

ABBREVIATIONS

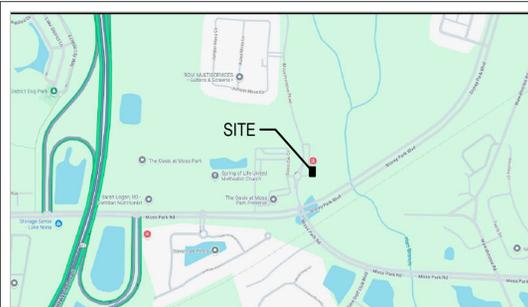
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
A/C	AIR CONDITIONING
ARCH	ARCHITECT(URAL)
@	AT
BLK	BLOCK(ING)
BOT	BOTTOM
BLDG	BUILDING
CLG	CEILING
CL	CENTER LINE
CIRC	CIRCUIT
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONST	CONSTRUCTION
CONT	CONTINUOUS
CTR	COUNTER
DTL	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DWG	DRAWING
EA	EACH
ELEV	ELEVATION
EQ	EQUAL
EQPT	EQUIPMENT
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
EIFS	EXTERIOR INUL. FINISH SYSTEM
FT(')	FEET, FOOT
FIN	FINISHED
FL	FLOORING
FD	FLOOR DRAIN
FLUR	FLUORESCENT
F.R.	FIRE RATED
F.E.	FIRE EXTINGUISHER
GWB	GYPSUM WALL BOARD
HDW	HARDWARE
HDWD	HARDWOOD
HVAC	HEATING/VENTILATION/AIR CONDITIONING
HM	HOLLOW METAL
IN(")	INCH
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
LL	LANDLORD
MANUF	MANUFACTURE(R)
MFG	MANUFACTURE(R)
MECH	MECHANICAL
MISC	MISCELLANEOUS
M.R.	MOISTURE RESISTANT
MULL	MULLION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NUM	NUMBER
OFF	OFFICE
OC	ON CENTER(S)
OPNG	OPENING
OPH	OPPOSITE HAND
OD	OUTSIDE DIAMETER
PNT	PAINT(ED)
P-LAM	PLASTIC LAMINATE
PLWD	PLYWOOD
POL	POLISHED
PROJ	PROJECT
P	PLATE
RE	REFERENCE
REF	REFRIGERATOR
REM	REMOVE(D)ABLE
REQ'D	REQUIRED
REV	REVISION(S) REVISED
RM	ROOM
RO	ROUGH OPENING
RD	ROUND
SCH	SCHEDULE
SEC	SECTION
SHT	SHEET
SIM	SIMILAR
SC	SOLID CORE
SPEC	SPECIFICATION(S)
SS	STAINLESS STEEL
STO	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
TEL	TELEPHONE
TYP	TYPICAL
THRU	THROUGH
VCT	VINYL COMPOSITION TILE
VEST	VESTIBULE
W/	WITH
W/O	WITHOUT
WD	WOOD
WDB	WOOD BASE

DEFERRED SUBMITTAL LIST:

- METAL BUILDING MANUFACTURER SHOP DRAWINGS.
 - SPRINKLER SHOP DRAWINGS
 - FIRE ALARM SHOP DRAWINGS
- ### CHILD PERMIT:
- DUMPSTER ENCLOSURE - B25902034
 - FENCE - B25903125

General Notes

- ALL WORK WILL COMPLY WITH LOCAL, STATE, AND NATIONAL CODES RELATED TO THIS PROJECT.
- THE WRITTEN DIMENSIONS PREVAIL ON THE CONSTRUCTION DOCUMENTS. DO NOT SCALE THESE DRAWINGS. CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. IF ANY DISCREPANCY OCCURS, THE CONTRACTOR IS REQUIRED TO NOTIFY THE OWNER IN WRITING BEFORE PROCEEDING WITH ANY WORK AFFECTED BY THE DISCREPANCY.
- CONTRACTORS TO SECURE ALL PERMITS AND REQUIRED INSPECTIONS NECESSARY TO OBTAIN A CERTIFICATE OF OCCUPANCY, AND OCCUPANCY LICENSES.
- ALL MATERIALS TO BE SECURED ON SITE IN LOCKED CONTAINERS.
- EACH CONTRACTOR AND SUBCONTRACTOR IS EXPECTED TO REVIEW ALL CONTRACT DOCUMENTS AND SITE CONDITIONS PRIOR TO ISSUED BID. CHANGE ORDERS WILL NOT BE APPROVED FOR FAILURE TO DO SO.
- PRODUCTS SPECIFIED OR OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS SHALL NOT BE SUBSTITUTED WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER.
- THIS CONTRACTOR SHALL COORDINATE ALL TRADES REQUIRED TO COMPLETE THIS PROJECT AS REQUIRED TO ACTIVATE THE USE OF THE FACILITY AS PLANNED.
- THE CONTRACTOR SHALL HAVE INSTALLATION INSTRUCTIONS FOR ALL EQUIPMENT AND APPLIANCES ON SITE AT TIME OF INSPECTION.
- ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF MASONRY AND CENTERLINE OF COLUMNS UNLESS OTHERWISE NOTED.
- ANYWHERE THE TERM PROVIDE OR INSTALL IS USED, IT SHALL MEAN PROVIDE AND INSTALL UNLESS OTHERWISE NOTED.
- METAL BUILDING SHOP DRAWINGS MUST BE SUBMITTED TO THE BUILDING DEPARTMENT AFTER REVIEW AND APPROVAL BY LIS, LLC. REFER TO SECTION 107.3.4.1 OF THE FBC 2017.
- A SEPARATE INSPECTION IS REQUIRED FOR THE CONNECTIONS AND ERECTION OF THE METAL BUILDING AND A LETTER CERTIFYING COMPLIANCE WITH THE APPROVED SHOP DRAWINGS IS REQUIRED BEFORE CERTIFICATE OF OCCUPANCY WILL BE ISSUED. FBC 2017 SECTIONS 2204 AND 111
- NO SPRINKLER WORK SHALL BE PERFORMED PRIOR TO SHOP DRAWING APPROVAL BY THE FIRE DEPARTMENT.



Project Description

THESE PLANS INDICATE THE PROPOSED NEW FREESTANDING DAYCARE BUILDING. PROPOSED BUILDING IS 7,500 SF. PROJECT TO INCLUDE ARCHITECTURAL, STRUCTURAL FOUNDATION, MECHANICAL, PLUMBING AND ELECTRICAL.

PROJECT INFORMATION:

(BASED ON 2023 FLORIDA BUILDING CODE, 8TH EDITION)

JURISDICTION: ORANGE COUNTY, FL
BUILDING DIVISION
201 S ROSALIND AVE
ORLANDO, FL 32801
407-836-5550

ADOPTED CODES
BUILDING CODE: 2023 FLORIDA BUILDING CODE - 8TH EDITION
FIRE CODE: 2023 FLORIDA FIRE PREVENTION CODE - 8TH EDITION
ELECTRICAL: 2020 NATIONAL ELECTRICAL CODE
PLUMBING: 2023 FLORIDA BUILDING CODE, PLUMBING - 8TH EDITION
MECHANICAL: 2023 FLORIDA BUILDING CODE, MECHANICAL - 8TH EDITION
GAS: IFGC 2009, GAS
ENERGY: 2023 FLORIDA BUILDING CODE, ENERGY CONSERVATION - 8TH EDITION
ACCESSIBILITY: 2023 FLORIDA BUILDING CODE, ACCESSIBILITY - 8TH EDITION

Building Information

TOTAL BUILDING: 7,500 SF
BUILDING HEIGHT: 1 STORY RIDGE HT @ 21'-8" A.F.F.
OCCUPANCY TYPE: GROUP E - EDUCATIONAL PER FBC

305.2 GROUP E, DAY CARE FACILITIES.
This group includes buildings and structures or portions thereof occupied by more than five children older than 2 1/2 years of age who receive educational, supervision or personal care services for fewer than 24 hours per day.
Only 46 occupants under the age of 2 1/2 years old.

308.5.1 CLASSIFICATION AS GROUP E.
A child day care facility that provides care for more than five but not more than 100 children 2 1/2 years or less of age, where the rooms in which the children are cared for are located on a level of exit discharge serving such rooms and each of these child care rooms has an exit door directly to the exterior, shall be classified as Group E.

OCCUPANT LOAD: 1 PERSON PER 35 SF GROSS CLASSROOMS
1 PERSON 100 GROSS SQ. FT. FOR OFFICE
1 PERSON PER 300 GROSS SQ. FT. FOR STORAGE

TYPE OF CONSTRUCTION: II-B UNPROTECTED, SPRINKLED

ALLOWABLE AREA (SQ.FT.): 58,000 GROSS IBC 2023 TABLE 506.2

ALLOWABLE HEIGHT: 3 STORIES AND 75 FEET PER FBC 2023 TABLE 504.3a & 504.4

Contact Information

OWNER: DR. MIA YOUNG
WMM REALTY, LLC
2580 N. MARCOSSSEE ROAD
ST. CLOUD, FL 34771

ARCHITECT: LIS, LLC ARCHITECTURE & ENGINEERING
2572 WEST STATE ROAD 426, SUITE 2064
OWIEDO, FL 32765
PHONE: 321-244-0402
CONTACT: H. DANIEL HUTTER R.A.
E-MAIL: DANH@LIS-AE.COM

MECHANICAL & ELECTRICAL ENGINEER: LIS ENGINEERING
2572 WEST STATE ROAD 426, SUITE 2064
OWIEDO, FL 32765
PHONE: 321-244-0402
CONTACT: CLARK STILWELL

CIVIL ENG.: KIMLEY-HORN AND ASSOCIATES, INC
200 SOUTH ORANGE AVE. SUITE #600
ORLANDO, FL 32801
PHONE: 407-898-1511
CONTACT: RYAN WAGNER
E-MAIL: RYAN.WAGNER@KIMLEY-HORN.COM

LANDSCAPE ARCHITECT: KIMLEY-HORN AND ASSOCIATES, INC
200 SOUTH ORANGE AVE. SUITE #600
ORLANDO, FL 32801
PHONE: 407-898-1511
CONTACT: RYAN WAGNER
E-MAIL: RYAN.WAGNER@KIMLEY-HORN.COM

BUILDING DEPARTMENT: ORANGE COUNTY BUILDING DIVISION
201 S ROSALIND AVE
ORLANDO, FL 32801
407-836-5550

Note:
Two-Way Communication Enhancement System. Minimum signal strength for emergency services communication will be required for this building. A hold will be placed on this permit for a radio signal survey to be performed by a licensed contractor. A DAS/SDA system will be required if minimum radio strength cannot be met. [NFPA 11.10]



BRIGHT SCHOLARS EARLY LEARNING CENTER

MOSS PRESERVE PARKWAY ORLANDO, FL 32820

SHEET INDEX:

SHEET #	TITLE	SUBMISSION DATE					
		PERMIT 02/21/25	REV 1 05/06/25	REV 2 06/05/25	REV 3 07/22/25	REV 4 08/22/25	REV 5 09/17/25
GENERAL							
T-1.0	COVER SHEET	X	X	X	X	X	X
SP-1	ARCHITECTURAL SITE PLAN	X	X	X	X	X	X
DE-1	DUMPSTER ENCLOSURE PLAN AND DETAILS	X					
LS-1.0	LIFE SAFETY PLAN	X	X	X			
ARCHITECTURAL							
A-1.0	FLOOR PLAN	X	X		X	X	X
A-1.1	REFLECTED CEILING PLAN & SCHEDULES	X	X				
A-1.2	ROOF PLAN & DETAILS	X	X				
A-1.3	ENLARGED RESTROOM, KITCHEN PLANS & ADA DETAILS	X	X				
A-2.0	EXTERIOR ELEVATIONS	X	X	X			
A-3.0	BUILDING SECTION & EIFS ATTACHMENT DETAILS	X					
A-4.0	WALL SECTIONS	X					
A-4.1	WALL SECTIONS	X					
A-5.0	ENLARGED RESTROOM PLANS	X					
A-6.0	UL ASSEMBLIES		X				
STRUCTURAL							
S-1.0	STRUCTURAL SPECIFICATIONS	X					
S-2.0	FOUNDATION PLAN	X			X		X
S-2.1	STRUCTURAL DETAILS	X					X
S-2.2	STRUCTURAL DETAILS	X			X		
MECHANICAL / PLUMBING							
M-0.0	MECHANICAL DATA SHEET & SPECIFICATIONS	X					
M-1.0	MECHANICAL DETAILS	X	X				
M-2.0	MECHANICAL PLAN, SCHEDULES & NOTES	X	X			X	
P-0.0	PLUMBING DATA SHEET & SPECIFICATIONS	X					
P-1.0	PLUMBING WASTE AND VENT PLAN	X	X	X			
P-2.0	PLUMBING WATER SUPPLY PLAN	X	X				
P-3.0	PLUMBING RISER DIAGRAMS	X	X				
P-4.0	PLUMBING DETAILS	X	X	X			
P-5.0	GREASE INTERCEPTOR DETAILS				X		
ELECTRICAL							
E-1.0	ELECTRICAL SPECIFICATIONS	X					
E-1.1	SITE LIGHTING PLAN	X					
E-2.0	ELECTRICAL LIGHTING PLAN	X	X	X			
E-3.0	ELECTRICAL POWER PLAN	X				X	
E-4.0	ELECTRICAL RISER AND PANEL SCHEDULE	X					
ES1	ELECTRICAL SITE PLAN	X	X				
ES2	SITE PHOTOMETRIC PLAN	X	X	X	X		
ES3	SITE PHOTOMETRIC DETAILS	X	X				
ES4	SITE PHOTOMETRIC DETAILS	X	X				

ARCHITECT ENGINEER
LIS
LAND INVESTMENT SERVICES, LLC
CA NO. 28005
21430 Palm Beach Blvd
Suite 2064
Orlando, FL 32716
Phone: (321) 833-8928
Facsimile: (321) 244-9419

CLIENT NAME
WMM REALTY, LLC
2580 N. MARCOSSSEE ROAD
ST CLOUD, FLORIDA 34771

PROJECT NAME
**BRIGHT SCHOLARS
EARLY LEARNING ACADEMY**
MOSS PRESERVE PARKWAY
ORLANDO, FLORIDA, 32820

SEAL
HAROLD DANIEL HUTTER III
FL LIC: AR88913
This item has been digitally signed and sealed by Harold Daniel Hutter III on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

RELEASE	DATE
CO. COMMENTS	05-06-25
CO. COMMENTS	06-05-25
CO. COMMENTS	07-18-25
ADDED COLUMNS	08-22-25
CLARIFICATION	09-18-25

PROJECT NO.
2024-040
PER MBM 02-11-26

ISSUE DATE
2-24-25

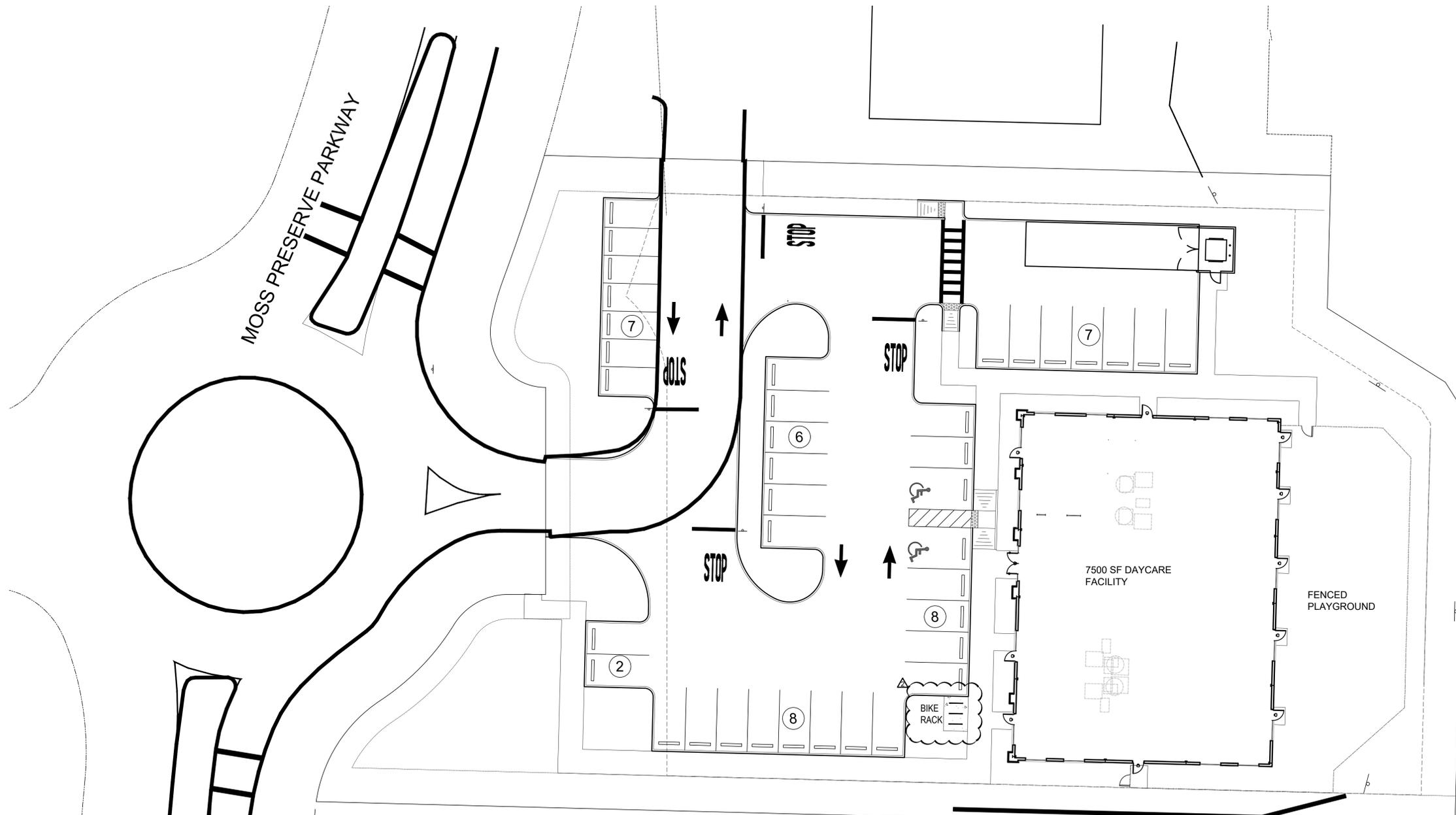
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SHEET NO.
T-1.0

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Cover Sheet

MOSS PRESERVE PARKWAY



PARKING

PARKING REQUIRED: ONE (1) SPACE FOR EACH 10 CHILDREN PLUS 1 SPACE FOR EACH 5 CHILDREN (WITHOUT DROP OFF). UP TO TWENTY-FIVE (25%) PERCENT OF THE OFF-STREET PARKING SPACES MAY BE DESIGNED AS COMPACT CAR PARKING SPACES. TWO (2) BICYCLE PARKING SPACES PER FIRST TEN (10) PARKING, PLUS ONE (1) ADDITIONAL BICYCLE PARKING SPACE FOR EACH TEN (10) VEHICULAR PARKING SPACES.

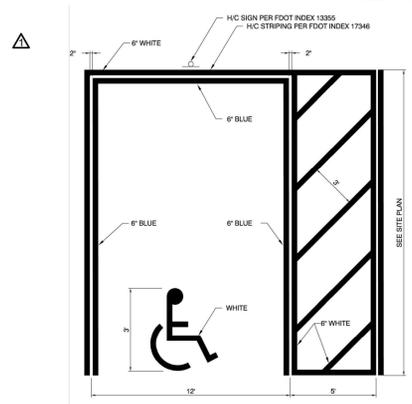
128 CHILDREN / 10 + 128 CHILDREN / 5 = 38 STALLS REQUIRED

PROPOSED PARKING STALLS	29
PROPOSED COMPACT PARKING STALLS	7
PROPOSED ADA STALLS	2
TOTAL	38 PROVIDED

ADA PARKING PER FBC TABLE 208.2 25 TO 50 SPACES REQUIRE 2 ADA SPACES

BICYCLE PARKING CALCULATION 38-10 = 28/10 = 2.8 2.8+2=5 REQUIRED

BICYCLE PARKING PROVIDED 6 (3 RACKS)



NOTES:

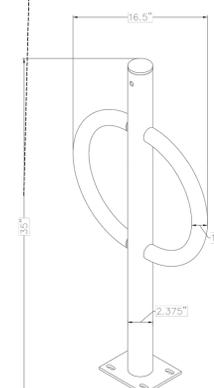
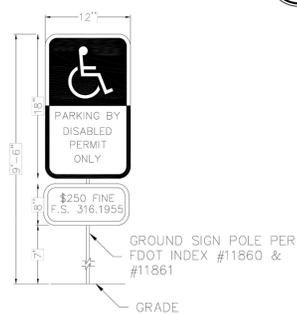
1. ALL LETTERS ARE 1" SERIES "C" PER MUTCD.
2. TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
3. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
4. FINE NOTIFICATION SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE BORDER AND LEGEND.
5. ONE (1) SIGN REQUIRED FOR EACH ADA PARKING SPACE.
6. INSTALLATION HEIGHT OF THE SIGN SHALL BE IN ACCORDANCE WITH SECTION 24-23 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

ADA SIGN AND PARKING DETAIL
(PER FDOT STANDARD INDEX #711-001)



1 Architectural Site Plan

SP-1 SCALE: 1/16" = 1' - 0"



PRODUCT: DERO BIKE HITCH (OR EQUIVALENT)
FINISH: STAINLESS STEEL (OR OWNER APPROVED)
NOTE: INSTALL PER MANUFACTURER'S SPECIFICATIONS

WWW.DERO.COM
1-800-298-4915

Bicycle racks shall be provided per O.C. Code
Sec 38-1484 and Sec. 38-1485

BIKE RACK DETAIL

ARCHITECT / ENGINEER
LIS
LAND INVESTMENT SERVICES, LLC
CA NO: 29005
2572 West State Road 426
Suite 200
Orlando, FL 32835
Phone: (321) 244-9402
Facsimile: (321) 244-9419

CLIENT NAME
WMM REALTY, LLC
2880 N. MARCOOSSEE ROAD
ST CLOUD, FLORIDA 34771

PROJECT NAME
**BRIGHT SCHOLARS
EARLY LEARNING ACADEMY**
MOSS PRESERVE PARKWAY
ORLANDO, FLORIDA 32820

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PROJECT NO.
2024-040

ISSUE DATE
2-24-25

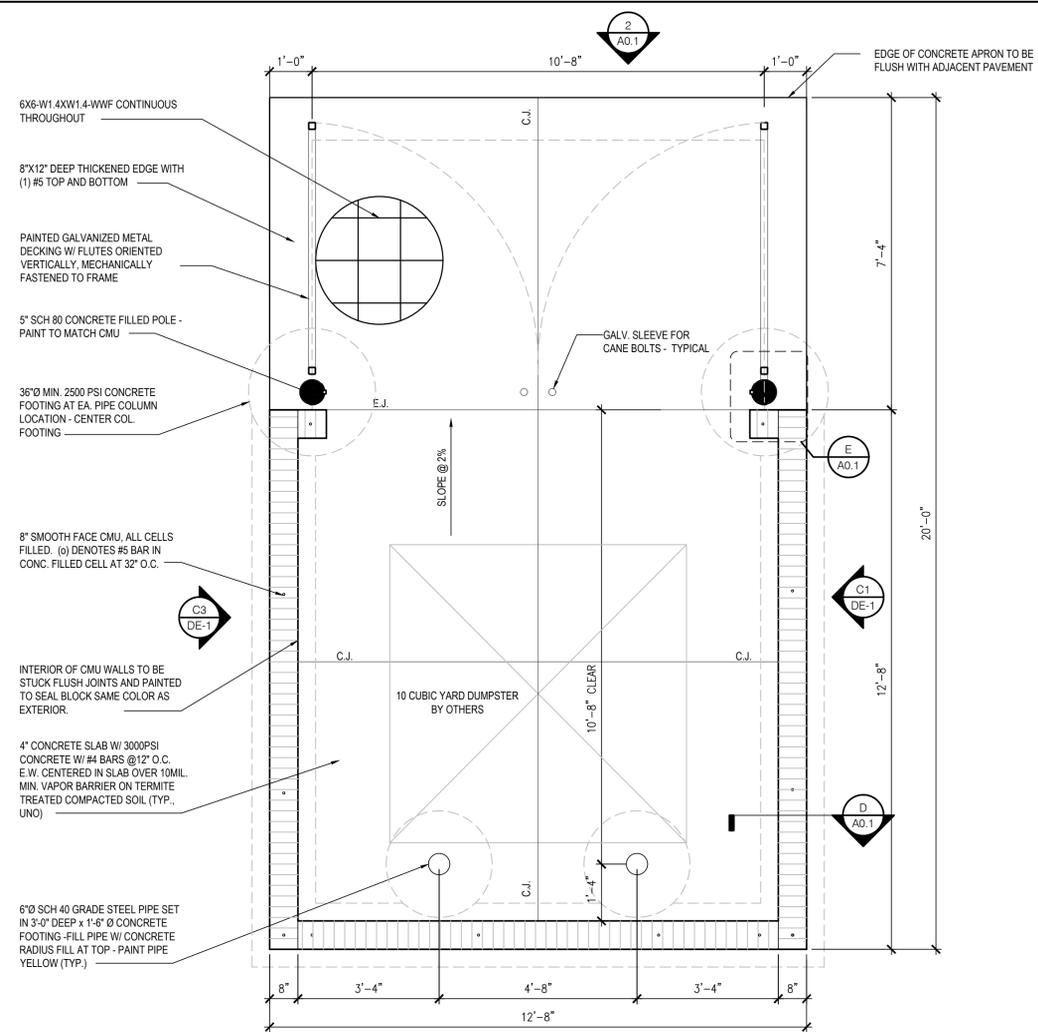
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SHEET NO.
SP-1

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NTS

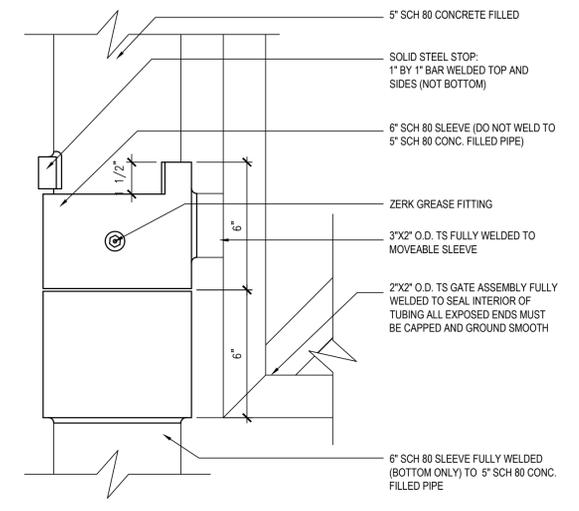
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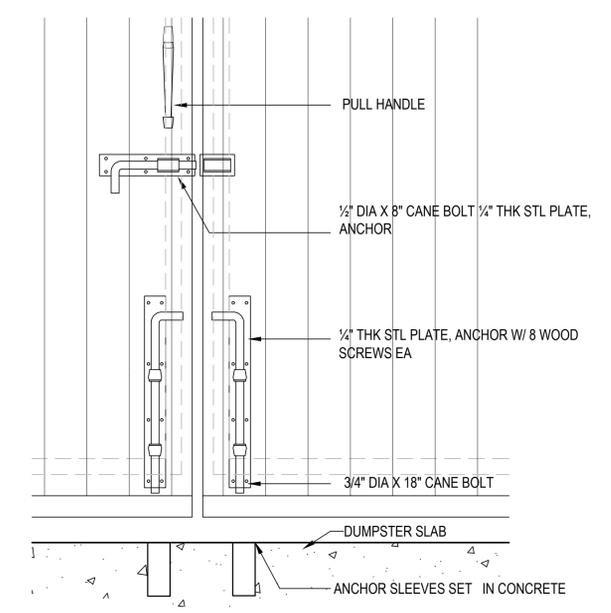
1 Trash Enclosure Plan
 DE-1 SCALE: 1/2" = 1' - 0"



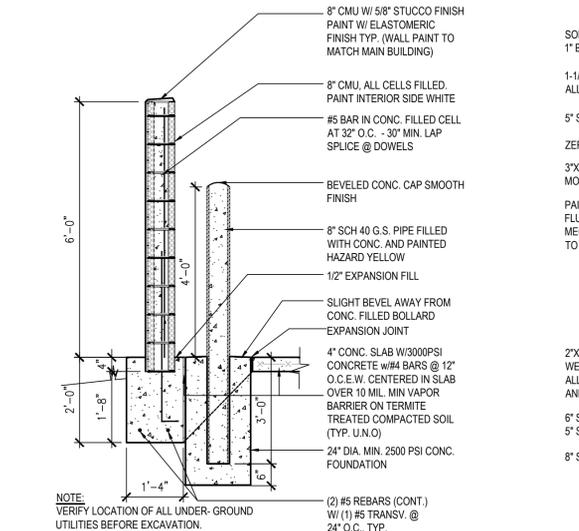
NOTE:
 2023 FLORIDA BUILDING CODE 8TH EDITION,
 TABLE 107.3.5, 1609.1
 WIND LOAD OF AT LEAST 129MPH



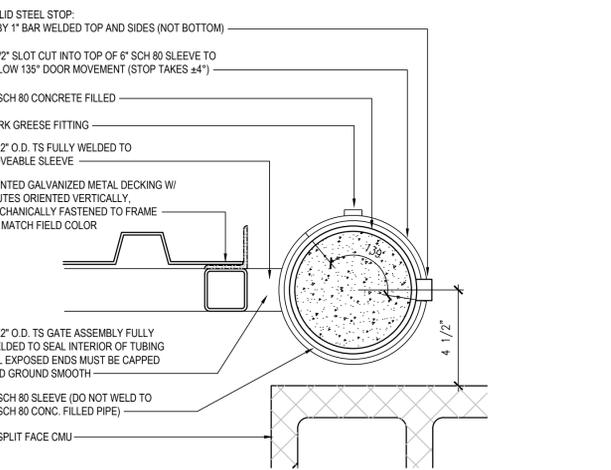
F Trash Enclosure Section
 DE-1 SCALE: 3" = 1' - 0"



G Cane Bolt Detail
 DE-1 SCALE: 1 1/2" = 1' - 0"



D Dumpster Wall Section
 A0.1 SCALE: 1/2" = 1' - 0"



E Hinge Plan Detail
 A0.1 SCALE: 3" = 1' - 0"



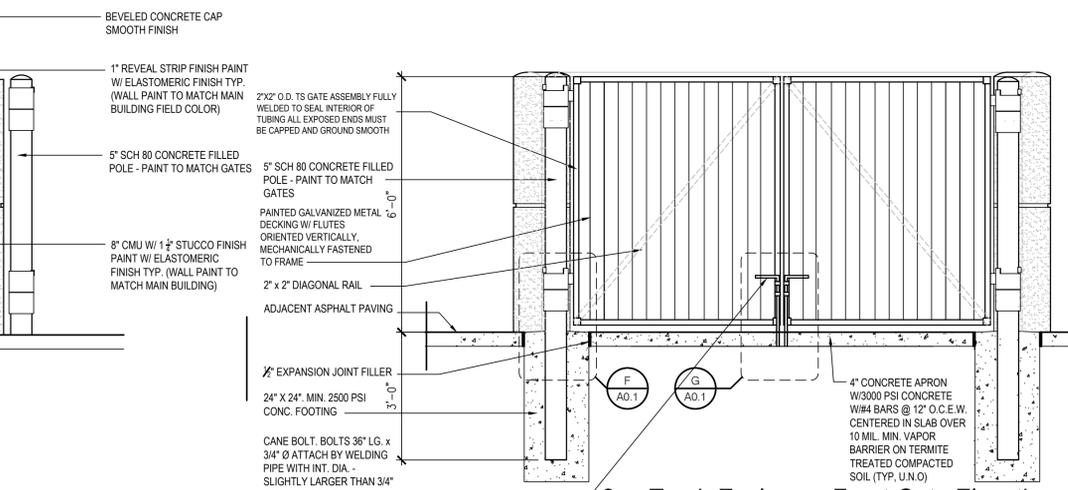
C3 Dumpster Side Elevation
 A0.1 SCALE: 1/2" = 1' - 0"



C2 Dumpster Rear Elevation
 A0.1 SCALE: 1/2" = 1' - 0"

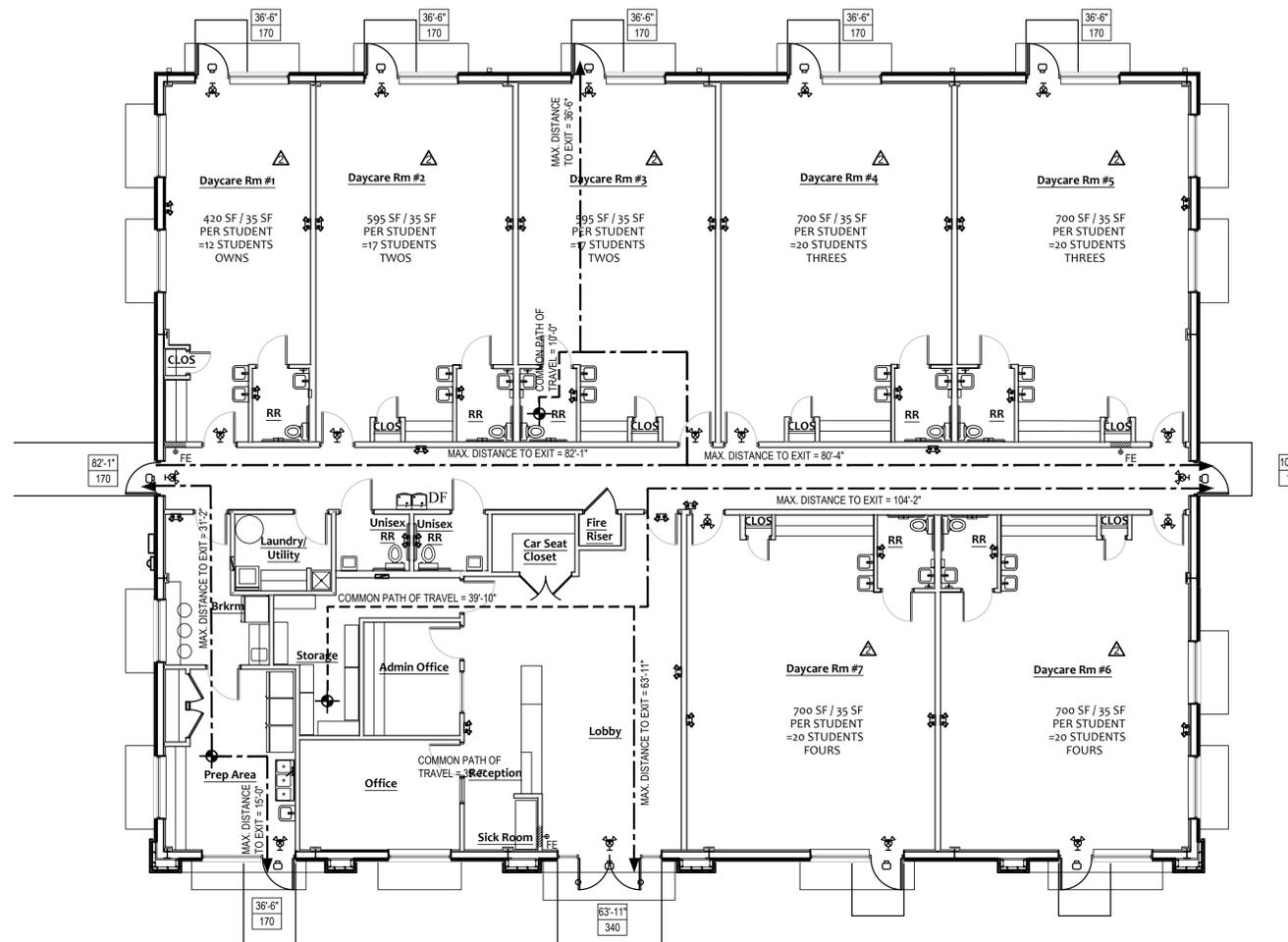


C1 Dumpster Side Elevation
 A0.1 SCALE: 1/2" = 1' - 0"



2 Trash Enclosure Front Gate Elevation
 A001 SCALE: 1/2" = 1' - 0"

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SPECIAL NOTE:
 DAYCARE MILLWORK IS THE AREA IN EACH DAYCARE ROOM THAT IS COUNTER AND CABINET. THIS AREA CANNOT BE COUNTED FOR OCCUPANCY COUNT PER STATE EDUCATIONAL REQUIREMENTS.

OCCUPANT LOAD

OCCUPANT LOAD CALCULATION (FBC TABLE 1004.1.2)		
	FLOOR AREA	OCCUPANT LOAD
CLASSROOMS		
DAYCARE ROOM #1	420 S.F. / 35	12 CHILDREN / 2 STAFF
DAYCARE ROOM #2	595 S.F. / 35	17 CHILDREN / 2 STAFF
DAYCARE ROOM #3	595 S.F. / 35	17 CHILDREN / 2 STAFF
DAYCARE ROOM #4	700 S.F. / 35	20 CHILDREN / 2 STAFF
DAYCARE ROOM #5	700 S.F. / 35	20 CHILDREN / 2 STAFF
DAYCARE ROOM #6	700 S.F. / 35	20 CHILDREN / 2 STAFF
DAYCARE ROOM #7	700 S.F. / 35	20 CHILDREN / 2 STAFF
DAYCARE MILLWORK	134 SF	N/A
LOBBY (UNCONCENTRATED)	460 S.F. / 15	31
OFFICES	360 S.F. / 150	3
STORAGE ROOMS	183 S.F. / 300	1
KITCHEN	218 S.F. / 200	2
COORDIDORS	571 S.F.	N/A
RESTROOMS	349 S.F.	N/A
FIRE RISER	12 S.F.	N/A
SICK ROOM	36 S.F. / 150	1
BREAK ROOM	117 S.F. / 15	8
UTILITY	218 S.F. / 300	1
		N/A
TOTAL (NET)	± 7,068 S.F.	187 OCCUPANTS

PLUMBING CALCULATIONS

PLUMBING, MINIMUM FACILITIES (FBC; PLUMBING TABLE 403.1)
 192 OCCUPANTS / 2 = 96 MALE AND 96 FEMALE OCCUPANTS

FIXTURE TYPE	REQUIRED	PROVIDED
WATER CLOSETS	1 PER 50 = 100 / 50 = 2 PER SEX	2 UNISEX / 7 STUDENT
LAVATORIES	1 PER 50 = 100 / 50 = 2 PER SEX	2 UNISEX / 7 STUDENT

INTERIOR FINISHES (FBC 803)

CLASSIFICATION (FBC 803.1)
 CLASS A: FLAME SPREAD INDEX 0-25; SMOKE-DEVELOPED INDEX 0-450.
 CLASS B: FLAME SPREAD INDEX 26-75; SMOKE-DEVELOPED INDEX 0-450.
 CLASS C: FLAME SPREAD INDEX 76-200; SMOKE-DEVELOPED INDEX 0-450.

OCCUPANCY (DAYCARE, E SPRINKLERED) (FBC TABLE 803.9)
 VERTICAL EXITS AND EXIT PASSAGEWAYS - CLASS B
 EXIT ACCESS CORRIDORS AND OTHER EXITWAYS - CLASS C
 ROOMS AND ENCLOSED SPACES - CLASS C

FIRE RESISTANCE
 MATERIALS/CONSTRUCTION (FBC 708) RATINGS- TYPE II-B CONST. SINGLE OCCUPANCY BUILDING

FIRE RESISTANCE RATINGS - HR'S (FBC TABLE 601)

BUILDING ELEMENT	REQ'D	PROVIDED
STRUCTURAL FRAME		
INCLUDING COLUMNS, GIRDERS, TRUSSES	0	0
BEARING WALLS		
EXTERIOR	0	N/A
INTERIOR	0	N/A
NONBEARING WALLS AND PARTITIONS		
EXTERIOR (FBC TABLE 602, <20 FEET, IIB, GROUP M)	0	0
NONBEARING WALLS AND PARTITIONS		
INTERIOR	0	0
FLOOR CONSTRUCTION		
INCLUDING SUPPORTING BEAMS AND JOISTS	0	N/A
ROOF CONSTRUCTION		
INCLUDING SUPPORTING BEAMS AND JOISTS	0	0

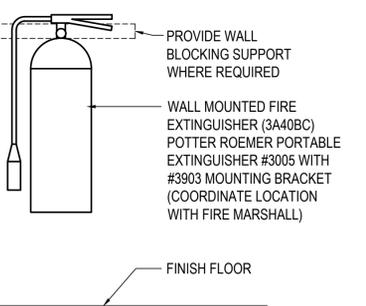
MEANS OF EGRESS (FBC 1010 - 1005)

EGRESS WIDTH PER OCCUPANT - SPRINKLERED (FBC TABLE 1005.1)	0.3
STAIRWAYS (INCHES PER OCCUPANT)	0.15
OTHER EGRESS COMPONENTS (INCHES PER OCCUPANT)	
EXIT ACCESS TRAVEL DISTANCE (FBC TABLE 1016.1)	250'
EDUCATIONAL OCCUPANCY, SPRINKLERED	
CORRIDOR WIDTH (FBC 1020.2)	72"
MINIMUM WIDTH	
DEADEND CORRIDOR LENGTH (FBC 1020.4)	20'
MAXIMUM LENGTH	
SIZE OF DOORS (FBC 1008.1)	32"
MINIMUM CLEAR WIDTH	
COMMON PATH OF TRAVEL (FBC 1014.3)	75'
MAXIMUM LENGTH	

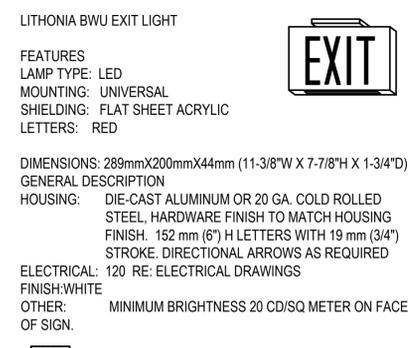
NUMBER OF EXITS AND CONTINUITY (FBC 1006.3.1)

OCCUPANT LOAD	MIN. REQ'D EXITS	PROVIDED
LESS THAN 500	2	2
DAYCARE MEANS OF EGRESS (FBC 1006.2.2.4)		
OCCUPANT LOAD	MIN. REQ'D EXITS	PROVIDED
MORE THAN 10	2	3

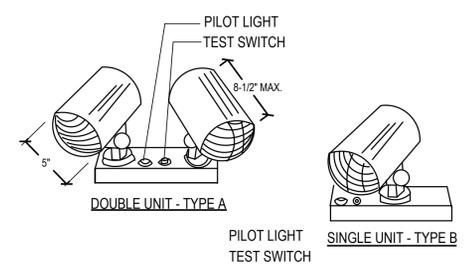
1 Life Safety Plan
 Scale: 1/8"=1'-0"



2 Fire Extinguisher Detail
 Scale: NTS



3 Exit Signage
 Scale: NTS



- LUMINAIRE REQUIREMENTS**
- ALUMINUM FINISHED CHANNEL MOUNTING BASE WITH TEST SWITCH AND PILOT OR HIGH RATE INDICATING LIGHT.
 - CYLINDERS FOR LIGHTS AND BATTERY AND CHARGER SHALL BE PAINTED, MATTE WHITE AND SHALL BE FULLY ADJUSTABLE.
 - BATTERY SHALL BE MAINTENANCE FREE NICKEL CADMIUM WITH FULL 5 YEAR WARRANTY.
 - UNIT SHALL HAVE AUTOMATIC TWO RATE CHARGER.
 - SWITCHING AND CONTROLS - COMPLETELY SOLID STATE WITH AUTO TRANSFER AND LOW VOLTAGE CUT OFF. TEST SWITCH AND HIGH RATE INDICATING LIGHT.
 - 9 WATT TUNGSTEN HALOGEN LAMP.

4 Emergency Lighting Fixture
 Scale: NTS

LEGEND

SYMBOL	DESCRIPTION
HS	HORN / STROBE
⊕	EXIT LIGHT
EL	EMERGENCY LIGHTING WALL PACK
EEL	EXTERIOR EMERGENCY LIGHTING WALL PACK
EM/NL	FLUORESCENT FIXTURE W/ EMERGENCY LIGHTING BALLAST
---	COMMON PATH OF TRAVEL
---	MAXIMUM EGRESS PATH
⊕FE	FIRE EXTINGUISHER, WALL MOUNTED (F.E.) RE: NFPA
⊕	MOST REMOTE POINT
68' / 170'	EGRESS WIDTH (INCHES) / EGRESS CAPACITY (PEOPLE)

- LIFE SAFETY NOTES**
- FINAL QUANTITY, TYPE, SIZE AND LOCATION OF ALL FIRE EXTINGUISHERS TO BE DETERMINED BY THE FIRE MARSHALL.
 - FIRE SPRINKLER CONTRACTOR SHALL SUBMIT FOR AND OBTAIN A SEPARATE PERMIT PRIOR TO INSTALLATION.
 - A FIRE ALARM SHALL BE PROVIDED PER NFPA 101, 2009 EDITION, SECTION 12.3.4. "THE FIRE ALARM CONTRACTOR SHALL SUBMIT FOR PERMITTING PRIOR TO INSTALLATION".

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PROJECT NAME
**BRIGHT SCHOLARS
 EARLY LEARNING ACADEMY**
 MOSS PRESERVE PARKWAY
 ORLANDO, FLORIDA 32820

SHEET TITLE
LIFE SAFETY PLAN

SEAL
 HAROLD DANIEL HUTTER III
 FL LIC: AR89913
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RELEASE	DATE
CO. COMMENTS	06-05-25
CO. COMMENTS	06-30-25

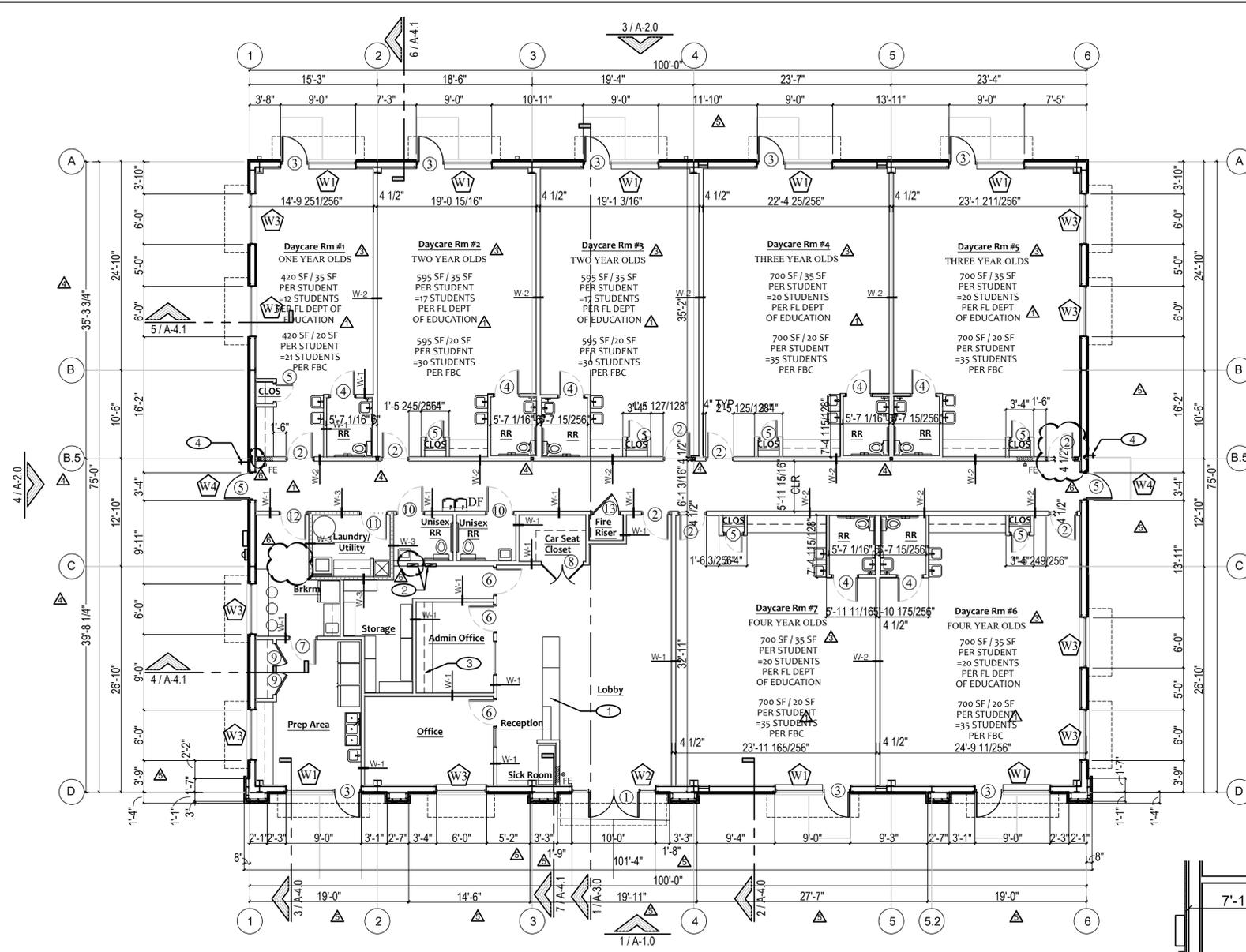
PROJECT NO.
 2024-040

ISSUE DATE
 2-24-25

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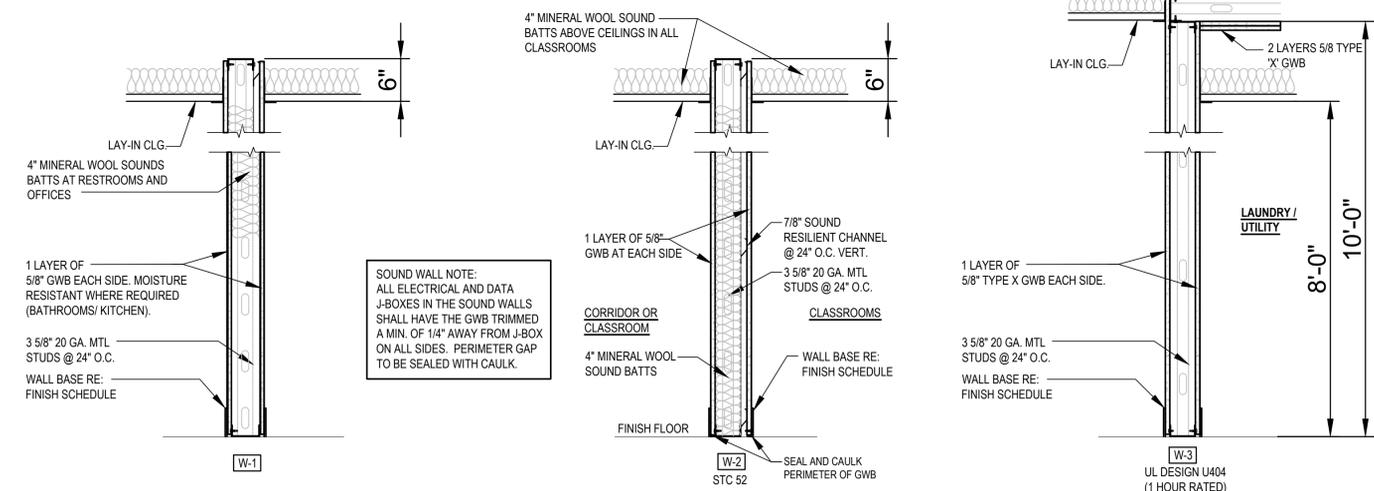
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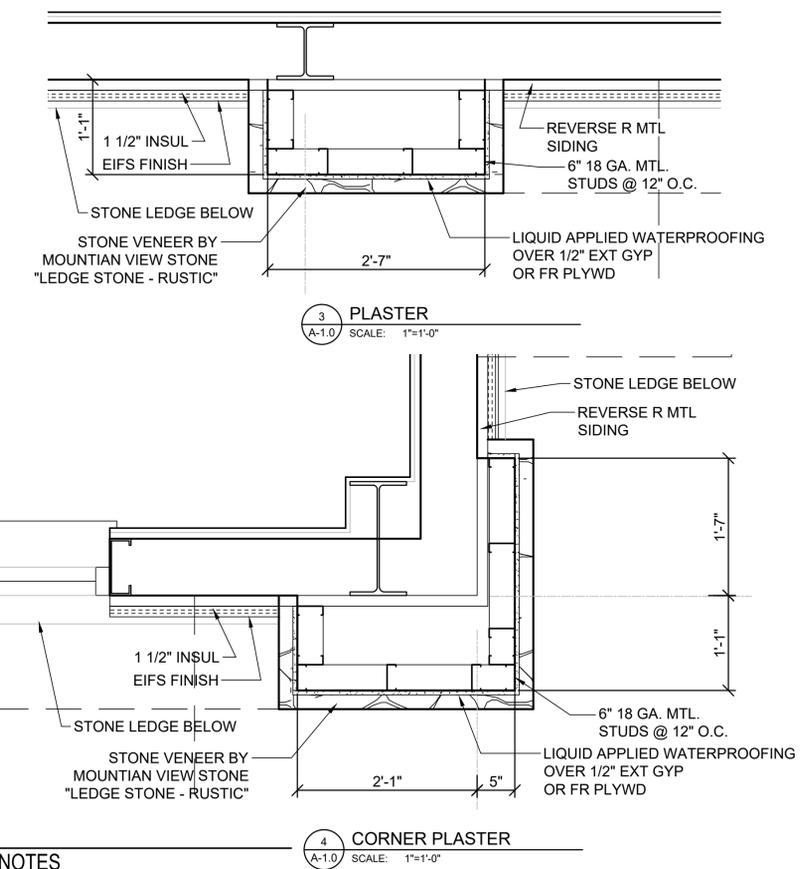
1 Floor Plan
Scale: 1/8"=1'-0"

TYPICAL NOTE:
INTERIOR JOINTS & PENETRATIONS: PROVIDE CONTINUOUS SEAL AT TOP & BOTTOM OF ALL GYP. BD, WALLS, WALL & FLOOR PENETRATIONS, STOREFRONT, DOOR FRAMES & ROOF PENETRATIONS - COLOR TO MATCH ADJACENT FINISH EXTERIOR PENETRATIONS: PROVIDE WATER TIGHT SEALS

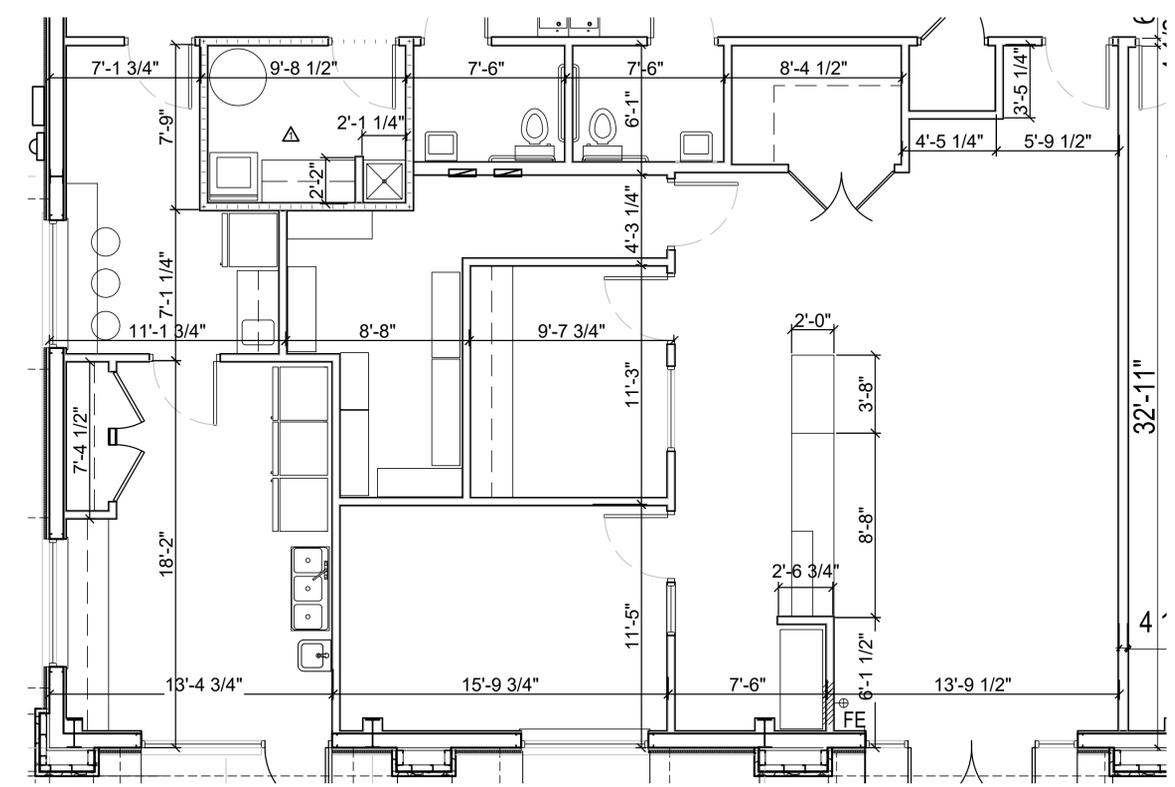


2 Partition Types
Scale: NTS

- FLOOR PLAN KEY NOTES**
- ① RECEPTION COUNTER COORDINATE WITH MILLWORK VENDOR
 - ② ELECTRICAL PANELS - SEE ELECTRICAL DRAWINGS
 - ③ COORDINATE OFFICE EQUIPMENT AND FURNITURE WITH OWNER
 - ④ HOSE BIB. COORDINATE WITH PLUMBING SHEETS



3 CORNER PLASTER
SCALE: 1"=1'-0"



2 Enlarged Floor Plan
Scale: 1/4"=1'-0"

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SHEET TITLE
FLOOR PLAN

SEAL

HAROLD DANIEL HUTTER III
 FL LIC: AR88913
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RELEASE	DATE
CO. COMMENTS	05-06-25
CO. COMMENTS	07-18-25
ADDED COLUMNS	08-22-25
CLARIFICATION	09-18-25
PER MBM	02-11-26

PROJECT NO:
 2024-040

ISSUE DATE:
 2-24-25

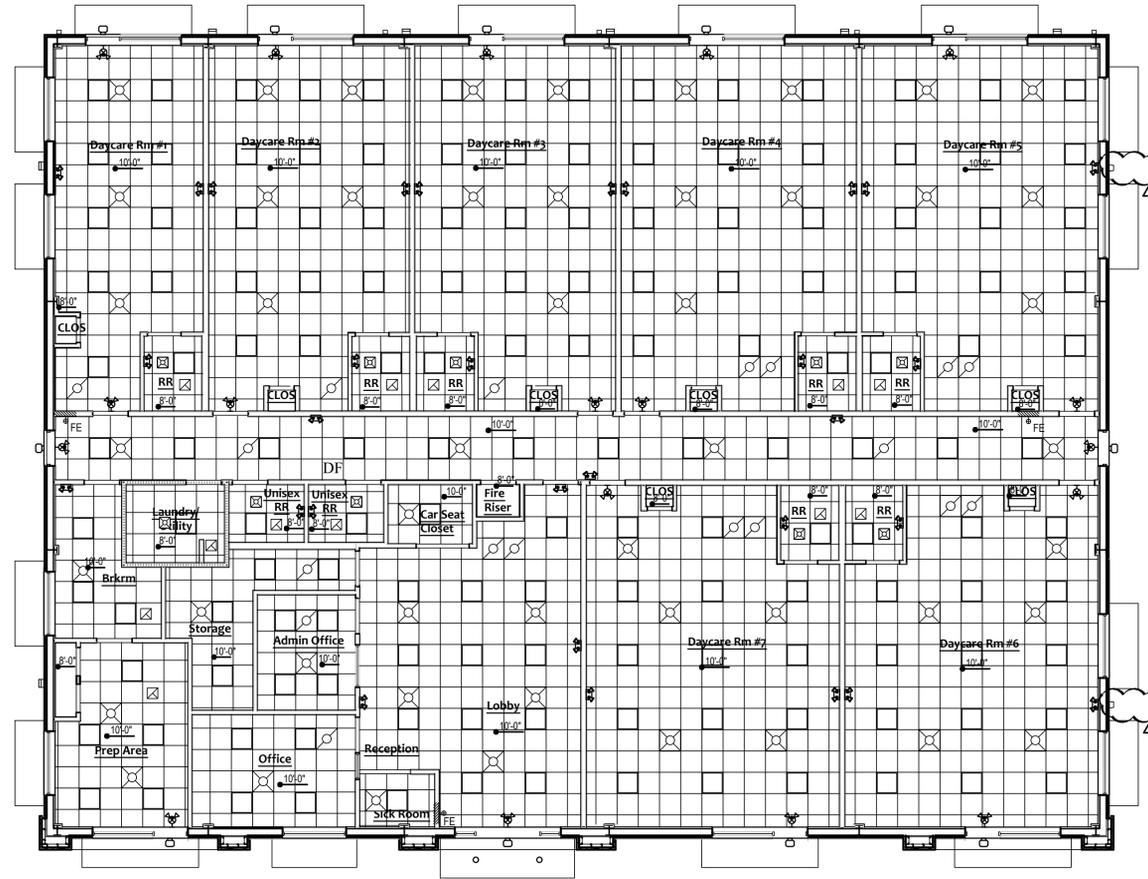
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RCP LEGEND

- EXIT SIGN W/ EMERGENCY LIGHT
- EXIT LIGHT
- WALL MTD EMERGENCY LED FIXTURE
- EXT. WALL MTD LED EMERGENCY LIGHT FIXTURE
- CANOPY MTD LED PUCK LIGHT
- SUPPLY A/C GRILL
- RETURN AIR A/C GRILL
- EXHAUST GRILL
- 2' X 2' CEILING LIGHT
- LED WALL PAK LIGHT
- GYP BOARD CEILING
- 2' x 2' SUSPENDED CEILING GRID



ROOM FINISH SCHEDULE

ROOM NAME	FLOOR	BASE	WALLS	CLGS	APPROX. CLG. HT.	REMARKS
LOBBY AREA	1	2	3	4	5	10'-0"
OFFICE AREA	1	2	3	4	5	10'-0"
RESTROOMS	1	2	3	4	5	8'-0"
CARSEAT CLOSET	1	2	3	4	5	10'-0"
CLASSROOM	1	2	3	4	5	10'-0"
FIRE RISER	1	2	3	4	5	8'-0"
BREAKROOM	1	2	3	4	5	10'-0"
PREP AREA	1	2	3	4	5	10'-0"
LAUNDRY	1	2	3	4	5	8'-0"
STORAGE	1	2	3	4	5	10'-0"
CORRIDOR	1	2	3	4	5	10'-0"

ROOM FINISH SCHEDULE NOTES:

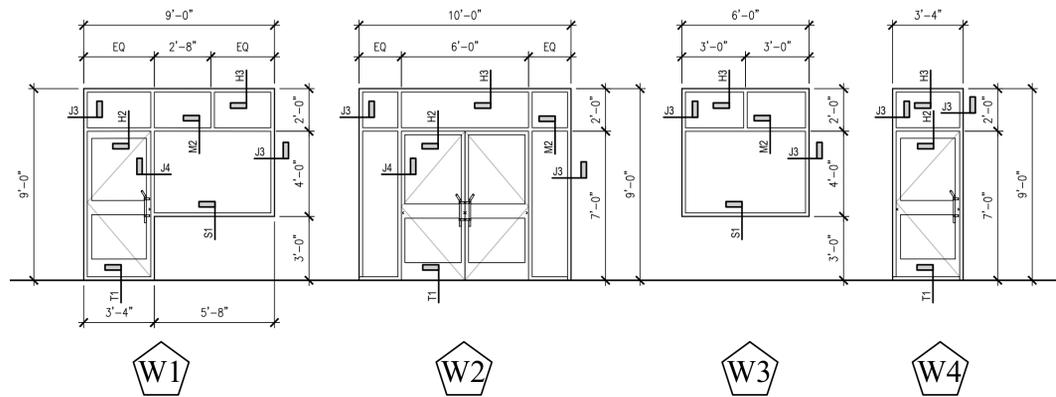
- VERIFY ALL FINISH SELECTIONS WITH OWNER & ARCHITECT PRIOR TO CONSTRUCTION.
- MATCH FINISHES FOR SURROUNDING AREAS FOR CORRIDORS AND COMMON AREAS UNLESS OTHERWISE SPECIFIED IN ABOVE ROOM FINISH SCHEDULE.
- THE TOILET AND BATHING ROOM FLOOR ARE TILE NONABSORBENT SURFACE, (CERAMIC TILE) ON TROWELED CONCRETE FINISH.
- THE WALLS EXTENDS 4" W/ GYPSUM BOARD MOISTURE PROTECCION OR 1/2" CEMENT BOARD.

2 FINISH ROOM SCHEDULE
Scale: NTS

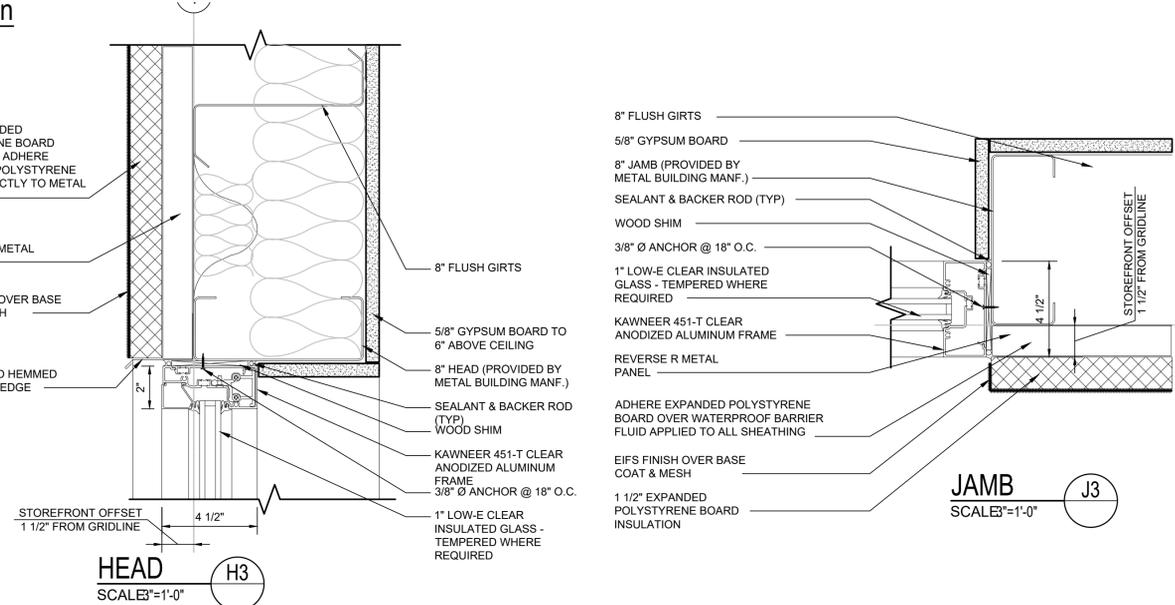
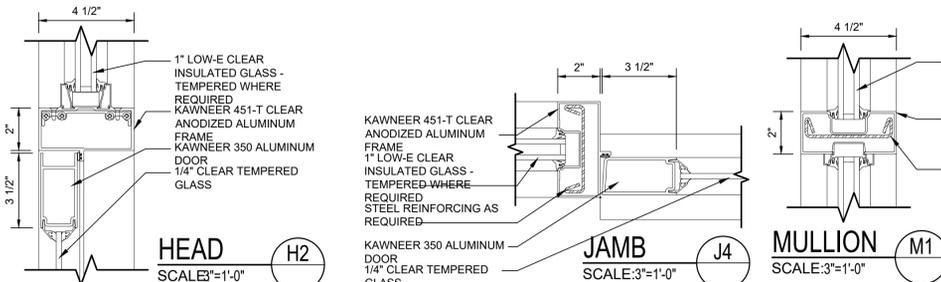
STOREFRONT SCHEDULE

MARK	QTY.	MANUFACTURER	FINISH	GLASS		
				TYPE	INTERIOR PANE	EXTERIOR PANE
A	1	KAWNEER 451T	CLEAR ANODIZED	1" INSULATED	1/4" CLEAR FLOAT	1/4" CLEAR FLOAT W/ LOW-E COATING

1 Reflected Ceiling Plan
Scale: 1/8"=1'-0"



3 WINDOW TYPES
Scale: 1/4" = 1' - 0"



JAMB
SCALE: 3/8"=1'-0"

4 WINDOW DETAILS
Scale: NTS

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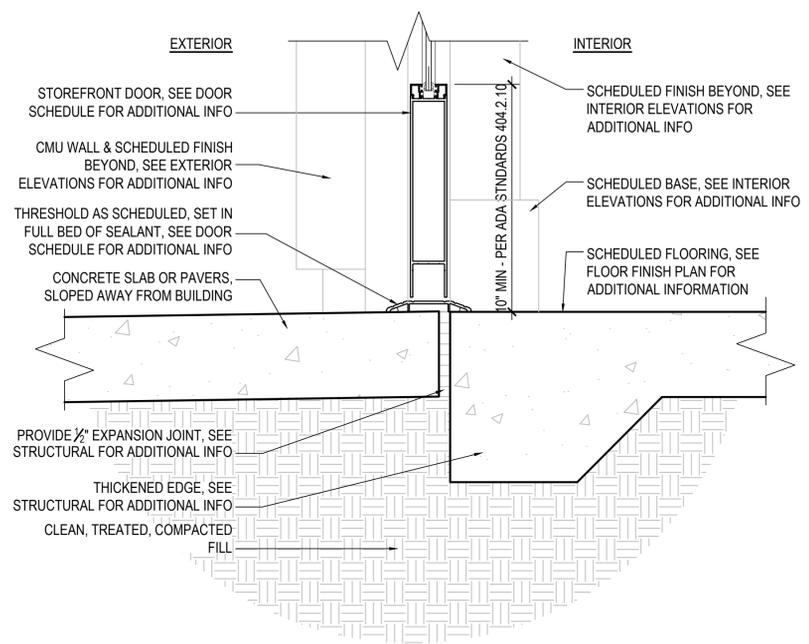
SHEET TITLE
REFLECTED CEILING PLAN & SCHEDULES

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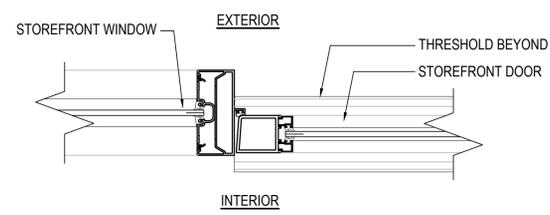
RELEASE DATE: 06-05-25
CO. COMMENTS: [Blank]

PROJECT NO.: 2024-040
ISSUE DATE: 2-24-25
DRAWN: [Blank] CHECKED: [Blank]
SHEET NO.: **A-1.1**

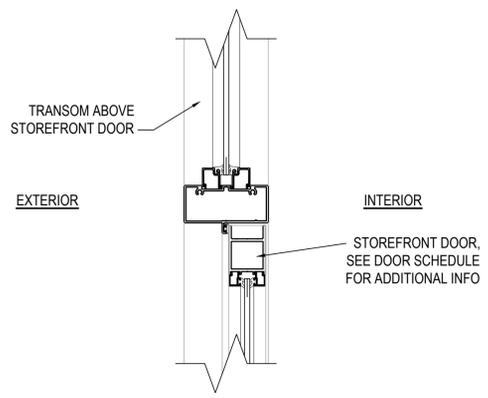
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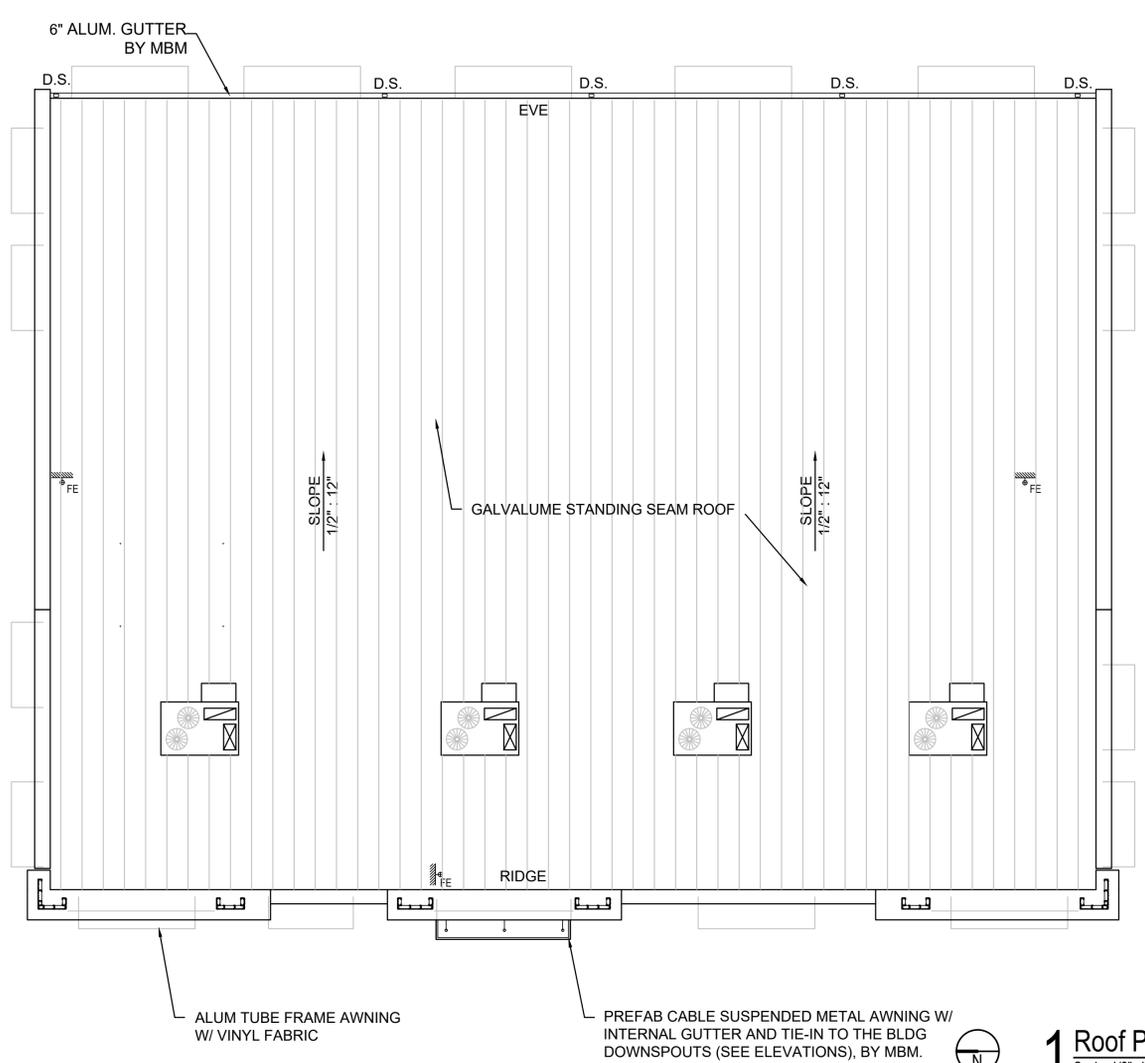
2 STOREFRONT DOOR TRESHOLD DETAIL
Scale: 3"=1'-0"



3 STOREFRONT DOOR JAMB DETAIL
Scale: 3"=1'-0"



4 STOREFRONT DOOR HEAD @ TRANSOM DETAIL
Scale: 3"=1'-0"



1 Roof Plan
Scale: 1/8"=1'-0"

DOOR SCHEDULE

DOOR #	SIZE	AREA	MATERIAL	RATED	FRAME
1	PR 3'-0" x 7'-0"	LOBBY	ALUM W/ GLASS AND PANIC HARDWARE		HW-06 ALUM
2	3'-0" X 7'-0"	CLASSROOMS	SC WOOD SWING DOOR		HW-02 HM
3	3'-0" X 7'-0"	CLASSROOMS	ALUM W/ GLASS AND PANIC HARDWARE		HW-05 ALUM
4	2'-10" X 7'-0"	CLASSROOM RESTROOMS	SC WOOD SWING DOOR		HW-01 HM
5	2'-0" X 7'-0"	CLOSET	SC WOOD SWING DOOR		HW-04 HM
6	3'-0" X 7'-0"	OFFICE/STOR	SC WOOD SWING DOOR		HW-02 HM
7	3'-0" X 7'-0"	PREP AREA	SC WOOD SWING DOOR		HW-03 HM
8	PR 2'-6" X 7'-0"	CAR SEAT CLOS	SC WOOD SWING DOOR		HW-08 HM
9	2'-8" X 7'-0"	PANTRY CLOS	SC WOOD SWING DOOR		HW-02 HM
10	3'-0" X 7'-0"	RESTROOMS	SC WOOD SWING DOOR		HW-01 HM
11	3'-0" X 7'-0"	LAUNDRY	SC WOOD SWING DOOR		HW-04 HM
12	3'-0" X 7'-0"	BREAKROOM	SC WOOD SWING DOOR		HW-04 HM
13	3'-0" X 7'-0"	FIRE RISER	SC WOOD SWING DOOR		HW-04 HM

NOTE: ALL DOORS USED TO ACCESS THE CHILDREN'S ROOMS AND ALL DOORS IN FIRE RATED WALL TO HAVE SELF CLOSING DEVICE.

HARDWARE NOTES

- HDW # 01**
 - 1 1/2 PAIR HINGES: STANDARD WEIGHT
 - 1 MECHANICAL PUSH BUTTON LOCKSET WITH LEVER HANDLE
 - 1 CLOSER
 - 3 SILENCERS
- HDW # 02**
 - 1 1/2 PAIR HINGES: STANDARD WEIGHT
 - 1 KEYPED LOCKSET WITH LEVER HANDLE
 - 1 CLOSER
 - 3 SILENCERS
- HDW # 03**
 - 1 1/2 PAIR HINGES: STANDARD WEIGHT
 - 1 KEYPED LOCKSET W/ LEVER HANDLE
 - 1 CLOSER
 - 3 SILENCERS
- HDW # 04**
 - 1 1/2 PAIR HINGES: STANDARD WEIGHT
 - LEVER HANDLE
 - FLOOR/WALL STOP
 - 3 SILENCERS
- HDW # 05**
 - 1 1/2 PAIR HINGES: STANDARD WEIGHT, NON- REMOVABLE PINS
 - 1 NON-ALARMED, NON-KEYED PANIC BAR DEVICE
 - 1 CLOSER
 - 1 ALUM THRESHOLD (1/2" MAX HEIGHT)
 - 1 SWEEP
 - 1 WEATHER STRIP
- HDW # 06**
 - HINGES PER STOREFRONT MANUFACTURER.
 - 1 ALUM THRESHOLD (1/2" MAX HEIGHT)
 - 1 PUSH PLATES & BAR PER DOOR
 - 1 PULL HANDLE PER DOOR
 - COMMERCIAL GRADE DEADLOCK W/ THUMB TURN WITH CONSTRUCTION CYLINDER
 - 2 FLUSH BOLTS (ON INACTIVE LEAF)
 - 1 CLOSER WITH STOP ARM PER DOOR
 - NOTE: ALL GLAZING SHALL BE CLEAR TEMPERED 1" INSULATED LOW "E" GLASS THAT MEETS LOCAL ENERGY CODES.
- HDW # 07**
 - NOT USED
- HDW # 08**
 - 3 PAIR HINGES: STANDARD WEIGHT
 - 2 LEVER HANDLE
 - 2 MAGNETIC CATCHES
 - FLOOR/WALL STOP
 - 6 SILENCERS

DOOR NOTES

- CONTRACTOR TO PROVIDE AND INSTALL DOOR SWEEP ON ALL EXTERIOR DOORS TO PREVENT WATER, WIND AND DEBRIS INFILTRATION.
- PROVIDE CLEAR ANODIZED ALUMINUM STOREFRONT SYSTEM WITH 4 1/2" x 2" CENTER SET PROFILE AND THERMALLY BROKEN FRAMES.
- CLOSER
- MOUNT KICKPLATE ON PUSH SIDE ONLY.
- ADA COMPLIANT ACCESSIBILITY SIGNAGE WHERE REQUIRED (OR AS REQUIRED BY LOCAL JURISDICTION)-(1) MEN; (1) WOMEN
- ALUMINUM DOORS, HARDWARE, HINGES, SWEEPS, PUSH / PULL PLATES (VERIFY WITH LOCAL CODE), SHALL BE PROVIDED BY STOREFRONT SYSTEM SUPPLIER / INSTALLER.
- BOTTOM RAIL OF STOREFRONT DOORS SHALL BY 10" HIGH / MINIMUM PER ADA.
- ADA COMPLIANT PANIC HARDWARE.

GENERAL NOTES:

- ALL DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED 36" AND SHALL BE "SINGLE-HANDED" OPERABLE WITHOUT USE OF KEY OR SPECIAL KNOWLEDGE.
- DOORS EQUIPPED WITH CLOSERS SHALL BE ADJUSTED SO THAT THE SWEEP PERIOD FROM AN OPEN POSITION OF 70 DEGREES WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED FROM THE LEADING EDGE OF THE DOOR.
- CONTROLS AND OPERATING MECHANISMS SHALL BE LEVER-TYPE, OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS OF INTERIOR DOORS SHALL BE NO GREATER THAN 5 POUNDS (22.2 N).
- MAXIMUM DOOR OPERATING PRESSURE : 5 LBS INTERIOR ; 8.5 LBS EXTERIOR.
- ALL WOOD DOORS SHALL RECEIVE (3) COATS OF CLEAR WOOD FINISH. FRAMES SHALL BE PAINTED.
- ALL HARDWARE SHALL BE US32D U.O.N.
- ALL HM FRAMES SHALL BE 16 GA STEEL U.O.N.
- KNOXBOX PER CITY STANDARD

CALCULATED ROOF AREA

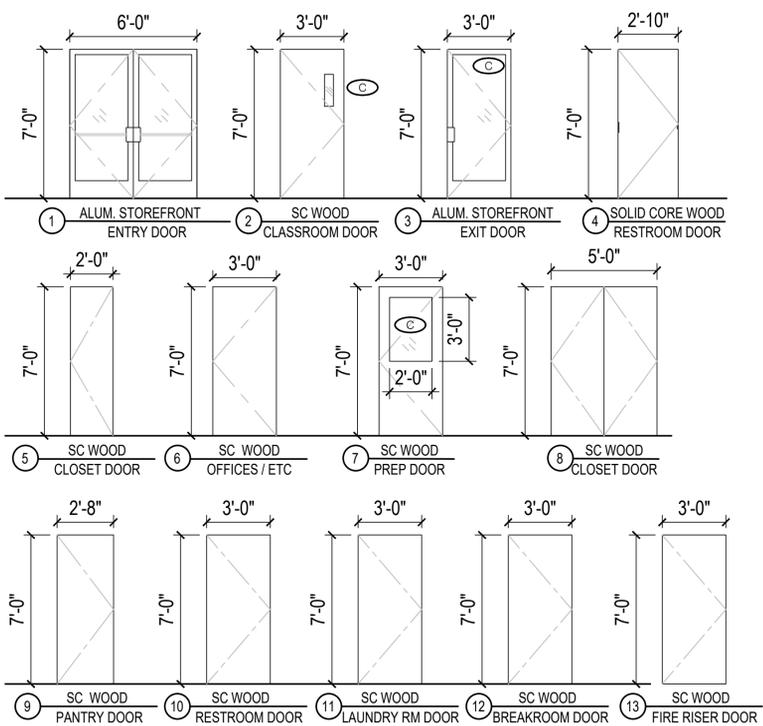
HORIZONTAL ROOF SURFACE	7500 S.F.
VERTICAL SURFACE 50% AREA	392 S.F.
TOTAL PROJECTED ROOF AREA	7892 S.F.

DRAINAGE CALCULATIONS:
(SIZE OF VERTICAL CONDUCTORS AND LEADERS)

100 YEAR, 1 HOUR RAIN FALL (IN PER HR) 4.25"
(PER FIGURE 1106.3, 2023 FBC-PLUMBING)
gpm = R x A x .0104
4.25"/HR x 7892 S.F. x .0104 = 348.8 gpm **REQUIRED 348.8 gpm**

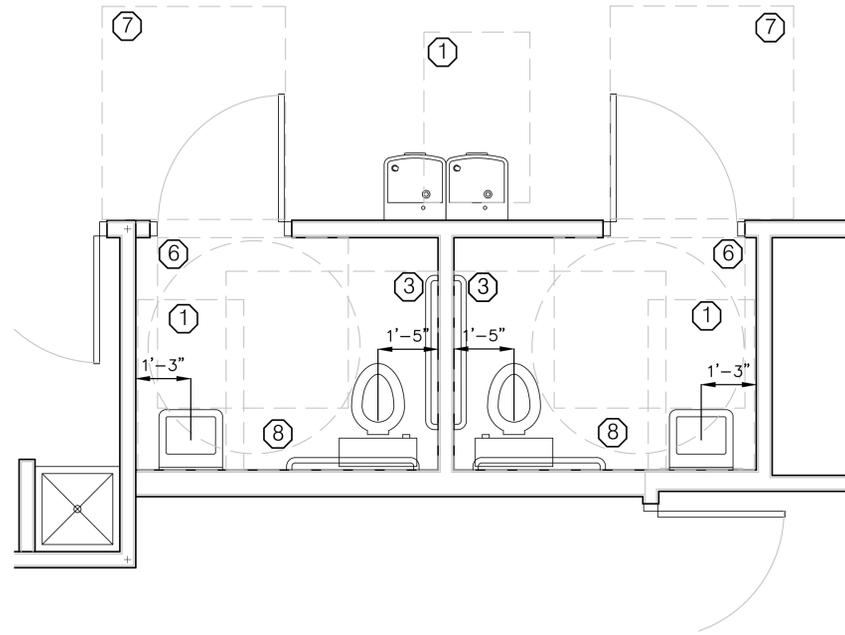
VERTICAL LEADER SIZE (RECTANGULAR)	4" X 5"
SPECIFIED LEADER CAPACITY (SINGLE)	360 gpm
(PER TABLE 1106.3, 2023 FBC-PLUMBING)	
5 LEADERS X 360 gpm = 1800 GPM > 360 GPM	
LEADER CAPACITY PROVIDED	1800 gpm

HORIZONTAL GUTTER SIZE (1" PER FT SLOPE) 4-1/2" x 6"
(PER TABLE 1106.6 2023 FBC-PLUMBING) 494 gpm > 360 gpm

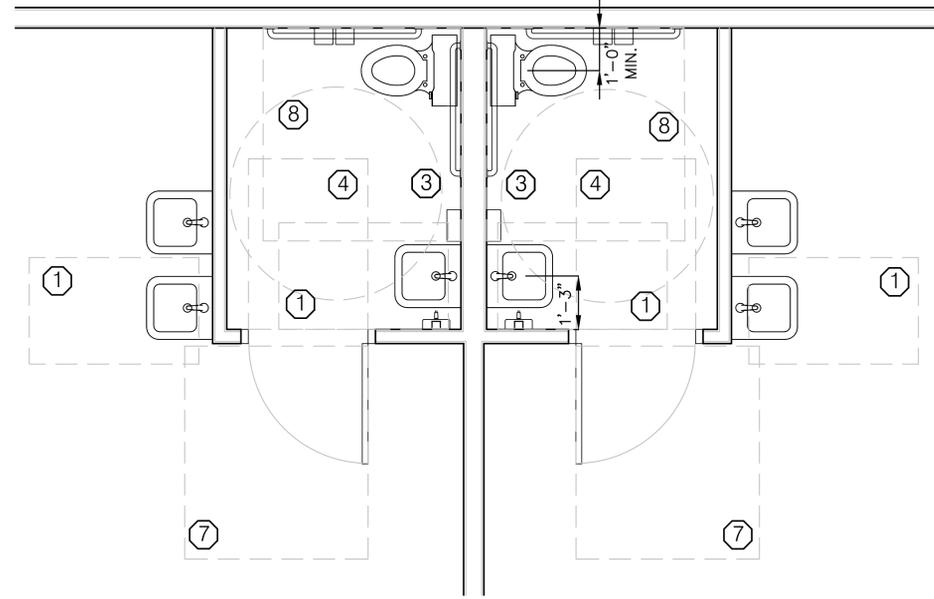


2 DOOR TYPES
Scale: 1/4"=1'-0"

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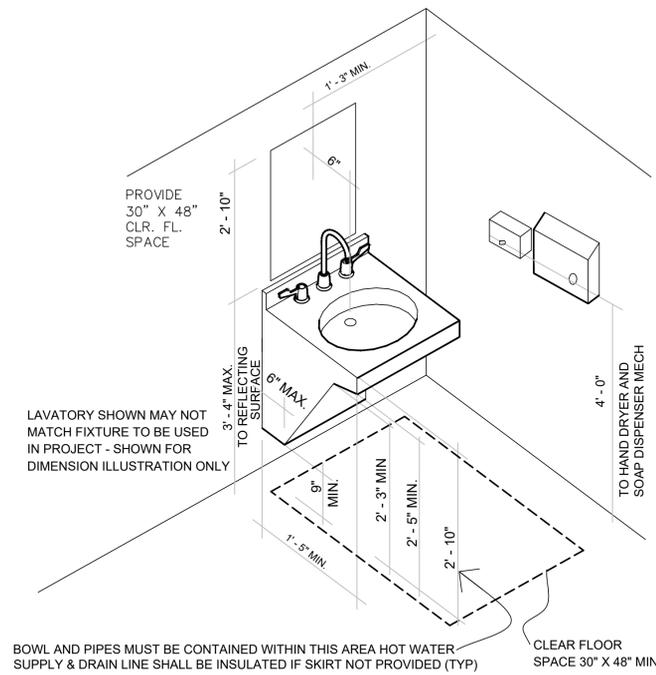


1 ENLARGED UNISEX RESTROOM PLAN
Scale: 1/2"=1'-0" ADULT ADA RESTROOM

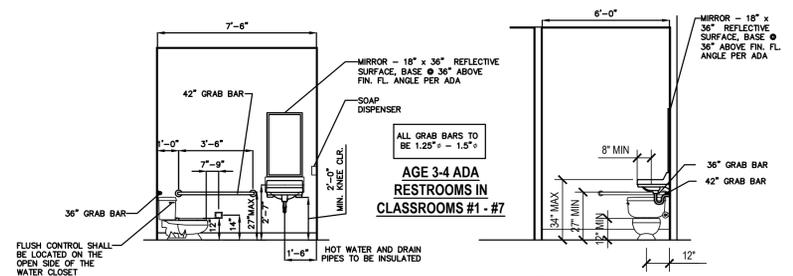


2 ENLARGED CHILDREN RESTROOMS PLAN
Scale: 3/4"=1'-0" AT CLASSROOMS #1-8

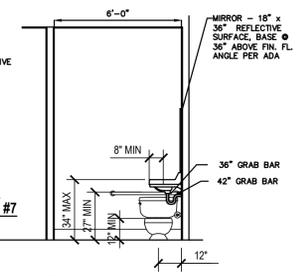
- TOILET ROOM ADA CLEAR FLOOR NOTES:**
- ① 30X48 CLEAR FLOOR AT LAV & W.F. & URINAL
 - ② 30X48 CLEAR FLOOR
 - ③ 60X56 CLEAR FLOOR AT TOILET
 - ④ 36X48 AT PUSH SIDE OF DOOR
 - ⑤ 42X56 AT PULL SIDE OF DOOR LATCH SIDE
 - ⑥ 48X56 AT PULL SIDE OF DOOR (WITH CLOSER)
 - ⑦ 54X60 AT PULL SIDE OF DOOR FRONT SIDE
 - ⑧ 60" DIA TURNING RADIUS



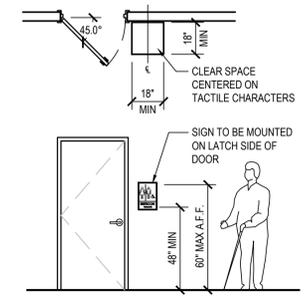
3 RESTROOM DETAILS
Scale: 1/2"=1'-0" ADULT ADA RESTROOM 101 & 103



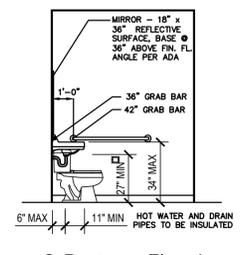
6 Restroom Elevations
Scale: 1/4"=1'-0"



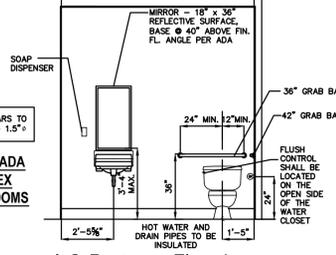
7 Restroom Elevations
Scale: 1/4"=1'-0"



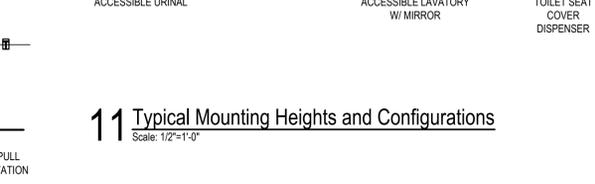
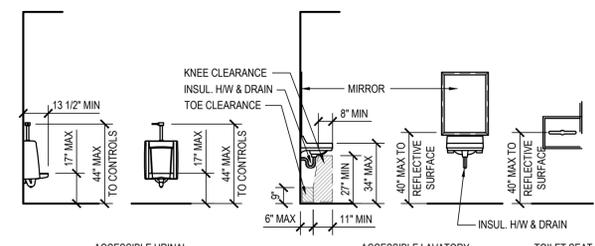
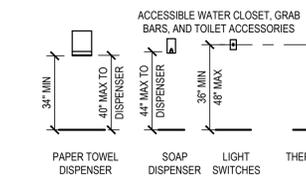
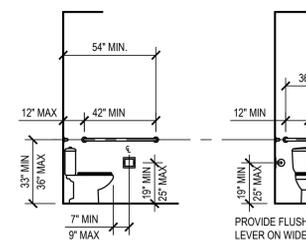
8 Accessible Restroom Signage
Scale: 1/4"=1'-0"



9 Restroom Elevations
Scale: 1/4"=1'-0"

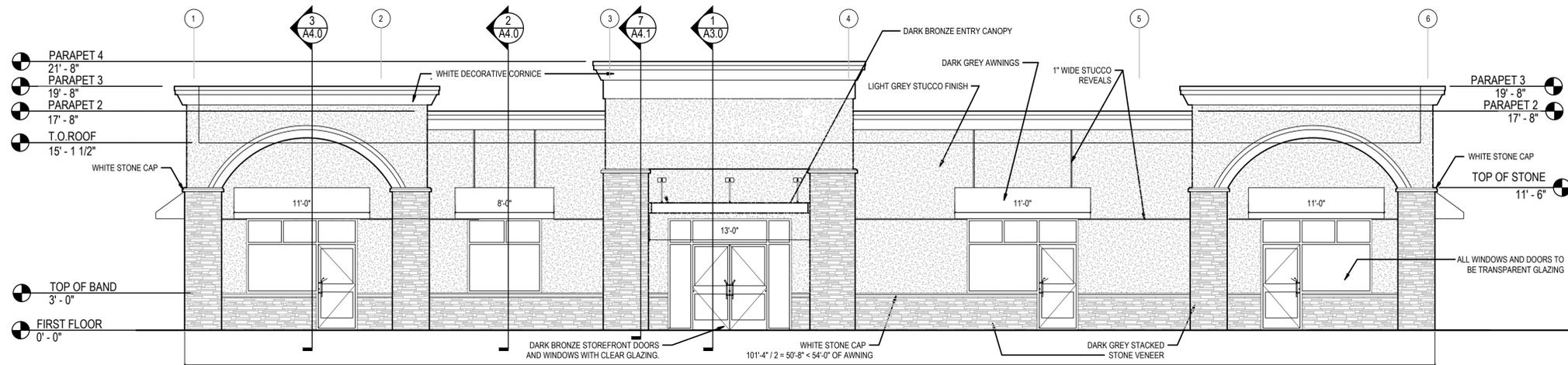


10 Restroom Elevations
Scale: 1/4"=1'-0"

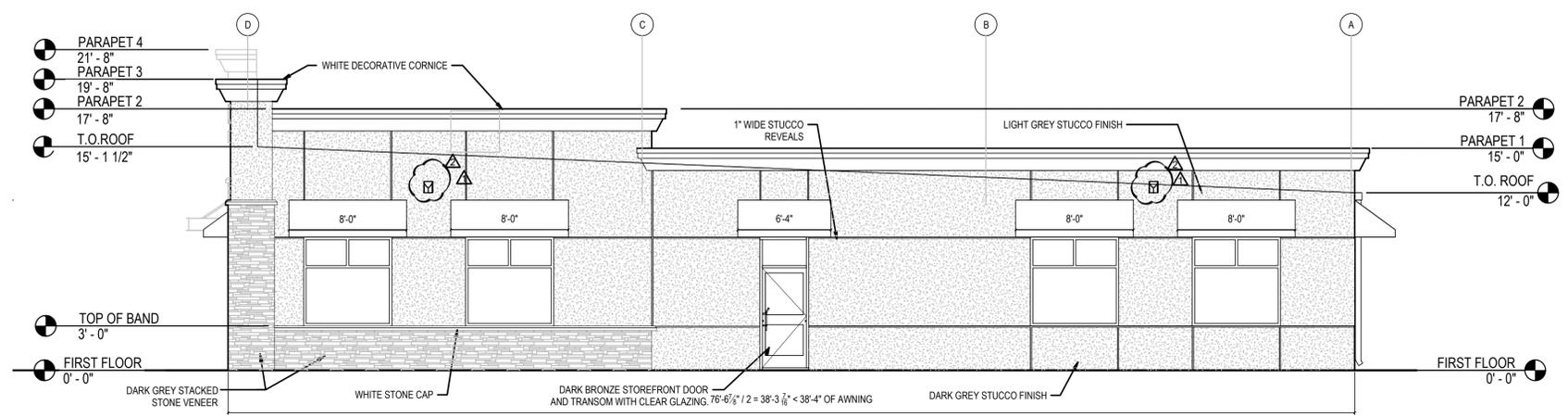


11 Typical Mounting Heights and Configurations
Scale: 1/2"=1'-0"

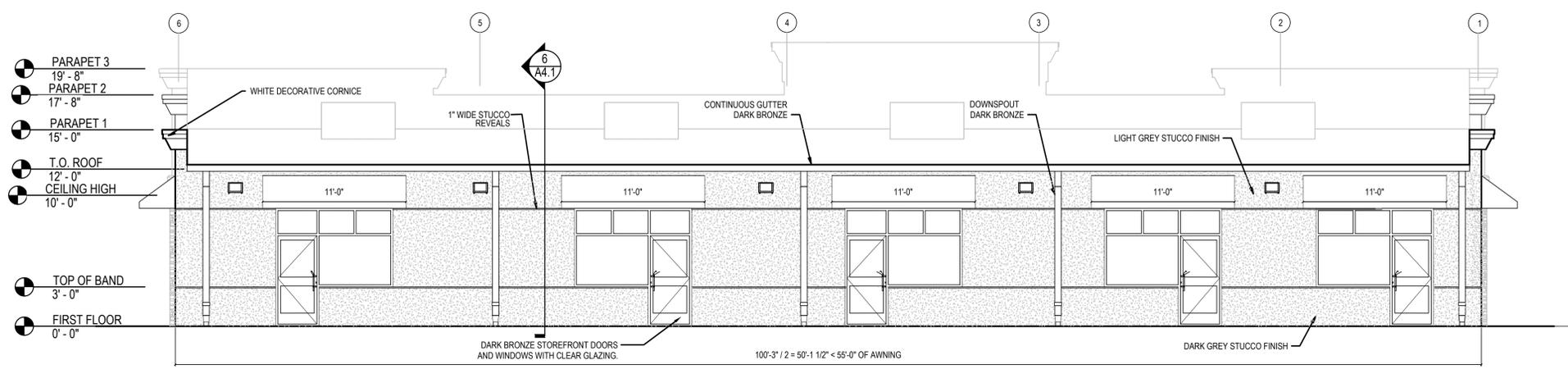
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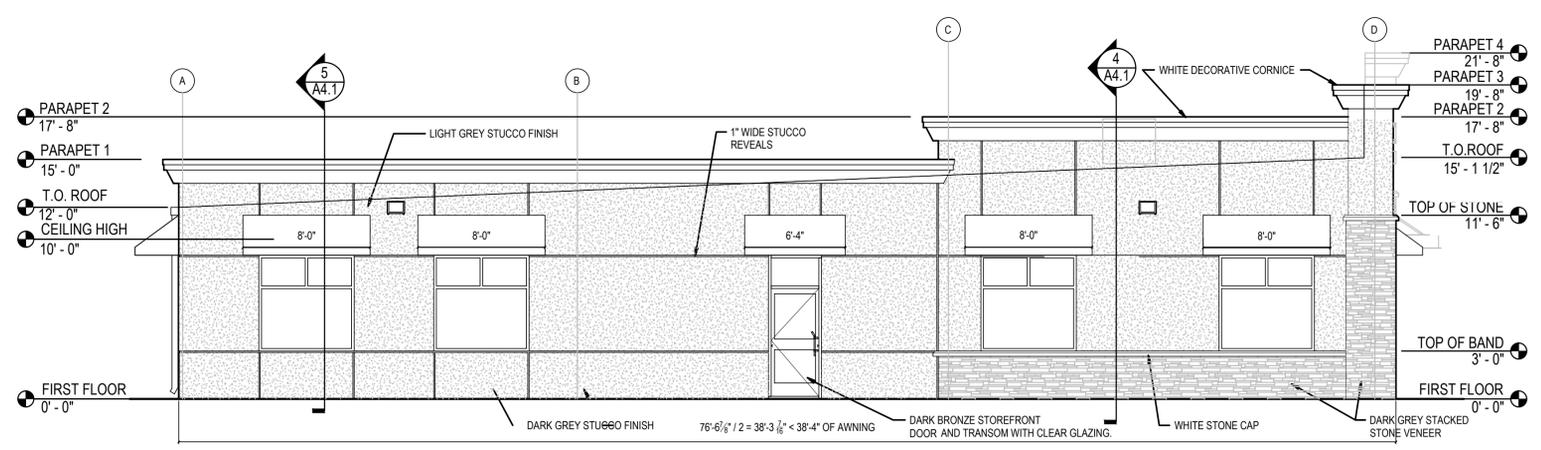
1 Front (West) Elevation
Scale: 3/16"=1'-0"



2 Right Side (South) Elevation
Scale: 3/16"=1'-0"



3 Rear (East) Elevation
Scale: 3/16"=1'-0"



4 Left Side (North) Elevation
Scale: 3/16"=1'-0"

ARCHITECT / ENGINEER
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CLIENT NAME
WMM REALTY, LLC
2880 N. MARCOSSSEE ROAD
ST CLOUD, FLORIDA 34171

PROJECT NAME
**BRIGHT SCHOLARS
EARLY LEARNING ACADEMY**
MOSS PRESERVE PARKWAY
ORLANDO, FLORIDA 32820

SHEET TITLE
EXTERIOR ELEVATIONS

HAROLD DANIEL HUTTER III
FL LIC: AR88913
This item has been digitally signed and sealed by Harold Daniel Hutter III on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

RELEASE	DATE
CO. COMMENTS	05-06-25
CO. COMMENTS	06-05-25

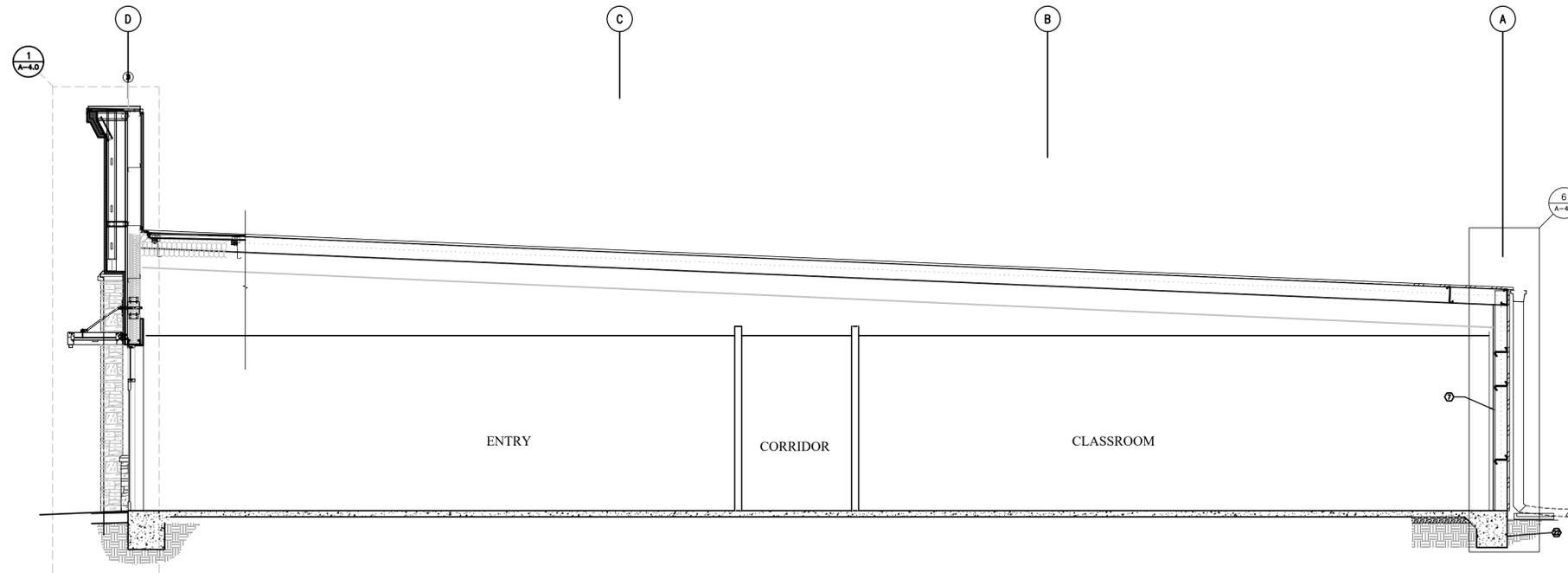
PROJECT NO.
2024-040

ISSUE DATE
2-24-25

DRAWN _____ CHECKED _____

SHEET NO.
A-2.0

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1 Building Section
Scale: 1/4"=1'-0"

Wind-Devil 2 Fastening System

The original and industry-leading, two-inch-diameter fastener, the Wind-Devil 2 system is by far the most popular and technologically advanced EIFS mechanical fastening system on the market. The patented "bullseye" closure arms create a thermal chamber to protect the EIFS lamina and allow easy, efficient backing out of any screw, whenever necessary, saving valuable time and money.

PRODUCT FEATURES

- ▶ The original and best EIFS fastener since 1985
- ▶ ASTM E330 rated for highest quality assurance
- ▶ Fastener and plate assemblies for wood, lite metal, steel and masonry
- ▶ Perfect for overhead application
- ▶ All weather application -20°F to +120°F; it works when you can't

WHY THE WIND-DEVIL 2 IS BEST!

- Comprehensive witness testing
- Over 20 years of proven performance
- EIFS manufacturers and industry approved
- Significant negative wind-load resistance
- Recessed thermal chamber prevents thermal bridging
- Patented closure arms allow for easy "backing" out
- Saves a day of labor. You can apply the base coat and mesh on the same day.

Installation of the Wind-Devil 2 fastener compresses the foam under the washer, forming a "gasket" around the fastener. This gasketing action diverts moisture from the fastener.

Wind-lock 1055 Leisz's Bridge Road • Leesport, PA 19533
610-926-6815 • 1-800-872-5625 • Fax: 1-800-854-6614
www.wind-lock.com

Wind-Devil 2 Fastening System

TYPICAL WIND-DEVIL 2 FASTENING PATTERNS

PATTERN A: Wood sheathing, masonry and some metal sidings.

PATTERN B: 16" o.c. stud fastening pattern.
Note: For pattern "B" stud fastening over non-screwable sheathing, fastener spacing does not exceed 16" o.c. variable not to exceed 11".

PATTERN C: Wood sheathing, masonry and some metal sidings.

WIND-DEVIL 2 ORDERING INFORMATION

Insulation Thickness	Wood/Lite Metal Series	Steel Series	Masonry Series
1"	WLMT-1	ST-1*	MT-1
1-1/2"	WLMT-2	ST-2*	MT-2
2"	WLMT-3	ST-3*	MT-3
2-1/2"	WLMT-4	ST-4*	MT-4
3"	WLMT-5	ST-5*	MT-5
3-1/2"	WLMT-6	ST-6*	
4"	WLMT-7	ST-7*	
4-1/2"	WLMT-7	ST-7*	
5"	WLMT-8	ST-8*	
5-1/2"	WLMT-8	ST-8*	

*Sizes are for direct application into steel and do not take into account the sheathing. For 1/2" and 5/8" sheathing, move fastener selection to next higher size.

WIND-DEVIL 2 APPLICATIONS

1. Wood and Lite Metal Series
2. Steel Series
3. Masonry Series
4. Masonry Expandable Series

Wind-lock Distributed by:

Tech Data

Wind-load test data (all measurements shown are ultimate pounds per foot*)

EPS thickness in inches	Pattern A	Pattern B	Pattern C
1"	107	88	85
1 1/2"	130	114	103
2"	144	129	124

Fastener pullouts

WLMT-SERIES	Dimensional lumber/Wood sheathings
Penetration	1/2" 3/4" 1" 1 1/4" 1 1/2"
Dimensional lumber Pullout strength	183 304 441 652 731
Penetration	1/2" 5/8" 3/4"
Wood sheathings Pullout strength	298 432 633

(Thru penetration 1/4" minimum)

WLMT-SERIES	Life Gauge Metal Siding
Nominal gauge	26 24 22 20
Lite Metal Pullout strength	178 244 277

* consult Wind-lock for pullout; (thru penetration 1/4" minimum)

ST-SERIES	Steel/Steel Studs
Nominal gauge	24 22 20 18 16 14 12
STEEL Pullout strength	211 296 471 679 847 1225

* consult Wind-lock for pullout; (thru penetration 1/4" minimum)

MT-SERIES	Masonry
Penetration	1" 1 1/4" 1 1/2" 1 3/4"
Concrete Pullout strength	380 580 830 1090
Hollow block Pullout strength	1229 1416 1521 1521

* denotes to solid material

MET-SERIES	Masonry Expandable
Concrete Pullout strength	378
Hollow block Pullout strength	333

General corrosion data

FINISH	Hours to initial signs of red rust (%)	Hours & red rust (%) at test conclusion
Phosphate & oil	24 (5% or less)	240 (90 - 100%)
.0003" electro zinc	48 (5% or less)	240 (75 - 100%)
.001" hot dip galvanized	98 (5% or less)	320 (75 - 100%)
Wind-lock CCS Coating	192 (5% or less)	720 (50 - 100%)

KESTERNICH (DIN50018 2.0L 502)

FINISH	24 hour cycles to initial signs or red rust (%)	24 Hours cycles & red rust (%) at test conclusion
Phosphate & oil	1 (70 - 80%)	2 (100%)
.0003" electro zinc	3 (5% or less)	10 (75 - 100%)
.001" hot dip galvanized	6 (5% or less)	12 (50 - 100%)
Wind-lock CCS Coating	12 (5% or less)	20-25 (90 - 100%)

Consult system manufacturer for specific requirements

Typical Wind-Devil and Wind-Devil 2 fastening patterns

NOTE: For pattern "B" stud fastening over non-screwable sheathing, fastener spacing does not exceed 16" O.C. Variable not to exceed 11".

2 EIFS ATTACHMENT DETAILS
Scale: NTS

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CLIENT NAME: **WMM REALTY, LLC**
2880 N. MARCOSSSEE ROAD
ST CLOUD, FLORIDA 34771

PROJECT NAME: **BRIGHT SCHOLARS EARLY LEARNING ACADEMY**
MOSS PRESERVE PARKWAY
ORLANDO, FLORIDA 32820

SHEET TITLE: **BUILDING SECTION & EIFS ATTACHMENT DETAILS**

ARCHITECT/ENGINEER: **LIS ARCHITECTURE ENGINEERING**
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SEAL: **HAROLD DANIEL HUTTER III**
FL LIC: AR89913
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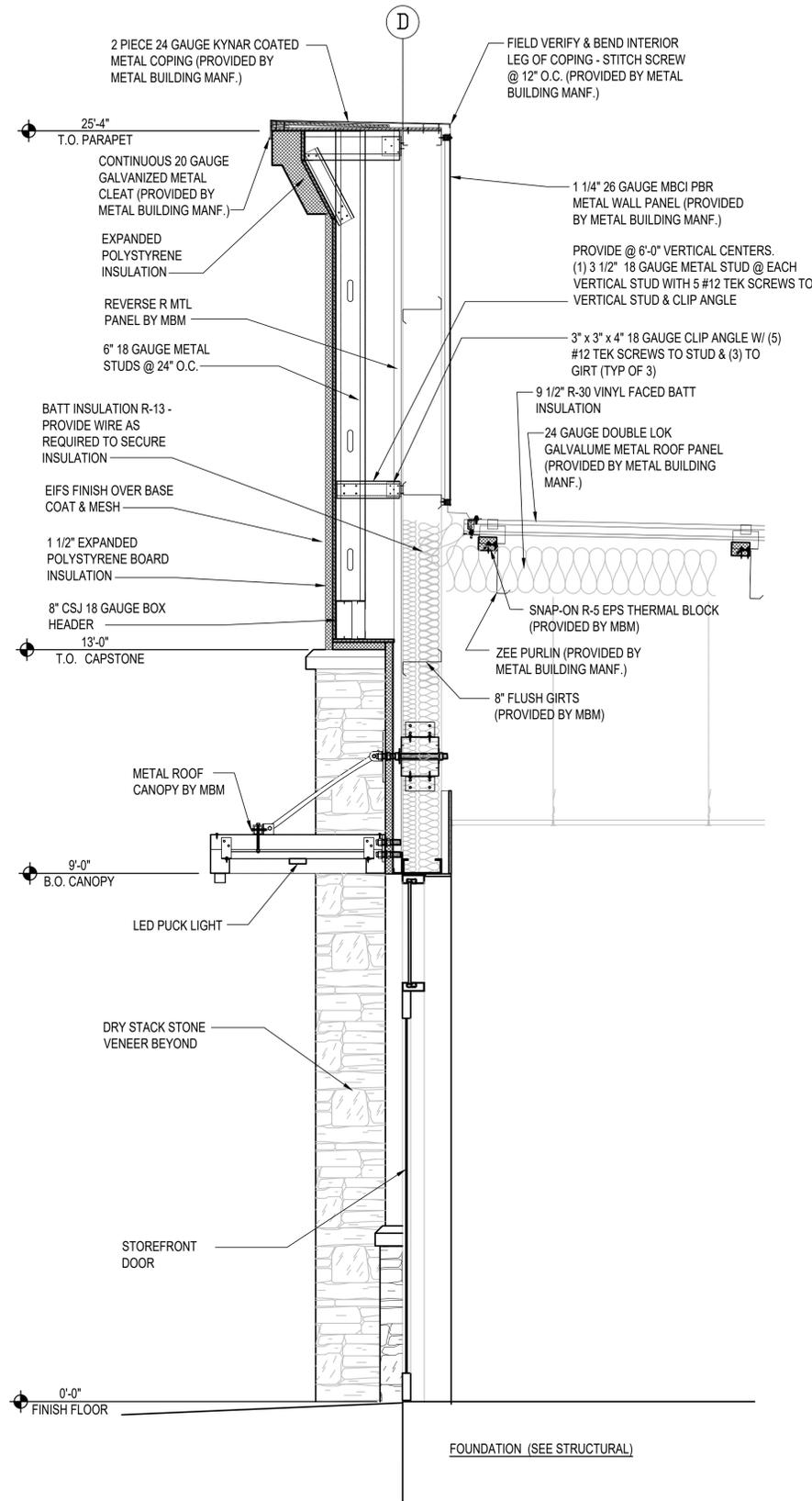
RELEASE: _____ DATE: _____

PROJECT NO: **2024-040**

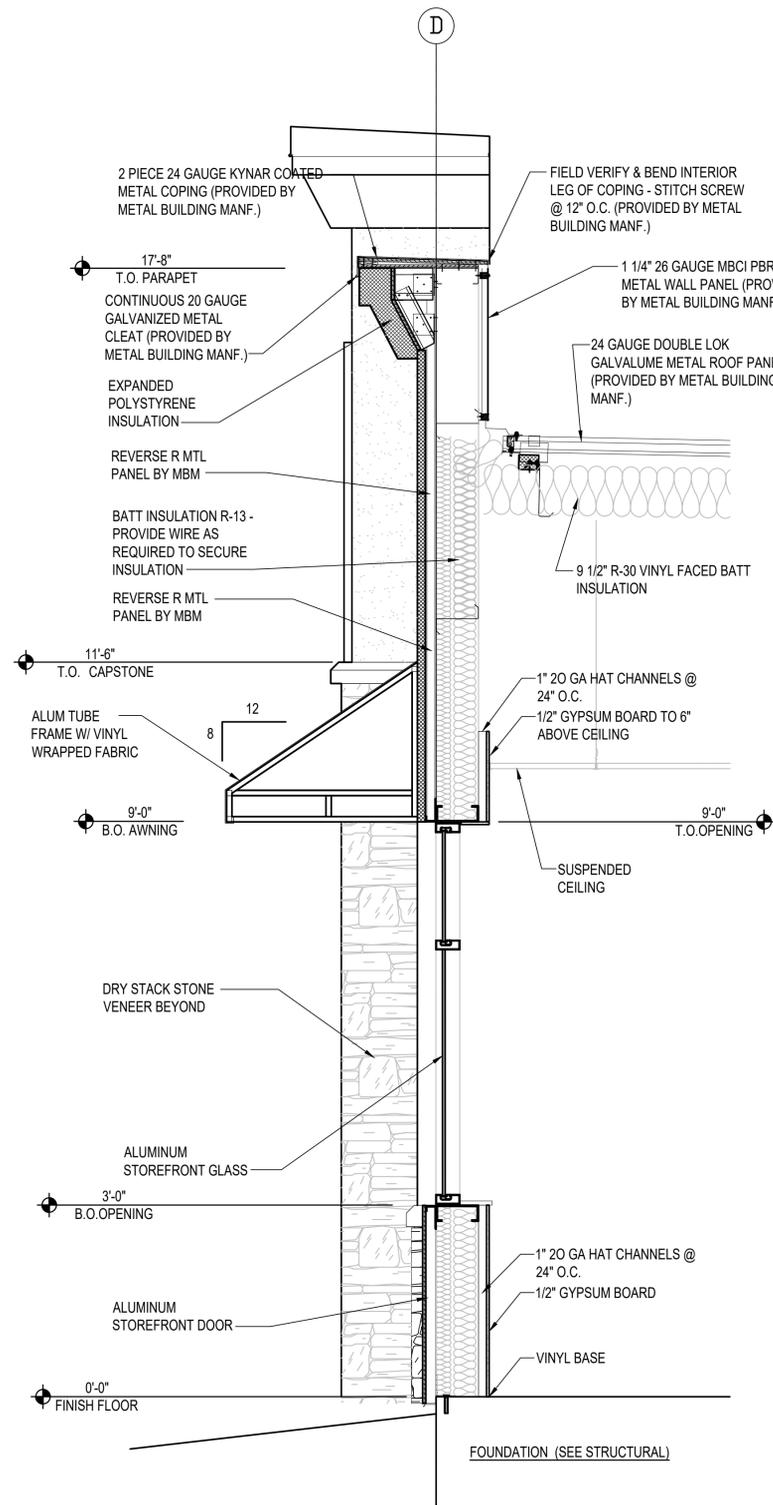
ISSUE DATE: **2-24-25**

DRAWN: _____ CHECKED: _____

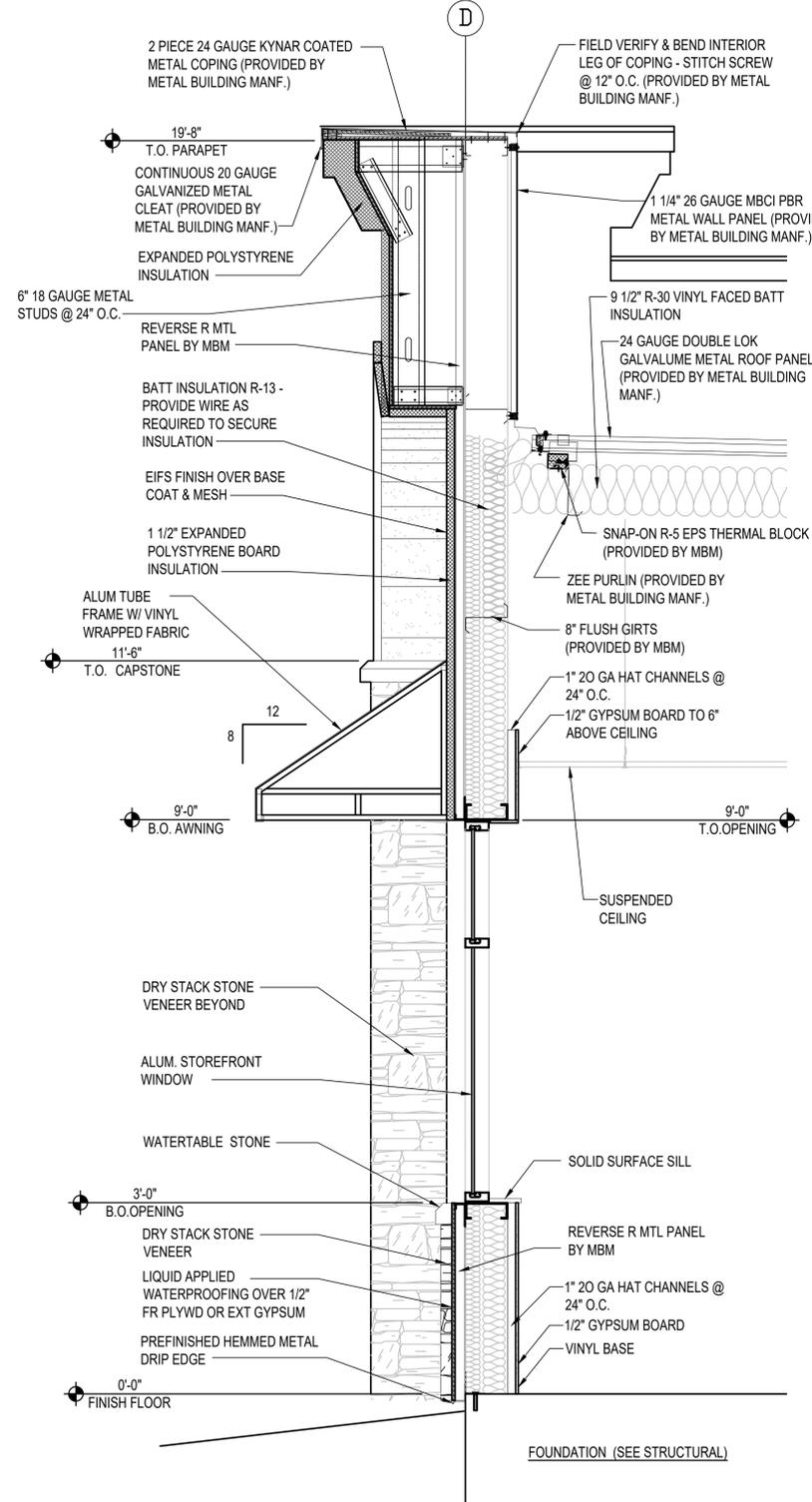
SHEET NO: **A-3.0**



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



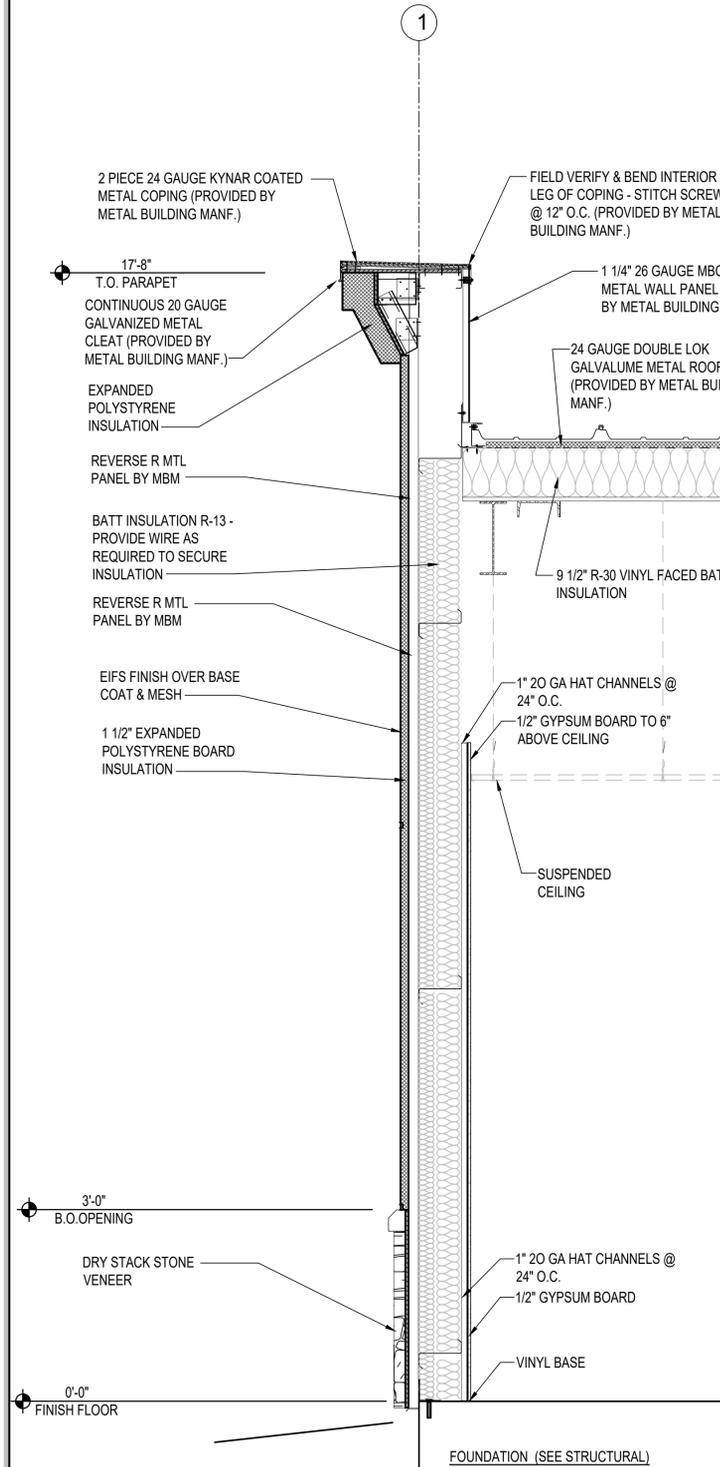
2 WALL SECTION
SCALE: 3/4"=1'-0"



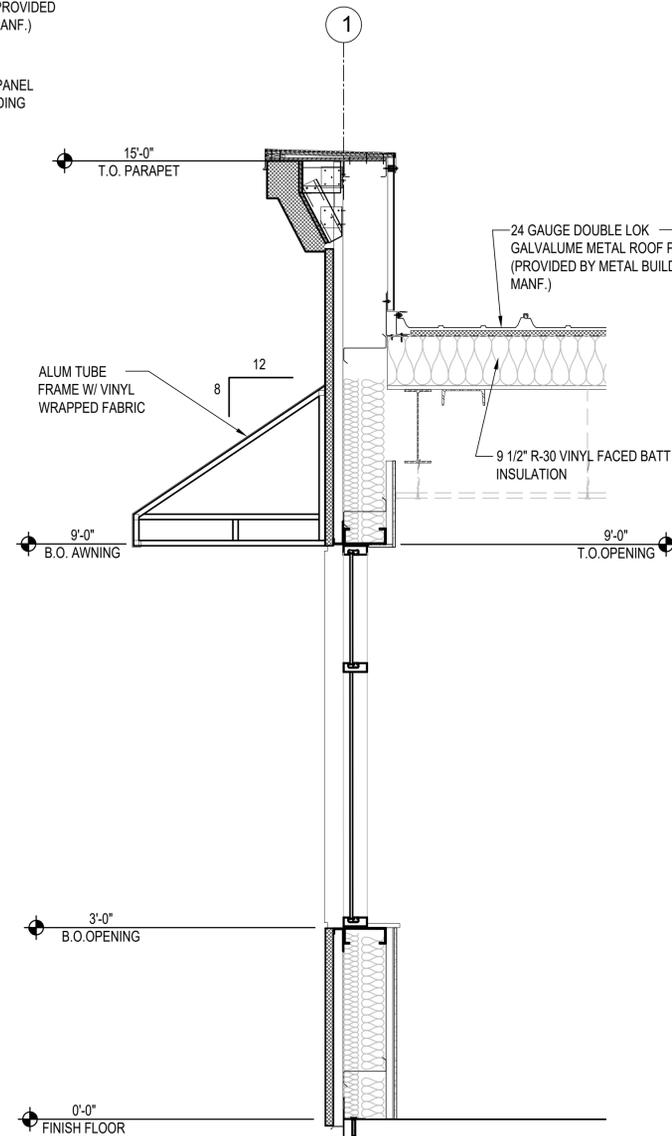
3 WALL SECTION
SCALE: 3/4"=1'-0"

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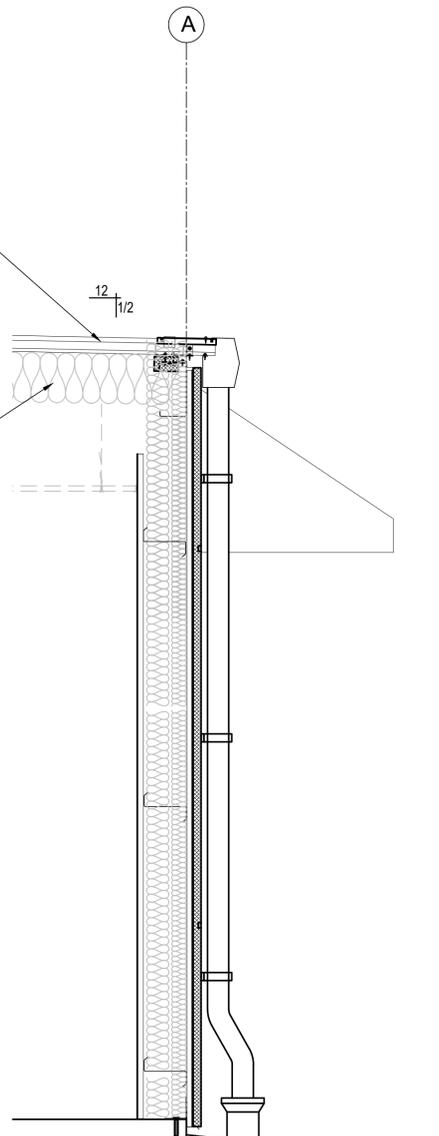
SIDEWALK TO BUILDING NOTE:
WHERE SIDEWALKS ABUT THE
BUILDING, PROVIDE A 1/4" ASPHALTIC
EXPANSION JOINT WITH BACKERROD
& GRAY SEALANT.



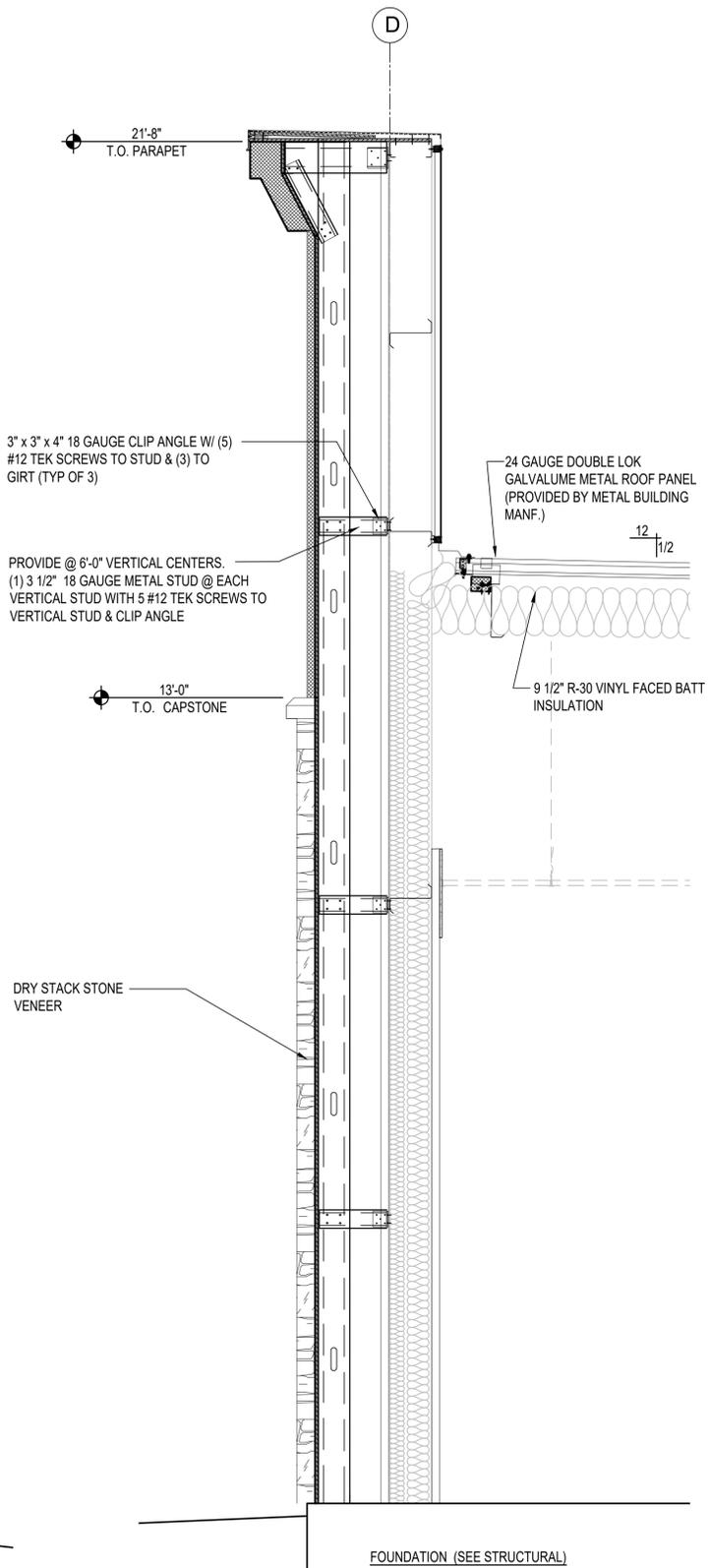
4 WALL SECTION
SCALE: 3/4"=1'-0"



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

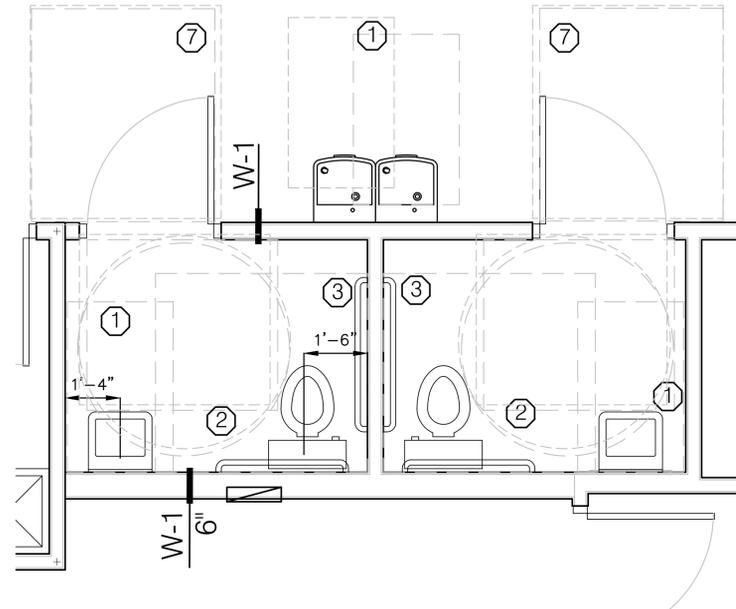


6 WALL SECTION
SCALE: 3/4"=1'-0"

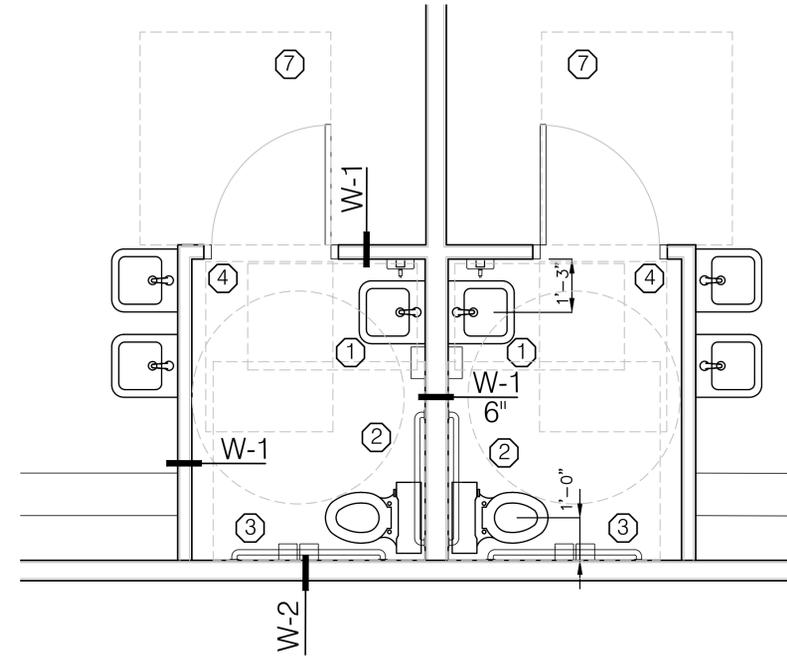


7 WALL SECTION
SCALE: 3/4"=1'-0"

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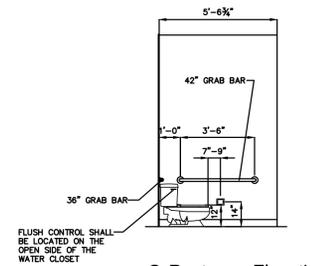


1 ENLARGED RESTROOM PLAN
Scale: 1/2"=1'-0" ADULT ADA RESTROOM

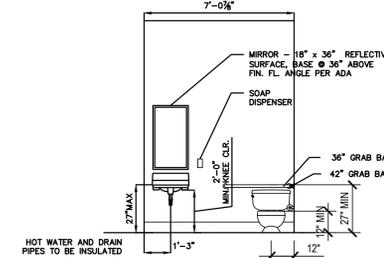


2 ENLARGED RESTROOM PLAN
Scale: 1/2"=1'-0" CLASSROOM RESTROOMS

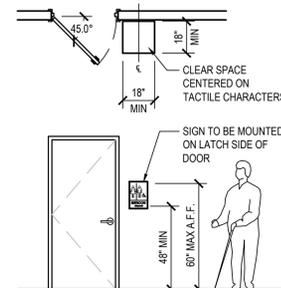
- TOILET ROOM ADA CLEAR FLOOR NOTES:**
- ① 30x48 CLEAR FLOOR AT LAV & W.F. & URINAL
 - ② 60" DIA CLEAR FLOOR
 - ③ 60x56 CLEAR FLOOR AT TOILET
 - ④ 36x48 AT PUSH SIDE OF DOOR
 - ⑤ 42x56 AT PULL SIDE OF DOOR LATCH SIDE
 - ⑥ 48x56 AT PULL SIDE OF DOOR (WITH CLOSER)
 - ⑦ 54x60 AT PULL SIDE OF DOOR FRONT SIDE
- NOTE:
HAND DRYER IS ALLOWED TO ENCR OACH
MAX. 4" INTO CLEAR FLOOR AREA AT
LAVATORY.



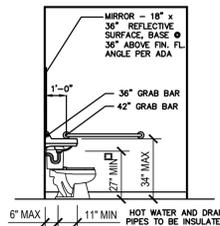
8 Restroom Elevations
Scale: 1/4"=1'-0"



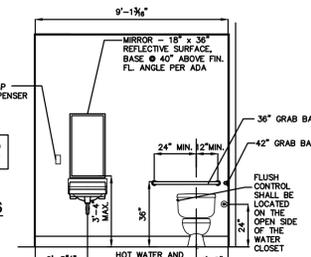
9 Restroom Elevations
Scale: 1/4"=1'-0"



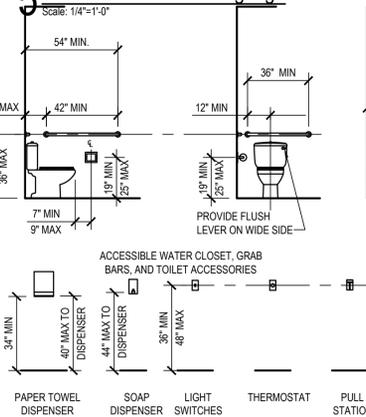
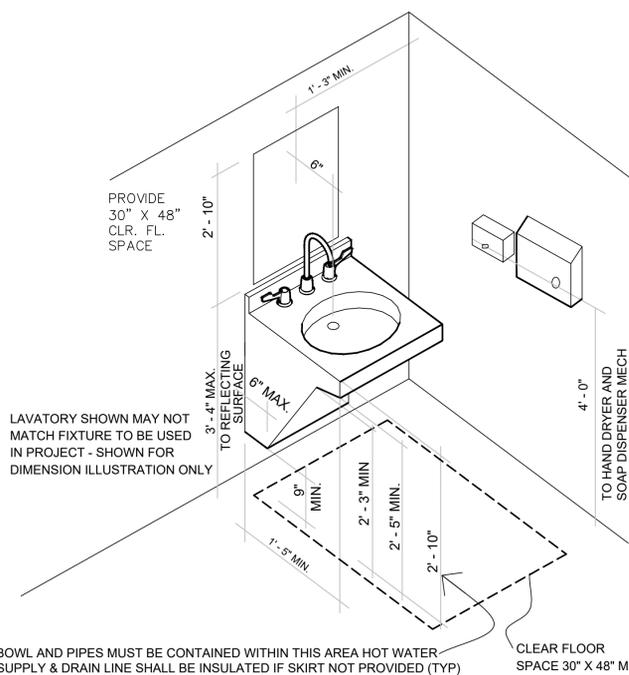
5 Accessible Restroom Signage
Scale: 1/4"=1'-0"



10 Restroom Elevations
Scale: 1/4"=1'-0"



11 Restroom Elevations
Scale: 1/4"=1'-0"



12 Typical Mounting Heights and Configurations
Scale: 1/2"=1'-0"

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CLIENT NAME
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2860 N. MARCOSSSEE ROAD
ST CLOUD, FLORIDA 34171

PROJECT NAME
**BRIGHT SCHOLARS
EARLY LEARNING ACADEMY**
MOSS PRESERVE PARKWAY
ORLANDO, FLORIDA 32820

SHEET TITLE
ENLARGED RESTROOM, KITCHEN PLANS & ADA DETAILS

SEAL
HAROLD DANIEL HUTTER III
FL LIC: AR88913
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RELEASE	DATE
PROJECT NO.	2024-040
ISSUE DATE	2-24-25
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SHEET NO.	A-5.0

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Design No. U404 BXUV.U404 Fire-resistance Ratings - ANSI/UL 263

Page Bottom

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Listed or Classified products, equipment, system, devices, and materials.
Authorities Having Jurisdiction should be consulted before construction.
Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the specific General Information for each product category and each group of assemblies. The Guide Information includes general information, alternate materials and alternate methods of construction.
Only products which bear UL's Mark are considered as Classified, Listed, or Recognized.

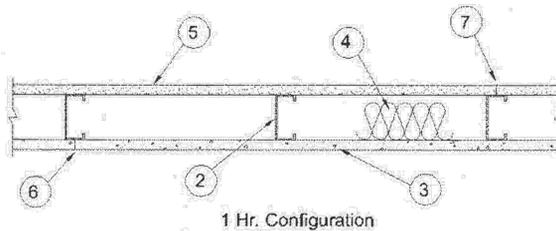
Fire-resistance Ratings - ANSI/UL 263

See General Information for Fire-resistance Ratings - ANSI/UL 263

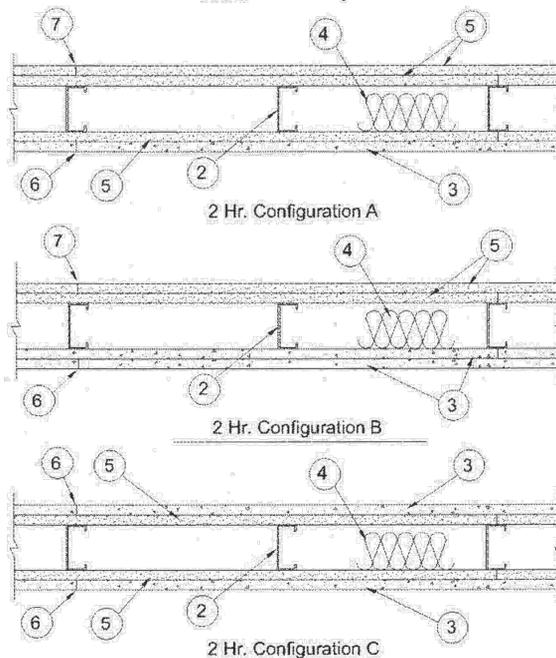
Design No. U404

March 18, 2013

Nonbearing Wall Rating - 1 and 2 Hr (See Items 3 and 5)



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- 1. Steel Floor and Ceiling Runners - (Not Shown) - Channel shaped, 3-1/2 in. wide by 1-1/4 in. deep, fabricated from min 20 MSG (0.0329 in. min bare metal thickness) galvanized steel. Attached to floor and ceiling with steel fasteners spaced 24 in. OC max.
2. Steel Studs - Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min width, min 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.
3. Cementitious Backer Units - 1/2 in. or 5/8 in. thick, applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with corrosion resistant, chamfered, ribbed wafer head screws with a minimum head diameter of .400 inch. For nonbearing systems, fastened to studs and bottom runners with the uppermost screws placed 1/2 in. to 2 in. below the bottom edge of the leg of the top runner. Horizontal joints need not be backed by framing. 1-Hr System - Screws shall be min 1-1/4 in. long and spaced a max of 8 in. OC. All vertical joints staggered one stud cavity from gypsum board vertical joints on the opposite side of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. 2-Hr System - For the base layer in Configuration B, the screws shall be min 1-1/4 in. long and spaced a max of 12 in. OC. For the face layers, screws shall be 1-5/8 in. long and spaced a max of 8 in. OC. All face layer joints offset min 12 in. from underlying base layer joints. Joints in either layer need not be staggered from joints on the opposite side of the wall.

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UNITED STATES GYPSUM CO - Type DCB

4. Batts and Blankets* - Min 3 in. thick mineral wool insulation batts, friction-fitted between studs ; IIG MINWOOL LLC - Type SAFB

THERMAFIBER INC - Type SAFB.

5. Gypsum Board* - 5/8 in. thick, with square or tapered edges, applied vertically or horizontally with vertical joints centered over studs. Horizontal joints need not be backed by framing. Fastened with Type S-12 screws, 1-Hr System - For vertical application, fastened to studs and runners with 1 in. long screws spaced max 8 in. OC at vertical edges and spaced max 12 in. OC in the field. For horizontal application, fastened to studs and runners with 1 in. long screws spaced max 8 in. OC. Vertical joints staggered one stud cavity from cement board vertical joints on opposite side of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. 2-Hr System - Base layer with an overlying gypsum board face layer, fastened with 1 in. long screws spaced max 16 in. OC to studs and runners. Base layer with an overlying cement board face layer, fastened with 1 in. long screws spaced max 12 in. OC to studs and runners. Face layers fastened with 1-5/8 in. long screws spaced max 16 in. OC to studs and runners with screws offset 8 in. from face layer screws. Face layer joints offset min 12 in. from base layer joints. Joints in either layer need not be staggered from joints on the opposite side of the wall. When used in widths other than 48 in., gypsum panels to be installed horizontally.

CGC INC - Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, SGX, ULX, WRC or WRX.

UNITED STATES GYPSUM CO - Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, WRC, WRX, USGX (Joint tape and compound, Items 6 and 7, optional for use with Type USGX).

USG MEXICO S A DE CV - Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, WRC, WRX.

5A. Gypsum Board* - (As an alternate to Item 5 may be used as the base layer on one or both sides of wall, for direct attachment only). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

RAY-BAR ENGINEERING CORP - Type RB-LBG

5B. Gypsum Board* - (As an alternate to Item 5 may be used as the base layer on one or both sides of wall, for direct attachment only). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or #6 by 1-1/4 in. long bugle head fine drill) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

NEW ENGLAND LEAD BURNING CO INC, DBA NELCO - Nelco

5C. Gypsum Board* - (As an alternate to Item 5) For Direct Application to Studs Only- For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in OC in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grades "A, B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.

MAYCO INDUSTRIES INC - Type X-Ray Shielded Gypsum

5D. Gypsum Board* - ((As an alternate to Items 5 may be used as the base layer on one or both sides of wall, for direct attachment only). For Direct Application to Studs Only- Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted

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or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel.

RADIATION PROTECTION PRODUCTS INC - Type RPP - Lead Lined Drywall

6. Joints - Covered with glass fiber mesh tape and latex modified Portland cement mortar or basecoat, or Type I organic adhesive.

7. Joints - When tapered edge gypsum board is used, face layer joints covered with joint compound and paper tape. As an alternate, gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with joints reinforced. When square-edge gypsum board is used, treatment of joints is optional.

8. Vapor Retarder, Water Barrier or Weather Resistant Barrier - (Optional - Not shown) - As required.

9. Lead Batten Strips - (Not Shown, For use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5A) and optional at remaining stud locations. Required behind vertical joints.

9A. Lead Batten Strips - (Not Shown, for use with Item 5C) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grades "A, B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5) and optional at remaining stud locations.

10. Lead Discs or Tabs - (Not Shown, For use With Item 5A) - Used in lieu of or in addition to the lead batten strips (Item 9) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5A) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

10A. Lead Discs - (Not Shown, for use with Item 5C) Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.9% meeting the Federal Specification QQ-L-201f, Grades "A, B, C or D".

11. Lead Batten Strips - (Not Shown, For Use With Item 5B) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations.

12. Lead Tabs - (Not Shown, For Use With Item 5B) 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw that secures the gypsum boards, Item 5B) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

*Bearing the UL Classification Mark

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