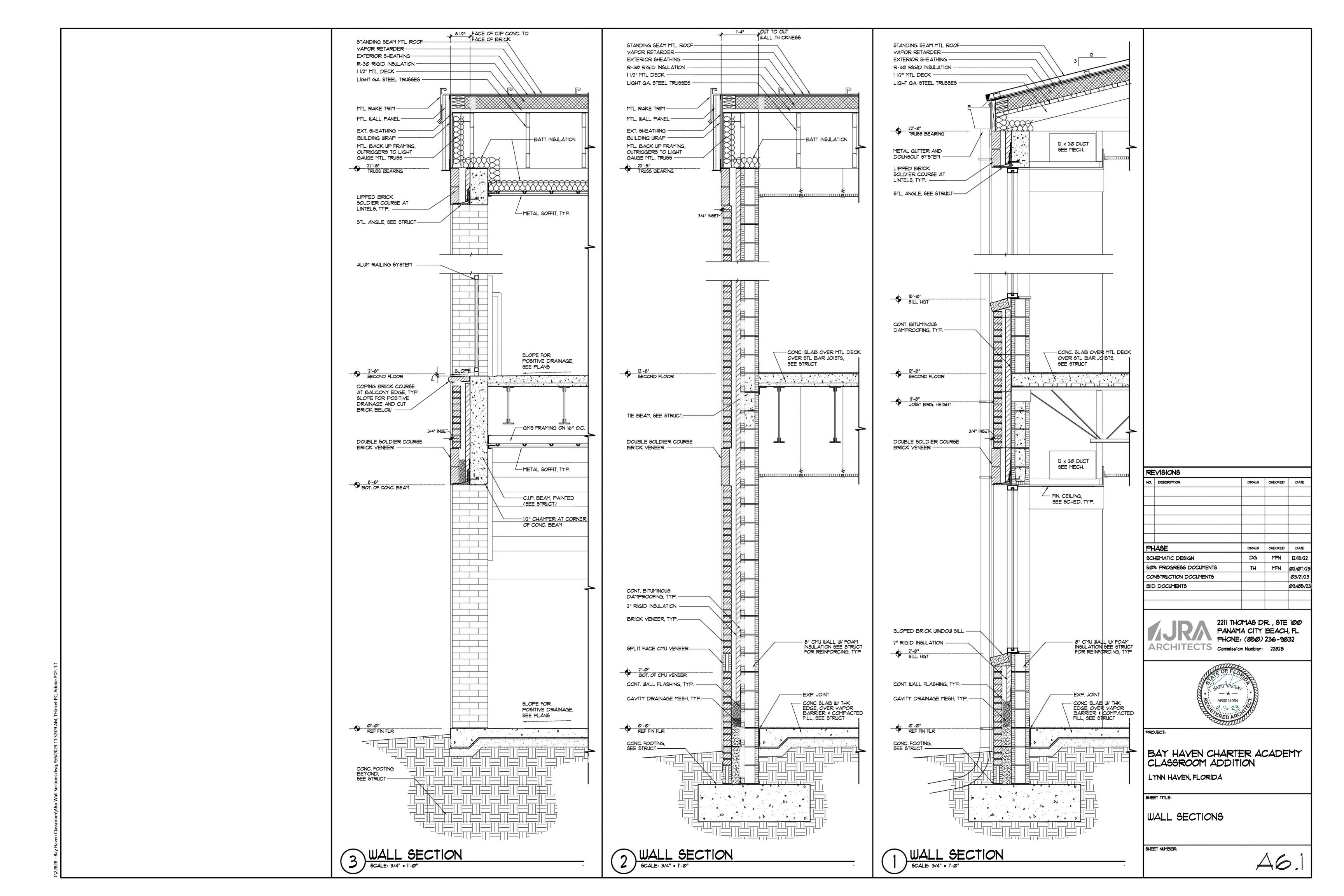


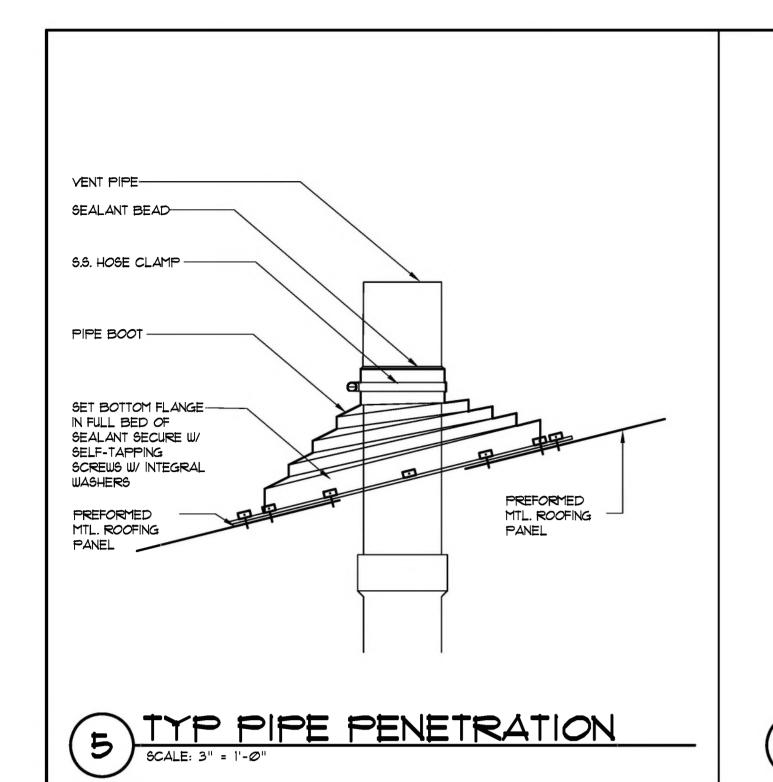
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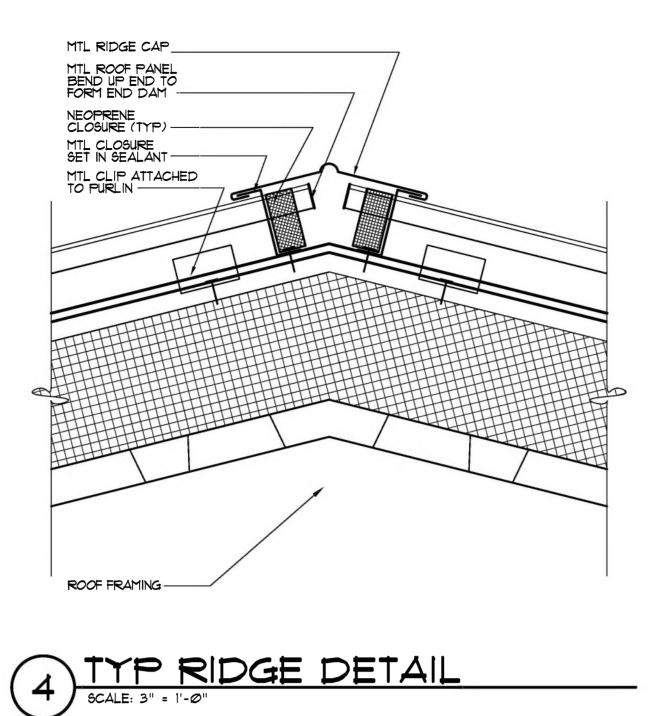
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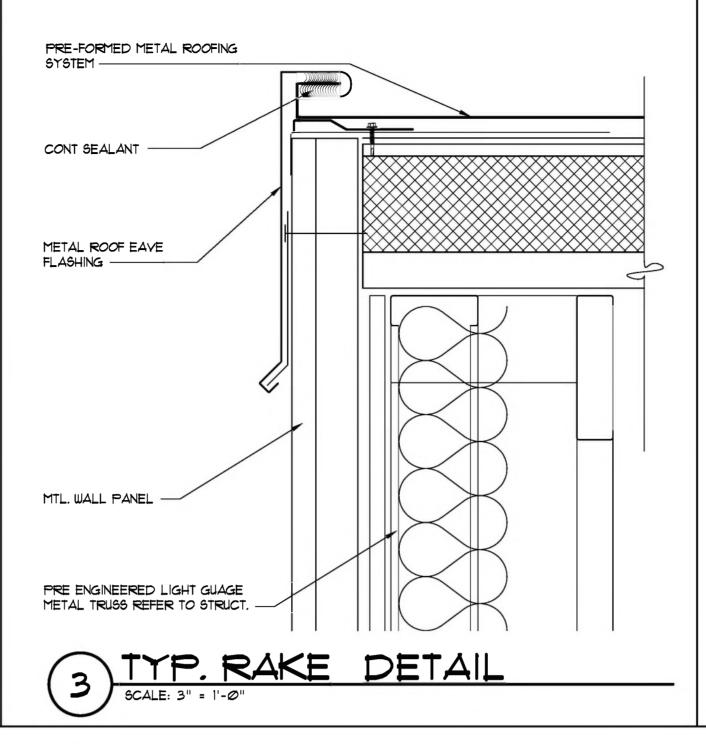
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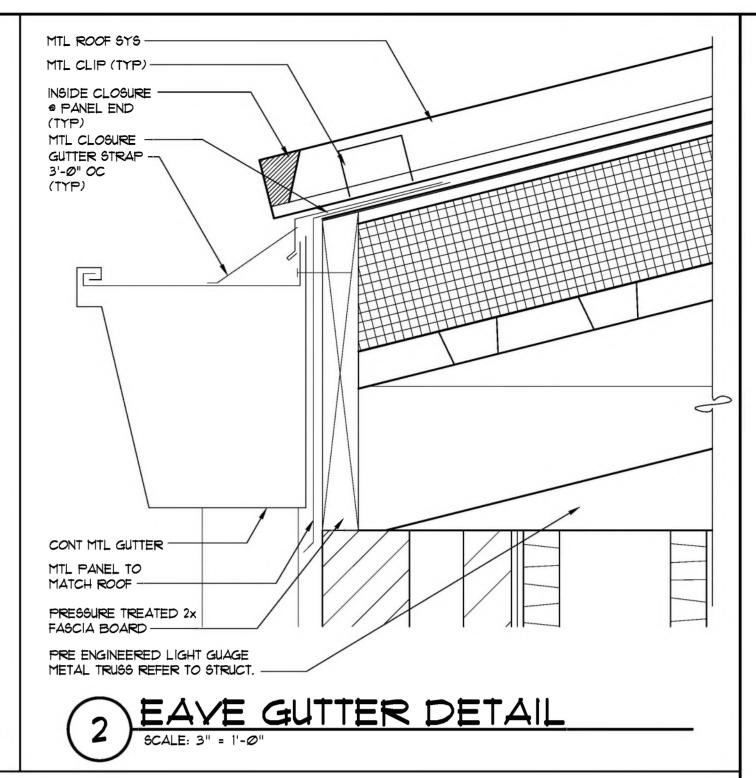
BUILDING SECTIONS

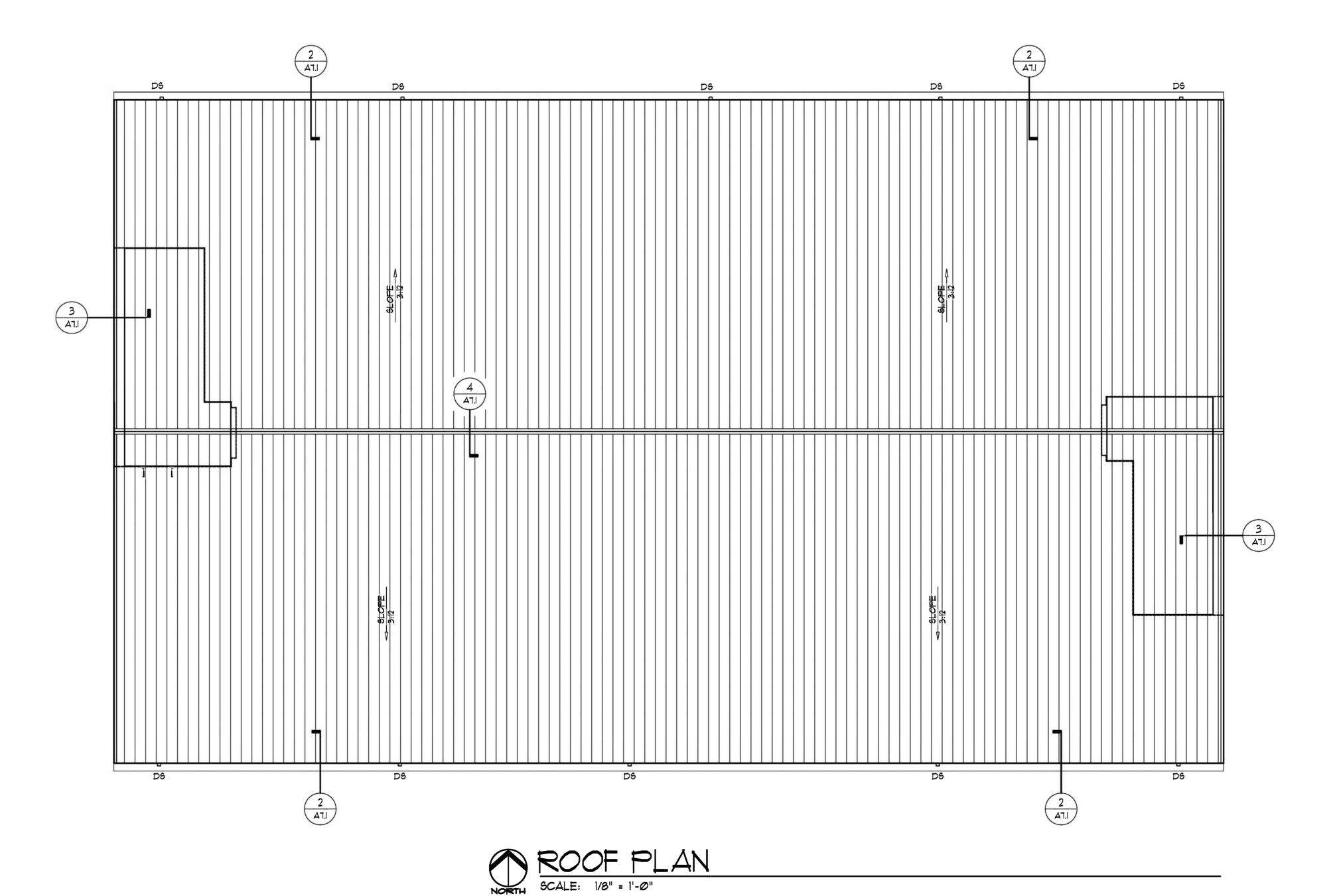






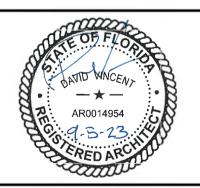






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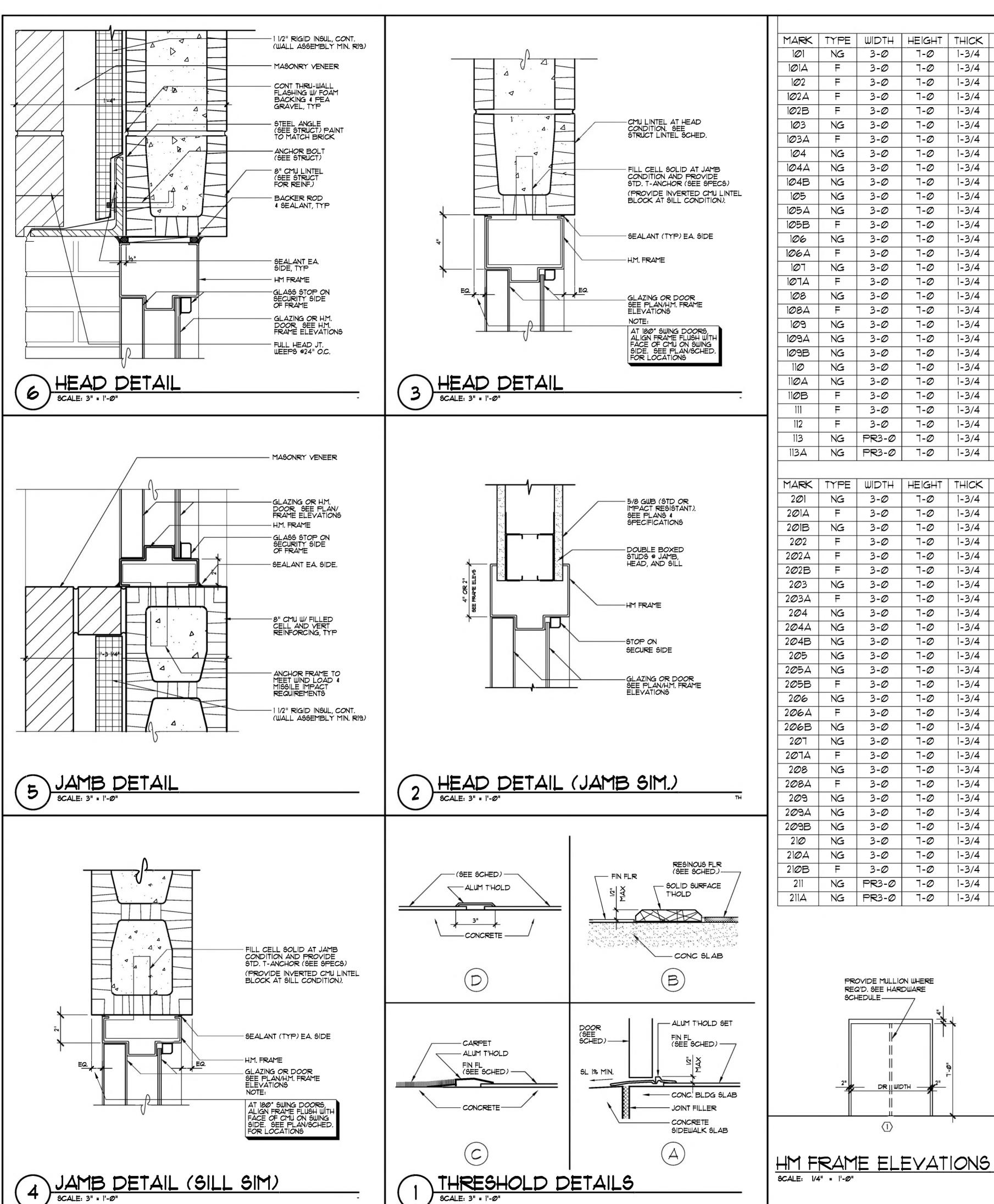




BAY HAVEN CHARTER ACADEMY CLASSROOM ADDITION

LYNN HAVEN, FLORIDA

ROOF PLAN & DETAILS



SCALE: 3" = 1'-@"

			<u> </u>	_		00R 50	CHEDUL	E-FIRST FL	OOR						GENERAL NOTES:
MARK	TYPE	WIDTH	HEIGHT	THICK	DOOR MAT	GLAZING	RATING	FRAME TYPE	FRAME MAT	HDW-SET	HEAD	JAMB	SILL	REMARKS	ALL WIDTH AND HEIGHT INFORMATION SHOWN ARE NOMINA
101	NG	3-Ø	7-0	1-3/4	SCWD	GL-1	-	1	HM	Øl	3/A9.1	4/49.1	1/49.1	-	DIMENSIONS FOR REFERENCE ONLY, ACTUAL DIMENSIONS SHALL BE ADJUSTED FOR PROPER CLEARANCES, SHIM SPACES AND CONSTRUCTION TOLERANCES BY THE
1014	F	3-Ø	7-0	1-3/4	SCWD	-	-	1	HM	Ø 4	3/49.1	4/49.1	1/49.1	-	CONTRACTOR AND SUBMITTED FOR APPROVAL.
102	F	3-Ø	7-Ø	1-3/4	SCWD	-	-	1	HM	Ø2	3/49.1	4/49.1	1/A9.1	1	SILL HEIGHTS ABOVE FF. ARE TYPICAL CONDITIONS U.O.N
1Ø2A	F	3-Ø	7-Ø	1-3/4	SCWD	-	-	1	HM	06	2/49.1	2/49.1	1/A9.1	-	ALL WINDOWS WITHIN 4'-0" OF ADJACENT DOORS ARE TO HAVE TEMPERED GLASS.
102B	F	3-Ø	7-Ø	1-3/4	SCWD	-	-	1	HM	Ø7	2/49.1	2/A9.1	1/A9.1	-	COORD W/ MECHANICAL FOR DOOR UNDERCUTS.
1Ø3	NG	3-Ø	7-Ø	1-3/4	SCWD	GL-1	-	1	HM	Øl	3/A9.1	4/49.1	1/49.1		'S' SUFFIX AT HEAD, JAMB & SILL DETAIL REFERENCES IN DOOR SCHEDULE DENOTES SIMILAR CONDITION.
1Ø3A	F	3-Ø	7-Ø	1-3/4	SCWD	-	-	1	HM	Ø 4	2/A9.1	2/49.1	1/A9.1	-	
104	NG	3-Ø	7-Ø	1-3/4	SCWD	GL-1	-	1	HM	Øl	3/A9.1	4/49.1	1/49.1	-	DOOR SCHEDULE REMARKS:
1Ø4A	NG	3-Ø	7-Ø	1-3/4	SCWD	-	-	1	HM	Ø 4	3/A9.1	4/49.1	1/49.1	-	I. CARD READER, SEE TELECOM DWGS
1Ø4B	NG	3-Ø	7-Ø	1-3/4	SCWD	-	-	1	HM	Ø 4	2/A9.1	2/49.1	1/49.1	-	1
1Ø5	NG	3-Ø	7-Ø	1-3/4	SCWD	GL-1	-	1	HM	Øl	3/49.1	4/49.1	1/49.1	-	1
1Ø5A	NG	3-Ø	7-Ø	1-3/4	SCWD	-	-	1	HM	Ø 4	2/49.1	2/49.1	1/49.1	-	1
1Ø5B	F	3-Ø	7-Ø	1-3/4	SCWD	-	-	1	HM	Ø8	2/A9.1	2/49.1	1/49.1	-	
106	NG	3-Ø	7-Ø	1-3/4	SCWD	GL-1	-	1	HM	Øl	3/A9.1	4/49.1	1/49.1	-	GLAZING TYPES:
106A	F	3-Ø	7-Ø	1-3/4	SCWD	-	-	1	HM	Ø 4	3/A9.1	4/49.1	1/49.1	-	TYPE GL-1 FULLY TEMPERED GLAZING, SEE SPECIFICATIONS. TYPE GL-2: LAMINATED GLAZING, SEE SPECIFICATIONS.
107	NG	3-Ø	7-Ø	1-3/4	SCWD	-	-	1	HM	Ø8	3/A9.1	4/49.1	1/49.1	-	TYPE GL-3: SEALED INSULATING GLASS, SEE SPECIFICATI
1Ø7A	F	3-Ø	7-Ø	1-3/4	SCWD	-	-	1	HM	Ø٦	2/A9.1	2/A9.1	1/49.1	-	
108	NG	3-Ø	7-Ø	1-3/4	SCWD	GL-1	-	1	HM	Øl	3/A9.1	4/49.1	1/49.1	-	1
1Ø8A	F	3-Ø	7-Ø	1-3/4	SCWD	-	-	1	HM	Ø 4	2/A9.1	2/A9.1	1/49.1	-	1
109	NG	3-Ø	7-Ø	1-3/4	SCWD	GL-1	-	1	HM	Øl	3/A9.1	4/49.1	1/49.1	-	1:
1Ø9A	NG	3-Ø	7-Ø	1-3/4	SCWD	-	-	1	HM	Ø 4	3/A9.1	4/49.1	1/49.1	-	1
1Ø9B	NG	3-Ø	7-Ø	1-3/4	SCWD	-	-	1	НМ	Ø 4	2/49.1	2/49.1	1/49.1	-	1
110	NG	3-Ø	7-Ø	1-3/4	SCWD	GL-1	-	1	HM	Ø1	3/A9.1	4/49.1	1/49.1	-	1
11ØA	NG	3-0	7-0	1-3/4	SCWD	-	-	1	HM	Ø 4	2/A9.1	2/49.1	1/49.1	-	1
11ØB	F	3-Ø	7-0	1-3/4	SCWD	-	-	1	HM	Ø8	2/49.1	2/A9.1	1/49.1	-	1
111	F	3-Ø	7-0	1-3/4	HM	-	-	1	HM	Ø 3	6/A9.1	5/49.1	1/49.1	1	1
112	F	3-0	7-0	1-3/4	HM	-	-	1	HM	Ø 3	6/A9.1	5/49.1	1/49.1	1	1
113	NG	PR3-Ø	7-0	1-3/4	HM	GL-2	-	1	HM	Ø5	6/A9.1	5/49.1	1/49.1	1	1
113.4	NG	PR3-0		1-3/4	HM	GL-2	-	1	HM	Ø5	6/A9.1	5/49.1	1/49.1	1	1
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MARK	TYPE	WIDTH	HEIGHT	THICK		GLAZING		FRAME TYPE	FRAME MAT	HDW-SET	HEAD	JAMB	SILL	REMARKS	
2Ø1	NG	3-0	7-0	1-3/4	SCWD	GL-1	-	1	HM	Ø1	3/49.1	4/49.1	1/49.1	-	1
2Ø1A	F	3-0	7-0	1-3/4	SCWD	-	-	1	HM	Ø4	3/A9.1	4/49.1	1/A9.1	_	1
201B	NG	3-0	7-0	1-3/4	SCWD	-	-	1	HM	Ø4	3/49.1	4/49.1	1/A9.1	-	
202	F	3-0	7-0	1-3/4	SCWD	_	-	1	HM	Ø2	3/49.1	4/49.1	1/A9.1	1	
2Ø2A	F	3-0	7-0	1-3/4	SCWD	-	-	1	HM	06	2/A9.1	2/A9.1	1/A9.1	_	
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PH	 ASE	DRAWN	CHECKED	DATE
SCI	HEMATIC DESIGN	MFN	MEN	12/15/22
509	PROGRESS DOCUMENTS			Ø2/Ø7/23
co	NSTRUCTION DOCUMENTS			Ø3/21/23
BID	DOCUMENTS			09/05/23
Г				

TYPE GL-I FULLY TEMPERED GLAZING, SEE SPECIFICATIONS.

TYPE GL-3: SEALED INSULATING GLASS, SEE SPECIFICATIONS.

ARCHITECTS Commission Number: 22828

2211 THOMAS DR , STE 100 PANAMA CITY BEACH, FL PHONE: (850) 236-9832



PROJECT:

BAY HAYEN CHARTER ACADEMY CLASSROOM ADDITION

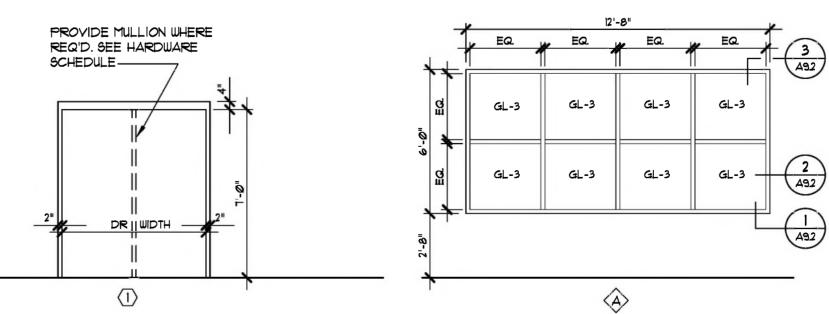
LYNN HAVEN, FLORIDA

SHEET TITLE:

DOOR SCHEDULE AND FRAME ELEVATIONS

SHEET NUMBER:

A9.



SCWD

HM

GL-1

GL-1

GL-1

GL-1

GL-1

GL-1

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GL-2

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ALUM FRAME ELEVS

F FLUSH



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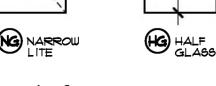
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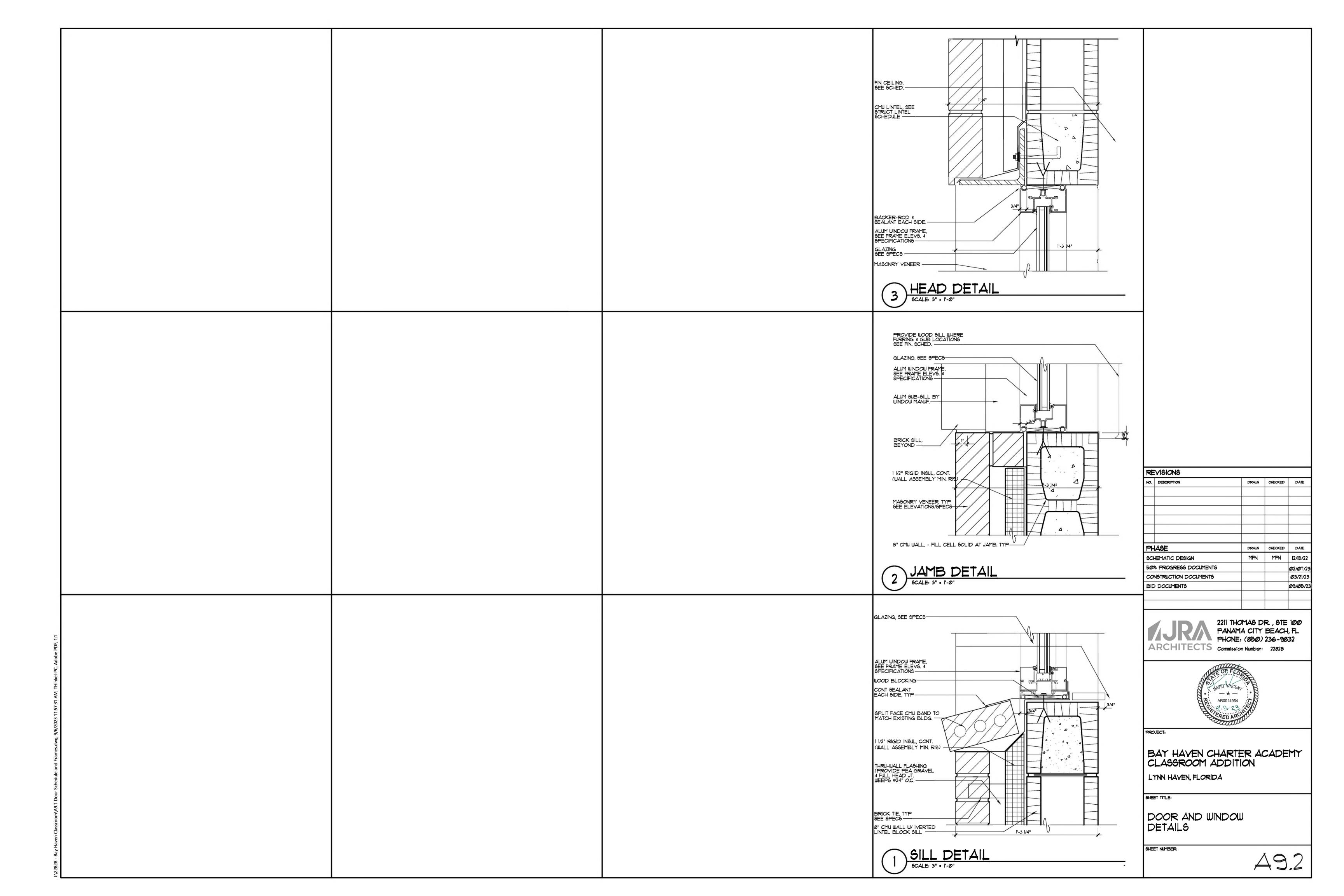
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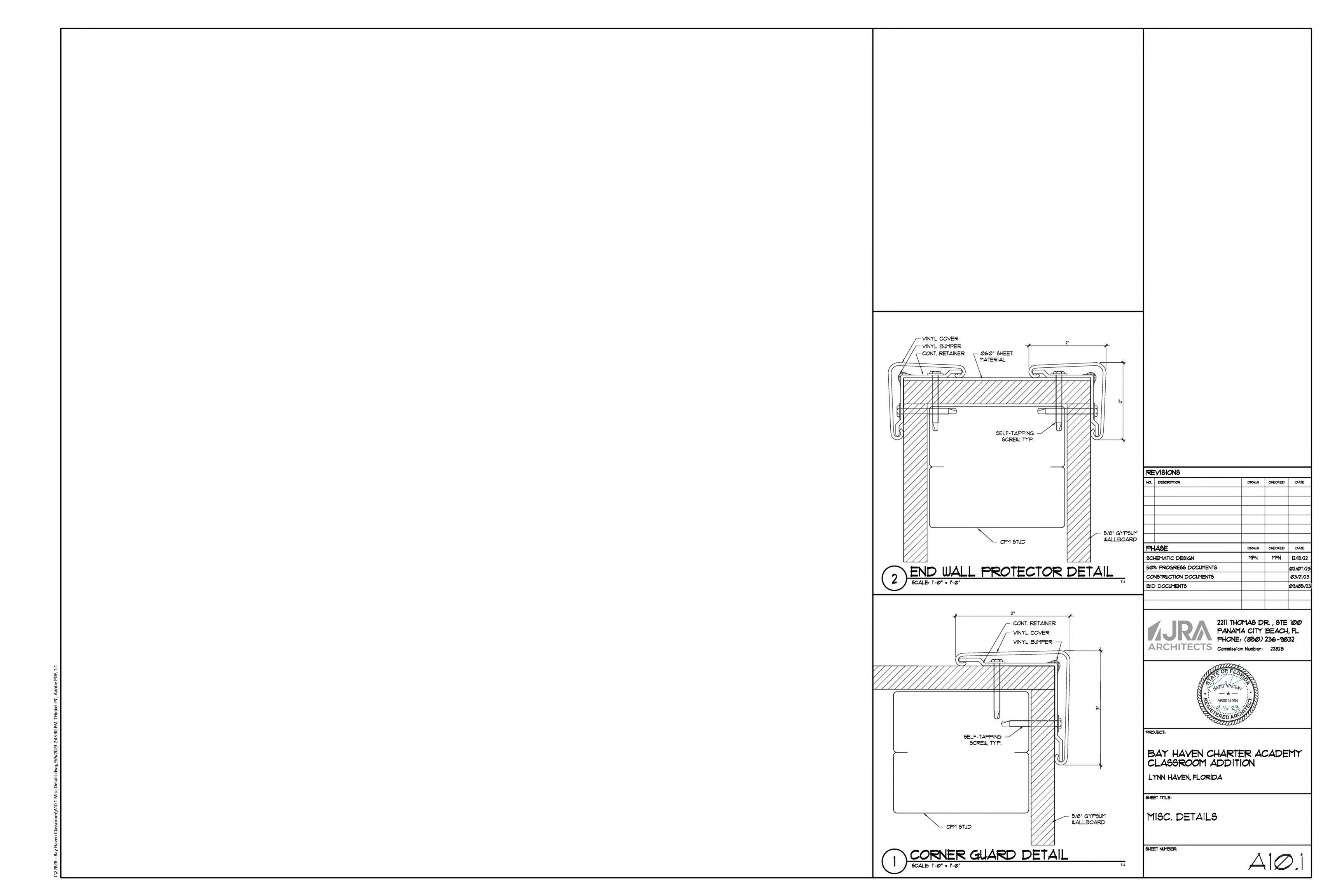
HM

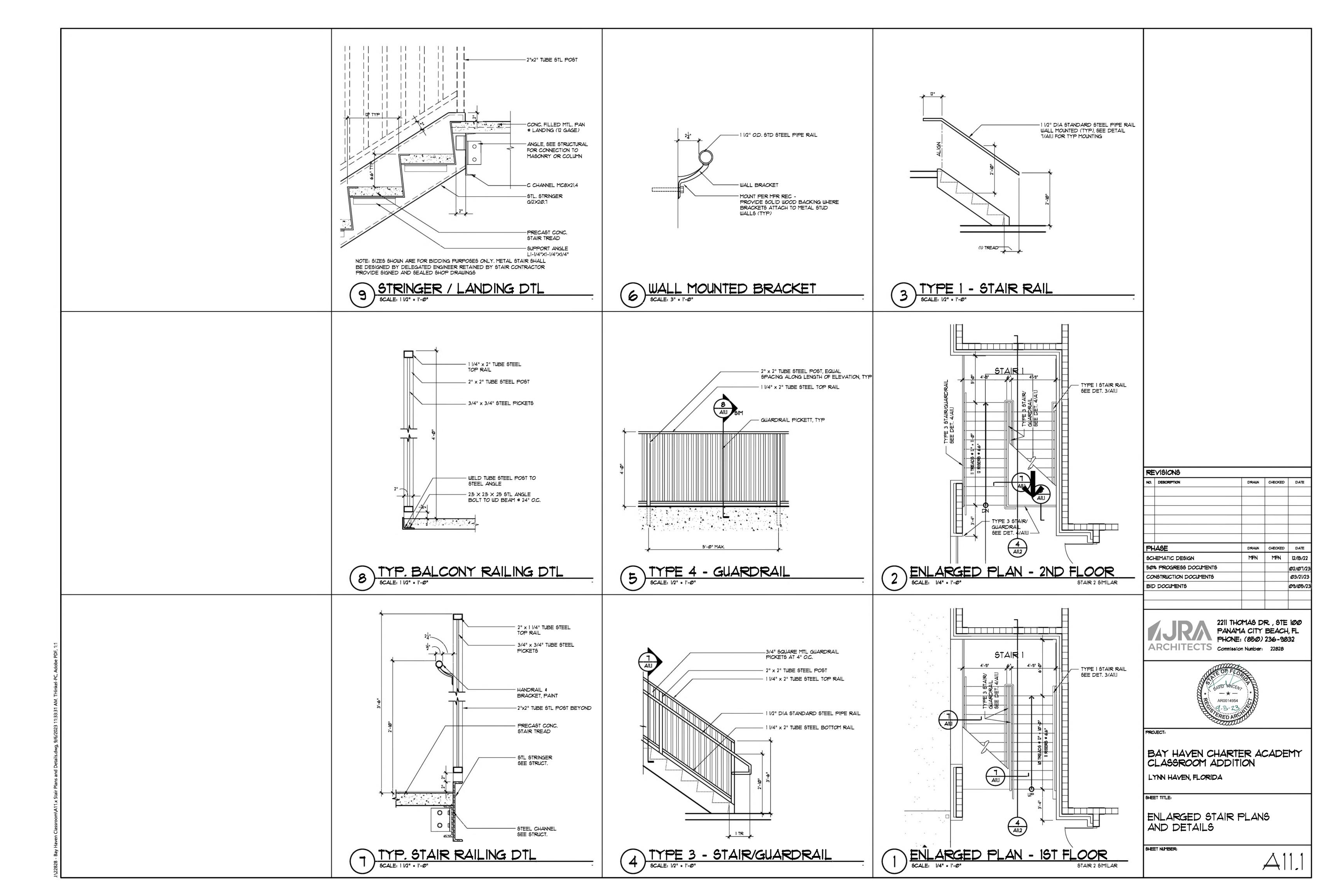


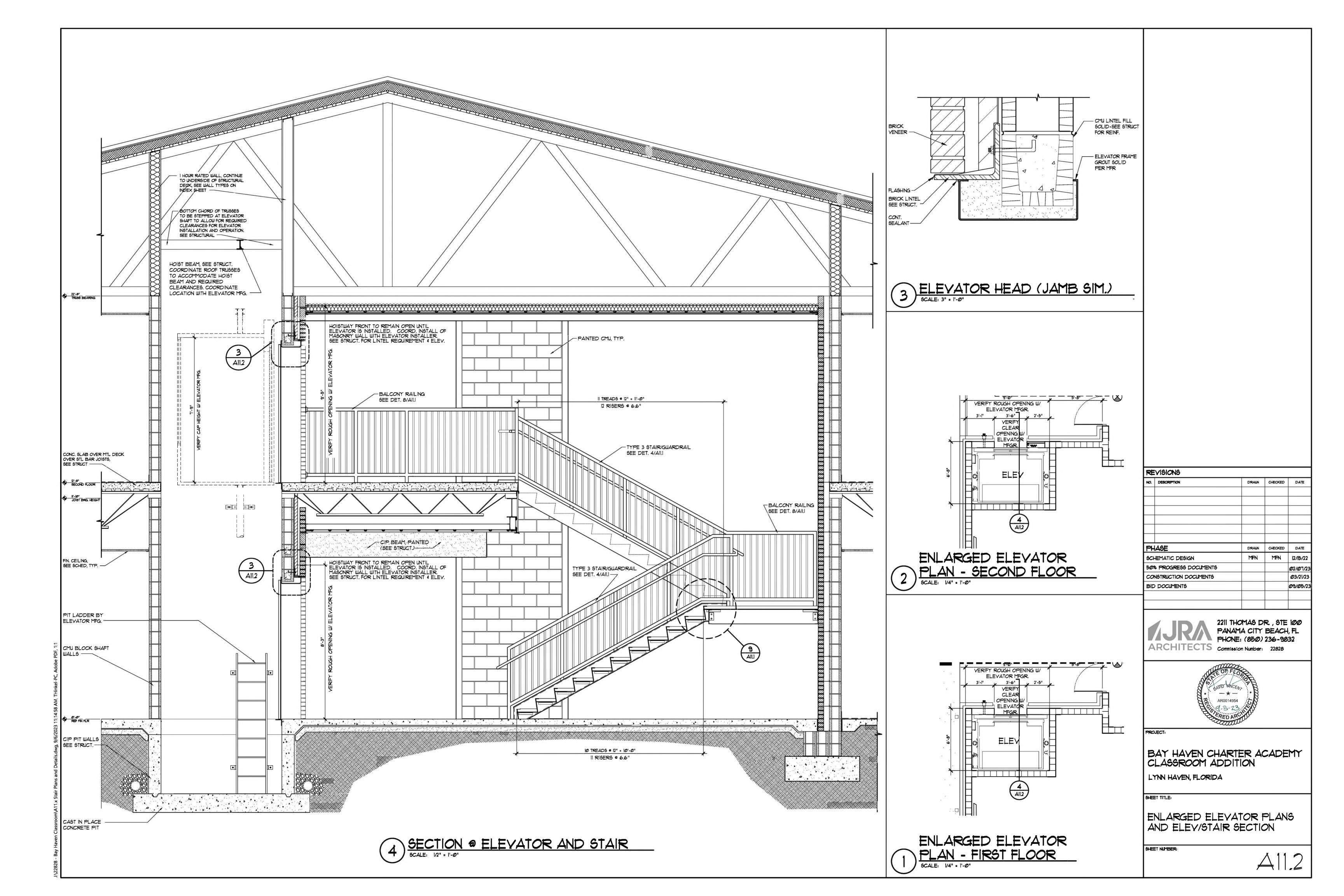


DOOR TYPES SCALE: N.T.S.







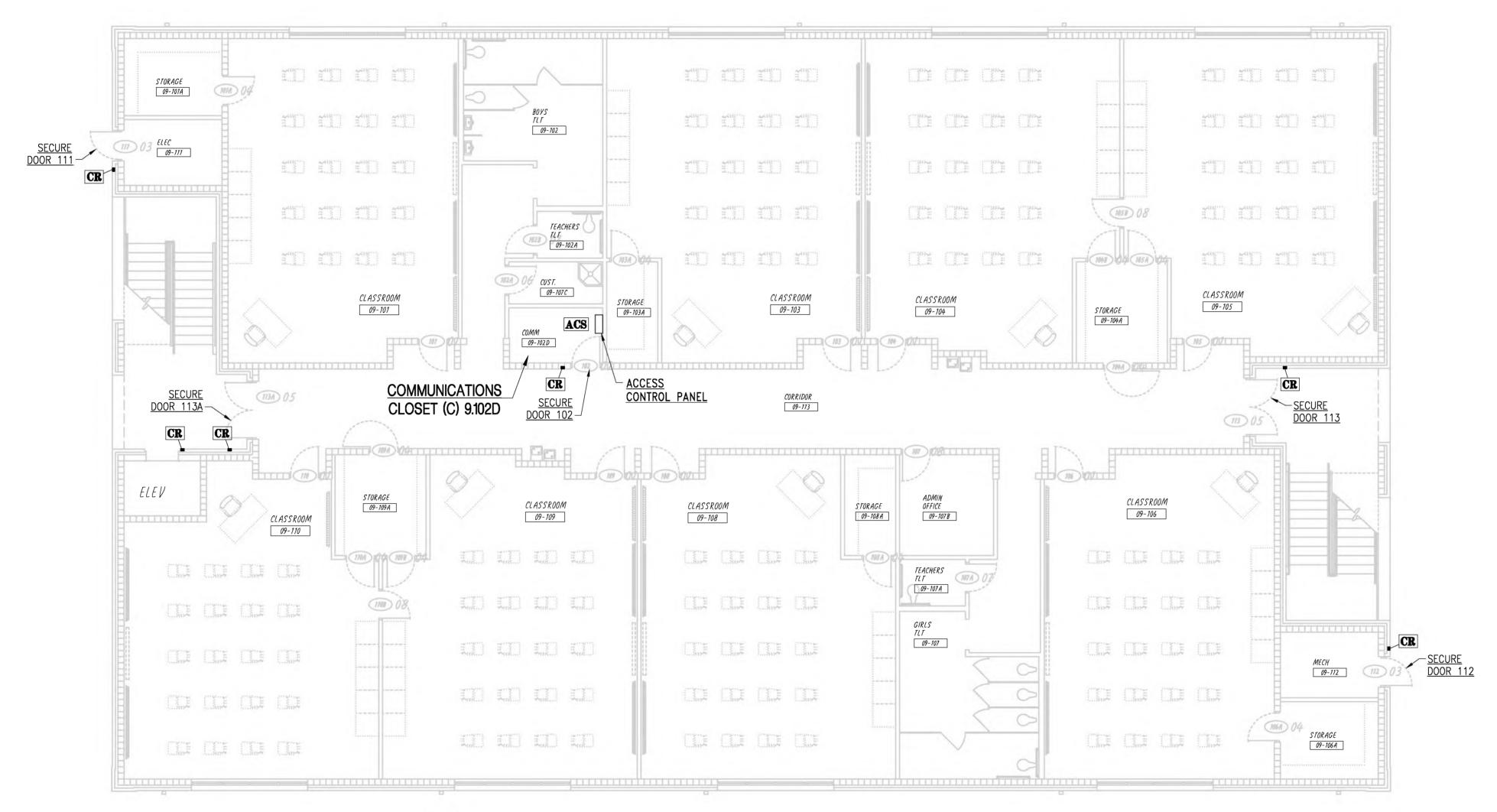


ACCESS CONTROL SYSTEM HORIZONTAL CABLING CONDUIT SLEEVES NOTE:

CONDUIT SLEEVES FOR ACCESS CONTROL SYSTEM CABLING: FINAL ROUTING PATHS FOR FREE-ROUTED ACCESS CONTROL SYSTEM HORIZONTAL CABLING ABOVE CEILINGS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD. FOR THIS REASON CONDUIT SLEEVES AT WALL PENETRATIONS ARE NOT INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE EMT CONDUIT SLEEVES IN THE QUANTITIES AND LOCATIONS REQUIRED TO SUIT THE CONTRACTOR SELECTED HORIZONTAL CABLE ROUTING AS REQUIRED FOR A COMPLETE INSTALLATION, AND AT NO ADDITIONAL COST TO THE OWNER. AT ALL LOCATIONS WHERE HORIZONTAL CABLING RUNS THRU MECHANICAL OR ELECTRICAL EQUIPMENT ROOMS, OR ANY OTHER TYPE OF UNFINISHED SPACE WITH EXPOSED STRUCTURE CEILING, ALL SUCH CABLING SHALL BE RUN IN CONTINUOUS CONDUIT SLEEVES EXTENDING TO THE NEAREST ACCESSIBLE LAY-IN CEILING AT BOTH ENDS. IN ADDITION, THE CONTRACTOR SHALL PROVIDE CONDUIT SLEEVES TRAVERSING INACCESSIBLE (HARD) CEILING OR SOFFIT AREAS AND EXTENDING TO THE NEAREST ACCESSIBLE LAY-IN CEILING AT BOTH ENDS FOR CABLE PASS-THRU. SLEEVES SHALL BE SIZED FOR MAXIMUM 30 PERCENT CABLE FILL, TERMINATE ALL SLEEVES WITH PLASTIC INSULATING BUSHING AT EACH END.

ACCESS CONTROL SYSTEM HORIZONTAL CABLE ROUTING NOTE:

ALL ACCESS CONTROL SYSTEM HORIZONTAL CABLE NOT SHOWN TO BE INSTALLED IN CONDUIT SHALL BE FREE-ROUTED ABOVE CEILINGS AND SHALL BE ROUTED UP HIGH DIRECTLY UNDER THE BUILDING ROOF STRUCTURE AND PROPERLY SUPPORTED WITH APPROVED HANGERS AT 4'-0" ON CENTER, BUT DO NOT RUN CABLES CLOSER THAN 6" BELOW ROOF DECK (TO AVOID DAMAGE FROM LONG SCREWS USED IN FUTURE ROOF REPLACEMENTS). RUN ALL CABLING ABOVE DUCTWORK, PIPING, CONDUITS AND ALL OTHER WORK BY OTHER TRADES AND PLACE FOR MAXIMUM PHYSICAL PROTECTION. BUNDLE CABLES TOGETHER AND ROUTE PARALLEL AND PERPENDICULAR TO BUILDING LINES. HANGERS SHALL BE ERICO CADDY "CABLECAT" CATEGORY-5 WITH WIDE BASE LOOP. LOCATE HANGERS AND BUNDLE CABLES AT 4'-0" O.C. WITH VELCRO, COLOR WHITE. ATTACH HANGERS TO THE BUILDING STRUCTURE. DO NOT ATTACH HANGERS TO CEILING GRID OR SUPPORT WIRES, CONDUITS, DUCTWORK, PIPING, OR ANY OTHER SYSTEM COMPONENT OR WORK OF OTHER TRADES. INSTALL CABLES TO AVOID ELECTROMAGNETIC INTERFERENCE FROM MOTORS, TRANSFORMERS, GENERATORS, ELEVATORS, POWER CABLES/CONDUITS, LIGHTING FIXTURES, ETC. DO NOT ROUTE CABLE THRU FIRE DAMPERS, HVAC DUCTS, VENTILATING SHAFTS, OR GRATES. DO NOT BLOCK ACCESS TO PULL/JUNCTION BOXES, HATCHES, DOORS, UTILITY ACCESS PANELS, MECHANICAL SERVICE AREAS, ELECTRICAL SERVICE AREAS, OR ANY OTHER SPACE ASSOCIATED WITH SERVICE OR ACCESS OF ANY TYPE. DO NOT RUN HORIZONTAL CABLING ABOVE CEILINGS OF CHEMICAL STORAGE ROOMS.





NO EXPOSED CONDUIT OR CABLE NOTE EXPOSED CONDUIT, CABLE, POWER TRANSFERS, FLEX CONDUIT, ORFLEX DOOR

CORDS ARE NOT ALLOWED AT ANY SECURE DOOR INSTALLATION.

CR LOCATION NOTE

DEVICE HEIGHTS SHALL BE AS DIRECTED BY THE ARCHITECT.

CARD READER LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND INTENDED ONLY TO SHOW

DOOR SERVED AND UNSECURE SIDE MOUNTING. THE OWNER'S PROJECT MANAGER WILL LOCATE

ALL LISTED DEVICES IN THE FIELD ANYWHERE IN THE GENERAL VICINITY OF THE DOOR SERVED

COORDINATE FINAL LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO BEGINNING ROUGH-IN.

OR AREA INDICATED AT NO ADDITIONAL COST TO THE OWNER. GC/CM, ACSC AND EC

SECURE SIDE MOUNTING

ALL CONDUIT AT SECURE AND MONITORED DOORS SHALL BE INSTALLED ON THE SECURE SIDE (SIDE OPPOSITE CARD READER).

PROJECT NOTE (ALL SHEETS):

ALL MATERIALS AND EQUIPMENT INDICATED AND REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION SHALL BE NEW AND SHALL BE PROVIDED BY THE CONTRACTOR UNDER THIS PROJECT UNLESS SPECIFICALLY INDICATED TO BE EXISTING OR PROVIDED BY OTHERS.

STOREFRONT NOTE

MOUNT ALL CARD READERS FLUSH IN WALL. MOUNT CARD READERS IN STOREFRONT FRAMING ONLY WHERE SPECIFICALLY DIRECTED BY THE OWNER. GENERAL CONTRACTOR REQUEST DIRECTION FROM THE OWNER AND ACSC PRIOR TO COMMENCEMENT OF ANY RELATED WORK AND REVIEW EACH SECURE DOOR INSTALLATION. WHERE STOREFRONT MOUNTING IS REQUIRED SEE "GENERAL CONDUIT NOTES - ACCESS CONTROL SYSTEM" NOTE 3 SHEET ACS2.2 AND ACSC PROVIDE NARROW STILE CARD READER. THE GENERAL CONTRACTOR AND STOREFRONT SYSTEM INSTALLER SHALL PROVIDE THE ELECTRICAL CONTRACTOR ACCESS TO THE FRAMING TO RUN THE WIRING AS EACH DOOR IS INSTALLED.

ELEVATOR NOTES

ACSC PROVIDE CARD READER AT FIRST AND SECOND FLOORS, COORDINATE WITH AND PROVIDE SYSTEM INTERFACES AS DIRECTED BY ELEVATOR INSTALLER AND AS REQUIRED FOR FULLY FUNCTIONAL OPERATION OF THE CARD READER TO ELEVATOR SYSTEM INTERFACE TO THE SATISFACTION OF THE OWNER. COORDINATE CARD READER LOCATION WITH ELEVATOR INSTALLER AND OWNER. ELECTRICAL CONTRACTOR PROVIDE ALL RELATED CONDUIT AS DIRECTED BY ACSC AND ELEVATOR INSTALLER.

ACCESS CONTROL SYSTEM LEGEND

CORRIDOR ARCHITECT'S ROOM NUMBER, SEE "GENERAL 09-113 LABELING NOTE"

ACCESS CONTROL SYSTEM PANEL

CARD READER

ABBREVIATIONS

CC COMMUNICATIONS CLOSET

ACS ACCESS CONTROL SYSTEM

ACSC ACCESS CONTROL SYSTEM CONTRACTOR SCSC STRUCTURED CABLING SYSTEM CONTRACTOR

EC ELECTRICAL CONTRACTOR

CM/GC CONSTRUCTION MANAGER

Graphic Scale

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

NO.	DESCRIPTION	DRAWN	CHECKED	DATE
PH	ASE	DRAWN	CHECKED	DATE
SC	HEMATIC DESIGN			12/15/22
509	% DOCUMENTS	J.E.C.	G.A.C.	02/07/23
CO	NSTRUCTION DOCUMENTS	J.E.C.	. G.A.C. 03/21,	
BID	DOCUMENTS	J.E.C.	G.A.C.	09/05/23



REVISIONS

2211 THOMAS DR., STE 100 PANAMA CITY BEACH, FL

remier Engineering Group, LLC



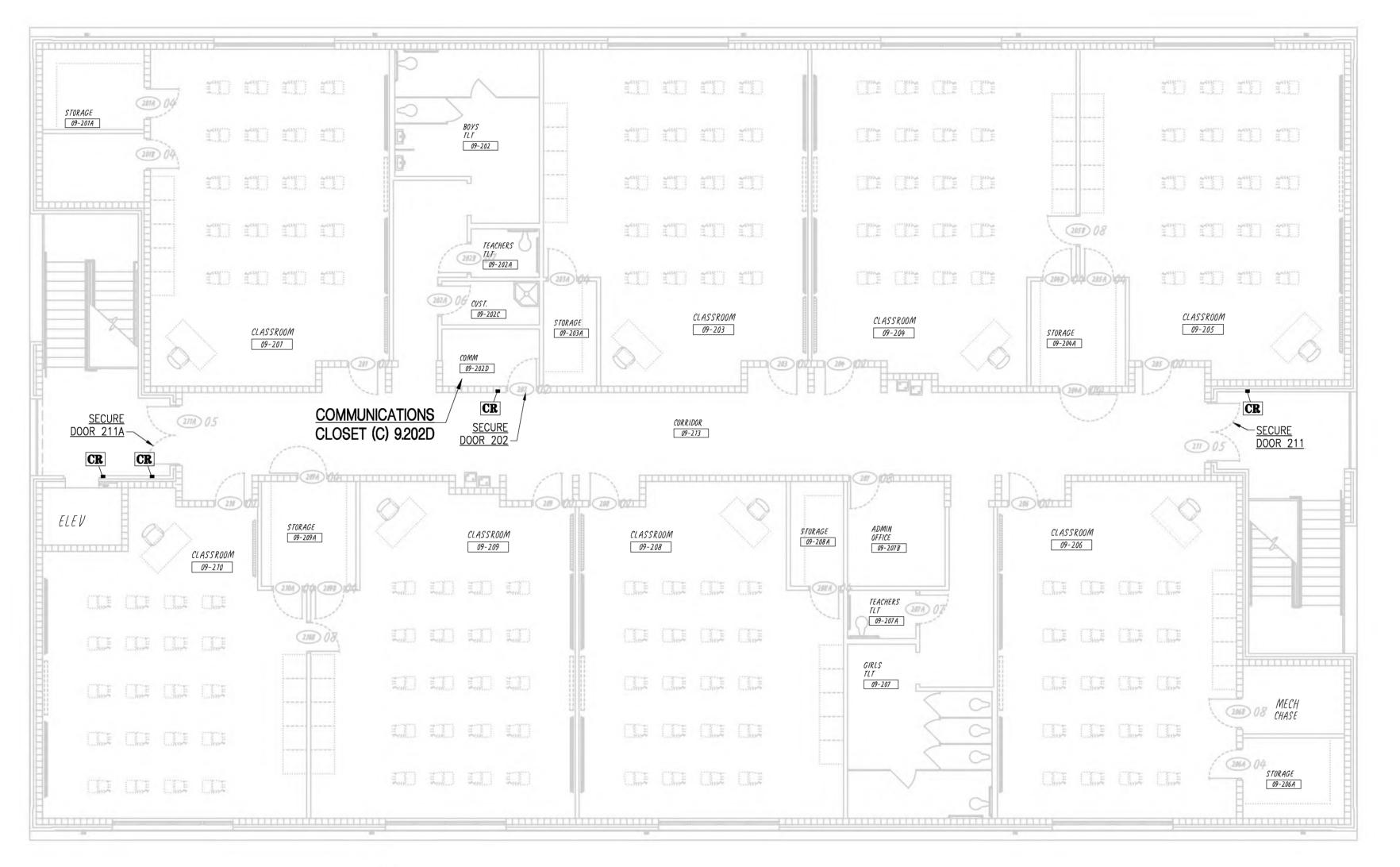
CONSULTANTS:

BAY HAVEN CHARTER ACADEMY CLASSROOM ADDITION

LYNN HAVEN, FLORIDA

SHEET TITLE:

ACCESS CONTROL SYSTEM FLOOR PLAN - FIRST FLOOR





NOTE: SERVE SECOND FLOOR SECURE DOORS AND ELEVATOR LANDING FROM FIRST FLOOR ACCESS CONTROL SYSTEM PANEL. EXTEND 2" CONDUIT FROM TOP OF ACCESS CONTROL SYSTEM PANEL UP THRU SECOND FLOOR CONSTRUCTION (FIRESTOP) AND TERMINATE IN SECOND FLOOR CEILING WITH PLASTIC INSULATING BUSHING.

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SCH	HEMATIC DESIGN			12/15/22
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CON	ISTRUCTION DOCUMENTS	J.E.C.	G.A.C.	03/21/23
BID	DOCUMENTS	J.E.C.	G.A.C.	09/05/23



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Tremier Engineering Group, LLC 410 W. Nine Mile Road, Suite A Pensacola, Florida 32534 Florida Certificate of Authorization #9308 Phone: (850) 469-0405 Fax: (850) 432-0905

LICATIONS DISTO Bicsi Gregory A. Cook BICSI ID # 104998 EXPIRES 12-31-24

BAY HAVEN CHARTER ACADEMY CLASSROOM ADDITION

LYNN HAVEN, FLORIDA

SHEET TITLE:

ACCESS CONTROL SYSTEM FLOOR PLAN - SECOND FLOOR

SHEET NUMBER:

ACS1.2

Graphic Scale

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

DOOR POSITION SWITCH NORMALLY OPEN

DOOR POSITION SWITCHES SHALL BE NORMALLY OPEN. EACH DPS SHALL BE HELD IN CLOSED POSITION BY MAGNET WHEN DOOR IS CLOSED AND MAGNET IS WITHIN MANUFACTURER'S SPECIFIED GAP DISTANCE FROM SWITCH. DPS SHALL MOVE TO OPEN POSITION WHEN DOOR IS OPENED (CIRCUIT IS OPENED AND CURRENT DOES NOT FLOW). CIRCUIT IS ALSO OPENED IF WIRE IS CUT. OPEN CIRCUIT SHALL GENERATE ALARM STATE UNLESS RQE IS SIGNALED (EXCEPT WHERE RQE IS NOT CALLED FOR IN THE DOOR HARDWARE SPECIFICATION.)

CARD READERS SHALL BE HID 'SIGNO 40NKS' OR CARD READER STANDARD WITH THE BAY HAVEN AT THE TIME OF

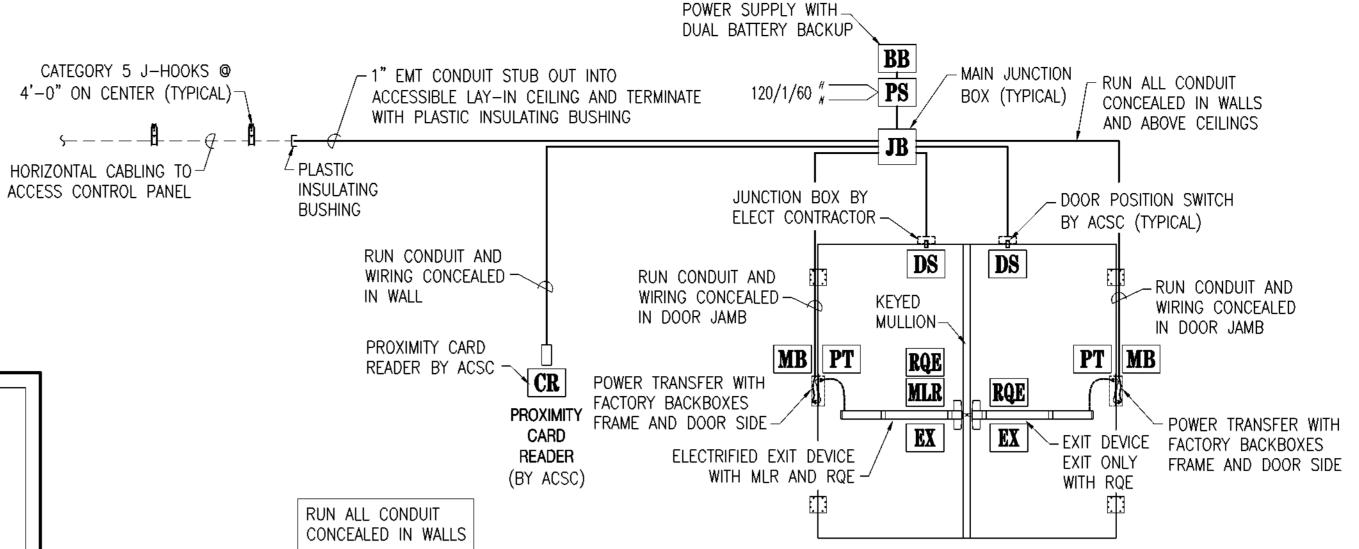
PROJECT MATERIAL SUBMITTALS. THE OWNER WILL PROVIDE FINAL DIRECTION ON THE CARD READER PART NUMBER TO USE. ALL CARD READERS SHALL BE INSTALLED USING OPTIONAL GASKET HID PART NUMBER IP65GSKT TO MAKE

PROVIDE SINGLE GANG DEEP WALL BOX FOR ALL CARD READERS UNLESS OTHERWISE DIRECTED BY ACCESS

SHALL OVERSIZE OPENINGS BE COVERED WITH PLATES AND THE DEVICES MOUNTED ON THE PLATES. BRICK

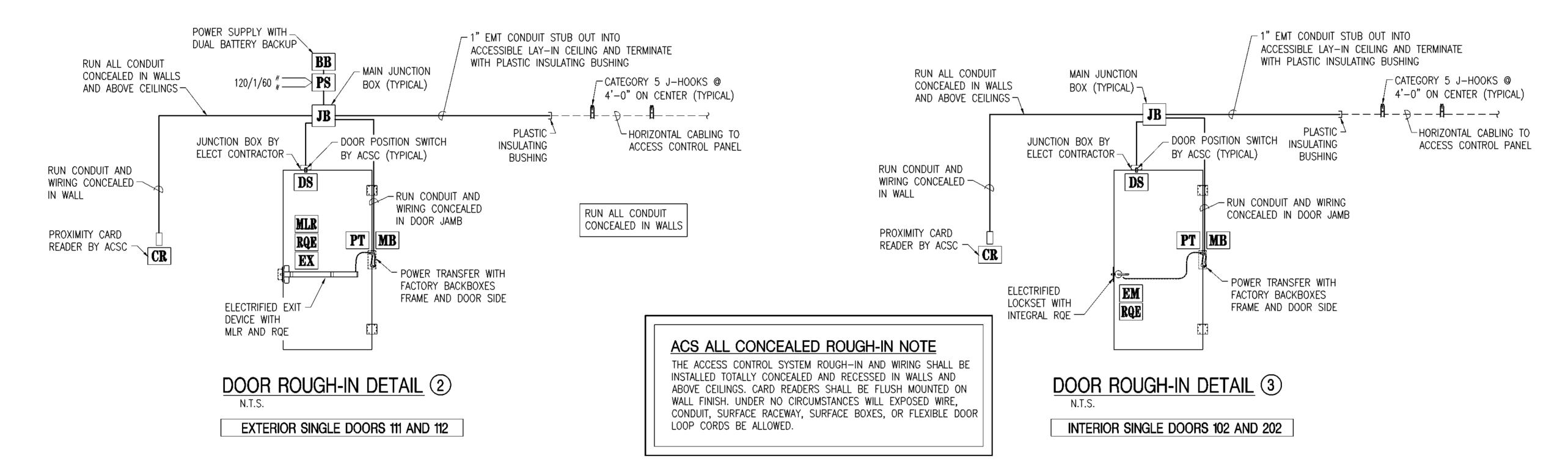
CONTROL SYSTEM CONTRACTOR. PROVIDE MASONRY BOX WHERE MOUNTED IN BRICK. UNDER NO CIRCUMSTANCES

OPENING SHALL BE COMPLETELY COVERED AND CONCEALED BY THE CARD READER. MAKE INSTALLATION WATERTIGHT



DOOR ROUGH-IN DETAIL (1)

EXTERIOR DOUBLE DOORS 113 113A 211 AND 211A



MOUNTING HEIGHTS:

DOOR LAYOUTS INDICATED ON THIS SHEET ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW CORRECT HEIGHTS FOR DEVICES - COORDINATE MOUNTING HEIGHTS WITH ARCHITECT AND MOUNT AT CONSISTENT HEIGHTS - COMPLY WIITH ADA.

CARD READER NOTES

THE INSTALLATION WATERTIGHT TO IP66 STANDARDS.

SECURE SIDE MOUNTING

ALL CONDUIT AT SECURE AND MONITORED DOORS SHALL BE INSTALLED ON THE SECURE SIDE (SIDE OPPOSITE CARD READER).

TYPICAL SECURE SINGLE DOOR OPERATION

PRESENTING VALID CREDENTIAL TO CARD READER TIED TO ACCESS CONTROL SYSTEM SIGNALS TIMED ELECTRIC UNLOCKING OF THE ELECTRIFIED EXIT DEVICE OR ELECTRIFIED LOCKSET. ELECTRIC LOCKING MECHANISM SHALL ALWAYS FAIL SECURE (LOCKS ON LOSS OF POWER). DOOR POSITION SWITCH TIED TO THE INTRUSION ALARM SYSTEM MONITORS STATUS OF EACH DOOR LEAF FOR DOOR HELD OPEN OR UNAUTHORIZED ENTRY. REQUEST-TO-EXIT SWITCH INTERNAL TO EXIT DEVICE OR LOCKSET AND TIED TO THE INTRUSION ALARM SYSTEM IS ACTIVATED UPON EXITING THROUGH EITHER DOOR LEAF FROM THE SECURE SIDE SIGNALING AUTHORIZED EXITING. MECHANICAL FREE EGRESS FROM THE SECURE SIDE SHALL ALWAYS BE POSSIBLE.

DOOR ORIENTATION NOTE:

RIGHT HAND/LEFT HAND ORIENTATION FOR EACH DOOR SHALL BE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS - DOOR LAYOUTS INDICATED ON THIS SHEET ARE DIAGRAMMATIC AND NOT INTENDED TO PROVIDE CORRECT ORIENTATION

TYPICAL SECURE DOUBLE DOOR OPERATION

PRESENTING VALID CREDENTIAL TO CARD READER TIED TO ACCESS CONTROL SYSTEM SIGNALS TIMED ELECTRIC UNLOCKING OF THE ACTIVE LEAF ELECTRIFIED EXIT DEVICE OR ELECTRIFIED LOCKSET. ELECTRIC LOCKING MECHANISM IN ACTIVE LEAF SHALL ALWAYS FAIL SECURE (LOCKS ON LOSS OF POWER). DOOR POSITION SWITCHES TIED TO THE INTRUSION ALARM SYSTEM MONITOR STATUS OF EACH DOOR LEAF FOR DOOR HELD OPEN OR UNAUTHORIZED ENTRY. REQUEST-TO-EXIT SWITCHES INTERNAL TO BOTH EXIT DEVICES OR LOCKSETS AND TIED TO THE INTRUSION ALARM SYSTEM IS ACTIVATED UPON EXITING THROUGH EITHER DOOR LEAF FROM THE SECURE SIDE SIGNALING AUTHORIZED EXITING. MECHANICAL FREE EGRESS FROM THE SECURE SIDE SHALL ALWAYS BE POSSIBLE THRU EITHER LEAF.

ACCESS CONTROL SYSTEM LEGEND

BB BATTERY BACKUP

MB MORTAR BOX

CR CARD READER

DS DOOR POSITION SWITCH

MLR MOTORIZED LATCH RETRACTION

EX RIM EXIT DEVICE

PS POWER SUPPLY PT | EPT STYLE POWER TRANSFER

EM ELECTRIFIED LOCKSET

RQE REQUEST TO EXIT

JB JUNCTION BOX

1 DOOR DETAIL NUMBER

RE	REVISIONS					
NO.	DESCRIPTION	DRAWN	CHECKED	DATE		
PHASE		DRAWN	CHECKED	DATE		
SCH	EMATIC DESIGN			12/15/22		
509	0% DOCUMENTS		G.A.C.	02/01/23		
C01	CONSTRUCTION DOCUMENTS		G.A.C.	03/21/23		
BID DOCUMENTS		J.E.C.	G.A.C.	09/05/23		



2211 THOMAS DR., STE 100 ARCHITECTS commission Number: 22828

CONSULTANTS: remier Engineering Group, LLC



BAY HAVEN CHARTER ACADEMY CLASSROOM ADDITION

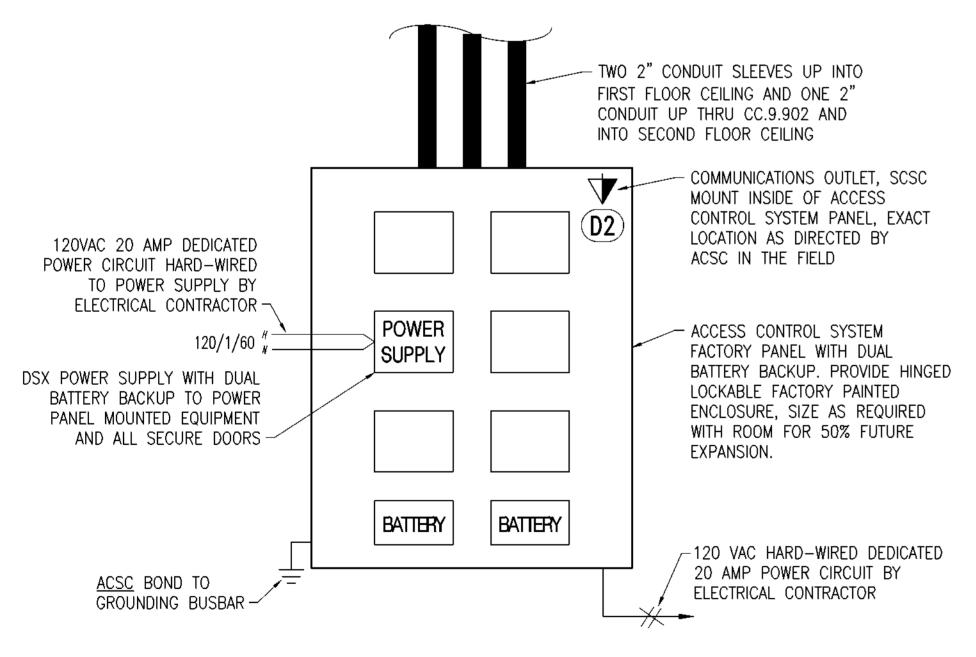
LYNN HAVEN, FLORIDA

SHEET TITLE:

ACCESS CONTROL SYSTEM TYPICAL ROUGH-IN DETAILS

GENERAL CONDUIT NOTES - ACCESS CONTROL SYSTEM

- RUN ALL ACCESS CONTROL SYSTEM CABLING CONTINUOUSLY IN CONDUIT AT DOOR ROUGH-IN, SEE ROUGH-IN DETAILS SHEETS ACS200 AND ACS201. ALL INTERIOR CONDUIT SHALL BE EMT WITH STEEL SET SCREW FITTINGS (DIE CAST FITTINGS) ARE NOT ALLOWABLE). CONDUIT SIZE SHALL BE 1" MINIMUM OR LARGER AS INDICATED. EXCEPT WHERE 1/2" CONDUIT IS SPECIFICALLY ALLOWED AT LOCAL DOOR DEVICES. WHERE CONDUIT SIZE IS NOT SPECIFICALLY INDICATED PROVIDE SIZE AS REQUIRED FOR EACH CONDUIT RUN WITH MAXIMUM 30% CONDUIT FILL RATE.
- ELECTRICAL CONTRACTOR PROVIDE ALL CONDUIT AS INDICATED AND ALL ADDITIONAL CONDUIT AS REQUIRED FOR A COMPLETE SYSTEM, TO INCLUDE CONDUIT SLEEVES. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT REQUIRED BY THE ACCESS CONTROL SYSTEM CONTRACTOR ALONG WITH ALL CONDUIT INDICATED ON THE DRAWINGS, AND SHALL INCLUDE AS PART OF THE BASE BID ALL SUCH CONDUIT WORK.
- 3. DO NOT MOUNT CARD READERS IN STOREFRONT FRAMING UNLESS SPECIFICALLY DIRECTED TO DO SO BY THE OWNER. WHERE DOORS ARE MOUNTED IN A STOREFRONT SYSTEM AND WHERE THE OWNER SPECIFICALLY DIRECTS THE ACSC TO MOUNT THE ASSOCIATED CARD READERS IN THE STOREFRONT SYSTEM RUN ALL WIRING IN CONDUIT PROVIDED BY THE ELECTRICAL CONTRACTOR CONCEALED IN STOREFRONT SYSTEM FRAMING. AT CONTRACTOR'S OPTION WIRING WITHIN THE STOREFRONT MAY BE RUN CONTINUOUSLY IN STAINLESS STEEL ARMORED FLEXIBLE CONDUIT, SIZE AS REQUIRED, CONNECTING TO THE EMT WITH A FITTING MADE FOR THAT PURPOSE AT A JUNCTION BOX ABOVE THE CEILING, BUT UNDER NO CIRCUMSTANCES SHALL ANY WIRING BE RUN WITHIN STOREFRONT FRAMING WITHOUT CONDUIT. CLOSELY COORDINATE REQUIREMENTS WITH GENERAL CONTRACTOR AND STOREFRONT SUPPLIER PRIOR TO MANUFACTURER OF STOREFRONT SYSTEM.
- 4. EXTEND 1" CONDUIT FROM EACH SECURE DOOR MAIN JUNCTION BOX MAIN JUNCTION BOX TO THE NEAREST ACCESSIBLE LAY-IN CEILING AND TERMINATE WITH PLASTIC INSULATING BUSHING. RUN 1/2" CONDUIT FROM MAIN JUNCTION BOX CONTINUOUS TO EACH POWER TRANSFER BACKBOX, EACH DOOR POSITION SWITCH JUNCTION BOX AND EACH CARD READER JUNCTION BOX. PROVIDE OTHER CONDUITS AS INDICATED IN DOOR DETAILS AND ELSEWHERE ON THE DRAWINGS AND AS REQUIRED BY THE ACSC.
- 5. RUN CONDUIT AND MOUNT MAIN JUNCTION BOXES FOR EACH SECURE DOOR ON THE SECURE SIDE OF THE DOOR SERVED IN AN ACCESSIBLE/SERVICABLE LOCATION ABOVE A LAY-IN CEILING AS CLOSE TO THE DOOR AS POSSIBLE OR IN A NEARBY ELECTRICAL EQUIPMENT ROOM. RUN ALL CONDUITS AT SECURE DOORS CONCEALED ABOVE CEILINGS AND IN WALLS. EXPOSED WIRING, SURFACE RACEWAY AND ARMORED DOOR LOOPS AND CABLES ARE NOT ALLOWED.
- 6. MOUNT ACS PANELS AND ASSOCIATED POWER SUPPLIES IN COMM ROOMS ONLY. MOUNT POWER SUPPLIES INSIDE OF ACS PANELS.
- 7. FIRE WALLS: FIRESTOP ALL SECOND FLOOR PENETRATIONS AND ALL PENETRATIONS OF FIRE RATED WALLS. FIRESTOP USING ASSEMBLY UL LISTED FOR THE SPECIFIC APPLICATION AND FLOOR OR WALL RATING. INSTALL IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS AND THE CONDITIONS OF THE ULLISTING.
- 8. SMOKE WALL PENETRATIONS AND PENETRATIONS OF NON-FIRE RATED WALLS EXTENDING UP TO THE STRUCTURE ABOVE: ALL CONDUIT PENETRATIONS OF ALL WALLS INDICATED ON THE ARCHITECTURAL DRAWINGS AS SMOKE WALLS/BARRIERS/PARITIONS AND ALL NON-FIRE RATED WALLS INDICATED ON THE ARCHITECTURAL DRAWINGS AS EXTENDING UP TO THE STRUCTURE ABOVE SHALL BE SEALED SMOKETIGHT WITH STI SMOKE 'N' SOUND SEALANT WITH UL LISTED 'L' SMOKE RATING AND 'ST' ACOUSTICAL RATING OF 62. SEALANT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS FOR 1/4" SEALANT CAULK ON BOTH SIDES OF THE WALL. SEALANT INSTALLATION ON ONLY ONE SIDE OF THE WALL IS NOT ACCEPTABLE. AT THE CONTRACTOR'S OPTION PROVIDE AN ALTERNATE ACOUSTICAL SEALANT WITH EQUAL 'ST' RATING AT THRU PENETRATIONS OF NON-SMOKE RATED WALLS THAT EXTEND UP TO THE STRUCTURE ABOVE FOR SOUND ISOLATION. INSTALL SAME AS INDICATED FOR STI SMOKE 'N' SOUND ABOVE.
- 9. ELECTRICAL CONTRACTOR PROVIDE HEAVY DUTY PULL STRINGS IN ALL CONDUITS SERVING SECURE DOORS AND DEVICES FOR USE BY CABLING INSTALLER RUN CONTINUOUS FROM PULL POINT TO PULL POINT WITH NOT LESS THAN 10 FEET SLACK COILED AT EACH END.
- 10. SUPPORT CONDUIT DIRECTLY FROM BUILDING STRUCTURE USING APPROVED HARDWARE. DO NOT SUPPORT CONDUIT FROM OTHER SYSTEMS COMPONENTS OR SUPPORTS. RUN ALL CONDUITS PARALLEL/PERPENDICULAR AND PLUMB WITH BUILDING LINES.
- 11. CONDUIT BODIES SUCH AS 'LB' FITTINGS ARE NOT ALLOWABLE.
- 12. TERMINATE ALL CONDUIT ENDS WITH THREADED PLASTIC INSULATING BUSHINGS (PUSH-ON NOT ALLOWABLE). BUSHINGS MUST FIT TIGHTLY ON CONDUIT CONNECTOR THREADS. INSTALL ALL BUSHINGS PRIOR TO PULLING CABLE.
- 13. IDENTIFICATION: IDENTIFY ALL INDOOR ACS CONDUITS AND PULLBOXES ABOVE LAY-IN CEILINGS AT EVERY PULLBOX AND ON CONDUIT AT EACH COUPLER (PAINT ENTIRE COUPLER) WITH WHITE PAINT. DO NOT PAINT SLEEVES IN EQUIPMENT ROOMS.



TYPICAL ACCESS CONTROL SYSTEM PANEL DETAIL NOT TO SCALE

ACCESS CONTROL SYSTEM CONTRACTOR

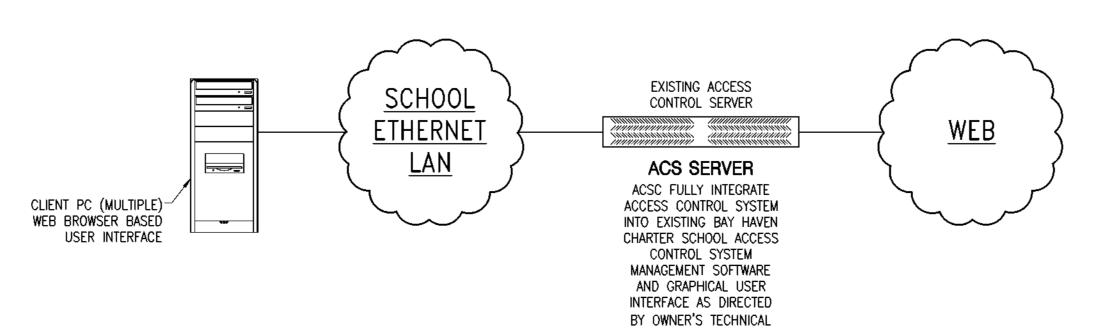
THE GENERAL CONTRACTOR SHALL INCLUDE A COMPLETE ACCESS CONTROL SYSTEM WITH INTEGRATED INTRUSION ALARM AND LOCKDOWN FOR THIS PROJECT PROVIDED BY A SPECIALIZED ACCESS CONTROL SYSTEM CONTRACTOR (ACSC). THE ACCESS CONTROL SYSTEM CONTRACTOR SHALL BE DSX CERTIFIED PRIOR TO BIDS, SHALL BE WELL EXPERIENCED IN THE INTEGRATION OF AN ACCESS CONTROL SYSTEM OF THE TYPE AND SIZE REQUIRED FOR THIS PROJECT INTO DSX. SHALL MEET ALL ADDITIONAL QUALIFICATIONS STATED IN THE SPECIFICATIONS. AND SHALL BE APPROVED IN ADVANCE OF BIDS BY THE OWNER. EACH GC/CM SUBMITTING A BID FOR THIS PROJECT SHALL CONTACT THE OWNER'S PROJECT MANAGER AND OBTAIN A LIST OF APPROVED ACCESS CONTROL SYSTEM CONTRACTORS FOR THIS PROJECT PRIOR TO BIDS.

THE SCOPE OF WORK SHALL INCLUDE THE ACCESS CONTROL SYSTEM WITH INTRUSION ALARM AND LOCKDOWN COMPLETE WITH ALL WORK INDICATED ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS, ALL DEVICES, EQUIPMENT AND WORK DESCRIBED IN THE INTEGRATOR'S COST PROPOSAL AND ASSOCIATED STATEMENT OF WORK, ALL OTHER DEVICES, EQUIPMENT AND WORK REQUIRED FOR A COMPLETE SYSTEM, ALL WIRING AND CABLING (EXCEPT AS INDICATED BELOW FOR CATEGORY 6 CABLING BY THE SCSC), AND ALL PROGRAMMING AND SETUP REQUIRED TO MAKE THE SYSTEM FULLY OPERATIONAL AND FUNCTIONAL TO THE SATISFACTION OF THE OWNER.

RELATED WORK TO BE PROVIDED BY OTHERS BUT NOT INCLUDED IN THE SCOPE OF WORK FOR THE ACCESS CONTROL SYSTEM CONTRACTOR SHALL INCLUDE CONDUIT FOR ALL ACCESS CONTROL SYSTEM WIRING AND CABLING AND ALL POWER AND GROUNDING REQUIRED FOR THE ACCESS CONTROL SYSTEM. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE ASSOCIATED CONDUIT, POWER AND GROUNDING WORK WITH THE ACCESS CONTROL SYSTEM CONTRACTOR - BUT THE SCOPE OF CONDUIT, POWER AND GROUNDING WORK SHALL NOT BE LESS THAN THAT DESCRIBED ON THE DRAWINGS. THE SCSC SHALL PROVIDE CATEGORY 6 CABLING TO EACH ACCESS CONTROL SYSTEM PANEL AS INDICATED ON THE DRAWINGS.

ACCESS CONTROL SYSTEM CABLING REQUIREMENTS

- PROVIDE JACKETED WIRE FOR ALL APPLICATIONS.
- PROVIDE SHIELDED CABLE WHERE RECOMMENDED BY THE CONNECTED EQUIPMENT MANUFACTURER. TERMINATE SHIELD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- HOMERUN CARD READER CABLE FROM READER TO SERVING ACCESS CONTROL SYSTEM PANEL, PROVIDE SLACK IN CABLE AT MAIN PULL BOX AT EACH SECURE DOOR, MAKE ALL WIRING CONNECTIONS TO CABLE IN MAIN PULL BOX AT EACH SECURE DOOR.
- 4. FOR PURPOSES OF BIDS THE ACS CONTRACTOR SHALL PROVIDE THE FOLLOWING WIRING FOR THE ACS AND OTHER SECURITY SYSTEMS. FOLLOWING BIDS THE ACSC SHALL SHALL PROVIDE WIRING AS REQUIRED FOR EACH APPLICATION AT NO ADDITIONAL COST TO THE OWNER.
- PROVIDE THE FOLLOWING WIRING TO EACH CARD READER: 4-CONDUCTOR/18 AWG, 3-PAIR/22 AWG, 2-CONDUCTOR/22 AWG, 4-CONDUCTOR/22 AWG
- PROVIDE WIRING AS REQUIRED TO ALL OTHER ACCESS CONTROL AND SECURITY SYSTEM DEVICES AND POWER SUPPLIES.
- CONDUCTOR QUANTITIES AND GAUGES ARE MINIMUM. PROVIDE HIGHER CONDUCTOR COUNT AND LARGER GAUGES AS REQUIRED FOR EACH WIRED DEVICE PER MANUFACTURER'S INSTRUCTIONS.



DSX NOTE

WHEREVER DSX IS NOTED IT SHALL BE UNDERSTOOD AS REFERRING TO THE EXISTING ACCESS CONTROL SYSTEM MANAGEMENT SOFTWARE AND GRAPHICAL USER INTERFACE CURRENTLY IN USE BY BAY HAVEN CHARTER SCHOOL AND NOT DSX.

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IBAY HAVEN CHARTER ACADEMY CLASSROOM ADDITION

LYNN HAVEN, FLORIDA

SHEET TITLE:

ACCESS CONTROL SYSTEM TYPICAL DETAILS

ACSC, EC, SCSC AND GC/CM COORDINATION NOTES

- THE ACSC SHALL PROVIDE THE ACCESS CONTROL SYSTEM NOTIFICATION OF ALARMS TO OWNER IDENTIFIED CENTRAL RECEIVING STATIONS, OTHER WORK SHOWN TO BE BY THE ACSC IN THE DRAWINGS AND SPECIFICATIONS, AND ALL OTHER WORK REQUIRED FOR COMPLETE AND FULLY FUNCTIONAL SYSTEMS.
- 2. THE ACSC WILL FULLY INTEGRATE THE ACCESS CONTROL SYSTEM INTO THE OWNER'S EXISTING DSX ACCESS CONTROL SYSTEM SOFTWARE FOR MANAGEMENT OF THE ACCESS CONTROL SYSTEM TO INCLUDE INTRUSION ALARM AND LOCKDOWN.
- 3. THE ACSC SHALL PROVIDE ALL LOW VOLTAGE WIRING ASSOCIATED WITH THE SYSTEM LISTED ABOVE.
- 4. THE ACSC SHALL PROVIDE ALL MAINS POWER TO LOW VOLTAGE POWER SUPPLIES REQUIRED TO POWER ACCESS CONTROL SYSTEM PANELS AND ALL SECURE DOORS. THE ACSC SHALL FURNISH THOSE POWER SUPPLIES TO THE EC FOR INSTALLATION.
- 5. THE ACSC SHALL PROVIDE A DETAILED STATEMENT OF WORK WITH INCLUSIONS AND EXCLUSIONS TO THE GC/CM AND EC FOR FINAL COORDINATION, ALONG WITH WIRING DIAGRAMS, INSTALLATION, OPERATION AND MAINTENANCE MANUALS, AND OTHER INFORMATION REQUIRED FOR THE GC AND EC TO COMPLETE THEIR ASSOCIATED WORK IN A TIMELY MANNER IN ACCORDANCE WITH THE OVERALL PROJECT SCHEDULE.
- 6. THE GC/CM SHALL PROVIDE OVERALL COORDINATION AND SCHEDULING FOR THE SYSTEM LISTED ABOVE TO INCLUDE DIRECT COORDINATION BETWEEN THE ACSC AND EC FOR ROUGH-IN AND OTHER WORK ITEMS THAT ARE TIME CRITICAL. THE GC/CM SHALL ALSO PROVIDE OVERALL COORDINATION OF EQUIPMENT LOCATIONS WITH THE ARCHITECT, OWNER, EC AND ACSC.
- 7. THE EC AND ACSC SHALL COORDINATE PROJECT REQUIREMENTS AS SOON AS THE ACSC IS IDENTIFIED BY THE OWNER AND CONTINUALLY DURING THE COURSE OF THE PROJECT.
- 8. THE EC SHALL PROVIDE ALL CONDUIT, BOXES, ENCLOSURES, PULL STRINGS AND TAPES, SLEEVES, FIRESTOPPING, SMOKESTOPPING, POWER, GROUNDING. AND ALL OTHER WORK REQUIRED BY CODE OR FOR COMPLETE AND FULLY FUNCTIONAL SYSTEMS BUT NOT PROVIDED BY THE ACSC OR SPECIFICALLY IDENTIFIED AS PROVIDED BY OTHERS, WHETHER SPECIFICALLY SHOWN OR NOT.
- 9. THE EC SHALL WIRE AND MAKE ALL CONNECTIONS TO ALL ELECTRIFIED DOOR HARDWARE AND DOOR HARDWARE THAT REQUIRES ANY TYPE OF 120 VAC WIRING CONNECTION. SEE DOOR HARDWARE SPECIFICATION SECTION 087100 AND ARCHITECTURAL AND ELECTRICAL DRAWINGS.
- 10. ACCESS CONTROL SYSTEM PANELS CATEGORY 6 OUTLET: CATEGORY 6 CABLING AND MODULAR OUTLETS FOR NETWORK CONNECTIONS TO ACSC PANELS SHALL BE PROVIDED BY THE STRUCTURED CABLING SYSTEM CONTRACTOR (SCSC) COMPLETE TO INCLUDE PATCH PANELS, TERMINATION, LABELING, TESTING, AND PATCHING TO ASSIGNED NETWORK CONNECTIONS. THE CATEGORY 6 CABLES SHALL BE TERMINATED ON A BISCUIT JACK BY THE SCSC INSIDE THE ACSC PANELS. SCSC AND ACSC COORDINATE FINAL OUTLET LOCATIONS WITHIN PANELS.

ACCESS CONTROL SYSTEM GENERAL NOTES:

- 1. REFER TO <u>SPECIFICATION SECTION 087100 DOOR HARDWARE</u> TO CROSS REFERENCE DOOR HARDWARE SET NUMBERS TO INDIVIDUAL DOOR NUMBERS ALONG WITH OTHER INFORMATION FOR SECURE DOORS TO INCLUDE OPERATION, DOOR HARDWARE INDICATED ON ACS DRAWINGS IS FOR INFORMATION ONLY. SEE DOOR HARDWARE SPECIFICATION FOR FINAL DOOR HARDWARE REQUIREMENTS, ALL DOOR HARDWARE COMPONENTS LISTED IN SPECIFICATION SECTION 087100 - DOOR HARDWARE SHALL BE PROVIDED BY THE DOOR HARDWARE PROVIDER UNLESS SPECIFICALLY INDICATED TO BE PROVIDED BY OTHERS. CARD READERS AND DOOR POSITION SWITCHES SHALL BE PROVIDED BY THE ACCESS CONTROL SYSTEM CONTRACTOR. POWER SUPPLIES SHALL HAVE DUAL BATTERY BACKUP AND SHALL BE FURNISHED BY THE ACCESS CONTROL SYSTEM CONTRACTOR INTEGRAL TO THE DSX CONTROL PANEL. LOW VOLTAGE WIRING SHALL BE PROVIDED BY THE ACCESS CONTROL SYSTEM CONTRACTOR, ALL CONDUIT FOR LOW VOLTAGE WIRING SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR, 120VAC POWER AND ALL CONDUIT FOR POWER SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- ALL DOORS SHALL FAIL SECURE UPON LOSS OF POWER TO LOCKING DEVICE FOR ANY REASON.
- 3. ALL DOORS SHALL HAVE MECHANICAL FREE EGRESS FROM SECURE SIDE TO UNSECURE SIDE UNLESS SPECIAL CIRCUMSTANCES DICTATE OTHERWISE AS SPECIFICALLY DESCRIBED IN THE DOOR HARDWARE SPECIFICATIONS.
- 4. ALL DOORS SHALL HAVE REQUEST TO EXIT FEATURE PROVIDED BY THE DOOR LOCKING DEVICE MANUFACTURER AS PART OF THE DOOR HARDWARE PACKAGE. REQUEST TO EXIT SHALL INDICATE AUTHORIZED EGRESS FROM SECURE SIDE TO UNSECURE SIDE SO THAT INTRUSION ALARM IS NOT ACTIVATED.
- 5. ALL SECURE DOOR MAIN JUNCTION BOXES SHALL BE 12"x12"x6" NEMA 1 SCREW COVER AND SHALL BE INSTALLED IN ACCESSIBLE LOCATION ABOVE LAY-IN CEILING AS CLOSE TO DOOR SERVED AS POSSIBLE.
- 6. MOUNT ALL CARD READERS FLUSH IN WALL. DO NOT MOUNT IN STOREFRONT FRAMING UNLESS SPECIFICALLY DIRECTED TO DO SO BY THE OWNER OR ARCHITECT. WHERE STOREFRONT MOUNTING IS REQUIRED SEE "GENERAL CONDUIT NOTES - ACCESS CONTROL SYSTEM" NOTE 3 SHEET ACS2.2 AND ACSC PROVIDE NARROW STILE CARD READER.
- 7. PROVIDE WEATHERPROOF CARD READERS. ROUGH-IN AND MOUNTING AT ALL LOCATIONS.
- 8. CARD READER LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND INTENDED ONLY TO SHOW DOOR SERVED AND UNSECURE SIDE MOUNTING. THE OWNER'S PROJECT MANAGER AND ARCHITECT PROVIDE DIRECTION ON EXACT LOCATION OF ALL CARD READERS IN THE FIELD — WHICH MAY BE ANYWHERE IN THE VICINITY OF THE DOOR SERVED AT NO ADDITIONAL COST TO THE OWNER. THE GC SHALL REQUEST LOCATIONS WELL PRIOR TO COMMENCEMENT OF ROUGH-IN.
- 9. THE GC/CM SHALL PROVIDE OVERALL COORDINATION AND SCHEDULING FOR THE ACCESS CONTROL SYSTEM INCLUDING DIRECT COORDINATION BETWEEN THE ACSC AND EC FOR ROUGH-IN AND OTHER WORK ITEMS THAT ARE TIME CRITICAL. THE GC SHALL ALSO PROVIDE OVERALL COORDINATION OF EQUIPMENT LOCATIONS (CARD READERS) WITH THE ARCHITECT, OWNER, EC AND ACSC.
- 10. PROVIDE WALL/MORTAR/JUNCTION BOXES AT ALL POWER TRANSFERS, AND DOOR POSITION SWITCHES REGARDLESS OF WALL TYPE AND WHETHER DOOR FRAMES ARE MORTAR FILLED OR NOT. CONNECT CONDUIT TO BOXES WITH MORTAR TIGHT COMPRESSION FITTINGS. PROVIDE GROMMETS WHERE WIRING PASSES THRU OPENINGS IN METAL COMPONENTS. COMPLY WITH CODE FOR PROTECTION OF CONDUITS IN CONTACT WITH MORTAR OR CONCRETE.
- 11. FINAL DOOR NUMBERS SHALL BE BASIS FOR SYSTEM LABELING AND PROGRAMMING SHALL BE BASED ON FINAL ROOM NUMBERS USED FOR ROOM SIGNAGE. FINAL NUMBERING/LABELING SCHEME FOR DOORS OTHER SECURITY DEVICES SHALL BE WORKED OUT IN CLOSE COORDINATION WITH THE OWNER'S PROJECT MANAGER AND ARCHITECT.

INTRUSION ALARM NOTES

- THE ACS CONTRACTOR SHALL SETUP THE INTRUSION ALARM SYSTEM AS AN EXTENSION OF AND FULLY INTEGRATED INTO THE OWNER'S DSX ACCESS CONTROL SYSTEM FOR A SEAMLESS USER INTERFACE.
- ALL SECURE DOORS ARE MECHANICAL FREE EGRESS AT ALL TIMES. ALL SECURE DOORS SHALL FAIL SECURE (LOCKED) UPON A POWER FAILURE. A FIRE ALARM EVENT SHALL NOT UNLOCK ANY SECURE DOOR.
- ALL SECURE DOORS SHALL HAVE REQUEST TO EXIT INTEGRAL TO THE DOOR HARDWARE SUCH THAT EGRESS THRU A SECURE DOOR FROM THE SECURE SIDE SHALL NOT GENERATE AN INTRUSION ALARM.
- THE INTRUSION ALARM SHALL OPERATE ON AN ARMED/DISARMED MODE BASIS, WITH THE MODE BASED ON TIME OF DAY.
- IN ADDITION THE OWNER SHALL HAVE THE ABILITY TO INDEX THE SYSTEM TO MULTIPLE SPECIAL EVENT MODES.

<u>ARMED MODE – GENERAL:</u>

IN THE ARMED MODE ALL SECURE DOORS ARE ELECTRICALLY LOCKED AND MAY BE ENTERED ONLY BY INDIVIDUALS WITH VALID CARD READER CREDENTIAL AND PERMISSION TO ENTER THE BUILDING DURING THE TIME WHEN THE SYSTEM IS ARMED.

UNARMED MODE — GENERAL:

IN THE UNARMED MODE ALL SECURE DOORS ARE ELECTRICALLY LOCKED AND MAY BE ENTERED ONLY BY INDIVIDUALS WITH VALID CARD READER CREDENTIAL AND PERMISSION TO ENTER THE BUILDING DURING THE TIME WHEN THE SYSTEM IS UNARMED. ALTERNATELY THE OWNER MAY CHOOSE TO HAVE ONE OR MORE SECURE DOORS ELECTRICALLY UNLOCKED DURING THE TIME WHEN THE SYSTEM IS UNARMED.

- THE OWNER MAY ELECT TO SET SYSTEM ARMED AND UNARMED MODES BASED ON TIME OF DAY ONLY, OR TO KEEP THE SYSTEM IN ARMED MODE AT ALL TIMES.
- AN INTRUSION ALARM SHALL BE GENERATED ANYTIME A SECURE DOOR IS ELECTRICALLY LOCKED AND IS FORCED OPEN AS SENSED BY THE DOOR POSITION SWITCH(ES), EXCEPT FOR EXCEPTIONS ON A DOOR-BY-DOOR AND TIME-OF-DAY BASIS AS DIRECTED BY THE OWNER. IN ARMED MODE A DOOR-HELD-OPEN NOTIFICATION MAY BE GENERATED FIRST, FOLLOWED BY AN INTRUSION ALARM, AS DIRECTED BY THE OWNER.
- AN INTRUSION ALARM SHALL AUTOMATICALLY INITIATE A LOCKDOWN, UNLESS OTHERWISE DIRECTED BY THE
- SEE 'EMERGENCY NOTIFICATION NOTE' FOR REQUIREMENTS RELATED TO EMERGENCY NOTIFICATION OF INTRUSION ALARMS. THE OWNER MAY ELECT TO HAVE UP TO DIFFERENT LEVELS OR TYPES OF ALARM NOTIFICATION FOR INTRUSION ALARMS.
- THESE MODES OF OPERATION MAY VARY AT THE OWNER'S DIRECTION AND NO ADDITIONAL COST TO THE OWNER.
- THESE OPERATING NOTES ARE FOR GENERAL INFORMATION ONLY AND ARE NOT INTENDED TO CONVEY THE FULL SCOPE OF ACS CONTRACTOR WORK. IT SHALL BE THE SOLE RESPONSIBILITY OF THE ACS CONTRACTOR TO COORDINATE ALL REQUIRED DETAILS OF BUILDING OPERATIONAL MODES ALONG WITH DETAILS OF SYSTEM OPERATION WITH THE OWNER'S PROJECT MANAGER AND OTHER OWNER PERSONNEL. INTENDED SYSTEM OPERATION SHALL BE APPROVED BY THE OWNER'S PROJECT MANAGER PRIOR TO SYSTEM SETUP AND PROGRAMMING. PROVIDE A MINIMUM OF 1 HOUR TRAINING TO STAFF ACROSS THE FIRST YEAR OF OPERATION, WITH TIMES AND DURATION SET BY THE OWNER'S PROJECT MANAGER. FOLLOWING OCCUPANCY OF THE SCHOOL THE ACSC SHALL CONTINUE TO FINE TUNE OPERATING MODES WITH THE INVOLVEMENT OF THE SCHOOL PRINCIPAL AND THE OWNER'S PROJECT MANAGER FOR THE FIRST YEAR OF OPERATION.

EMERGENCY NOTIFICATION NOTE

THE ACS CONTRACTOR SHALL PROVIDE ALL WORK REQUIRED TO TIE THE ACCESS CONTROL SYSTEM INSTALLED UNDER THIS PROJECT TO THE EXISTING CAMPUS INTRUSION ALARM SYSTEM TO IMMEDIATELY SEND EMERGENCY NOTIFICATION TO OWNER DESIGNATED RECEIVING STATIONS OF AN INTRUSION ALARM EVENT.

ALARM REPORTING

LOCKDOWN NOTES

TIE ALL SECURE DOORS INSTALLED UNDER THIS PROJECT TO THE EXISTING CAMPUS LOCKDOWN SYSTEM.

THE ACCESS CONTROL SYSTEM SHALL IMMEDIATELY ELECTRICALLY LOCK ALL SECURE DOORS UPON ACTIVATION OF THE LOCKDOWN SYSTEM BY SCHOOL PERSONNEL FROM A SINGLE POINT IN ADMIN. THE SCHOOL MAY HAVE MORE THAN ONE LOCKDOWN SWITCH IN ADMIN - IF SO THEY SHALL BE FULLY REDUNDANT AND SHALL OPERATE IN PARALLEL SUCH THAT EITHER SWITCH SHALL INITIATE A CAMPUS-WIDE LOCKDOWN. THE LOCKDOWN SHALL BE RELEASED AND SECURE DOORS PLACED IN NORMAL STATUS FOR THE CURRENT TIME ONLY WHEN THE LOCKDOWN SWITCH IS RETURNED TO NORMAL POSITION. ALL SECURE DOORS WITH ELECTRIC LOCKING DEVICES SHALL FAIL SECURE UPON LOSS OF POWER FOR ANY REASON. MECHANICAL FREE EGRESS SHALL ALWAYS BE AVAILABLE AT ALL SECURE DOORS.

THE ACCESS CONTROL SYSTEM SHALL ALSO IMMEDIATELY LOCK ALL SECURE DOORS UPON A FORCED ENTRY ALARM FROM THE INTRUSION ALARM SYSTEM, UNLESS OTHERWISE DIRECTED BY THE OWNER (ACCESS CONTROL SYSTEM CONTRACTOR REQUEST DIRECTION IN WRITING FROM OWNER'S PROJECT MANAGER). THE LOCKDOWN SHALL BE RELEASED AND SECURE DOORS PLACED IN NORMAL STATUS FOR THE CURRENT TIME ONLY WHEN THE LOCKDOWN SWITCH IS RETURNED TO NORMAL POSITION.

PROJECT NOTE (ALL SHEETS):

ALL MATERIALS AND EQUIPMENT INDICATED AND REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION SHALL BE NEW AND SHALL BE PROVIDED BY THE ACSC CONTRACTOR UNDER THIS PROJECT UNLESS SPECIFICALLY INDICATED TO BE EXISTING OR TO BE PROVIDED BY OTHERS.

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IBAY HAVEN CHARTER ACADEMY CLASSROOM ADDITION

LYNN HAVEN, FLORIDA

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