

ROSENWALD SCHOOL PHASE I - BUILDING #2 REMODELING

PANAMA CITY, FLORIDA

CONSTRUCTION DOCUMENTS MAY 01, 2026



BAY DISTRICT SCHOOLS SCHOOL BOARD MEMBERS

SUPERINTENDENT	*	MARK McQUEEN
DISTRICT 1	*	JERRY REGISTER
DISTRICT 2	*	ANN LEONARD
DISTRICT 3	*	CHRIS MOORE
DISTRICT 4	*	WINSTON CHESTER
DISTRICT 5	*	STEVE MOSS



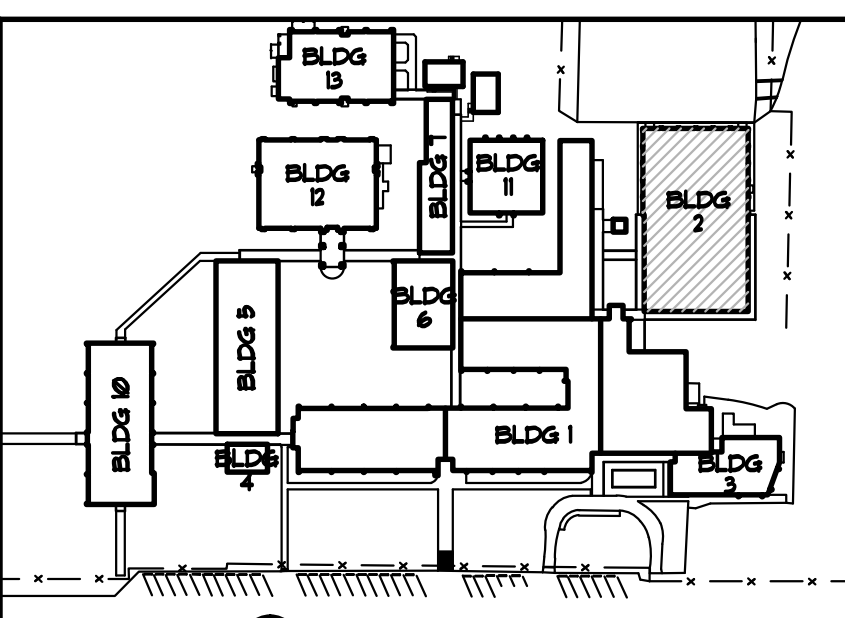
2211 NAVY BLVD., STE. 100
PANAMA CITY BEACH, FL 32408
PHONE: (850) 236-9832
Commission Number: 26876

MECHANICAL / PLUMBING / FIRE PROTECTION

WATFORD ENGINEERING, INC.
4471 CLINTON STREET
MARIANNA, FL 32446
PHONE: (850) 526-3447

ELECTRICAL

HUMBER GARICK CONSULTING ENGINEERS
142 EGLIN PARKWAY SE
FORT WALTON BEACH, FL 32548
PHONE: (850) 243-6723



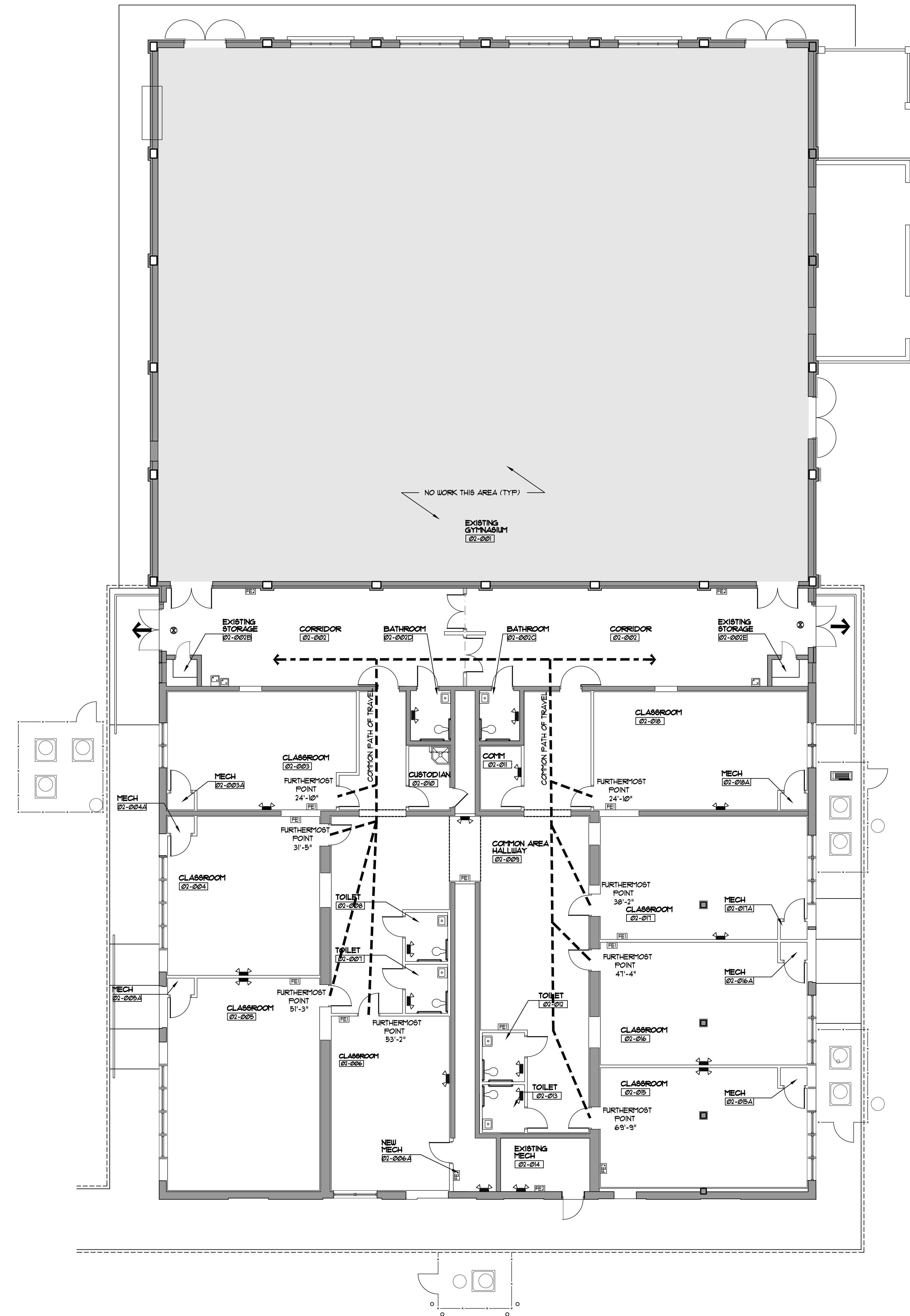
KEYPLAN
SCALE: 1/8" = 1'-0"

SYMBOL LEGEND

- 2x4' EMERGENCY FLOURECENT FIXTURE
- 1x4' EMERGENCY FLOURECENT FIXTURE
- EXIT LIGHT FIXTURE
- SMOKE DETECTOR
- HEAT DETECTOR
- MANUAL PULL STATION
- FIRE ALARM SPEAKER/STROBE
- FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUNCIATOR PANEL
- FIRE ALARM VOICE EVACUATION PANEL
- GYM SPACE NAME
SPACE NUMBER
SQ. FT. SQUARE FOOTAGE
- O. L. #29 OCCUPANCY LOAD PER TABLE 1004.1.1
(1) OCCUPANT PER 50 SQ. GSF
- SEMI-RECESSED FIRE EXTINGUISHER
- BRACKET MOUNTED FIRE EXTINGUISHER
- PRIMARY EGRESS
- SECONDARY EGRESS
- PATH OF TRAVEL

NOTES

1. THIS LIFE SAFETY PLAN IS PROVIDED FOR REVIEW ONLY. SEE PLANS & SPECIFICATIONS FOR COMPLETE SCOPE AND REQUIREMENTS OF SYSTEMS AND CONSTRUCTION.
2. NOT ALL LEGEND SYMBOLS MAY BE USED. SEE PLAN.
3. SEE MEP & EP DOCUMENTS FOR ADDITIONAL INFORMATION ON SYSTEMS REQUIREMENTS AND SCOPE.
4. SEE INDEX SHEET FOR ALL CODE REQUIREMENTS.



LIFE SAFETY FLOOR PLAN
SCALE: 1/8" = 1'-0"
NORTH

REVISIONS:			
NO.	DESCRIPTION	DRAWN	CHECKED DATE

PHASE:			
SCHEMATIC DESIGN	DRAWN	CHECKED	DATE
BID DOCUMENTS	MAY	DV	04/09/16
CONSTRUCTION DOCUMENTS	MAY	SB	04/15/16

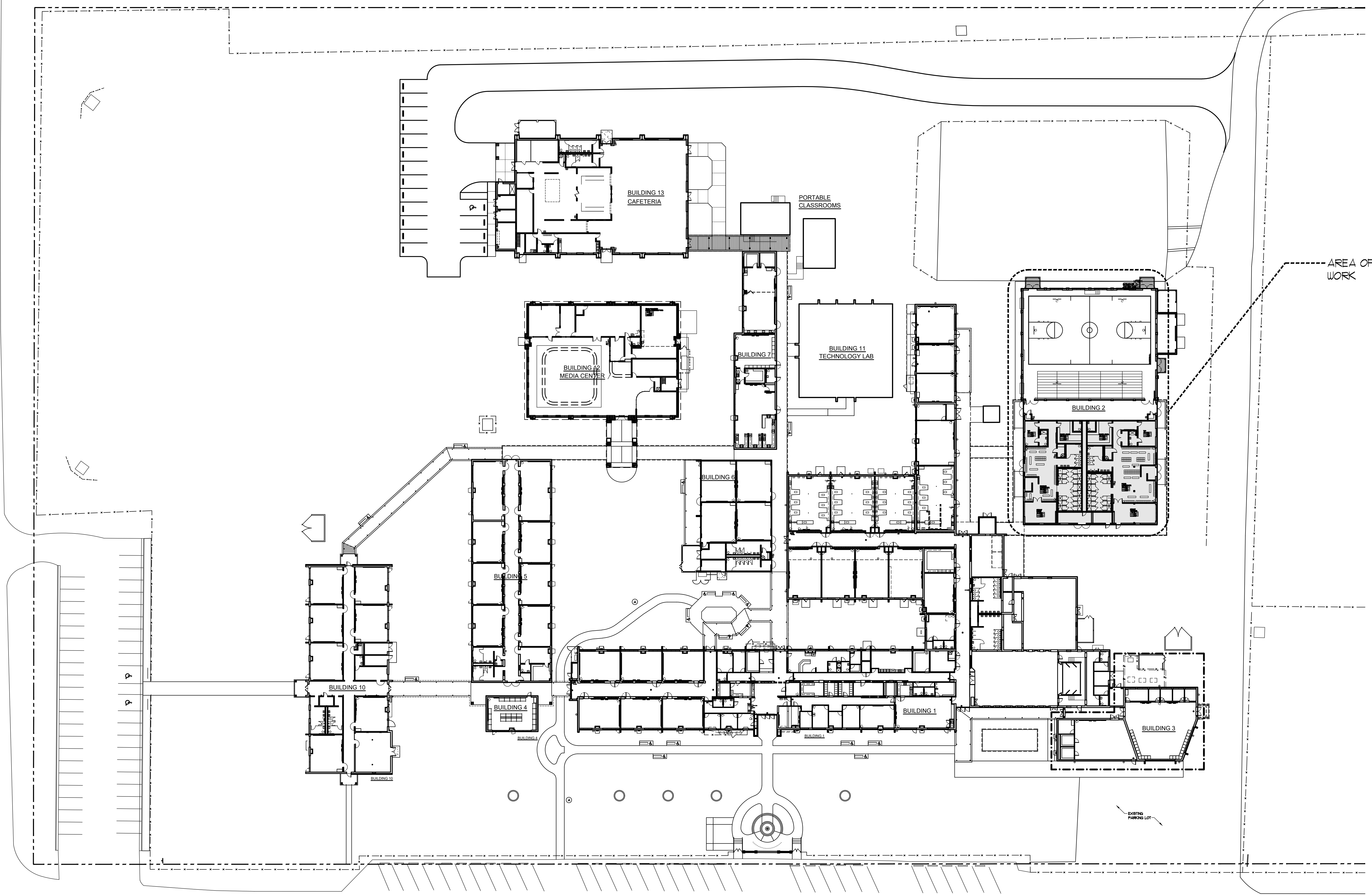
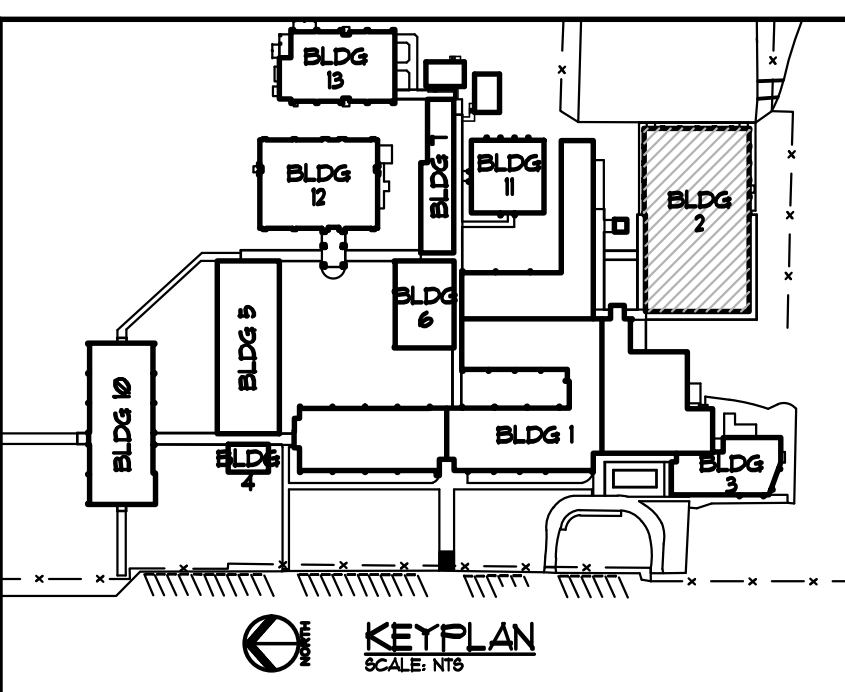
JRA ARCHITECTS 2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 26876

CONSULTANTS:

PROJECT:
**ROSENWALD SCHOOL PHASE I
BUILDING #2 REMODELING**

PANAMA CITY
SHEET TITLE:
**LIFE SAFETY
FLOOR PLAN**

SHEET NUMBER:
LS1.1



REVISIONS:

NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN	MAY	DV	04/09/06
BID DOCUMENTS	MAY	SB	04/15/06
CONSTRUCTION DOCUMENTS	MAY	SB	05/01/06

JRA ARCHITECTS 2211 NAVY BLVD., STE 100
 PANAMA CITY BEACH, FL
 PHONE: (850) 236-9832
 Commission Number: 26876

CONSULTANTS:
 PROJECT:

**ROSENWALD SCHOOL PHASE I
 BUILDING #2 REMODELING**

PANAMA CITY
 SHEET TITLE:

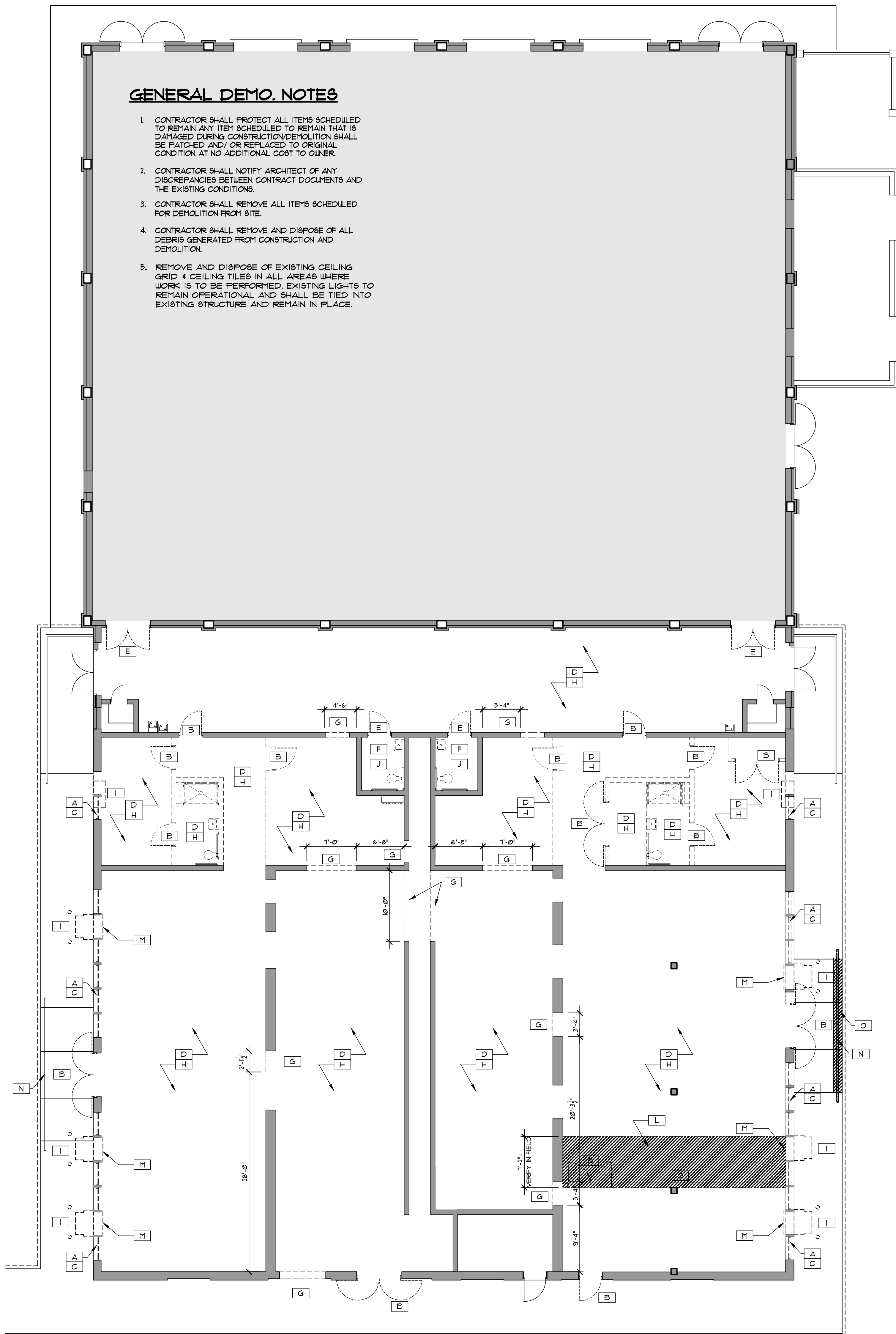
**EXISTING
 CAMPUS PLAN**

SHEET NUMBER:

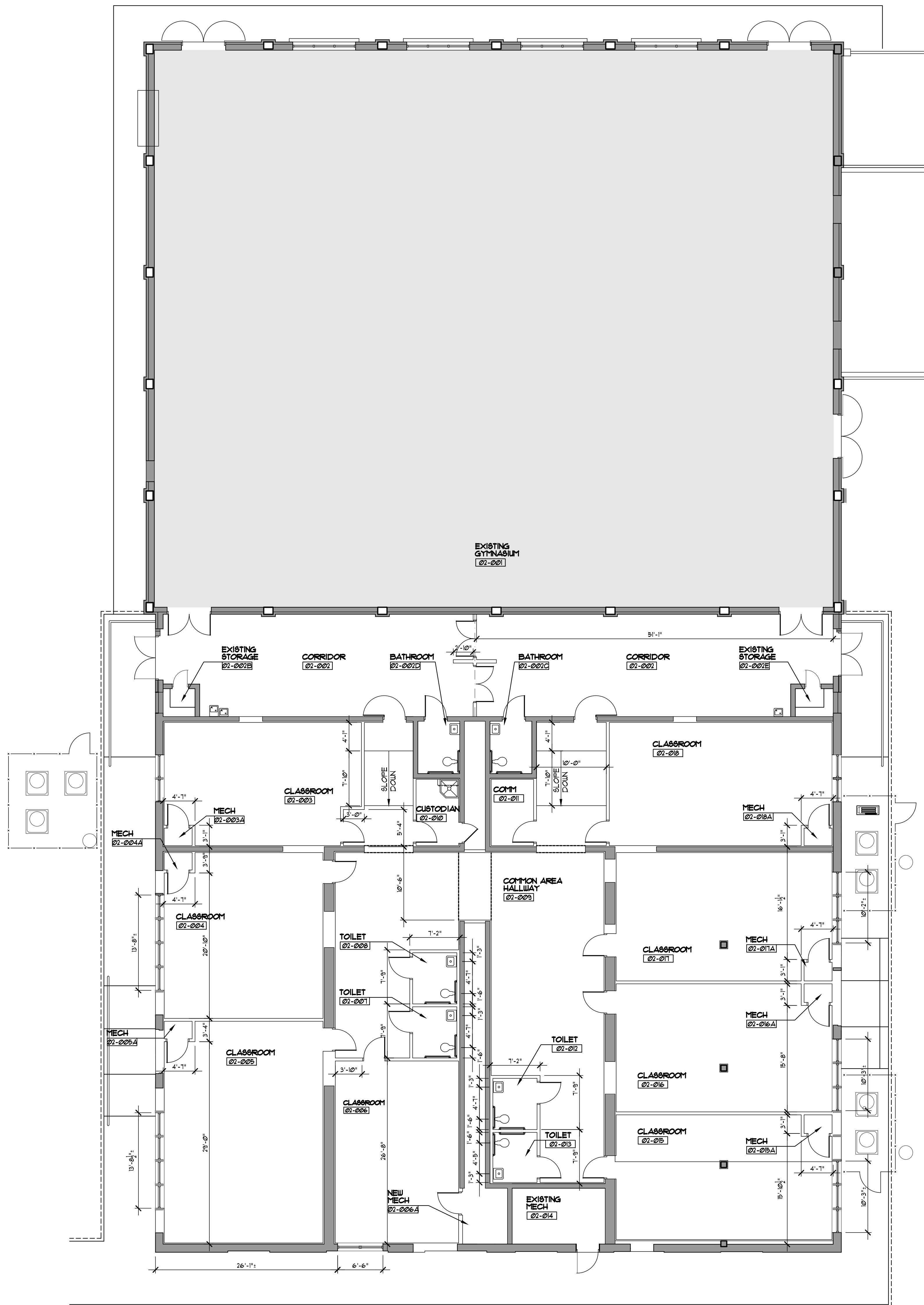
EXISTING CAMPUS PLAN
 SCALE: 1" = 30'-0"
 NORTH

GENERAL DEMO. NOTES

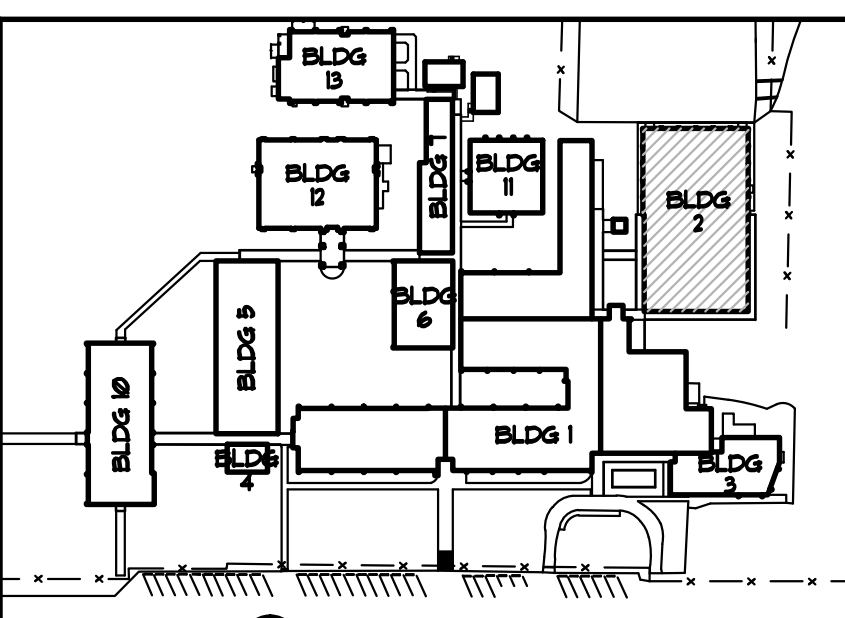
1. CONTRACTOR SHALL PROTECT ALL ITEMS SCHEDULED TO REMAIN ANY ITEM SCHEDULED TO REMAIN THAT IS DAMAGED DURING CONSTRUCTION/DEMOLITION SHALL BE PATCHED AND/OR REPLACED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO OWNER.
2. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND THE EXISTING CONDITIONS.
3. CONTRACTOR SHALL REMOVE ALL ITEMS SCHEDULED FOR DEMOLITION FROM SITE.
4. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS GENERATED FROM CONSTRUCTION AND DEMOLITION.
5. REMOVE AND DISPOSE OF EXISTING CEILING GRID & CEILING TILES IN ALL AREAS WHERE WORK IS TO BE PERFORMED. EXISTING LIGHTS TO REMAIN OPERATIONAL AND SHALL BE TIED INTO EXISTING STRUCTURE AND REMAIN IN PLACE.



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



DIMENSIONED FLOOR PLAN
SCALE: 1/8" = 1'-0"



DEMOLITION KEY NOTES

- A REMOVE AND DISPOSE OF EXISTING ALUMINUM WINDOW SYSTEM AND ALL ASSOCIATED MATERIALS.
- B REMOVE AND DISPOSE OF EXISTING DOOR(S) (INCLUDING FRAME) AND ALL ASSOCIATED MATERIALS.
- C REMOVE AND DISPOSE OF PORTION OF EXISTING EXTERIOR WALL(S) AND ALL ASSOCIATED MATERIALS, INCLUDING ALUMINUM WINDOWS AND DOORS TO FINISH FLOOR ELEVATION AS REQUIRED FOR NEW CONSTRUCTION.
- D REMOVE AND DISPOSE OF EXISTING VCT FLOORING AND BASE AND PREPARE SURFACE TO RECEIVE NEW FLOOR FINISH.
- E REMOVE AND DISPOSE OF EXISTING DOOR SLAB & HARDWARE.
- F REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED MATERIALS (INCLUDING MIRRORS, TOILET PAPER AND PAPER TOWEL DISPENSERS. SEE PLUMBING DRAWINGS FOR PIPING AND UTILITY DEMOLITION AND NEW PLUMBING WORK REQUIRED.
- G REMOVE AND DISPOSE OF MASONRY WALLS AND ALL ASSOCIATED MATERIALS AS REQUIRED FOR NEW CONSTRUCTION. PREPARE ADJACENT SURFACES FOR NEW INFILL WHERE APPLICABLE.
- H REMOVE AND DISPOSE OF EXISTING CEILING SYSTEM AND ALL ASSOCIATED MATERIALS. COORDINATE WITH MECHANICAL AND ELECTRICAL.
- I REMOVE AND DISPOSE OF EXISTING WALL MTD AC UNIT AND ALL ASSOCIATED MATERIALS, INCLUDING BOLLARDS AND PREPARE ADJACENT SURFACES FOR NEW INFILL.
- J REMOVE AND RELOCATE EXISTING ADA HANDRAILS AND ASSOCIATED COMPONENTS TO STORAGE ON SCHOOL PROPERTY, FOR FUTURE USE.
- K REMOVE AND DISPOSE OF EXISTING GYP BD AND FURRING AS REQUIRED FOR NEW CONSTRUCTION.
- L SAUCUT AND REMOVE EXISTING QUARRY TILE AND MUD BED AS REQUIRED FOR NEW CONSTRUCTION AND FLOORING INFILL TO MINIMIZE SLOPE WITHIN SINGLE CLASSROOM.
- M REMOVE AND DISPOSE OF EXISTING HVAC GRILLE AND ASSOCIATED DUCTWORK.
- N REMOVE AND DISPOSE OF EXISTING HANDRAIL.
- O GRIND EDGE OF EXISTING CONCRETE RAMP AS REQUIRED TO PROVIDE A TRANSITION TO THE ADJACENT SIDEWALK SURFACE THAT ELIMINATES THE TRIP HAZARD.

REVISIONS:

NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:

	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN	MAY	DV	04/09/16
BID DOCUMENTS	MAY	SB	04/15/16
CONSTRUCTION DOCUMENTS	MAY	SB	05/01/16

JRA ARCHITECTS 2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-5832
Commission Number: 26876

CONSULTANTS:

PROJECT:
**ROSENWALD SCHOOL PHASE I
BUILDING #2 REMODELING**

PANAMA CITY
SHEET TITLE:
**DEMOLITION AND DIMENSIONED
FLOOR PLANS**

SHEET NUMBER:
A11

CONSTRUCTION KEY NOTES

- 3 5/8" GALVANIZED METAL STUDS (GMS) @ EA. SIDE IN-FILL AT 16" O.C. WITH 5/8" GUB EA. SIDE OF WALL. (SEE DETAIL 8/A16)
- METAL STUDS (GMS) IN-FILL @ 16" O.C. W/ 5/8" GUB EA. SIDE OF WALL. (SEE DETAIL 9/A16)
- FUR BULKHEAD W/ 3/4" HAT CHANNEL @ 16" O.C. W/ 5/8" GUB FINISH (SEE DETAIL 7/A16)
- FUR EXISTING WALL WITH 3 5/8" GMS AT 16" O.C. POSITION FURRING STUDS TO ALLOW GUB TO PASS BY EXISTING COLUMN.
- NO WORK THIS AREA - EXCEPT SPRINKLER HEAD INSTALLATION.
- INFILL OPENING IN CMU WHERE AC RETURN WAS W/ MTL STUDS ALIGNED W/ MTL FURRING @ INTERIOR / FINISHED W/ 5/8" GUB 4 FINISH EXTERIOR W/ HIGH IMPACT EPIS AND INSULATE W/ OPEN CELL SPRAY FOAM INSULATION (R-15)
- INFILL EXISTING WALL AS REQUIRED WHERE EXISTING DOOR AND FRAME HAVE BEEN REMOVED.
- INFILL EXISTING WALL AS REQUIRED WHERE EXISTING WINDOW HAS BEEN REMOVED.
- INSTALL RELOCATED BOLLARD IN THIS LOCATION.

CONSTRUCTION GENERAL NOTES

- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
- PROVIDE ADDITIVE ALTERNATE PRICING TO SCRAPER / SAND, PRIME AND PAINT EXISTING WALKWAY COVERS, SUPPORTS, CEILING AND ALL ASSOCIATED MATERIALS.
- CONTRACTOR TO INCLUDE IN PRICE ENSURING PROPER FUNCTIONALITY OF EXISTING BUS CANOPY AND DRAINAGE SYSTEM INCLUDING CLEANING.
- PROVIDE ALTERNATE PRICING FOR EPOXY FLOOR COVERING AND VINYL TILE FLOOR COVERING IN THE CORRIDORS OF THE RENOVATED CLASSROOMS AREA OF THE BUILDING.
- REMOVE EXISTING WINDOW SCREENS AND RETURN TO BCS MAINTENANCE DEPARTMENT.
- CONTRACTOR TO ENSURE FLAT, SMOOTH LEVEL SURFACE THROUGHOUT BUILDING TO ALLOW FOR NEW FLOORING INSTALLATION.
- INSTALL FIRE RATED CEILING ASSEMBLY MEETING UL DESIGN NO. P964 ON THE UNDERSIDE OF ALL WOOD FRAMING ASSEMBLY SHALL CONSIST OF 5/8" FIRE RATED GYP. BD. INSTALLED OVER FURRING CHANNELS SPACED 12" MAX. O.C. SEE UL DESIGN FOR ALL MATERIAL AND INSTALLATION REQUIREMENTS.

REFLECTED CEILING NOTES

- NOTES:**
- NOT ALL ITEMS MAY BE REQUIRED - SEE PLANS
 - SEE MECHANICAL PLUMBING ELECTRICAL AND FIRE PROTECTION SHEETS FOR ADDITIONAL CEILING FIXTURES AND SYSTEMS INFORMATION.
 - COORDINATE WITH ARCHITECT/ENGINEER WHERE FIXTURE OR DEVICE LOCATION SHOWN IN THIS PLAN IS IN CONFLICT WITH LOCATION SHOWN ON M. E. P. 4 FP PLANS.
 - PRIOR TO ROUGH-IN, COORDINATE WITH ARCHITECT/ENGINEER WHERE FIXTURE OR DEVICE LOCATION IS IN CONFLICT WITH ARCHITECTURAL FEATURES ETC.

FINISH SCHEDULE

CEILING

- SUSPENDED ACOUSTIC CEILING TILE SYSTEM (ACT)
- PAINTED GUB (EGGSHELL FINISH)
- EPOXY PAINTED GUB
- NOT USED
- EPOXY PAINTED + REPAIRED EXISTING GUB
- NOT USED

FLOORS

- LVT
- CARPET
- NOT USED
- SEALED CONCRETE
- RESINOUS FLOORING SYSTEM (RLF-1)

BASE

- VINYL
- NOT USED
- NOT USED
- NOT USED
- INTEGRAL BASE

KEY:

SPACE NAME	SPACE NO.	CLG	CLG HT	FLR	BASE	WALL	REMARKS

WALLS

- PAINTED GUB (EGGSHELL FINISH)
- EPOXY PAINTED GUB
- EPOXY PAINTED CMU
- NOT USED
- PAINTED HIGH IMPACT GUB (EGGSHELL FINISH)

SYMBOL LEGEND

	2'x4' LED FIXTURE
	2'x2' LED FIXTURE
	6'x4' LED SUSPENDED FIXTURE
	RECESSED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	WALL MOUNTED LED FIXTURE
	WALL MOUNTED EMERGENCY LIGHT
	CEILING MOUNTED EMERGENCY LIGHT FIXTURE
	EXIT LIGHT FIXTURE
	SUPPLY AIR DUCT (SIZE VARIES)
	TRANSFER GRILL
	EXHAUST AIR DUCT (SIZE VARIES)
	SUSPENDED 2'x2' ACOUSTIC CEILING TILE SYSTEM
	SUSPENDED GYPSUM BOARD CEILING, BULKHEADS & SOFFITS. (SEE FIN. SCHEDULE PLANS 4 SPECS FOR GUB TYPE AND OTHER REQUIREMENTS.)
	EXPOSED STRUCTURE
	REPAIR PATCH & FINISH EXISTING

REVISIONS:

NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:

SCHEMATIC DESIGN	DRAWN	CHECKED	DATE
BID DOCUMENTS	MAY	SB	04/15/16
CONSTRUCTION DOCUMENTS	MAY	SB	05/01/16

JRA ARCHITECTS 2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 26876

CONSULTANTS:

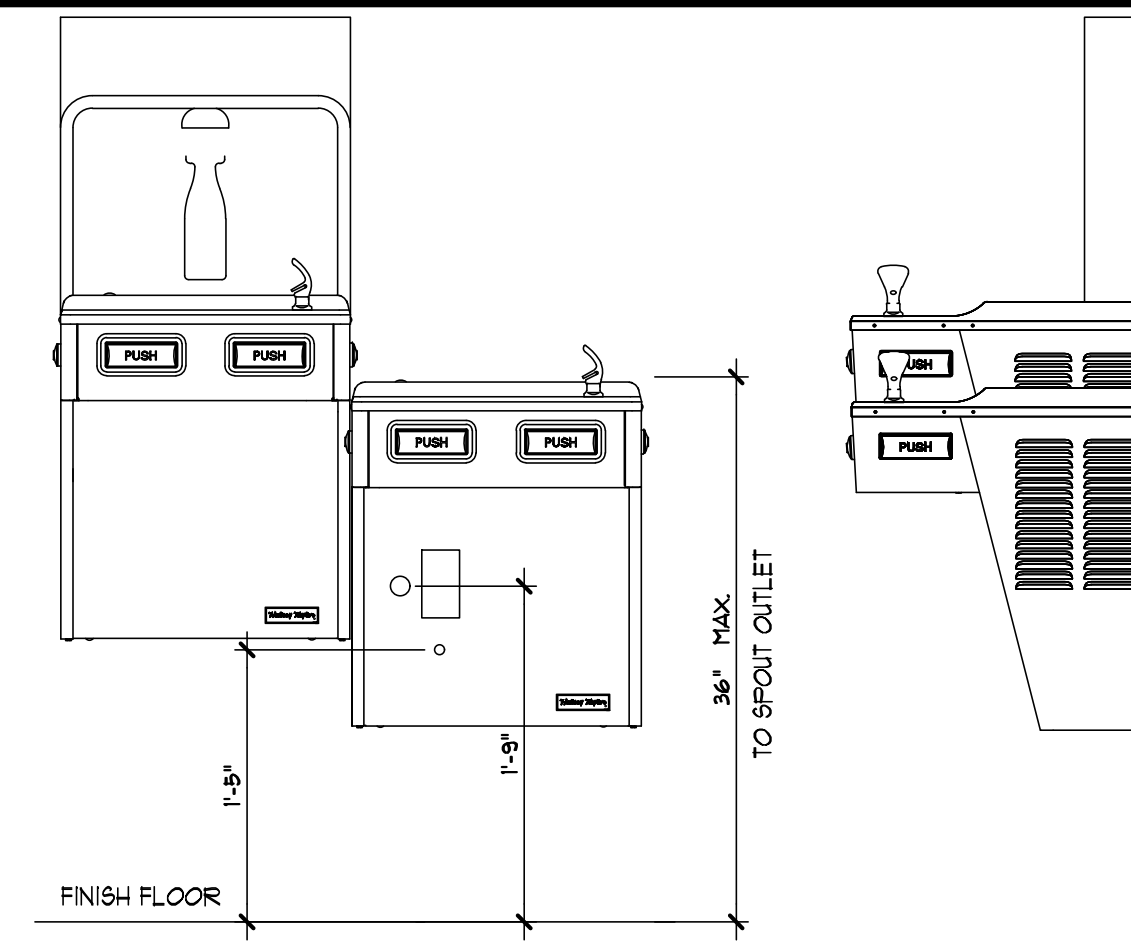
PROJECT:

ROSENWALD SCHOOL PHASE I BUILDING #2 REMODELING

PANAMA CITY
SHEET TITLE:
ARCHITECTURAL AND REFLECTED CEILING FLOOR PLANS
SHEET NUMBER:

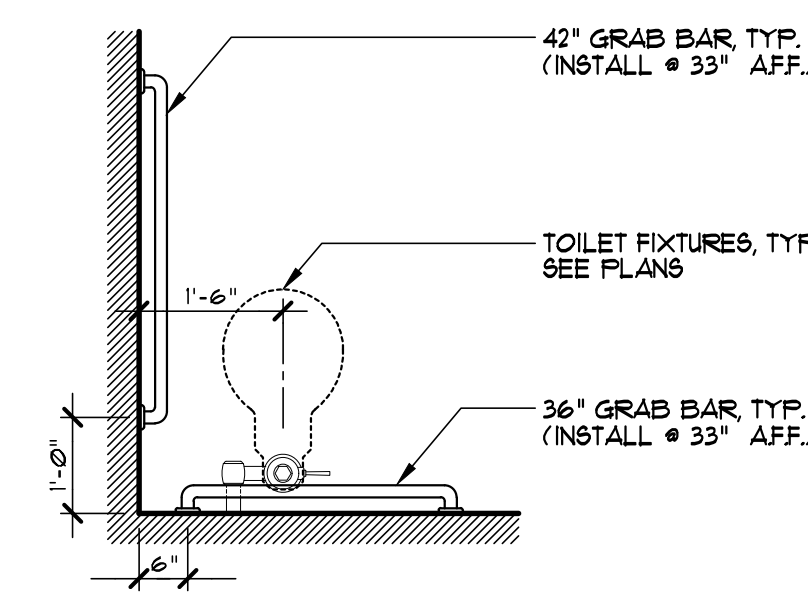
TOILET ACCESSORY SCHEDULE			
MARK	ITEM DESCRIPTION	MOUNTING HEIGHTS (ABOVE FIN FLOOR)	MOUNTING HEIGHTS HC TOILET
1	SURFACE MTD. TOILET TISSUE DISPENSER OWNER PROVIDED - CONTRACTOR INSTALLED	24" TO CENTER	24" TO CENTER
2	NOT USED	-	-
3	ELECTRIC HAND DRYER	-	-
4	SURFACE MTD. SANITARY NAPKIN RECEPTACLE	30" TOP OF UNIT	30" TOP OF UNIT
5	SURFACE MTD. SOAP DISPENSER OWNER PROVIDED - CONTRACTOR INSTALLED	40" BTM. OF UNIT	40" BTM. OF UNIT
6	FIXED MIRROR 16" W x 36" H	48" BTM. OF UNIT	40" BTM. OF UNIT
7	3'-6" HC GRAB BAR	-	33" AFF. (TOP)
8	3'-0" HC GRAB BAR	-	33" AFF. (TOP)
9			

ALL ACCESSORIES SHALL BE PROVIDED AND INSTALLED IN COMPLIANCE WITH THE CURRENT EDITION OF THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION

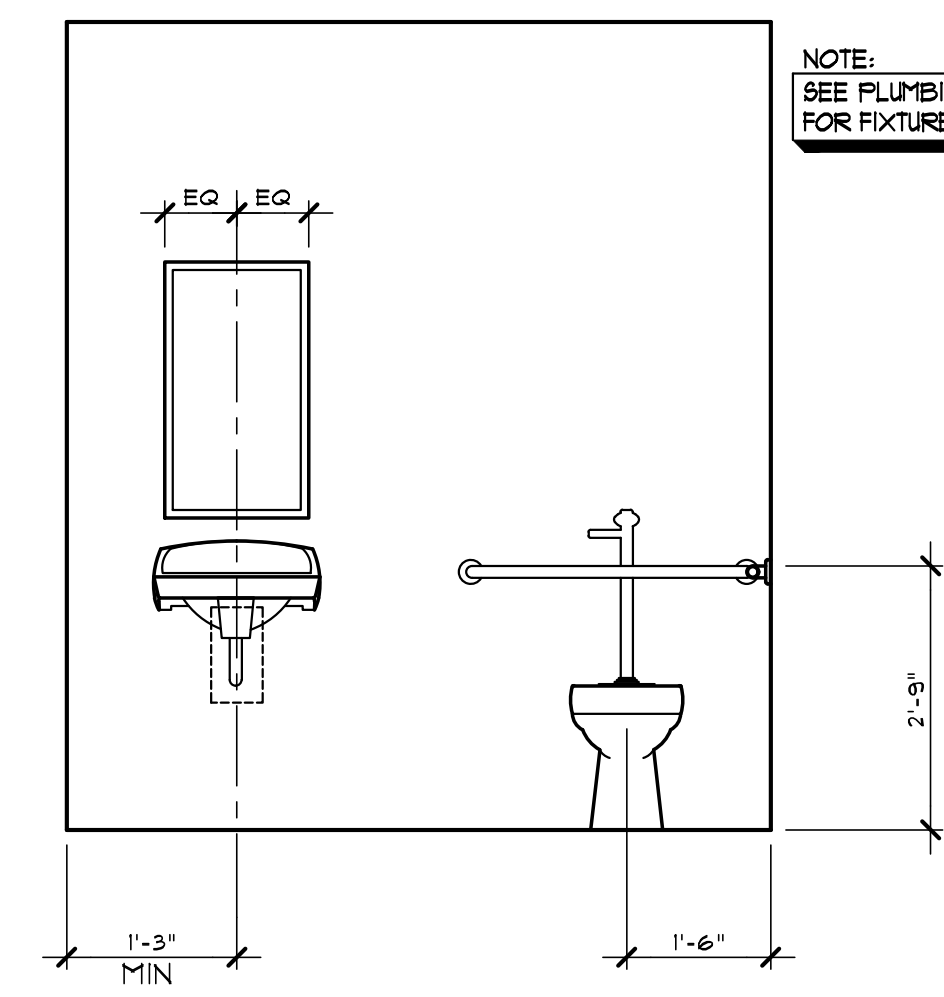


NOTE:
CONTRACTOR TO VERIFY PLUMBING
& ELECTRICAL CONNECTION
LOCATIONS PRIOR TO INSTALLATION

6 DRINKING FOUNTAIN DETAIL
SCALE: 1" = 1'-0"

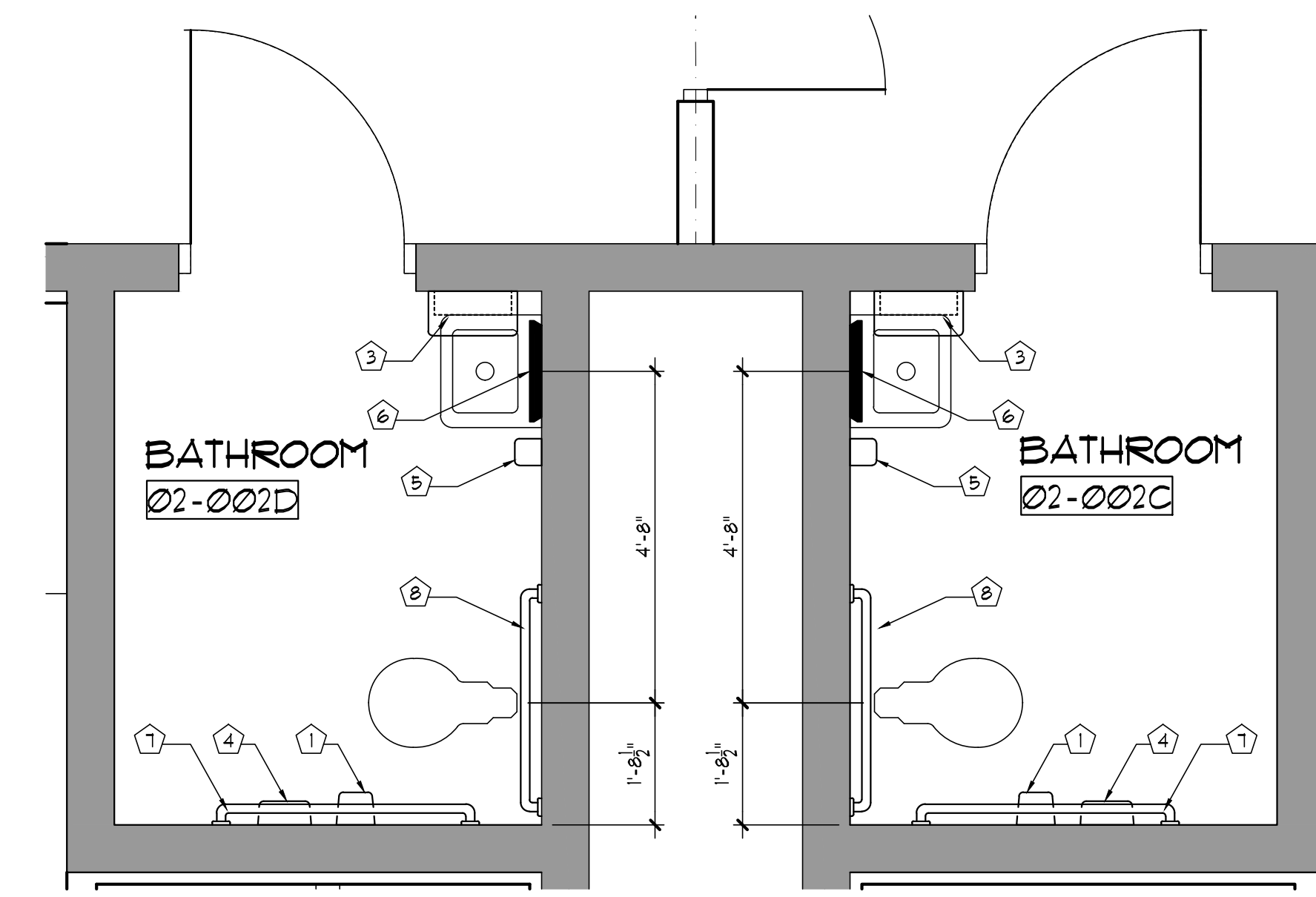


5 TYP. GRAB BAR LAYOUT
SCALE: 1/2" = 1'-0"

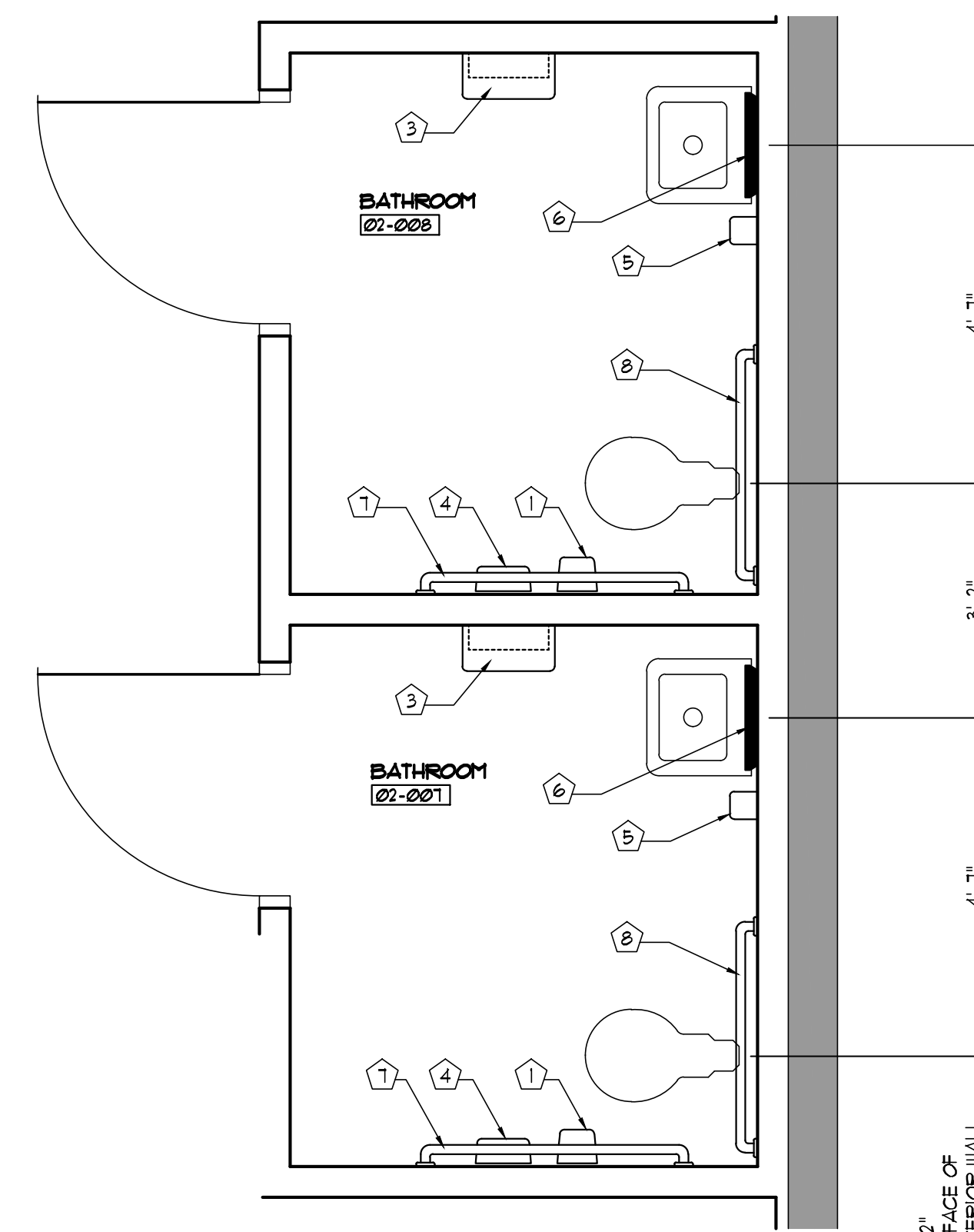


NOTE:
SEE PLUMBING
FOR FIXTURE HEIGHTS

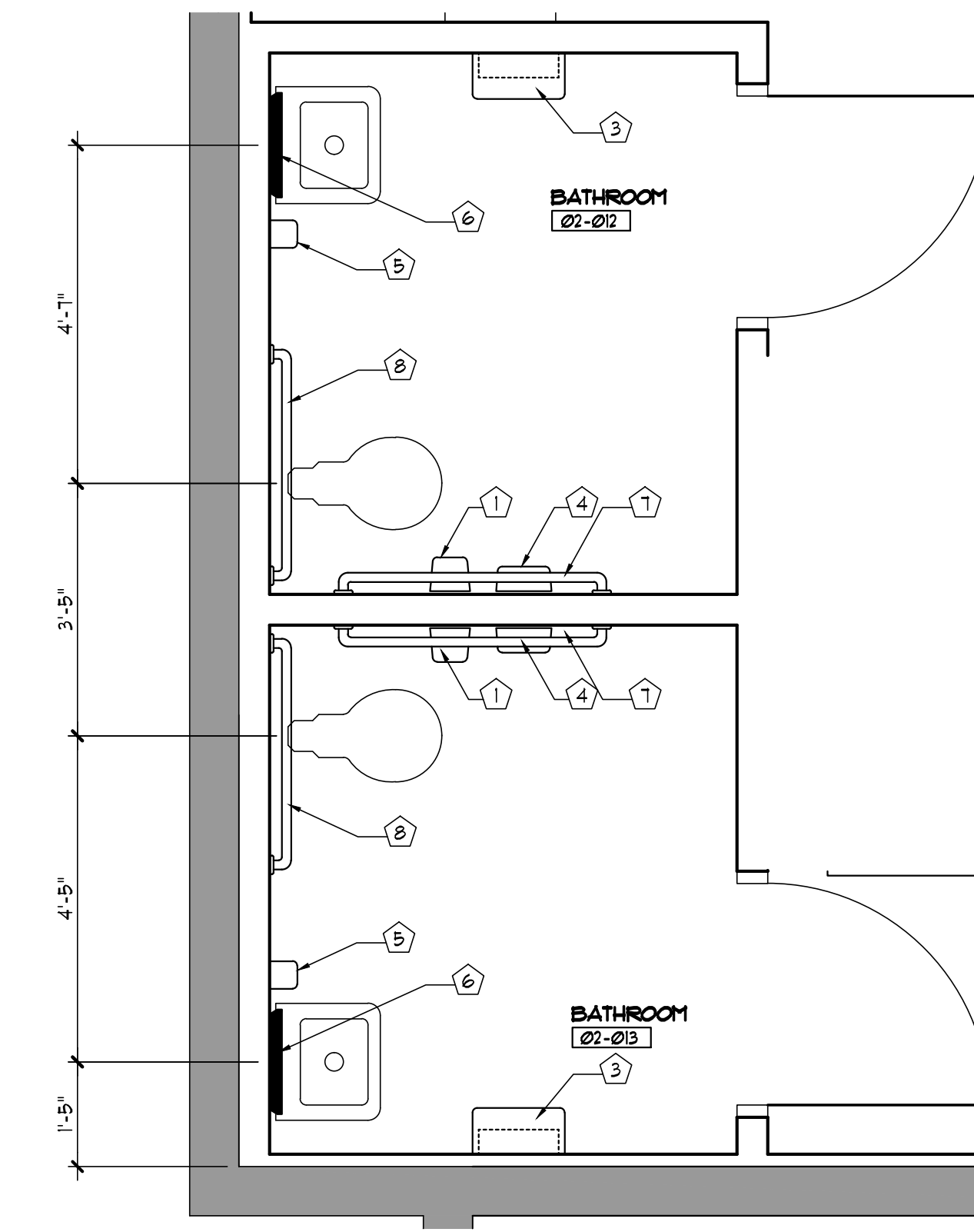
4 TYPICAL TLT ELEVATION
SCALE: 1/2" = 1'-0"



3 ENLARGED TOILET PLANS
SCALE: 1/2" = 1'-0"



2 ENLARGED TOILET PLANS
SCALE: 1/2" = 1'-0"



1 ENLARGED TOILET PLANS
SCALE: 1/2" = 1'-0"

REVISIONS:				
NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:			
	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN	MAY	DV	04/09/06
BID DOCUMENTS	MAY	SB	04/15/06
CONSTRUCTION DOCUMENTS	MAY	SB	05/01/06

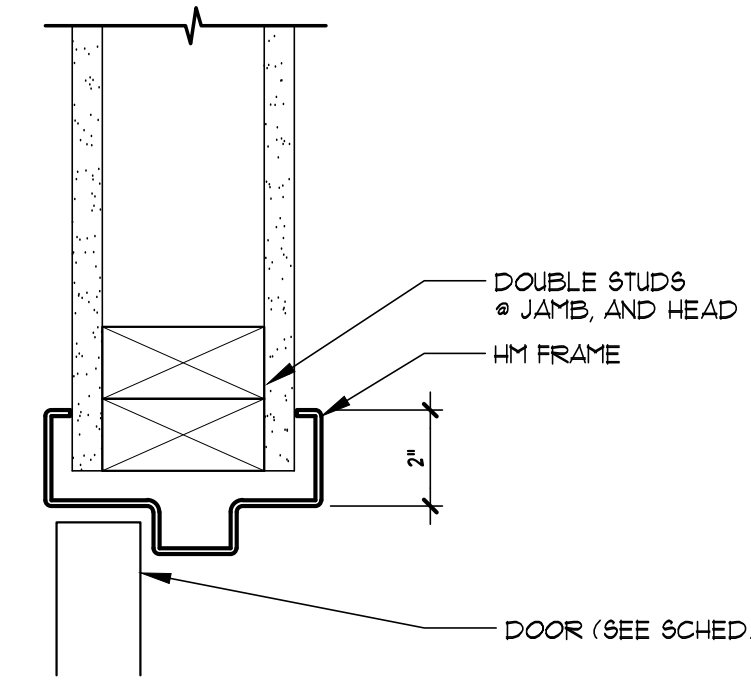
JRA ARCHITECTS 2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 26876

PROJECT:
**ROSENWALD SCHOOL PHASE I
BUILDING #2 REMODELING**

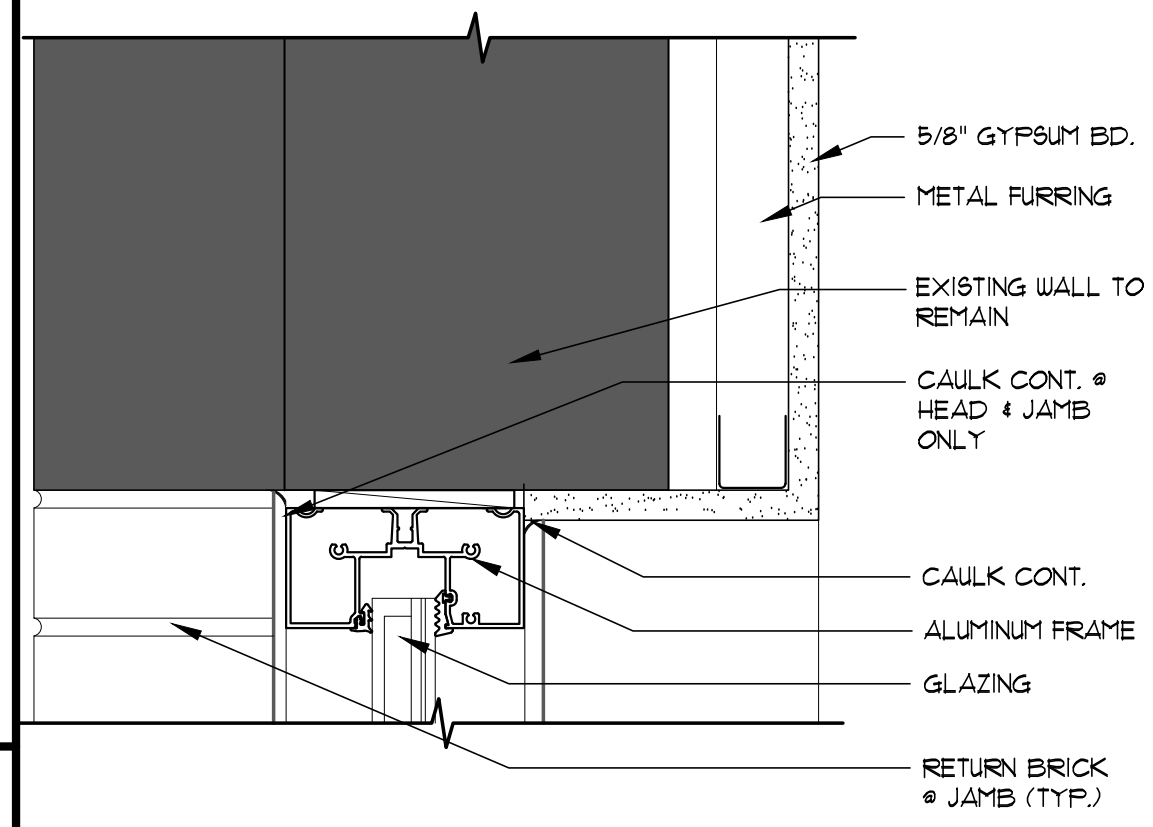
PANAMA CITY
SHEET TITLE:
**ENLARGED TOILET PLANS
SCHEDULES AND DETAILS**

SHEET NUMBER:
A1.4

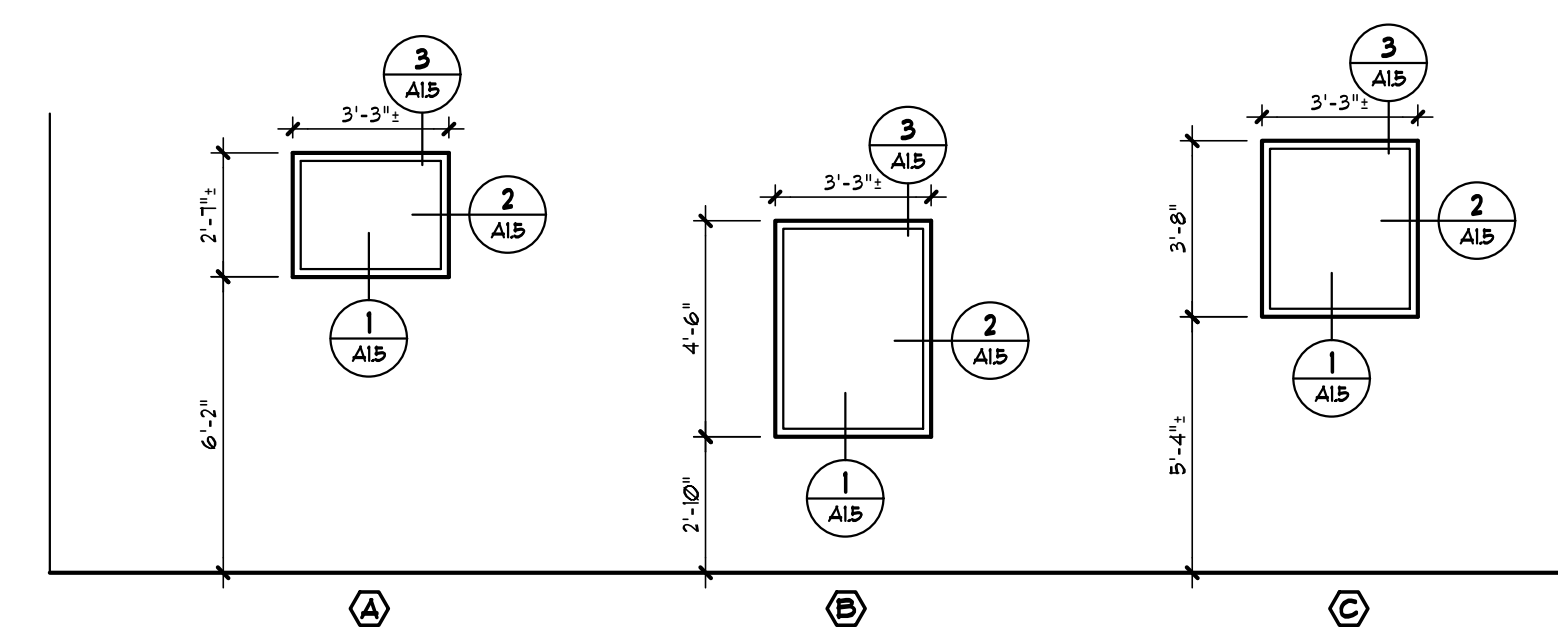
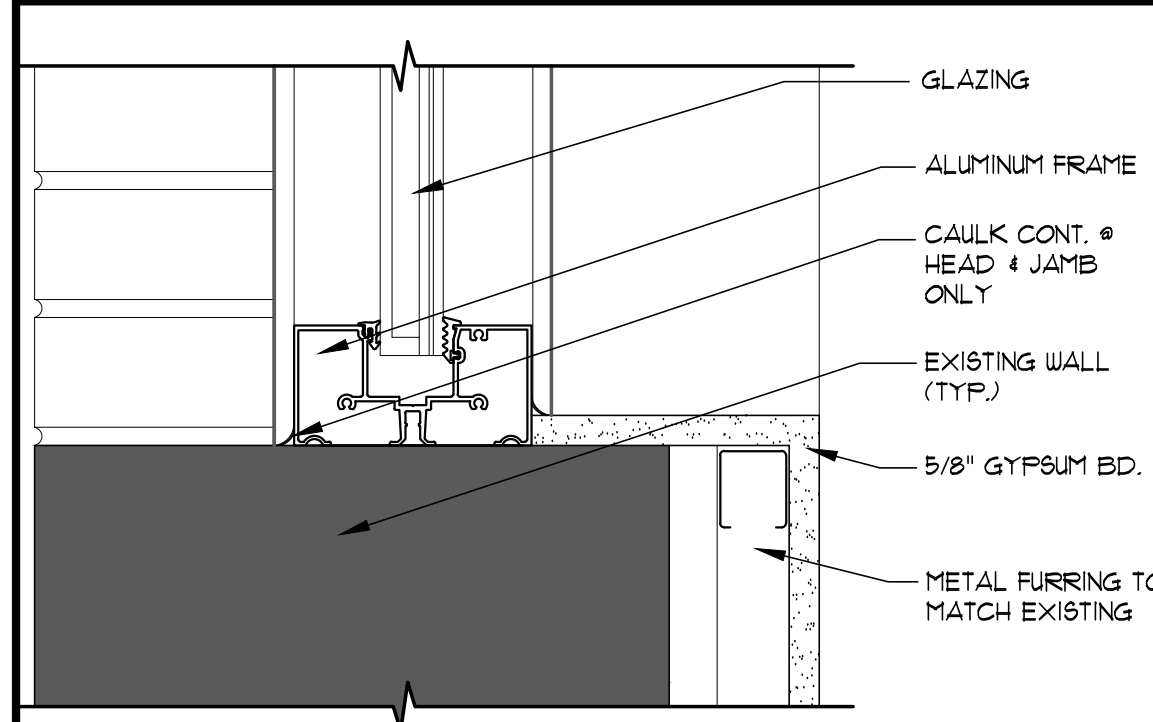
Door Schedule-Building 2														
DNUMBER	DTYPE	DWIDTH	DHEIGHT	DTHICK	DLABEL	DMATL	DFTYPE	DFMATL	DHDW	DGLTYPE	DHEAD	DJAMB	DSEILL	DREMARKS
2-002C	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-002D	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-002E	NG	FR3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-002F	NG	FR3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-002G	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-002H	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-003	NG	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-003A	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-004	NG	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-004A	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-005	NG	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-005A	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-006	NG	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-006A	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-007	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-008	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-008	NG	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-009A	NG	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-010	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-010A	F	2-8	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-011	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-012	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-013	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-015	NG	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-015A	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-016	NG	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-016A	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-017	NG	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-017A	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-018	NG	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1
2-018A	F	3-0	7-0	1-3/4	--	SCUD	1	HM	-	-	2/A92	2/A92	-	1



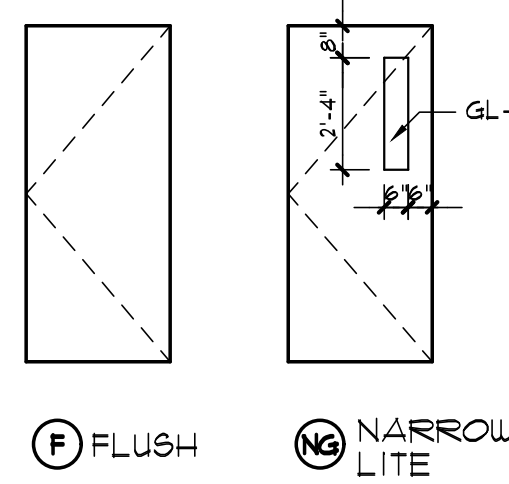
4 HEAD, JAMB & SILL DETAIL
SCALE: 3" = 1'-0"



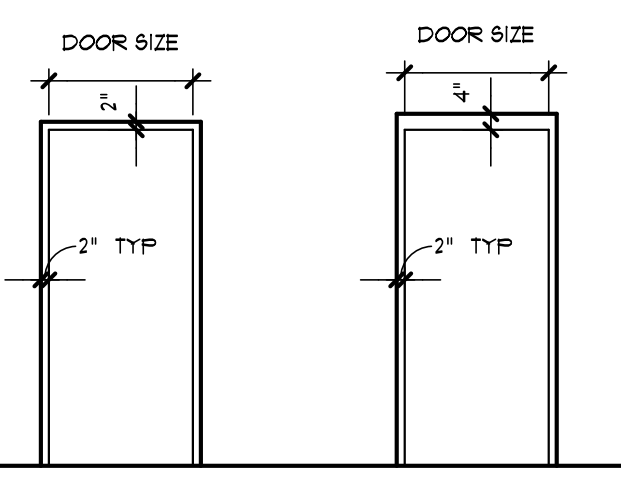
3 HEAD DETAIL
SCALE: 3" = 1'-0"



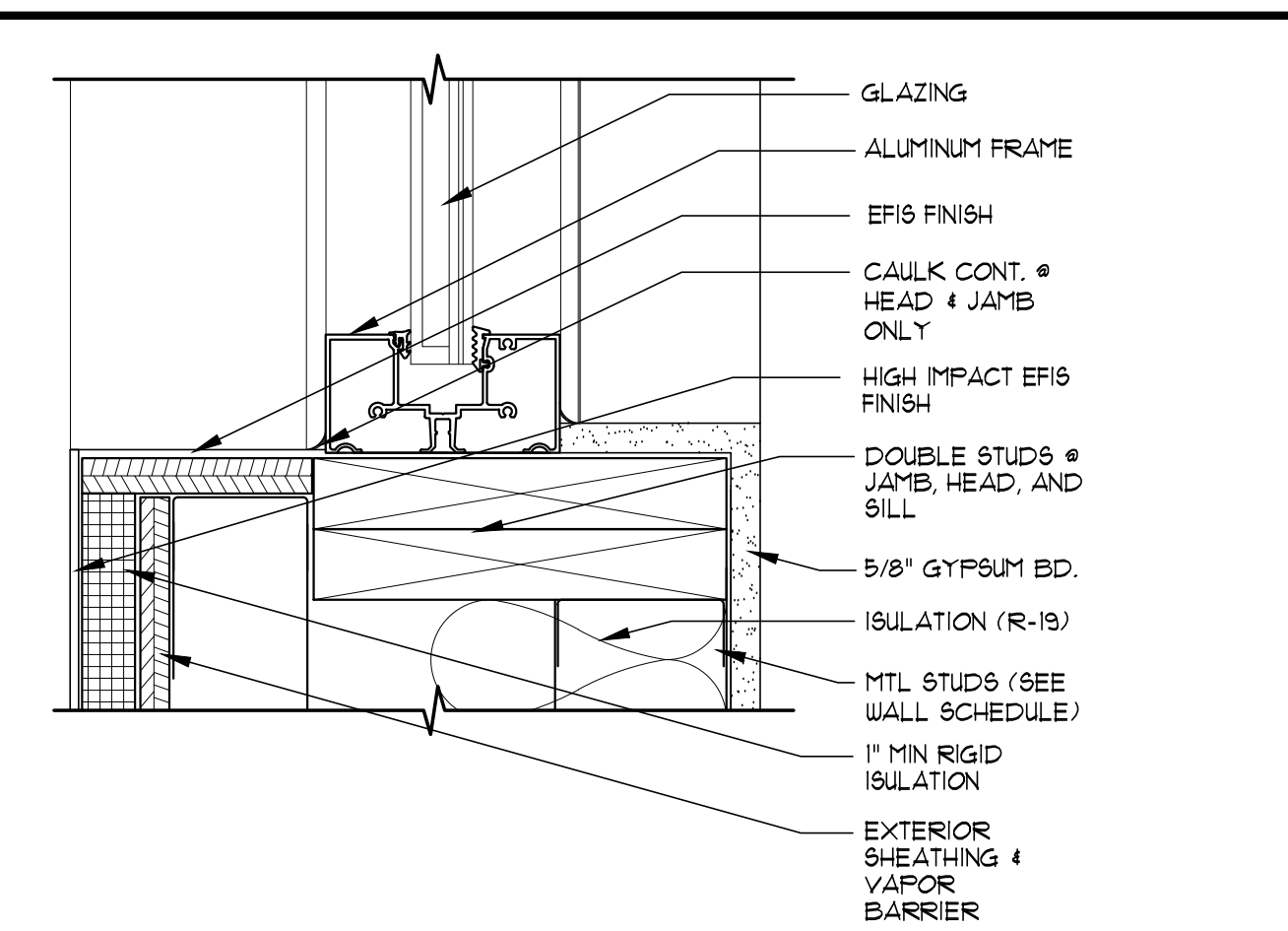
WINDOW TYPES
SCALE: NTS



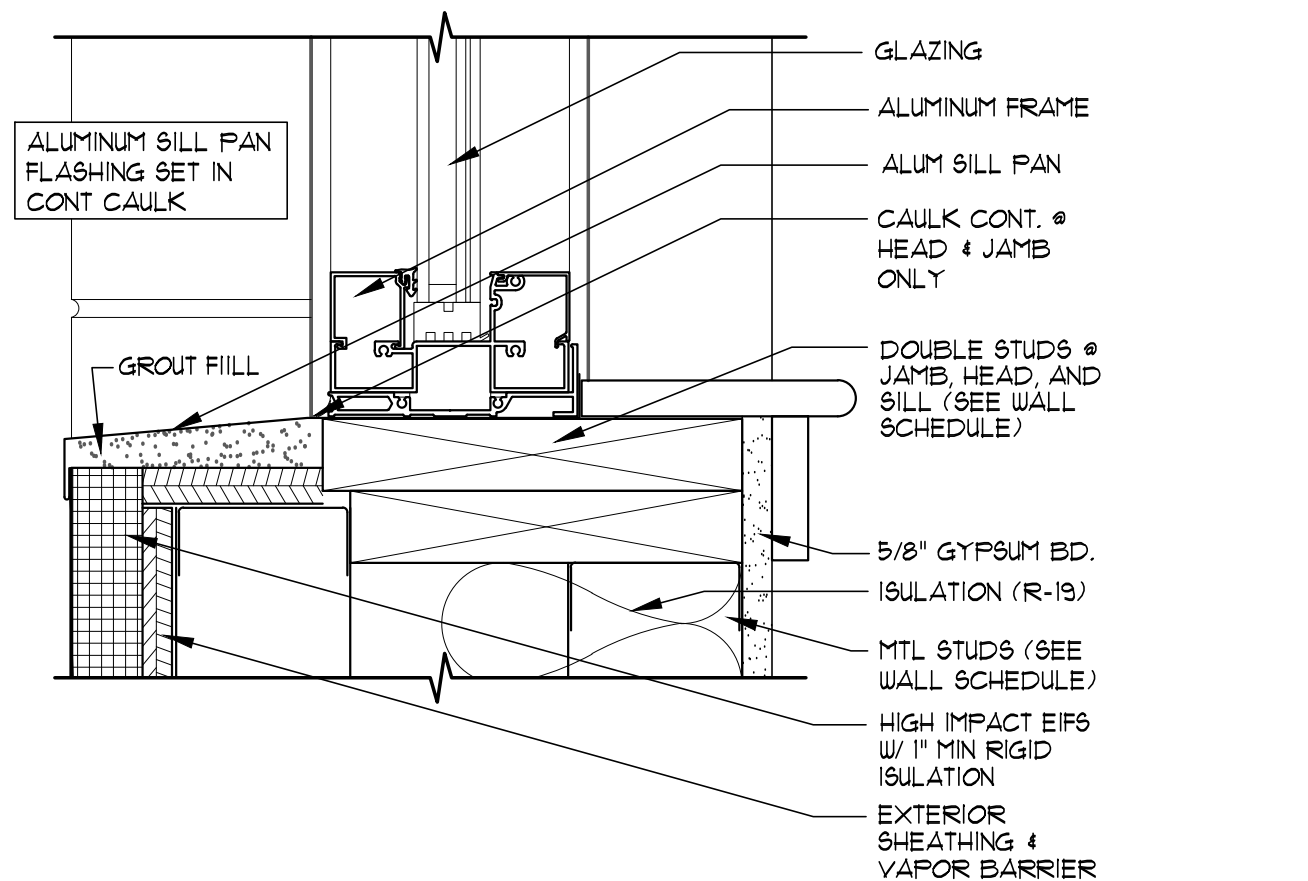
DOOR TYPES
SCALE: NTS



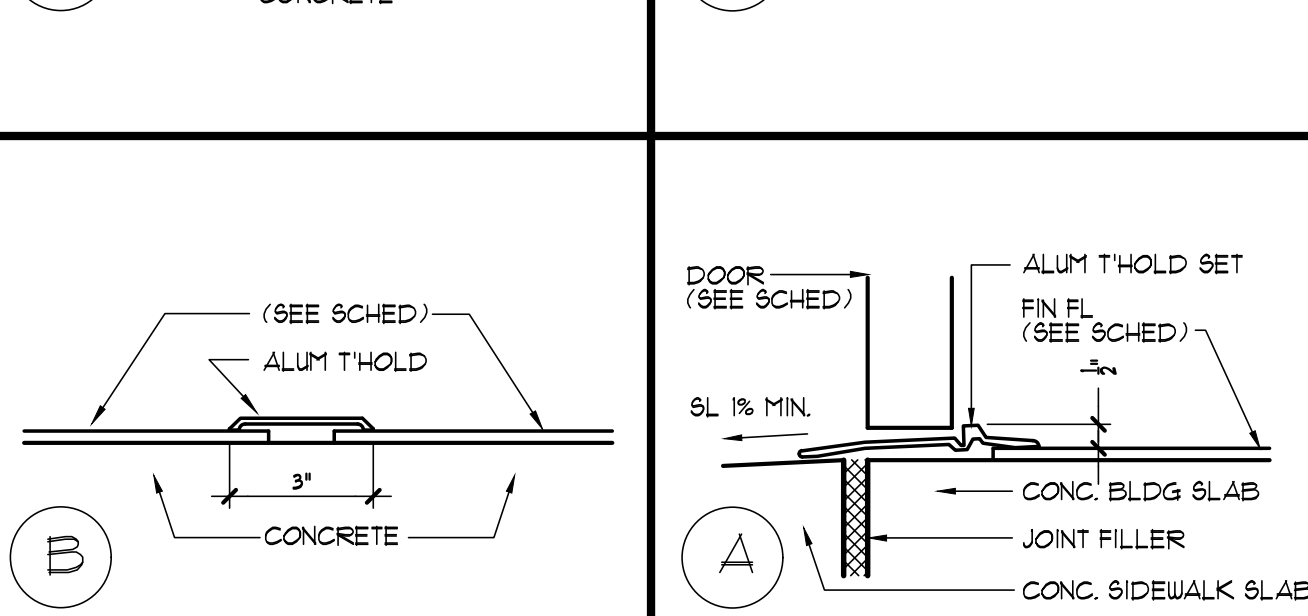
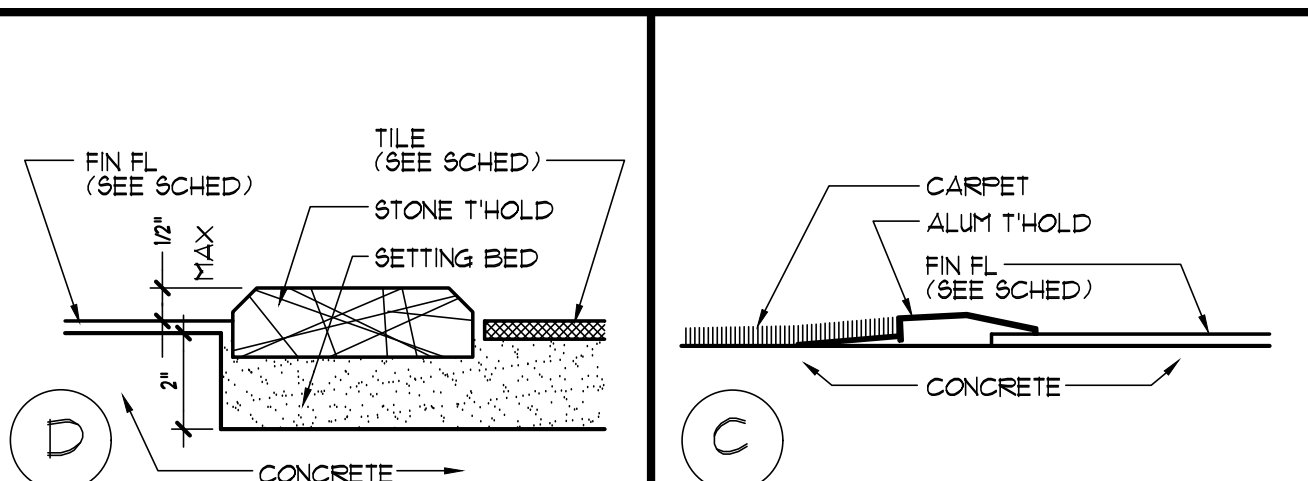
FRAME TYPES
SCALE: NTS



7 JAMB DETAIL
SCALE: 3" = 1'-0"

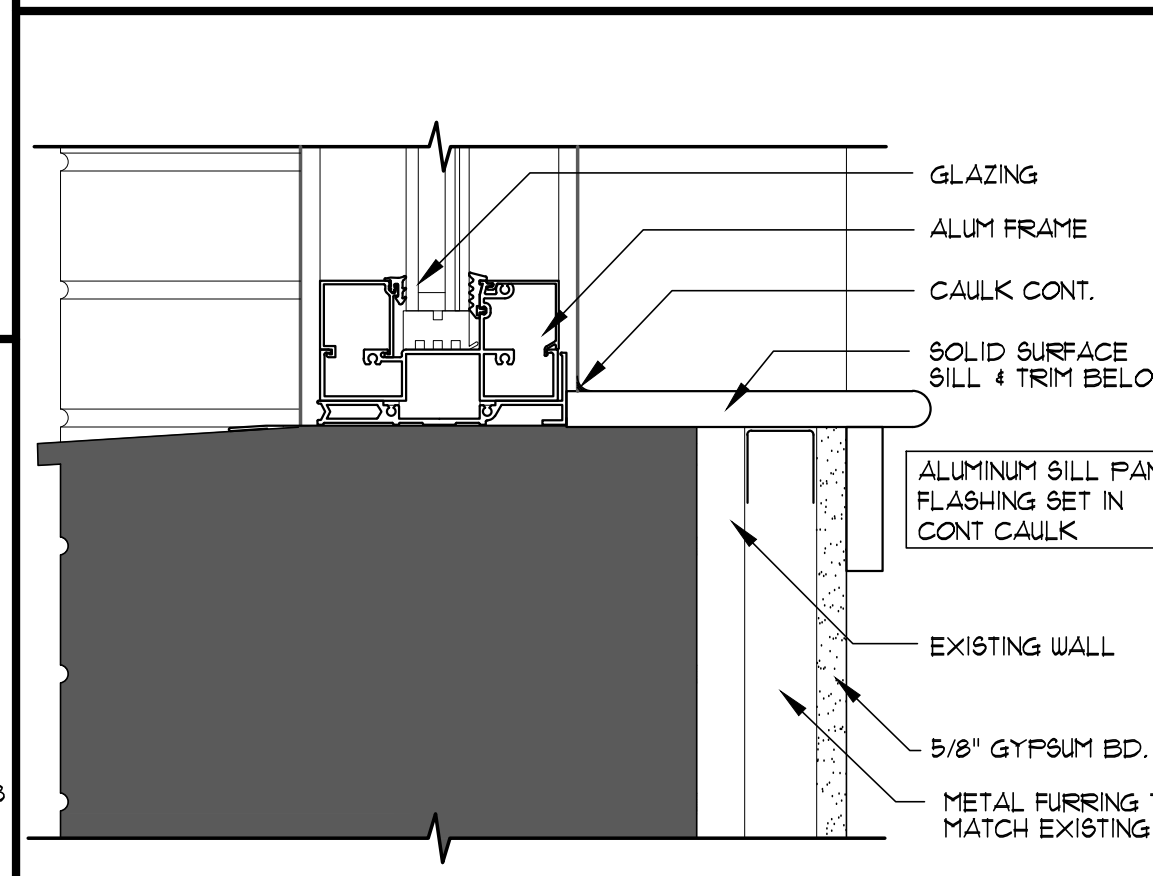


6 SILL DETAIL
SCALE: 3" = 1'-0"



5 THRESHOLD DETAILS
SCALE: 3" = 1'-0"

2 JAMB DETAIL
SCALE: 3" = 1'-0"



1 SILL DETAIL
SCALE: 3" = 1'-0"

REVISIONS:				
NO.	DESCRIPTION	DRAWN	CHECKED	DATE

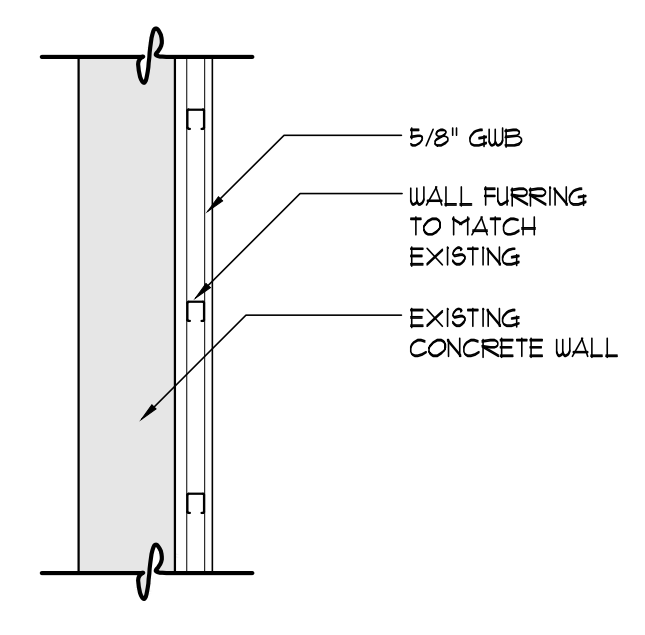
PHASE:				
NO.	DESCRIPTION	DRAWN	CHECKED	DATE

JRA ARCHITECTS 2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 26816

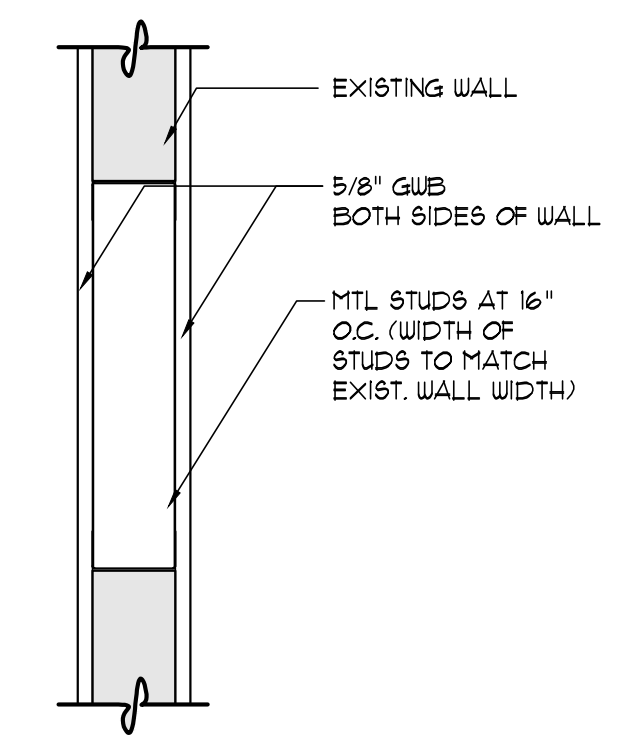
PROJECT:
ROSENWALD SCHOOL PHASE I BUILDING #2 REMODELING

PANAMA CITY
SHEET TITLE:
WINDOW DOOR SCHEDULES AND FRAME ELEVATIONS

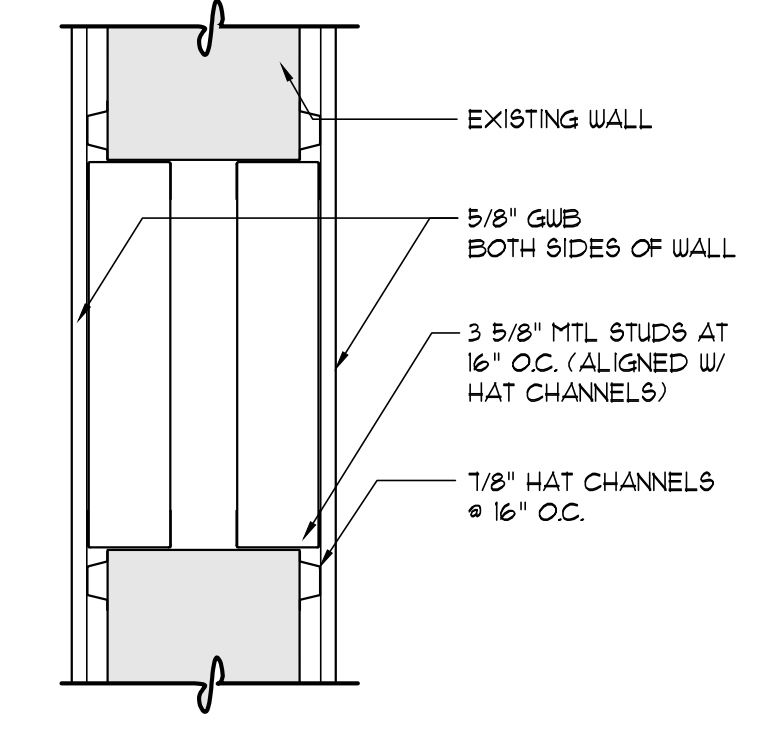
SHEET NUMBER:
A15



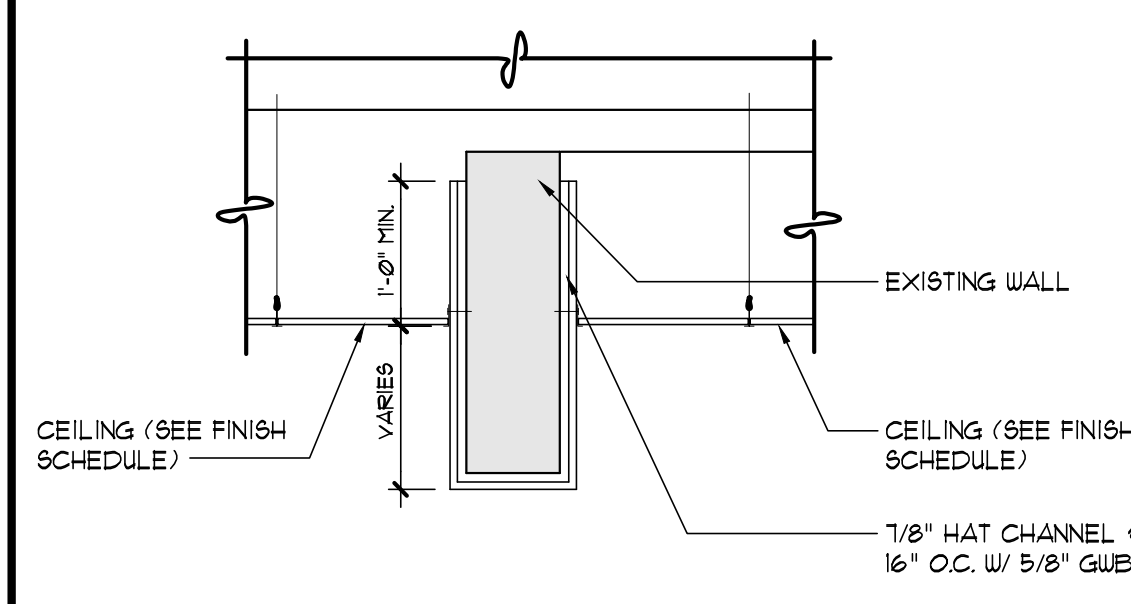
10 WALL BUILD-OUT SECTION
SCALE: 3/4" = 1'-0"



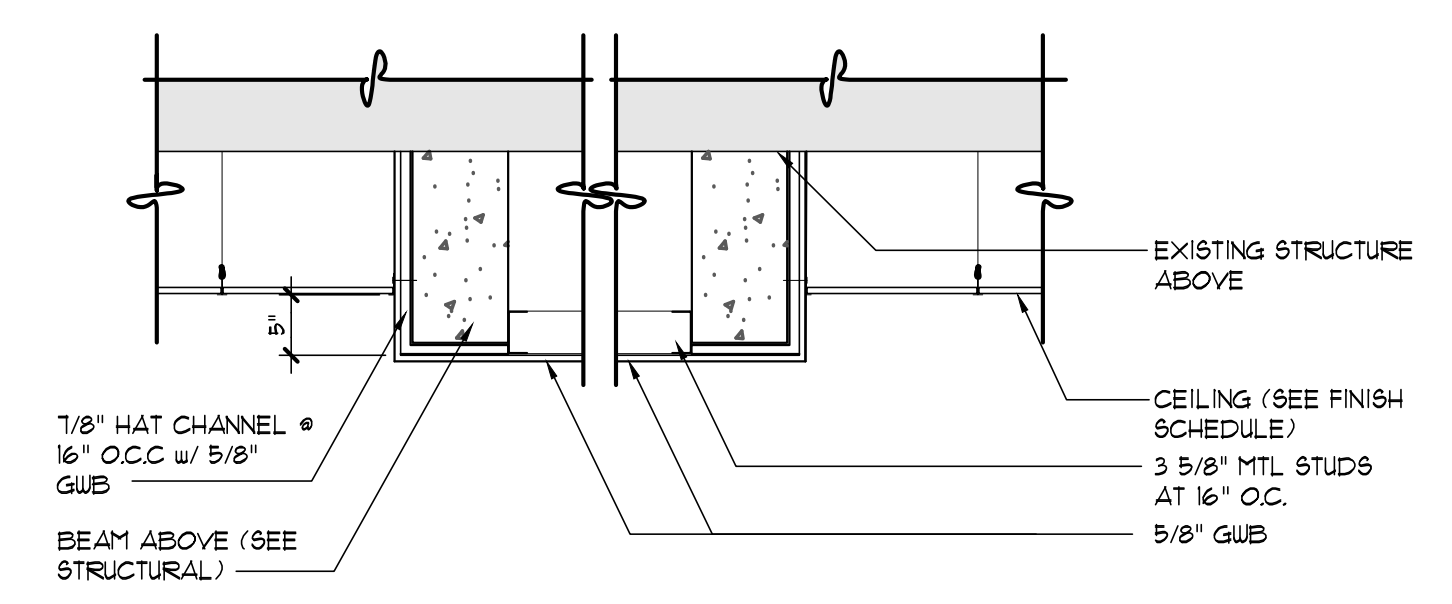
9 WALL INFILL DETAIL
SCALE: 3/4" = 1'-0"



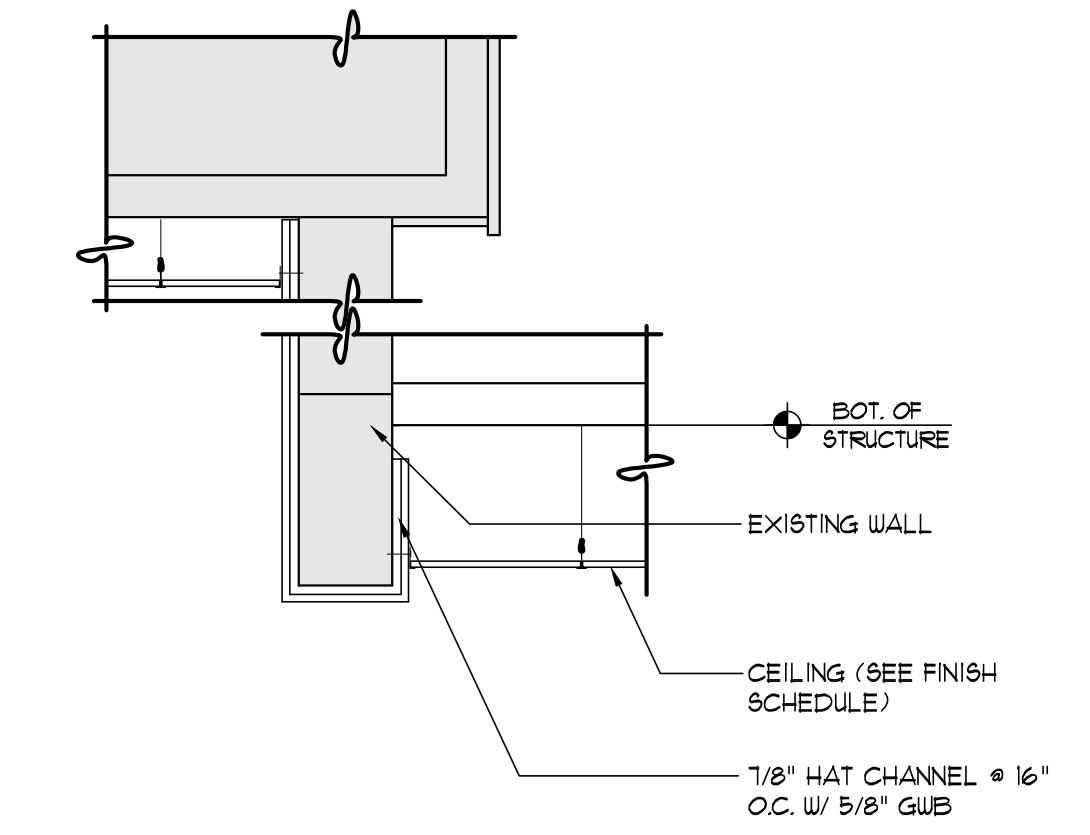
8 DBL WALL INFILL DETAIL
SCALE: 3/4" = 1'-0"



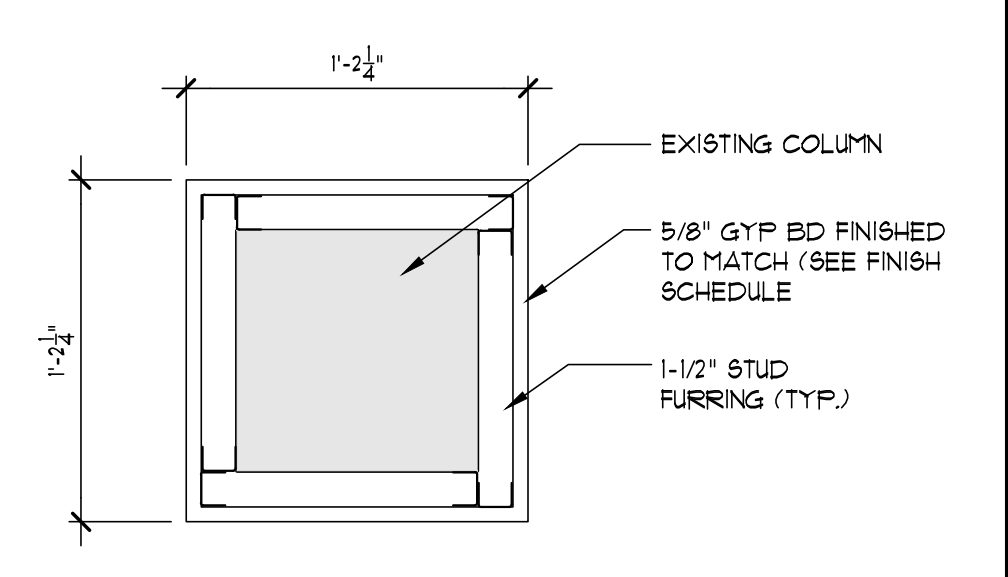
7 BULKHEAD DETAIL
SCALE: 3/4" = 1'-0"



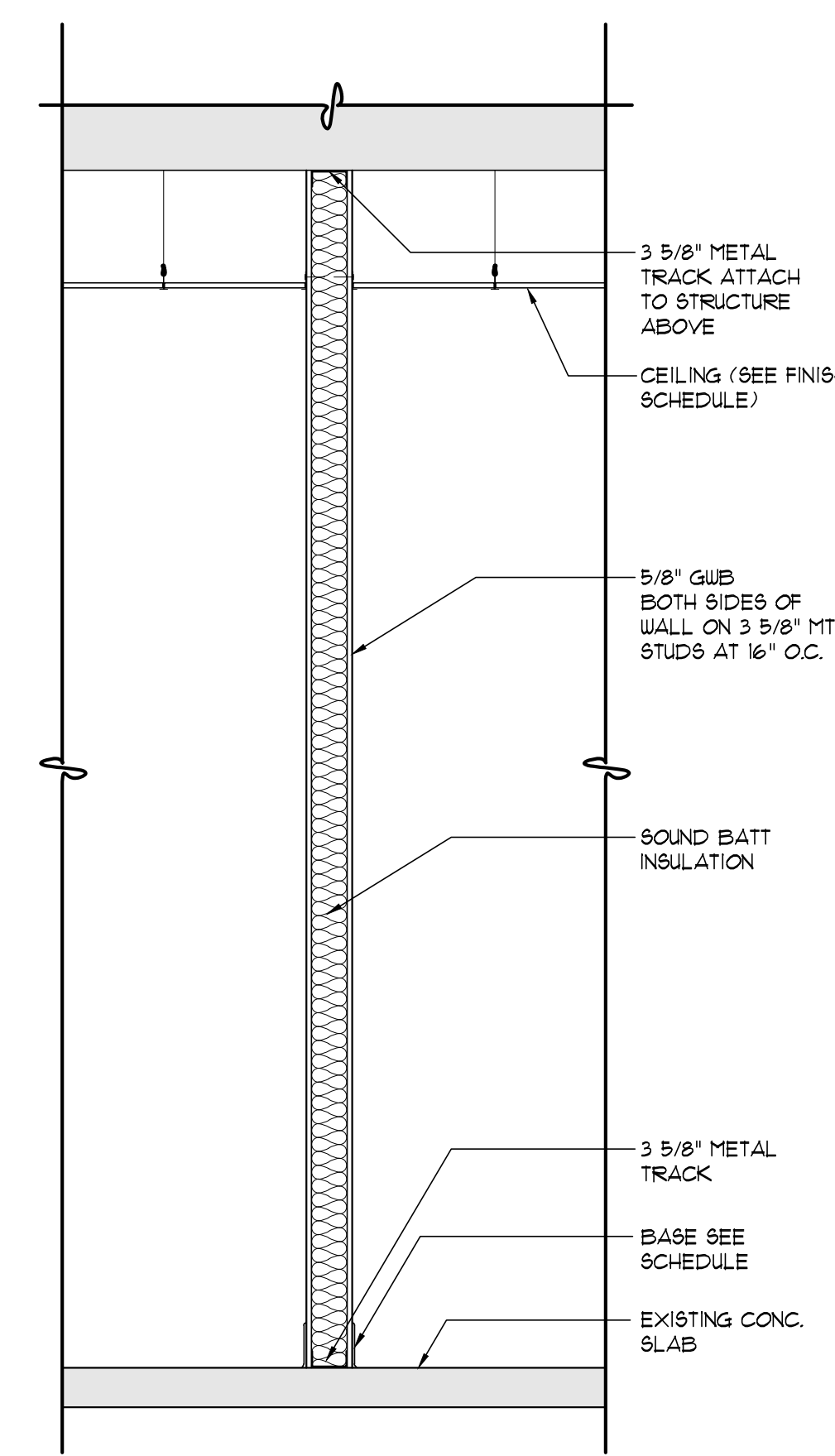
6 DROPPED CLG DETAIL
SCALE: 3/4" = 1'-0"



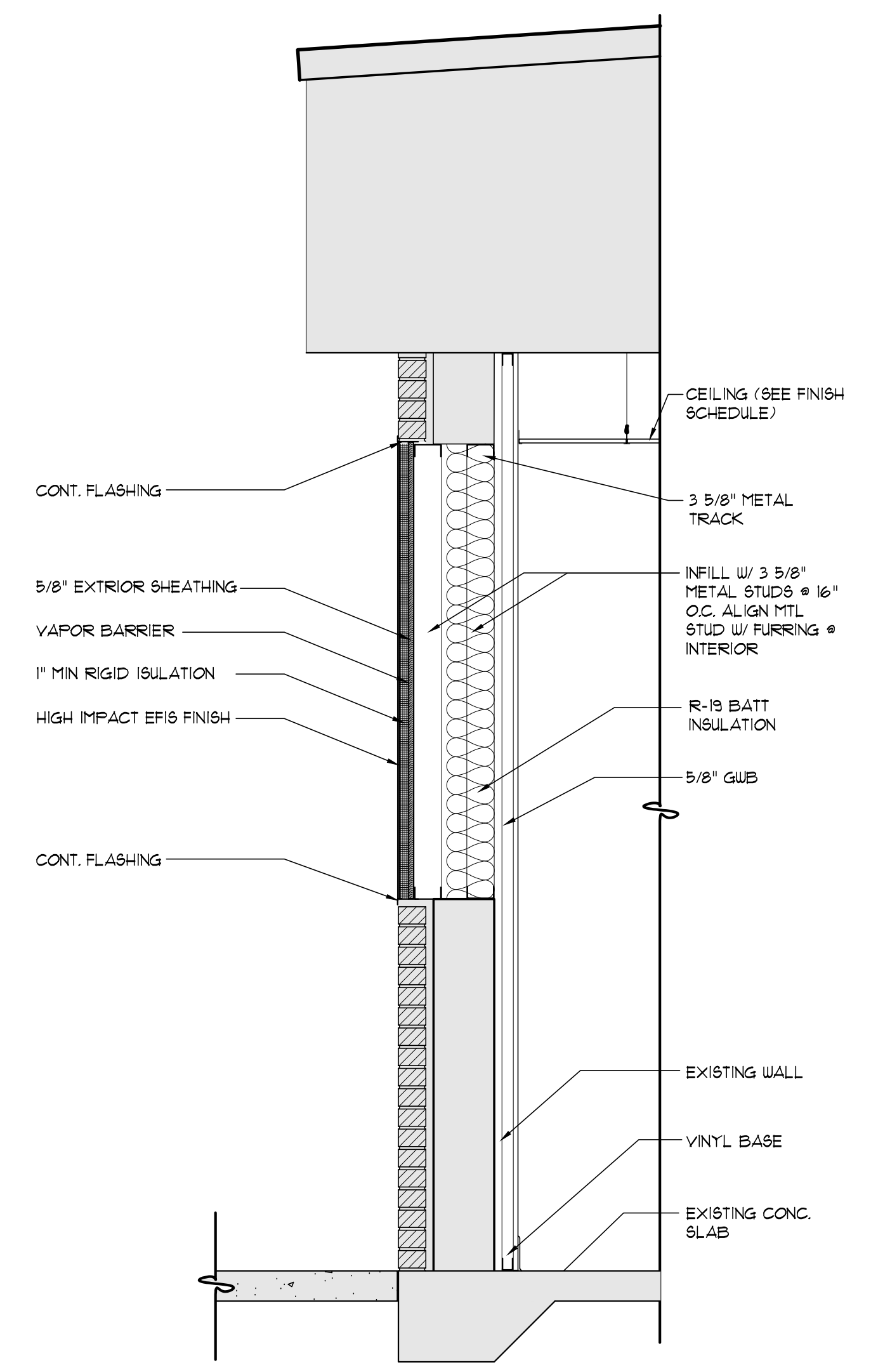
5 BULKHEAD DETAIL
SCALE: 3/4" = 1'-0"



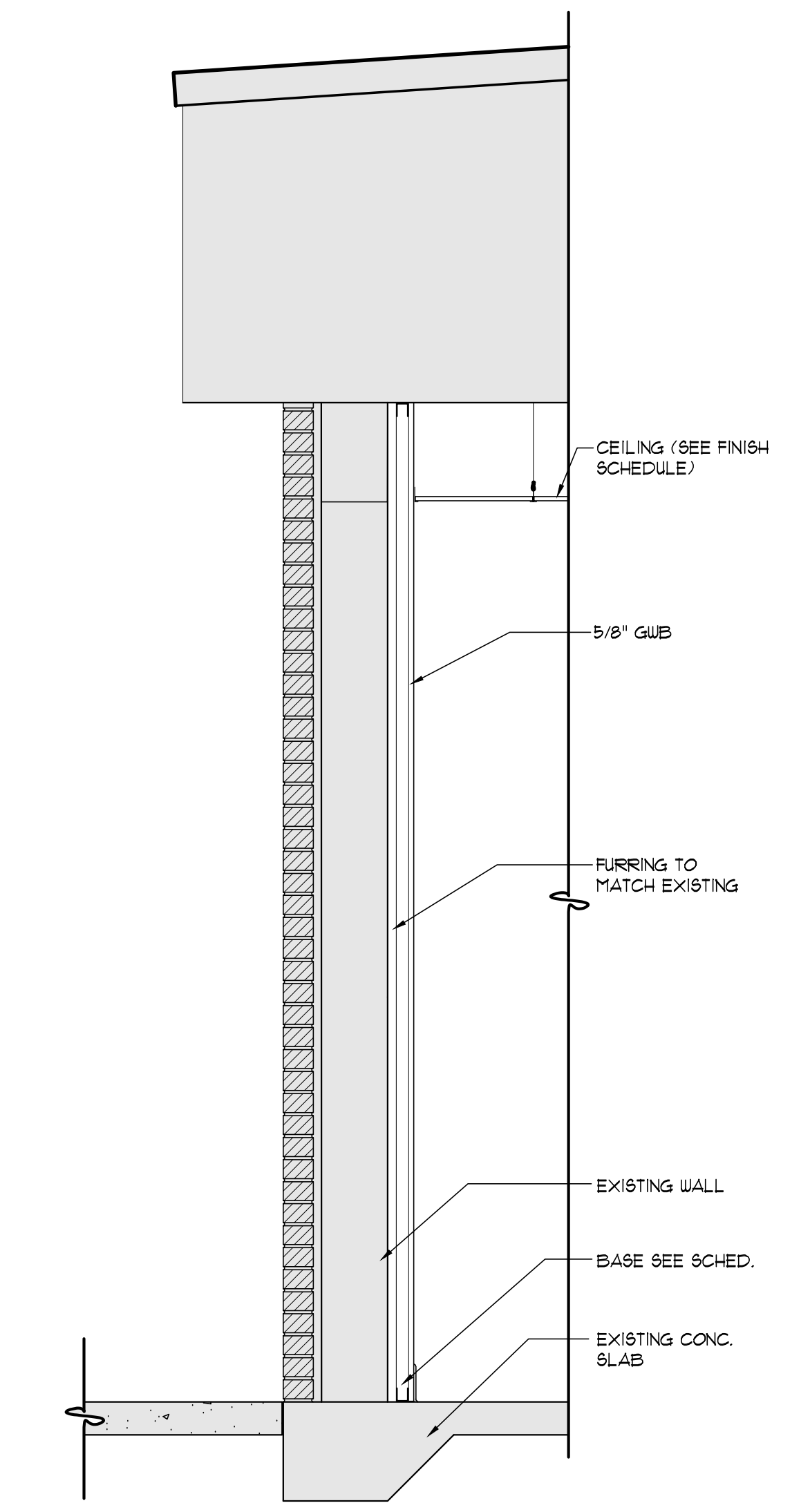
4 TYP. COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"



3 WALL INTERIOR SECTION
SCALE: 3/4" = 1'-0"



2 TYP INFILL WALL SECTION
SCALE: 3/4" = 1'-0"



1 TYP WALL SECTION
SCALE: 3/4" = 1'-0"

REVISIONS:

NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:

	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN	MAY	DV	04/09/06
BID DOCUMENTS	MAY	SB	04/15/06
CONSTRUCTION DOCUMENTS	MAY	SB	05/01/06

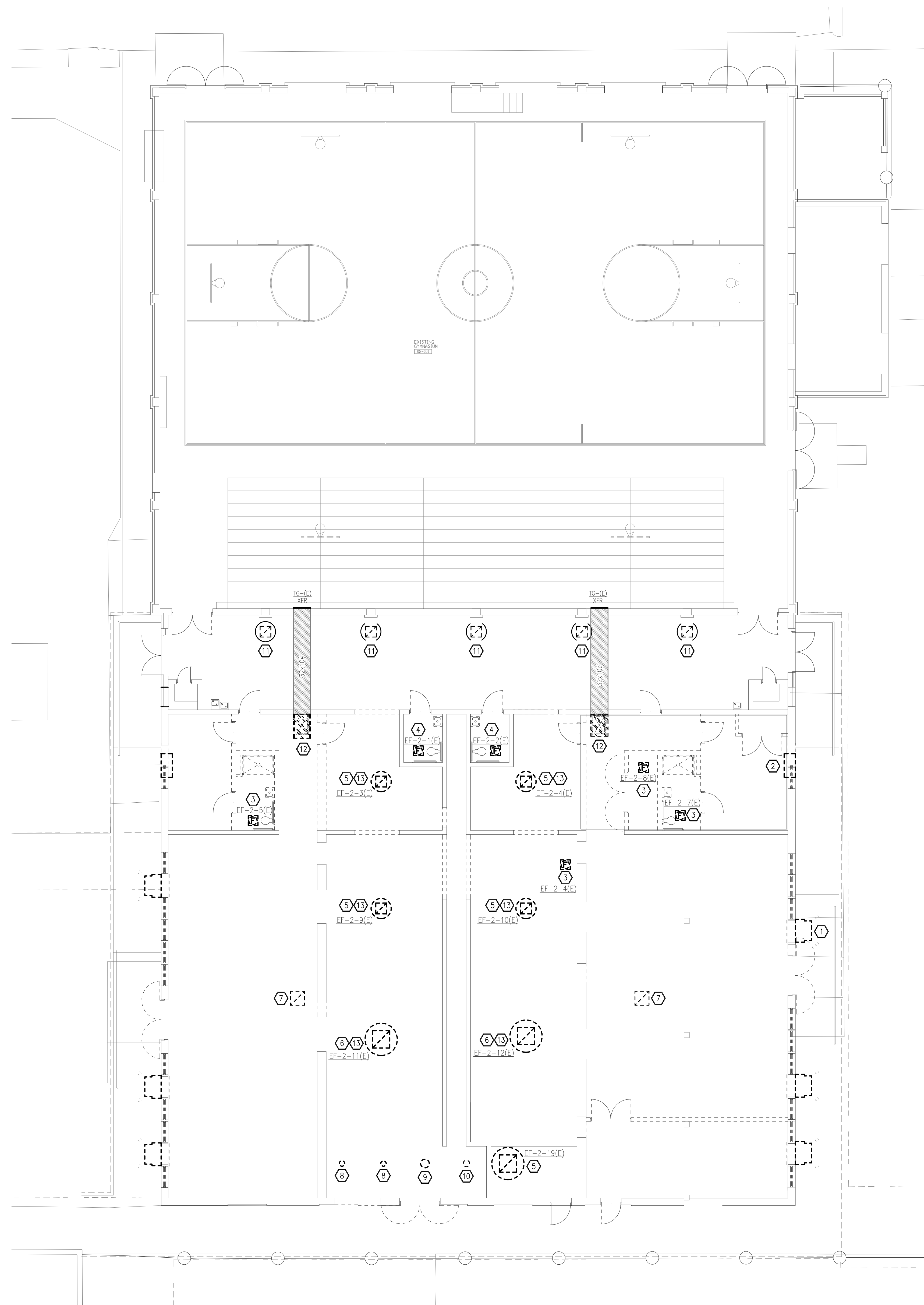
JRA ARCHITECTS 2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 26816

CONSULTANTS:

PROJECT:
**ROSENWALD SCHOOL PHASE I
BUILDING #2 REMODELING**

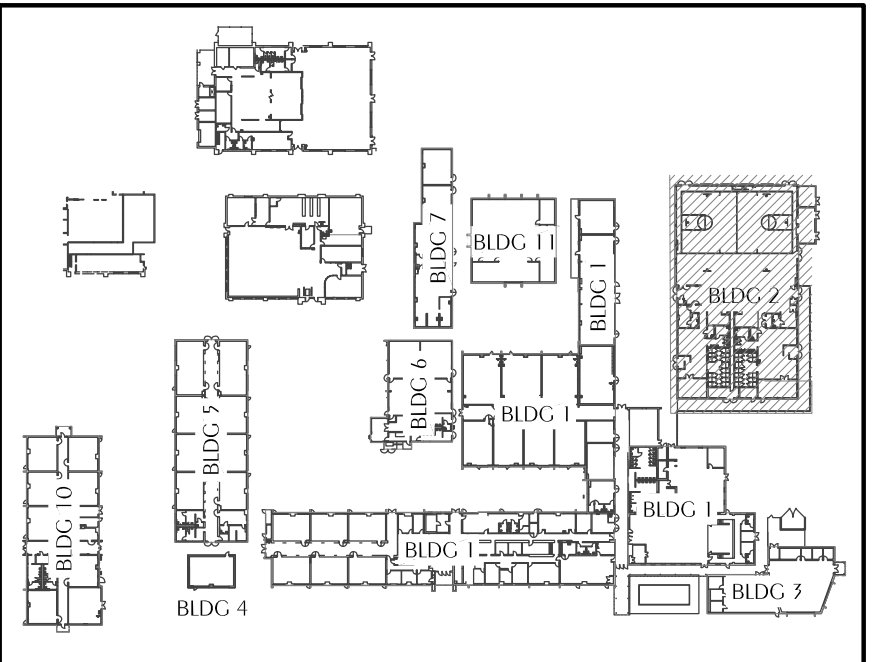
PANAMA CITY
SHEET TITLE:
**BUILDING SECTIONS
AND DETAILS**

SHEET NUMBER:
A16



SHEET NOTES

- 1 REMOVE WALL MOUNT HEAT PUMP. TYPICAL
- 2 REMOVE PTAC. TYPICAL
- 3 REMOVE CEILING MOUNTED FAN AND ASSOCIATED DUCTWORK.
- 4 REMOVE CEILING MOUNTED FAN. DUCTWORK TO REMAIN FOR NEW FAN.
- 5 REMOVE ROOF MOUNTED FAN AND ASSOCIATED DUCTWORK. CAP CURB.
- 6 REMOVE ROOF MOUNTED FAN AND ASSOCIATED DUCTWORK. REFER TO NEW WORK PLAN.
- 7 CAPPED CURB TO REMAIN.
- 8 CAP EXISTING 8" FLUE.
- 9 CAP EXISTING 16" FLUE.
- 10 EXISTING 12" CAPPED FLUE TO REMAIN.
- 11 EXISTING GRVITY VENTILATOR TO REMAIN.
- 12 REMOVE AIR DEVICE AND ASSOCIATED DUCTWORK TO WALL. CORRIDOR DUCTWORK TO REMAIN.
- 13 REMOVE GRILLE THAT VENTILATES SPACE BETWEEN ROOF STRUCTURES. SEAL 8" DUCT.



REVISIONS:

NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN	IVB	DAN	04/09/16
BID DOCUMENTS - GPM	IVB	DAN	04/15/16
CONSTRUCTION DOCUMENTS	IVB	DAN	05/01/16

JRA ARCHITECTS 2211 NAVY BLVD., STE 100
 PANAMA CITY BEACH, FL
 PHONE: (850) 236-9832
 Commission Number: 26816

CONSULTANTS:
 Donald A. Nye, State of Florida
 Professional Engineer
 License No. 99195
This item has been digitally signed and sealed by Donald A. Nye on the date indicated here.
 Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.




WATFORD ENGINEERING
4452 Citrus Street, Melbourne, Florida 32903 Phone: (407) 276-1200
 800.533.3447 Project Number: 201-001 Date: A. Nye, PE Florida License 99195

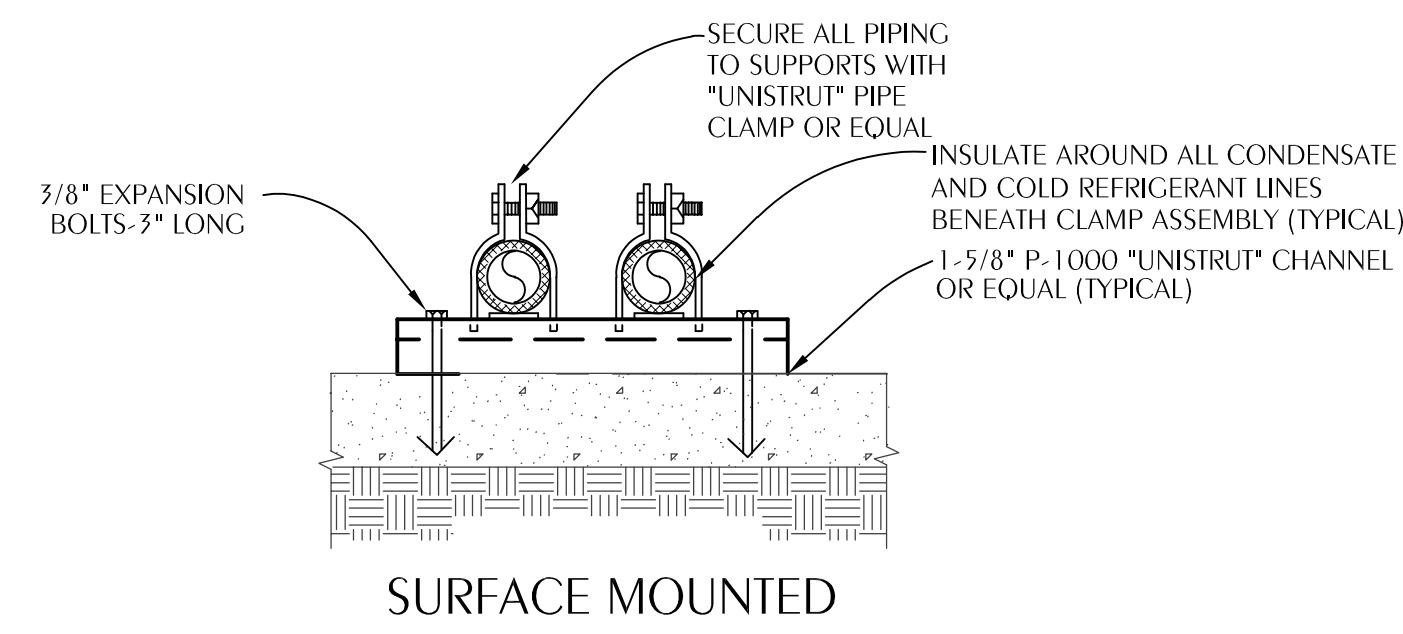
PROJECT:
 ROSENWALD SCHOOL PHASE I
 BUILDING #2 REMODELING

PANAMA CITY

SHEET TITLE:
 HVAC
 DEMOLITION PLAN

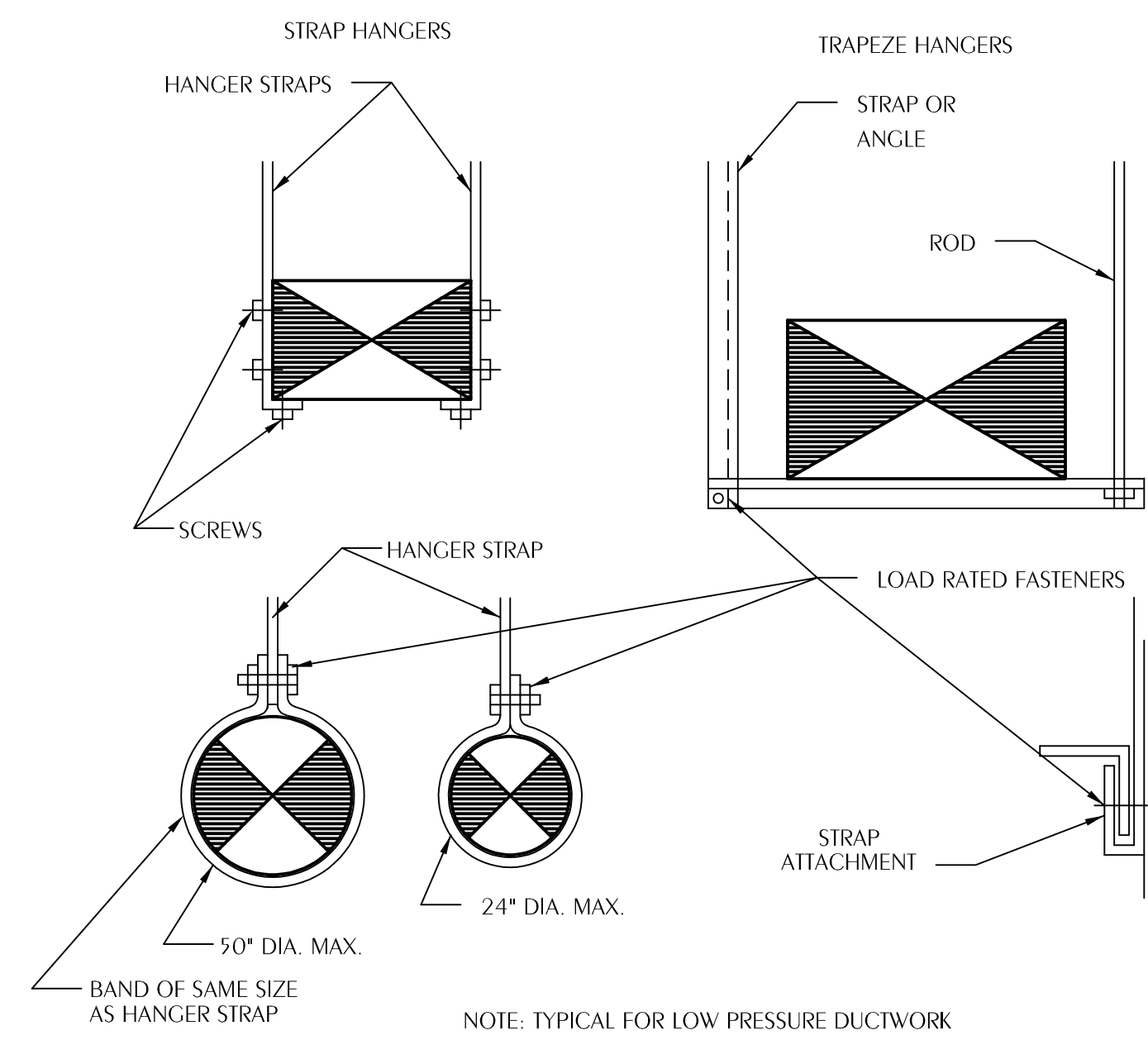
SHEET NUMBER:
 M1.0

 **1 HVAC DEMOLITION PLAN**
 M1.0 SCALE: 1/8" = 1'-0"

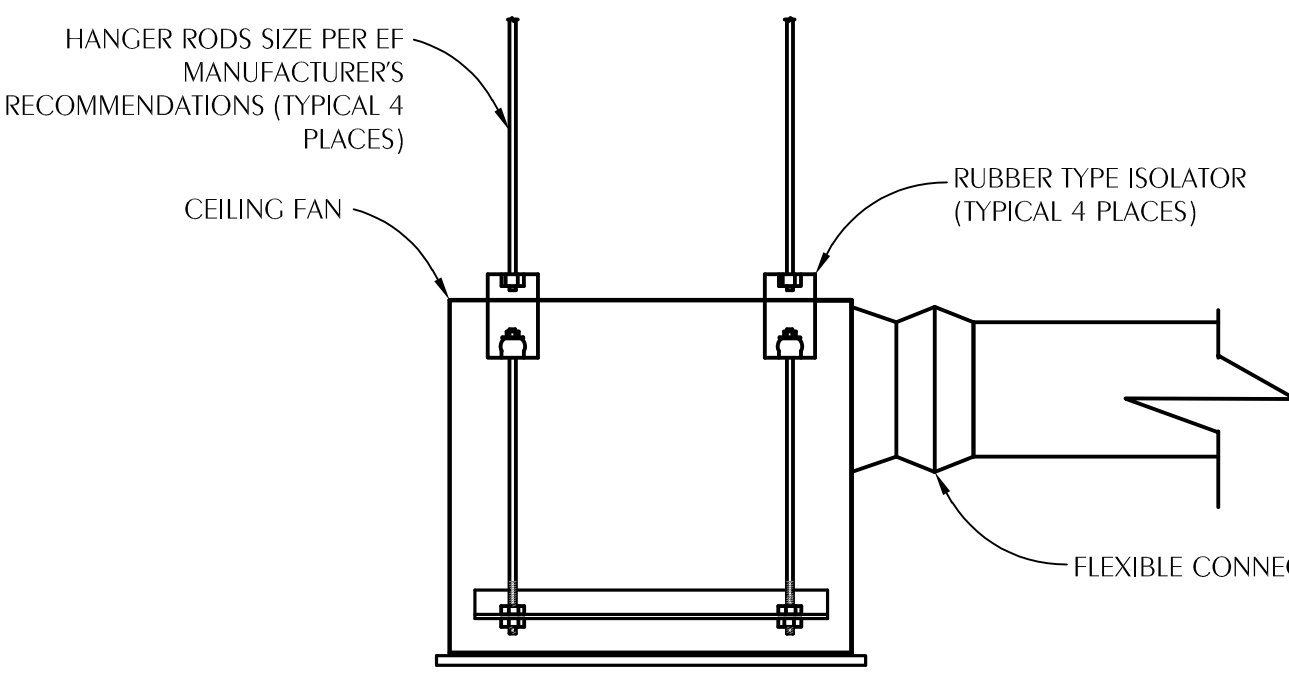


NOTE:
 PROVIDE FACTORY END CAPS FOR CHANNEL.
 PROVIDE ALUMINUM JACKET BETWEEN INSULATION AND PIPE CLAMP AT ALL INDOOR LOCATIONS.
 PROVIDE SMOOTH ALUMINUM JACKET OVER ALL EXPOSED OUTDOOR INSULATION.
 PROVIDE SUPPORT AT INTERVALS REQUIRED BY THE FLORIDA BUILDING CODE.

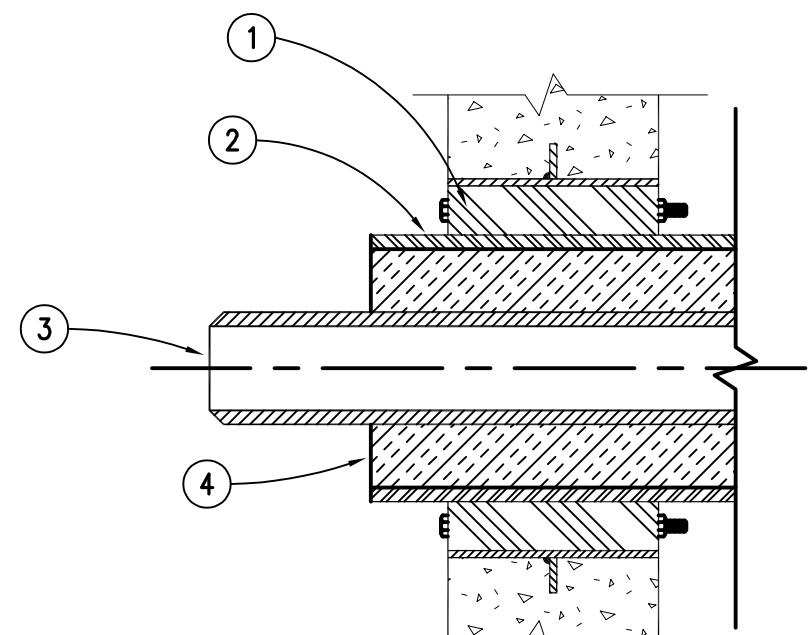
1 TYPICAL EXTERIOR PIPING SUPPORT DETAIL
 M2.0 SCALE: NONE



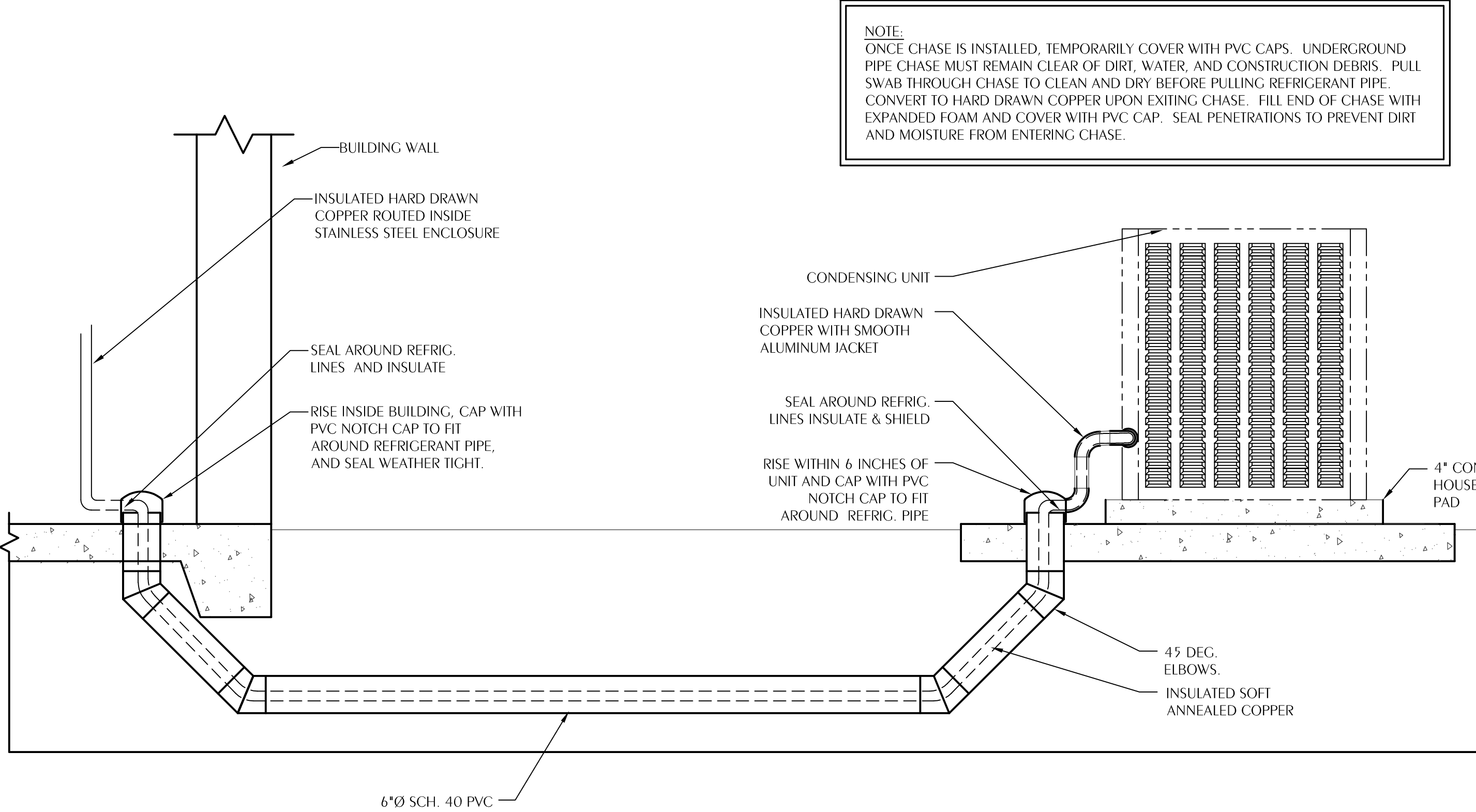
2 DUCT HANGER DETAILS
 M2.0 SCALE: NONE



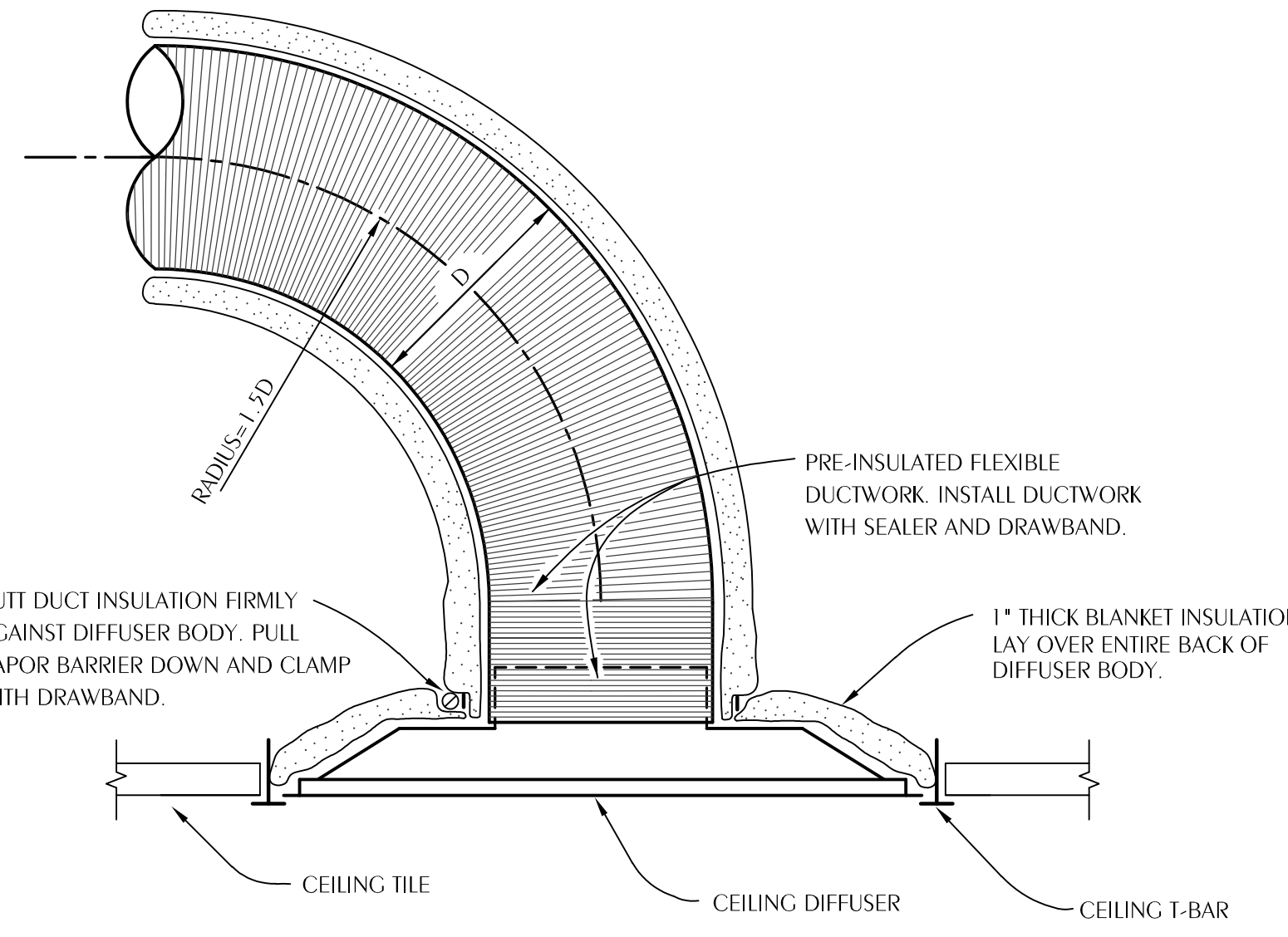
3 CEILING FAN DETAIL
 M2.0 SCALE: NONE



4 TYPICAL WALL PIPE PENETRATION
 M2.0 SCALE: NONE

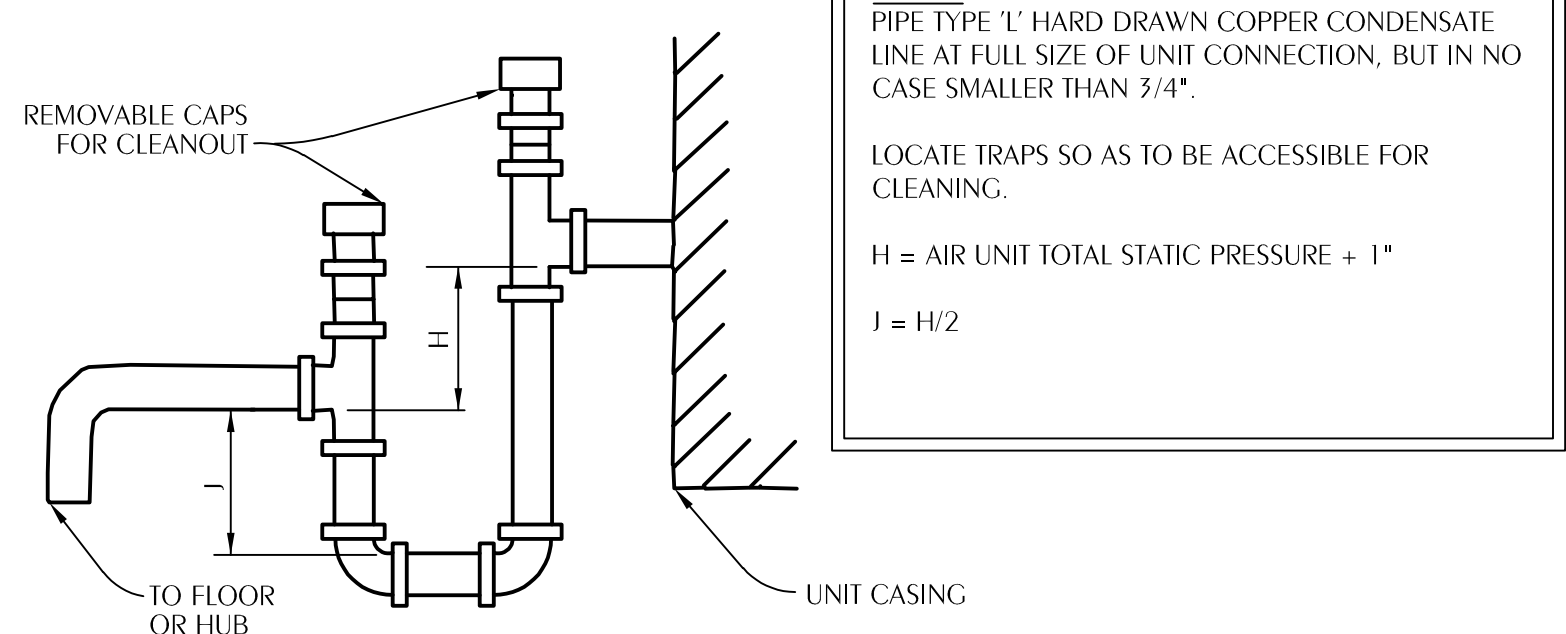


5 UNDERGROUND REFRIGERANT PIPING DETAIL
 M2.0 SCALE: NONE



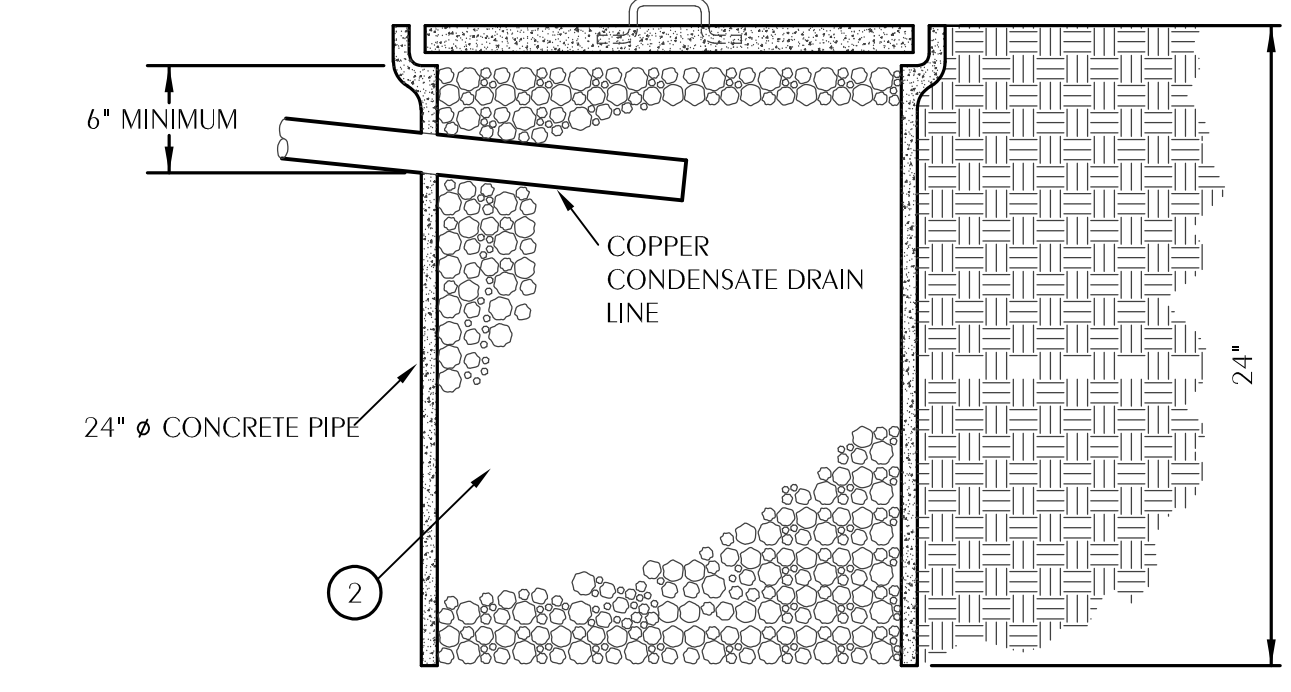
NOTES:
 FLEX DUCT SHALL BE NO LONGER THAN 5'-0\"/>

6 TYPICAL FLEX DUCT TAKEOFF DETAIL
 M2.0 SCALE: NONE



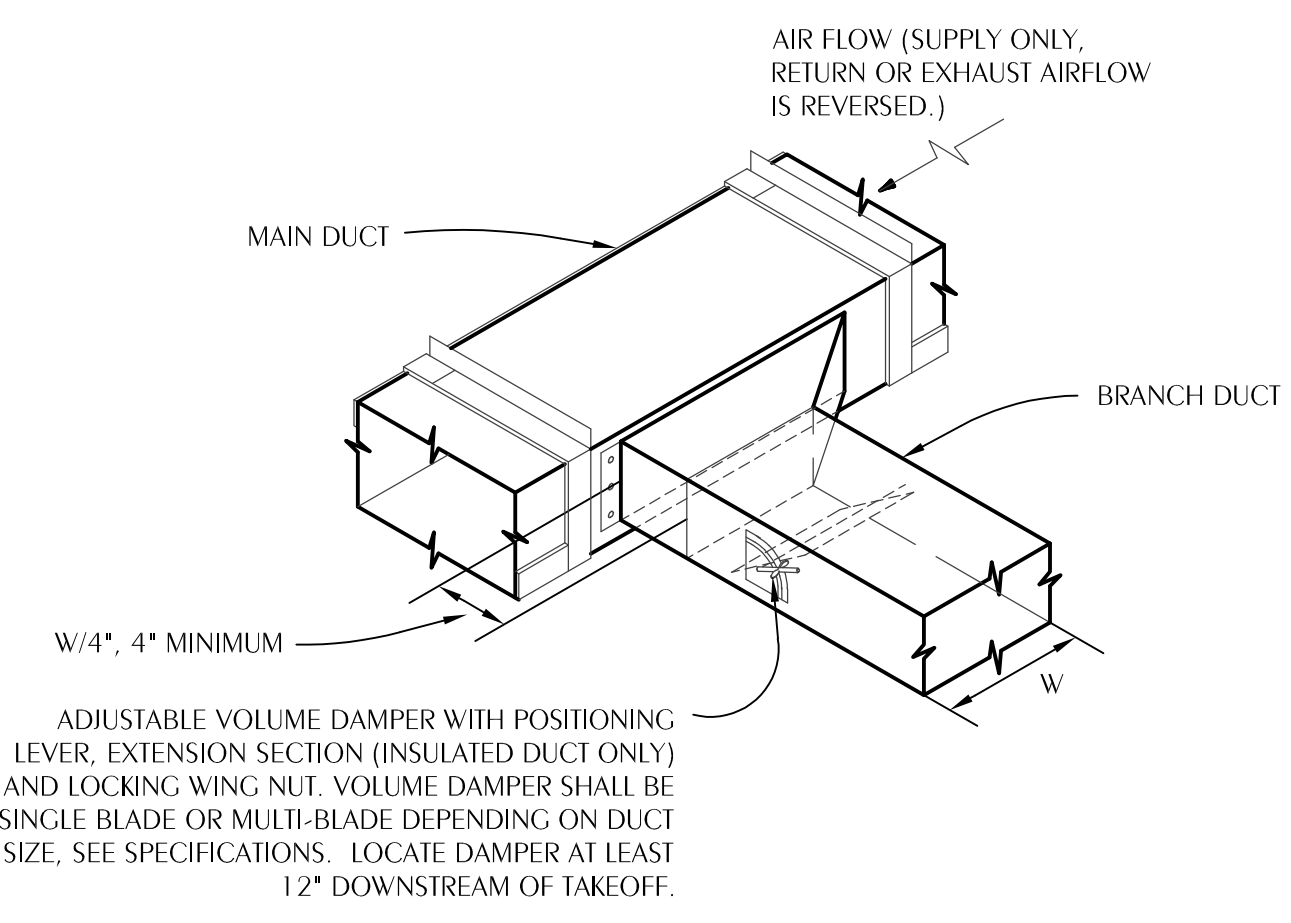
NOTES:
 PIPE TYPE 1\"/>

7 NEGATIVE PRESSURE CONDENSATE DRAIN TRAP
 M2.0 SCALE: NONE

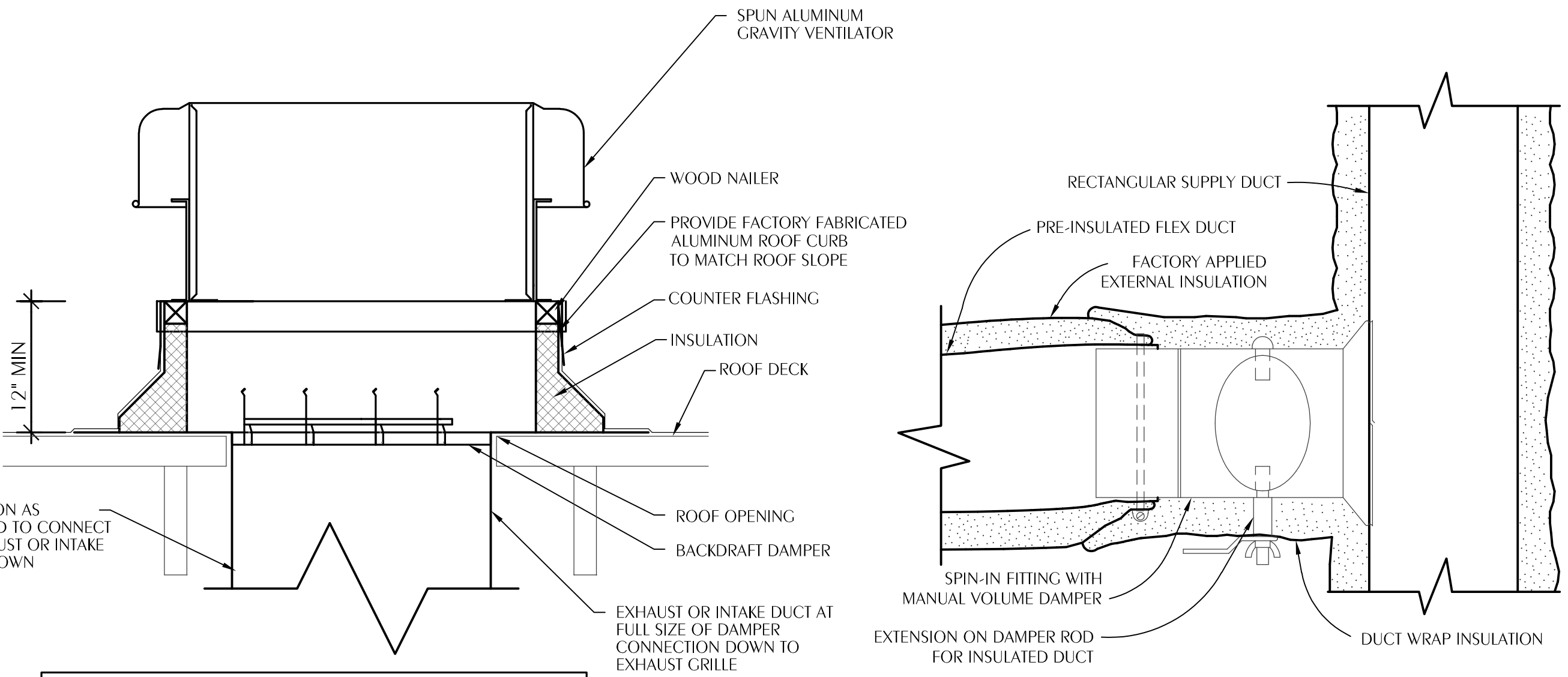


1 2\"/>
2 COURSE GRAVEL FILLER, APPROX. 1-1/2\"/>

8 TYPICAL DRY WELL DETAIL
 M2.0 SCALE: NONE



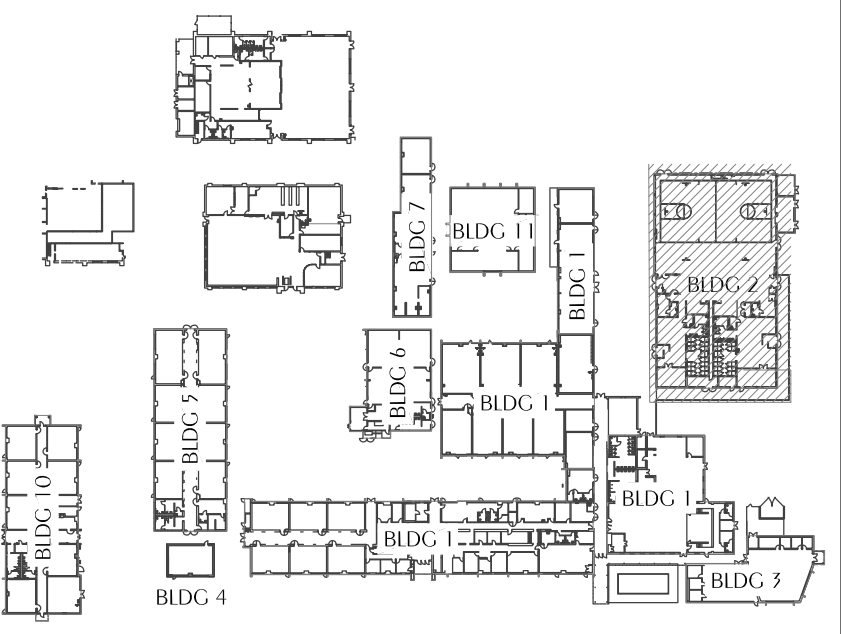
9 TYPICAL BRANCH DUCT TAKEOFF
 M2.0 SCALE: NONE



NOTES:
 REFER TO ARCHITECTURAL DRAWINGS FOR ROOF DECK DETAILS.
 REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL DETAILS.
 BACKDRAFT DAMPER NOT REQUIRED FOR INTAKE.
 PROVIDE ALUMINUM INSECT SCREEN.

NOTES:
 CONNECT FLEXIBLE DUCT TO FITTING WITH DRAWBAND AND SEALER.
 ROUND HARD DUCT RUNOUTS SHOULD START WITH SPIN-IN FITTINGS SIMILAR TO THIS DETAIL.

10 TYPICAL GRAVITY VENTILATOR DETAIL
 M2.0 SCALE: NONE



KEYPLAN
 SCALE: NTS

REVISIONS:				
NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:			
	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN	IVB	DAN	04/09/16
BID DOCUMENTS - GFM	IVB	DAN	04/15/16
CONSTRUCTION DOCUMENTS	IVB	DAN	05/01/16

JRA ARCHITECTS 2211 NAVY BLVD., STE 100
 PANAMA CITY BEACH, FL
 PHONE: (850) 236-9832
 Commission Number: 26876

WATFORD ENGINEERING
 4452 Citrus Street, Melbourne, Florida 32909
 800.533.3447, Project Number: 201-0017 Date: 4, Year: PE Florida License 9197

ROSENWALD SCHOOL PHASE I BUILDING #2 REMODELING

PANAMA CITY
 SHET TITLE:
 HVAC
 DETAILS

SHEET NUMBER:
 M2.0

DDC SYSTEM LEGEND

- DDC DIRECT DIGITAL CONTROL
- DI DIGITAL INPUT
- DO DIGITAL OUTPUT
- AI ANALOG INPUT
- AO ANALOG OUTPUT
- DV DIGITAL VALUE
- AV ANALOG VALUE

DDC SYSTEM GENERAL NOTES

- THE DDC CONTRACTOR SHALL PROVIDE A NEW DDC SYSTEM TO PERFORM THE INDICATED SEQUENCES, ALL OTHER FUNCTIONS REQUIRED BY THE CONTRACT DOCUMENTS, AND ALL OTHER FUNCTIONS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
- THE CONTROLS CONTRACTOR SHALL PROVIDE A DDC SYSTEM FOR THE NEW EQUIPMENT THAT MEETS ALL REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS. THIS SHALL INCLUDE ALL GRAPHICS, AREA CONTROL MEMBERS, TIME SCHEDULING, ETC. ALL WORK SHALL BE THE RESPONSIBILITY OF THIS CONTROLS CONTRACTOR.
- ALL SEQUENCES ARE SUBJECT TO SAFETIES. DDC CONTRACTOR SHALL PROVIDE ALL NECESSARY AND CUSTOMARY SAFETIES.
- ALL WIRING SHALL BE IN CONDUIT. ALL CONDUIT SHALL BE IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS, REQUIREMENTS FOR 120 VAC CIRCUITS.
- ALL CONTROL TUBING SHALL BE RUN IN CONDUIT. ALL CONDUIT SHALL BE IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS, REQUIREMENTS FOR 120 VAC CIRCUITS.
- CONDUIT SHALL BE RUN PERPENDICULAR AND PARALLEL TO BUILDING LINES IN A FIRST CLASS WORKMANSHIP LIKE MANNER.
- ALL EXISTING CONTROLS CONDUIT, WIRING, ENCLOSURES, AND DEVICES NOT TO BE REUSED SHALL BE REMOVED INCLUDING STRAPS, HANGERS, ETC.
- NO EXPOSED CONDUIT SHALL BE USED IN FINISHED SPACES.
- WHERE EXISTING CONTROLS DEVICES ARE REMOVED AND THE EXISTING LOCATION IS NOT TO BE REUSED, THE CONTRACTOR SHALL PROVIDE A BLANK COVER PLATE TO MATCH EXISTING ROOM DEVICES.
- WHERE NEW DEVICES REPLACING EXISTING DEVICES DO NOT FULLY COVER THE FOOTPRINT OF THE EXISTING DEVICE, THE CONTRACTOR SHALL PROVIDE AN ESCUTCHEON OR TRIM PIECE TO COVER THE UNFINISHED SURFACE.

NEW CAMPUS CONTROL PANEL & EXISTING CONTROLS INTEGRATION

GENERAL: THE MAIN CAMPUS IS SERVED BY AN EXISTING BARBER COLEMAN NETWORK 8000 DIGITAL CONTROL SYSTEM AND AUTOMATED LOGIC WEBCtrl SERVER. THE NEW CAMPUS CONTROL SHALL BE WEB BASED AND CAPABLE OF BACNET COMMUNICATION. IF AN ALTERNATE MANUFACTURERS SYSTEM IS PROVIDED, THE CONTRACTOR SHALL INTEGRATE THE EXISTING CAMPUS CONTROLS AT THE MEDIA CENTER INTO THE NEW SYSTEM. THE INTEGRATION SHALL INCLUDE FULL CONTROL OF EXISTING POINTS AND SCHEDULING AND COMPLETE GRAPHICS FOR EACH UNIT.

EXISTING UNIT CONTROLS: EXISTING UNIT CONTROLLERS, THERMOSTATS, HUMIDISTATS AND FRONT END EQUIPMENT SHALL BE REMOVED FROM THE EQUIPMENT THAT IS BEING REPLACED AS PART OF THIS PROJECT AND DELIVERED TO OWNER'S MAINTENANCE FACILITY AT 904 EAST BALDWIN RD, PANAMA CITY, FL FOR INVENTORY. THE REMAINING EXISTING CONTROLLERS ARE TO BE INTEGRATED INTO THE NEW SYSTEM.

CONTRACTOR COMMISSIONING OF CONTROLS SYSTEMS: THE CONTROLS CONTRACTOR SHALL SUBMIT A COMMISSIONING CHECK LIST FOR EACH NEW CONTROLLER AND EXISTING CONTROLLER FOR REVIEW DURING THE SUBMITTAL PROCESS. THE LIST SHALL INCLUDE THE GRAPHIC, EACH POINT SHOWN ON THE GRAPHIC, AND EACH OPERATION REQUIRED BY THE SEQUENCE OF OPERATIONS, INCLUDING SET BACK, AND OVERRIDE. THE CHECK OUT LIST SHALL BE SIGNED AND DATED BY THE TECHNICIAN PERFORMING THE CHECK AND SUBMITTED FOR REVIEW PRIOR TO SUBSTANTIAL COMPLETION.

SEQUENCE OF OPERATION HEAT PUMP-WITHOUT PRETREATED OA

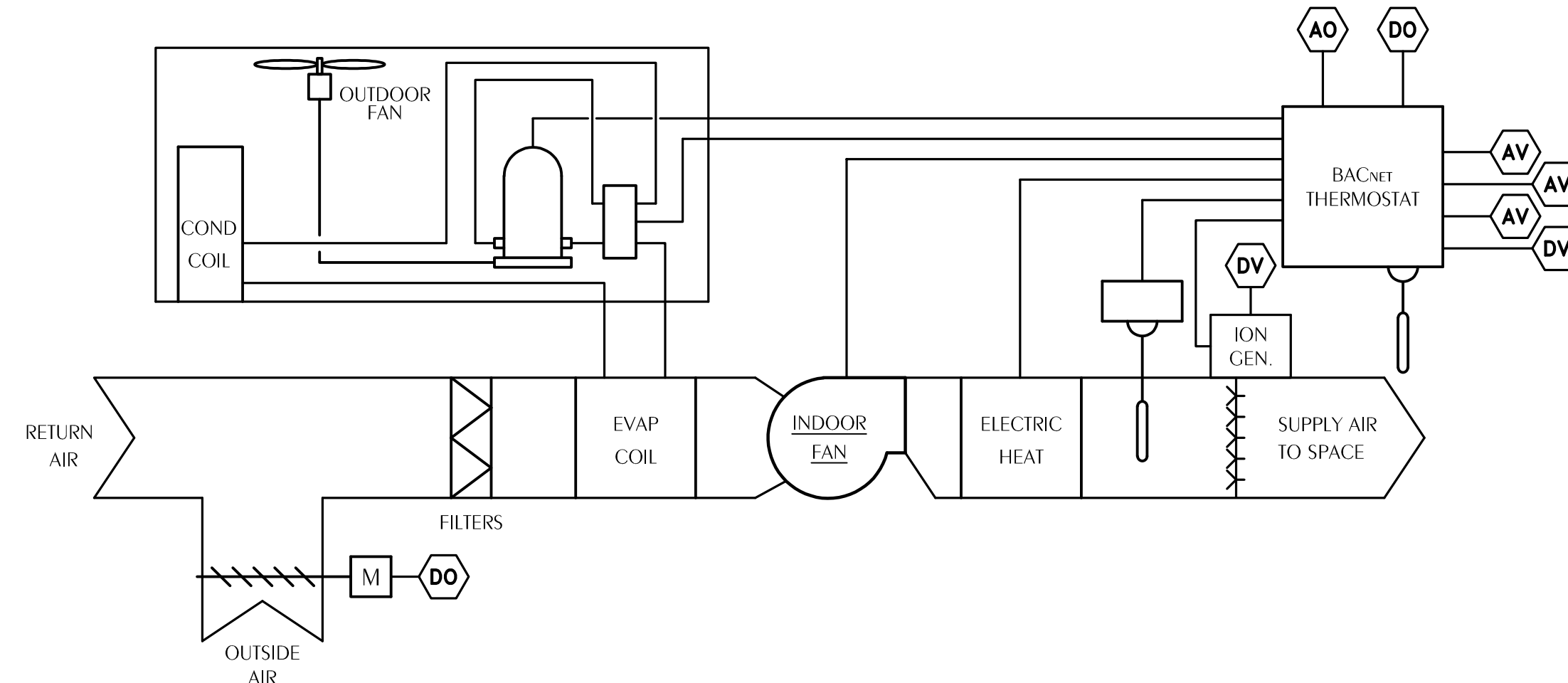
GENERAL: THE UNIT SHALL BE STARTED AUTOMATICALLY BY THE BACnet THERMOSTAT. ALL CONTROLS ACTIVATED SUBJECT TO THE FIRE ALARM RELAY, SAFETIES AND OVERLOADS. THE DDC SYSTEM SHALL INCLUDE A GRAPHIC FOR EACH UNIT AND COMMUNICATE THE INDICATED VALUES AND SETPOINTS ON THE GRAPHIC. THE DDC SHALL POST AN ALARM WHEN TEMPERATURE EXCEEDS SETPOINT ± 5°F FOR SPACE TEMPERATURE MORE THAN 1 HOUR AFTER OCCUPIED MODE BEGINS.

OCCUPIED MODE: THE INDOOR FAN SHALL CYCLE WITH THE HEAT PUMP CALL FOR HEATING AND COOLING. THE SET POINT FOR COOLING SHALL BE 75°F ADJUSTABLE. THE SET POINT FOR HEATING SHALL BE 70°F ADJUSTABLE. THE SUPPLEMENTAL ELECTRIC HEAT SHALL OPERATE AS A SECOND STAGE OF HEATING ENABLED ONLY DURING DEFROST OR WHEN THE OUTDOOR TEMPERATURE IS BELOW 40°F AND THE HEAT PUMP CAN NOT SATISFY THE CALL FOR HEATING AFTER 20 MINUTES OF RUN TIME.

UNOCCUPIED MODE: THE INDOOR FAN AND HP SHALL CYCLE TO MAINTAIN SET POINT TEMPERATURE. THE SET POINT FOR COOLING SHALL BE 80°F ADJUSTABLE. THE SET POINT FOR HEATING SHALL BE 65°F ADJUSTABLE.

OVERRIDE MODE: THE OVERRIDE MODE SHALL PLACE THE SYSTEM IN OCCUPIED MODE FOR 1 HR AND THE OUTSIDE AIR FLOW FOR THE UNIT IN OVERRIDE SHALL BE PLACED IN OCCUPIED MODE FOR 1 HR.

BIPOLAR IONIZATION: THE BACnet THERMOSTAT SHALL MONITOR A DIGITAL ALARM OUTPUT ON THE IONIZATION DEVICE AND THE DDC SHALL MONITOR THIS POINT AND POST AN ALARM IF THERE IS A FAILURE.



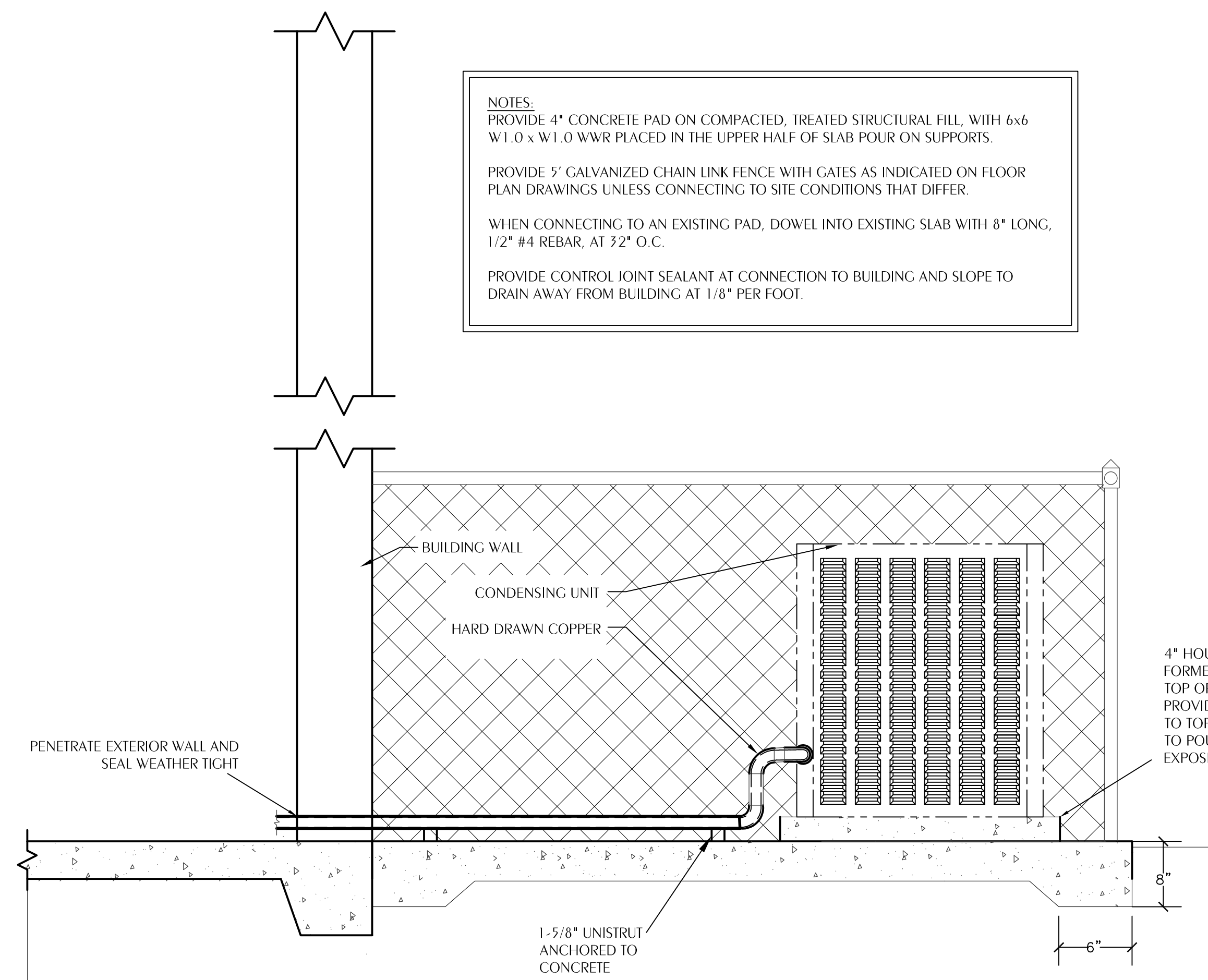
1 HEAT PUMP-WITHOUT PRETREATED OA CONTROL DIAGRAM
M2.1 SCALE: NONE

HEAT PUMP-WITHOUT PRETREATED OA POINTS LIST

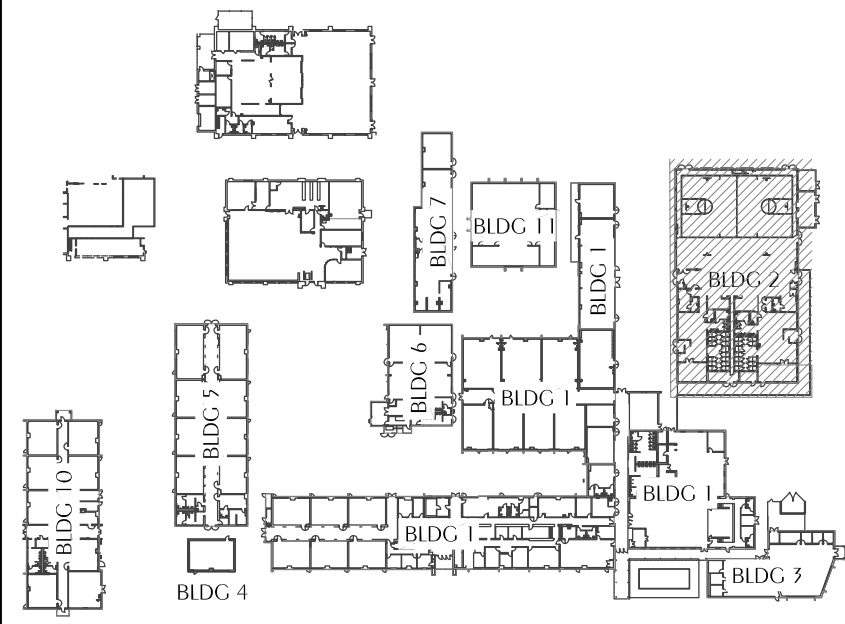
POINT NAME	HARDWARE POINTS				SOFTWARE POINTS					
	AI	AO	DI	DO	AV	DV	SCHED	TREND	ALARM	GRAPHIC
OCCUPIED/UNOCCUPIED SCHED				X						X
BMS TEMPERATURE SETPOINT		X								X
ZONE TEMP SETPOINT					X				X	X
ZONE TEMP					X				X	X
SUPPLY AIR TEMP					X					X
IONIZATION DEVICE						X			X	X
OA DAMPER				X						

CHAINLINK FENCE NOTES

- MANUFACTURERS: ALLIED FENCE MFG CO; ALLIED TUBE & CONDUIT FENCE DIVISION; ANCHOR FENCE, INC; DAVIS WALKER CORPORATION; SOUTHEASTERN WIRE.
- POSTS, RAILS, FRAMES, AND BRACES: TYPE 1 (ROUND SECTIONS): SEAMLESS STEEL PIPE, ASTM A120, STANDARD WEIGHT SCHEDULE 40, SIZE AND WEIGHT AS SPECIFIED HEREIN. GALVANIZED PER ASTM F1083, GRADE E ZINC COATING OF 1.80Z/SF MINIMUM. ALL PIPE SHALL BE INTERNALLY AND EXTERNALLY GALVANIZED.
- INTERMEDIATE POSTS SHALL BE 2.375" OD, 3.65 LBS PER LINEAR FOOT. TOP RAILS SHALL BE 1.66" OD, 2.27 LBS PER LINEAR FOOT, NO JOINTS ALLOWED IN SECTIONS UNDER 18 FT.
- CORNER AND END POSTS SHALL BE 2.875" OD, 5.79 LBS PER LINEAR FOOT.
- GATE FRAMES SHALL BE 1.90" OD, 2.72 LBS PER LINEAR FOOT.
- GATE POSTS SHALL BE 4.0" OD, 9.10 LBS PER LINEAR FOOT.
- CHAIN LINK FABRIC: GALVANIZED STEEL, ASTM A392, 11 GAUGE, STEEL WIRE, TENSILE STRENGTH OF 75000 PSI. CLASS 2 ZINC-COATED (GALVANIZED) WIRE, HELICALLY WOUND AND WOVEN TO MESH FROM UNFINISHED GAUGE WIRE. WOVEN FABRIC SHALL BE A 1.75" MESH WITH KNUCKLED SELVAGES BOTH TOP AND BOTTOM. PULL FABRIC TAUT AND TIE TO POSTS (1.5" ON CENTER), RAILS (24" ON CENTER), AND TENSION WIRES.
- TENSION WIRE: 7 GAUGE WIRE, 0.177" DIAMETER ZINC COATED, 1.2 OZ/SF PER ASTM A824, TYPE II. PROVIDE AT BOTTOM OF FABRIC, ATTACHED AT 24" ON CENTER.
- FABRIC TO LINE POST, RAILS, BRACES, ETC TIES: 9 GAUGE STEEL WIRE WITH COATED PER ITEM 8.
- FABRIC TO TENSION WIRE: 11 GAUGE HOG RINGS, COATED PER ITEM 8. 6 GAUGE ZINC COATED WIRE FOR TYING TENSION WIRE TO POSTS.
- POST TOPS: PRESSED STEEL OR MALLEABLE IRON ZINC COATED, 1.8 OZ/SF MINIMUM. DRIVE FIT, WEATHERTIGHT CLOSURE FOR TUBULAR POSTS.
- STRETCHER BARS: HEAVY PRESSED STEEL OR MALLEABLE IRON, ZINC COATED, 2.0 OZ/SF PER ASTM A153. ONE PIECE LENGTHS EQUAL TO FULL HEIGHT OF FABRIC WITH A MINIMUM CROSS SECTION OF 3/16" X 3/4". PROVIDE ONE STRETCHER BAR FOR EACH GATE OR END POST AND TWO STRETCHER BARS FOR CORNER AND PULL POSTS. ATTACH WITH BANDS OR CLIPS SPACED AT 15" ON CENTER MAX.
- GATES: ASSEMBLE GATE FRAMES BY WELDING CONNECTIONS. WELD AREAS TO BE PROTECTED WITH ZINC-RICH PAINT PER ASTM A780. USE SAME FABRIC SPECIFIED FOR FENCE WITH STRETCHER BARS AT ALL EDGES. WIRE TIES AT TOP AND BOTTOM ARE ACCEPTABLE IF STRETCHER BARS ARE NOT USED. BRACE AS REQUIRED FOR RIGID FRAME WITH NO TWIST OR SAGGING.
- GATE HARDWARE: GALVANIZE PER ASTM A153. PRESSED STEEL OR MALLEABLE IRON HINGES, NON LIFT OFF TYPE, OFFSET TO PERMIT 180 DEGREE GATE OPENING. FORKED TYPE LATCH WITH PADLOCK EYE TO PERMIT OPERATION FROM EITHER SIDE OF GATE. PROVIDE DROP ROD TO HOLD INACTIVE LEAF OF DOUBLE GATES. DOUBLE GATES SHALL BE SECURED BY A SINGLE PADLOCK EYE.
- CONFORM TO ASTM F567 FOR INSTALLATION.
- PROVIDE END, CORNER, OR PULL POST AT EACH TERMINATION AND CHANGE IN HORIZONTAL OR VERTICAL DIRECTION OF 90 DEGREES OR MORE. SPACE LINE POSTS UNIFORMLY AT APPROXIMATELY 6 FT ON CENTER.
- DRILL OR DIG POST HOLES AT FOUR TIMES THE DIAMETER OF THE POST. RECESS POSTS 50" FOR FENCES 60" TALL OR LESS, 36" FOR FENCES GREATER THAN 60" AND LESS THAN 120", AND 42" FOR FENCES GREATER THAN 120" TALL.
- PROVIDE SLEEVES WITH ANCHOR LUGS FOR POSTS TO BE INSTALLED IN CONCRETE SLABS. GROUT POST SOLID IN SLEEVE WITH TOP OF GROUT SLOPING AWAY FROM POST FOR PROPER DRAINAGE.
- FENCE SHALL BE 5'-0" TALL WITH LAYOUT AND GATES AS INDICATED.



2 TYPICAL OUTDOOR EQUIPMENT YARD DETAIL
M2.1 SCALE: NONE



REVISIONS:				
NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:				
NO.	DESCRIPTION	DRAWN	CHECKED	DATE

JRA ARCHITECTS 2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 26876

CONSULTANTS:
David A. New, State of Florida
Professional Engineer
License No. 99195
This form has been digitally signed and sealed by David A. New on the date indicated here.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies. 4425 Citrus Street, Melbourne, Florida 32901
888.633.3647 Project Number: 201-001 Florida Certificate of Authorization: 2702 Date: 4, Nov, PE Florida License 99195

PROJECT:
**ROSENWALD SCHOOL PHASE I
BUILDING #2 REMODELING**

PANAMA CITY
SHEET TITLE:
**HVAC
CONTROLS**

SHEET NUMBER:
M2.1

LEGEND

	S or W	SOIL OR WASTE PIPING
	S or W(E)	EXISTING SOIL OR WASTE PIPING
	V	VENT PIPING
	V(E)	EXISTING VENT PIPING
	CW	COLD WATER SUPPLY PIPING
	CW	EXISTING COLD WATER SUPPLY PIPING
	HW	HOT WATER SUPPLY PIPING
	HW	EXISTING HOT WATER SUPPLY PIPING
	GAS	GAS (NATURAL/PROPANE)
	GAS	EXISTING GAS (NATURAL/PROPANE)
	CV	GATE VALVE
	CV	CHECK VALVE
	BV	BALL VALVE
	HB	HOSE BIBB
	WH	WALL HYDRANT
	CO	CLEANOUT TO FLOOR
	FD	FLOOR DRAIN
	COIG	CLEANOUT TO GRADE
	COAC	CLEANOUT ABOVE CEILING
	UNION	
	VTR	VENT THRU ROOF
		SHEET NOTE
		POINT OF CONNECTION TO EXISTING
	MR	MOP RECEPTOR
	WC	WATER CLOSET
	EWH	ELECTRIC WATER HEATER
	EWC	ELECTRIC WATER COOLER
	L	LAVATORY
	SS	SERVICE SINK
	KW	KIOWATT
	EW	EYE/FACE & SHOWER WASH
	TP	AUTOMATIC TRAP PRIMER
	WHA	TYPE "A" WATER HAMMER ARRESTER
	WHB	TYPE "B" WATER HAMMER ARRESTER
	WHC	TYPE "C" WATER HAMMER ARRESTER
	UH-L(M)	EQUIPMENT TAG, (M) INDICATES MECHANICAL EQUIPMENT. REFER TO M SHEETS

PLUMBING FIXTURE SPECIFICATIONS

WC-1 WATER CLOSET, FLOOR-MOUNT (ADULT HANDICAP, MANUAL VALVE)

VITREOUS CHINA, 1.28 GALLONS PER FLUSH, ELONGATED, HIGH EFFICIENCY SIPHON JET, WHITE, WATER SAVER BOWL WITH 1-1/2" TOP SHLD, 12" HIGH FOR HANDICAPPED, EXPOSED CHROME PLATE FLUSH VALVE, WITH SCREWDRIVER STOP, VACUUM BREAKER, QUIET FLUSH FEATURE, WITH SWEAT SOLDER KIT AND CAST WALL FLANGE, HEAVY MOLDED PLASTIC, WHITE, ELONGATED, OPEN FRONT SEAT, LESS COVER, WITH STAINLESS STEEL, SELF-SUSTAINING, CHECK, HINGES, HOLD CENTERLINE FLUSH VALVE ASSEMBLY OFF FINISH WALL FOR GRAB BAR CLEARANCES, COORDINATE WITH ARCHITECTURAL DRAWINGS.

WATER CLOSET VALVE SEAT CLOSET BOLT/WAX RING KIT

ZURN Z7665BW
ZURN Z600PLHET
BEMIS 19755SCT
Z5972-COMB

L-1 LAVATORY, WALL-MOUNT (HANDICAP)

VITREOUS CHINA 20" X 18", COLOR "WHITE", CENTER HOLE SETTING, FRONT OVERFLOW, FOR CONCEALED ARM SUPPORT, FURNISH FLOOR-MOUNTED SINGLE CARRIER WITH CONCEALED ARMS, LEVELING AND SECURING SCREWS, STRUCTURAL UPRIGHTS AND BLOCK BASES, SECURE BASE TO FLOOR FOR RIGID CONNECTION WITH 1/2" X 3/32" THREADED ZINC PLATED STEEL HEAVY DUTY WEDGE ANCHORS, COMPLETE WITH STAINLESS STEEL CLIP, WASHER AND THREADED NUT, CONFORMING TO FEDERAL SPEC. FF-5-325. PROVIDE CHROME PLATED 1/2" IPS X 3/8" OD, LOOSE KEY OPERATED, ANGLE STOP TO WALL WITH CHROME PLATED 3/8" FLEXIBLE COPPER RISERS, INTEGRAL PERFORATED CAST BRASS STRAINER WITH ELBOW AND 1-1/4" OFFSET TAILPIECE, CHROME PLATED 1/2" GALV. CAST BRASS P-TRAP WITH CLEANOUT AND TUBE WASTE TO WALL, POLISHED CHROME PLATED CAST BRASS SINGLE WATER METERING FAUCET WITH COVER PLATE, 0.5 GPM AERATOR OUTLET AND PUSH BUTTON, LAVATORY P-TRAP AND ANGLE VALVE ASSEMBLIES SHALL BE INSULATED WITH FULLY MOLDED INSULATION KIT, AND LIGHT GRAY COLOR WITH 3-PIECE INTERLOCKING RAP ASSEMBLY AND 2-PIECE INTERLOCKING ANGLE VALVE ASSEMBLY. FASTENERS SHALL BE NYLON-TYPE SUPPLIED WITH KIT. LAVATORY SHALL BE MOUNTED WITH A CLEARANCE OF AT LEAST 28" FROM FLOOR TO BOTTOM OF THE APRON, KNEE AND TOE CLEARANCES SHALL BE AS FOLLOWS: 27" CLEAR HEIGHT SHALL BE PROVIDED FROM FINISHED FLOOR TO A POINT ON UNDERSIDE OF BOWL 18" IN FROM FRONT APRON. TOE CLEARANCE SHALL BE A MINIMUM HEIGHT OF 9" UNDER P-TRAP AND SUPPLIES OR STOPS. SEE ARCHITECTURAL DRAWINGS FOR FINAL MOUNTING HEIGHT. PROVIDE WATER SAVER TRAP PRIMER P-TRAP WITH CLEANOUT.

LAVATORY FAUCET SUPPLY W/STOP P-TRAP STRAINER/TAIPIECE INSULATION KIT CARRIER BASE ANCHORAGE

ZURN Z5741
ZURN Z-86500-3M
ZURN Z8602RLK-PC
ZURN Z-8700PC
ZURN Z8746
OATEY DEARBORN ADA100
ZURN Z-1231
B-LINE ANCHORS AWA-50-375

MR-1 SERVICE SINK (FLOOR TYPE)

24" X 24" X 12" DEEP, FLOOR MOUNT, NEO-CORNER, TERRAZZO WITH 20 GAUGE STAINLESS STEEL INTEGRAL CAST CAP, 3" CAST BRASS OUTLET DRAIN WITH STAINLESS STEEL STRAINER, ROUGH CHROME PLATED 8" FAUCET WITH TOP BRACE, STRAIGHT LEVER HANDLES, SWIVEL INLETS, BUCKET HOOK, VACUUM BREAKER, STOPS AND HOSE END, CHROME PLATED LOOSE KEY ANGLE STOP TO WALL WITH 3/8" CHROME PLATED FLEXIBLE HOT AND COLD WATER SUPPLIES.

SINK FAUCET SUPPLY

ACORN TNC-32
ZURN Z843 M1 RC
ZURN Z8600-RLK

EWC-1 ELECTRIC WATER COOLER (DUAL PURPOSE/TWO LEVELS/BOTTLE STATION)

WALL MOUNT, DUAL-PURPOSE UNIT, SELF-CONTAINED ELECTRIC WATER COOLER WITH SENSOR-ACTIVATED BOTTLE FILLING STATION, FURNISH FLOOR MOUNTED TWO LEVELS DOUBLE CARRIER WITH BEARING PLATE, HANGAR PLATE, ADJUSTABLE SUPPORTING RODS, STRUCTURAL UPRIGHTS AND BLOCK BASES, SECURE TO FLOOR WITH 1/2" BOLTS AND ANCHORS, UNIT TO BE COMPLETE WITH HERMETIC AIR COOLED REFRIGERATION SYSTEM, COOLER PRE-COOLER, THERMOSTAT SAFETY CONTROLS, CONDENSER FAN MOTOR, SILVER ION ANTIMICROBIAL PROTECTION ON KEY PLASTIC COMPONENTS, FLEXI-GUARD SAFETY BUBBLER, VERMIN PROOF INSULATION, HEAVY GAUGE STEEL CABINET, MOISTURE RESISTANT FINISH, QUIET OPERATION, TOP OF COOLER SHALL BE NO. 3 SATIN FINISH STAINLESS STEEL, COOLER CAPACITY SHALL BE 8.0 GPM, LAMINAR FLOW, VISUAL FILTER MONITOR, COOLING 80-DEGREE F WATER TO 50 DEGREE F, PROVIDE ONE-YEAR WARRANTY ON ENTIRE COOLER, PROVIDE CHROME PLATED STOP TO WALL WITH CHROME PLATED 3/8" FLEXIBLE SUPPLY, PROVIDE 1-1/2" CHROME PLATED 1/2" GALV. CAST BRASS P-TRAP WITH CLEANOUT, CHROME PLATED LOOSE KEY ANGLE STOP TO WALL WITH 3/8" CHROME PLATED FLEXIBLE HOT AND COLD WATER SUPPLIES, 115V/60HZ, SINGLE PHASE, 3 FULL LOAD AMPS, 570 RATED WATS, HERMETICALLY SEALED RECIPROCATING COMPRESSOR, VERIFY FINAL LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS, FINISH TO BE SELECTED BY ARCHITECT, CERTIFIED TO NSF/ANSI 42, 53, 61, & 372, UL 399 REQUIREMENTS.

EDF TRAP SUPPLIES CARRIER

ELKAY LZ518WSP
ZURN Z-8702-PC
ZURN Z-8600K
ZURN Z1225 RL

IWH-1 INSTANTANEOUS WATER HEATER

ELECTRIC, TANKLESS WATER HEATER, LOW FLOW ACTIVATION AT 0.5 GPM WITH STAINLESS STEEL HEAT EXCHANGER AND SHEATHED COPPER HEATING ELEMENTS, CONNECT WITH 3/4" COPPER PIPE AT INLET AND OUTLET, PROVIDE WITH FLOW CONTROL AND FLOW SWITCH DEVICES, ALL PARTS SHALL BE FIELD REPLACEABLE. REFER TO ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS, 24KW, 208V/3 PHASE 2 GPM @60 DEGREE RISE.

WATER HEATER

EEMAX PROSERIES XTP024208

FD FLOOR DRAIN

DURA-COATED CAST IRON BODY, BOTTOM OUTLET AND TRAP PRIMER CONNECTION, TYPE B POLISHED NICKEL BRONZE STRAINER, MEMBRANE CLAMP & ADJUSTABLE COLLAR WITH SLOTS.

FLOOR DRAIN

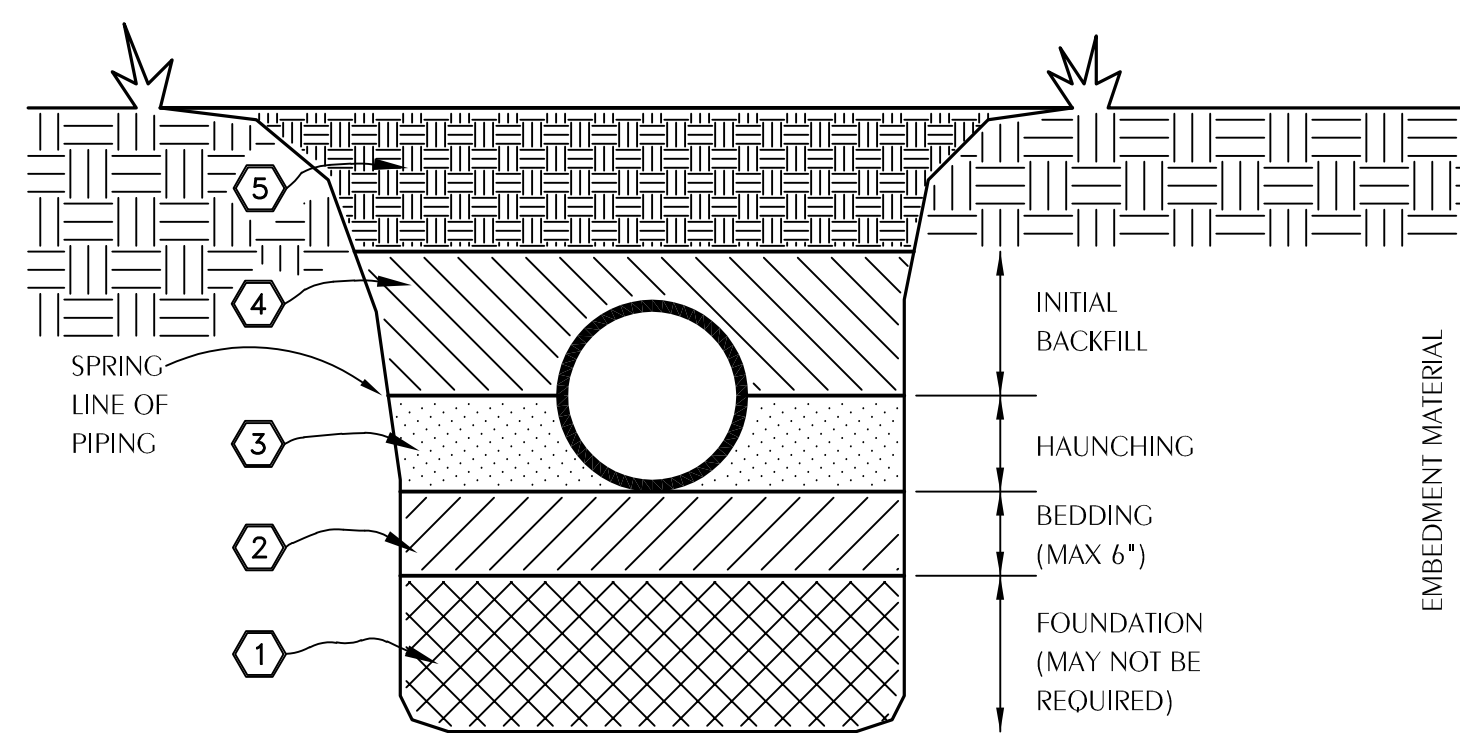
ZURN Z-415B-P

TP TRAP PRIMER

PRESSURE DROP ACTIVATED TRAP PRIMER WITH LEAD FREE BRASS BODY, EPDM E70 O-RINGS, #60 STAINLESS STEEL MESH SCREEN, REQUIRES 3 PSI PRESSURE DROP ACROSS THE VALVE TO ACTIVATE, PROVIDE WITH ACCESSORY DU-U DISTRIBUTION UNIT AND ACCESS COVER AS INDICATED ON DETAIL 5/P-1-0.

TRAP PRIMER DISTRIBUTION UNIT

PPP, INC. PR-500
PPP, INC. DU-U

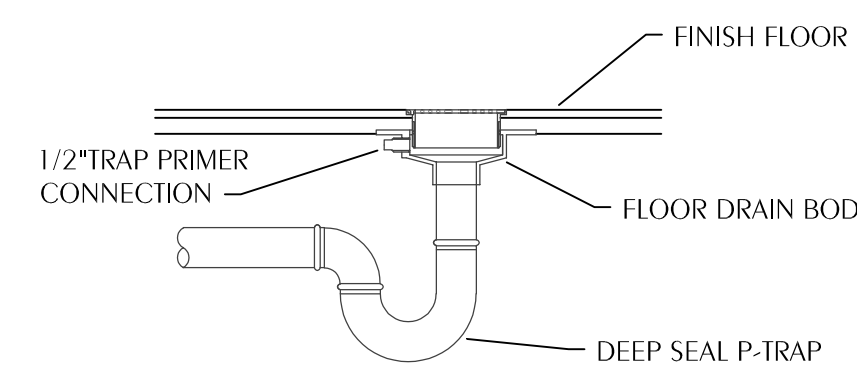


EMBEDMENT MATERIALS

- CLASS I: ANGULAR, 1/4"-1-1/2", GRADED STONE, INCLUDING A NUMBER OF FILL MATERIALS THAT HAVE REGIONAL SIGNIFICANCE SUCH AS CORAL, SLAG, CINDERS, CRUSHED STONE AND CRUSHED SHELLS.
- CLASS II: COARSE SANDS AND GRAVELS WITH MAXIMUM PARTICLE SIZE OF 1-1/2" INCLUDING VARIOUS GRADED SANDS AND GRAVELS CONTAINING SMALL PERCENTAGES OF FINES, GENERALLY GRANULAR AND NON-COHESIVE, EITHER WET OR DRY. SOIL TYPES CW, CP, SW, AND SP ARE INCLUDED IN THIS CLASS.
- CLASS III: FINE SAND AND CLAY GRAVELS, INCLUDING FINE SANDS, SAND-CLAY MIXTURES AND GRAVEL-CLAY MIXTURES. SOIL TYPES GM, GC, SM, AND SC ARE INCLUDED IN THIS CLASS.
- CLASS IV: SILT, SILTY CLAYS, AND CLAYS, INCLUDING INORGANIC CLAYS AND SILT OF MEDIUM TO HIGH PLASTICITY AND LIQUID LIMITS. SOIL TYPES MH, ML, CH, AND CL ARE INCLUDED IN THIS CLASS. THESE MATERIALS ARE NOT TO BE USED FOR BEDDING, HAUNCHING, OR INITIAL BACKFILL.
- CLASS V: THIS CLASS INCLUDES THE ORGANIC SOILS, AS WELL AS SOILS CONTAINING FROZEN EARTH, DEBRIS, ROCKS LARGER THAN 1-1/2" IN DIAMETER AND OTHER FOREIGN MATERIALS. THESE MATERIALS ARE NOT TO BE USED FOR BEDDING, HAUNCHING, OR INITIAL BACKFILL.

1 EXCAVATION AND BACKFILL DETAIL

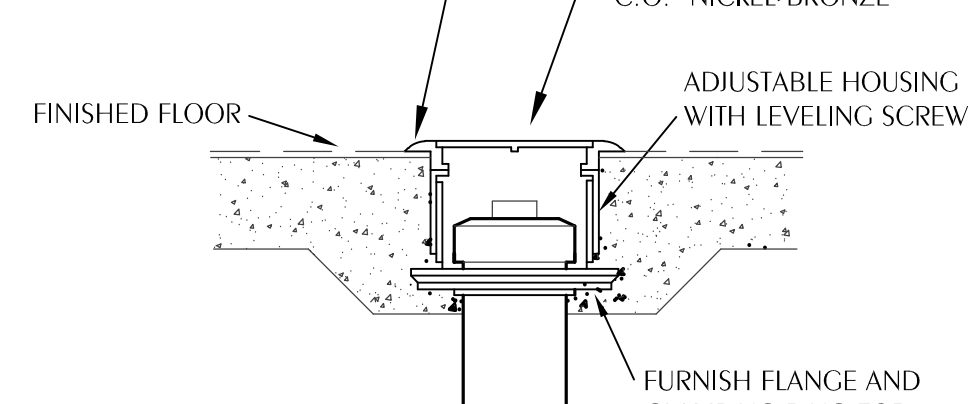
PO.1 SCALE: NONE



3 FLOOR DRAIN WITH TRAP PRIMER DETAIL

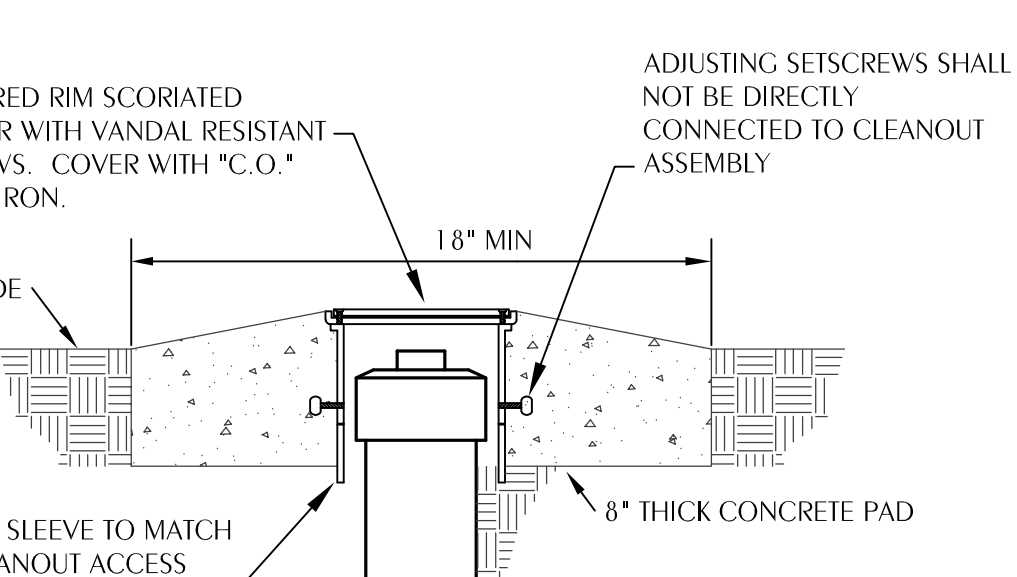
PO.1 SCALE: NONE

NOTE: PROVIDE NICKEL BRONZE ADJUSTABLE CARPET FRAME COVER IN AREAS WHERE FINAL FLOOR FINISH CONSISTS OF CARPETING. COORDINATE WITH ARCHITECTURAL DWGS FOR FINAL FLOOR FINISH.



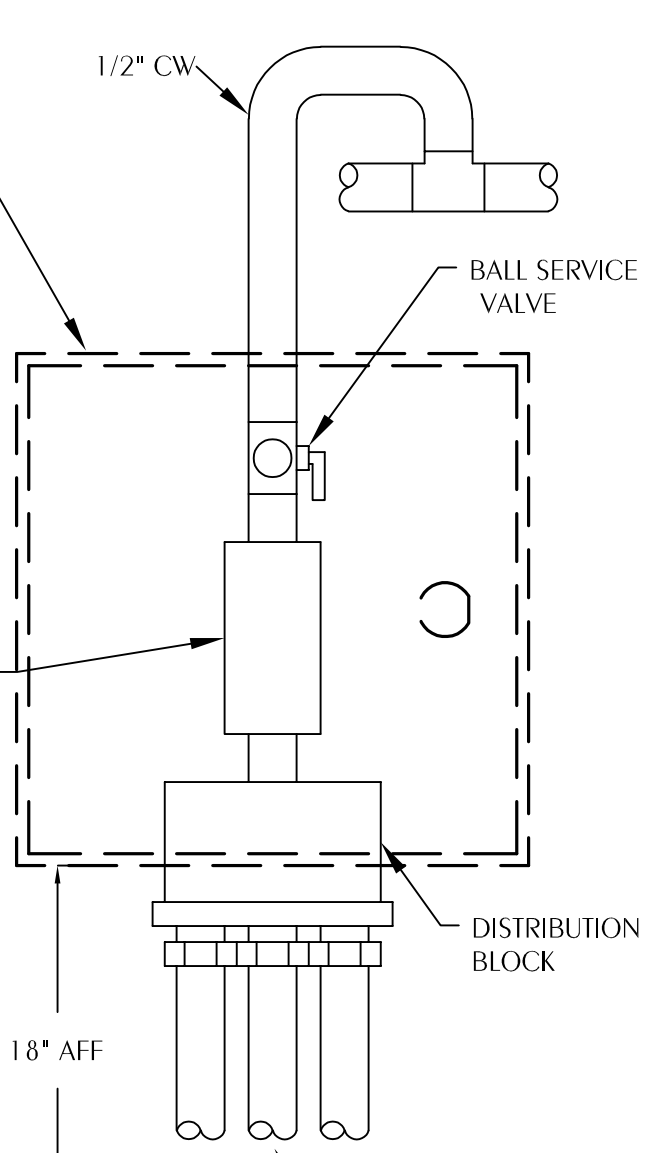
5 CLEANOUT TO FLOOR

PO.1 SCALE: NONE



6 CLEANOUT TO GRADE

PO.1 SCALE: NONE

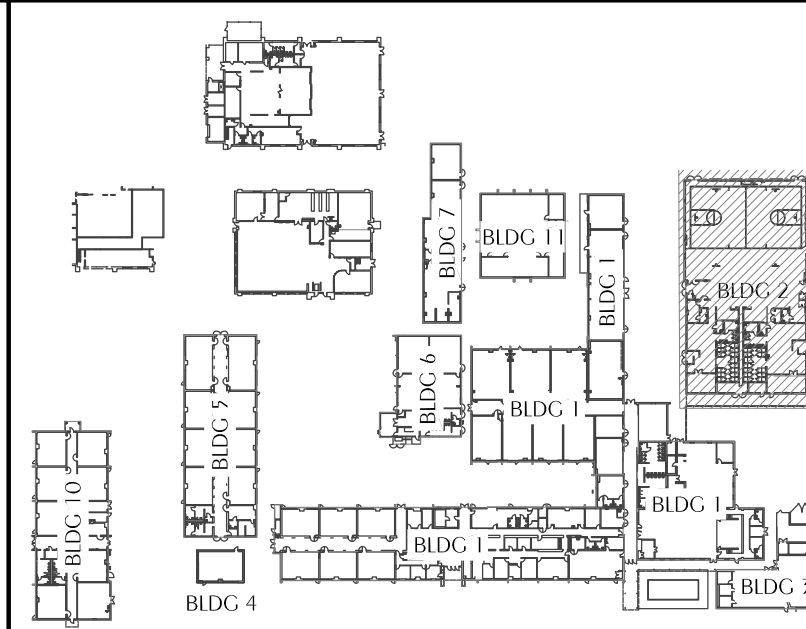


7 TRAP PRIMER DETAIL

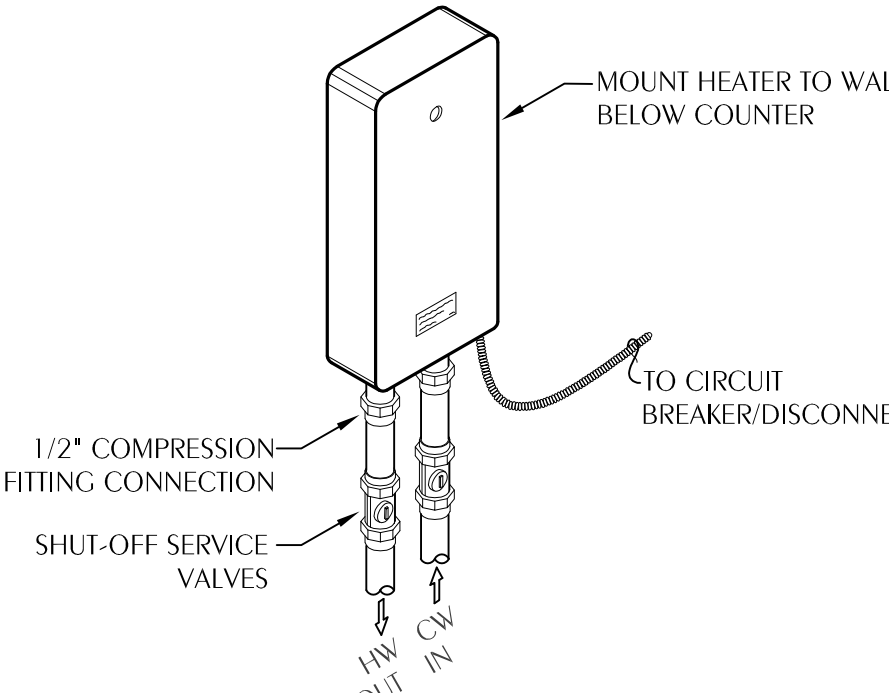
PO.1 SCALE: NONE

PLUMBING GENERAL NOTES

- COORDINATE ALL PIPING WITH DUCTWORK SHOP DRAWINGS. ROUTE PIPING AS REQUIRED TO AVOID CONFLICTS.
- PRIOR TO START OF ANY WORK, COORDINATE SANITARY SEWER AND POTABLE WATER PIPING WITH CIVIL DRAWINGS.
- FIELD VERIFY PIPE INVERTS PRIOR TO LAYING OUT SANITARY SEWER PIPING.
- ALL PIPING PASSING THROUGH WALLS SHALL HAVE A SLEEVE PER SPECIFICATIONS.
- ALL PIPING PASSING THROUGH FIRE-RATED WALLS SHALL HAVE A FIRE-RATED SLEEVE PER SPECIFICATIONS.
- ALL PIPING INDICATED IS ABOVE THE CEILING EXCEPT THE OBVIOUS SANITARY SOIL, WASTE, VENT AND POTABLE WATER PIPING BELOW FLOOR OR GRADE.
- SEE TOILET ROOM ELEVATIONS ON ARCHITECTURAL DRAWINGS FOR PLUMBING FIXTURE MOUNTING HEIGHT.
- COORDINATE LOCATION OF ALL FLOOR DRAINS SERVING HVAC EQUIPMENT WITH HVAC EQUIPMENT SHOP DRAWINGS.
- UNDER SLAB SOIL, WASTE AND VENT PIPING PASSING TO UNDERSIDE OR THROUGH FOUNDATION FOOTING, WALL OR GRADE BEAM SHALL BE PROVIDED WITH A RELIEVING ARCH OR PIPE SLEEVE 2 (TWO) PIPE SIZES GREATER THAN PIPE SIZE INDICATED ON PLANS. COORDINATE FINAL PIPE ROUTING AND LAYOUT WITH STRUCTURAL DRAWINGS.
- PRIOR TO SUBSTANTIAL COMPLETION OF NEW WORK AREAS, CONTRACTOR SHALL HAVE SANITARY PLUMBING SYSTEM CLEARED OF DEBRIS OR ANY MATTER THAT WOULD INTERFERE OR PREVENT ADEQUATE CONVEYANCE OF MATERIALS FROM MOVING THROUGH AND TERMINATING INTO BUILDING OR PUBLIC DISPOSAL FACILITIES.
- ALL (VTR'S) VENT THRU ROOF PENETRATIONS INDICATED ON PLANS ARE PRELIMINARY. FINAL LOCATIONS SHALL BE COORDINATED WITH ALL TRADES. ALL VTR'S SHALL BE A MINIMUM OF 10'-0" FROM ALL FRESH AIR INTAKE OPENINGS.
- ALL PIPING PENETRATIONS THROUGH WALLS OR FLOORS SHALL BE SEALED TO EQUAL THE RATING OF THE WALLS OR FLOORS.
- ALL TRAP PRIMERS AND DOMESTIC WATER ISOLATION VALVES SHALL BE ACCESSIBLE. TRAP PRIMERS LOCATED IN THE VICINITY OF WATER CLOSETS SHALL BE ACTIVATED BY WATER CLOSET USAGE. ISOLATION VALVES SHALL BE OF THE QUARTER TURN BALL OR GATE TYPE.
- ALL COMPONENTS OF PLUMBING SYSTEMS ARE TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS AND THE REQUIREMENTS OF THE 2023 FLORIDA BUILDING CODE (8TH EDITION).
- CONTRACTOR SHALL DEVELOP COORDINATION SHOP DRAWINGS WHICH IDENTIFY ROUTING OF PLUMBING PIPE AND LOCATION OF EQUIPMENT. SHOP DRAWINGS SHALL INDICATE COORDINATION WITH THE WORK OF OTHER TRADES.
- ALL WORK SHALL COMPLY WITH FEMA P-361 AND ICC 500 REQUIREMENTS FOR HURRICANE AND TORNADO SHELTERS.



KEYPLAN SCALE: NTS

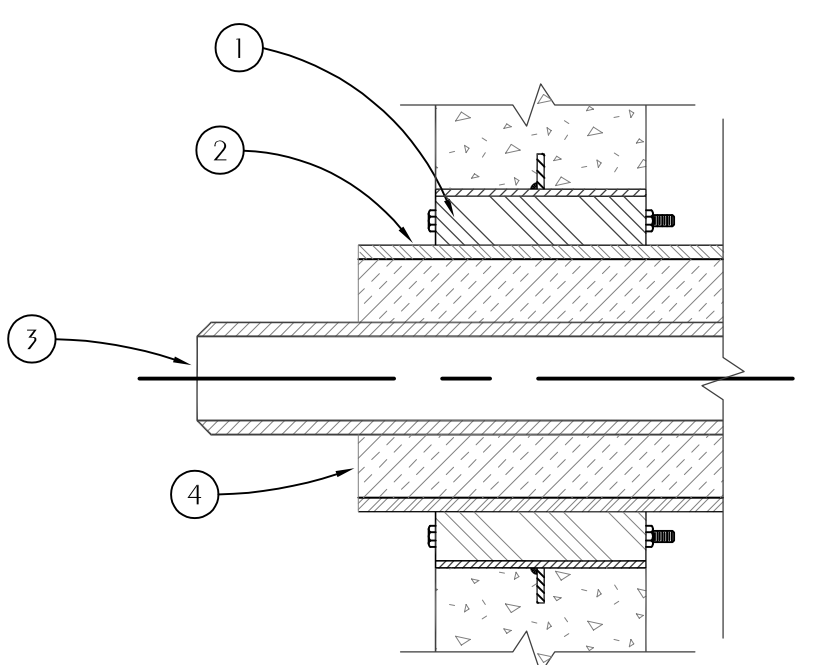


2 INSTANTANEOUS WATER HEATER DETAIL

PO.1 SCALE: NONE

MARK	FIXTURE	PIPE SIZES-INCHES		
		CW	HW	W
WC-1	WATER CLOSET	1	-	4
L-1	LAVATORY	3/8	-	1-1/4
MR-1	MOP RECEPTOR	1/2	1/2	3
EWC-1	ELECTRIC WATER COOLER	1/2	-	1-1/2
IWH-1	ELECTRIC WATER HEATER	3/4	3/4	-
TP-1	TRAP PRIMER	1/2	-	-

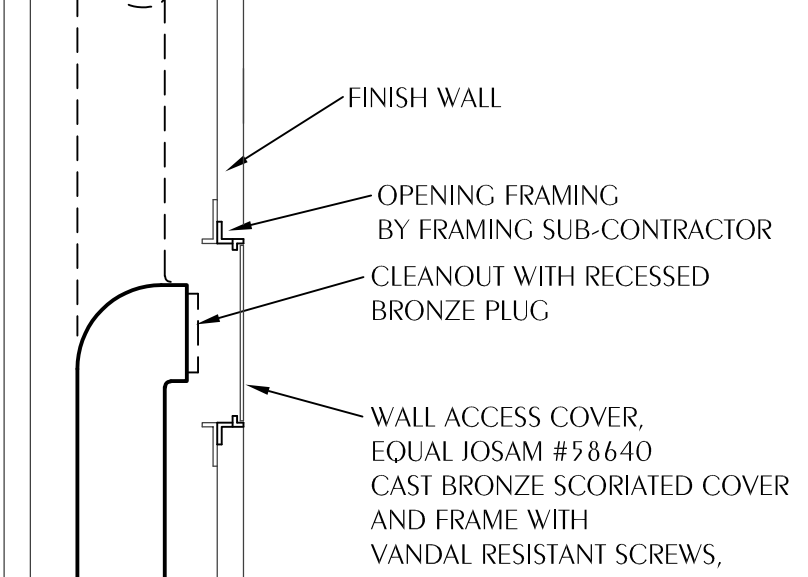
- WATER SUPPLY TAPPING TO EACH PLUMBING FIXTURE SHALL BE FULL SIZE (MINIMUM).
- SEE ELECTRICAL DWGS FOR FINAL POWER REQUIREMENTS.
- PROVIDE WATER HAMMER ARRESTERS ON HOT & COLD WATER SUPPLY BRANCHES SERVING SINGULAR, MULTIPLE OR GROUPS OF PLUMBING FIXTURES. ADHERENCE TO THE PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I.-WH201 (PER SPECIFICATIONS) SHALL BE EMPLOYED IN DETERMINING PROPER SIZE, SELECTION, PLACEMENT, LOCATION AND INSTALLATION OF ARRESTERS.



- WALL SEAL APPURTENANCES PER SPECIFICATIONS
- PIPE SLEEVE PER SPECIFICATIONS
- PIPING
- INSULATION

4 TYPICAL PIPE PENETRATION OF WALL

PO.1 SCALE: NONE



8 CLEANOUT TO WALL

PO.1 SCALE: NONE

REVISIONS:

NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:

SCHEMATIC DESIGN	TLC	DAN	04/09/26
BID DOCUMENTS - GFM	TLC	DAN	04/15/26
CONSTRUCTION DOCUMENTS	TLC	DAN	05/01/26

JRA ARCHITECTS 2211 NAVY BLVD., STE 100 PANAMA CITY BEACH, FL PHONE: (850) 236-9832 Commission Number: 26876

CONSULTANTS: David A. New, State of Florida, Professional Engineer, License No. 98195

PROFESSIONAL SEAL AND SIGNATURE OF ARCHITECT

PROJECT:

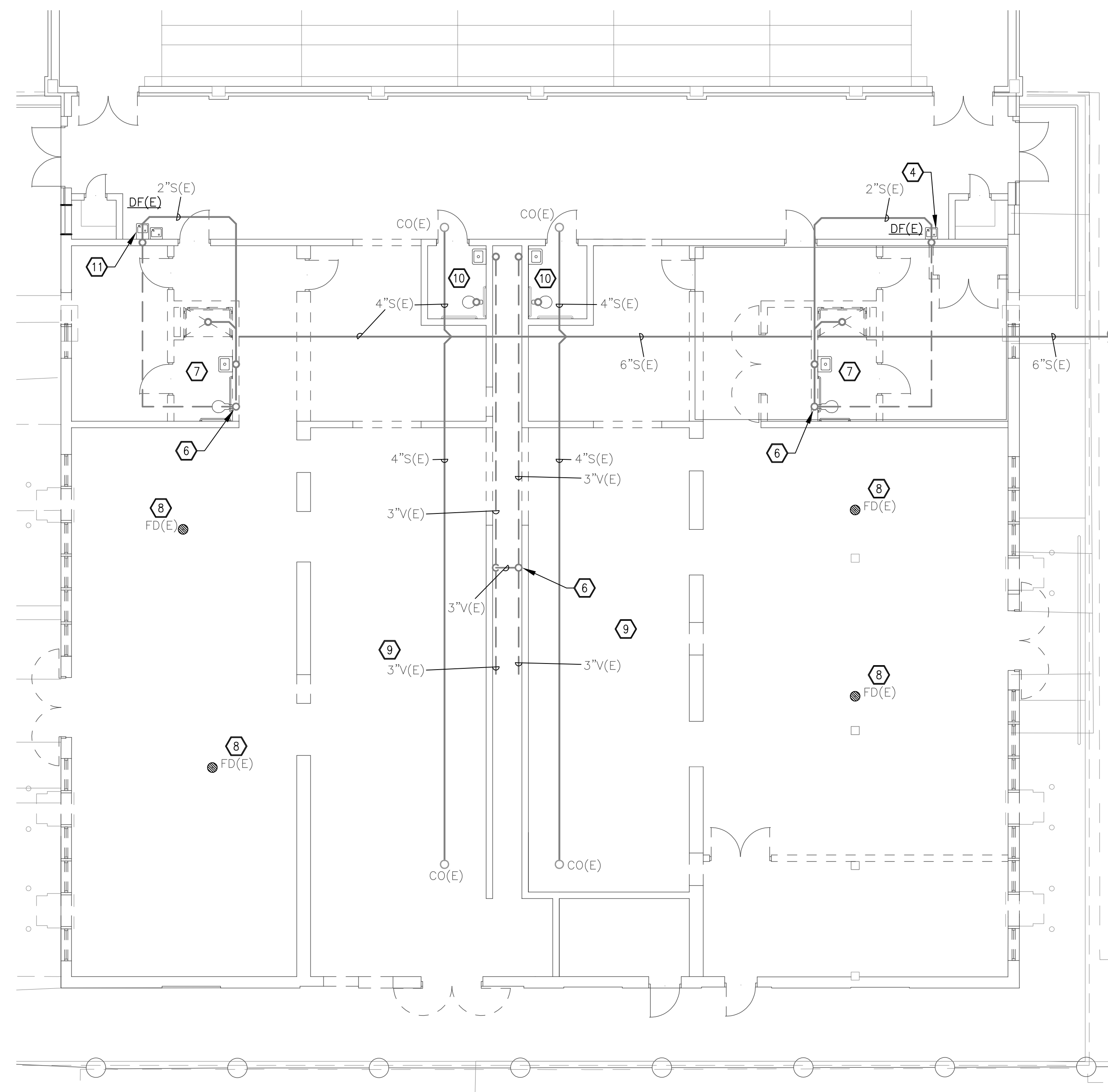
ROSENWALD SCHOOL PHASE I BUILDING #2 REMODELING

PANAMA CITY PLUMBING LEGEND, SCHEDULE, DETAILS, AND NOTES

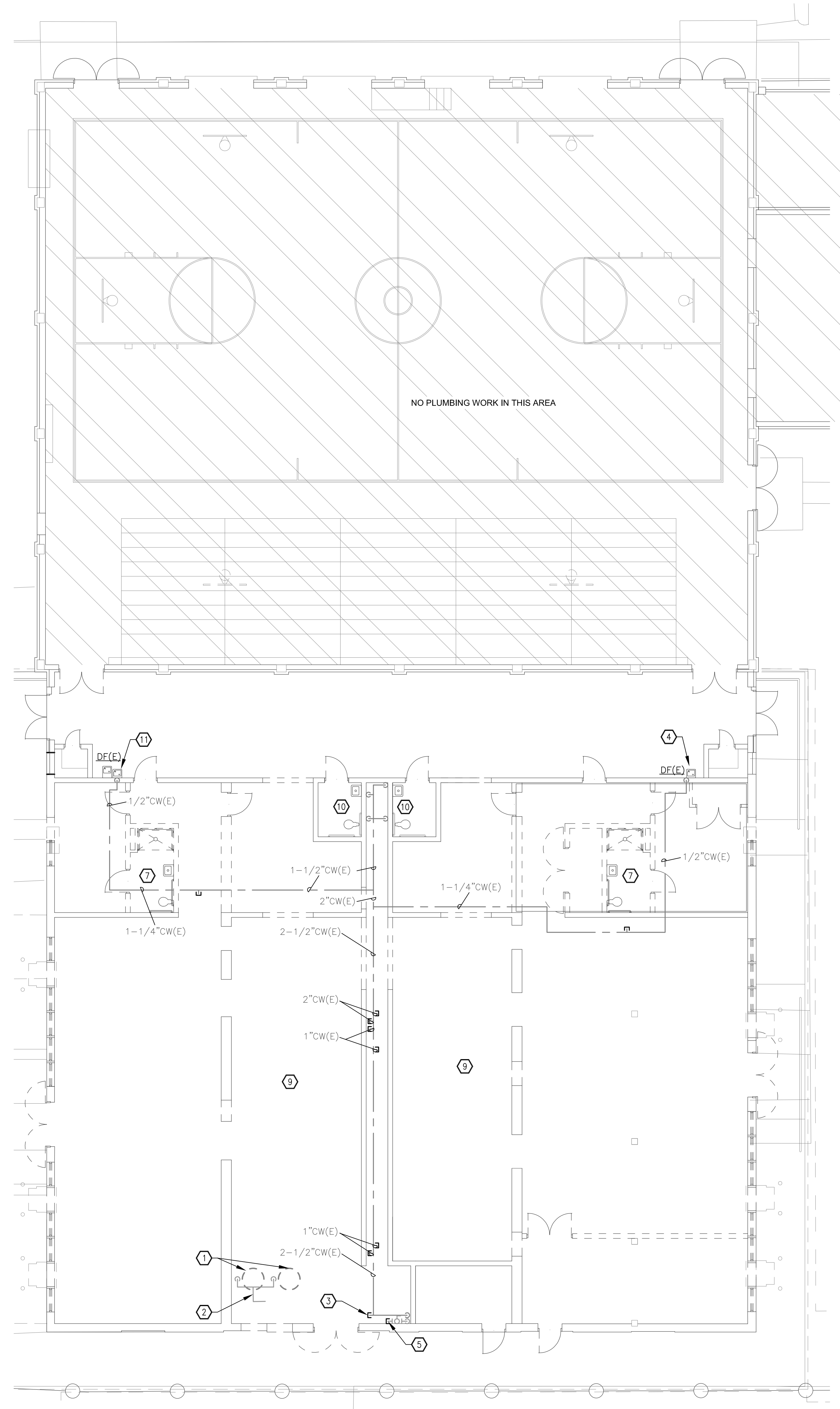
SHEET NUMBER: PO.1

SHEET NOTES

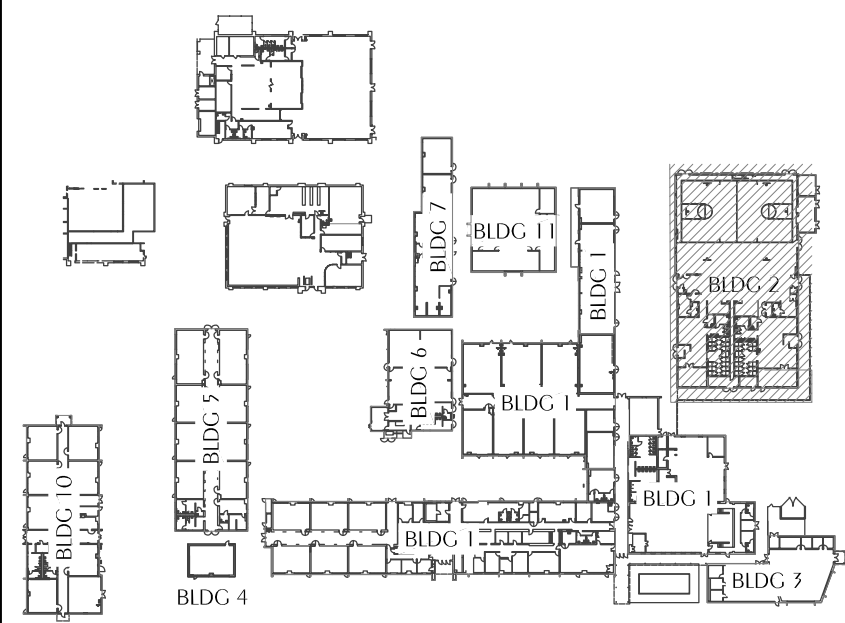
- 1 REMOVE EXISTING WATER HEATERS AND CIRCULATOR PUMP.
- 2 REMOVE ALL EXISTING HOT WATER PIPING ABOVE CEILING, IN MECHANICAL ROOM.
- 3 REMOVE EXISTING COLD WATER ABOVE CEILING IN MECHANICAL ROOM TO TEE OFF 2-1/2" COLD WATER AS SHOWN AND CAP. FIELD VERIFY LOCATION AND SIZE.
- 4 EXISTING DRINKING FOUNTAIN TO REMAIN. EXISTING 1/2" COLD WATER AND 1-1/2" VENT, AND 2" SANITARY TO REMAIN.
- 5 REMOVE EXISTING GAS PIPING AND CAP AS SHOWN.
- 6 EXISTING 4" VTR TO REMAIN. PREPARE FOR CONNECTION TO NEW WORK. FIELD VERIFY LOCATION.
- 7 REMOVE EXISTING PLUMBING FIXTURES AND PIPING IN THIS AREA. CAP EXISTING WASTE BELOW SLAB. REMOVE EXISTING HOT AND TEMPERED WATER ABOVE CEILING. REMOVE EXISTING COLD WATER ABOVE CEILING TO POINT SHOWN CAP. REMOVE EXISTING VENT PIPING TO POINT SHOWN CAP. EXISTING VTR TO REMAIN. FIELD VERIFY LOCATION, SIZE AND CONDITION OF EXISTING COLD WATER AND VENT PIPING.
- 8 REMOVE EXISTING FLOOR DRAINS AND CAP BELOW SLAB. FIELD VERIFY LOCATIONS.
- 9 REMOVE EXISTING PLUMBING FIXTURES AND PIPING IN THIS AREA. CAP EXISTING WASTE BELOW SLAB. REMOVE EXISTING HOT AND TEMPERED WATER ABOVE CEILING. REMOVE EXISTING COLD WATER ABOVE CEILING TO MAIN IN PLUMBING CHASE. CAP AS SHOWN AND PREPARE FOR CONNECTION TO NEW WORK. REMOVE EXISTING VENT PIPING UP TO 2" VENT MAIN RUNNING IN PLUMBING CHASE TO EXISTING 4" VTR AND PREPARE FOR CONNECTION TO NEW WORK. FIELD VERIFY LOCATION, SIZE AND CONDITION OF EXISTING COLD WATER AND VENT PIPING.
- 10 REMOVE EXISTING WATER CLOSET AND LAVATORY. EXISTING COLD WATER, VENT, AND SANITARY TO REMAIN. PREPARE FOR CONNECTION TO NEW FIXTURES IN SAME LOCATION. REFER TO NEW WORK.
- 11 REMOVE EXISTING DRINKING FOUNTAIN. EXISTING 1/2" COLD WATER AND 1-1/2" VENT, AND 2" SANITARY TO REMAIN. PREPARE FOR CONNECTION TO NEW ELECTRIC WATER COOLER IN SAME LOCATION. REFER TO NEW WORK.



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



2 PLUMBING DEMOLITION PLAN - DOMESTIC WATER
SCALE: 1/8" = 1'-0"



REVISIONS:				
NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:			
	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN	TLC	DAN	04/09/16
BID DOCUMENTS - GFM	TLC	DAN	04/15/16
CONSTRUCTION DOCUMENTS	TLC	DAN	05/01/16

JRA ARCHITECTS 2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 26876

WATFORD ENGINEERING
Professional Engineer
License No. 99195
This form has been digitally signed and sealed by David A. Watford on the date indicated here.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
4452 Citrus Street, Melbourne, Florida 32905 Phone: (321) 255-1111 Florida Certificate of Authorization 27825
800.533.3447 Project Number: 201-001 Date: 4, Nov. PE Florida License 99195

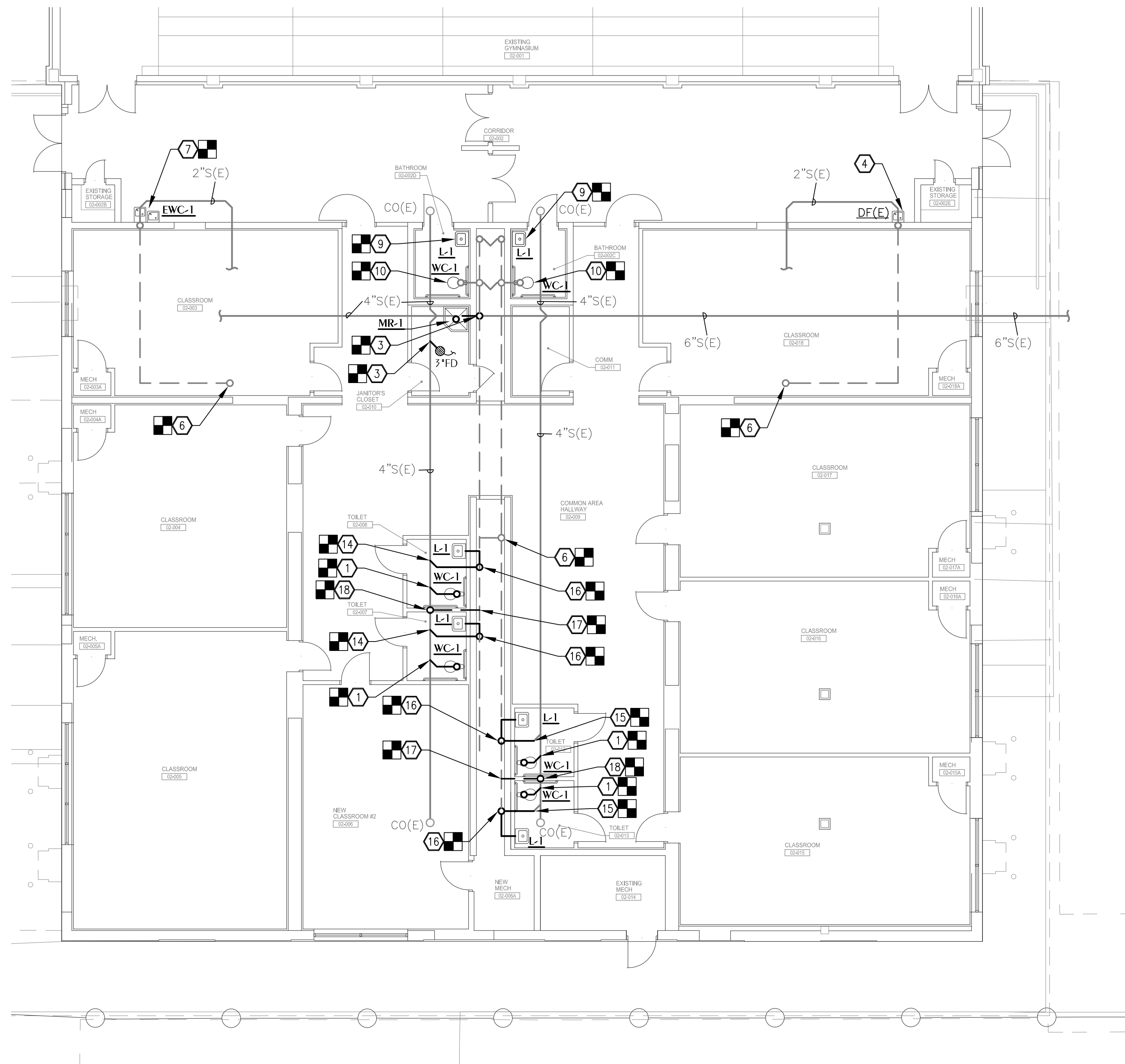
PROJECT:
ROSENWALD SCHOOL PHASE I BUILDING #2 REMODELING

PANAMA CITY
SHEET TITLE:
PLUMBING DEMOLITION PLAN

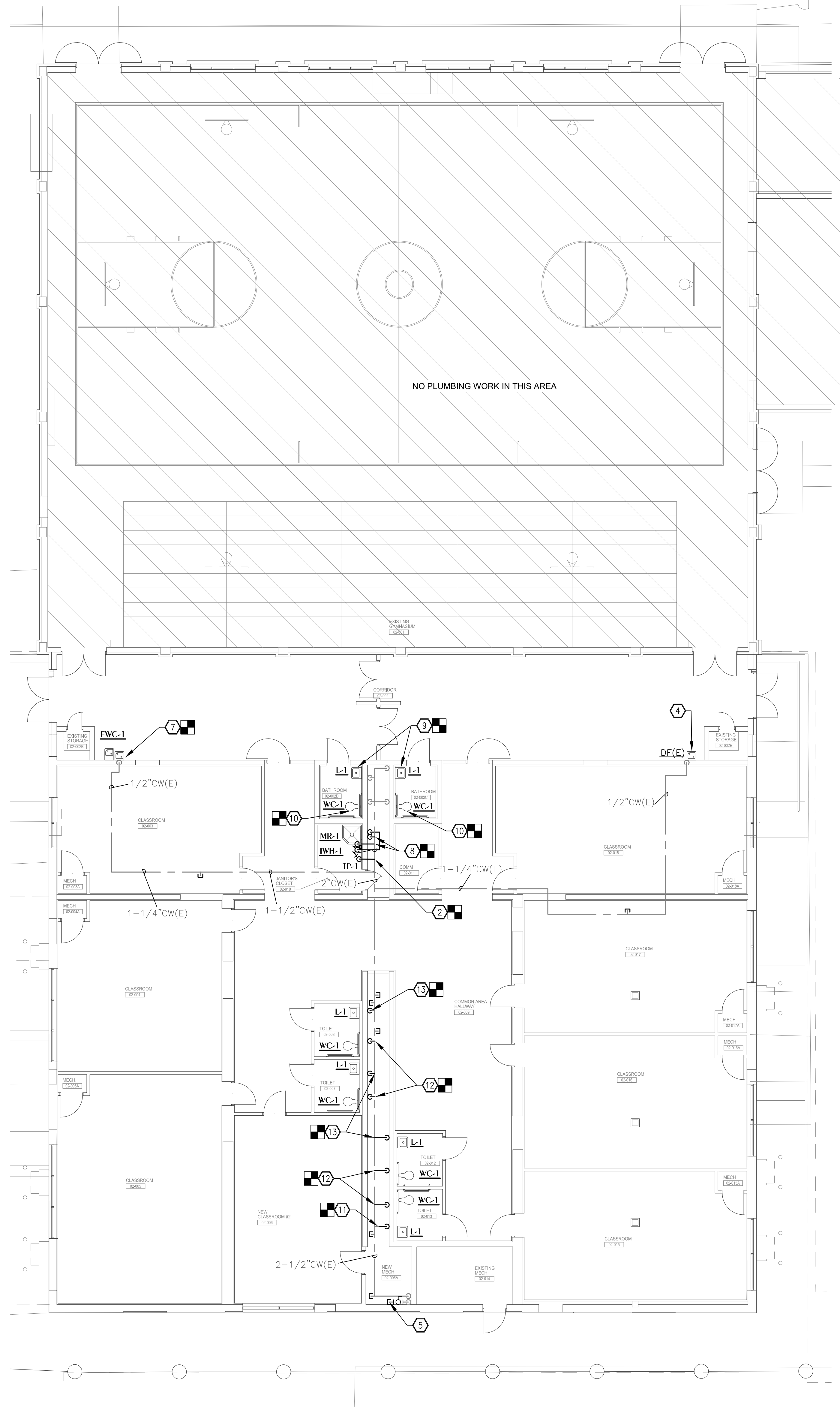
SHEET NUMBER:
P1.0

SHEET NOTES

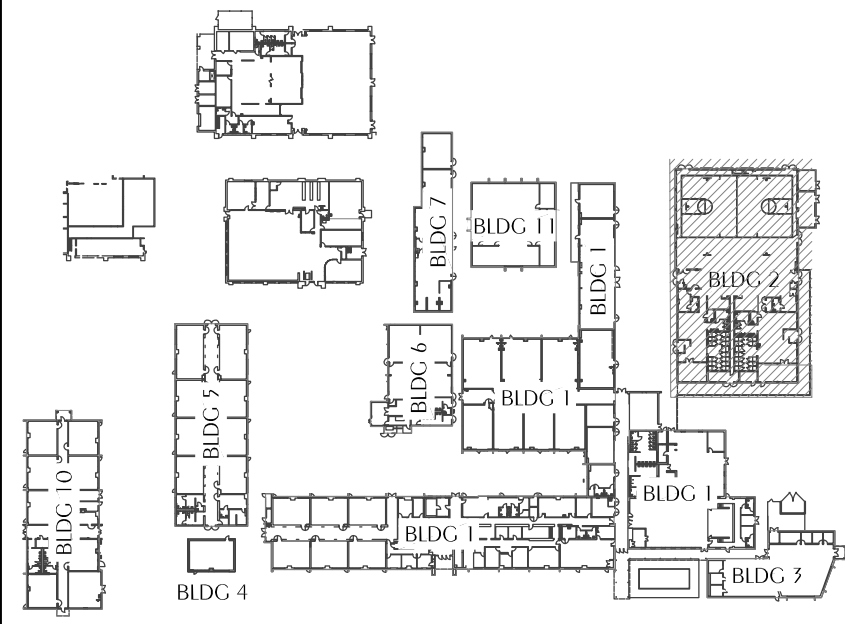
- 1 CONNECT NEW 4" SANITARY TO EXISTING 4" SANITARY. FIELD VERIFY EXISTING PIPE SIZE.
- 2 CONNECT NEW 1/2" COLD WATER TO EXISTING 1-1/2" COLD WATER IN PLUMBING CHASE. FIELD VERIFY EXISTING PIPE.
- 3 CONNECT NEW 3" SANITARY TO EXISTING 4" SANITARY. FIELD VERIFY LOCATION AND SIZE.
- 4 EXISTING DRINKING FOUNTAIN TO REMAIN.
- 5 CAPPED EXISTING GAS PIPING.
- 6 EXISTING 4" VTR TO REMAIN PREPARE FOR CONNECTION TO NEW WORK. FIELD VERIFY LOCATION AND SIZE.
- 7 NEW ELECTRIC WATER COOLER CONNECT TO EXISTING 2" SANITARY, 1-1/2" VENT AND 1/2" COLD WATER IN WALL.
- 8 CONNECT NEW 3/4" COLD WATER TO EXISTING 1-1/2" COLD WATER. FIELD VERIFY EXISTING PIPE SIZE.
- 9 CONNECT NEW L-1 TO EXISTING SANITARY AND COLD WATER.
- 10 CONNECT NEW WC-1 TO EXISTING SANITARY AND COLD WATER.
- 11 CONNECT NEW 1/2" COLD WATER TO EXISTING 1" COLD WATER TEE.
- 12 CONNECT NEW 1-1/4" COLD WATER TO EXISTING 2-1/2" COLD WATER IN PLUMBING CHASE. FIELD VERIFY EXISTING PIPE.
- 13 CONNECT NEW 1/2" COLD WATER TO EXISTING 2-1/2" COLD WATER IN PLUMBING CHASE. FIELD VERIFY EXISTING PIPE.
- 14 CONNECT NEW 2" SANITARY TO EXISTING 4" SANITARY. FIELD VERIFY LOCATION AND SIZE.
- 15 CONNECT NEW 2" SANITARY TO EXISTING 2" SANITARY. FIELD VERIFY LOCATION AND SIZE.
- 16 CONNECT NEW 2" VENT TO EXISTING 2" VENT OR LARGER IN PLUMBING CHASE. FIELD VERIFY LOCATION AND SIZE.
- 17 CONNECT NEW 2-1/2" VENT TO EXISTING 2-1/2" VENT OR LARGER IN PLUMBING CHASE. FIELD VERIFY LOCATION AND SIZE.
- 18 CONNECT NEW 2-1/2" VENT TO EXISTING 4" SANITARY. FIELD VERIFY LOCATION AND SIZE.



1 PLUMBING NEW WORK PLAN - SANITARY
 P1.1 SCALE: 1/8" = 1'-0"



2 PLUMBING NEW WORK PLAN - DOMESTIC WATER
 P1.1 SCALE: 1/8" = 1'-0"



REVISIONS:			
NO.	DESCRIPTION	DRAWN	CHECKED

PHASE:			
SCHEMATIC DESIGN	DRAWN	CHECKED	DATE
BID DOCUMENTS - GFM	TLC	DAN	04/09/26
CONSTRUCTION DOCUMENTS	TLC	DAN	05/01/26

JRA ARCHITECTS 2211 NAVY BLVD., STE 100
 PANAMA CITY BEACH, FL
 PHONE: (850) 236-9832
 Commission Number: 26876

WATFORD ENGINEERING
 CONSULTANTS:
 David A. New, State of Florida
 Professional Engineer
 License No. 99195
This form has been digitally signed and sealed by David A. New on the date indicated here.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

PROJECT:

ROSENWALD SCHOOL PHASE I BUILDING #2 REMODELING

PANAMA CITY
 SHEET TITLE:
PLUMBING NEW WORK PLAN

SHEET NUMBER: P1.1

GENERAL NOTES

- IT IS NOTED THAT SOME AREAS WILL BE REQUIRED TO BE PROTECTED AS ORDINARY HAZARD (MECHANICAL ROOMS, ETC.) THESE AREAS HAVE BEEN IDENTIFIED BY A DIFFERENT HATCHING PATTERN THEN THE LIGHT HAZARD AREAS ON THE PLANS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN CURRENT WATER FLOW DATA AND DESIGN SPRINKLER SYSTEMS ACCORDINGLY. SHALL OBTAIN CURRENT WATER FLOW DATA AND DESIGN MODIFICATIONS ACCORDINGLY.
- MAINTAIN THE INTEGRITY OF ALL FIRE RATED ASSEMBLIES AND ACOUSTICAL ASSEMBLIES.
- CONTRACTOR SHALL COORDINATE SYSTEM DESIGN WITH ALL OTHER TRADES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING INSPECTOR'S TEST LOCATIONS IN ACCORDANCE WITH NFPA 13 AND THE AUTHORITY HAVING JURISDICTION.
- ALL PIPING SHALL OBSERVE PROPER PITCH. PROVIDE DRAINS FOR LOW POINTS.
- THE SPRINKLER SYSTEM SHALL BE ARRANGED FOR FLUSHING. READILY REMOVABLE FITTINGS SHALL BE PROVIDED AT THE END OF ALL CROSSMAINS.
- PIPE HANGERS SHALL BE INSTALLED AS REQUIRED BY NFPA 13 FOR SUPPORTING SPRINKLER PIPING. NO OTHER PIPING OR DEVICES SHALL BE ATTACHED TO THE SPRINKLER HANGER SYSTEM UNLESS THE HANGER HAS BEEN DESIGNED TO CARRY THE ADDITIONAL LOAD.
- THIS CONTRACT DOES NOT INCLUDE ANY MATERIAL OR DEVICE TO IMPROVE THE STRUCTURAL STRENGTH OF THE BUILDING TO ENABLE IT TO CARRY THE LOAD OF THE FIRE PROTECTION SYSTEM.
- ALL UNDERGROUND PIPING SHALL BE DUCTILE IRON WITH FITTINGS AND JOINTS PER NFPA 13. TEFLON TAPE SHALL BE ADDED TO ALL MALE THREADS OF PIPE AS A JOINING COMPOUND.
- ALL ABOVE GROUND WET SPRINKLER PIPE THAT IS THREADED SHALL BE SCHEDULE 40 BLACK WITH BLACK CASTMALEABLE IRON FITTINGS WITH JOINTS PER NFPA 13. TEFLON TAPE SHALL BE ADDED TO ALL MALE THREADS OF PIPE AS A JOINING COMPOUND. CPVC PIPING IS NOT ACCEPTABLE.
- ALL ABOVE GROUND WET SYSTEM SPRINKLER PIPE THAT IS WELDED OR ROLL-CROOVED SHALL BE SCHEDULE 10 BLACK WITH BLACK CASTMALEABLE IRON FITTINGS WITH JOINTS PER NFPA 13. CPVC PIPING IS NOT ACCEPTABLE.
- TRENCHING SHALL BE PERFORMED BY HAND WHERE THERE IS THE POSSIBILITY OF ENCOUNTERING OBSTACLES OR EXISTING UTILITY LINES. WHERE CLEAR AND UNOBSTRUCTED AREAS ARE TO BE EXCAVATED, APPROPRIATE MACHINE EXCAVATION METHODS MAY BE EMPLOYED. PROVIDE PROPER BACKFILL AS REQUIRED PER SPECIFICATIONS.
- INSTALL SPRINKLER HEADS CENTER OF TILE IN ACOUSTICAL CEILINGS. HEAD LOCATIONS SHALL BE GUIDED BY ARCHITECTURAL ELEMENTS FOR OTHER CEILING TYPES.
- DO NOT LOCATE INSPECTOR'S TEST LOCATIONS OR DRAINS IN FINISHED OR OTHER FINISHED SPACES. INDICATE ALL LOCATIONS ON SHOP DRAWINGS.
- REFER TO MECHANICAL DRAWINGS FOR FIRE WALL PIPE PENETRATION DETAILS.
- SITE PIPING BEYOND 5'-0" OUTSIDE OF BUILDING SHOWN FOR REFERENCE ONLY. REFER TO CIVIL PLANS FOR BACK FLOW PREVENTER WITH FIRE DEPARTMENT CONNECTION.
- SITE PIPING SHOWN FOR REFERENCE ONLY. REFER TO CIVIL SITE UTILITY PLANS FOR SITE PIPING, BACK FLOW PREVENTER, FIRE DEPARTMENT CONNECTION, AND HYDRANT LOCATIONS.
- FLEXIBLE CONNECTIONS TO SPRINKLER HEADS ARE NOT ALLOWED.
- EXPOSED FIRE PIPING SHALL BE PAINTED RED.
- AFTER FLUSHING SYSTEM, TEST FIRE SPRINKLER PIPING HYDROSTATICALLY, FOR PERIOD OF 24 HOURS, AT NOT LESS THAN 200 PSI OR AT 30 PSI IN EXCESS OF MAXIMUM STATIC PRESSURE WHEN MAXIMUM STATIC PRESSURE IS IN EXCESS OF 150 PSI. CHECK SYSTEM FOR LEAKAGE OF JOINTS. MEASURE HYDROSTATIC PRESSURE AT LOW POINT OF EACH SYSTEM OR ZONE BEING TESTED.
- SUBMIT MANUFACTURER'S TECHNICAL PRODUCT DATA AND INSTALLATION INSTRUCTIONS FOR (RETAIN OR DELETE AS REQUIRED), PIPE AND FITTINGS, BASIC PIPE SUPPORTS AND HANGERS, BASIC VALVES, SPECIAL VALVES, PRESSURE GAUGES, AUTOMATIC SPRINKLERS, & CABINETS. PREPARE WORKING (SHOP) DRAWINGS OF FIRE PROTECTION SYSTEMS INDICATING PIPE SIZES, PIPE LOCATIONS, PIPE ELEVATIONS, FITTINGS, SHUTOFFS, HANGERS, EQUIPMENT, AND COORDINATION WITH OTHER BUILDING SYSTEMS. SUBMITTAL SHALL SHOW ALL REQUIREMENTS PER NFPA-13.
- PROVIDE SIGNED AND SEALED LAYOUT DRAWINGS AND HYDRAULIC CALCULATIONS FOR DOE SUBMITTAL AFTER APPROVAL BY ENGINEER AND LOCAL AHI.
- ALL WORK SHALL COMPLY WITH SEVENTH EDITION OF FLORIDA BUILDING CODE (2020), SEVENTH EDITION OF THE FLORIDA FIRE PREVENTION CODE (2020), AND THE 2014 EDITION OF SREF.
- PROVIDE MONITORING AND SUPERVISION OF THE SPRINKLER SYSTEM WATER FLOW THAT MEETS NFPA AND FLORIDA BUILDING CODE REQUIREMENTS. AN ALARM BELL ON THE EXTERIOR OF THE BUILDING SHALL BE CONNECTED AND ACTIVATED BY WATER FLOW EQUIVALENT TO THE FLOW OF ONE SPRINKLER.

WATER BASED SPRINKLER SYSTEM REQUIREMENTS

- THE POINT OF SERVICE AND BACKFLOW PREVENTER ARE SHOWN FOR REFERENCE ONLY. REFER TO THE CIVIL SITE UTILITY PLAN FOR FURTHER INFORMATION.
- THE EXISTING LOCKER ROOM AND MAIN COORIDOR PORTION OF THE BUILDING SHALL BE FULLY SPRINKLED IN ACCORDANCE WITH THE 2019 EDITION OF NFPA 13 AND LOCAL CODES. THE GYM PORTION OF THE BUILDING SHALL NOT BE SPRINKLED, BUT PROVISIONS SHALL BE MADE FOR IT TO BE ADDED TO THE SYSTEM IN THE FUTURE.
- REFER TO PLAN SHEETS AND HAZARD CLASSIFICATION LEGEND FOR HAZARD CLASSIFICATION OF EACH ROOM OR AREA.
- THE NEW SYSTEMS SHALL BE HYDRAULICALLY CALCULATED IN ACCORDANCE WITH 2019 EDITION OF NFPA 13.
LIGHT HAZARD: 0.10 GPM/SF, MAX 225 SF PER HEAD, 15 FT MAX NOMINAL SPACING; ORDINARY TEMPERATURE RATING HEADS.
ORDINARY HAZARD GROUP 1: 0.15 GPM/SF, MAX 150 SF PER HEAD, 15 FT MAX NOMINAL SPACING; INTERMEDIATE TEMPERATURE RATING HEADS.
ORDINARY HAZARD GROUP 2: 0.20 GPM/SF, MAX 130 SF PER HEAD, 15 FT MAX NOMINAL SPACING; INTERMEDIATE TEMPERATURE RATING HEADS.
FOR ADDITIONAL REQUIREMENTS, REFER TO DESIGN CRITERIA NOTES ON THIS SHEET.
- THE POINT OF SERVICE CONNECTION IS A CIRCULATING MAIN.
- REFER TO DESIGN CRITERIA NOTES ON THIS SHEET FOR FLOW TEST DATA.
- REFER TO WET PIPE RISER DETAIL FOR VALVE AND SUPERVISION REQUIREMENTS.
- MICROBIAL INDUCED CORROSION IS NOT ANTICIPATED IN THIS PROJECT.
- REFER TO CIVIL SITE UTILITY DRAWINGS FOR BACKFLOW PREVENTER. MAXIMUM DESIGN PRESSURE DROP SHALL NOT EXCEED 5 PSI.
- REFER TO DIVISION 21 SPECIFICATIONS FOR QUALITY AND PERFORMANCE SPECIFICATIONS OF ALL FIRE PROTECTION COMPONENTS.
- NO FIRE PUMP IS REQUIRED.
- NO ON SITE FIREWATER STORAGE TANK IS REQUIRED.
- REFER TO CIVIL DRAWINGS FOR FORWARD FULL TEST PROVISIONS.

DESIGN CRITERIA

THE BUILDING SYSTEM SHALL BE HYDRAULICALLY DESIGNED WITH NO INSIDE HOSE STREAM ALLOWANCE AND FIRE PROTECTION SPRINKLER DENSITY VALUES AS FOLLOWS:

LIGHT HAZARD = 0.10 GPM/SF WITH A MAXIMUM OF 225 SF COVERAGE PER SPRINKLER

ORDINARY HAZARD GROUP 1 = 0.15 GPM/SF WITH A MAXIMUM OF 150 SF COVERAGE PER SPRINKLER

ORDINARY HAZARD GROUP 2 = 0.20 GPM/SF WITH A MAXIMUM OF 130 SF COVERAGE PER SPRINKLER

THE SPRINKLER DESIGN SHALL BE BASED ON THE MOST HYDRAULICALLY DEMANDING 1500 SF. THE CONTRACTOR IS ALLOWED TO REDUCE THE DESIGN AREA BASED ON THE USE OF QUICK RESPONSE SPRINKLERS AND CEILING HEIGHT IN ACCORDANCE WITH NFPA 13.

THE DESIGN OF THE SPRINKLER SYSTEM SHALL BE BASED UPON WATER SUPPLY INFORMATION OBTAINED BY THE SPRINKLER CONTRACTOR AND WITNESSED BY THE AUTHORITY HAVING JURISDICTION. WATER SUPPLY SHALL BE PRESUMED AVAILABLE AT THE POINT OF CONNECTION OF THE FIRE MAIN TO THE WATER SUPPLY SYSTEM. THE FOLLOWING FLOW TEST DATA WAS OBTAINED BY THE ENGINEER ON APRIL 23, 2026, PROVIDED BY PANAMA CITY FIRE DEPARTMENT.

HYDRANT #1:

STATIC = 59 PSI

RESIDUAL = 47 PSI

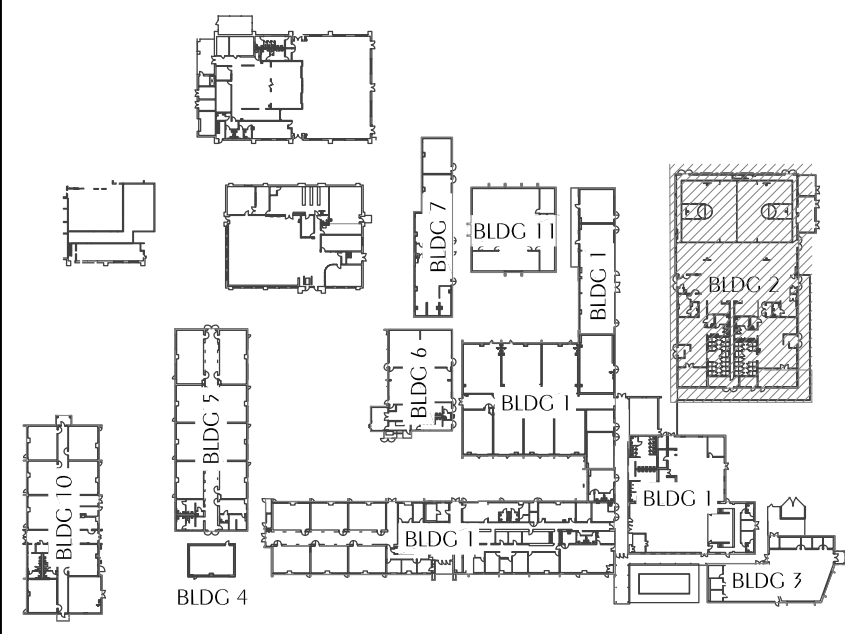
HYDRANT #2:

FLOWING: 949.5 GPM

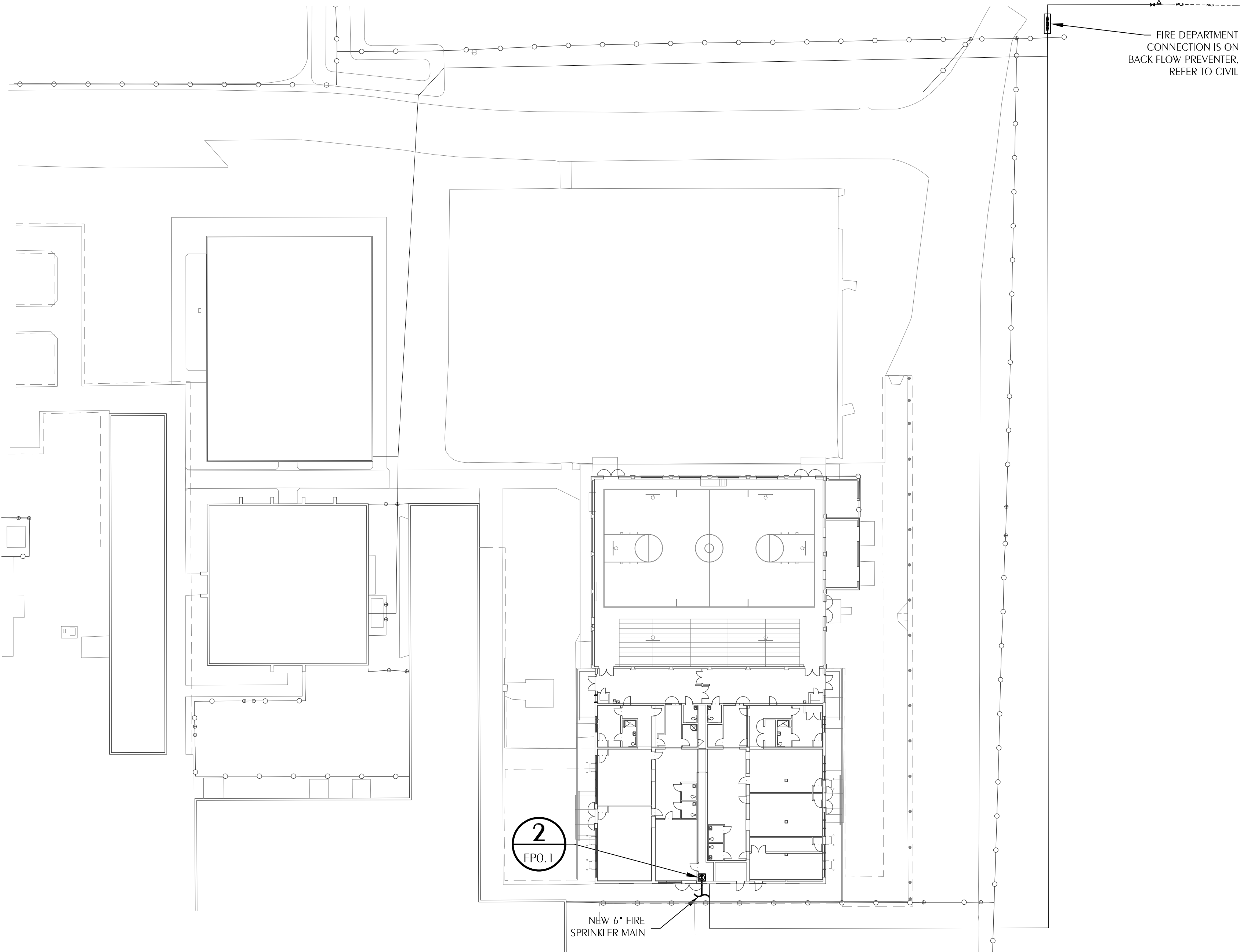
COEFFICIENT 0.9"

LEGEND

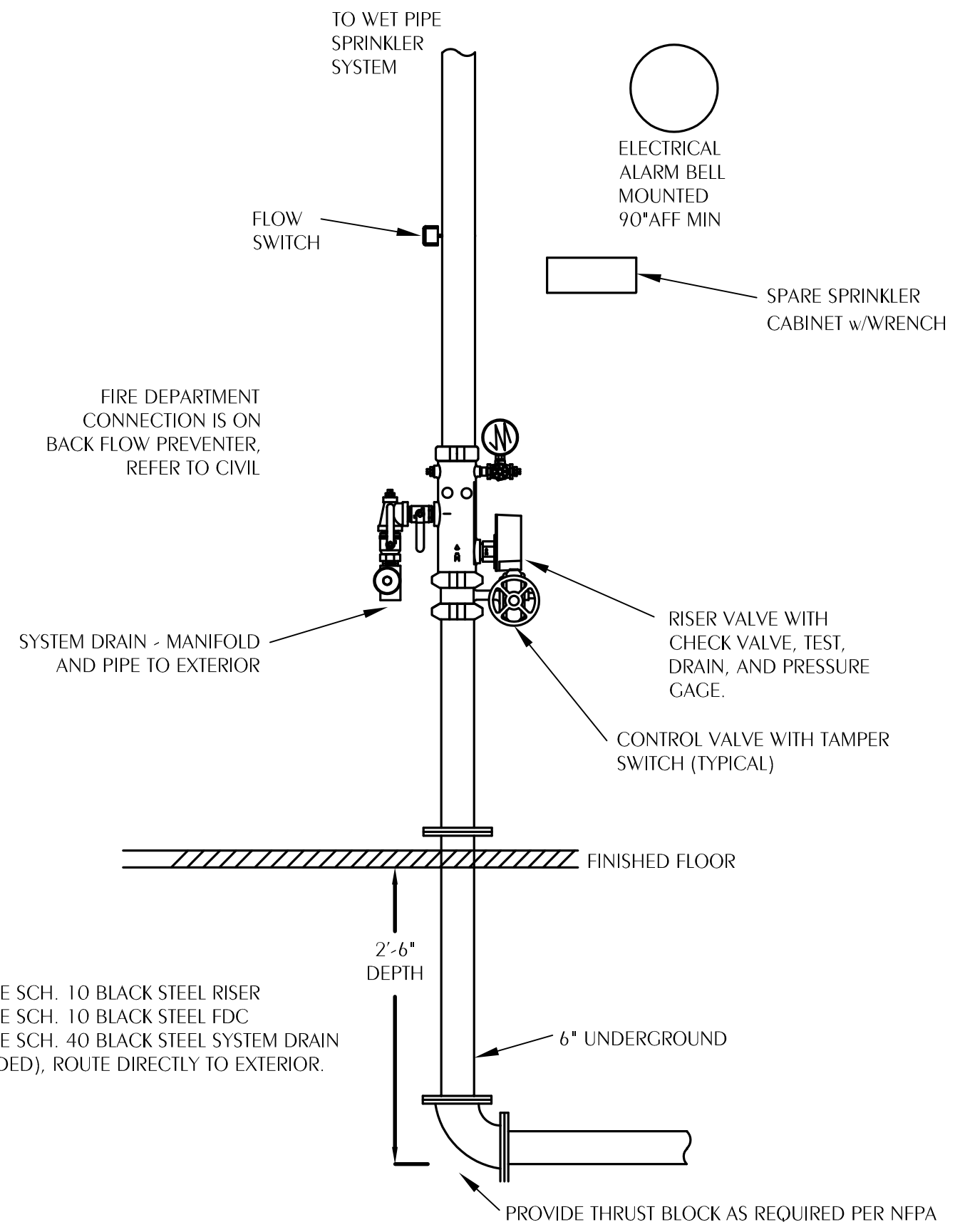
- FW FIRE WATER SUPPLY (SITE)
- PW POTABLE WATER SUPPLY
- WM WATER MAIN
- FW(E) EXISTING FIRE WATER SUPPLY
- FIRE SPRINKLER MAIN
- FIRE RISER
- FDC FIRE DEPARTMENT CONNECTION
- FIRE DEPARTMENT CONNECTION
- ROOF HYDRANT



KEYPLAN
SCALE: NTS



1 FIRE PROTECTION PLAN
SCALE: 1" = 30'-0"



NOTE:
PROVIDE SCH. 10 BLACK STEEL RISER
PROVIDE SCH. 10 BLACK STEEL FDC.
PROVIDE SCH. 40 BLACK STEEL SYSTEM DRAIN (THREADED). ROUTE DIRECTLY TO EXTERIOR.

2 WET PIPE RISER DETAIL
SCALE: NONE

SYSTEM ENGINEERING SUMMARY	
AREA SERVICED (WET PIPE)	8663 SF
AREA SERVICED (DRY PIPE)	0 SF
HYDRAULICALLY MOST REMOTE AREA	1500 SF
HAZARD CLASSIFICATION OF REMOTE AREA	LIGHT HAZARD
SYSTEM DESIGN FLOW RATE (INDOOR)	195 GPM
OUTSIDE HOSE STREAM DEMAND	100 GPM
TOTAL WATER DEMAND	295 GPM
WATER PRESSURE DATA	
END HEAD PRESSURE	7.0 PSI
ELEVATION LOSS	7.58 PSI
OUTSIDE FRICTION LOSS	4.96 PSI
BACK FLOW PREVENTOR	5 PSI
SAFETY FACTOR	10 PSI
AVAILABLE INSIDE FRICTION LOSS	20 PSI

REVISIONS:				
NO.	DESCRIPTION	DRAWN	CHECKED	DATE
PHASE:				
SCHEMATIC DESIGN	TLC	DAN	04/09/26	
BID DOCUMENTS - GPM	TLC	DAN	04/15/26	
CONSTRUCTION DOCUMENTS	TLC	DAN	05/01/26	

JRA ARCHITECTS 2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 26876

WATFORD ENGINEERING
Professional Engineer
License No. 98195
This item has been digitally signed and sealed by Daniel A. Watford. The date indicated here.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
4450 Oliver Street, Melbourne, Florida 32941
888.533.3447 Project Number: 2021-0073 Daniel A. Watford Florida License 98195

PROJECT:
ROSENWALD SCHOOL PHASE I
BUILDING #2 REMODELING

PANAMA CITY
SHEET TITLE:
FIRE PROTECTION
SITE PLAN
LEGEND, DETAILS, AND NOTES

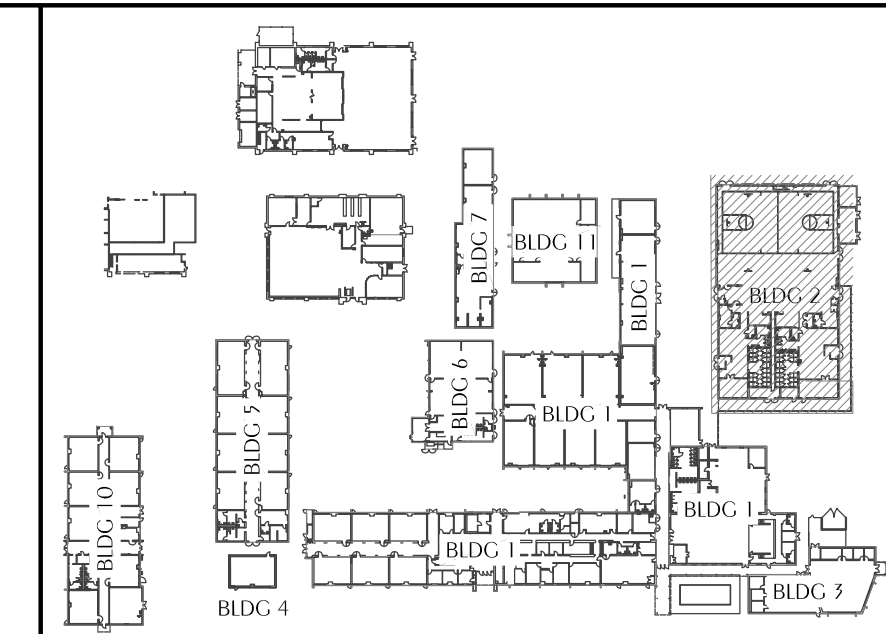
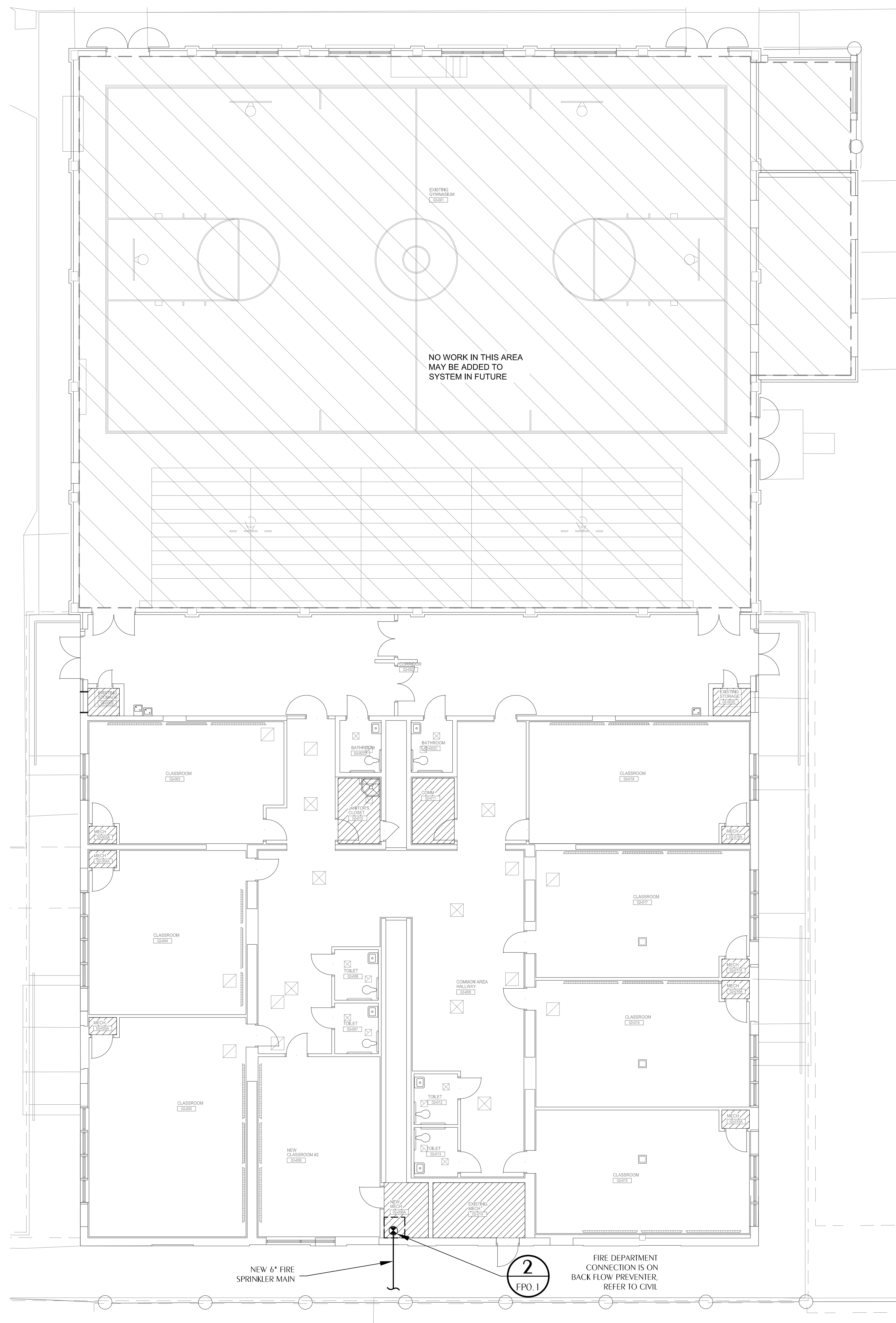
SHEET NUMBER:
FP0.1

HAZARD CLASSIFICATION

	LIGHT HAZARD
	ORDINARY HAZARD GROUP 1
	ORDINARY HAZARD GROUP 2

GENERAL NOTES

1. BECAUSE OF EXTREMELY TIGHT CLEARANCE IN THE CEILING SPACE, CAREFUL COORDINATION WITH ALL TRADES MUST BE DOCUMENTED WITH SHOP DRAWINGS.
2. ATTIC IS COMBUSTIBLE CONSTRUCTION AND INSULATED. THE ATTIC SHALL BE SPRINKLED BY WET PIPE SYSTEM. THE HAZARD CLASSIFICATION SHALL BE LIGHT HAZARD.



REVISIONS:

NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:

	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN	TLC	DAN	04/09/16
BID DOCUMENTS - GFM	TLC	DAN	04/15/16
CONSTRUCTION DOCUMENTS	TLC	DAN	05/01/16

JRA ARCHITECTS 2211 NAVY BLVD., STE 100
 PANAMA CITY BEACH, FL
 PHONE: (850) 236-9832
 Commission Number: 26876

CONSULTANTS:
 David A. Nye, State of Florida
 Professional Engineer
 License No. 99195
This item has been digitally signed and sealed by David A. Nye on the date indicated here.
 Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

WATFORD ENGINEERING
4452 Citrus Street, Melbourne, Florida 32940 Phone: (321) 433-3447 Project Number: 201-001 Date: A. Nye, PE Florida License 9195

PROJECT:
 ROSENWALD SCHOOL PHASE I
 BUILDING #2 REMODELING

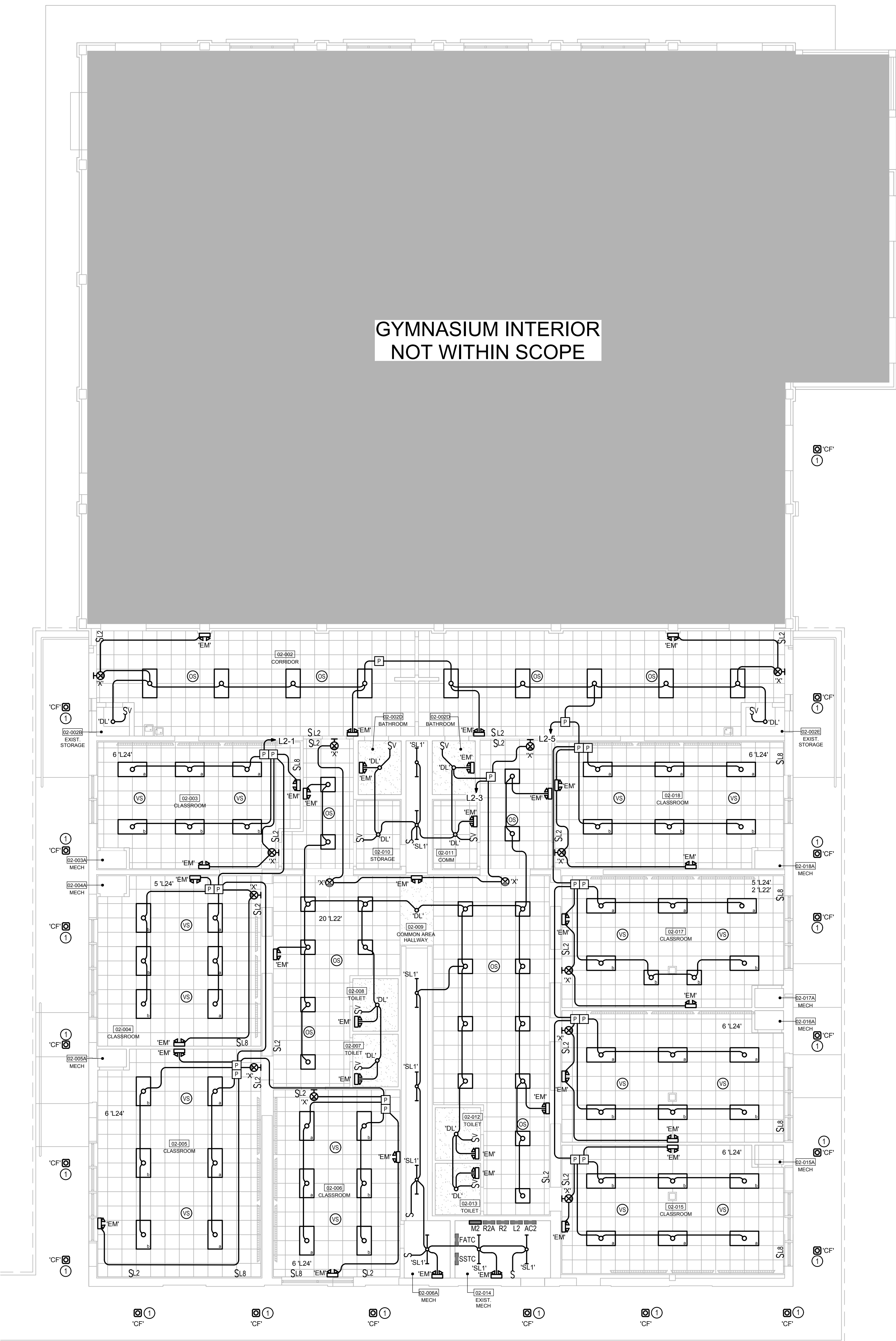
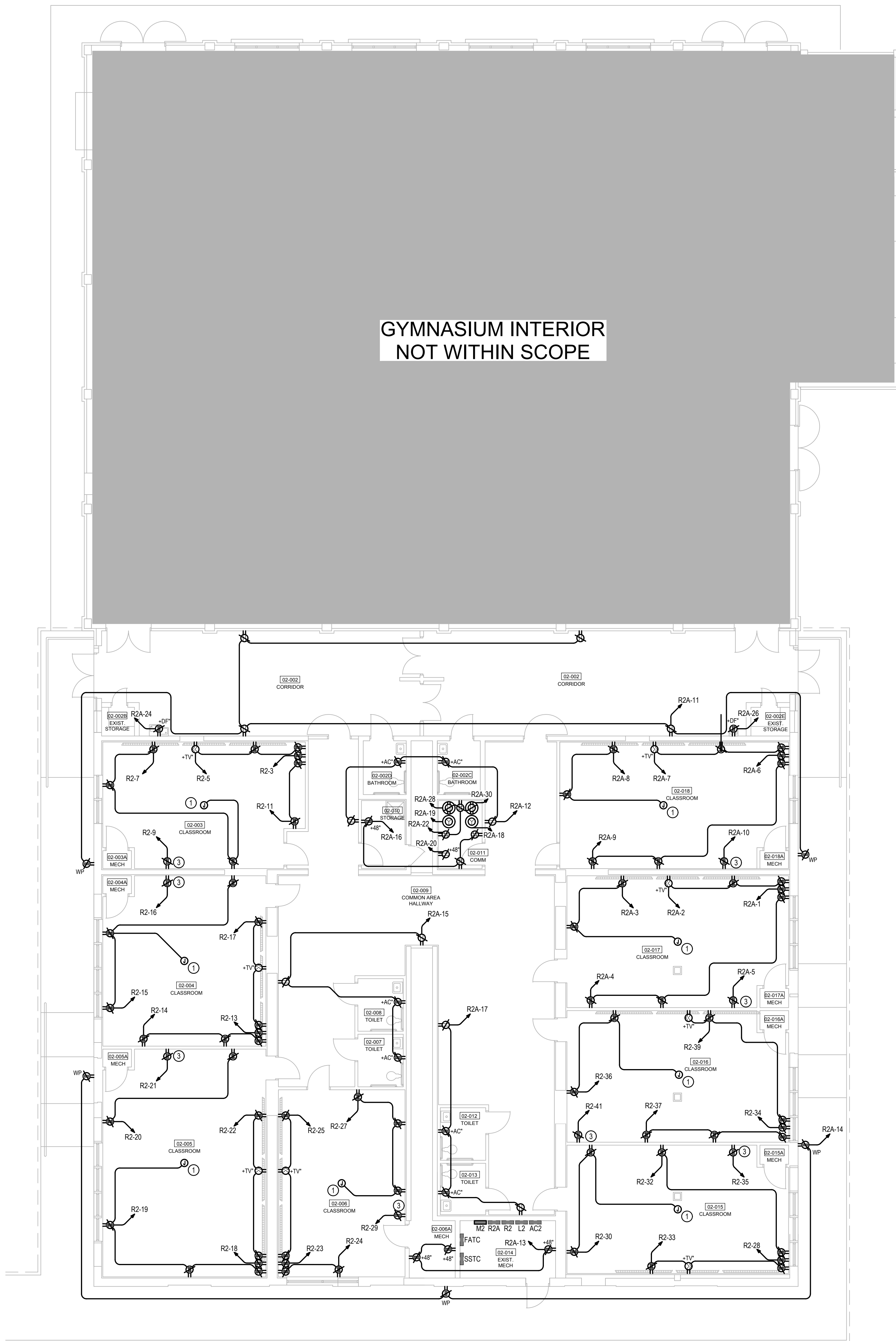
PANAMA CITY
SHEET TITLE:
 FIRE PROTECTION
 NEW WORK PLAN

SHEET NUMBER:
 FP1.1

1 FIRE PROTECTION NEW WORK PLAN
 SCALE: 1/8" = 1'-0"

GYMNASIUM INTERIOR
NOT WITHIN SCOPE

GYMNASIUM INTERIOR
NOT WITHIN SCOPE



KEYNOTES

- 1 PROVIDE POWER FOR TEACHER AMPLIFICATION SPEAKER IN CEILING.
- 2 POWER FOR EXISTING WATER COOLERS IN EASTERN CORRIDOR 02-002 TO REMAIN. PRESERVE ALL EXISTING INFRASTRUCTURE, CIRCUITRY, AND DEVICES.
- 3 PROVIDE PERMANENT LABEL WITH TEXT "CHARGING STATION" TO INDICATING DEVICE AS BEING A DEDICATED RECEPTACLE FOR THE USE SPECIFIED. THIS LABELING IS IN ADDITION TO THE LABELING OF THE PANEL AND CIRCUIT NUMBER.

POWER PLAN
1/8" = 1'-0"

KEYNOTES

- 1 REPLACE CANOPY FIXTURES ONE-FOR-ONE. RECONNECT NEW FIXTURES TO EXISTING CIRCUIT.

LIGHTING PLAN
1/8" = 1'-0"

BID ALTERNATES

- 1. ELECTRICAL BID ALTERNATE 1 - REPLACE FOURTEEN (14) ADDITIONAL LIGHTING FIXTURES ALONG THE BUS LOADING CANOPY JUST SOUTH OF THE RENOVATION SPACE. UTILIZE THE SPECIFIED 'CF' FIXTURE OR THESE SWAP OUTS. SWAP OUTS ARE TO BE ONE-FOR-ONE WITH NO RELOCATIONS OR RE-CIRCUITING.
- 2. ELECTRICAL BID ALTERNATE 2 - REPLACE ALL LIGHTING FIXTURES ON EXTERIOR OF GYMNASIUM PORTION OF BUILDING. INCLUDE PROVISIONS FOR THREE (3) 'CF' FIXTURES AND ELEVEN (11) 'WP' FIXTURES. THE 'CF' FIXTURES SHALL BE INSTALLED ONE (1) AT EACH CANOPY-COVERED EXIT WHILE THREE (3) 'WP' FIXTURES SHALL BE INSTALLED ON THE NORTH SIDE OF THE BUILDING, THREE (3) 'WP' FIXTURES ON THE SOUTH, AND FIVE (5) 'WP' FIXTURES ON THE EAST. SWAP OUTS ARE TO BE ONE-FOR-ONE WITH NO RELOCATIONS OR RE-CIRCUITING.

REVISIONS:

NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:

PHASE	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN	-	-	04/09/26
BID DOCUMENTS	CC	DW	04/15/26
CONSTRUCTION DOCUMENTS	CC	DW	05/01/26
CONTRACT DOCUMENTS	-	-	-
CHECK PLAN	-	-	-

JRA ARCHITECTS 2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 26876

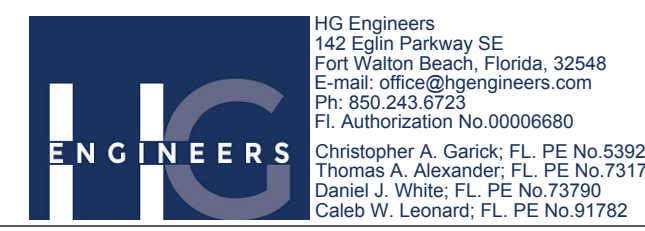
CONSULTANTS:

PROJECT:

ROSENWALD SCHOOL PHASE 1
BUILDING #2 REMODELING

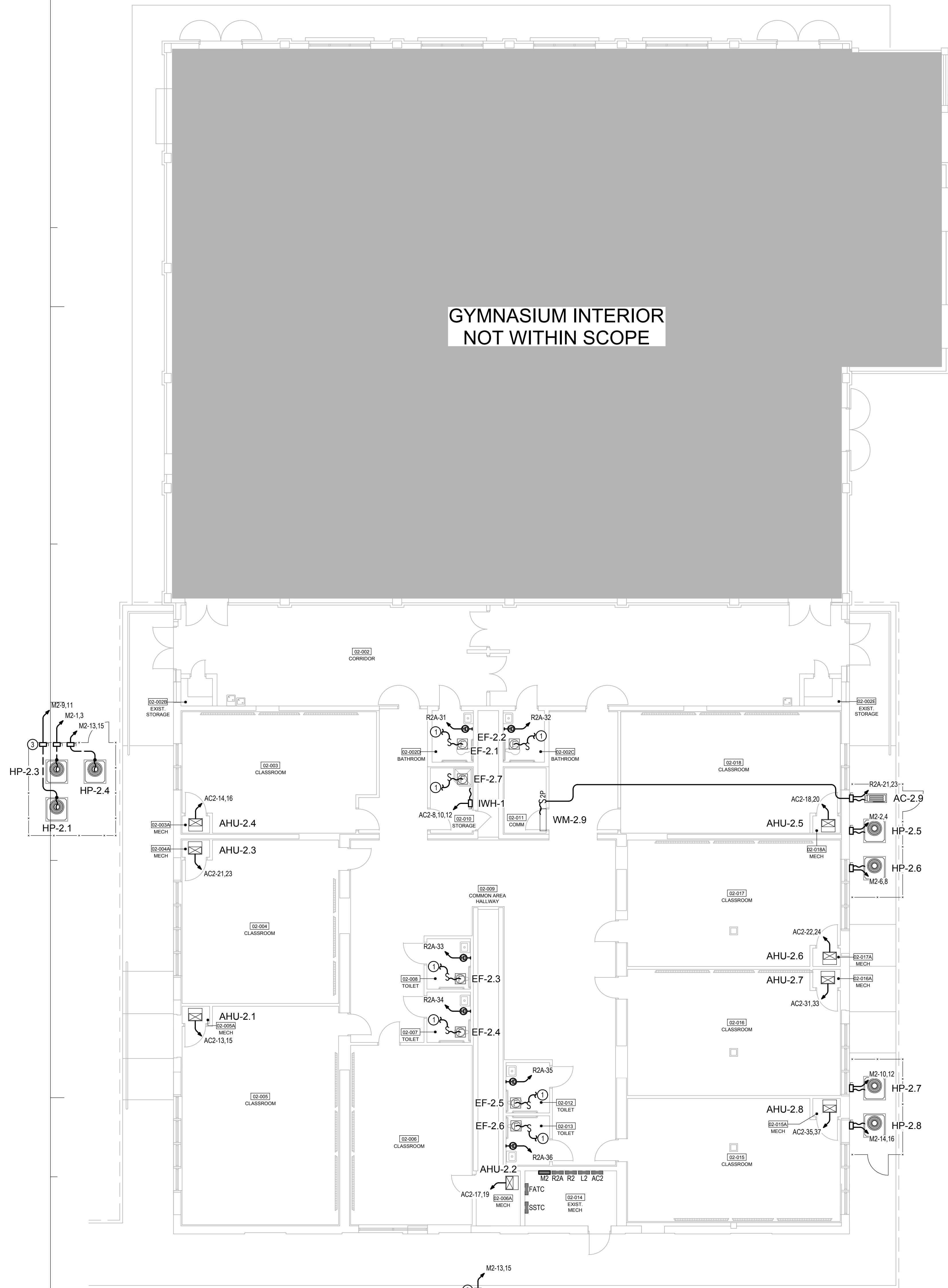
PANAMA CITY
SHEET TITLE:
POWER & LIGHTING PLANS

SHEET NUMBER:
26031
Job No.
E1.2



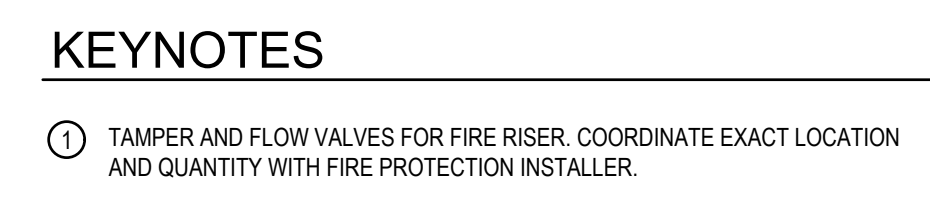
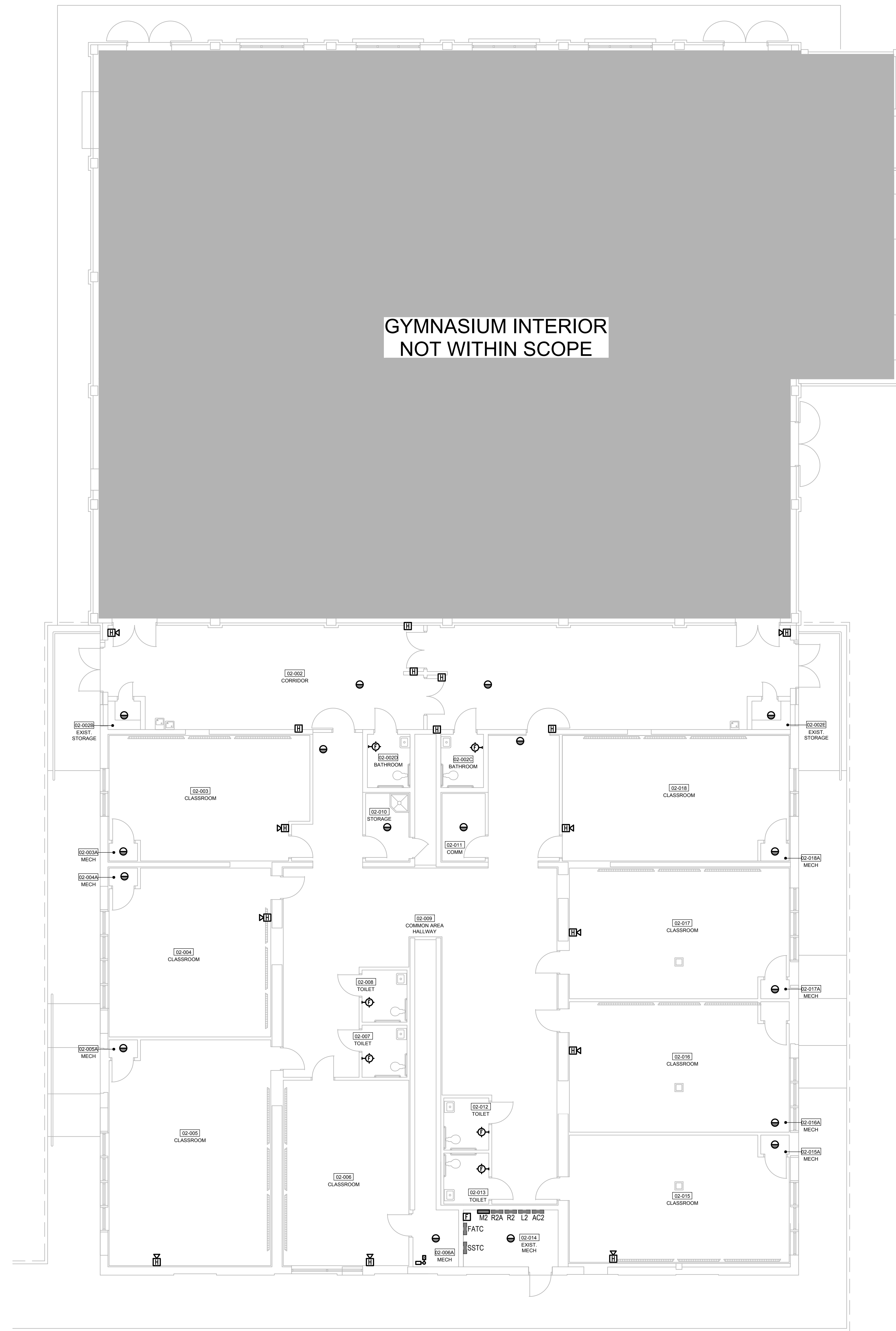
IGC Engineers
142 Light Pathway SE
Fort Walton Beach, Florida, 32548
E-mail: office@igcengineers.com
Ph: 850.243.8723
FL Authorization No. 00006660
Christopher A. Garick, FL PE No. 53924
Thomas A. Alexander, FL PE No. 53174
Daniel J. Vihko, FL PE No. 73790
Caleb W. Leonard, FL PE No. 01782

GYMNASIUM INTERIOR
NOT WITHIN SCOPE



MECHANICAL PLAN
1/8" = 1'-0"

GYMNASIUM INTERIOR
NOT WITHIN SCOPE



MISC SYSTEMS PLAN
1/8" = 1'-0"

REVISIONS:

NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:

	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN	-	-	04/09/16
BID DOCUMENTS	CC	DW	04/15/16
CONSTRUCTION DOCUMENTS	CC	DW	05/01/16
CONTRACT DOCUMENTS	-	-	-
CHECK PLOT	-	-	-

JRA ARCHITECTS 2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 26876

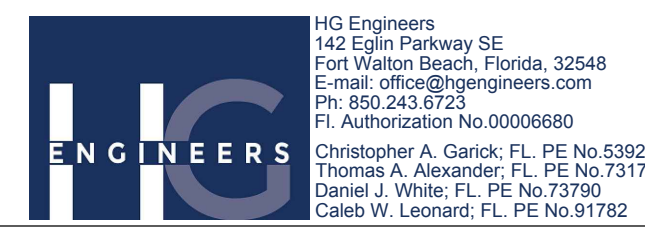
CONSULTANTS:

PROJECT:

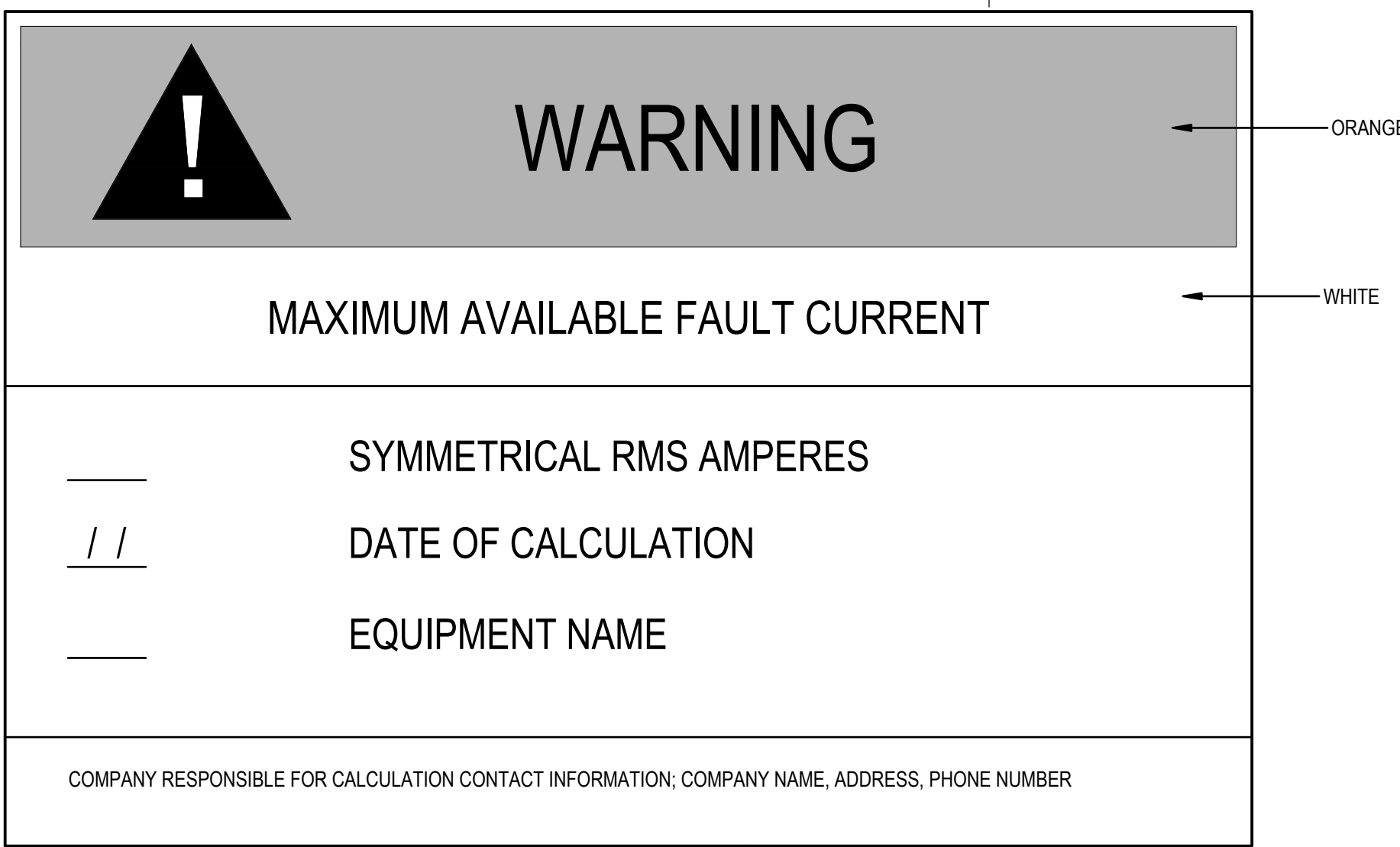
ROSENWALD SCHOOL PHASE I
BUILDING #2 REMODELING

PANAMA CITY
SHEET TITLE:
MECHANICAL &
MISC SYSTEMS
PLANS

SHEET NUMBER:
26031
Job No.
E1.3



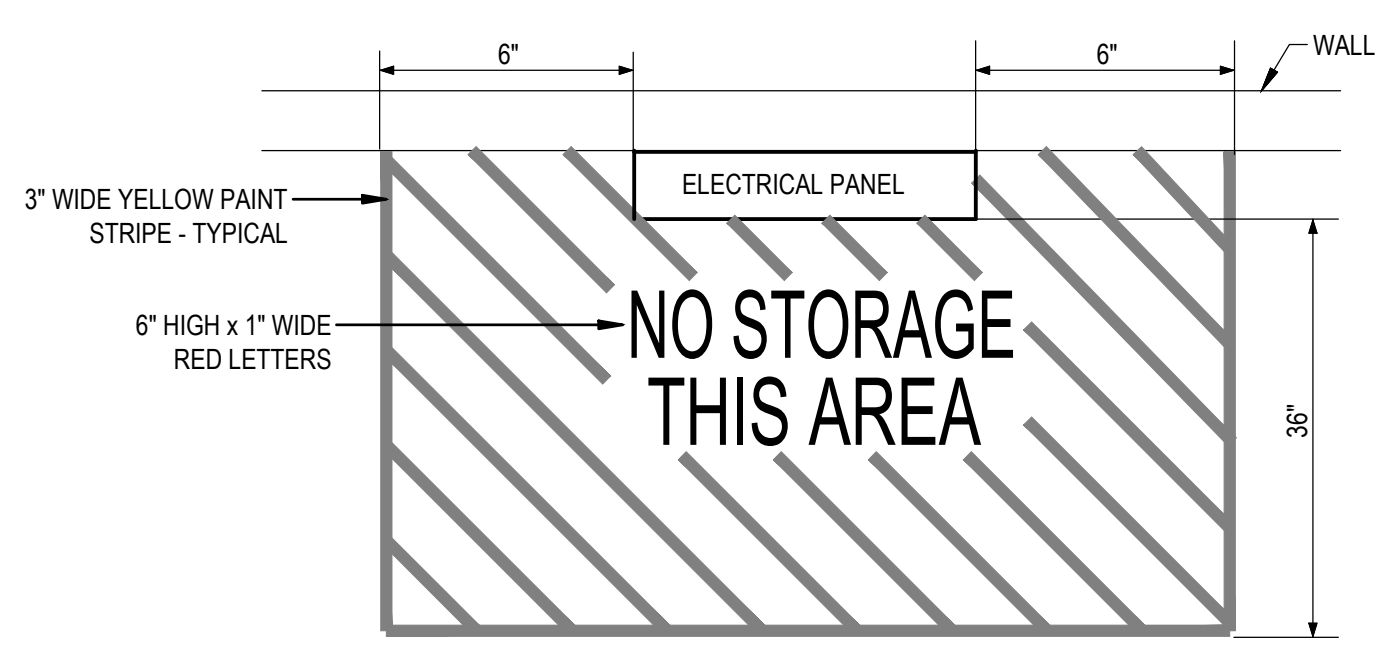
IIC Engineers
142 Eighth Parkway SE
Fort Walton Beach, Florida, 32548
E-mail: office@iicengineers.com
Ph: 850.243.8723
FL Authorization No. 00006660
Christopher A. Garsick, FL PE No. 53924
Thomas A. Alexander, FL PE No. 53174
Daniel J. White, FL PE No. 73790
Caleb W. Leonard, FL PE No. 81782



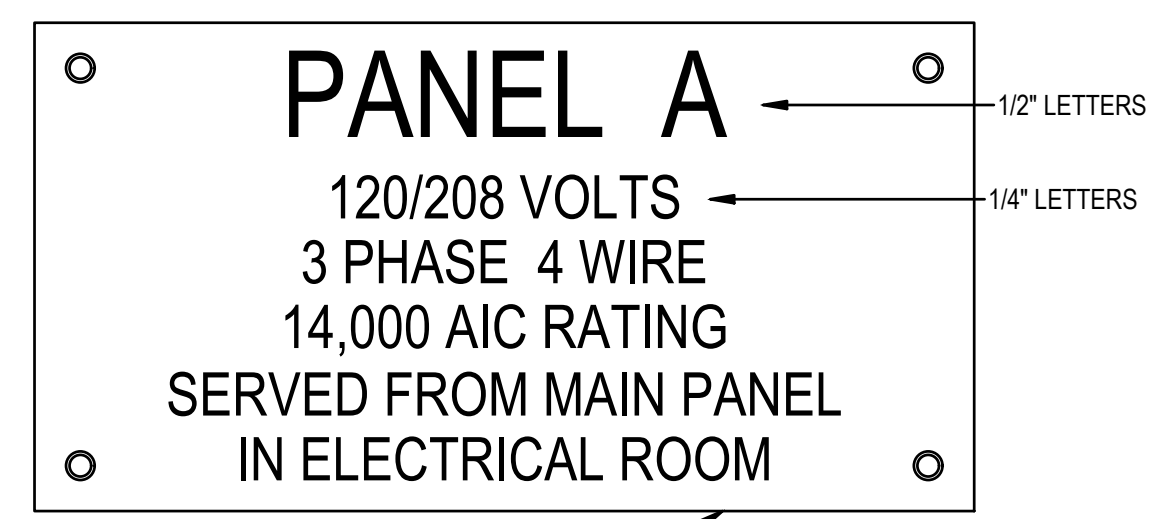
TYPICAL SERVICE EQUIPMENT FAULT CURRENT LABEL DETAIL
NOT TO SCALE



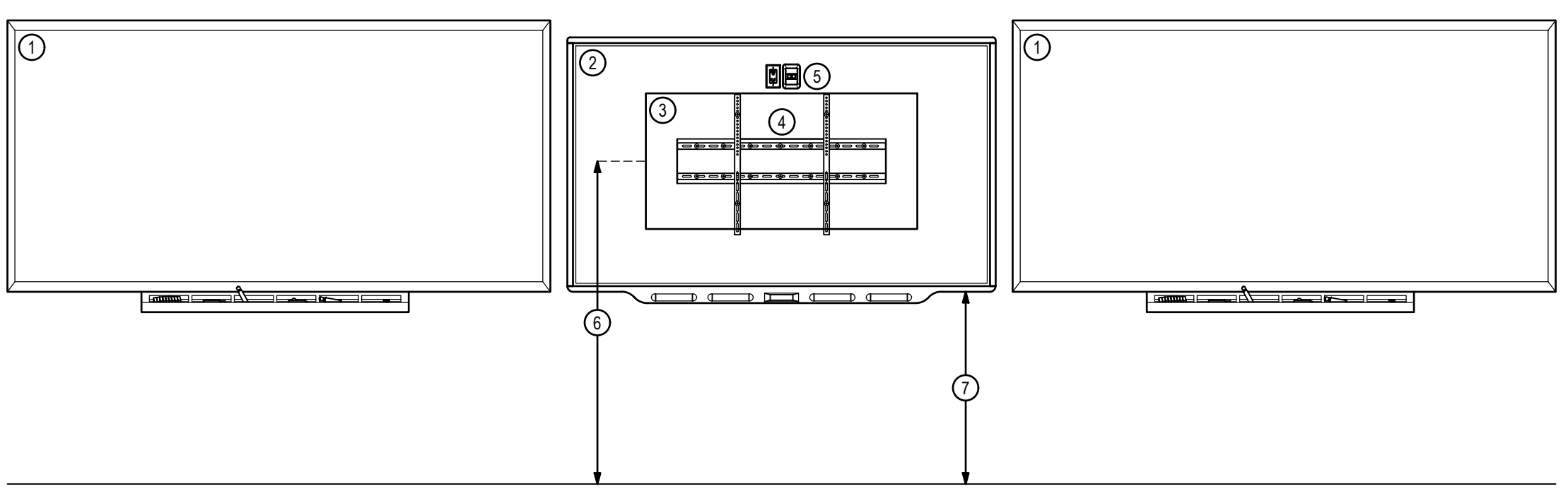
TYPICAL ARC FLASH HAZARD LABEL DETAIL
NOT TO SCALE



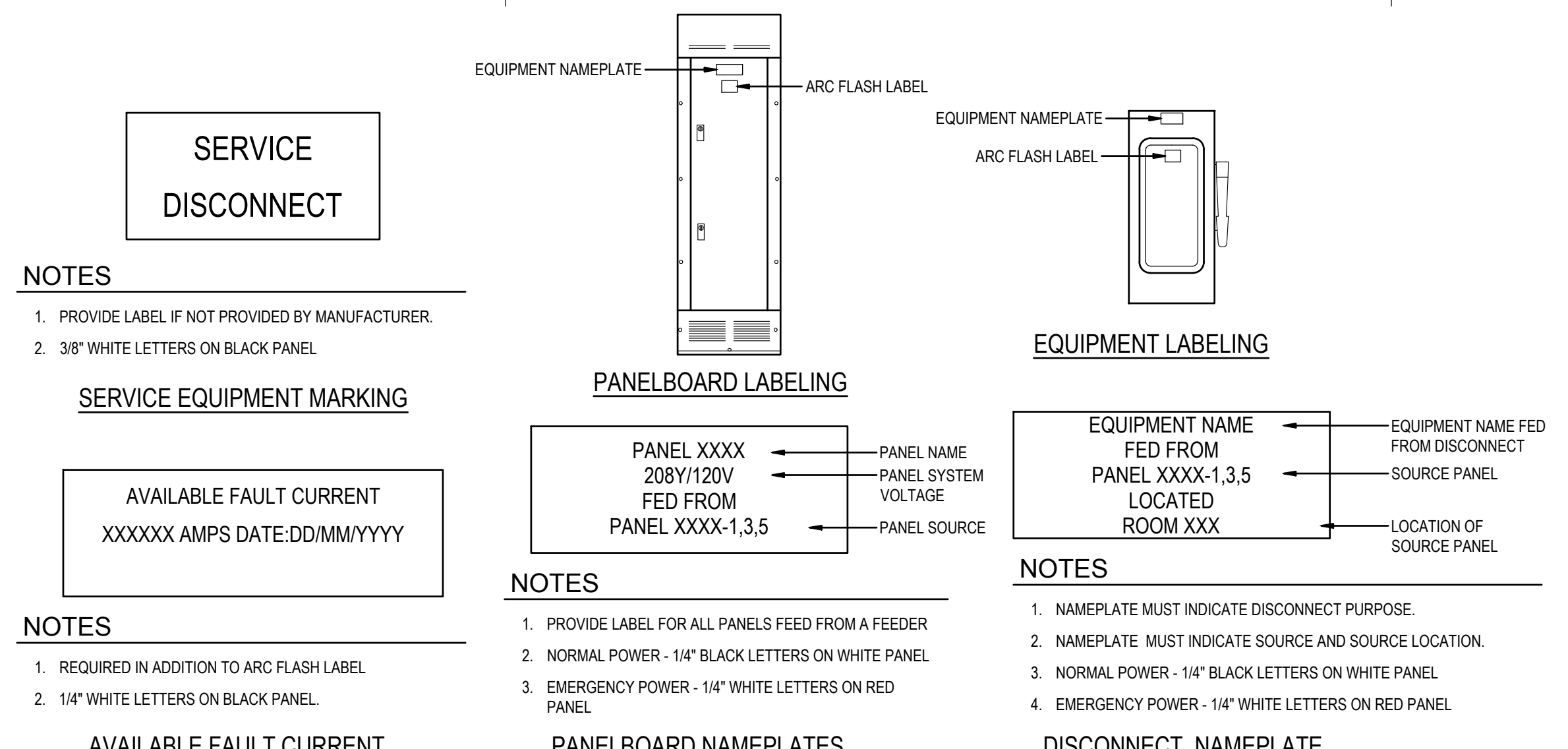
TYPICAL FLOOR MARKING AT ELECTRICAL PANELS
NOT TO SCALE



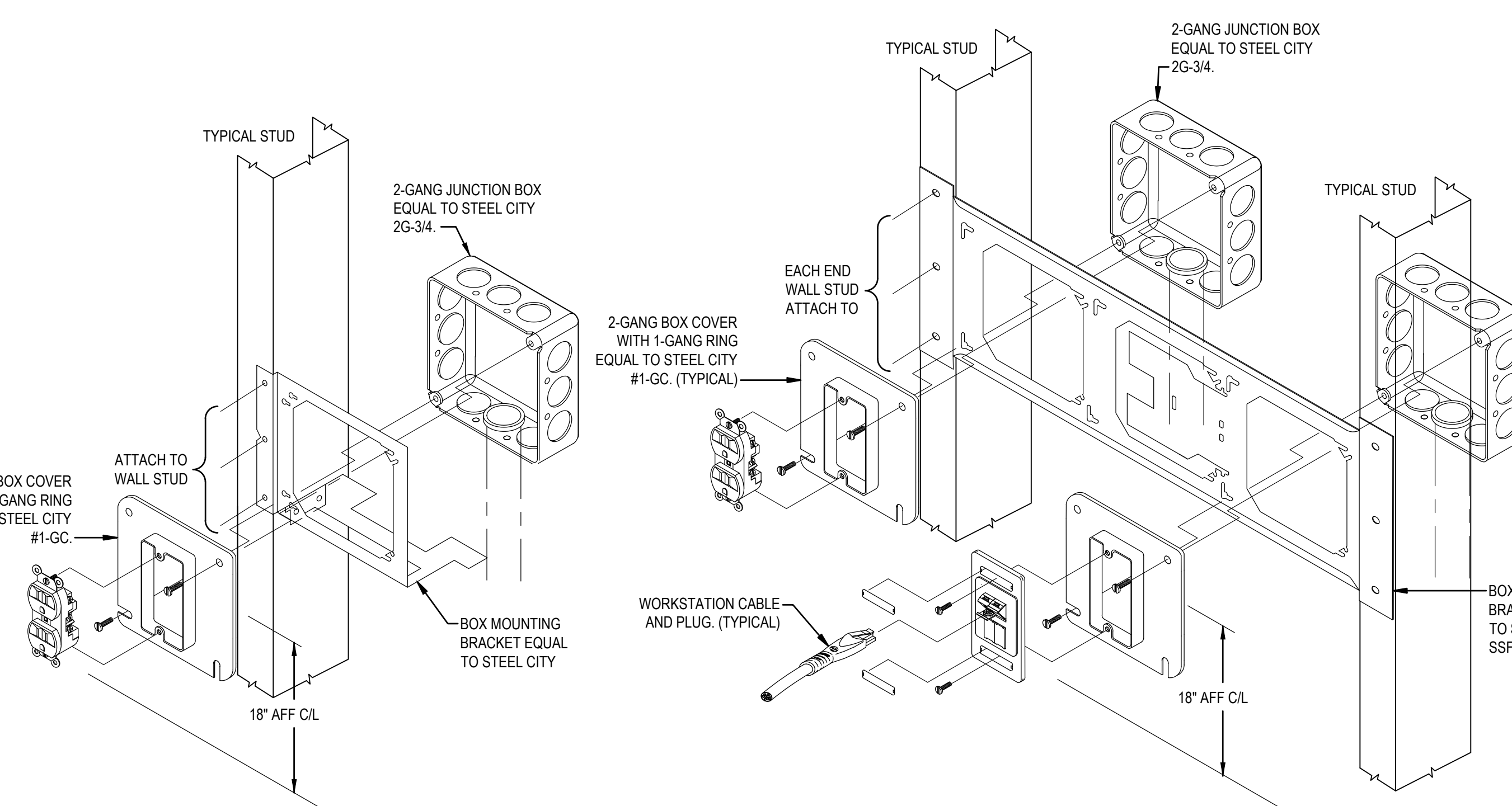
TYPICAL ELECTRICAL EQUIPMENT NAMEPLATE
NOT TO SCALE



INTERACTIVE DISPLAY PANEL MOUNTING DETAILS
NTS

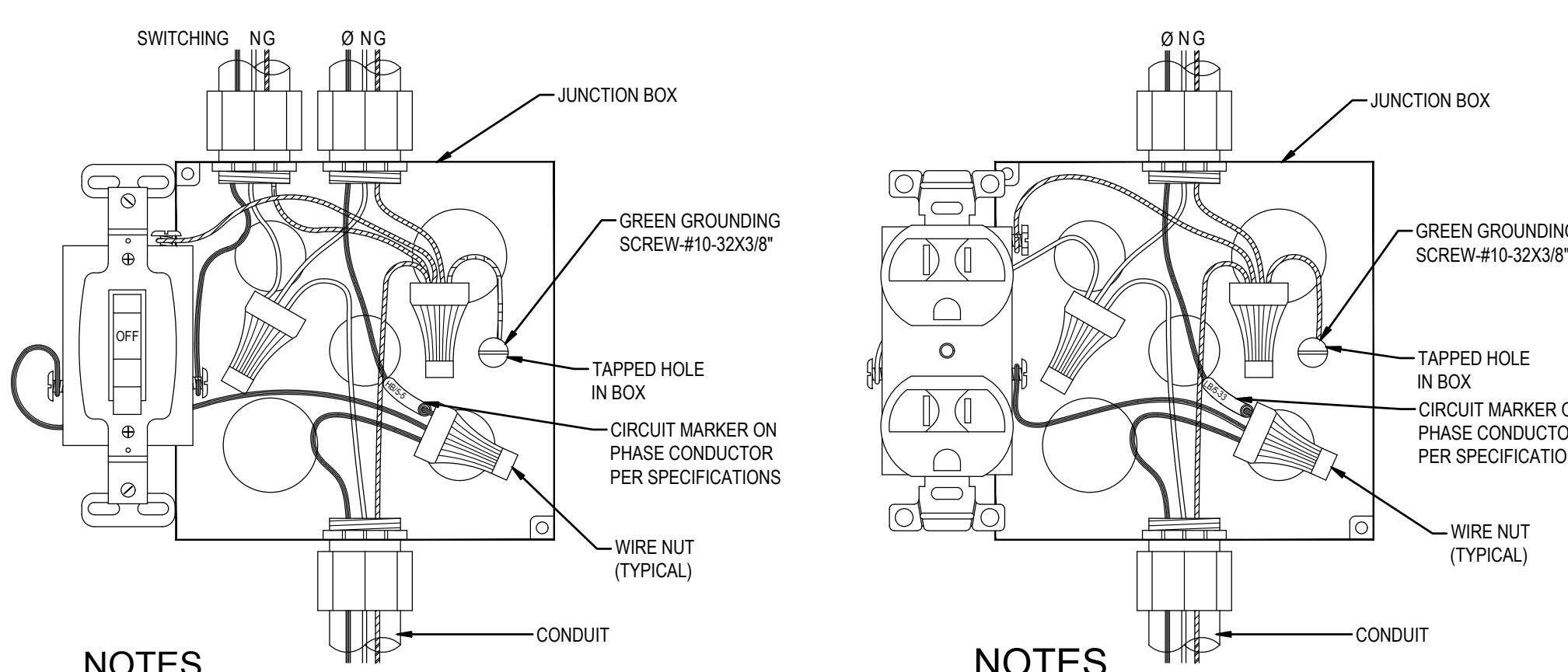


EQUIPMENT LABELING DETAILS
NTS



TYPICAL POWER ONLY
NOT TO SCALE

TYPICAL POWER & COMMUNICATIONS
NOT TO SCALE

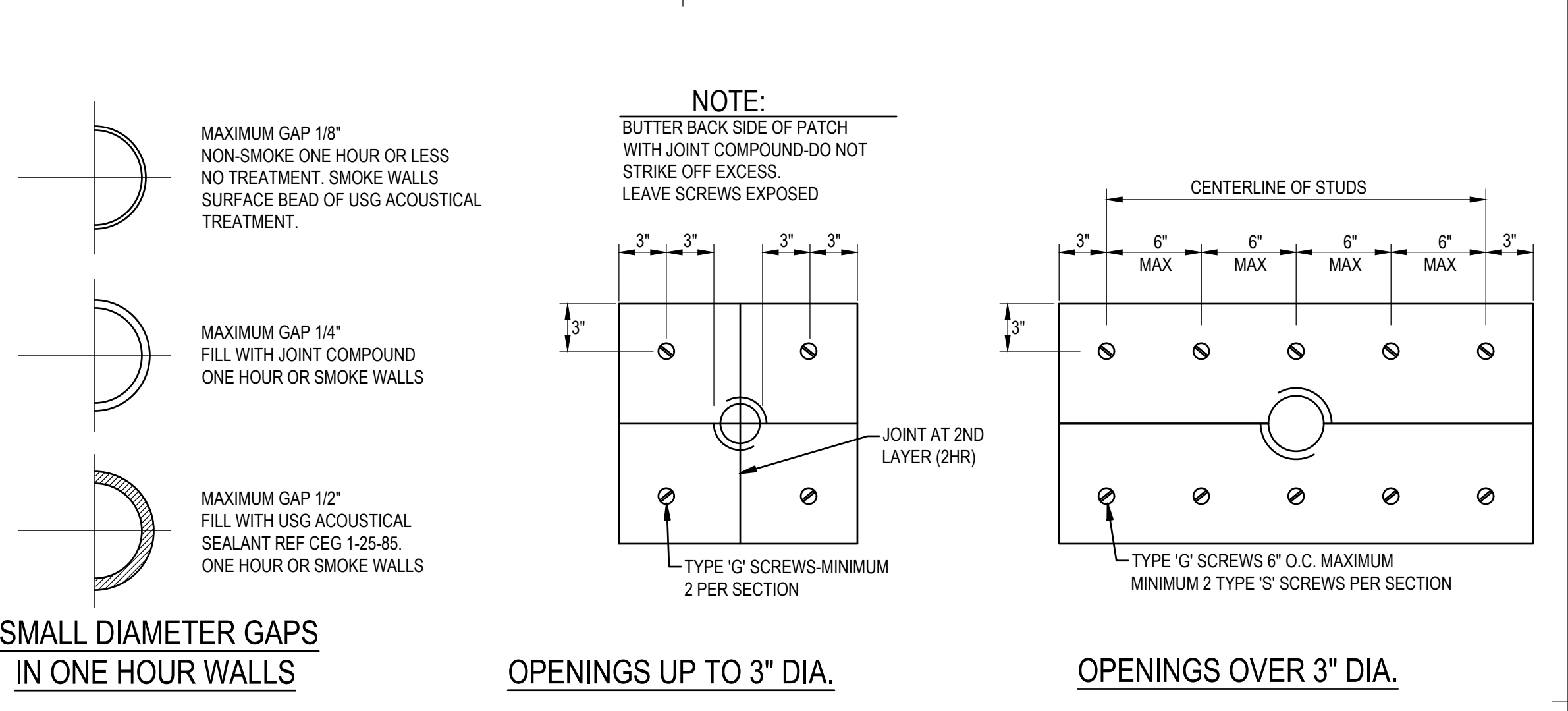
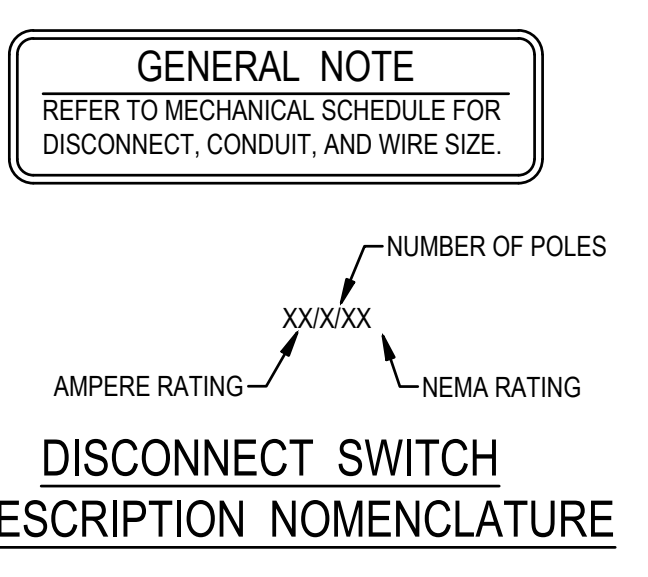


TYPICAL SWITCH WIRING
NTS

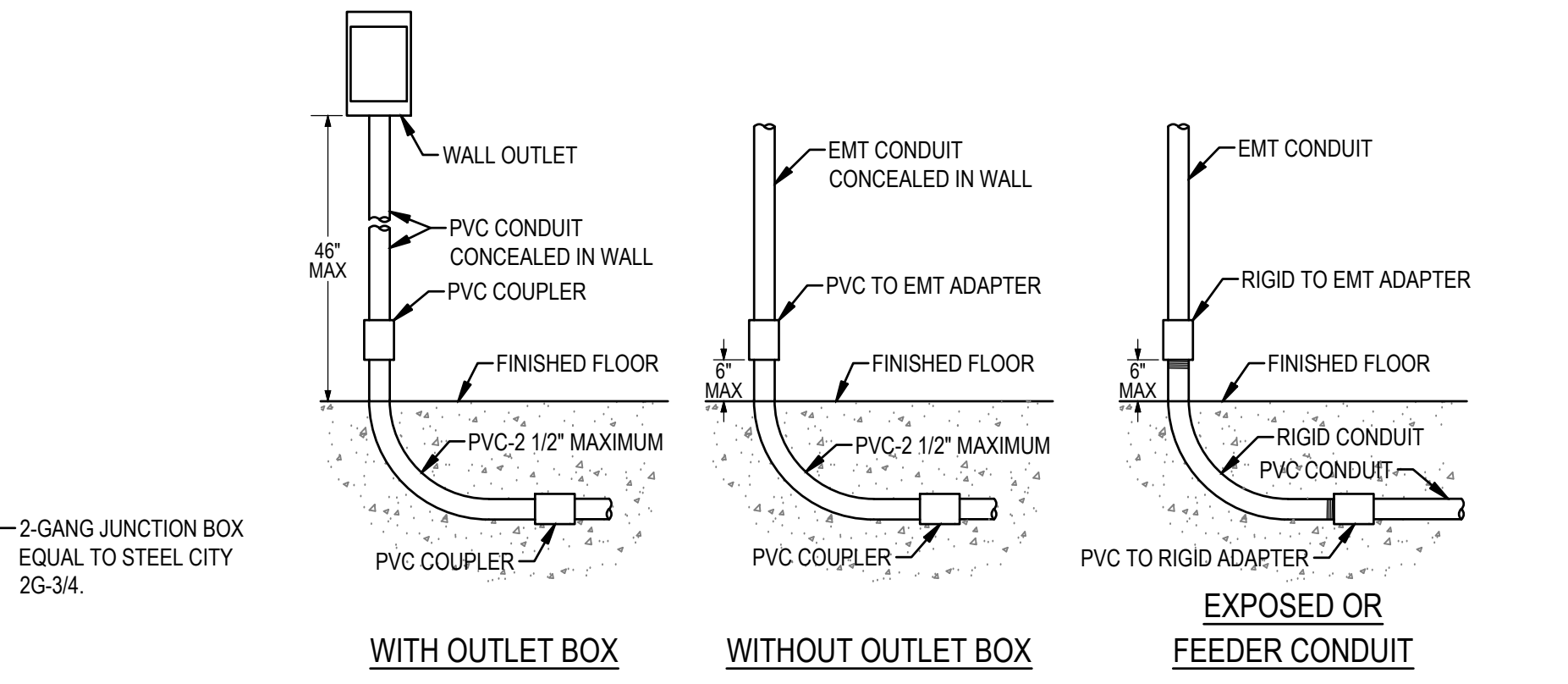
TYPICAL RECEPTACLE WIRING
NTS

KEYNOTES

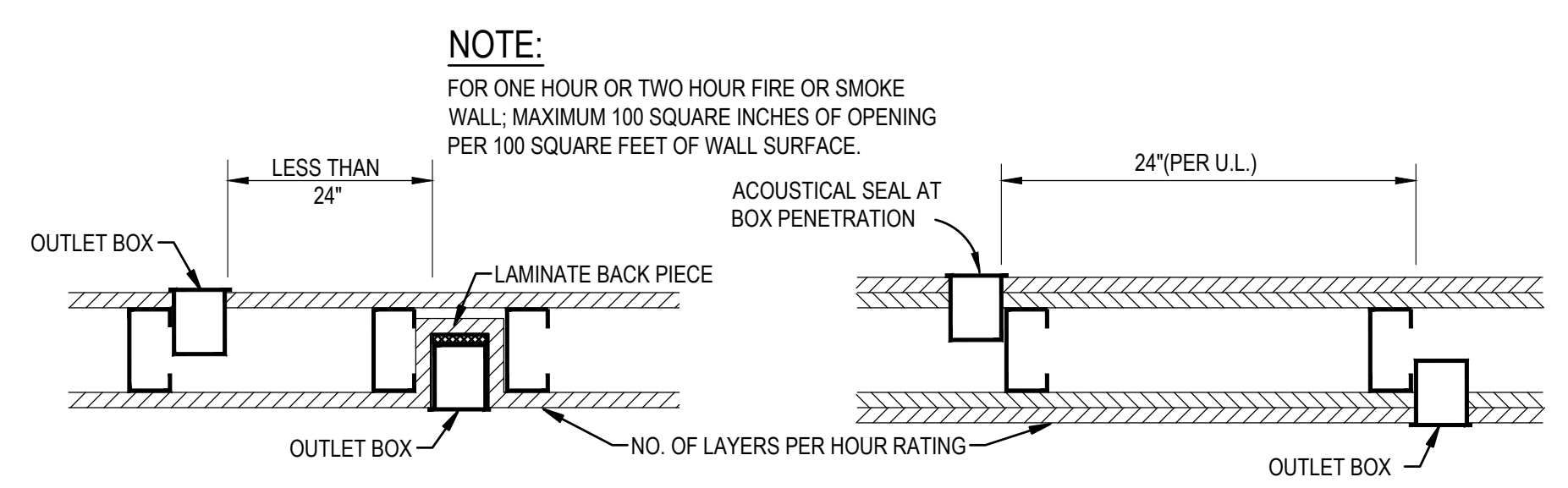
- WHITEBOARD: REFER TO ARCHITECTURAL DRAWINGS FOR EXACT SIZING, PROCUREMENT RESPONSIBILITY, AND INSTALLATION RESPONSIBILITY.
- OWNED-FURNISHED: CONTRACTOR-INSTALLED INTERACTIVE DISPLAY PANEL. COORDINATE WITH OWNER FOR EXACT MAKE AND MODEL.
- PROVIDE 12-GAUGE FLAT STRAPPING A MINIMUM OF 24\"/>



WALL PENETRATIONS
NOT TO SCALE

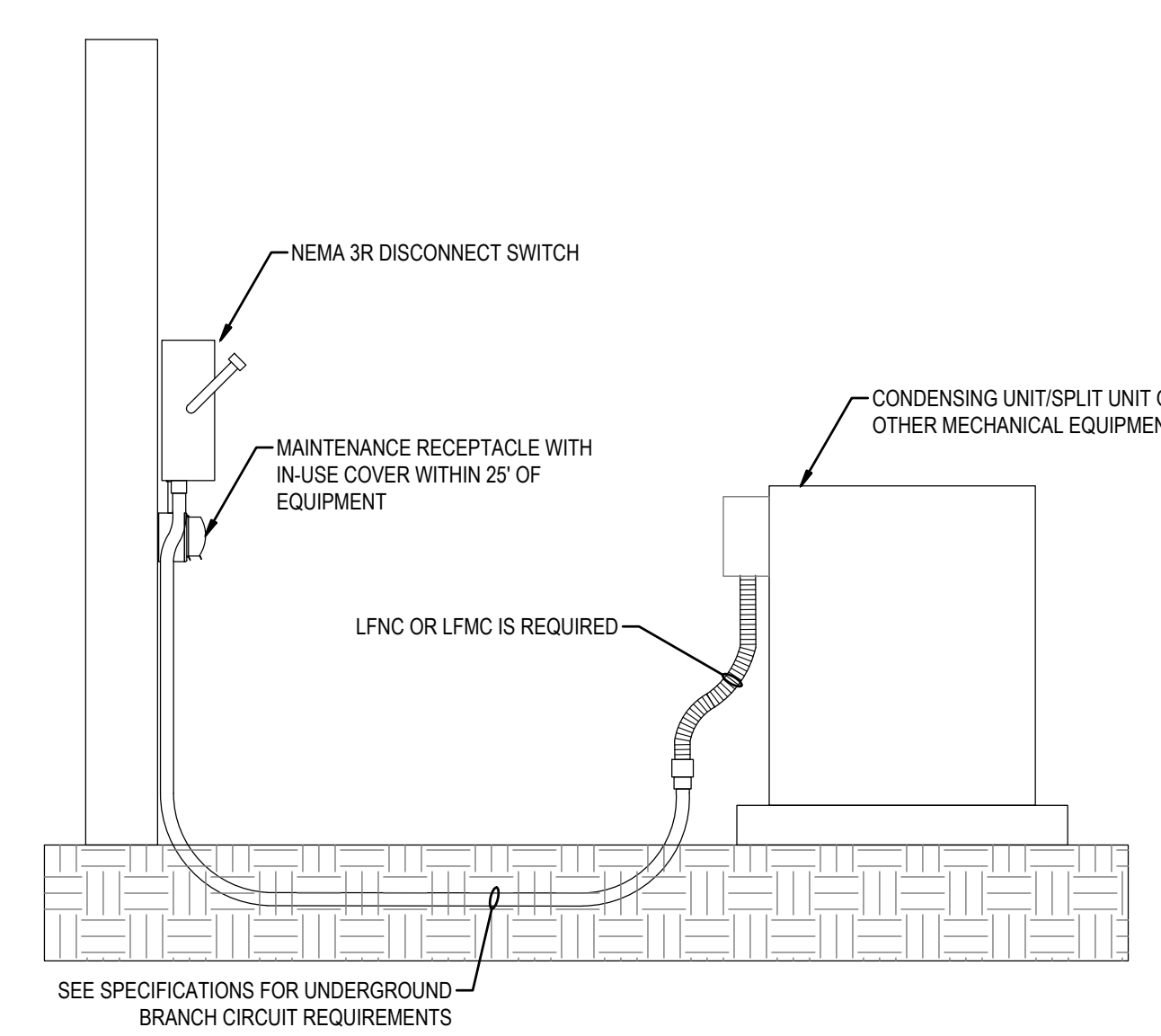


PVC STUB-UP DETAILS
NOT TO SCALE



FIVE SIDED ELECTRICAL BOX
ADJACENT ELECTRICAL BOXES

WALL DETAILS - ELECTRICAL BOX INSTALLATION
NOT TO SCALE



OUTDOOR MECHANICAL EQUIPMENT CONNECTION
NTS

REVISIONS:

NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:

	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN	--	--	04/09/26
BID DOCUMENTS	CC	DW	04/15/26
CONSTRUCTION DOCUMENTS	CC	DW	05/01/26
CONTRACT DOCUMENTS	--	--	--
CHECK PLAT	--	--	--

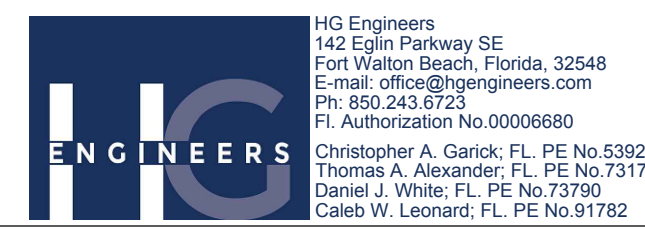
JRA ARCHITECTS 2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 26876

CONSULTANTS:

PROJECT:
ROSENWALD SCHOOL PHASE 1
BUILDING #2 REMODELING

PANAMA CITY
SHEET TITLE:
ELECTRICAL
DETAILS

SHEET NUMBER:
E5.1



IIG Engineers
142 Fifth Parkway SE
Fort Walton Beach, Florida, 32548
E-mail: office@iigengineers.com
Ph: 850.243.8723
FL Authorization No. 00006660
Christopher A. Garsick, FL PE No. 53924
Thomas A. Alexander, FL PE No. 53174
Daniel J. White, FL PE No. 73790
Casey W. Leonard, FL PE No. 61712

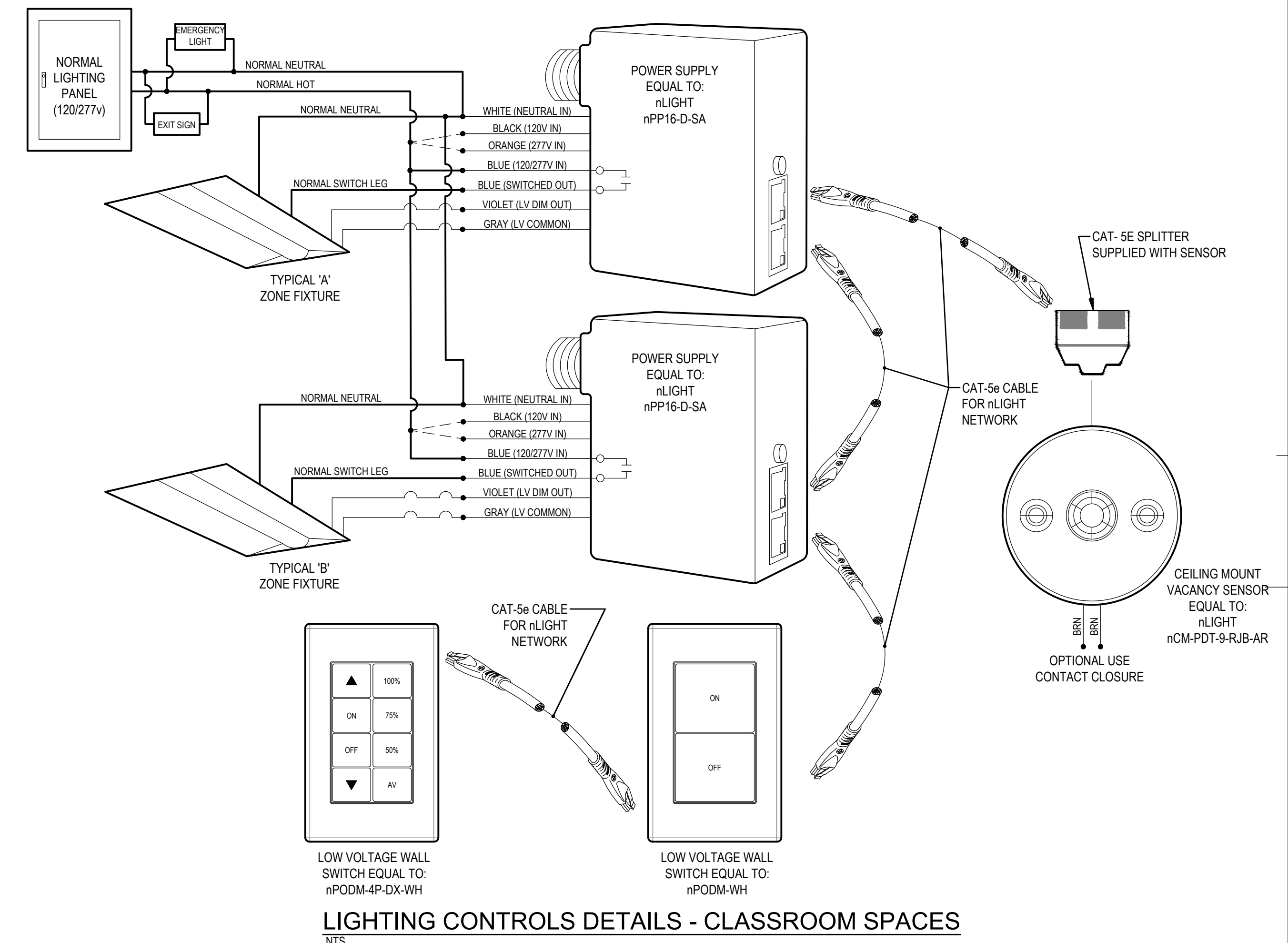
LIGHTING FIXTURE SCHEDULE										
Project: 26031 - Rosewald Convert Locker Rooms to Classrooms										
Note: Per electrical specifications, required alternate fixtures shall be submitted to the engineer for prior approval a minimum of (10) ten business days prior to bid date (unless indicated otherwise). Any required alternate fixtures not submitted for prior approval will not be reviewed.										
Luminaire Designation	Manufacturer	Catalog Number	Connected Voltage	Luminaire Load (va)	Lamping Source	Color Rendering Index (CRI)	Kelvin Temperature	Mounting	Comments	Prior Approved Equal Required
CF	TOPAZ	F-CFS-40W-50K-8Z-80	120V	40	LED	>70	5000K	CANOPY SURFACE		NO
DL	LITHONIA	LDN63620L06AR-LSS-TRW-MVOLT-G210	120V	23	LED	80	3500K	GYP CEILING RECESSED		NO
EM	LITHONIA	EIM2LM12	120V	5	LED	---	---	UNIVERSAL MOUNT		NO
L22	LITHONIA	2BLT2-20L-ADSM-G21-LP83S	120V	17	LED	80	3500K	GRID CEILING RECESSED		NO
L24	LITHONIA	2BLT4-48L-ADSM-G21-LP83S	120V	40	LED	80	3500K	GRID CEILING RECESSED		NO
SL1	LITHONIA	FEM-48-4000LM-IMAF-LMD-MVOLT-G210-35K-80CRI	120V	26	LED	80	3500K	CEILING SURFACE OR CHAIN HUNG		NO
X	LITHONIA	EXRG-ELN6	120V	1	LED	---	---	UNIVERSAL MOUNT		NO

Lighting Space and Zones		Sequence of Operations																
Space Type	Room Number	Zone	Description	CONTROL SCENARIOS										CONNECT TO NON-NETWORKED LOCAL ROOM CONTROL	Remarks			
				Manual On	Manual Off	Dimming	Multi-Level Control	Timed On	Timed Off	Occupancy Sensor On	Vacancy Sensor Off	Photo Sensor On/Off	SL1 (2 Buttons)			SL2 (2 Buttons)	SL3 (2 Buttons)	SL4 (Integral Sensor, Line Voltage)
Corridor	02-002	15																
Common Area Hallway	02-009	15		X	X													
Bathroom	TYPICAL	15		X	X													
Classroom	TYPICAL	40	ZONE-A	X	X	X	X							X	X			2-Button switch to control all zones for 'ON-OFF' control.
			ZONE-B															2-Button switch to control all zones for Dimming, Scenes and 'ON-OFF' control.
Storage	TYPICAL	10		X	X													
Covered Canopy Lighting	n/a	0.5						X	X					X				
Building Exterior Security Lighting	n/a	5												X				

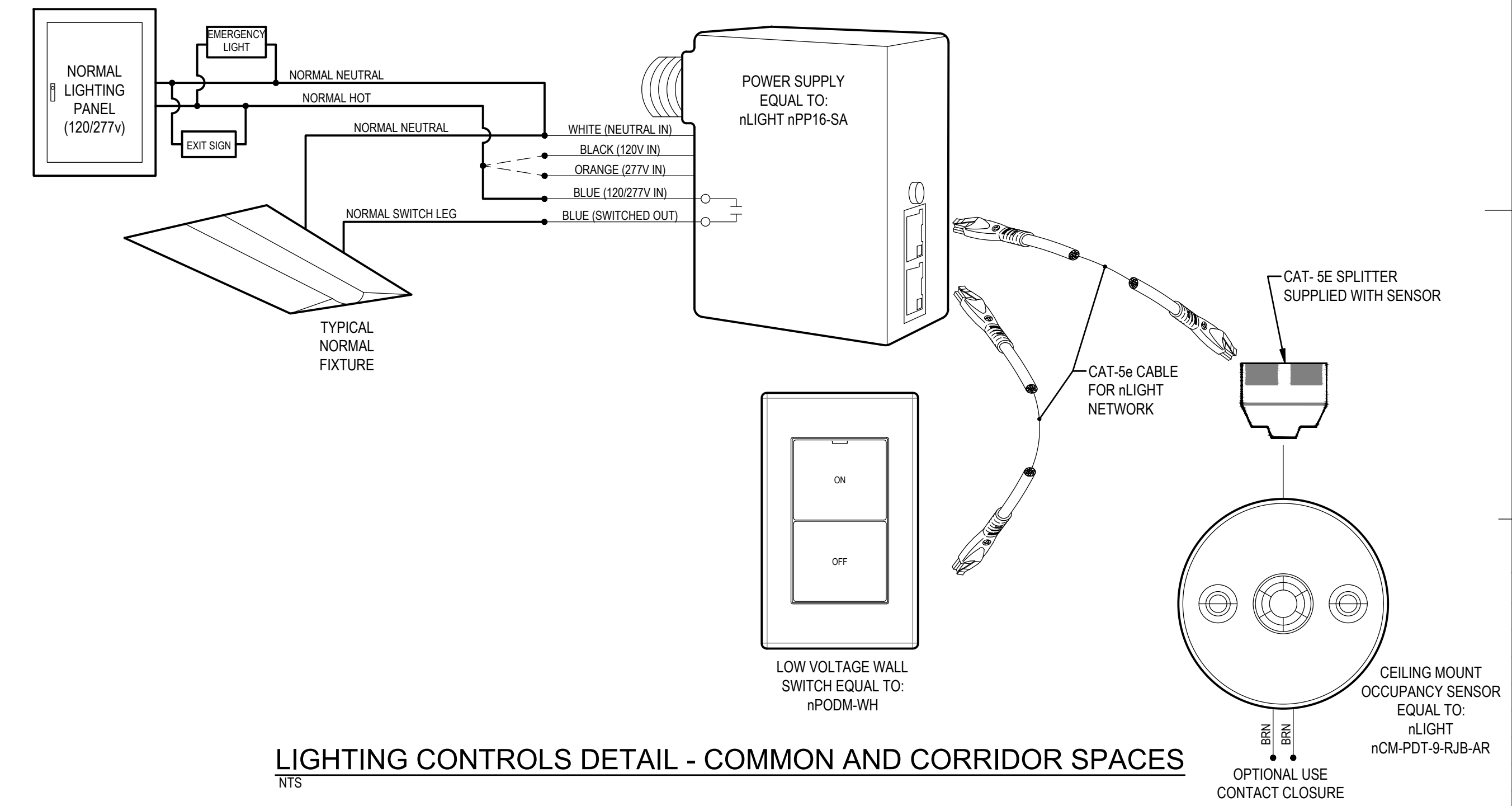
LIGHTING CONTROL GENERAL NOTES

- THE DIAGRAMS ARE NOT INTENDED TO SHOW EXACT QUANTITIES OF DEVICES. REFER TO PLAN FOR ESTIMATED DEVICE QUANTITIES AND LOCATIONS.
- THE LIGHTING CONTROL SYSTEM BASIS OF DESIGN IS NIGHT L.C. PRODUCTS.
- THE LOCAL DEVICE INTERCONNECTIONS FOR ALL LIGHTING CONTROL DEVICES SHALL BE OF THE TOPOLOGY FREE TYPE.
- COLORS FOR ALL DEVICES AND DEVICE COVERS SHALL BE SELECTED BY THE ARCHITECT.
- PROVIDE ADDITIONAL POWER AND CONTROL MODULES AS RECOMMENDED BY THE SYSTEM SUPPLIER.
- THE DIAGRAMS REPRESENT A TYPICAL SYSTEM AND ARE NOT INTENDED FOR INSTALLATION. SYSTEM SUPPLIER SHALL PROVIDE INSTALLATION DRAWINGS AND WIRING DIAGRAMS.
- E.C. SHALL COORDINATE FIELD PROGRAMMING OF LIGHTING CONTROL SYSTEM WITH SYSTEM PROGRAMMER, SPECIFYING ENGINEER, AND OWNER TO ENSURE PROPER OPERATION AND TIME SCHEDULES.
- ALL EMERGENCY AND EXIT LIGHTING CIRCUITS SHALL BE CONNECTED TO CONTINUOUS POWER SOURCE AHEAD OF RELAY PANEL OR INDIVIDUAL RELAY COMPONENTS.
- INSTALL ALL CEILING SENSORS MINIMUM OF 6FT CLEAR OF DUCT REGISTERS. PROVIDE 6FT. OF SLACK CONDUCTOR TO ALLOW FOR FIELD ADJUSTMENT.
- PROGRAMMER / COMMISSIONING AGENT SHALL BE CERTIFIED BY THE EQUIPMENT MANUFACTURER ON THE SYSTEM INSTALLED.
- THE MANUFACTURER CERTIFIED TECHNICIAN WILL MEET ON SITE WITH THE ELECTRICAL CONTRACTORS TO COORDINATE INSTALLATION DETAILS. REVIEW BEST PRACTICES, AND DISCUSS PROJECT SPECIFIC CHALLENGES. PRIOR TO THE INSTALLATION BEING STARTED, ENABLING THE CONTRACTORS TO WORK WITH THE TECHNICIAN TO PREPARE AND MAKE CHANGES UP FRONT.
- THE MANUFACTURER'S LIGHTING SYSTEMS TEAM SHALL WORK ON SITE AFTER FIXTURE AND CONTROLS INSTALLATION IS COMPLETED. THE MANUFACTURER'S AGENT IS TO VERIFY THE PROJECT IS REVIEWED AND CHECKED FOR PROPER WIRING, INSTALLATION AND FUNCTIONALITY OF THE SYSTEM AS A WHOLE. ANY PROBLEMS SHALL BE ADDRESSED AND RESOLVED WITH THE ON SITE CONTRACTORS.
- MANUFACTURER'S TECHNICIANS SHALL MAP OUT THE FIXTURE LOCATIONS AND ADDRESSES WITHIN THE LIGHTING CONTROL SOFTWARE. ASTRONOMIC TIME/CLOCK EVENTS, SCENES, AND SCHEDULES ARE PROGRAMMED ACCORDING TO A PRE-DEFINED SCRIPT. THESE EVENTS, SCENES, AND SCHEDULES ARE TESTED AND FINALIZED FOR FINAL APPROVAL BY THE PROJECT'S OWNERSHIP.
- MANUFACTURER'S TECHNICIANS SHALL PROVIDE TRAINING FOR SYSTEM USERS AND THE SYSTEM MAINTENANCE TEAM. THE DETAILS OF THE TECHNOLOGY SHALL BE COVERED FROM A MAINTENANCE AND TROUBLESHOOTING POINT OF VIEW. THIS COVERS THE LIGHTING CONTROL SYSTEM AND ITS CORE FUNCTIONALITY, WITH A FOCUS ON HOW TO EDIT EXISTING SCENES AND ASTRONOMIC LIGHTING EVENTS.
- THE MANUFACTURER'S REPRESENTATIVE SHALL PROVIDE IN-DEPTH TRAINING, MINIMUM OF 4-HOURS, TO THE END USER ON MANAGING THE SPECIFIC CONTROL SYSTEM, GIVING THEM THE TOOLS AND KNOWLEDGE TO OPERATE THEIR SYSTEM.

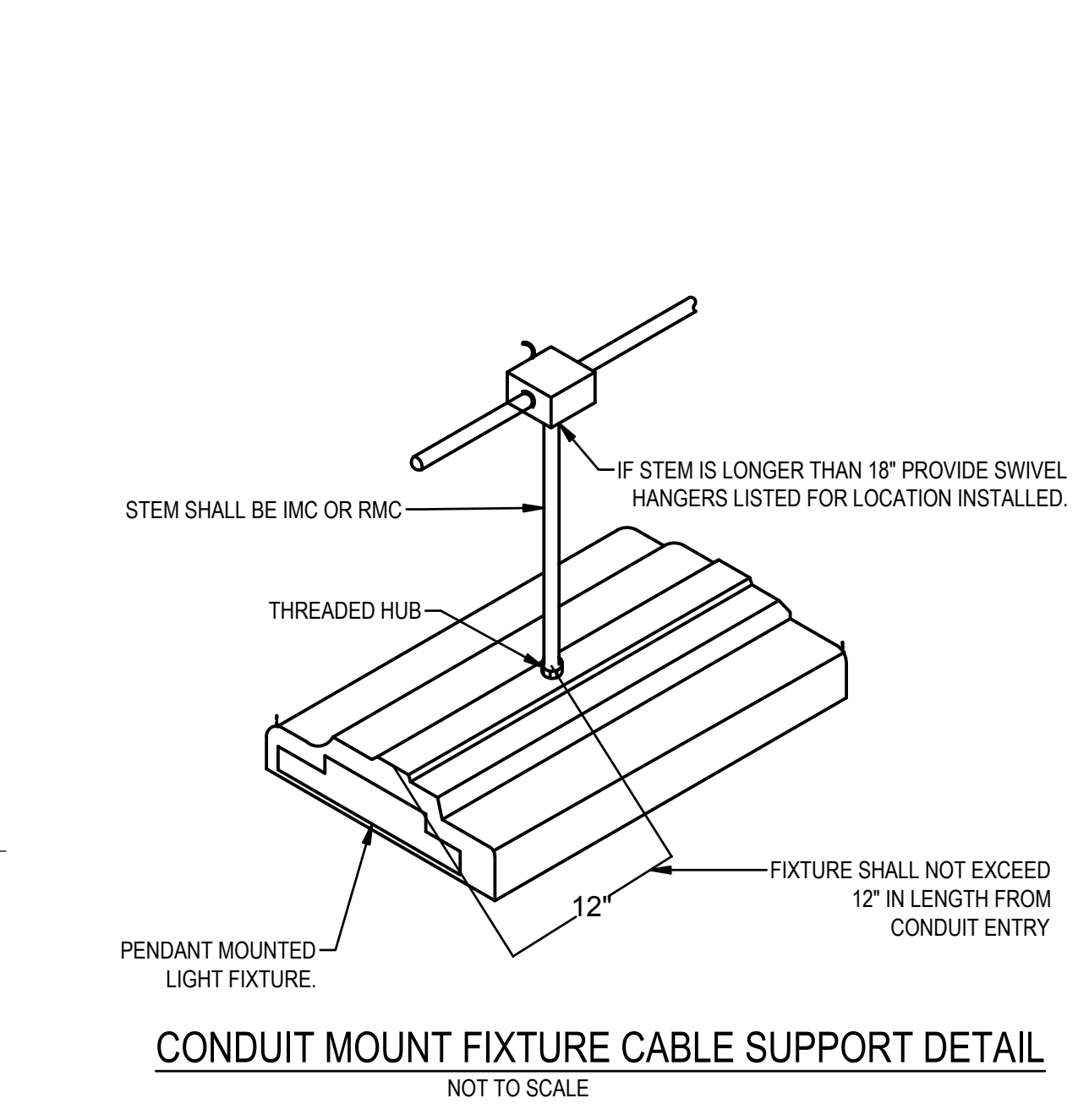
SWITCH ENGRAVING NOTE
 ALL DATA LINE SWITCHES SHALL INCLUDE CUSTOM ENGRAVED LABEL INDICATING FUNCTION OF SWITCH. EXACT LABEL DESCRIPTIONS ARE PROVIDED IN BOTH THE LIGHTING CONTROL DETAILS AND THE SWITCH MATRIX. INCLUDE SWITCH LABELING IN SUBMITTALS FOR ENGINEER AND OWNER REVIEW.



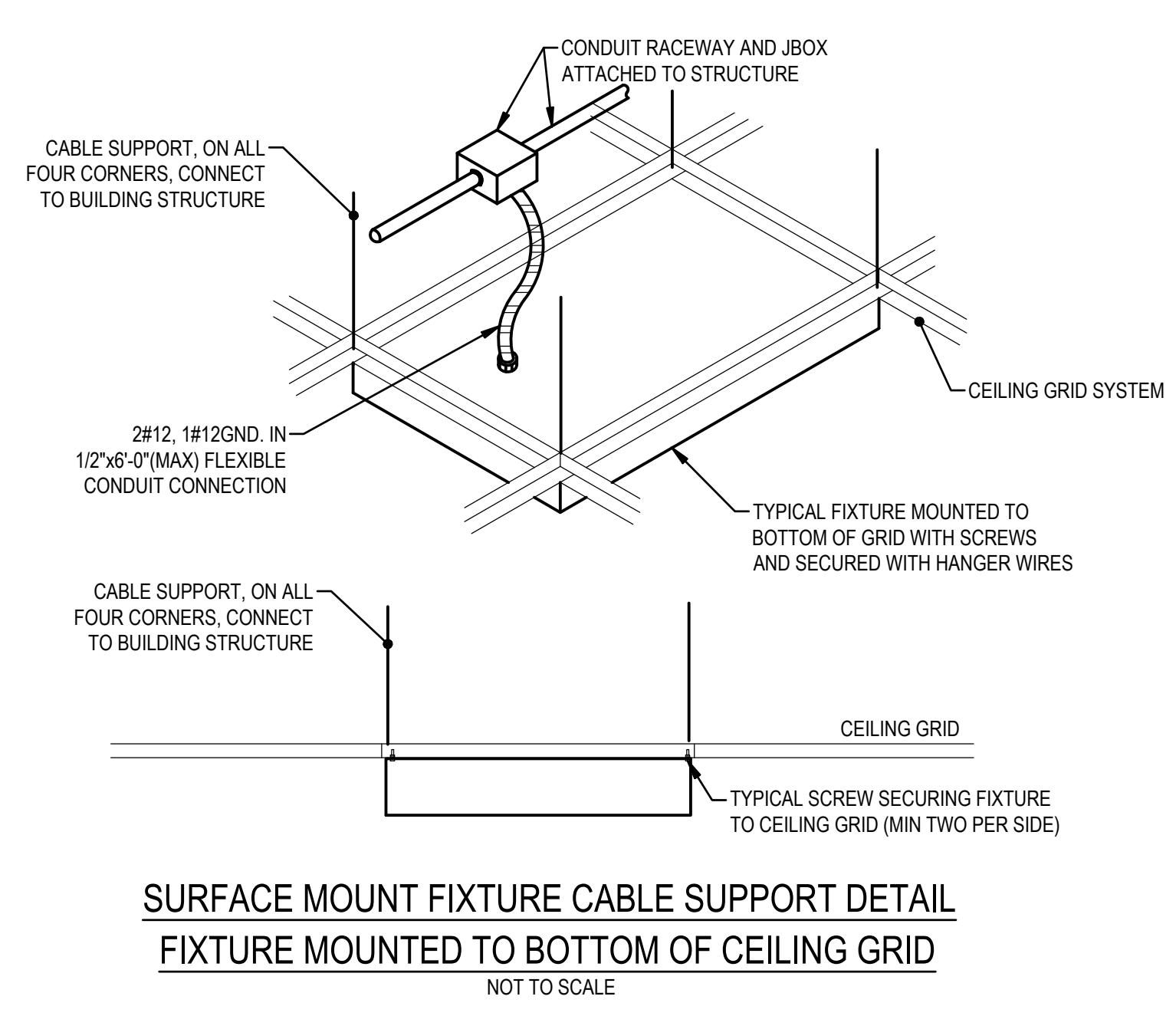
LIGHTING CONTROLS DETAILS - CLASSROOM SPACES
NTS



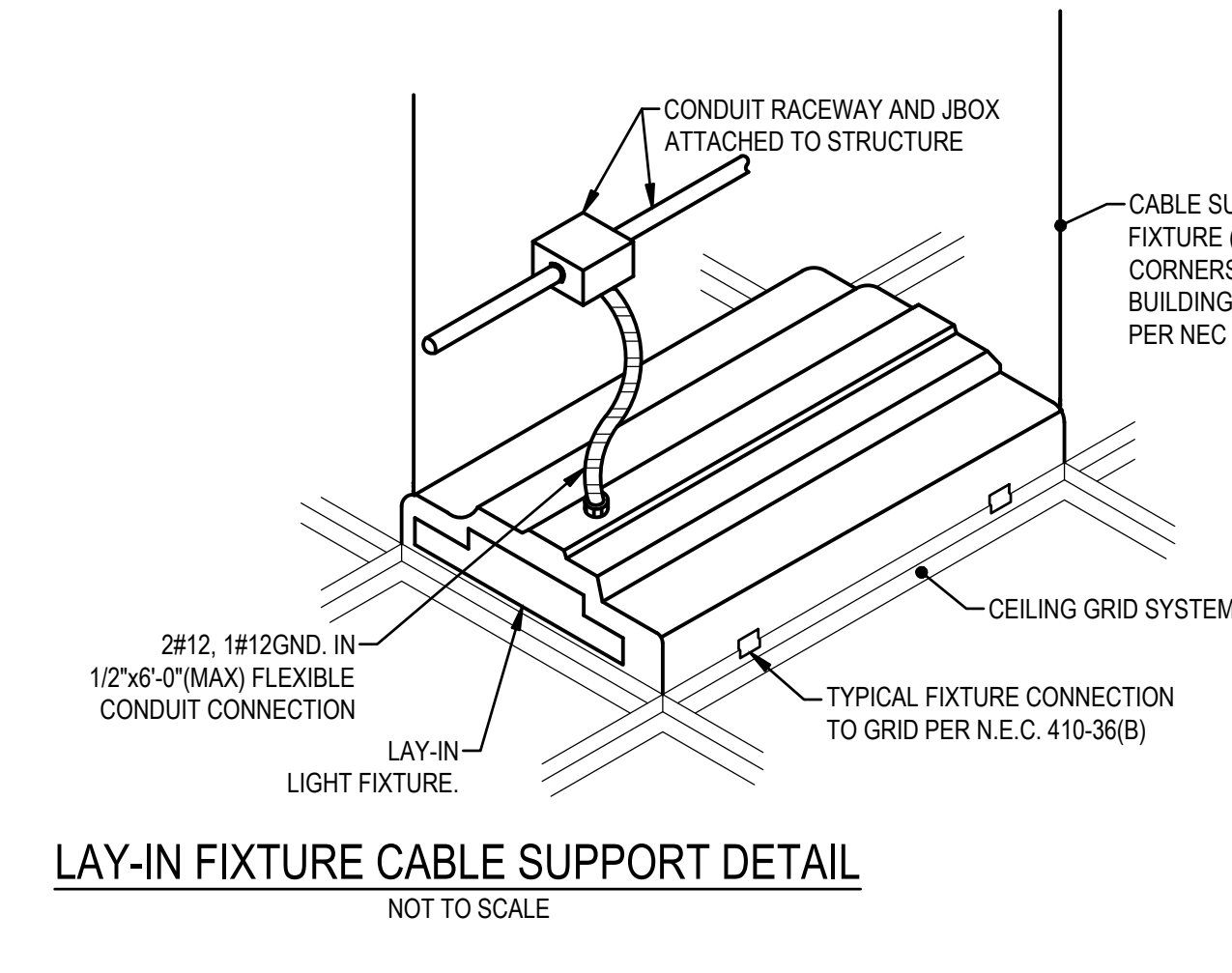
LIGHTING CONTROLS DETAIL - COMMON AND CORRIDOR SPACES
NTS



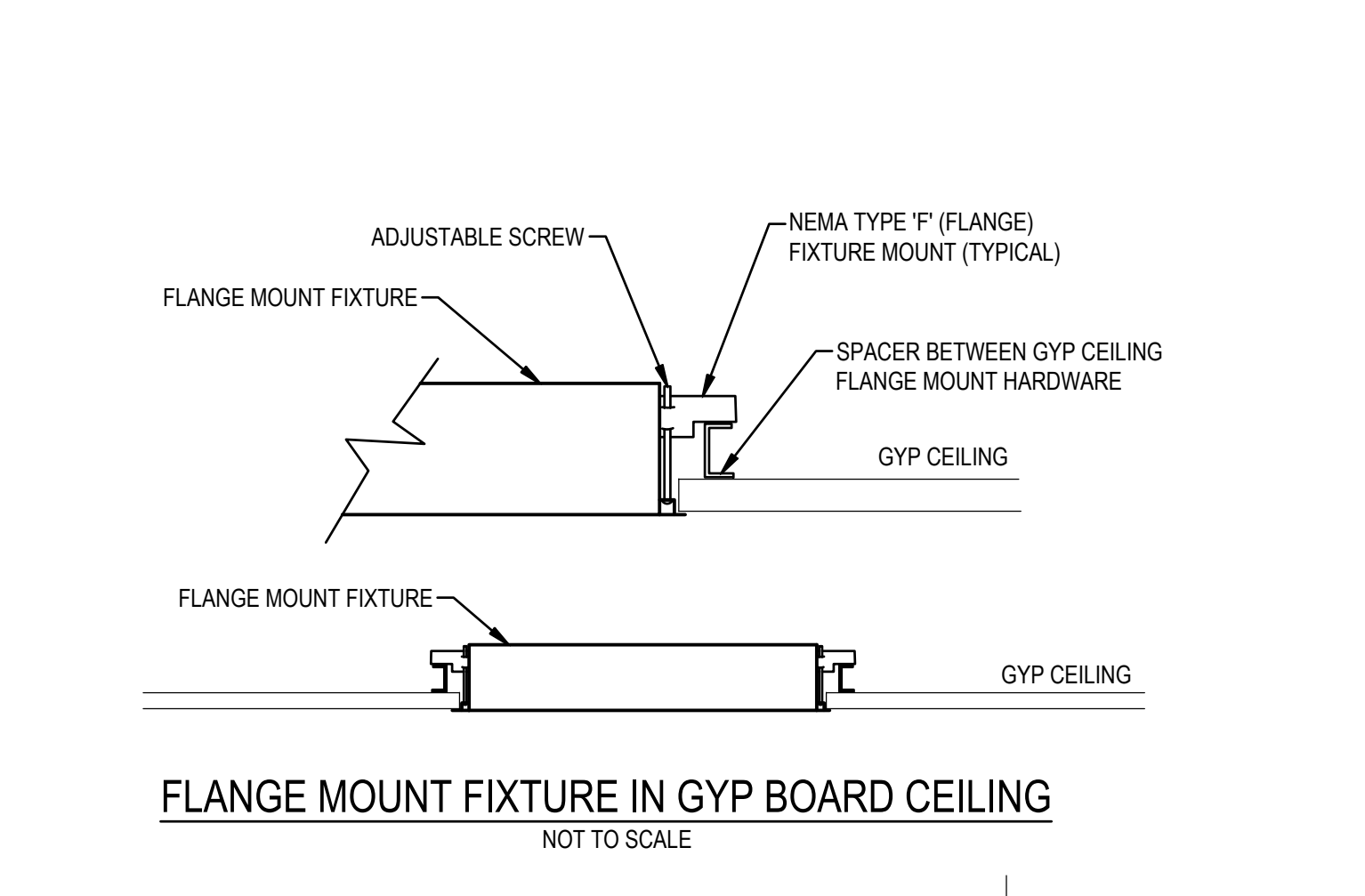
CONDUIT MOUNT FIXTURE CABLE SUPPORT DETAIL
NOT TO SCALE



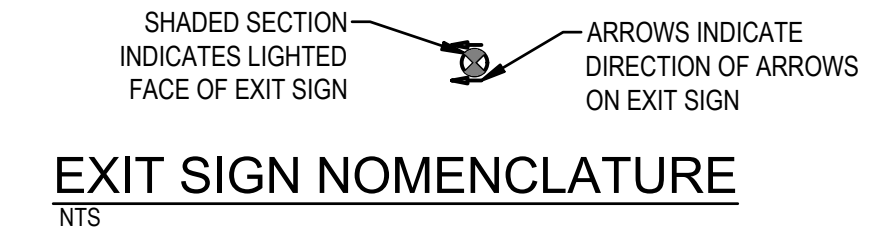
SURFACE MOUNT FIXTURE CABLE SUPPORT DETAIL
FIXTURE MOUNTED TO BOTTOM OF CEILING GRID
NOT TO SCALE



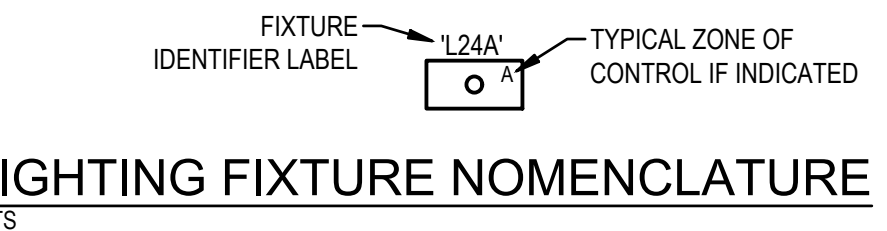
LAY-IN FIXTURE CABLE SUPPORT DETAIL
NOT TO SCALE



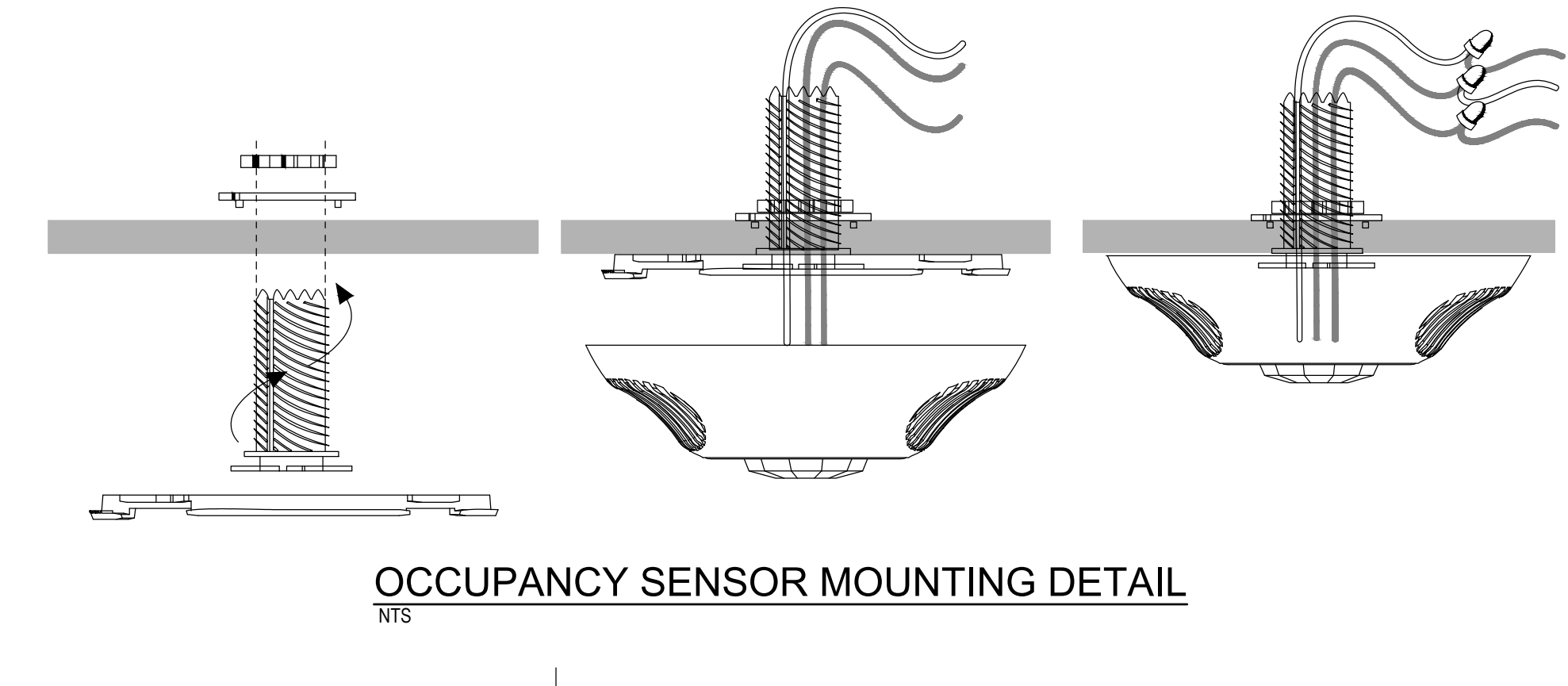
FLANGE MOUNT FIXTURE IN GYP BOARD CEILING
NOT TO SCALE



EXIT SIGN NOMENCLATURE
NTS



LIGHTING FIXTURE NOMENCLATURE
NTS



OCCUPANCY SENSOR MOUNTING DETAIL
NTS

REVISIONS:

NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:

PHASE	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN	--	--	04/09/26
BID DOCUMENTS	CC	DW	04/15/26
CONSTRUCTION DOCUMENTS	CC	DW	05/07/26
CONTRACT DOCUMENTS	--	--	--
CHECK PLAN	--	--	--

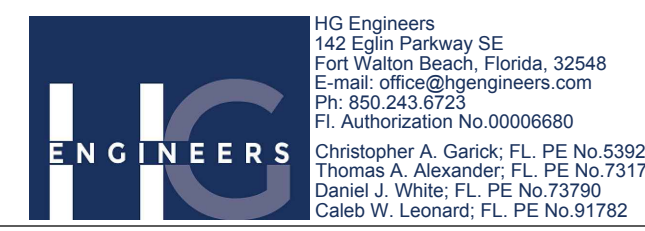
JRA ARCHITECTS 2211 NAVY BLVD., STE 100
 PANAMA CITY BEACH, FL
 PHONE: (850) 236-9832
 Commission Number: 26876

CONSULTANTS:

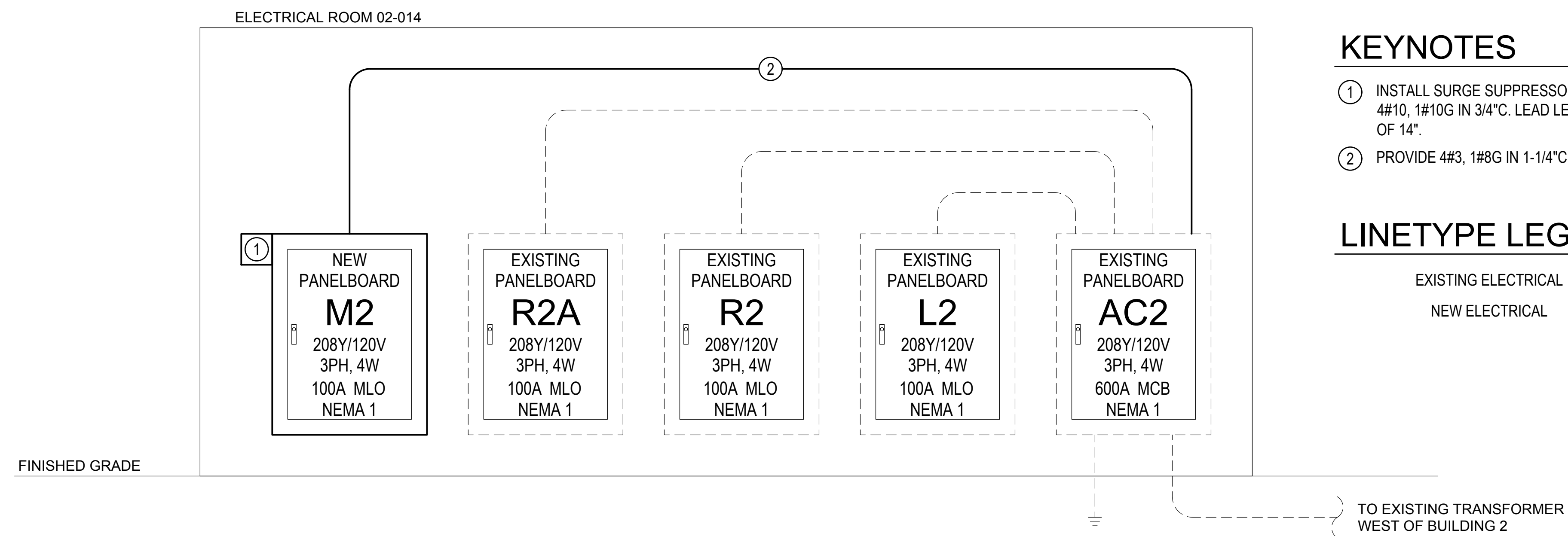
PROJECT:
 ROSEWALD SCHOOL PHASE 1
 BUILDING #2 REMODELING

PANAMA CITY
 SHEET TITLE:
 LIGHTING CONTROL
 DETAILS

SHEET NUMBER: E5.2



IIC Engineers
 142 Light Pathway SE
 Fort Walton Beach, Florida, 32548
 E-mail: office@iicengineers.com
 Ph: 850.243.8723
 FL Authorization No. 00006660
 Christopher A. Garick, FL PE No. 53924
 Thomas A. Alexander, FL PE No. 53172
 Daniel J. White, FL PE No. 73790
 Caleb W. Leonard, FL PE No. 81782



KEYNOTES

- ① INSTALL SURGE SUPPRESSOR IN BREAKER POSITION NEAREST NEUTRAL BAR WITH 4#10, 1#10G IN 3/4" C. LEAD LENGTH SHALL NOT EXCEED UL 1449 4TH EDITION TEST OF 14".
- ② PROVIDE 4#3, 1#8G IN 1-1/4" C TO FEED NEW PANEL M2 FROM PANEL AC2.

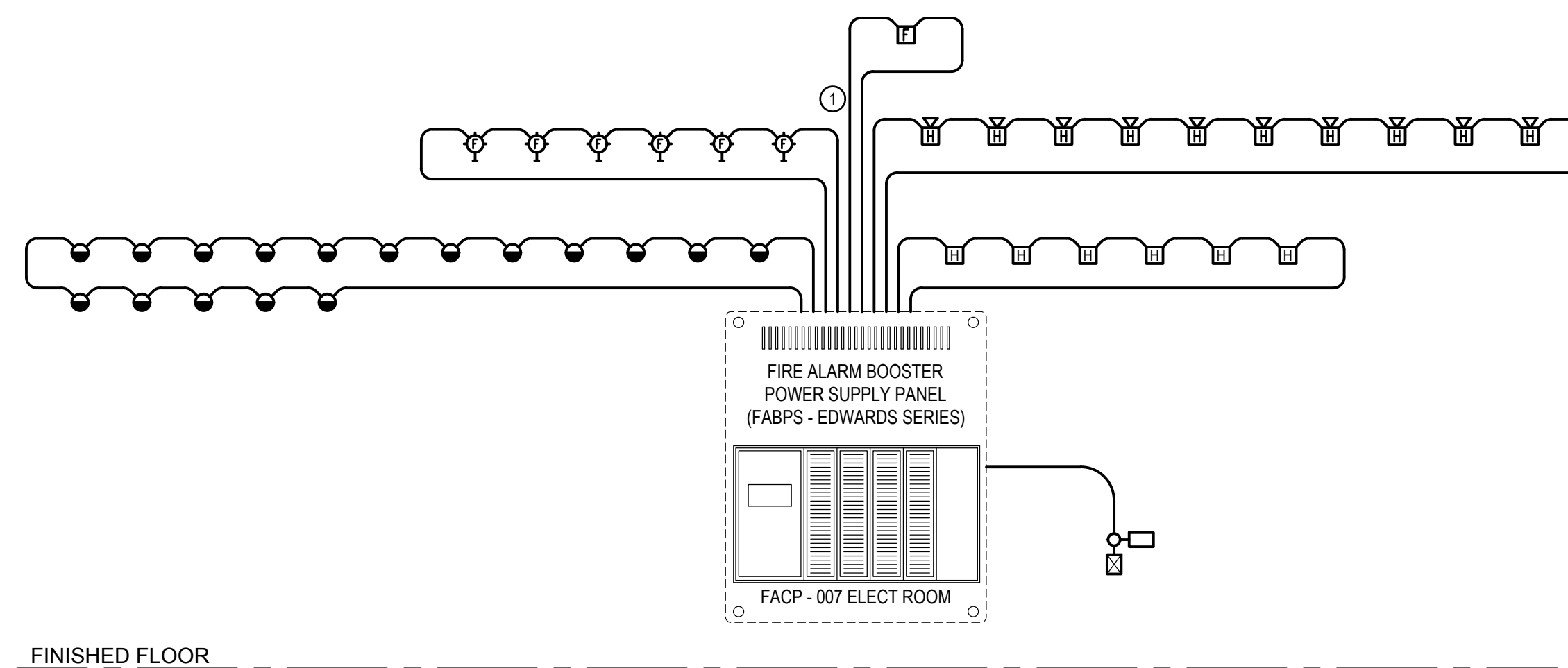
LINETYPE LEGEND

EXISTING ELECTRICAL

NEW ELECTRICAL

SINGLE LINE POWER RISER DIAGRAM

NTS



FIRE ALARM RISER GENERAL NOTES

1. THIS DIAGRAM IS NOT INTENDED TO SHOW EXACT QUANTITIES OF DEVICES. REFER TO PLAN FOR DEVICE QUANTITIES AND LOCATIONS.
2. THE RISER REPRESENTS A TYPICAL SYSTEM AND IS NOT INTENDED FOR INSTALLATION. SYSTEM SUPPLIER SHALL PROVIDE INSTALLATION DRAWINGS AND WIRING DIAGRAMS.
3. PROVIDE ADDITIONAL MONITOR AND CONTROL MODULES AS RECOMMENDED BY THE SYSTEM SUPPLIER.
4. FIRE ALARM SYSTEM SHALL HAVE U.L. APPROVED DIGITAL ALARM DIALER/COMMUNICATOR TO SEND ALARM SIGNAL TO MONITORING SERVICE.
5. FIRE ALARM SYSTEM LOW VOLTAGE SOURCE AND BATTERY STAND-BY SHALL ENERGIZE ALL ITEMS IN FIRE ALARM SYSTEM THAT REQUIRE POWER.
6. REFER TO MECHANICAL DRAWINGS FOR SMOKE AND/OR SMOKE/FIRE DAMPER LOCATIONS. CONNECT TO FIRE ALARM SYSTEM AND TO 120V POWER.
7. VERIFY LOCATION AND QUANTITIES OF FLOW AND TAMPER SWITCHES WITH SPRINKLER CONTRACTOR.

LEGEND

———— NEW FIRE ALARM WIRING

----- EXISTING FIRE ALARM

KEYNOTES

- ① FIRE ALARM SYSTEMS BASED IN THE GYM ARE EXISTING TO REMAINED.

FIRE ALARM SYSTEM RISER

NTS

REVISIONS:

NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:

	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN	--	--	04/09/26
BID DOCUMENTS	CC	DW	04/15/26
CONSTRUCTION DOCUMENTS	CC	DW	05/01/26
CONTRACT DOCUMENTS	--	--	--
CHECK PLOT	--	--	--

JRA ARCHITECTS 2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 26876

CONSULTANTS:

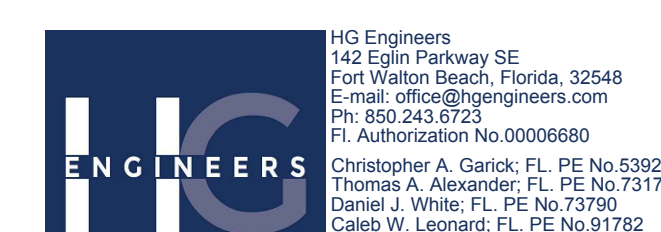
PROJECT:

ROSENWALD SCHOOL PHASE I
BUILDING #2 REMODELING

PANAMA CITY

SHEET TITLE:
SINGLE LINE
RISER DIAGRAMS

SHEET NUMBER: 26031
Job No. E6.1



HIG ENGINEERS
142 Eighth Parkway SE
Fort Walton Beach, Florida, 32548
E-mail: office@higengineers.com
Ph: 850.243.8723
FL Authorization No. 00006660
Christopher A. Garsick, FL PE No. 03924
Thomas A. Alexander, FL PE No. 13172
Daniel J. White, FL PE No. 73790
Caleb W. Leonard, FL PE No. 01762

EXISTING MAIN PANELBOARD										
AC2										
SYSTEM			208/120V		3Ø		4W			
RATING			600A		M.L.O.		22,000 AIC MINIMUM			
ENCLOSURE			NEMA 1		SURFACE MOUNT					
OPTIONS CUTLER HAMMER PRL3A SERIES; BOLT ON BREAKERS										
CKT #	SERVING	CKT BKR	CONNECTED LOAD (VA)		CKT BKR	SERVING		CKT #		
		TRIP	POLE		TRIP	POLE				
1								2		
3	PANEL R2	100 A	3	2870	---	3	30 A	BYM EXHAUST FAN	4	
5								6		
7								8		
9	PANEL R2A	100 A	3	30751	24000	3 *	80 A	INH-1	10	
11								12		
13	AHU-2.1	40 A	2 *	6789	6789	2 *	40 A	AHU-2.4	14	
15								16		
17	AHU-2.2	40 A	2 *	6789	6789	2 *	40 A	AHU-2.5	18	
19								20		
21	AHU-2.3	40 A	2 *	6789	6789	2 *	40 A	AHU-2.8	22	
23								24		
25								26		
27	PANEL L2	100 A	3 **	24293	---	3	30 A	BYM EXHAUST FAN	28	
29								30		
31	AHU-2.7	40 A	2 *	6789	---	3	30 A	SURGE PROTECTIVE DEVICE (SPD)	32	
33								34		
35	AHU-2.8	40 A	2 *	6789	---	3	30 A	SURGE PROTECTIVE DEVICE (SPD)	36	
37								38		
39	SCAGHS PORTABLE	100 A	2 ***	8330	26456	3 *	100 A	PANEL M2	40	
41								42		
TOTAL CONNECTED LOAD =			196852 VA		/		360		= 546.8 A	

NOTES:
 GREYED BACK TEXT INDICATES EXISTING TO REMAIN. EMBOLDENED TEXT INDICATES NEW TO BE PROVIDED.
 * PROVIDE NEW BREAKER AS SPECIFIED, IN SAME LOCATION OF EXISTING BREAKER. INSTALL DEMOLISHED 201 BREAKERS IN PANEL L2 AND TURN OVER ALL OTHER DEMOLISHED BREAKERS TO BOS FACILITIES UPON COMPLETION OF PROJECT.
 ** RELOCATE EXISTING 1003 BREAKER ON CIRCUIT UPWARD TO MAKE SPACE FOR ADDITIONAL 3-POLE BREAKERS BELOW.
 *** RELOCATE EXISTING 1002 BREAKER ON CIRCUIT 40,42 TO CIRCUIT 30,41 THEREBY MAKING SPACE FOR NEW 1003 BREAKER ACROSS.

EXISTING LIGHTING PANELBOARD										
L2										
SYSTEM			208/120V		3Ø		4W			
RATING			225A		M.L.O.		10,000 AIC MINIMUM			
ENCLOSURE			NEMA 1		SURFACE MOUNT					
OPTIONS CUTLER HAMMER PRL3A SERIES; BOLT ON BREAKERS										
CKT #	SERVING	CKT BKR	CONNECTED LOAD (VA)		CKT BKR	SERVING		CKT #		
		TRIP	POLE		TRIP	POLE				
1	LTG - NORTHERN CLASSROOMS	30 A	1	920	1440	1	20 A	LTG - GYMNASIUM	2	
3	LTG - CENTRAL HALL, RR, UTIL & EXHAUST FANS	30 A	1	993	1440	1	20 A	LTG - GYMNASIUM	4	
5	LTG - SOUTHERN CLASSROOMS, EASTERN CORRIDOR	30 A	1	1340	1440	1	20 A	LTG - GYMNASIUM	6	
7	SPARE	30 A	1	---	---	1	20 A	SPARE	8	
9	SPARE	30 A	1	---	---	1	20 A	SPARE	10	
11	SPARE	30 A	1	---	---	1	20 A	SPARE	12	
13	SPARE	30 A	1	---	---	1	20 A	SPARE	14	
15	SPARE	30 A	1	---	---	1	20 A	SPARE	16	
17	SPARE	30 A	1	---	---	1	20 A	SPARE	18	
19	SPARE	30 A	1	---	---	1	20 A	SPARE	20	
21	LTG - EXTERIOR	30 A	1	960	---	1	30 A	LTG - GYMNASIUM HIGH BAY	22	
23	LTG - EXTERIOR	30 A	1	960	---	1	20 A	SPARE	24	
25	SPARE	30 A	1	---	---	1	20 A	SPARE	26	
27	SPARE	30 A	1	---	---	1	20 A	SPARE	28	
29	SPARE	30 A	1	---	---	1	20 A	SPARE	30	
31	SPARE	30 A	1	---	---	1	20 A	SPARE	32	
33	SPARE	30 A	1	---	---	1	20 A	SPARE	34	
35	SPARE	30 A	1	---	---	1	20 A	SPARE	36	
37	SPARE	30 A	1	---	---	1	20 A	SPARE	38	
39	SPARE	30 A	1	---	---	1	20 A	SPARE	40	
41	SPARE	30 A	1	---	---	1	20 A	SPARE	42	
TOTAL CONNECTED LOAD =			24293 VA		/		360		= 67.5 A	

NOTES:
 GREYED BACK TEXT INDICATES EXISTING TO REMAIN. EMBOLDENED TEXT INDICATES NEW TO BE PROVIDED.
 * INSTALL DEMOLISHED 201 BREAKER FROM PANEL AC2 IN THE LOCATION SPECIFIED.
 ** INSTALL DEMOLISHED 301 BREAKER FROM PANEL R2A IN THE LOCATION SPECIFIED.
 *** INSTALL DEMOLISHED 302 BREAKER FROM PANEL R2 IN THE LOCATION SPECIFIED.

EXISTING POWER PANELBOARD										
R2										
SYSTEM			208/120V		3Ø		4W			
RATING			225A		M.L.O.		10,000 AIC MINIMUM			
ENCLOSURE			NEMA 1		SURFACE MOUNT					
OPTIONS CUTLER HAMMER PRL3A SERIES; BOLT ON BREAKERS										
CKT #	SERVING	CKT BKR	CONNECTED LOAD (VA)		CKT BKR	SERVING		CKT #		
		TRIP	POLE		TRIP	POLE				
1	EXPRESSOR	20 A	1	1000	720	1	20 A	REC - GYM	2	
3	REC - 003 - DEDICATED - TEACHERS DESK	20 A	1	360	720	1	20 A	REC - GYM	4	
5	REC - 003 - EAST WALL	20 A	1	300	720	1	20 A	REC - GYM	6	
7	REC - 003 - NORTH WALL	20 A	1	1180	720	1	20 A	REC - GYM	8	
9	REC - 003 - DEDICATED - CHARGING STATION	20 A	1	600	720	1	20 A	REC - GYM	10	
11	REC - 003 - SOUTH WALL	20 A	1	720	720	1	20 A	REC - GYM	12	
13	REC - 004 - DEDICATED - TEACHERS DESK	20 A	1	360	1080	1	20 A	REC - 004 - WEST WALL	14	
15	REC - 004 - NORTH WALL	20 A	1	1180	600	1	20 A	REC - 004 - DEDICATED - CHARGING STATION	16	
17	REC - 004 - SOUTH WALL	20 A	1	900	360	1	20 A	REC - 005 - DEDICATED - TEACHERS DESK	18	
19	REC - 005 - NORTHWEST WALL	20 A	1	1180	720	1	20 A	REC - 005 - DEDICATED - TEACHERS DESK	20	
21	REC - 005 - DEDICATED - CHARGING STATION	20 A	1	600	900	1	20 A	REC - 005 - SOUTH WALL	22	
23	REC - 006 - DEDICATED - TEACHERS DESK	20 A	1	360	720	1	20 A	REC - 006 - WEST WALL	24	
25	REC - 006 - NORTH WALL	20 A	1	900	900	1	20 A	REC - 006 - WEST WALL	26	
27	REC - 006 - SOUTH WALL	20 A	1	1180	360	1	20 A	REC - 006 - WEST WALL	28	
29	REC - 006 - DEDICATED - CHARGING STATION	20 A	1	600	820	1	20 A	REC - 015 - DEDICATED - TEACHERS DESK	30	
31	SECURITY SYSTEM TERMINAL CABINET (SSTC)	20 A	1	600	720	1	20 A	REC - 015 - NORTHWEST WALL	32	
33	REC - 015 - WEST WALL	20 A	1 *	900	360	1	20 A	REC - 016 - NORTHWEST WALL	34	
35	REC - 015 - DEDICATED - CHARGING STATION	20 A	1 *	600	820	1	20 A	REC - 016 - NORTHWEST WALL	36	
37	REC - 016 - WEST WALL	20 A	1	900	---	3	30 A	SURGE PROTECTIVE DEVICE (SPD)	38	
39	REC - 016 - EAST WALL	20 A	1	720	---	3	30 A	SURGE PROTECTIVE DEVICE (SPD)	40	
41	REC - 016 - DEDICATED - CHARGING STATION	20 A	1	600	---	3	30 A	SURGE PROTECTIVE DEVICE (SPD)	42	
TOTAL CONNECTED LOAD =			28720 VA		/		360		= 79.8 A	

NOTES:
 GREYED BACK TEXT INDICATES EXISTING TO REMAIN. EMBOLDENED TEXT INDICATES NEW TO BE PROVIDED.
 * PROVIDE NEW 201 BREAKER IN SAME LOCATION OF EXISTING 302 BREAKER. INSTALL DEMOLISHED 302 BREAKER IN PANEL L2.

NEW POWER PANELBOARD										
M2										
SYSTEM			208/120V		3Ø		4W			
RATING			100A		M.L.O.		10,000 AIC MINIMUM			
ENCLOSURE			NEMA 1		SURFACE MOUNT					
OPTIONS BOLT ON BREAKERS										
CKT #	SERVING	CKT BKR	CONNECTED LOAD (VA)		CKT BKR	SERVING		CKT #		
		TRIP	POLE		TRIP	POLE				
1	HP-2.1	40 A	1	3307	3307	1	40 A	HP-2.5	2	
3								4		
5								6		
7	HP-2.2	40 A	1	3307	3307	1	40 A	HP-2.6	8	
9								10		
11	HP-2.3	40 A	1	3307	3307	1	40 A	HP-2.7	12	
13								14		
15	HP-2.4	40 A	1	3307	3307	1	40 A	HP-2.8	16	
17	SPACE ONLY	---	1	---	---	1	---	SPACE ONLY	18	
19	SPACE ONLY	---	1	---	---	1	---	SPACE ONLY	20	
21	SPACE ONLY	---	1	---	---	3	30 A	SURGE PROTECTIVE DEVICE (SPD)	22	
23	SPACE ONLY	---	1	---	---	3	30 A	SURGE PROTECTIVE DEVICE (SPD)	24	
TOTAL CONNECTED LOAD =			26456 VA		/		360		= 73.5 A	

NOTES:
 GREYED BACK TEXT INDICATES EXISTING TO REMAIN. EMBOLDENED TEXT INDICATES NEW TO BE PROVIDED.

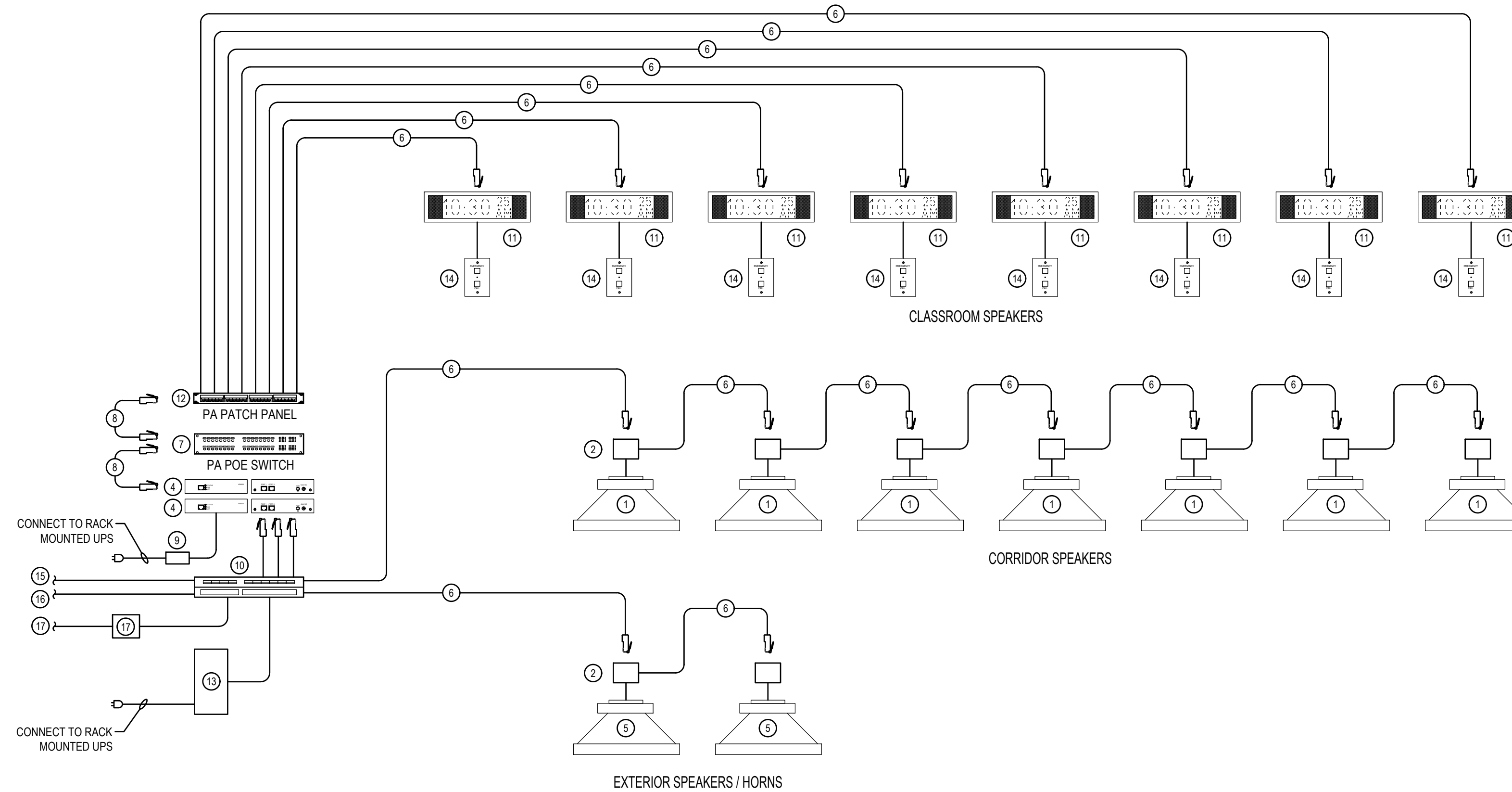
EXISTING POWER PANELBOARD										
R2A										
SYSTEM			208/120V		3Ø		4W			
RATING			225A		M.L.O.		10,000 AIC MINIMUM			
ENCLOSURE			NEMA 1		SURFACE MOUNT					
OPTIONS CUTLER HAMMER PRL3A SERIES; BOLT ON BREAKERS										
CKT #	SERVING	CKT BKR	CONNECTED LOAD (VA)		CKT BKR	SERVING		CKT #		
		TRIP	POLE		TRIP	POLE				
1	REC - 017 - DEDICATED - TEACHERS DESK	20 A	1	360	900	1	20 A	REC - 017 - EAST WALL	2	
3	REC - 017 - NORTHWEST WALL	20 A	1	820	1080	1	20 A	REC - 017 - WEST WALL	4	
5	REC - 017 - DEDICATED - CHARGING STATION	20 A	1	600	360	1	20 A	REC - 018 - DEDICATED - TEACHERS DESK	6	
7	REC - 018 - EAST WALL	20 A	1	900	820	1	20 A	REC - 018 - NORTHWEST WALL	8	
9	REC - 018 - WEST WALL	20 A	1	1080	600	1	20 A	REC - 018 - DEDICATED - CHARGING STATION	10	
11	REC - 002 - EAST CORRIDOR, EXTERIOR	20 A	1	1080	720	1 *	20 A	REC - 002C, 002D, EAST 009	12	
13	REC - 004A, 014 - SOUTH WALL	20 A	1	540	540	1 *	20 A	REC - SOUTH EXTERIOR	14	
15	REC - 007, 008, 009 - NORTHWEST WALL	20 A	1	720	900	1 *	20 A	REC - 010, 011 - GENERAL REC	16	
17	REC - 008, 012, 013 - SOUTH WALL	20 A	1	720	1000	1 *	20 A	REC - 011 - DEDICATED - COMM RACK	18	
19	REC - 011 - DEDICATED - COMM RACK	20 A	1 **	1000	720	1 *	20 A	REC - 011 - DEDICATED - DSX PANEL	20	
21	AC-2.9 & WM-2.9	20 A	2 **	2651	600	1 *	20 A	REC - 011 - GENERAL REC	22	
23	SPARE	20 A	1	---	600	1 *	20 A	REC - 002 - NORTH EWC	24	
25								26		
27								28		
29								30		
31	HAND DRYER - BATHROOM 02.002	15 A	1	1240	1240	1	15 A	REC - 011 - DEDICATED - COMM RACK	32	
33	HAND DRYER - BATHROOM 02.007	15 A	1	1240	1240	1	15 A	REC - 011 - GENERAL REC	34	
35	HAND DRYER - BATHROOM 02.012	15 A	1	1240	1240	1	15 A	REC - 002 - SOUTH EWC	36	
37	SPACE ONLY	---	1	---	---	1	---	REC - 011 - DEDICATED - COMM RACK	38	
39	SPACE ONLY	---	1	---	---	3	30 A	REC - 011 - DEDICATED - COMM RACK	40	
41	SPACE ONLY	---	1	---	---	3	30 A	SURGE PROTECTIVE DEVICE (SPD)	42	
TOTAL CONNECTED LOAD =			30751 VA		/		360		= 85.4 A	

NOTES:
 GREYED BACK TEXT INDICATES EXISTING TO REMAIN. EMBOLDENED TEXT INDICATES NEW TO BE PROVIDED.
 * PROVIDE NEW 201 BREAKER IN SAME LOCATION OF EXISTING 301 BREAKER. RELOCATE EXISTING 301 BREAKER TO PANEL L2.
 ** RELOCATE EXISTING 202 BREAKER ON CIRCUITS 19,21 TO CIRCUITS 21,23. RELOCATE EXISTING 201 BREAKER ON CIRCUIT 23 TO CIRCUIT 19.

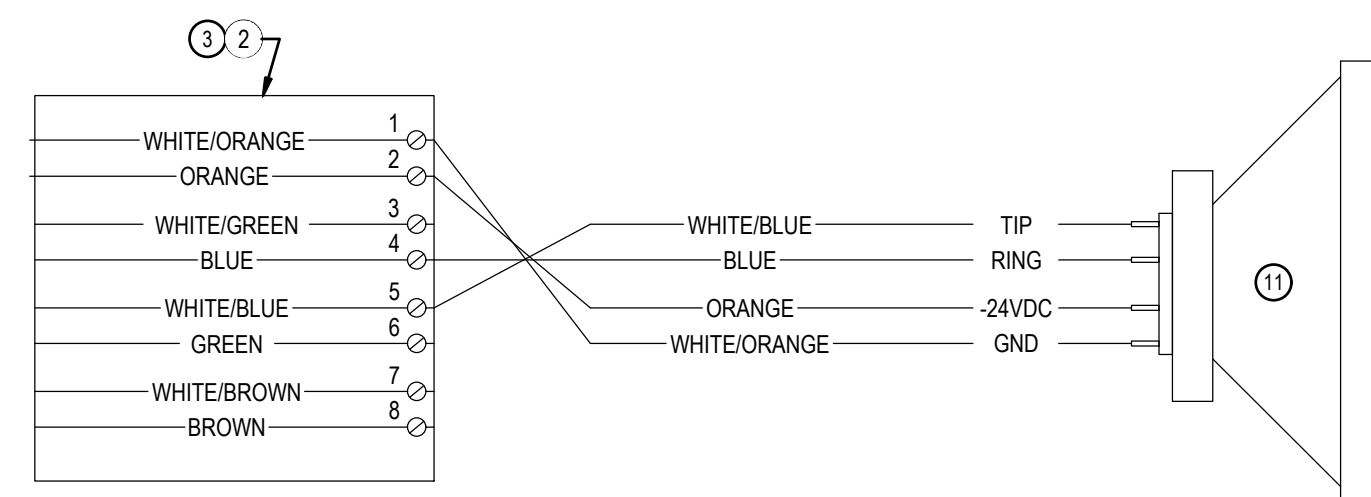
MECHANICAL EQUIPMENT COORDINATION SCHEDULE																			
(VERIFY ALL EQUIPMENT CIRCUIT REQUIREMENTS WITH MANUFACTURERS SHOP DRAWINGS PRIOR TO ROUGH-IN)																			
EQUIPMENT DESIGNATION	DESCRIPTION	CFM	VOLT	Ø	ELECTRICAL LOAD					PROTECTION				CONDUIT/CONDUIT SIZE				REMARKS	
					QTY	LARGEST	SUM OF REMAINING	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA		FLA
AHU-2.1	AIR HANDLER UNIT (12 HP)	700	208	1	1	4.9	5.77	6789	40	40	40	2	1	3	#8	#10	3/4"	INTEGRAL	
AHU-2.2	AIR HANDLER UNIT (12 HP)	700	208	1	1	4.9	5.77	6789	40	40	40	2	1	3	#8	#10	3/4"	INTEGRAL	
AHU-2.3	AIR HANDLER UNIT (12 HP)	700	208	1	1	4.9	5.77	6789	40	40	40	2	1	3	#8	#10	3/4"	INTEGRAL	
AHU-2.4	AIR HANDLER UNIT (12 HP)	700	208	1	1	4.9	5.77	6789	40	40	40	2	1	3	#8	#10	3/4"	INTEGRAL	
AHU-2.5	AIR HANDLER UNIT (12 HP)	700	208	1	1	4.9	5.77	6789	40	40	40	2	1						

INTERCOM NOTES:

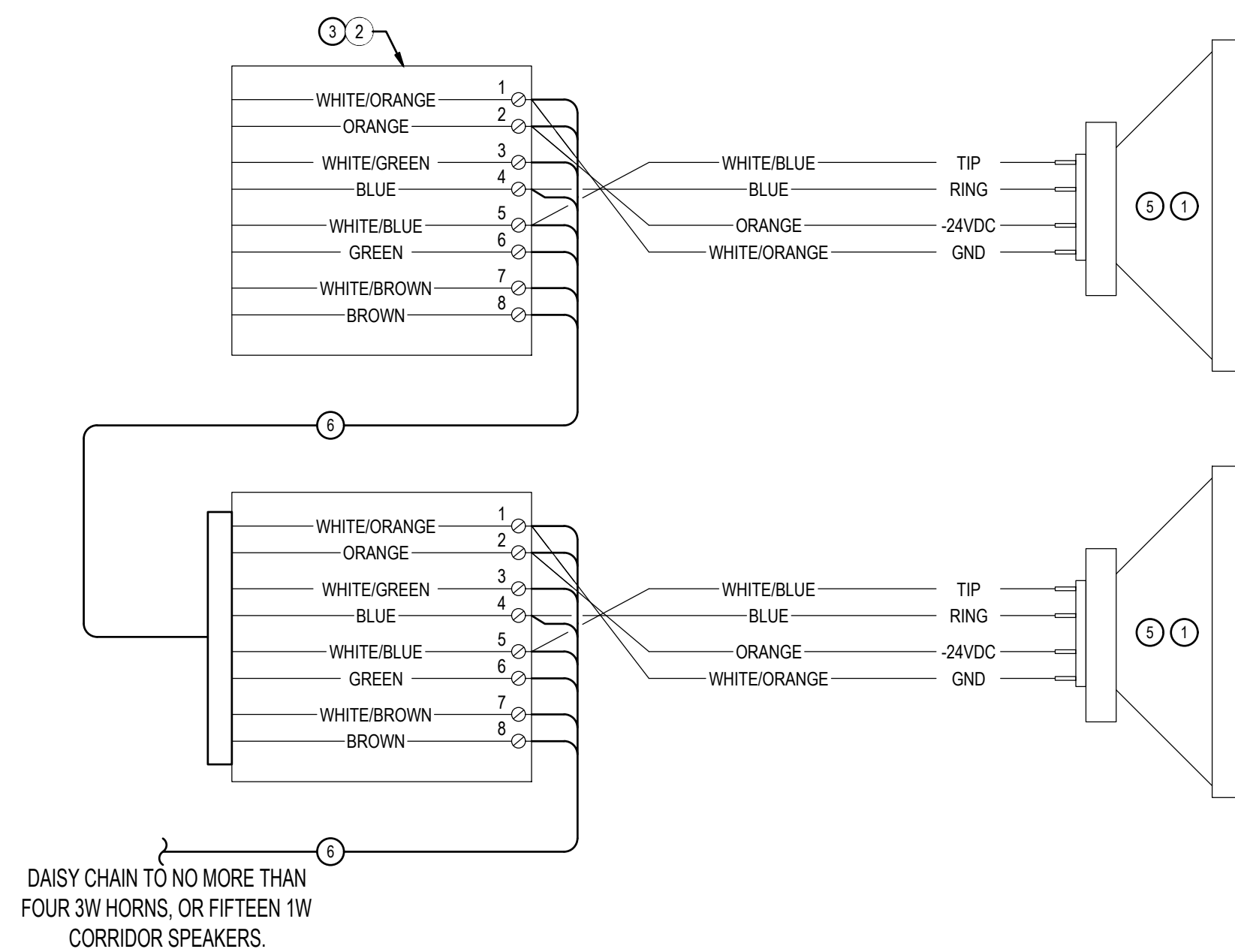
- ① RECESSED CEILING MOUNT SPEAKER IN 2x2 ACT. EQUAL TO VALCOM V-9022A-2. 1W, 8-INCH SPKR AT 45 OHMS, 24VDC. MOUNTED IN PLENUM BACKBOX WITH PERFORATED GRILLE.
- ② CAT 6 FEMALE SOCKET TO 8-POSITION SCREW TERMINAL BLOCK, EQUAL TO EAGLE ELECTRONICS 102405. MOUNT IN JUNCTION BOX AT SPEAKER.
- ③ VERIFY WIRING STANDARD AT SCHOOL CAMPUS PRIOR TO MAKING ANY TERMINATIONS.
- ④ DUAL ENHANCED NETWORK AUDIO PORT (ZONE EXPANDER), EQUAL TO VALCOM VE9002BR.
- ⑤ FLUSH WALL MOUNT HORN TYPE SPEAKER. EQUAL TO VALCOM V-1080 WITH VALCOM V-9805 VANDAL RESISTANT ENCLOSURE AND STEEL FACEPLATE. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGHING IN. 15W, 24VDC.
- ⑥ CATEGORY 6, FOUR-PAIR 100-OHM UNSHIELDED TWISTED PAIR (UTP) CABLE WITH 22 AWG SOLID PAIR CONDUCTORS. CABLE COLOR SHALL BE YELLOW FOR INTERCOM.
- ⑦ 12-PORT MANAGED NETWORK POE SWITCH OWNER FURNISHED CONTRACTOR INSTALLED (OFCI).
- ⑧ EQUIPMENT PATCH CORDS. CATEGORY 6, FOUR-PAIR 100-OHM UTP CABLE WITH 22 AWG SOLID PAIR CONDUCTORS.
- ⑨ 24VDC POWER SUPPLY, VALCOM VIP-324D.
- ⑩ ONE-WAY SPEAKER WIRING BLOCK. EQUAL TO SIEMON S1110DB1-100RFT. 100-PAIR, RACK MOUNT. PROVIDE WITH S119-CVR-50-00 CLEAR COVERS.
- ⑪ CLASSROOM WALL MOUNT SPEAKER / TEXT SIGN. EQUAL TO VALCOM VL520BK-F. COORDINATE FINAL LOCATION WITH ARCHITECTURAL DRAWINGS AND OWNER DIRECTION. PROVIDE DOUBLE GANG RECESSED MOUNTED JUNCTION BOX WITH TWO-GANG PLASTER RING.
- ⑫ 24-PORT, CAT 6, MODULAR OPEN BLADE INTERCOM PATCH PANEL.
- ⑬ 24VDC, 6A, POWER SUPPLY FOR ONE-WAY SPEAKERS. EQUAL TO VALCOM VP-6124. POWER ONE PAIR TO EACH ONE-WAY SPEAKER RUN. PROVIDE CONNECTION AT THE 110 BLOCK.
- ⑭ CLASSROOM TWO-BUTTON CALL SWITCH, ONE FOR NORMAL CALL AND ONE FOR EMERGENCY, FOR USE WITH IP TALKBACK SPEAKERS. EQUAL TO VALCOM VE2972A.
- ⑮ EXISTING CIRCUIT FROM GYMNASIUM SPEAKERS. RE-ROUTE EXISTING CABLING TO NEW TELECOM ROOM AND EXTEND TO NEW TERMINATION LOCATION AS NECESSARY.
- ⑯ EXISTING CIRCUIT FROM EXTERIOR SPEAKERS AT GYMNASIUM. RE-ROUTE EXISTING CABLING TO NEW TELECOM ROOM AND EXTEND TO NEW TERMINATION LOCATION AS NECESSARY.
- ⑰ EXISTING 25-PAIR CAT 3 VOICE CABLE. RELOCATE FROM EXISTING TELECOM ROOM TO THE NEW TELECOM ROOM. RELOCATE THE EXISTING LINE PROTECTOR AND RECONNECT CABLING.



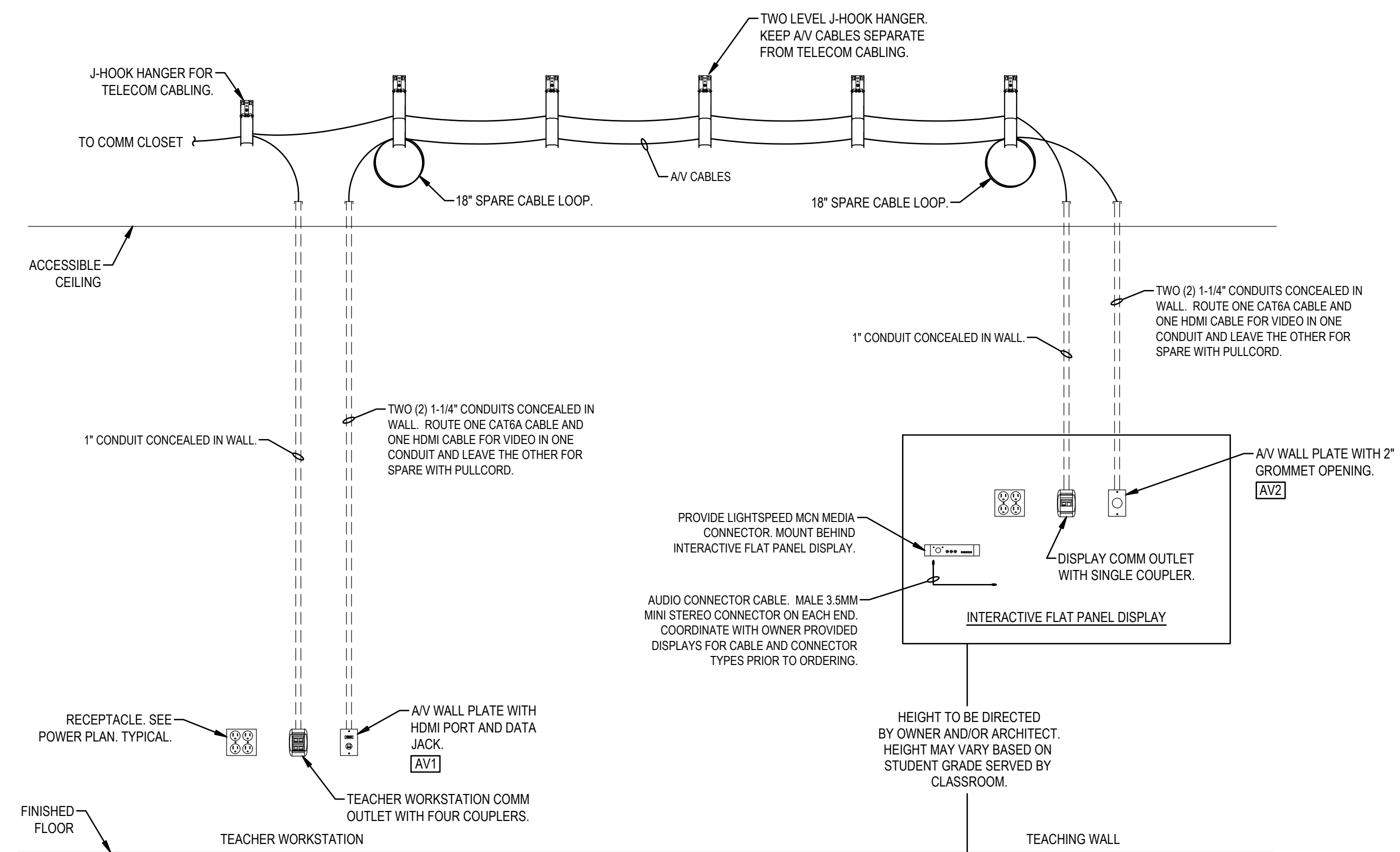
INTERCOM SYSTEM RISER DIAGRAM
NOT TO SCALE



INTERCOM SINGLE ONE-WAY SPEAKER CONNECTION DETAIL
NOT TO SCALE



INTERCOM MULTIPLE 15W ONE-WAY HORN OR 1W CORRIDOR SPEAKERS CONNECTION DETAIL
NOT TO SCALE



CLASSROOM INTERACTIVE FLAT PANEL DISPLAY DETAIL
NOT TO SCALE

CLASSROOM DISPLAY DETAIL NOTES:

- A. LOCATE OUTLETS (PWR / AV / COMM) AT INTERACTIVE FLAT PANEL (IFP) DISPLAY WITHIN OPENINGS OF THE IFP MOUNTING BRACKET. COORDINATION FOR THESE LOCATIONS IS CRITICAL AND SPECIAL ATTENTION SHALL BE PROVIDED. VERIFY DIMENSIONS WITH OWNER AND ARCHITECT PRIOR TO ROUGHING IN. OUTLETS WILL BE MOVED AT NO COST TO OWNER IF COORDINATION IS NOT PROVIDED.
- B. THE OWNER WILL PROVIDE THE IFPs AND THE IFP WALL MOUNTS AND THE CONTRACTOR FOR THE CONTRACTOR TO INSTALL.
- C. FINAL SETUP AND INTEGRATION OF THE IFP INTO THE AV SYSTEM SHALL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL SETUP IN ACCORDANCE WITH THE OWNER'S PREFERENCES AND SHALL PROVIDE TRAINING FOR THE OWNER.
- D. ANY SOFTWARE REQUIRED BY IFP ONTO THE OWNER'S COMPUTERS SHALL BE COORDINATED AND VETTED BY THE OWNER'S IT DEPARTMENT. INSTALLATION, ONCE APPROVED, SHALL BE PERFORMED IN COORDINATION WITH THE OWNER'S IT DEPARTMENT.

REVISIONS:

NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:

	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN	--	--	04/09/26
BID DOCUMENTS	CC	DW	04/15/26
CONSTRUCTION DOCUMENTS	CC	DW	05/01/26
CONTRACT DOCUMENTS	--	--	--
CHECK PLAN	--	--	--

JRA ARCHITECTS 2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 26876

CONSULTANTS:

PROJECT:

ROSENWALD SCHOOL PHASE I
BUILDING #2 REMODELING

PANAMA CITY

SHEET TITLE:

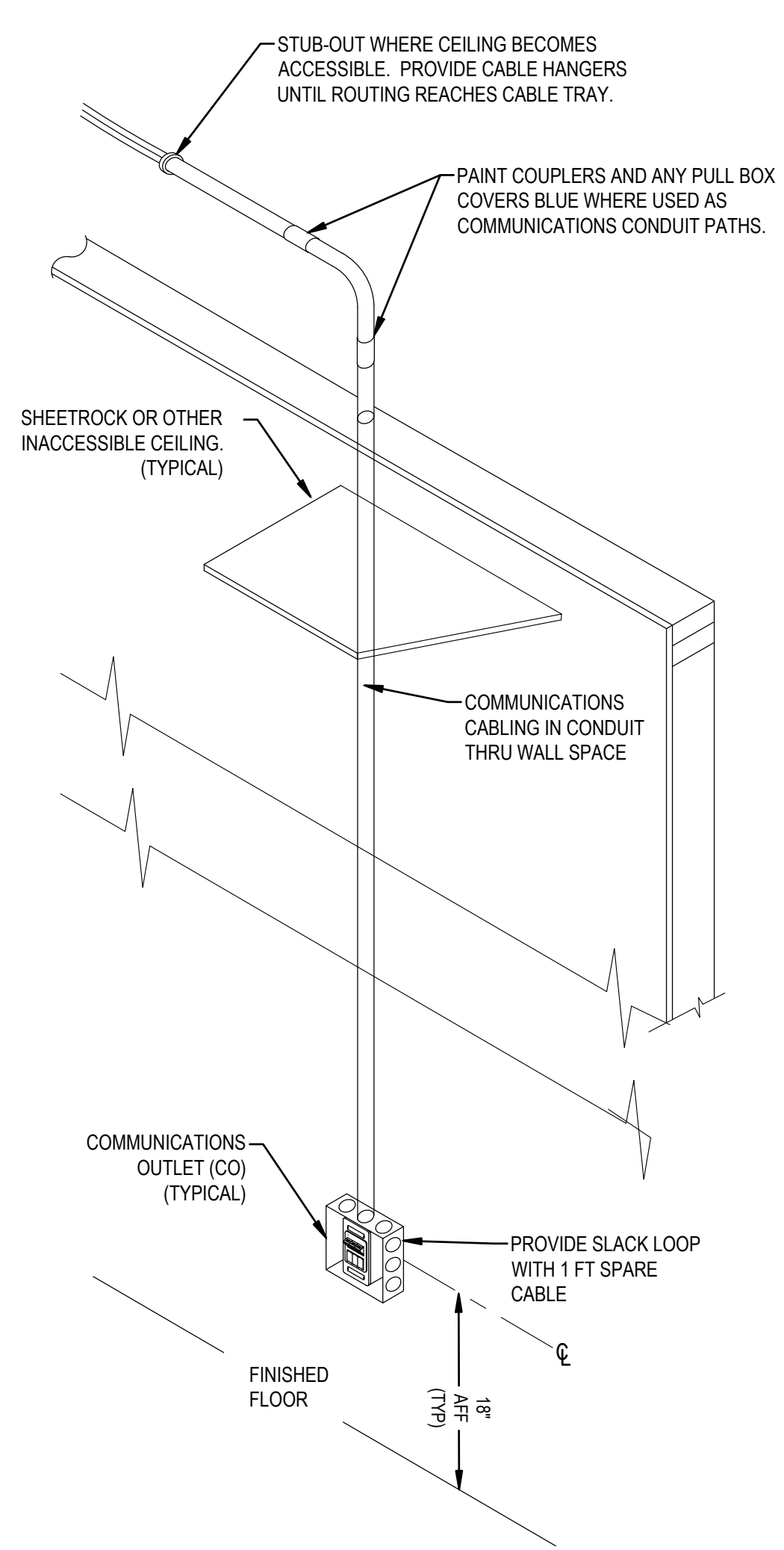
TELECOM
DETAILS

SHEET NUMBER:

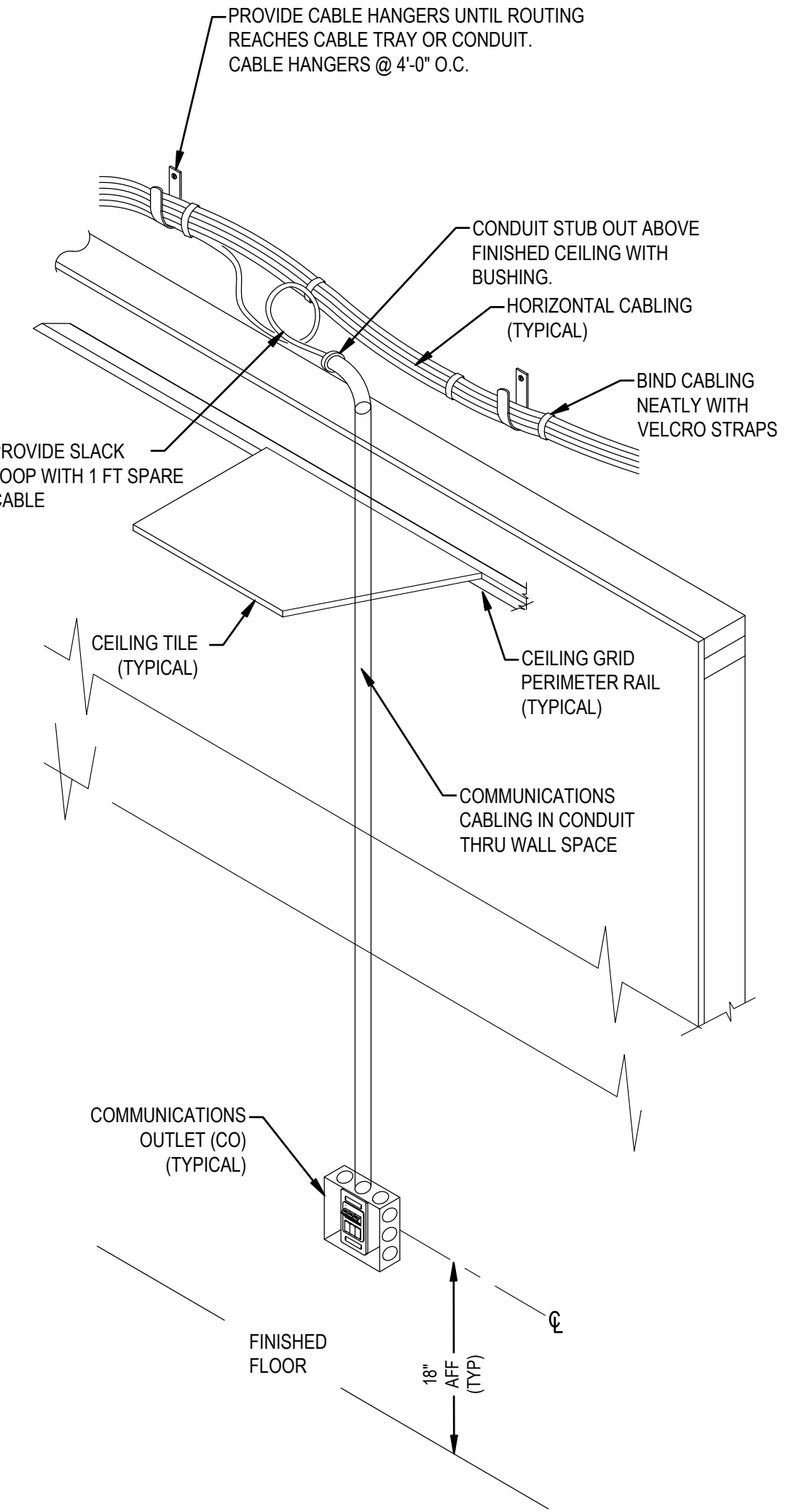
26031

Job No.

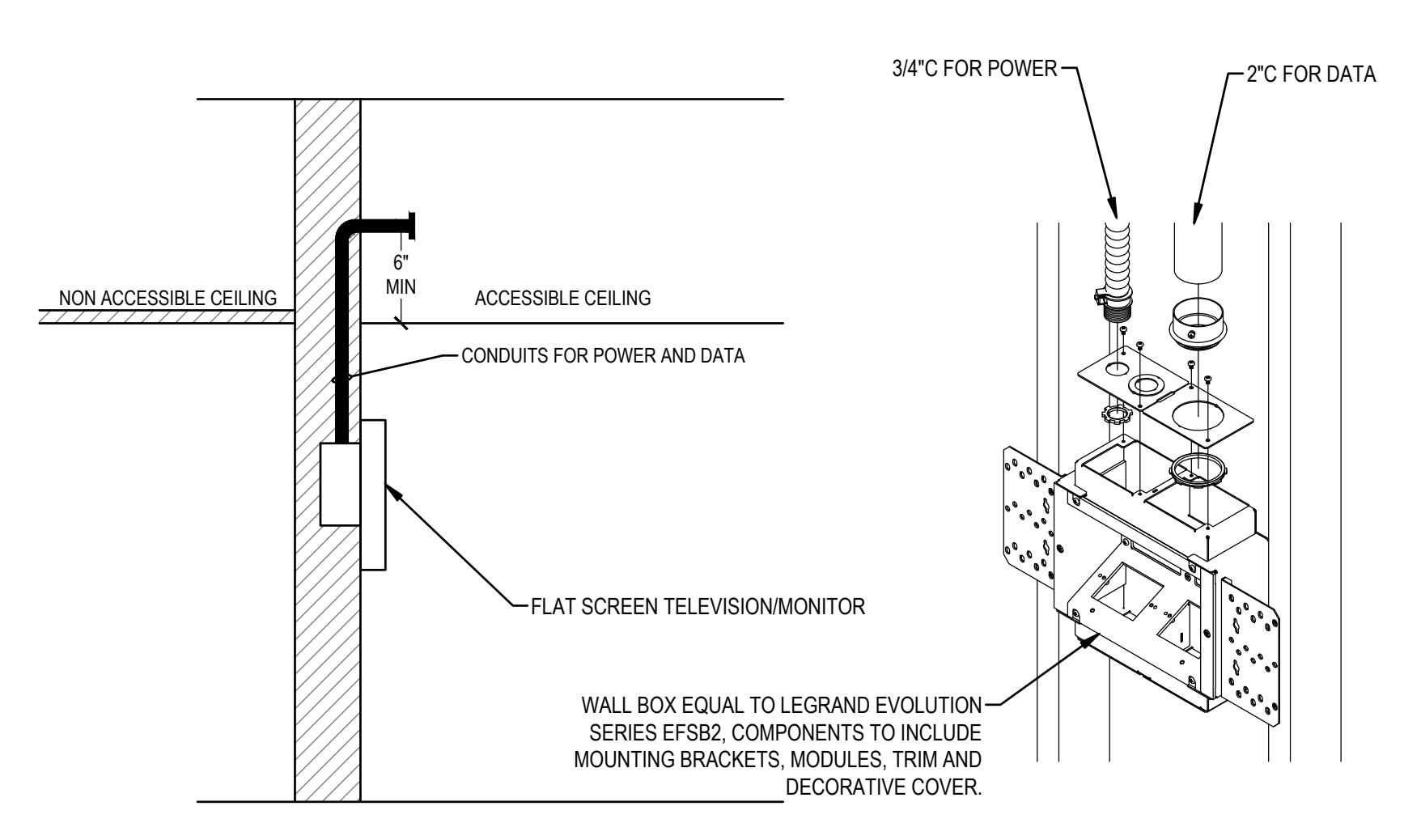
75.1



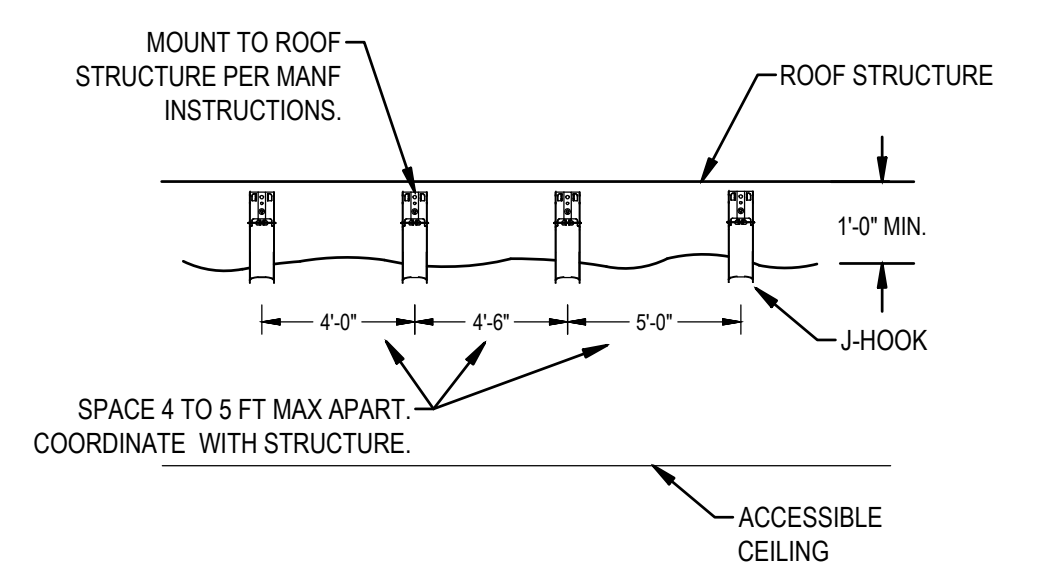
**COMMUNICATIONS OUTLET
INSTALLATION DETAIL AT
INACCESSIBLE CEILING LOCATIONS**
NTS



**COMMUNICATIONS OUTLET
INSTALLATION DETAIL AT
ACCESSIBLE CEILING LOCATIONS**
NTS



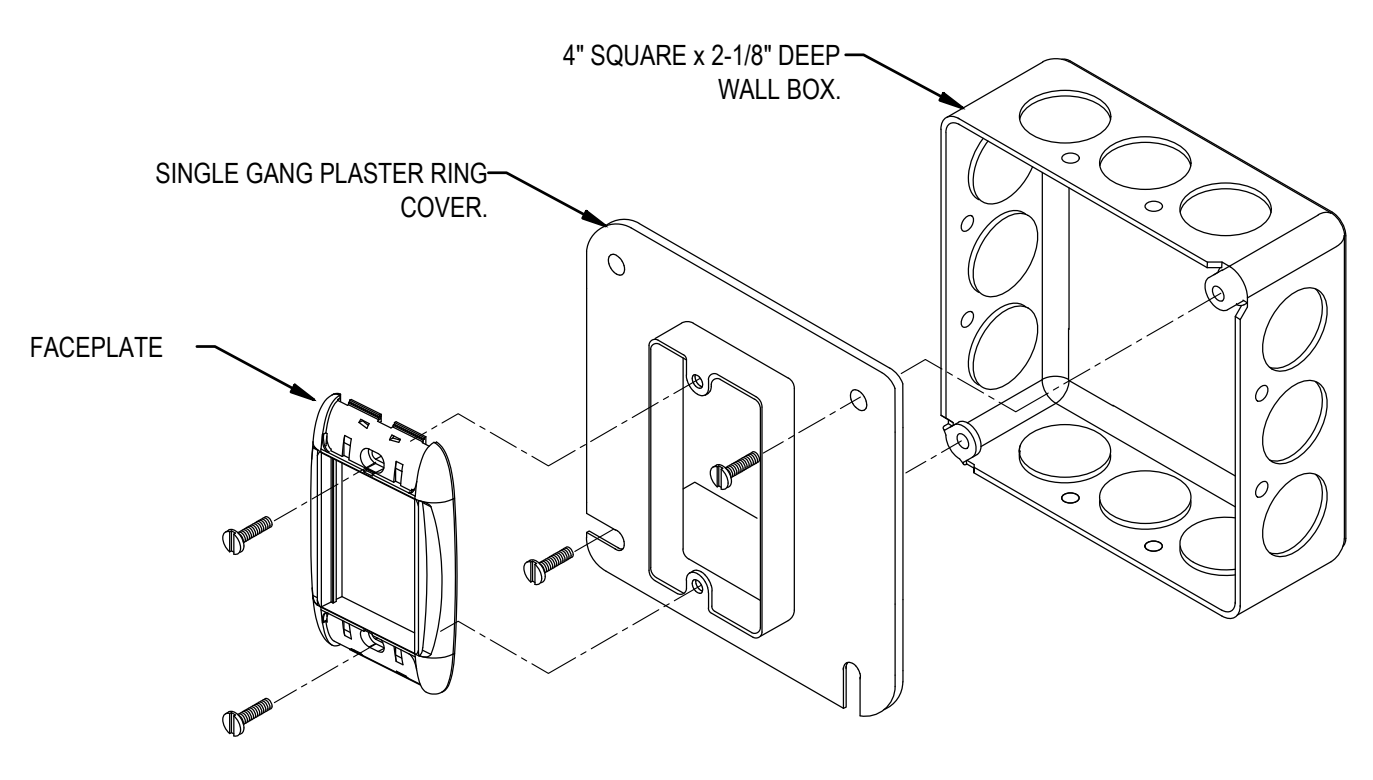
FLAT PANEL BOX MOUNTING DETAIL
NTS



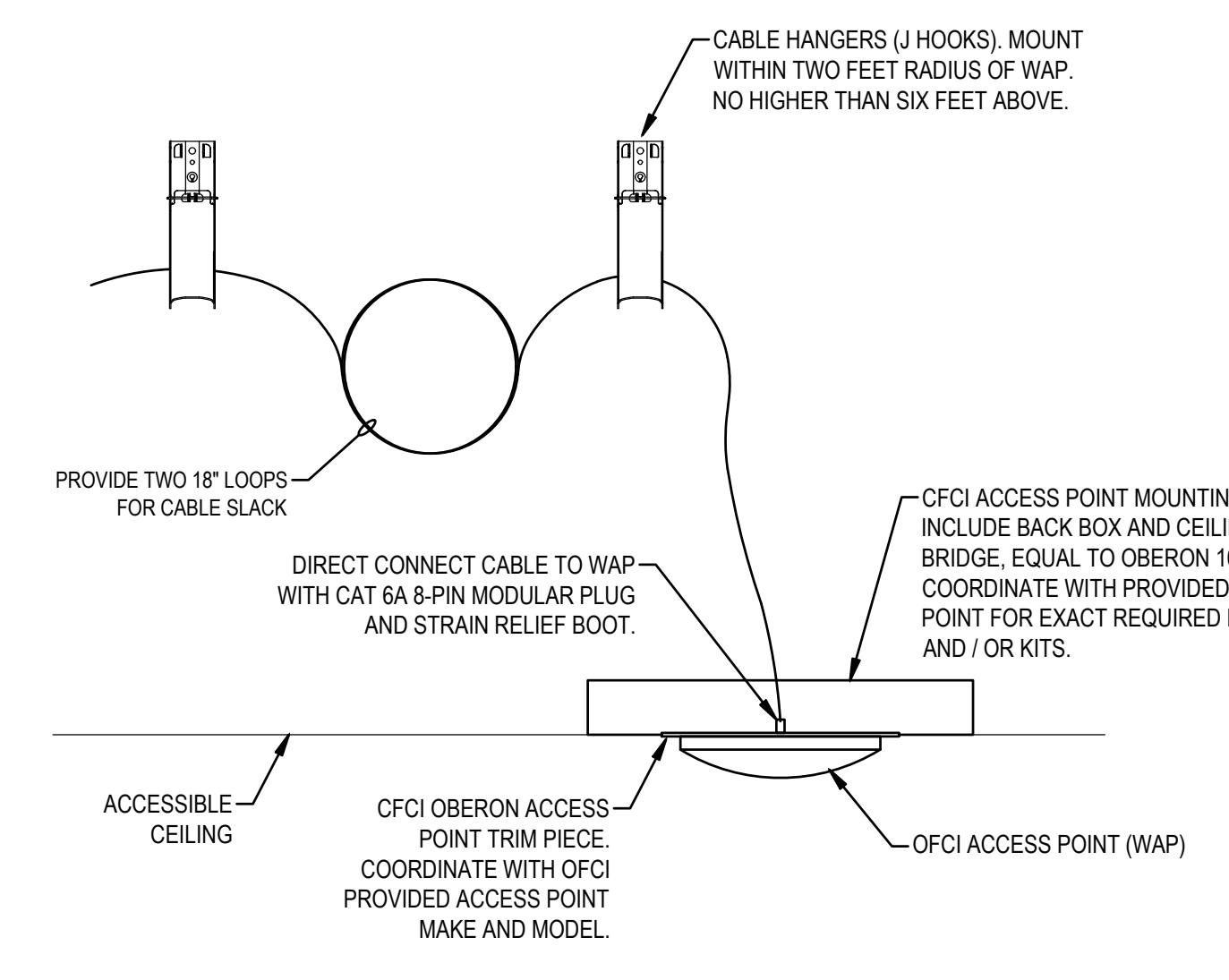
CABLE ROUTING NOTES

- ROUTE PERPENDICULAR & PARALLEL TO BUILDING LINES.
- BUNDLE CABLES WITH PANDUIT PAN-TY PRT4S-C WITH RELEASABLE LOOP AT EACH HANGER.
- HANGERS FOR CABLES SHALL BE J-HOOKS EQUAL TO ERICO CADDY CAT 32 HP. COLOR SHALL BE BLUE.
- MAXIMUM NUMBER OF CABLES OR BUNDLE SIZE IS 25 FOR CAT 6A AND 40 FOR CAT 5 OR 6.
- EACH CATEGORY OF CABLE SHALL BE BUNDLED TOGETHER WITH LIKE CABLE. SEPARATE FROM OTHER CATEGORIES OF CABLING. I.E. DON'T BUNDLE CAT 6 WITH CAT 6A.

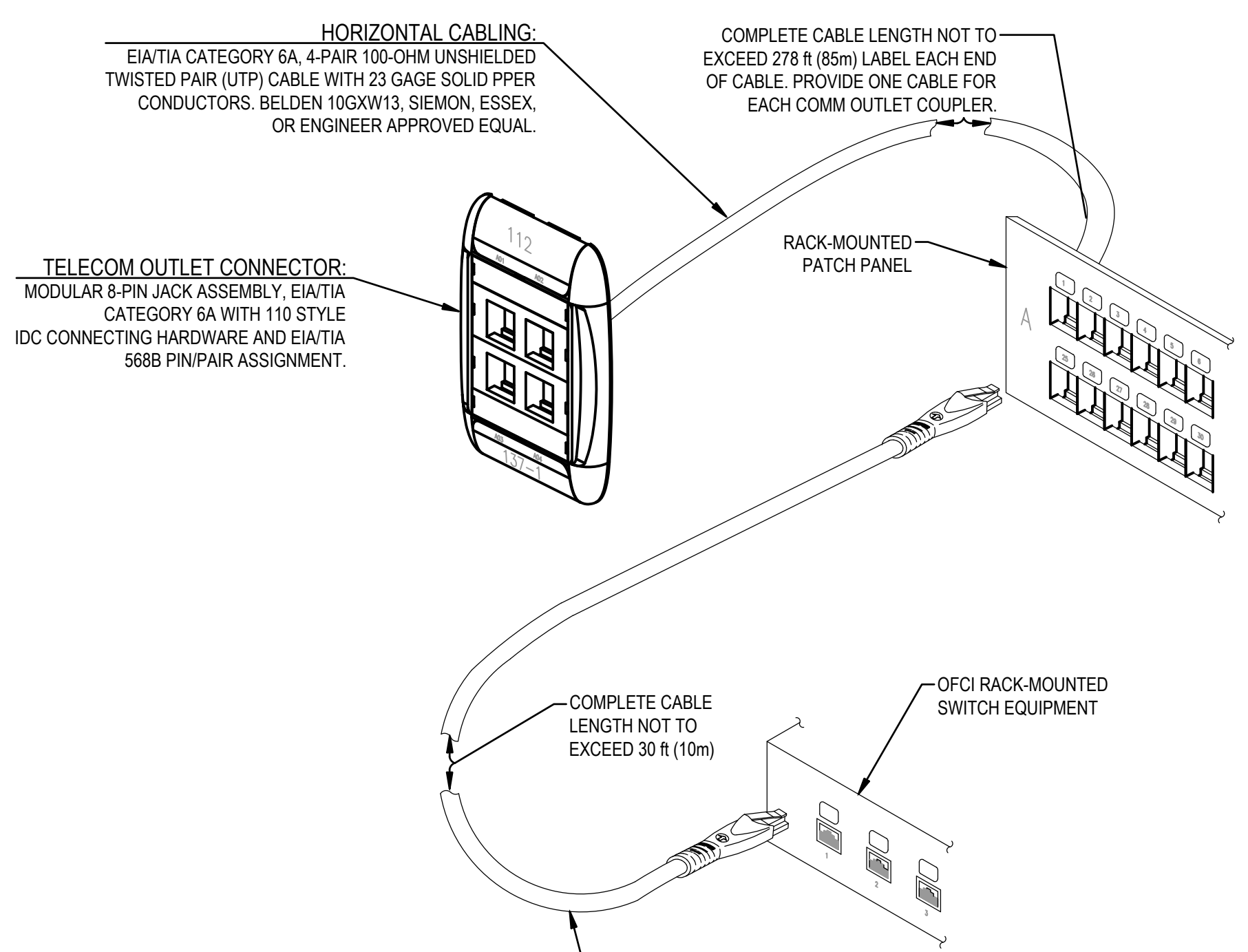
CABLE ROUTING DETAIL
NTS



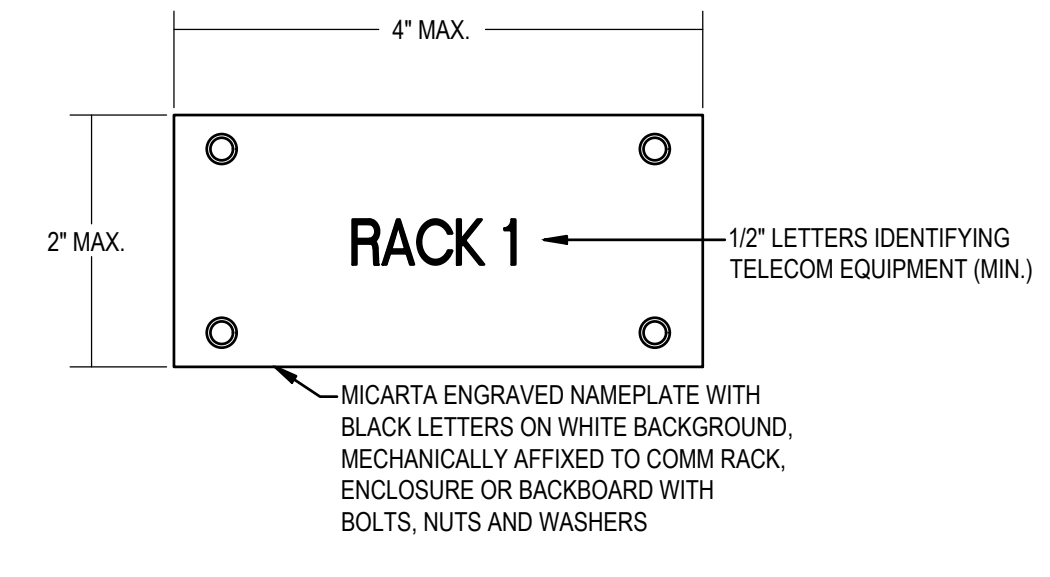
FLUSH MOUNT COMMUNICATIONS OUTLET DETAIL
NTS



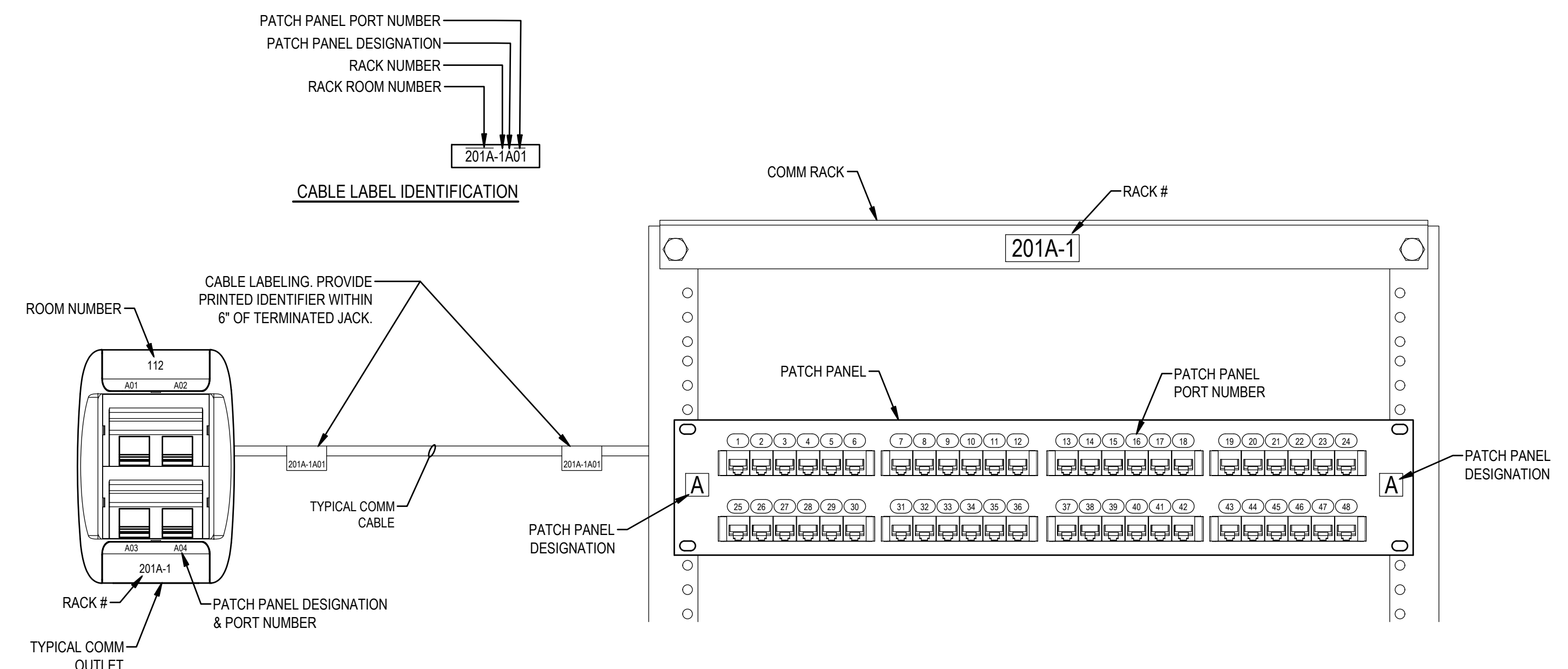
ACCESS POINT MOUNTING DETAIL
NTS



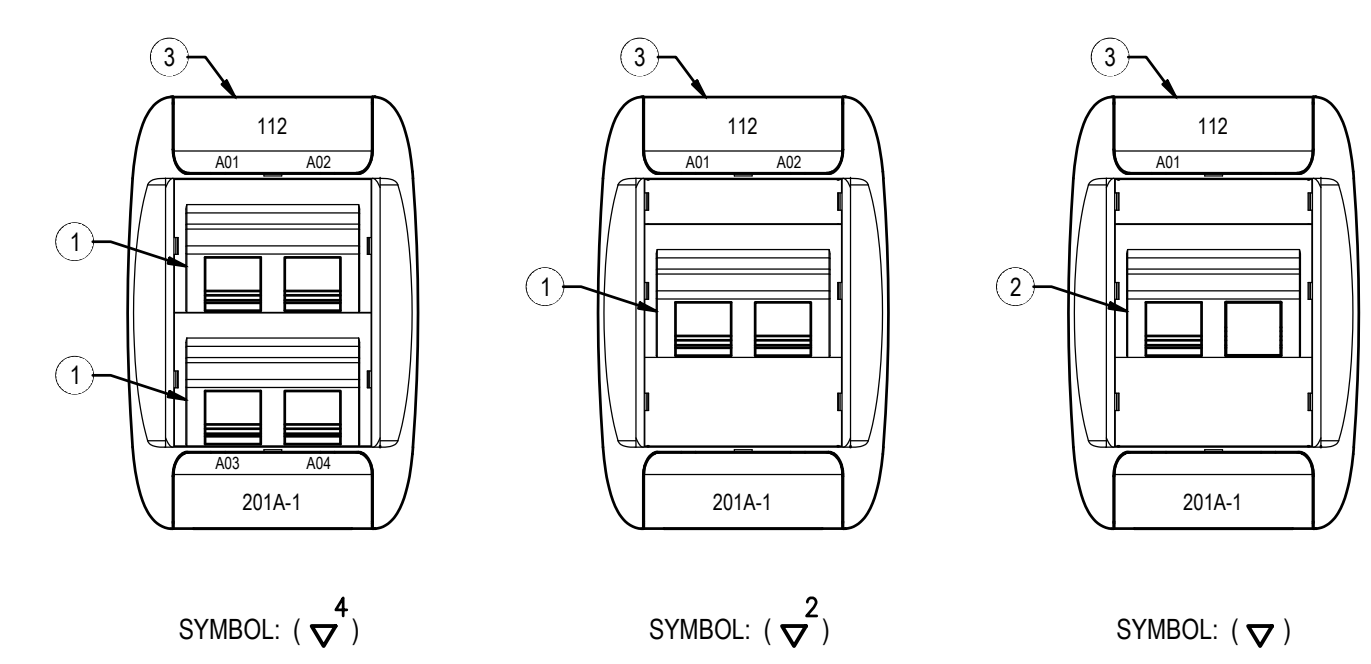
COMMUNICATIONS CABLING DETAIL
NTS



TYPICAL TELECOM EQUIPMENT NAMEPLATE
NTS



COMM OUTLET TO PATCH PANEL LABELING NOMENCLATURE
NTS



OUTLET CONFIGURATION DETAIL
NTS

- OUTLET DETAIL NOTES:**
- CATEGORY 6A, 2-PORT ANGLED DATA COUPLER, EQUAL TO BELDEN AX102413 INSERT WITH (2) 8P CAT 6A MODULAR JACKS, EQUAL TO BELDEN RVCNNECT RVMJKUEW, COLOR ELECTRIC WHITE.
 - CATEGORY 6A, 2-PORT ANGLED DATA COUPLER, BELDEN AX102413 INSERT WITH (1) 8P CAT 6A MODULAR JACKS, BELDEN RVCNNECT RVMJKUEW AND ONE BLANK COVER, COLOR ELECTRIC WHITE.
 - FACEPLATE EQUAL TO BELDEN AX101747, COLOR ELECTRIC WHITE. PROVIDE (1) BELDEN AX101759 FILLER AND (1) BELDEN AX1011763 FILLER.

REVISIONS:

NO.	DESCRIPTION	DRAWN	CHECKED	DATE

PHASE:

PHASE	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN	--	--	04/09/26
BID DOCUMENTS	CC	DW	04/15/26
CONSTRUCTION DOCUMENTS	CC	DW	05/01/26
CONTRACT DOCUMENTS	--	--	--
CHECK PLAN	--	--	--

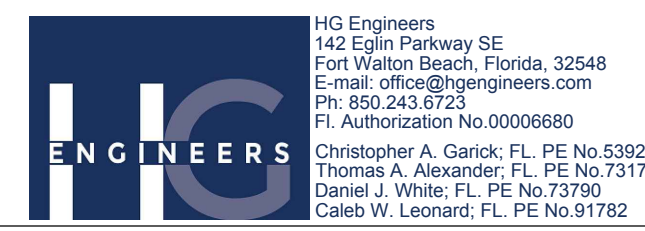
JRA ARCHITECTS 2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 26876

PROJECT:
ROSENWALD SCHOOL PHASE 1
BUILDING #2 REMODELING

PANAMA CITY

SHEET TITLE:
TELECOM
DETAILS

SHEET NUMBER: 75.2



IGC Engineers
142 Eglin Parkway SE
Fort Walton Beach, Florida, 32548
E-mail: office@igcengineers.com
Ph: 850.243.8723
FL Authorization No. 00000660

Christopher A. Garsick, FL PE No. 53924
Thomas A. Alexander, FL PE No. 53172
Daniel J. White, FL PE No. 73790
Caleb W. Leonard, FL PE No. 81782

26031
Job No.

DATA PATCH PANEL 2A				
Number of Ports: 24		Coupler Style: SINGLE		
EIA/TIA Category Rating: 6a		Mounting: 19" RACK		
Options: BLACK OR RED COUPLERS				
Room No.	Room Name	Number of Terminations	Room No. Designation	Physical Port Numbers
02-003	CLASSROOM	12	02-003 -1 - 12	1 - 12
02-004	CLASSROOM	12	02-004 -1 - 12	13 - 24
Patch Panel Totals:		24		

DATA PATCH PANEL 2B				
Number of Ports: 24		Coupler Style: SINGLE		
EIA/TIA Category Rating: 6a		Mounting: 19" RACK		
Options: BLACK OR RED COUPLERS				
Room No.	Room Name	Number of Terminations	Room No. Designation	Physical Port Numbers
02-005	CLASSROOM	12	02-005 -1 - 12	1 - 12
02-006	CLASSROOM	12	02-006 -1 - 12	13 - 24
Patch Panel Totals:		24		

DATA PATCH PANEL 2C				
Number of Ports: 24		Coupler Style: SINGLE		
EIA/TIA Category Rating: 6a		Mounting: 19" RACK		
Options: BLACK OR RED COUPLERS				
Room No.	Room Name	Number of Terminations	Room No. Designation	Physical Port Numbers
02-015	CLASSROOM	12	02-015 -1 - 12	1 - 12
02-016	CLASSROOM	2	02-016 -1 - 2	13 - 14
Patch Panel Totals:		14		

DATA PATCH PANEL 2D				
Number of Ports: 24		Coupler Style: SINGLE		
EIA/TIA Category Rating: 6a		Mounting: 19" RACK		
Options: BLACK OR RED COUPLERS				
Room No.	Room Name	Number of Terminations	Room No. Designation	Physical Port Numbers
02-017	CLASSROOM	12	02-017 -1 - 12	1 - 12
02-018	CLASSROOM	12	02-018 -1 - 12	13 - 24
Patch Panel Totals:		24		

DATA PATCH PANEL 2E				
Number of Ports: 24		Coupler Style: SINGLE		
EIA/TIA Category Rating: 6a		Mounting: 19" RACK		
Options: YELLOW OR GREEN COUPLERS				
Room No.	Room Name	Number of Terminations	Room No. Designation	Physical Port Numbers
02-001	EXISTING GYM	6	02-001 -1 - 6	1 - 6
02-014	MECH ROOM	2	02-014 -1 - 2	7 - 8
--	SPARE	10	-- -1 - 10	9 - 18
--	SPACE	6	-- --	19 - 24
Patch Panel Totals:		24		

SECURITY PATCH PANEL 2F				
Number of Ports: 24		Coupler Style: SINGLE		
EIA/TIA Category Rating: 6a		Mounting: 19" RACK		
Options: YELLOW OR GREEN COUPLERS				
Room No.	Room Name	Number of Terminations	Room No. Designation	Physical Port Numbers
EXT	EXTERIOR - CAMERAS	4	EXT -1 - 4	1 - 4
02-002	CORRIDOR - CAMERAS	2	02-002 -1 - 2	5 - 6
02-009	CORRIDOR - CAMERAS	2	02-009 -1 - 2	7 - 8
02-003	CLASSROOM - CAMERA	1	02-003 -1 - 1	9 - 9
02-004	CLASSROOM - CAMERA	1	02-004 -1 - 1	10 - 10
02-005	CLASSROOM - CAMERA	1	02-005 -1 - 1	11 - 11
02-006	CLASSROOM - CAMERA	1	02-006 -1 - 1	12 - 12
02-015	CLASSROOM - CAMERA	1	02-015 -1 - 1	13 - 13
02-016	CLASSROOM - CAMERA	1	02-016 -1 - 1	14 - 14
02-017	CLASSROOM - CAMERA	1	02-017 -1 - 1	15 - 15
02-018	CLASSROOM - CAMERA	1	02-018 -1 - 1	16 - 16
--	SPARE	4	-- -1 - 4	17 - 20
--	SPACE	4	-- --	21 - 24
Patch Panel Totals:		24		

PA PATCH PANEL 2G				
Number of Ports: 24		Coupler Style: SINGLE		
EIA/TIA Category Rating: 6a		Mounting: 19" RACK		
Options: GRAY COUPLERS				
Room No.	Room Name	Number of Terminations	Room No. Designation	Physical Port Numbers
02-003	CLASSROOM - SPEAKER	1	02-003 -1 - 1	1 - 1
02-004	CLASSROOM - SPEAKER	1	02-004 -1 - 1	2 - 2
02-005	CLASSROOM - SPEAKER	1	02-005 -1 - 1	3 - 3
02-006	CLASSROOM - SPEAKER	1	02-006 -1 - 1	4 - 4
02-015	CLASSROOM - SPEAKER	1	02-015 -1 - 1	5 - 5
02-016	CLASSROOM - SPEAKER	1	02-016 -1 - 1	6 - 6
02-017	CLASSROOM - SPEAKER	1	02-017 -1 - 1	7 - 7
02-018	CLASSROOM - SPEAKER	1	02-018 -1 - 1	8 - 8
--	SPARE	4	-- -1 - 4	9 - 12
--	SPACE	12	-- --	13 - 24
Patch Panel Totals:		24		

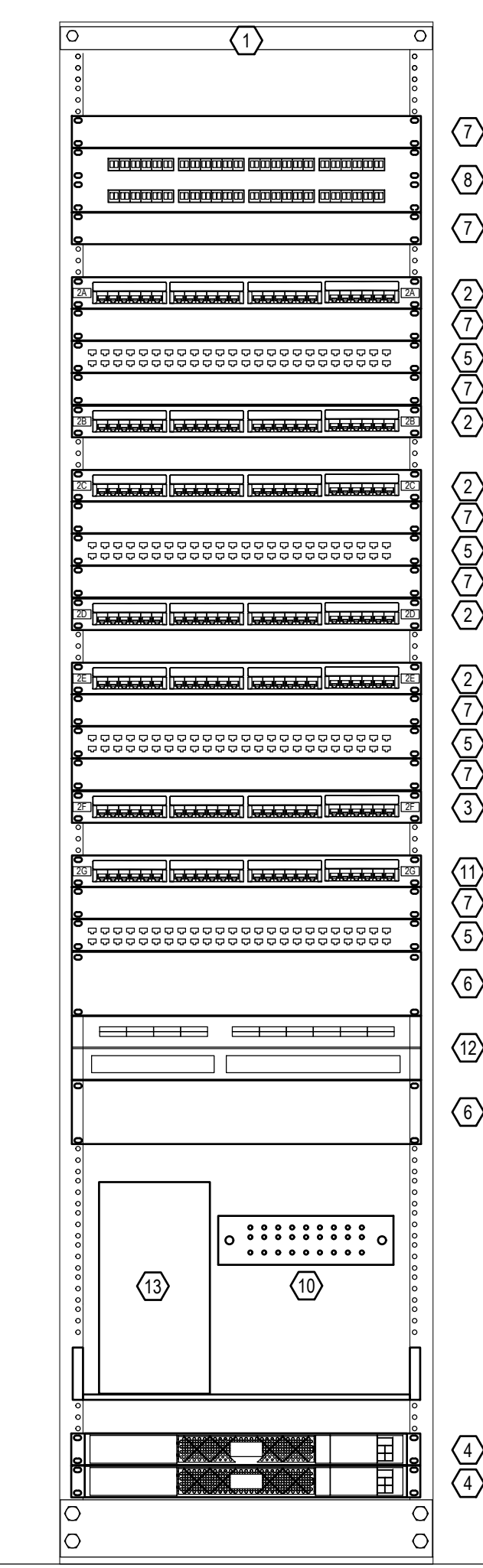
PATCH CORD NOTE:
TIA-568 ALLOWS A MAXIMUM OF 33 FT (10M) FOR ALL CROSS CONNECT AND EQUIPMENT PATCH CORDS. CROSS CONNECT AND EQUIPMENT PATCH CORDS SHALL BE KEPT AS SHORT AS POSSIBLE BUT STILL ALLOW FOR PROPER CONNECTION. THERE SHALL BE NO TENSION IN THE CORDS THAT CAUSE CONNECTIONS TO EQUIPMENT TO LOOSEN OR DEGRADE SERVICE. CORDS SHALL HAVE MINIMAL SLACK.

FIBER OPTIC PATCH CORD NOTE:
PROVIDE (2) 1m DUPLEX FIBER OPTIC PATCH CORDS. COLOR AQUA. VERIFY CONNECTORS ON EACH END WITH OWNER TO COORDINATE WITH THEIR EQUIPMENT.

PATCH CORD QUANTITY SCHEDULE					
Location	Patch Cord Color	Total # of Cat 6a Patch Cords		Total # of Cat 6 Patch Cords	
		Length (m)	Length (m)	Length (m)	Length (m)
CC.02.011	BLACK (Comm Outlet)	48	-	-	-
	VIOLET (Access Point)	10	-	-	-
	YELLOW (Public Address)	-	-	8	-
	ORANGE (HVAC & DSX)	-	-	1	-
	GREEN (Cameras)	-	-	15	-
	RED (Security)	-	-	1	-

RACK EQUIPMENT SCHEDULE

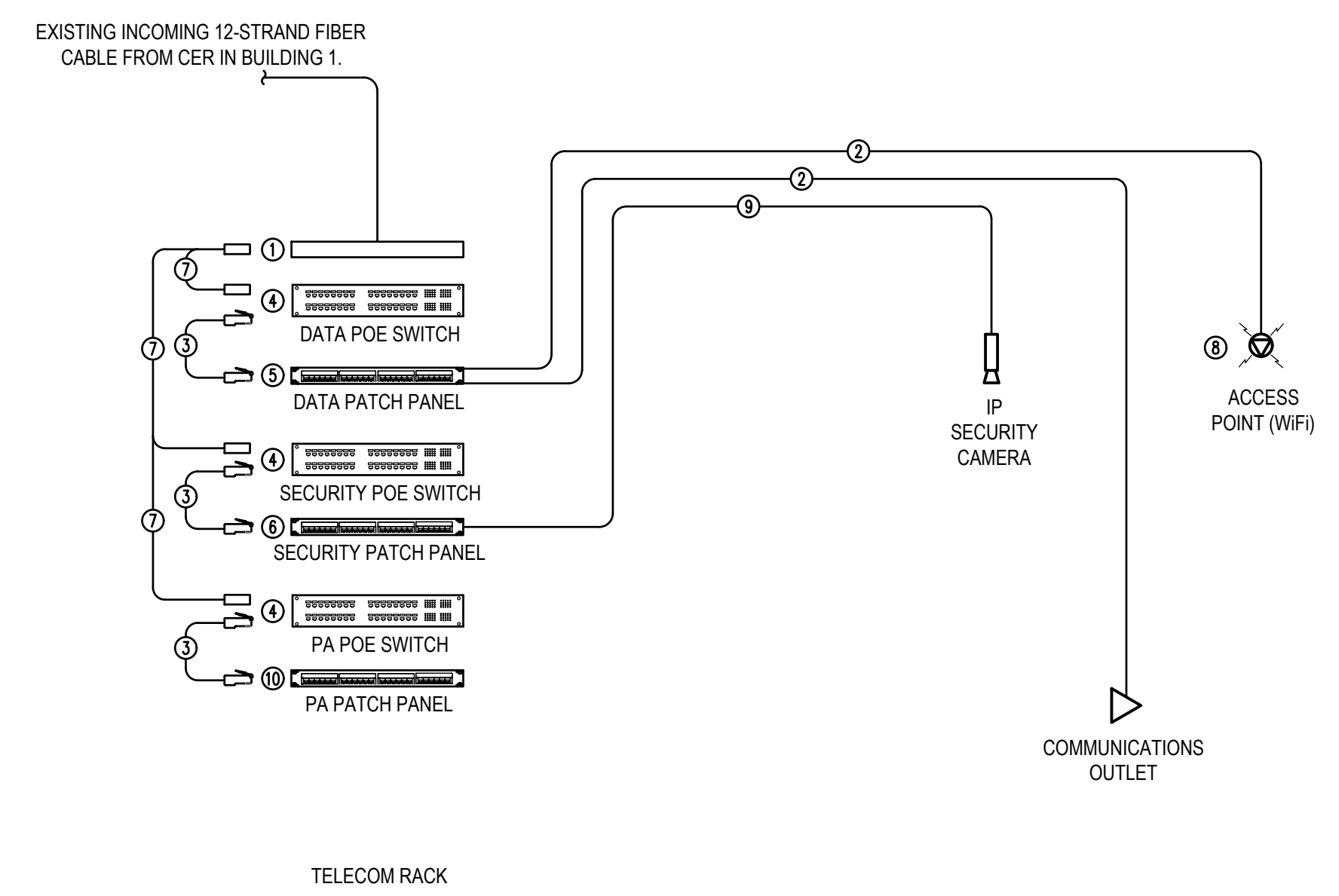
- COMMUNICATIONS EQUIPMENT RACK; NEW 84" FOUR-POST RACK FOR NEW WORK. COLOR SHALL BE WHITE. EQUAL TO NVENT HOFFMAN 36111.
- DATA PATCH PANEL, 24-PORT MODULAR OPEN BLADE PATCH PANEL WITH SNAP-IN 8-POSITION (RJ45) JACKS. SEE PATCH PANEL SCHEDULE. PROVIDE BLACK JACKS FOR DATA AND RED JACKS FOR ACCESS POINTS.
- SECURITY PATCH PANEL, 24-PORT MODULAR OPEN BLADE PATCH PANEL WITH SNAP-IN 8-POSITION (RJ45) JACKS. SEE PATCH PANEL SCHEDULE. PROVIDE PURPLE JACKS FOR ACCESS CONTROL AND GREEN JACKS FOR CAMERAS.
- UPS, EATON SPX2200RT 2KVA RACK MOUNT WITH NETWORK CARD. PROVIDE MINIMUM 12 FT POWER CORD.
- OFCI MANAGED NETWORK POE SWITCH.
- FRONT & REAR CABLE MANAGEMENT PANEL. EQUAL TO PANDUIT #WMP1E, 3.57H x 19"W x 8.4"D.
- FRONT & REAR CABLE MANAGEMENT PANEL. EQUAL TO PANDUIT #WMP1SE, 1.77H x 19"W x 7.4"D.
- FIBER DRAWER WITH SPLICE TRAY. 48-PORT WITH LC CONNECTORS.
- HEAVY DUTY EQUIPMENT SHELF EQUAL TO CHATSWORTH 11164-219.
- TELECOM GROUNDING BUSBAR, EQUAL TO HARGER GB14412J. LOCATE AT EXISTING GROUND CONDUCTORS ON BACK WALL.
- PA PATCH PANEL, 24-PORT MODULAR OPEN BLADE PATCH PANEL WITH SNAP-IN 8-POSITION (RJ45) JACKS. SEE PA PATCH PANEL SCHEDULE. PROVIDE GRAY JACKS.
- ONE-WAY SPEAKER WIRING BLOCK. EQUAL TO SIEMON S1100B1-100RFT, 100-PAIR, RACK MOUNT. PROVIDE WITH S119-CVR-50-00 CLEAR COVERS.
- 24VDC, 6A POWER SUPPLY FOR ONE-WAY SPEAKERS. EQUAL TO VALCOM VP-6124. POWER ONE PAIR TO EACH ONE-WAY SPEAKER RUN. PROVIDE CONNECTION AT THE 110 BLOCK.



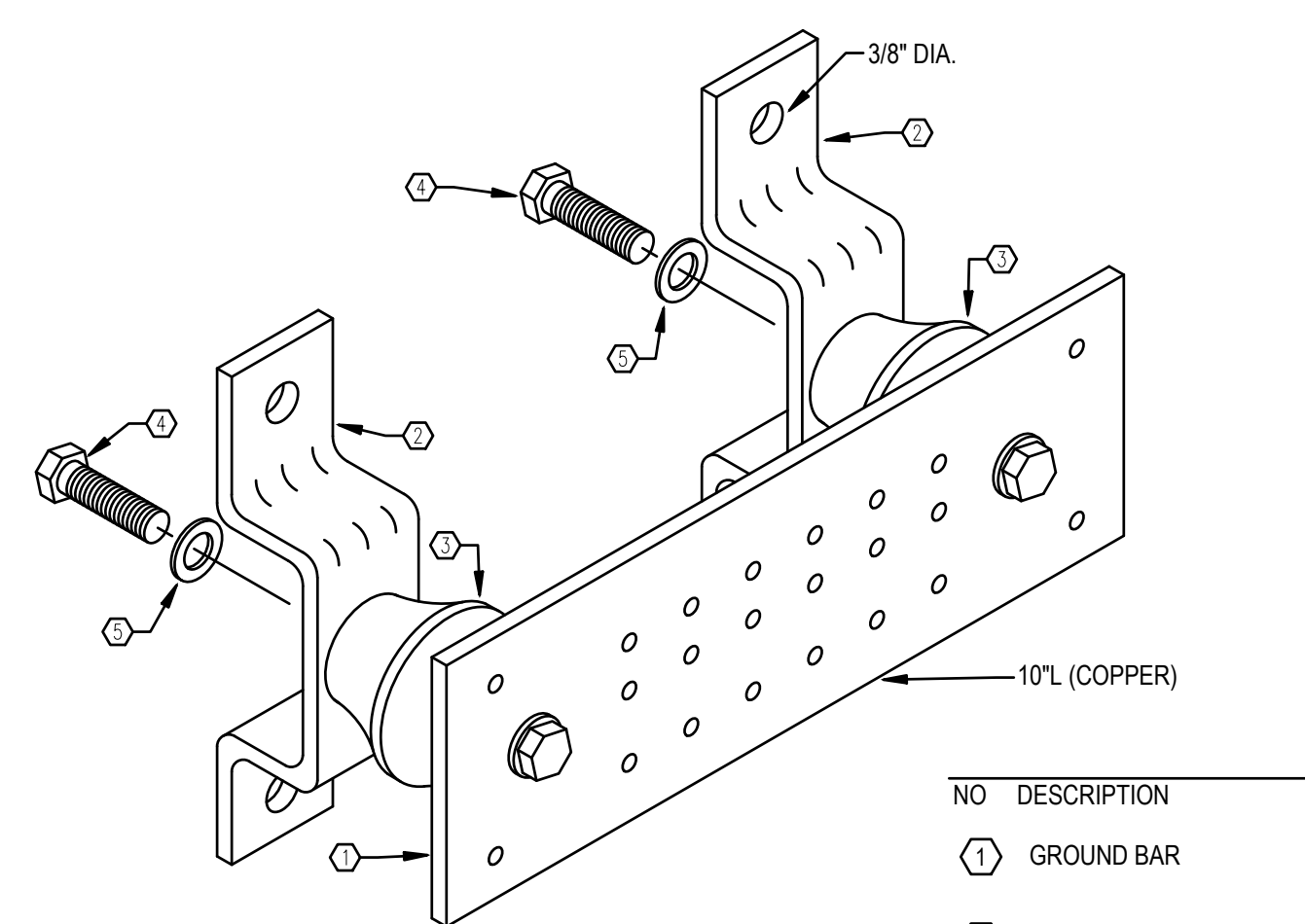
CC.02.011 RACK ELEVATION
SCALE: 1-1/2" = 1'-0"

DATA SYSTEM NOTES:

- FIBER PATCH PANEL (DISTRIBUTION FRAME) WITH SPLICE TRAY; 24-PORT WITH DUPLEX LC CONNECTORS.
- HORIZONTAL WIRING CABLES, CATEGORY 6A, FOUR-PAIR 100-OHM UNSHIELDED TWISTED PAIR (UTP) CABLE WITH 24 AWG SOLID PAIR CONDUCTORS. MAXIMUM LENGTH 90 METERS (295'). CABLE COLOR SHALL BE BLUE FOR DATA AND WHITE FOR ACCESS POINTS. TERMINATE CABLES AT DATA PATCH PANEL.
- EQUIPMENT PATCH CORDS, CATEGORY 6A, FOUR-PAIR 100-OHM UTP CABLE WITH 24 AWG SOLID PAIR CONDUCTORS. PROVIDE BLACK FOR COMM OUTLETS AND RED FOR ACCESS POINTS.
- OFCI MANAGED NETWORK POE SWITCH.
- 24 PORT CAT 6A MODULAR OPEN BLADE DATA PATCH PANEL; SEE PATCH PANEL SCHEDULES.
- 24 PORT CAT 6 MODULAR OPEN BLADE SECURITY PATCH PANEL; SEE PATCH PANEL SCHEDULES.
- FIBER OPTIC PATCH CORD; DUAL STRAND, DIELECTRIC, FACTORY TERMINATED AND TESTED, LC CONNECTORS.
- OFCI ACCESS POINT.
- SECURITY WIRING CABLES, CATEGORY 6, FOUR-PAIR 100-OHM UNSHIELDED TWISTED PAIR (UTP) CABLE WITH 24 AWG SOLID PAIR CONDUCTORS. CABLE COLOR SHALL BE YELLOW FOR ACCESS CONTROL AND GREEN FOR CAMERAS. TERMINATE CABLES ON SECURITY PATCH PANEL.
- 24 PORT CAT 6 MODULAR OPEN BLADE PA PATCH PANEL; SEE PATCH PANEL SCHEDULES.



HORIZONTAL CABLING TYPICAL DEVICE RISER DIAGRAM
NOT TO SCALE



GROUND BAR NOTES:

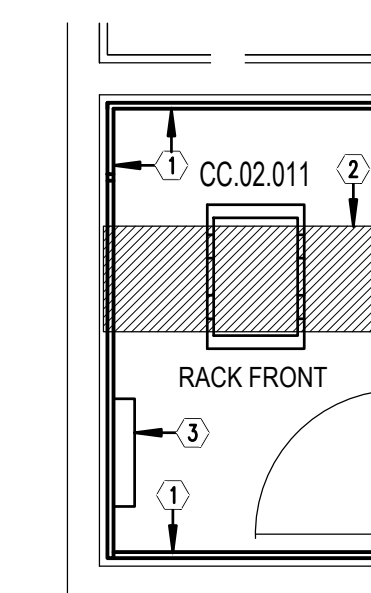
- INSTALL ONE BAR AT EACH COMMUNICATIONS & SERVER ROOM.
- ROUTE 1#4 BARE CU IN 1" CONDUIT FROM GROUND BAR TO BUILDING ELECTRICAL SERVICE ENTRANCE GROUND.
- CONNECT BARS WITH 1#6 BARE CU IN 1" CONDUIT.

INSULATED GROUNDING BAR DETAIL
NFS

- | NO | DESCRIPTION |
|----|-----------------------|
| 1 | GROUND BAR |
| 2 | WALL MTG. BRACKET |
| 3 | INSULATORS |
| 4 | 5/8"x1" H.H.C.S. BOLT |
| 5 | 5/8" LOCKWASHER |

ENLARGED PLAN NOTES

- 4' x 8' x 3/4" EXTERIOR PLYWOOD BACKBOARD PAINTED WITH TWO COATS OF FIRE RETARDANT PAINT AND EXTENDED TO COVER WALL. COLOR TO MATCH THE ROOM FINISH.
- 18"W x 4"D CABLE TRAY WITH 9" RUNG SPACING.
- RELOCATED DSX ACCESS CONTROL PANEL.



ENLARGED TELECOM RM CC.02.011 PLAN
SCALE: 1/4" = 1'-0"

REVISIONS:

NO.	DESCRIPTION	DATE	BY	CHKD	DATE

PHASE:	DATE	BY	CHKD	DATE
SCHEMATIC DESIGN	--	--	--	04/09/26
BID DOCUMENTS	CC	DW	DW	04/15/26
CONSTRUCTION DOCUMENTS	CC	DW	DW	05/01/26
CONTRACT DOCUMENTS	--	--	--	--
CHECK PLAN	--	--	--	--

JRA ARCHITECTS
2211 NAVY BLVD., STE 100
PANAMA CITY BEACH, FL
PHONE: (850) 236-9832
Commission Number: 26876

CONSULTANTS:

PROJECT:

ROSENWALD SCHOOL PHASE 1
BUILDING #2 REMODELING

PANAMA CITY

SHEET TITLE:
TELECOM
SCHEDULES

SHEET NUMBER:

26031
Job No.

INGENIERS
ING Engineers
142 Eighth Parkway SE
Fort Walton Beach, Florida, 32548
E-mail: office@ingeniers.com
Ph: 850.243.8723
FL Authorization No. 00006660
Christopher A. Garsick, FL PE No. 53924
Thomas A. Alexander, FL PE No. 53172
Daniel J. White, FL PE No. 73790
Caleb W. Leonard, FL PE No. 61762

T6.1