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REUNION SELF-STORAGE

DAVENPORT

OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

NORTH ELEVATION

PROJECT TEAM

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3702 W. AZEELE STREET
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EMAIL: souheil.chehayeb@chehayeb.com

MP/FIRE PROTECTION
STEPANEK-LEWIS AND ASSOCIATES, INC.
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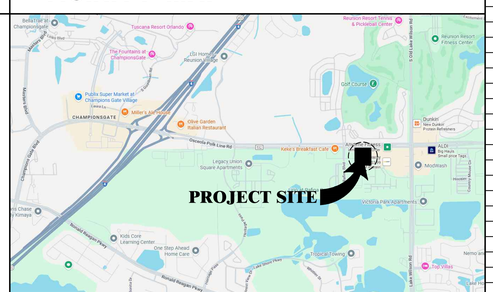
EMAIL: matt@stepaneklewis.com

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN A FIRST CLASS, WORKMANLIKE MANNER ACCORDING TO BEST TRADE PRACTICES. MATERIALS AND EQUIPMENT SHALL BE NEW, AND ALL CONSTRUCTION SHALL BE IN GOOD AND USABLE CONDITION AT THE DATE OF COMPLETION AND/OR OPENING OF THE DEMISED PREMISES FOR BUSINESS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL AUTHORITIES OR AGENCIES HAVING JURISDICTION AND IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS OF THE SITE. **DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING W/ CONSTRUCTION.**
4. TEMPORARY ELECTRIC POWER AND LIGHTING WILL BE PROVIDED AS REQUIRED. THE TEMPORARY SERVICE MUST MEET ALL APPLICABLE CODE AND SAFETY REQUIREMENTS.
5. THE GENERAL CONTRACTOR SHALL PROPERLY PROTECT THE WORK FOR PUBLIC SAFETY AND AGAINST ACCIDENTS, WEATHER OR ANY OTHER HAZARD WITH LIGHTS AND GUARD RAILS OR BARRICADES AS APPLICABLE.
6. ALL EXITS SHALL BE MAINTAINED AND SHALL BE OPERABLE FROM THE INSIDE WITHOUT SPECIAL KNOWLEDGE OR EFFORT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LOCATION AND SIZE OF OPENINGS FOR ALL TRADES AND SHALL COORDINATE ALL CONSTRUCTION AS INDICATED BY THE CONSTRUCTION DOCUMENTS, INCLUDING SHOP DRAWINGS REVIEWED BY THE ARCHITECT.
8. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY AND REQUIRED PERMITS, FEES, DEPOSITS, ETC.
9. FIRE EXTINGUISHERS ARE REQUIRED DURING CONSTRUCTION. THE CONTRACTOR SHALL MAKE ALL PERSONNEL AWARE OF ITS LOCATION.
10. ALL DIMENSIONS ARE TO FINISHED FACE OF GWB PARTITIONS, FACE OF CMU AND CENTERLINE OF COLUMNS UNLESS OTHERWISE INDICATED
11. TO THE FULLEST EXTENT POSSIBLE, COMPONENTS OF THE DRAWINGS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID
12. THE CONTRACT DOCUMENTS HAVE BEEN PREPARED TO BE COMPLEMENTARY. WHAT IS REQUIRED BY THE DRAWINGS SHALL BE REQUIRED BY THE SPECIFICATIONS, AND CONVERSELY. IN THE CASE OF DISCREPANCIES BETWEEN THE TWO DOCUMENTS CONCERNING QUALITY AND/OR QUANTITY, THE CONTRACTOR SHALL INCLUDE THE BETTER QUALITY AND/OR GREATER QUANTITY UNLESS OTHERWISE DIRECTED IN WRITING BY THE ARCHITECT. WHERE SPECIFICATIONS HAVE BEEN OMITTED FOR PARTICULAR ITEM(S), THE CONTRACTOR SHALL EMPLOY THE HIGHEST STANDARDS ESTABLISHED BY THE MANUFACTURER OF THE ITEM(S) AS THE GUIDELINES FOR PRODUCT HANDLING, INSTALLATION OR ERECTION AND PROTECTION OF THE COMPONENT ONCE IN PLACE

VICINITY MAP



NORTH

DRAWING INDEX

SHT. NO.	DRAWING TITLE	REVISION LOG ● INDICATES SHEETS AFFECTED
A0.0	COVER SHEET	
A0.1	PROJECT DATA	
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C1.0	COVER SHEET	
C2.0	GENERAL NOTES	
C2.1	GENERAL NOTES	
C2.2	GENERAL NOTES	
C3.0	DEMO PLAN	
C4.0	OVERALL SITE PLAN	
C4.1	SITE PLAN	
C4.2	ROUTING PLAN	
C5.0	GRADING PLAN	
C6.0	UTILITY PLAN	
C7.0	LANDSCAPE PLAN	
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C9.0	EROSION CONTROL PLAN	
C9.1	EROSION CONTROL DETAILS	
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D1.1	DETAILS (FDOT)	
D1.2	DETAILS (FDOT)	
D2.0	DETAILS (GRADING)	
D2.1	DETAILS (PROFILES)	
D3.0	DETAILS (UTILITY)	
D3.1	DETAILS (UTILITY)	
D3.2	DETAILS (UTILITY)	
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A0.4	ARCHITECTURAL SPECIFICATIONS	
A0.5	KEYNOTE INDEX	●
A0.6	REQUIRED SUBMITTALS INDEX	
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LS2.0	SECOND FLOOR LIFE SAFETY PLAN	
LS3.0	THIRD FLOOR LIFE SAFETY PLAN	
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A1.2	THIRD FLOOR PLAN	
A1.3	ROOF PLAN	
A1.4	ENLARGED FLOOR PLANS AND PARTITION TYPES	
A1.5	ROOF DETAILS	
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A1.6	CANOPY AND BAHAMA SHUTTER DETAILS	
A2.0	ENLARGED CEILING PLANS	●
A2.0A	ENLARGED CEILING PLAN	●
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A2.2	STORAGE SYSTEM DETAILS, MILLWORK DETAILS AND INTERIOR ELEVATIONS	
A2.3	MILLORK DETAILS	
A3.0	EXTERIOR ELEVATIONS	
A3.1	EXTERIOR ELEVATIONS	
A3.2	ENLARGED EXTERIOR ELEVATIONS	
A3.3	EXTERIOR ELEVATIONS WITH FINISHES	
A4.0	FRAME OPENING SCHEDULE AND ELEVATIONS	
A4.1	DOOR AND STOREFRONT DETAILS	●
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A5.1	WALL SECTION	
A5.2	WALL SECTIONS	
A5.3	WALL SECTIONS	
A5.4	WALL DETAILS	
A5.5	WALL SECTION AND DETAILS	
A6.0	ENLARGED STAIR PLANS - STAIRS 1 AND 2	
A6.1	ENLARGED ELEVATOR SHAFT PLANS AND DETAILS	
A6.2	STAIR SECTIONS	
A6.3	ELEVATOR SECTIONS	
A7.0	UL ASSEMBLY DETAILS	
A7.1	UL ASSEMBLY DETAILS	

CIVIL DRAWINGS SUBMITTED UNDER SEPARATE PERMIT BY OTHERS

SHT. NO.	DRAWING TITLE	REVISION LOG ● INDICATES SHEETS AFFECTED
	STRUCTURAL	
S1.1	STRUCTURAL NOTES	
S2.1	FOUNDATION PLAN	
S2.2	SECOND FLOOR FRAMING PLAN	
S2.3	THIRD FLOOR FRAMING PLAN	
S2.4	ROOF FRAMING PLAN	
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	MECHANICAL	
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	PLUMBING	
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	ELECTRICAL	
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E0.12	ELECTRICAL DETAILS	
E0.13	ELECTRICAL RISER DIAGRAM	
E0.14	ELECTRICAL PANEL SCHEDULES	
E0.15	ELECTRICAL SPECIFICATIONS	
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FA0.13	FIRE ALARM SPECIFICATIONS	
FA1.11	FIRST FLOOR FIRE ALARM PLAN	
FA1.12	SECOND FLOOR FIRE ALARM PLAN	
FA1.13	THIRD FLOOR FIRE ALARM PLAN	
	FIRE PROTECTION	
FP0.1	FIRE SPRINKLER SPECIFICATIONS	
FP0.2	SPRINKLER DETAILS & SITE PLAN	
FP1.1	FIRST FLOOR FIRE SPRINKLER PLAN	
FP1.2	SECOND FLOOR FIRE SPRINKLER PLAN	
FP1.3	THIRD FLOOR FIRE SPRINKLER PLAN	

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TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision descriptions
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REUNION SELF-STORAGE DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

COVER SHEET

A0.0

3/27/2026 8:57 AM

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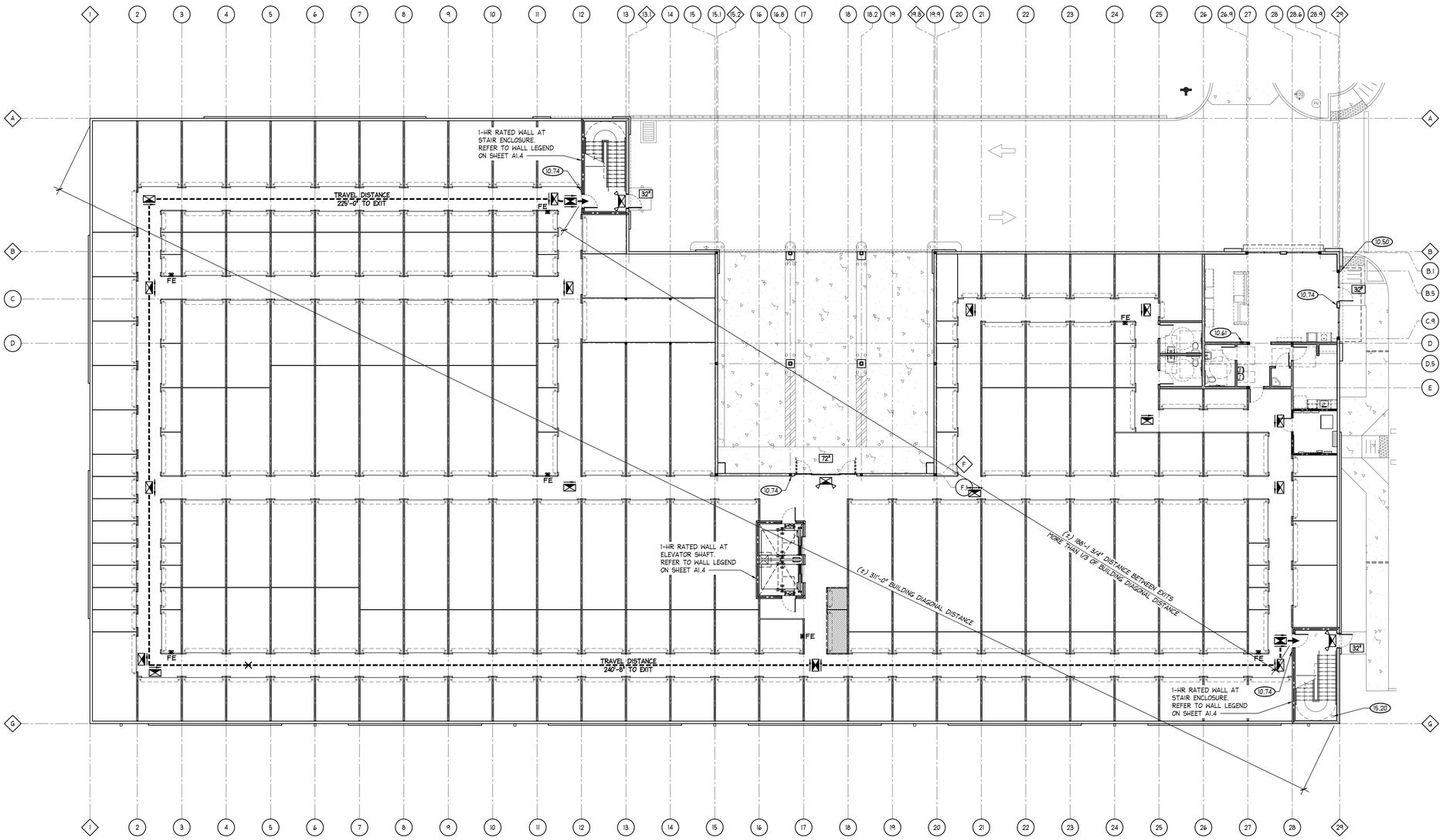
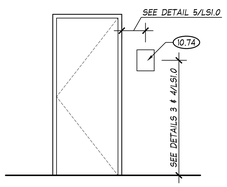


1 FIRST FLOOR LIFE SAFETY PLAN

SCALE: 3/32" = 1'-0"

NORTH



2 EXIT SIGN DETAIL

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

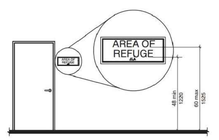
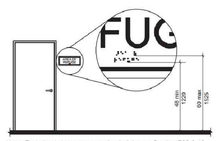


FIGURE 703.3.10HEIGHT OF RAISED CHARACTERS ABOVE FLOOR

3 EXIT SIGN DETAIL

NOT TO SCALE



Note: For raised character mounting height see Section 703.3.10

FIGURE 703.4.5HEIGHT OF BRAILLE CHARACTERS ABOVE FLOOR

4 EXIT SIGN DETAIL

NOT TO SCALE

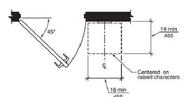


FIGURE 703.3.11LOCATION OF SIGNS AT DOORS

5 EXIT SIGN DETAIL

NOT TO SCALE

LIFE SAFETY PLAN LEGEND

- EXIT SIGN W/ 90 MIN. BATTERY BACK-UP RESERVE
- DIRECTIONAL EXIT SIGN W/ 90 MIN. BATTERY BACK-UP RESERVE
- FE — FIRE EXTINGUISHER IN RECESSED CABINET, MOUNTED AT 44" A.F.F. TO HANDLE – 5 LB 4A:10B:C
- FE — FIRE EXTINGUISHER IN WALL/SURFACE MOUNTED CABINET, MOUNTED AT 44" A.F.F. TO HANDLE – 5 LB 2A:10B:C
- 36" — INDICATES EGRESS DOOR WIDTH

LIGHTWEIGHT TRUSS SIGNAGE

F.A.C. 69A-60.0081 NOTICE REQUIRED FOR STRUCTURES WITH LIGHT-FRAME TRUSS-TYPE CONSTRUCTION

"APPROVED SYMBOL" MEANS A MALTESE CROSS MEASURING 8 INCHES HORIZONTALLY AND 8 INCHES VERTICALLY, OF A BRIGHT RED REFLECTIVE COLOR, DESIGNED IN ACCORDANCE WITH THE FIGURES BELOW.

R

LIGHT-FRAME "ROOF" ONLY

STAIR CONSTRUCTION:
STAIRS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FLORIDA FIRE PREVENTION CODE REQUIREMENTS AS INDICATED BELOW:

IN BUILDINGS OVER ONE STORY IN HEIGHT, AT LEAST ONE STAIRWAY SHALL BE PROVIDED THAT IS IN USABLE CONDITION AT ALL TIMES AND THAT MEETS THE REQUIREMENTS OF NFPA 101, LIFE SAFETY CODE (24):7.5.6.1). THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEQUENCING CONSTRUCTION ACCORDINGLY.

THIS STAIRWAY SHALL BE EXTENDED UPWARD AS EACH FLOOR IS INSTALLED IN NEW CONSTRUCTION AND MAINTAINED FOR EACH FLOOR STILL REMAINING DURING DEMOLITION (24):7.5.6.2).

THE STAIRWAY SHALL BE LIGHTED (24):7.5.6.3).

DURING CONSTRUCTION, THE STAIRWAY SHALL BE ENCLOSED WHERE THE BUILDING EXTERIOR WALLS ARE IN PLACE (24):7.5.6.4)

ALL EXISTING STAIRS SHALL BE PROVIDED WITH STAIR IDENTIFICATION SIGNS TO INCLUDE FLOOR LEVEL, STAIR DESIGNATION AND EXIT PATH DIRECTION AS REQUIRED TO PROVIDE FOR SAFE EGRESS (24):7.5.6.5).

COMPLETE DETAILS OF THE STAIRS INSTALLATION DURING CONSTRUCTION SHALL BE INDICATED ON THE ENGINEERED SHOP DRAWINGS. FL NFPA 01 13

IN BUILDINGS REQUIRED TO BE PROVIDED WITH A STANDPIPE SYSTEM IN ACCORDANCE WITH THE FLORIDA FIRE PREVENTION CODE, NO LESS THAN ONE STANDPIPE SHALL BE PROVIDED AND KEPT IN SERVICE DURING CONSTRUCTION. SUCH STANDPIPES SHALL BE INSTALLED WHEN THE PROGRESS OF CONSTRUCTION IS NOT MORE THAN 50 FT. IN HEIGHT ABOVE GRADE. STANDPIPES SHALL BE PROVIDED WITH APPROVED FIRE DEPARTMENT HOSE CONNECTIONS AT ACCESSIBLE LOCATIONS ADJACENT TO USABLE STAIRS AND SHALL BE DESIGNED TO FURNISH 500 GALLONS OF WATER PER MINUTE AT THE TOP-MOST OUTLET AT 65 PSI. THIS STANDPIPE SHALL BE EXTENDED AS CONSTRUCTION PROGRESSES TO WITHIN ONE FLOOR OF THE HIGHEST POINT OF CONSTRUCTION HAVING SECURED DECKING OR FLOORING. IF THE STANDPIPE IS TEMPORARY, IT SHALL BE DESIGNED TO FURNISH 100 GALLONS OF WATER PER MINUTE AT 65 PSI WITH A STANDPIPE SIZE OF NOT LESS THAN 4 INCHES AND SHALL REMAIN IN SERVICE UNTIL THE PERMANENT STANDPIPE INSTALLATION IS COMPLETED. PROVIDE STAIR IDENTIFICATION AS FOLLOWS: PERMANENT AND SECURE STAIR SIGNAGE IS TO BE TACTILE AND LOCATED AT EACH FLOOR LANDING. A MINIMUM OF FIVE INCH LETTERS PLACED IN THE MIDDLE OF THE SIGN INDICATING THE FLOOR LEVEL AND THE DIRECTION TO EXIT DISCHARGE. STAIR SIGNAGE IS ALSO TO INDICATE THE TERMINUS OF THE TOP AND BOTTOM OF THE STAIR ENCLOSURE WITH ONE INCH LETTERS LOCATED AT THE BOTTOM OF THE SIGN. LOCATE STAIR SIGNAGE 60 INCHES ABOVE FLOOR LANDING AND VISIBLE WHEN DOOR IS IN A OPEN OR CLOSED POSITION. ONE INCH LETTERING THAT READS 'NO ROOF ACCESS' IS TO BE LOCATED UNDER THE STAIRWAY IDENTIFICATION FOR STAIRWAYS THAT DO NOT PROVIDE ROOF ACCESS.

KNOX BOX REQUIREMENTS:
ACCESS BOX(ES). THE AHJ SHALL HAVE THE AUTHORITY TO REQUIRE AN ACCESS BOX(S) TO BE INSTALLED IN AN ACCESSIBLE LOCATION WHERE ACCESS TO OR WITHIN A STRUCTURE OR AREA IS DIFFICULT BECAUSE OF SECURITY.

ACCESS MAINTENANCE. THE OWNER OR OCCUPANT OF A STRUCTURE OR AREA, WITH REQUIRED FIRE DEPARTMENT ACCESS AS SPECIFIED IN 18.2.2.1 OR 18.2.2.2, SHALL NOTIFY THE AHJ WHEN THE ACCESS IS MODIFIED IN A MANNER THAT COULD PREVENT FIRE DEPARTMENT ACCESS WHERE ACCESS TO OR WITHIN A STRUCTURE OR AREA IS DIFFICULT BECAUSE OF SECURITY.

THE ACCESS BOX SHALL BE A TYPE APPROVED BY THE AUTHORITY HAVING JURISDICTION AND SHALL CONTAIN KEYS OR OTHER DEVICES NECESSARY TO GAIN ACCESS AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION. THE OPERATOR OF THE PREMISES SHALL IMMEDIATELY NOTIFY THE AUTHORITY HAVING JURISDICTION, AND PROVIDE THE NEW KEYS OR OTHER DEVICES, ANY TIME A LOCK IS CHANGED OR REKEYED AND A KEY OR OTHER DEVICE TO THAT LOCK IS CONTAINED IN THE ACCESS BOX.

KNOX BOXES FOR THIS PROJECT SHALL BE A MODEL APPROVED BY THE AUTHORITY HAVING JURISDICTION. LOCATIONS ARE IDENTIFIED ON THE FIRST FLOOR LIFE SAFETY PLAN WITH KEYNOTE NO. 10.50, KNOX BOX SHALL BE MOUNTED AT 5'-0" A.F.F.

REFER TO THE FLOOR DIMENSION PLAN ON SHEET A1.0A FOR THE PRIMARY BUILDING DIMENSIONS AND GENERAL DIMENSIONING NOTES

REFER TO THE WALL LEGEND AND INTERIOR PARTITION TYPES ON SHEET A1.4

REFER TO THE ELECTRICAL DRAWINGS FOR FINAL PLACEMENT AND SPECIFICATIONS OF EXIT AND EMERGENCY LIGHT FIXTURES

REFER TO THE FIRE ALARM PLANS AND FIRE PROTECTION DRAWINGS PROVIDED IN THIS SET FOR PERFORMANCE SPECIFICATIONS FOR FIRE ALARM AND AUTOMATIC FIRE SPRINKLER SYSTEMS. FULLY ENGINEERED SHOP DRAWINGS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR FOR PERMIT

REFER TO THE OCCUPANT LOAD AND EGRESS CALCULATIONS PROVIDED ON SHEET A0.1

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID

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GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision descriptions

REUNION
SELF-STORAGE
DAVENPORT

OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

FIRST FLOOR
LIFE SAFETY PLAN

LS1.0

2/27/2026 10:35 AM

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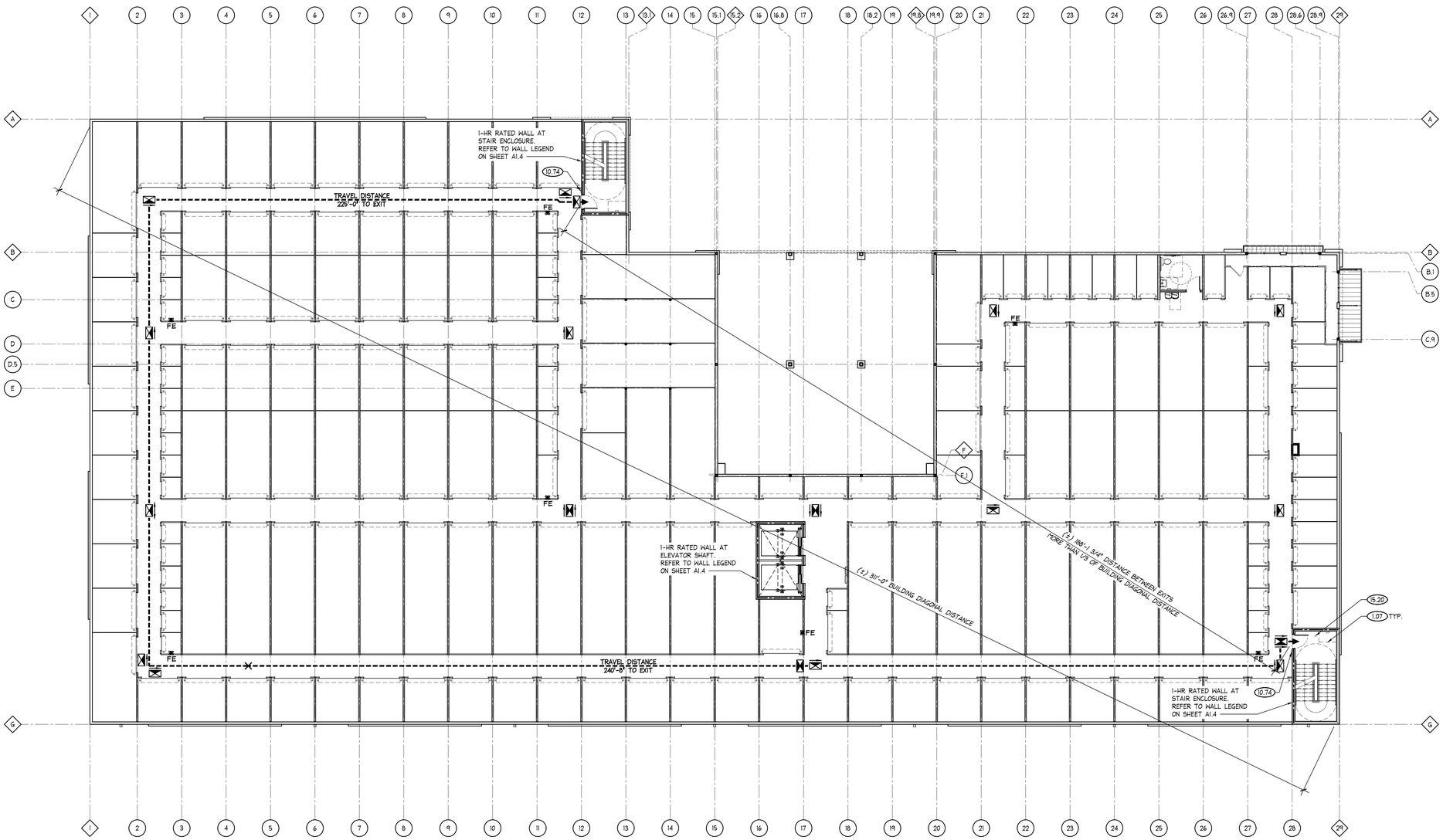

SECOND FLOOR LIFE SAFETY PLAN

SCALE: 3/32" = 1'-0"

NORTH

LIFE SAFETY PLAN LEGEND

- EXIT SIGN W/ 90 MIN. BATTERY BACK-UP RESERVE
- DIRECTIONAL EXIT SIGN W/ 90 MIN. BATTERY BACK-UP RESERVE
- FE — FIRE EXTINGUISHER IN RECESSED CABINET, MOUNTED AT 44" A.F.F. TO HANDLE – 5 LB 4A:10B:C
- FE — FIRE EXTINGUISHER IN WALL/SURFACE MOUNTED CABINET, MOUNTED AT 44" A.F.F. TO HANDLE – 5 LB 2A:10B:C
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R

LIGHT-FRAME "ROOF" ONLY

STAIR CONSTRUCTION:
STAIRS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FLORIDA FIRE PREVENTION CODE REQUIREMENTS AS INDICATED BELOW:

IN BUILDINGS OVER ONE STORY IN HEIGHT, AT LEAST ONE STAIRWAY SHALL BE PROVIDED THAT IS IN USABLE CONDITION AT ALL TIMES AND THAT MEETS THE REQUIREMENTS OF NFPA 101, LIFE SAFETY CODE (24I:7.5.6.1). THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEQUENCING CONSTRUCTION ACCORDINGLY.

THIS STAIRWAY SHALL BE EXTENDED UPWARD AS EACH FLOOR IS INSTALLED IN NEW CONSTRUCTION AND MAINTAINED FOR EACH FLOOR STILL REMAINING DURING DEMOLITION (24I:7.5.6.2).

THE STAIRWAY SHALL BE LIGHTED (24I:7.5.6.3).

DURING CONSTRUCTION, THE STAIRWAY SHALL BE ENCLOSED WHERE THE BUILDING EXTERIOR WALLS ARE IN PLACE (24I:7.5.6.4)

ALL EXISTING STAIRS SHALL BE PROVIDED WITH STAIR IDENTIFICATION SIGNS TO INCLUDE FLOOR LEVEL, STAIR DESIGNATION AND EXIT PATH DIRECTION AS REQUIRED TO PROVIDE FOR SAFE EGRESS (24I:7.5.6.5).

COMPLETE DETAILS OF THE STAIRS INSTALLATION DURING CONSTRUCTION SHALL BE INDICATED ON THE ENGINEERED SHOP DRAWINGS. FL NFPA 01 13

IN BUILDINGS REQUIRED TO BE PROVIDED WITH A STANDPIPE SYSTEM IN ACCORDANCE WITH THE FLORIDA FIRE PREVENTION CODE, NO LESS THAN ONE STANDPIPE SHALL BE PROVIDED AND KEPT IN SERVICE DURING CONSTRUCTION. SUCH STANDPIPES SHALL BE INSTALLED WHEN THE PROGRESS OF CONSTRUCTION IS NOT MORE THAN 50 FT. IN HEIGHT ABOVE GRADE. STANDPIPES SHALL BE PROVIDED WITH APPROVED FIRE DEPARTMENT HOSE CONNECTIONS AT ACCESSIBLE LOCATIONS ADJACENT TO USABLE STAIRS AND SHALL BE DESIGNED TO FURNISH 500 GALLONS OF WATER PER MINUTE AT THE TOP-MOST OUTLET AT 65 PSI. THIS STANDPIPE SHALL BE EXTENDED AS CONSTRUCTION PROGRESSES TO WITHIN ONE FLOOR OF THE HIGHEST POINT OF CONSTRUCTION HAVING SECURED DECKING OR FLOORING. IF THE STANDPIPE IS TEMPORARY, IT SHALL BE DESIGNED TO FURNISH 100 GALLONS OF WATER PER MINUTE AT 65 PSI WITH A STANDPIPE SIZE OF NOT LESS THAN 4 INCHES AND SHALL REMAIN IN SERVICE UNTIL THE PERMANENT STANDPIPE INSTALLATION IS COMPLETED. PROVIDE STAIR IDENTIFICATION AS FOLLOWS: PERMANENT AND SECURE STAIR SIGNAGE IS TO BE TACTILE AND LOCATED AT EACH FLOOR LANDING. A MINIMUM OF FIVE INCH LETTERS PLACED IN THE MIDDLE OF THE SIGN INDICATING THE FLOOR LEVEL AND THE DIRECTION TO EXIT DISCHARGE. STAIR SIGNAGE IS ALSO TO INDICATE THE TERMINUS OF THE TOP AND BOTTOM OF THE STAIR ENCLOSURE WITH ONE INCH LETTERS LOCATED AT THE BOTTOM OF THE SIGN. LOCATE STAIR SIGNAGE 60 INCHES ABOVE FLOOR LANDING AND VISIBLE WHEN DOOR IS IN A OPEN OR CLOSED POSITION. ONE INCH LETTERING THAT READS 'NO ROOF ACCESS' IS TO BE LOCATED UNDER THE STAIRWAY IDENTIFICATION FOR STAIRWAYS THAT DO NOT PROVIDE ROOF ACCESS.

KNOX BOX REQUIREMENTS:
ACCESS BOX(S). THE AHJ SHALL HAVE THE AUTHORITY TO REQUIRE AN ACCESS BOX(S) TO BE INSTALLED IN AN ACCESSIBLE LOCATION WHERE ACCESS TO OR WITHIN A STRUCTURE OR AREA IS DIFFICULT BECAUSE OF SECURITY.

ACCESS MAINTENANCE. THE OWNER OR OCCUPANT OF A STRUCTURE OR AREA, WITH REQUIRED FIRE DEPARTMENT ACCESS AS SPECIFIED IN 18.2.2.1 OR 18.2.2.2, SHALL NOTIFY THE AHJ WHEN THE ACCESS IS MODIFIED IN A MANNER THAT COULD PREVENT FIRE DEPARTMENT ACCESS WHERE ACCESS TO OR WITHIN A STRUCTURE OR AREA IS DIFFICULT BECAUSE OF SECURITY.

THE ACCESS BOX SHALL BE A TYPE APPROVED BY THE AUTHORITY HAVING JURISDICTION AND SHALL CONTAIN KEYS OR OTHER DEVICES NECESSARY TO GAIN ACCESS AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION. THE OPERATOR OF THE PREMISES SHALL IMMEDIATELY NOTIFY THE AUTHORITY HAVING JURISDICTION, AND PROVIDE THE NEW KEYS OR OTHER DEVICES, ANY TIME A LOCK IS CHANGED OR REKEYED AND A KEY OR OTHER DEVICE TO THAT LOCK IS CONTAINED IN THE ACCESS BOX.

KNOX BOXES FOR THIS PROJECT SHALL BE A MODEL APPROVED BY THE AUTHORITY HAVING JURISDICTION. LOCATIONS ARE IDENTIFIED ON THE FIRST FLOOR LIFE SAFETY PLAN WITH KEYNOTE NO. 10.50, KNOX BOX SHALL BE MOUNTED AT 5'-0" A.F.F.

REFER TO THE FLOOR DIMENSION PLAN ON SHEET A1.0A FOR THE PRIMARY BUILDING DIMENSIONS AND GENERAL DIMENSIONING NOTES

REFER TO THE WALL LEGEND AND INTERIOR PARTITION TYPES ON SHEET A1.4

REFER TO THE ELECTRICAL DRAWINGS FOR FINAL PLACEMENT AND SPECIFICATIONS OF EXIT AND EMERGENCY LIGHT FIXTURES

REFER TO THE FIRE ALARM PLANS AND FIRE PROTECTION DRAWINGS PROVIDED IN THIS SET FOR PERFORMANCE SPECIFICATIONS FOR FIRE ALARM AND AUTOMATIC FIRE SPRINKLER SYSTEMS. FULLY ENGINEERED SHOP DRAWINGS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR FOR PERMIT

REFER TO THE OCCUPANT LOAD AND EGRESS CALCULATIONS PROVIDED ON SHEET A0.1

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TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision descriptions

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

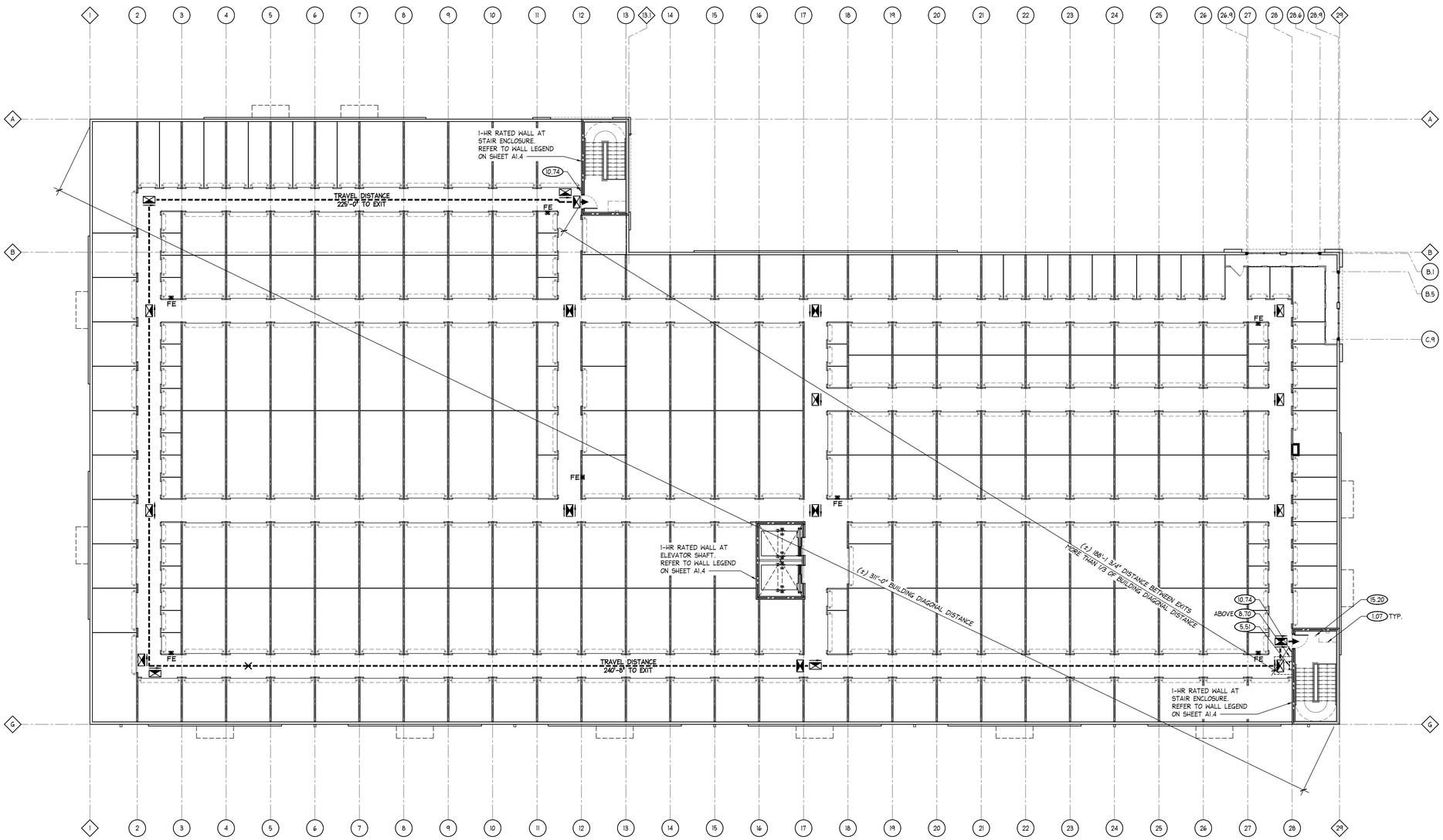
SECOND FLOOR
LIFE SAFETY PLAN

LS2.0

2/24/2026 11:19 AM

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
24-8289 3/31/2026

Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Fire Review - Mike Hudkins - NA to Private Provider - 3/30/2026



THIRD FLOOR LIFE SAFETY PLAN

SCALE: 3/32" = 1'-0"

NORTH

LIFE SAFETY PLAN LEGEND

- EXIT SIGN W/ 90 MIN. BATTERY BACK-UP RESERVE
- DIRECTIONAL EXIT SIGN W/ 90 MIN. BATTERY BACK-UP RESERVE
- FE — FIRE EXTINGUISHER IN RECESSED CABINET, MOUNTED AT 44" A.F.F. TO HANDLE - 5 LB 4A:10B:C
- FE — FIRE EXTINGUISHER IN WALL/SURFACE MOUNTED CABINET, MOUNTED AT 44" A.F.F. TO HANDLE - 5 LB 2A:10B:C
- 36" — INDICATES EGRESS DOOR WIDTH

LIGHTWEIGHT TRUSS SIGNAGE

F.A.C. 69A-60.0081 NOTICE REQUIRED FOR STRUCTURES WITH LIGHT-FRAME TRUSS-TYPE CONSTRUCTION

"APPROVED SYMBOL" MEANS A MALTESE CROSS MEASURING 8 INCHES HORIZONTALLY AND 8 INCHES VERTICALLY, OF A BRIGHT RED REFLECTIVE COLOR, DESIGNED IN ACCORDANCE WITH THE FIGURES BELOW.

R

LIGHT-FRAME "ROOF" ONLY

STAIR CONSTRUCTION:
STAIRS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FLORIDA FIRE PREVENTION CODE REQUIREMENTS AS INDICATED BELOW:

IN BUILDINGS OVER ONE STORY IN HEIGHT, AT LEAST ONE STAIRWAY SHALL BE PROVIDED THAT IS IN USABLE CONDITION AT ALL TIMES AND THAT MEETS THE REQUIREMENTS OF NFPA 101, LIFE SAFETY CODE (24I:7.5.6.1). THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEQUENCING CONSTRUCTION ACCORDINGLY.

THIS STAIRWAY SHALL BE EXTENDED UPWARD AS EACH FLOOR IS INSTALLED IN NEW CONSTRUCTION AND MAINTAINED FOR EACH FLOOR STILL REMAINING DURING DEMOLITION (24I:7.5.6.2).

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seal

no.	date	revision descriptions

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

THIRD FLOOR
LIFE SAFETY PLAN

LS3.0

2/24/2026 11:17 AM

Reviewed for Code Compliance
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Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Fire Protection - Matt Hopkins - NA to Private Provider - 3/30/2026

PROJECT SUMMARY

THE PROJECT INCLUDES THE GROUND-UP CONSTRUCTION OF A NEW, THREE-STORY SELF-STORAGE BUILDING WITH GROUND FLOOR OFFICE.

THE PROPOSED BUILDING WILL BE EQUIPPED WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM THROUGHOUT. THE FIRE PROTECTION PLANS AND FIRE ALARM PLANS PROVIDED IN THIS SET OUTLINE THE PERFORMANCE SPECIFICATIONS OF THE AUTOMATIC FIRE SPRINKLER SYSTEM AND FIRE ALARM SYSTEM TO BE PROVIDED FOR THE PROPOSED WORK. FULLY ENGINEERED, SIGNED AND SEALED PLANS ARE TO BE OBTAINED BY THE GENERAL CONTRACTOR AND SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE COMMENCEMENT OF WORK

PLANS FOR THE BUILDING INCLUDED IN THIS SET INCLUDE ARCHITECTURAL, STRUCTURAL, MECHANICAL/PLUMBING, AND ELECTRICAL. STRUCTURAL DRAWINGS ARE LIMITED TO:

1) BUILDING FOUNDATION DESIGN AND THE MASONRY AT THE STAIR AND ELEVATOR SHAFTS
2) THE ENGINEERING FOR THE REMAINING VERTICAL STRUCTURE IS TO BE PROVIDED BY THE **PRE-ENGINEERED METAL BUILDING COMPANY (PEMB).** THIS INCLUDES:
   a) LIGHT GAUGE METAL STUD FRAMING, CONCRETE AND METAL DECKING AT UPPER FLOOR SLABS, AND ROOF FRAMING
3) FULLY ENGINEERED, SIGNED AND SEALED PLANS BY THE PEMB ARE TO BE OBTAINED BY THE GENERAL CONTRACTOR AND SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE COMMENCEMENT OF WORK. SEE ADDITIONAL NOTES ON **SHEET A0.4**

CIVIL ENGINEERING, LANDSCAPE ARCHITECTURE AND IRRIGATION PLANS HAVE BEEN PROVIDED UNDER SEPARATE COVER AND PERMIT.

REFER TO CODE REFERENCES AND BUILDING CODE DATA PROVIDED ON THIS SHEET.

DEFERRED SUBMITTALS

THE FOLLOWING ITEMS ARE BEING REQUESTED AS DEFERRED SUBMITTALS UNTIL THE GENERAL CONTRACTOR ENGAGES THE SUB-CONTRACTORS OR SUPPLIERS WHICH WILL PROVIDE THE REQUIRED DOCUMENTATION:

- EXTERIOR CANOPIES (REQUIRES ENGINEERING)
- ROOFING SYSTEM (REQUIRES SEPARATE PERMIT WITH REQUIRED DOCUMENTS)
- FIRE ALARM
- BDA SYSTEM (IF REQUIRED)
- FIRE SPRINKLER
- METAL STAIR AND RAILING SYSTEM (REQUIRES ENGINEERING)
- ELEVATORS
- STOREFRONT SYSTEM (REQUIRES NOAS AND/OR PRODUCT APPROVALS)
- SECURITY AND ACCESS CONTROL
- AREA OF REFUGE SYSTEM
- TERMITE PROTECTION
- BUILDING AND MONUMENT SIGNAGE (REQUIRES SEPARATE PERMIT FOR EACH)
- PRE-ENGINEERED METAL BUILDING COMPONENTS

FIRE PROTECTION NOTES

THIS BUILDING WILL BE PROTECTED WITH A FIRE SPRINKLER SYSTEM. ALL FIRE SPRINKLER WORK, INCLUDING CHANGES, ADDITIONS, RELOCATIONS, IMPROVEMENTS, AND/OR MODIFICATIONS TO THE FIRE PROTECTION SYSTEM, SHALL MEET THE REQUIREMENTS OF NFPA 13 2019 EDITION AND MUST BE DONE BY A LICENSED FIRE PROTECTION CONTRACTOR WITH SEPARATE PERMIT AND PLANS. ALL FIRE PROTECTION DRAWINGS SHOWN IN THESE DOCUMENTS ARE FOR REFERENCE ONLY

REFER TO ARCHITECTURAL AND FIRE PROTECTION PLANS FOR RISER LOCATION

REFER TO CIVIL DRAWINGS FOR LOCATIONS OF FIRE MAIN AND HYDRANTS

REFER TO ELECTRICAL DRAWINGS FOR FIRE ALARM REQUIREMENTS

THE CONTRACTOR SHALL PROVIDE KNOX BOXES FOR ENTRY INTO THE VARIOUS AREAS OF THE BUILDING. THE GENERAL CONTRACTOR SHALL VERIFY THE MODEL NO., LOCATION AND MOUNTING HEIGHT WITH THE FIRE MARSHAL

AREA OF REFUGE

AREA OF REFUGES HAVE BEEN PROVIDED AT UPPER FLOORS OF EACH STAIRWELL PER REQUIREMENTS OF NFPA 101, SECTION 7.2.12.1.2. REFER TO LIFE SAFETY PLANS AND ELECTRICAL DRAWINGS

FIRE ALARM NOTE

ALL FIRE ALARM WORK, INCLUDING CHANGES, ADDITIONS, RELOCATIONS, IMPROVEMENTS, AND/OR MODIFICATIONS TO THE FIRE ALARM SYSTEM, SHALL MEET THE REQUIREMENTS OF NFPA 72, 2019 EDITION AND MUST BE DONE BY A LICENSED FIRE ALARM CONTRACTOR WITH SEPARATE PERMIT AND PLANS. ALL FIRE PROTECTION DRAWINGS SHOWN IN THESE DOCUMENTS ARE FOR REFERENCE ONLY.

EMERGENCY RESPONDER RADIO

AT AN APPROPRIATE STAGE OF CONSTRUCTION, THE GENERAL CONTRACTOR AND/OR OWNER'S REPRESENTATIVE SHALL CONDUCT AN ASSESSMENT TO DETERMINE IF THE MINIMUM RADIO SIGNAL STRENGTH IS IN COMPLIANCE WITH REQUIREMENTS OF NFPA 72 AND 24. ALL TESTING TO BE PERFORMED USING A SPECTRUM ANALYZER.

REFER TO **SHEET FA0.11** FOR ADDITIONAL INFORMATION

PROJECT FIRE ALARM AND CORRIDOR LIGHTING CONTROL BASIS OF DESIGN

REFER TO PROJECT FIRE ALARM AND CORRIDOR LIGHTING CONTROL BASIS OF DESIGN BOXED NOTE ON **SHEET FA0.11**

FIRE EXTINGUISHER NOTES

LOCATIONS AND KEY NOTES FOR FIRE EXTINGUISHES HAVE BEEN INDICATED ON PLANS BASED ON CODE REQUIREMENTS. HOWEVER, THE FIRE MARSHALL AND/OR FIELD INSPECTOR SHALL HAVE THE FINAL SAY OVER QUANTITIES AND LOCATIONS.

FIRE EXTINGUISHER HAVE BEEN LOCATED BASED ON 75'-0" TRAVEL DISTANCE AND MAXIMUM SQUARE FOOT AREAS BASED ON THE FOLLOWING:

LIGHT HAZARD: (RETAIL, OFFICE) 2-A 6,000 SF
ORDINARY HAZARD: (S-1 STORAGE) 4-A 6,000 SF

ALL EXTINGUISHERS ARE TO BE MOUNTED AT 44" A.F.F. TO THE HANDLE

APPLICABLE CODES

- FLORIDA BUILDING CODE-BUILDING (8TH EDITION)
- FLORIDA BUILDING CODE-EXISTING (8TH EDITION)
- FLORIDA BUILDING CODE-ACCESSIBILITY (8TH EDITION)
- FLORIDA BUILDING CODE-ENERGY CONSERVATION (8TH EDITION)
- FLORIDA BUILDING CODE-FUEL GAS (8TH EDITION)
- FLORIDA BUILDING CODE-MECHANICAL (8TH EDITION)
- FLORIDA BUILDING CODE-PLUMBING (8TH EDITION)
- NATIONAL ELECTRIC CODE (2020 EDITION)
- FLORIDA FIRE PREVENTION CODE (8TH EDITION)

FIRE CODES: ALL CODES SHALL COMPLY WITH FLORIDA ADMINISTRATIVE CODE 69A-60 AND ALL ASSOCIATED REFERENCED PUBLICATIONS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

- NFPA 101, LIFE SAFETY CODE, 2021 EDITION
- NFPA 1, FIRE CODE, 2021 EDITION

WIND DESIGN CRITERIA

1. ULTIMATE WIND SPEED = **140 MPH** - (PER FBC FIGURE 1609.3(1))
2. WIND EXPOSURE "B"
3. BUILDING RISK CATEGORY II (PER FBC TABLE 1604.5)
4. INTERNAL PRESSURE COEFFICIENT (GCpi) = +/- 0.18, TOTALLY ENCLOSED (PER ASCE 7-22)
5. COMPONENTS AND CLADDING - REFER TO STRUCTURAL DRAWINGS, **SHEET S1.1** FOR WIND DESIGN CRITERIA

THE CONTRACTOR SHALL SUBMIT MANUFACTURER TEST DATA AND INSTALLATION / FASTENING REQUIREMENTS TO THE BUILDING DEPARTMENT, FOR APPROVAL, PRIOR TO FABRICATION AND INSTALLATION. SUBMITTALS SHALL INCLUDE, BUT ARE NOT LIMITED TO, ALUMINUM STOREFRONT GLAZING SYSTEMS, EXTERIOR DOORS AND FRAMES, AUTOMATIC SLIDING ENTRY DOORS, LOUVERS, EXTERIOR WALL CLADDING AND ROOFING SYSTEMS.

FLORIDA PRODUCT DATA INDEX

PRODUCT CATEGORY	SUB CATEGORY	MANUFACTURER	FL APPROVAL NO.	DATE
ROOFING	SINGLE PLY ROOF SYSTEMS	ELEVATE (AMRIZE BUILDING ENVELOPE LLC)	10264.1-R21	09/18/2025
PANEL WALLS	EXTERIOR INSULATION AND FINISH SYSTEM	DRYVIT (TREMCO CPG INC.)	3423-R12	04/06/2024
PANEL WALLS	ALUM. STOREFRONT (IMPACT RATED)	YKK AP AMERICA	14218.4-R16	02/11/2025
EXTERIOR DOORS	ALUM. STOREFRONT (IMPACT RATED)	YKK AP AMERICA	16554.1-R14	04/15/2025
EXTERIOR DOORS	BUILDING EXTERIOR DOOR ASSEMBLIES	CECO DOOR PRODUCTS	4553.1-R15	02/17/2025
EXTERIOR DOORS	SLIDING EXTERIOR DOOR ASSEMBLIES	ALLEGION ACCESS TECH., LLC	41992.4-R1	02/29/2024
ROOFING	ROOFING ACC. PART OF ROOFING SYSTEM	THE BILCO COMPANY	15110.1-R7	01/29/2026
STRUCTURAL COMP.	PRE-ENGINEERED AC STANDS	MIAMI TECH, INC.	24546.1-R3	10/17/2023
PANEL WALLS	WALL LOUVER	GREENHECK FAN CORPORATION	19277.1-R8	08/12/2025

THE PRODUCTS LISTED ABOVE ARE THE BASIS OF DESIGN. **IMPACT RESISTANT COMPONENTS ARE REQUIRED**

THE CONTRACTOR SHALL MAKE AVAILABLE TO THE BUILDING INSPECTOR DOCUMENTATION NECESSARY TO VERIFY THAT ALL COMPONENTS REQUIRING PRODUCT APPROVAL PER FS 553.842 ARE IN COMPLIANCE WITH PRODUCT APPROVAL INSTALLATION REQUIREMENTS

THE CONTRACTOR SHALL SUBMIT MANUFACTURER TEST DATA AND INSTALLATION/FASTENING REQUIREMENTS TO THE BUILDING DEPARTMENT FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION. SUBMITTALS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, ALUMINUM STOREFRONT GLAZING SYSTEMS, EXTERIOR DOORS AND FRAMES, AUTOMATIC SLIDING ENTRY DOORS, EXTERIOR WALL CLADDING AND ROOFING SYSTEMS.

SIGNED AND SEALED SHOP/ERECTION DRAWINGS MUST BE MAINTAINED ON THE JOB SITE AT ALL TIMES.

EGRESS REQUIREMENTS

EGRESS CALCULATIONS:

EGRESS CAPACITY FACTORS: DOORS AT 0.2" PER OCCUPANT, STAIRS AT .3" PER OCCUPANT

DOORS:

FIRST FLOOR:
STORAGE (2 EXITS REQUIRED: **3 PROVIDED**)
EGRESS WIDTH REQUIRED = 101 X 0.2" = 20.2"
EGRESS WIDTH PROVIDED = (72"+32"+32")= 136"

OFFICE (1 EXITS REQUIRED: **1 PROVIDED**)
EGRESS WIDTH REQUIRED = 7 X 0.2" = 1.4"
EGRESS WIDTH PROVIDED = (32")= 32"

SECOND FLOOR:
(2) STAIR EXITS PROVIDED DIRECTLY TO EXTERIOR

STORAGE (2 EXITS REQUIRED: **2 PROVIDED**)
EGRESS WIDTH REQUIRED = (104 X 0.2)= 20.8"
EGRESS WIDTH PROVIDED = (32"+32")= 64"

THIRD FLOOR:
(2) STAIR EXITS PROVIDED DIRECTLY TO EXTERIOR

STORAGE (2 EXITS REQUIRED: **2 PROVIDED**)
EGRESS WIDTH REQUIRED = (112 X 0.2)= 22.4"
EGRESS WIDTH PROVIDED = (32"+32")= 64"

STAIRS:

TOTAL OCCUPANTS FOR SECOND FLOOR= 104
(2 STAIRS REQUIRED: **2 PROVIDED**)

TOTAL OCCUPANTS FOR THIRD FLOOR= 112
(2 STAIRS REQUIRED: **2 PROVIDED**)

STAIR WIDTH REQUIRED= (108 X 0.3)= 32.4"
STAIR WIDTH PROVIDED= 48"

QUALITY ASSURANCE FOR PENETRATIONS AND JOINTS

PER REQUIREMENTS OF THE FLORIDA FIRE PREVENTION CODE, SECTION 12.3.2 QUALITY ASSURANCE FOR PENETRATIONS AND JOINTS, IN NEW BUILDINGS THREE STORIES OR GREATER IN HEIGHT REQUIRE THAT A QUALITY ASSURANCE PROGRAM FOR THE INSTALLATION OF DEVICES AND SYSTEMS INSTALLED TO PROTECT PENETRATIONS AND JOINTS SHALL BE PROVIDED.

THE GENERAL CONTRACTOR SHALL ENGAGE A THIRD PARTY INSPECTOR TO MONITOR AND INSPECT FIRESTOP SYSTEMS AND FIRE RESISTIVE JOINT SYSTEMS. INSPECTIONS SHALL BE IN ACCORDANCE WITH REQUIREMENTS SPECIFIED IN FLORIDA FIRE PREVENTION CODE SECTIONS 12.3.2.1 AND 12.3.2.2.

BUILDING CODE DATA

FBC CHAPTER 3 - USE AND OCCUPANCY CALCULATION

- OCCUPANCY: S-1 MODERATE HAZARD STORAGE WITH ACCESSORY GROUP B, BUSINESS (FBC)
  GENERAL STORAGE CLASSIFICATION NFPA 101, CHAPTER 42, (SECTION 42.1.5)
  ORDINARY HAZARD CLASSIFICATION NFPA 101, CHAPTER 6, (SECTION 6.2.2.3)

FBC CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS

- CONSTRUCTION TYPE: TYPE II-B (FBC TABLE 601 / NFPA 220, CHAPTER 4, SECTION 4.1.1)
- FIRE SPRINKLERED: YES, NFPA 13, ORDINARY HAZARD GROUP 2 / FBC 903.2.9
- FIRE ALARM: YES (FULL FIRE ALARM SYSTEM), NFPA 101, CHAPTER 42.3.4.2
- BUILDING AREA ALLOWABLE: 174,825 SQ. FT. (WITH MODIFICATIONS PER 506.2.3)
  - PROPOSED AREA:
    FIRST FLOOR 31,122 SQ. FT. (30,128 SF STORAGE / 994 SF OFFICE)
    SECOND FLOOR 31,122 SQ. FT.
    THIRD FLOOR 33,555 SQ. FT.
    TOTAL BUILDING 95,799 SQ. FT.

AREA MODIFICATIONS (506.2.3)
$A_a = [A_t + (NS \times I_f)] \times S$
A_a = (152,500 + (17,500 x .33)) x 3
A_a = (152,500 + 5,775) x 3
A_a = 58,275 x 3
A_a = 174,825

- NUMBER OF STORIES ALLOWABLE: 2 STORIES; 3 STORIES WITH INCREASE FOR AUTOMATIC SPRINKLER SYSTEM
  - PROPOSED: 3 STORIES
- BUILDING HEIGHT ALLOWABLE (II-B): 55'; 75' WITH INCREASE FOR AUTOMATIC SPRINKLER SYSTEM
  - PROPOSED: 36'-8 1/2" A.F.F. - HIGH POINT OF MAIN (FLAT) ROOF; 44'-6 1/2" A.F.F. - HIGH POINT OF PARAPET

FBC CHAPTER 6 - TYPES OF CONSTRUCTION

FBC TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)

- PRIMARY STRUCTURAL FRAME: 0
- BEARING WALLS, EXTERIOR: PER TABLE 705.5 REQUIREMENTS BELOW
- BEARING WALLS, INTERIOR: 0
- NON-BEARING WALLS AND PARTITIONS, EXTERIOR: 0
- NON-BEARING WALLS AND PARTITIONS, INTERIOR: 0
- FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS: 0
- ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS: 0

- FBC TABLE 705.5 FIRE-RESISTANCE RATING REQ'D FOR EXT. WALLS BASED ON FIRE SEPARATION DISTANCE

SEPARATION DISTANCE	TYPE CONSTR.	S-1 OCCUPANCY	APPLICABLE BUILDING FRONTAGES
X<5	ALL	2	
5≤X<10	II-B	1	
10≤X<30	II-B	0	NORTH, SOUTH
X≥30	ALL	0	WEST, EAST

WHERE FBC TABLE 705.8 PERMITS NON-BEARING EXTERIOR WALLS WITH UNLIMITED AREA OF UNPROTECTED OPENINGS, THE REQUIRED FIRE-RESISTANCE RATING FOR THE EXTERIOR WALL IS 0 HOURS

FBC CHAPTER 7- FIRE AND SMOKE PROTECTION FEATURES

- FBC TABLE 705.8 MAX. AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION

SEPARATION DISTANCE	DEGREE OF OPENING PROTECTION	ALLOWABLE AREA	APPLICABLE BUILDING FRONTAGES	WALL AREA	OPENING AREA	% OPENINGS ALLOWED	% OPENINGS PROPOSED
0 TO LESS THAN 3	(UP, S)	NOT PERMITTED					
3 TO LESS THAN 5	(UP, S)	15%					
5 TO LESS THAN 10	(UP, S)	25%					
10 TO LESS THAN 15	(UP, S)	45%	NORTH	**	**	** NO LIMIT	** N/A
15 TO LESS THAN 20	(UP, S)	75%					
20 TO LESS THAN 25	(UP, S)	NO LIMIT	SOUTH	**	**	** NO LIMIT	** N/A
25 TO LESS THAN 30	(UP, S)	NO LIMIT					
30 OR GREATER	(UP, S)	NOT REQUIRED	WEST, EAST	**	**	** NO LIMIT	** N/A

** PER FBC SECTION 705.8.1, EXCEPTION 2 - BUILDINGS WHOSE EXTERIOR BEARING WALLS, EXTERIOR NON-BEARING WALLS AND EXTERIOR PRIMARY STRUCTURAL COMPONENTS ARE NOT REQUIRED TO BE FIRE-RESISTANCE RATED SHALL BE PERMITTED TO HAVE UNLIMITED UNPROTECTED OPENINGS. WHERE THESE CONDITIONS EXIST, CALCULATIONS FOR WALL OPENINGS HAVE BEEN OMITTED. SEE FBC TABLE 602 RESULTS ABOVE

- FBC SECTION 707.3.9 SEPARATED OCCUPANCIES / NFPA 101, SECTION 6.1.14.1.3 (3)
  WHERE PROVISIONS OF FBC SECTION 508.4 ARE APPLICABLE, THE FIRE BARRIER SEPARATING MIXED OCCUPANCIES SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN INDICATED IN FBC TABLE 508.4
  - THE BUILDING IS TO BE CLASSIFIED AS A S-1 STORAGE OCCUPANCY WITH AN ACCESSORY GROUP B BUSINESS OCCUPANCY (OFFICE)
  - PER FBC SECTION 508.2.1 THE ACCESSORY OCCUPANCY DOES NOT EXCEED 10% OF THE STORY IN WHICH IT IS LOCATED AND DOES NOT EXCEED THE TABULAR VALUES IN FBC TABLE 503
  - PER FBC SECTION 508.2.4, NO SEPARATION IS REQUIRED BETWEEN THE ACCESSORY OCCUPANCY AND THE MAIN OCCUPANCY
  - PER FBC TABLE 508.4, NO SEPARATION IS REQUIRED BETWEEN GROUP S-1 AND GROUP B OCCUPANCIES WHEN THE BUILDING IS SPRINKLERED

- FBC SECTION 708.1, FIRE PARTITIONS ARE NOT REQUIRED FOR TENANT SEPARATION

- FBC SECTION 708.1.3, FIRE PARTITIONS ARE NOT REQUIRED FOR CORRIDOR WALLS PER FBC TABLE 1020.2 (GROUP S OCCUPANCY WITH FIRE SPRINKLER ALLOWS 0-HOUR RATING FOR CORRIDORS)

- FBC SECTION 708.1.4, FIRE PARTITIONS ARE NOT REQ'D FOR ELEVATOR LOBBIES PER FBC SECTION 3006.2, EXCEPTION NO. 2
  - THE BUILDING WILL BE EQUIPPED THROUGHOUT WITH AN NFPA-13 AUTOMATIC FIRE SPRINKLER SYSTEM PER PROVISIONS OF FBC SECTION 903.3.1.1

- FBC SECTION 713.4 SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 2 HOURS WHERE CONNECTING FOUR STORIES OR MORE AND NOT LESS THAN ONE HOUR WHERE CONNECTING LESS THAN FOUR STORIES
  - PER FBC TABLE 716.5, DOORS IN 2-HOUR RATED SHAFT ENCLOSURES SHALL HAVE A 1 1/2 HOUR DOOR AND DOORS IN 1 HOUR RATED SHAFT ENCLOSURE SHALL HAVE A 1 HOUR RATING

FBC CHAPTER 10- MEANS OF EGRESS (FBC 1004.5 / NFPA 1 14.8.1.2)

- FBC TABLE 1004.5 - MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT
- OCCUPANT LOAD:
  FIRST FLOOR 30,128 SQ. FT. STORAGE / 300 = 101 OCCUPANTS; 994 SQ. FT. OFFICE / 150 = 7 OCCUPANTS
  SECOND FLOOR 31,122 SQ. FT. STORAGE / 300 = 104 OCCUPANTS
  THIRD FLOOR 33,555 SQ. FT. STORAGE / 300 = 112 OCCUPANTS
  TOTAL 324 OCCUPANTS
- **SEE EGRESS CALCULATIONS ON THIS SHEET**
- MAXIMUM DEADEND CORRIDOR ALLOWED: 50' MAXIMUM PER FBC SECTION 1020.5.2 / NFPA 101 42.2.5 (SPRINKLERED)
  - PROPOSED: SEE LIFE SAFETY PLAN
- COMMON PATH OF TRAVEL ALLOWED: 100' PER FBC TABLE 1006.2.1 / NFPA 42.2.5 (SPRINKLERED)
  - PROPOSED: SEE LIFE SAFETY PLAN
- MAXIMUM TRAVEL DISTANCE TO EXIT: 250' PER FBC TABLE 1017.2 / NFPA 101, 42.2.6 (SPRINKLERED)
  - PROPOSED: SEE LIFE SAFETY PLAN
- MINIMUM CORRIDOR WIDTH: 44" PER FBC TABLE 1020.3
  - PROPOSED: 44"
- MINIMUM STAIR WIDTH: .03" PER OCCUPANT
  - PROPOSED: 48"

FPC TABLE 403.1 - MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

		PLUMBING CALCULATIONS																
OCCUPANCY CLASSIFICATION	OCCUPANT LOAD	W.C. RATIO (MEN)	W.C. REQ'D	W.C. PROV'D	W.C. RATIO (WOMEN)	W.C. REQ'D	W.C. PROV'D	LAV. RATIO (MEN)	LAV. REQ'D	LAV. PROV'D	LAV. RATIO (WOMEN)	LAV. REQ'D	LAV. PROV'D	D.F. RATIO	D.F. REQ'D	D.F. PROV'D	SERV. SINK REQ'D	NOTES
STORAGE	322 (SEE CALCULATIONS THIS SHEET)	1/100	4	4	-	-	-	1/100	4	4	-	-	-	1/1000	1 ADA	2 HI-LO	1	SEE NOTES A, B, C AND D BELOW

NOTES:
A. PER FBC-PLUMBING 403.3.3 LOCATION OF TOILET FACILITIES FOR PUBLIC SHALL BE LOCATED NOT MORE THAN ONE STORY ABOVE OR BELOW THE SPACE REQUIRED TO BE PROVIDED WITH TOILET FACILITIES, AND THE PATH OF TRAVEL TO SUCH FACILITIES SHALL NOT EXCEED A DISTANCE OF 500 FEET
B. FOUR UNISEX TOILET FACILITES HAVE BEEN PROVIDED WITHIN THE BUILDING. ONE WITHIN THE OFFICE, TWO NEAR THE OFFICE, AND ONE AT THE SECOND FLOOR.
C. A SERVICE SINK HAS BEEN PROVIDED WITHIN THE JANITOR'S CLOSET
D. ALL TOILET ROOMS AND ELECTRIC WATER COOLERS PROVIDED ARE HANDICAP ACCESSIBLE

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TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision descriptions

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

PROJECT DATA

A0.1

2/26/2026 1:17 AM

Reviewed for Code Compliance
With The Florida Building Code
CS, Florida LLC
24-8287

Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Fire Review - Mike Hudkins - NA to Private Provider - 3/27/2026

SPECIFICATIONS

SECTION 01330 - SUBMITTALS

PART 1 - GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES:
  1. SUBMITTAL PROCEDURES PRIOR TO AND DURING CONSTRUCTION.

1.2 PROCESS AND RESPONSIBILITIES
- A. CONTRACTOR RESPONSIBILITIES:
  1. SUBMIT REQUIRED SUBMITTALS TO ARCHITECT UNLESS OTHERWISE SPECIFIED.
  2. ELECTRONIC SUBMITTALS SHALL BE PROCESSED THROUGH EMAIL OF A WEB-BASED PROJECT MANAGEMENT PROGRAM.
  3. COMPLY WITH SUBMITTAL REQUIREMENTS DEFINED WITHIN INDIVIDUAL SECTIONS. SUBMITTALS PROCEDURES DESCRIBED HEREIN SHALL APPLY UNLESS OTHERWISE STATED IN INDIVIDUAL SECTIONS.
  4. PACKAGE EACH SUBMITTAL APPROPRIATELY FOR TRANSMITTAL AND HANDLING.
  5. IDENTIFY PRODUCT, CONTRACTOR, SUBCONTRACTOR OR SUPPLIER; PRODUCT OR ITEMS BEING SUBMITTED; PERTINENT DRAWING SHEET AND DETAIL NUMBERS; AND SPECIFICATION SECTION NUMBER, AS APPLICABLE.
  6. ASSEMBLE COMPLETE AND REVIEW SUBMITTALS OF SUBCONTRACTORS, SUPPLIERS, AND MANUFACTURERS.
  7. REVIEW SUBMITTAL FOR VERIFICATION OF PRODUCTS REQUIRED, FIELD DIMENSIONS, ADJACENT CONSTRUCTION, AND COORDINATION OF INFORMATION.
  8. APPLY CONTRACTOR'S SUBMITTAL REVIEW STAMP, SIGNED OR INITIALED AND DATED, CERTIFYING COMPLIANCE WITH CONTRACT DOCUMENTS.
  9. SCHEDULE SUBMITTALS TO ALLOW FOR REVIEW TIME, COORDINATE SUBMITTALS OF RELATED ITEMS INTO SINGLE SUBMITTAL.
  10. ELECTRONIC SUBMITTALS SHALL BE IN A SINGLE MULTI-PAGE .PDF FILE.
  11. IDENTIFY FINAL TRANSMITTAL OF SUBMITTALS IN THE SUBJECT LINE AS FOLLOWS:
    a. PROJECT NAME, SUBMITTAL NAME (E.G. CONCRETE MIX DESIGN, SIEVE ANALYSIS, ETC), DATE OF SUBMITTAL.
  12. SCHEDULE SUBMITTALS TO EXPEDITE THE PROJECT, COORDINATE SUBMITTAL OF RELATED ITEMS INTO SINGLE SUBMITTAL.
  13. SUBMIT SUBMITTALS ITEMS REQUIRED WITHIN AN INDIVIDUAL SPECIFICATION SECTION INTO A SINGLE SUBMITTAL.
  14. IDENTIFY VARIATIONS FROM CONTRACT DOCUMENTS AND VARIATIONS OF PRODUCT AND WORK-HAVE PAY BE DETRIMENTAL TO SUCCESSFUL PERFORMANCE OF THE COMPLETED WORK.
  15. PROVIDE SPACE ON SUBMITTAL FOR CONTRACTOR, ARCHITECT, AND ARCHITECT'S CONSULTANTS REVIEW STAMPS.
  16. ALLOW TEN (10) WORKING DAYS FOR REVIEW.
  17. REVISE AND RESUBMIT SUBMITTALS AS REQUIRED. IDENTIFY CHANGES MADE SINCE PREVIOUS SUBMITTAL.
  18. NOTIFY VENDOR OR SUBCONTRACTOR OF APPROVAL BY AUTHORITY HAVING JURISDICTION OF DEFERRED SUBMITTAL PACKAGE.
  19. DISTRIBUTE COPIES OF REVIEWED SUBMITTALS TO CONCERNED PARTIES AND TO RECORD DOCUMENTS FILE. INSTRUCT PARTIES TO PROMPTLY REPORT ANY INABILITY TO COMPLY WITH PROVISIONS.
- B. ARCHITECT RESPONSIBILITIES: REVIEW SUBMITTALS AND TAKE APPROPRIATE ACTION AS FOLLOWS.
  1. SHOP DRAWINGS AND PRODUCT DATA: ARCHITECT WILL MARK SUBMITTALS TO INDICATE APPROPRIATE ACTION.
  2. RETURN REVIEWED SUBMITTALS TO CONTRACTOR.
  3. SUBMITTALS FOR INFORMATION: ARCHITECT WILL NOT RETURN SUBMITTALS SENT FOR INFORMATION ONLY.
  4. FORWARD SUBMITTALS TO PROPER SUB-CONSULTANT FOR REVIEW AS NECESSARY.
- C. UN-REQUESTED SUBMITTALS: SUBMITTALS TRANSMITTED TO ARCHITECT OR ARCHITECT'S CONSULTANTS THAT ARE NOT INDICATED OR REQUESTED WILL NOT BE REVIEWED. ARCHITECT WILL DISPOSE OF UN-REQUESTED SUBMITTAL ITEMS.

1.3 TRANSMITTAL
- A. TRANSMIT EACH SUBMITTAL USING A TRANSMITTAL FORM. SUBMIT TO ARCHITECT UNLESS INDICATED OTHERWISE.
- B. IN ADDITION TO RECIPIENTS LISTED ABOVE, SUBMIT SUBMITTALS TO THOSE PARTIES AS THAT BE REQUIRED IN THE INDIVIDUAL SPECIFICATION SECTION.

1.4 DEFERRED SUBMITTALS
- A. DEFERRED SUBMITTALS ARE SUBMITTALS REQUIRED BY THE AHJ FOR CODE COMPLIANCE BUT WHICH, RATHER THAN BEING SUBMITTED AT THE TIME OF PERMIT APPLICATION, HAVE BEEN ALLOWED BY THE AHJ TO BE DEFERRED UNTIL AFTER CONTRACT AWARD TO ENABLE THE SUCCESSFUL CONTRACTOR, SUBCONTRACTOR, OR SUPPLIER TO SUBMIT THE APPLICABLE SUBMITTALS.
- B. SUBMITTALS IN ACCORDANCE WITH REQUIREMENTS STATED IN THE APPLICABLE INDIVIDUAL SPECIFICATIONS SECTIONS AND THE APPLICABLE REQUIREMENTS HEREIN.
- C. PROCESS:
  1. IMMEDIATELY AFTER AWARD OF THE CONTRACT, THE CONTRACTOR SHALL CONTACT THE AHJ TO COORDINATE AND DETERMINE THE AHJ REQUIREMENTS FOR DEFERRED SUBMITTAL DOCUMENTATION OBTAINED SHALL INCLUDE SUCH REQUIREMENTS AS NUMBER OF COPIES, EXTENT OF DETAIL, OF INFORMATION TO BE SUBMITTED FOR REVIEW, IF REQUIRED, BY PROFESSIONAL OF RECORD AND/OR ENGINEER OF RECORD, AND SUBMITTAL PROCESS AND PROCEDURAL REQUIREMENTS.
  2. THE CONTRACTOR, OR OTHER ENTITY, RESPONSIBLE FOR THE SUBMITTAL SHALL SUBMIT, TRACK, AND REPORT SUBMITTAL STATUS THROUGH FINAL APPROVAL AND ISSUE OF PERMIT.
  3. COMPLIANCE WITH VENDORS, SUPPLIERS, AND SUBCONTRACTORS FOR THE AHJ REQUIREMENTS FOR DEFERRED SUBMITTALS. RECEIVE, REVIEW, AND STAMP SUBMITTALS IN ACCORDANCE WITH SUBMITTAL REQUIREMENTS HEREIN.
  4. TRANSMIT DEFERRED SUBMITTALS DIRECTLY TO AHJ UNLESS OTHERWISE REQUESTED BY AHJ TO OBTAIN PRIOR REVIEW AND APPROVAL BY PROFESSIONAL OF RECORD.
  5. UPON APPROVAL BY AHJ, OBTAIN PERMITS AND PAY PERMIT FEES AND OTHER FEES REQUIRED BY THE AHJ.
  6. ATTACH APPROVED DEFERRED SUBMITTALS TO THE APPROVED "PERMIT SET" DOCUMENTS AT THE PROJECT SITE.
  7. DO NOT INSTALL DEFERRED SUBMITTAL UNTIL CORRESPONDING SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE AHJ.

1.5 SUBMITTAL REQUIREMENTS
- A. SHOP DRAWINGS:
  1. SUBMIT DRAWINGS WITH GRAPHIC INFORMATION AT ACCURATE SCALE. SHOW DIMENSIONS AND NOTE HIGH DIMENSIONS ARE BASED ON FIELD MEASUREMENT. IDENTIFY MATERIALS AND PRODUCTS IN WORK SHOWN. INDICATE COMPLIANCE WITH APPLICABLE STANDARDS AND MANUFACTURER RECOMMENDATIONS. DO NOT USE REPRODUCTIONS OF CONTRACT DRAWINGS AS SHOP DRAWINGS.
  2. INCLUDE ON EACH SHOP DRAWING THE DRAWING TITLE, NUMBER, ORIGINAL ISSUE DATE, AND REVISION NUMBERS AND DATES. IN ADDITION TO OTHER REQUIRED CONTENT, DRAWINGS SHALL CONTAIN THE FOLLOWING INFORMATION:
  3. IDENTIFY DETAILS BY REFERENCE TO SHEET, DETAIL, SCHEDULE, OR ROOM NAMES SHOWN ON THE CONTRACT DRAWINGS.
  4. IDENTIFY NUMERICAL VALUES IN ENGLISH UNITS
  5. SIZE: NOT LESS THAN 8-1/2 BY 11 INCHES NOR MORE THAN 30 BY 42 INCHES.
  6. NUMBER OF COPIES REQUIRED.
    a. FOR NON-MATERIAL SUBMITTALS, SUBMIT ONE ELECTRONIC FILE IN ADOBE .PDF FORMAT WITHOUT RESTRICTIONS TO PRINT AND/OR COPYMENT ELECTRONICALLY.
    b. FOR MATERIAL OR COLOR SELECTIONS, SUBMIT ONE COPY FOR REVIEW. UPON APPROVAL, PROVIDE ONE EACH FOR THE CONTRACTOR'S AND ONE FOR THE OWNER'S RECORDS.
- B. PRODUCT DATA:
  1. MANUFACTURER'S STANDARD SCHEMATIC DRAWINGS AND DIAGRAMS.
    a. CLEARLY MARK TO IDENTIFY PERTINENT PRODUCTS.
    b. SHOW PERFORMANCE CHARACTERISTICS AND CAPACITIES.
    c. SHOW DIMENSIONS AND CLEARANCES REQUIRED.
    d. SHOW WIRING OR PIPING DIAGRAMS AND CONTROLS.
    e. MODIFY DRAWINGS AND DATA TO DELETE INFORMATION NOT APPLICABLE TO THIS WORK.
    f. SUPPLEMENT STANDARD DRAWINGS AND DIAGRAMS TO PROVIDE COMPLETE INFORMATION APPLICABLE TO THIS WORK.
  2. WHERE EACH COPY TO IDENTIFY APPLICABLE PRODUCTS, MODELS, OPTIONS, AND OTHER DATA. SUPPLEMENT PRODUCT DATA WITH MATERIAL SPECIFICALLY PREPARED FOR THE WORK TO SATISFY SUBMITTAL REQUIREMENTS FOR WHICH PRODUCT DATA DOES NOT EXIST. INCLUDE THAT DATA AS DEVELOPED SPECIFICALLY FOR THIS CONTRACT.
  3. PREPARE SUBMITTAL DATA FOR EACH SPECIFICATION SECTION. BOUND VOLUME INCLUDE TABLE OF CONTENTS LISTING PAGE AND SECTION NUMBERS FOR PRODUCT DATA.
  4. INDICATE, BY PROMINENT CONTRASTING COLOR NOTATION ON EACH PRODUCT BEING SUBMITTED, THE SPECIFICATIONS SECTION AND PARAGRAPH NUMBERS TO WHICH IT PERTAINS.
  5. WHERE PRINTED PRODUCT DATA INCLUDES INFORMATION ON SEVERAL PRODUCTS, SOME OF WHICH ARE NOT REQUIRED, MARK COPIES TO INDICATE INFORMATION APPLICABLE TO WORK AND CLEARLY CROSS OUT OTHER INFORMATION NOT APPLICABLE TO WORK. INCLUDE THE FOLLOWING INFORMATION:
    a. MANUFACTURER'S PRINTED RECOMMENDATIONS OR INSTRUCTIONS.
    b. COMPLIANCE WITH REFERENCED STANDARDS.
    c. APPLICATION OF TESTING LABORATORIES AND SEALS.
    d. NOTATION OF DIMENSIONS VERIFIED BY FIELD MEASUREMENT.
    e. NOTATION OF COORDINATION REQUIREMENTS.
  6. PRODUCT DATA FOR INFORMATION: WRITTEN INFORMATION NOT REQUIRING ACTION BY OWNER OR ARCHITECT, FOR VERIFICATION OF COMPLIANCE WITH REQUIREMENT. SUBMITTAL NOT COMPLYING WITH REQUIREMENTS WILL BE REJECTED.
  7. NUMBER OF COPIES REQUIRED: FOUR.
- C. ENGINEERING CALCULATIONS:
  1. CALCULATIONS SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE PROJECT IS LOCATED. COMPLY WITH REQUIREMENTS OF AUTHORITY HAVING JURISDICTION WITH REGARD TO SIGNING AND SEALING OF SUBMITTALS.
- D. CERTIFICATIONS:
  1. CERTIFY MANUFACTURER'S OR INSTALLER'S QUALIFICATIONS, COMPLIANCE WITH TESTS OR SPECIFIED CRITERIA, OR OTHER FACTORS AS REQUIRED IN INDIVIDUAL SPECIFICATION SECTIONS.
  2. SUBMIT SUPPORTING REFERENCE DATA, AFFIDAVITS, AND CERTIFICATIONS AS REQUIRED.

PART 2 - PRODUCTS
- NOT USED.

PART 3 - EXECUTION
- NOT USED.

END OF SECTION 01330

SECTION 02361 - TERMITE PROTECTION

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS
- A. SUBMITTALS: PRODUCT DATA AND PRODUCT CERTIFICATES SIGNED BY MANUFACTURER CERTIFYING THAT PRODUCTS USED COMPLY WITH U.S. EPA REGULATIONS FOR TERMITICIDES. INCLUDE APPLICATION INSTRUCTIONS AND A EPA-REGISTERED LABEL.
- B. ENGAGE A LICENSED PROFESSIONAL PEST CONTROL OPERATOR TO APPLY TERMITE CONTROL SOLUTION.

PART 2 - PRODUCTS

2.1 TERMITICIDES
- A. PROVIDE AN EPA-REGISTERED TERMITICIDE COMPLYING WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION, IN A SOLUBLE OR EMULSIBLE, CONCENTRATED FORMULATION THAT DILUTES WITH WATER OR FOAMING AGENT. USE ONLY SOIL TREATMENT SOLUTIONS THAT ARE NOT HARMFUL TO PLANTS, PROVIDE QUANTITY REQUIRED FOR APPLICATION AT THE LABEL VOLUME AND RATE FOR THE MAXIMUM TERMITICIDE CONCENTRATION ALLOWED FOR EACH SPECIFIC USE, ACCORDING TO THE PRODUCT'S EPA-REGISTERED LABEL.

PART 3 - EXECUTION

3.1 INSTALLATION
- A. PREPARE SURFACES AND APPLY TREATMENT AT RATES AND CONCENTRATIONS RECOMMENDED IN MANUFACTURER'S WRITTEN INSTRUCTIONS.
- B. APPLY TERMITE CONTROL TO THE FOLLOWING:
  1. AT FOUNDATIONS).
  2. UNDER CONCRETE FLOOR SLABS ON GRADE.
  3. AT HOLLOW MASONRY
  4. AT EXPANSION AND CONTROL JOINTS AND SLAB PENETRATIONS.
  5. TREAT ADJACENT AREAS INCLUDING AROUND ENTRANCE PLATFORM AND EQUIPMENT BASES. APPLY OVERALL TREATMENT ONLY WHERE ATTACHED CONCRETE PLATFORM ARE ON FILL OR GROUND.
- C. POST WARNING SIGNS IN AREAS OF APPLICATION.
- D. REAPPLY SOIL TERMITICIDE TREATMENT SOLUTION TO AREAS DISTURBED BY SUBSEQUENT EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES FOLLOWING APPLICATION.

END OF SECTION 02361

SECTION 02751 - CONCRETE PAVEMENT

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS
- A. SUBMITTALS- PRODUCT DATA, DESIGN MIXES FOR CONCRETE, LABORATORY TEST REPORTS.
- B. COMPLY WITH ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE."

PART 2 - PRODUCTS

2.1 MATERIALS
- A. REINFORCING BARS: ASTM A 615/A 615M, GRADE 60 (GRADE 420), DEFORMED.
- B. WELDED STEEL WIRE FABRIC: ASTM A 185, FLAT SHEETS NOT ROLLS.
- C. AIR-ENTRAINING ADMIXTURE: ASTM C 260.
- D. CHEMICAL ADMIXTURES: ASTM C 494. CALCIUM CHLORIDE SHALL NOT BE USED.
- E. LIQUID MEMBRANE-FORMING CURING COMPOUND: ASTM C 309, CLEAR, TYPE I, CLASS B, WATERBORNE.
- F. PAVEMENT-MARKING PAINT: FS TT-P-1952, LATEX, WATER-BASE EMULSION.

2.2 MIXES
- A. PROPORTION NORMAL-WEIGHT CONCRETE MIXES TO PROVIDE THE FOLLOWING PROPERTIES:
  1. COMPRESSIVE STRENGTH: 3000 PSI (20.7 MPA) AT 28 DAYS.
  2. SLUMP LIMIT: 4 INCHES (100 MM) AT POINT OF PLACEMENT.
  3. W/C RATIO: 0.45 MAXIMUM AT POINT OF PLACEMENT.
  4. AIR CONTENT: 5.5 TO 7.0 PERCENT.

PART 3 - EXECUTION

3.1 PAVING
- A. ACCURATELY POSITION AND SUPPORT REINFORCEMENT, AND SECURE AGAINST DISPLACEMENT.
- B. LOCATE AND INSTALL CONSTRUCTION, CONTRACTION, ISOLATION, AND EXPANSION JOINTS AS INDICATED OR REQUIRED.
- C. PLACE CONCRETE IN A CONTINUOUS OPERATION WITHIN PLANNED JOINTS OR SECTIONS. DO NOT ADD WATER TO ADJUST SLUMP.
- D. FLOAT SURFACES TO TRUE PLANES WITHIN A TOLERANCE OF 1/4 INCH IN 10 FEET (1:480) AND MEDIUM-TO-COARSE-TEXTURED BROOM FINISH.
- E. TOOL EDGES AND JOINTS TO A RADIUS OF 3/8 INCH (9.5 MM).
- F. BEGIN CURING AFTER FINISHING CONCRETE. APPLY MEMBRANE-FORMING CURING COMPOUND TO CONCRETE.
- G. APPLY TRAFFIC PAINT WITH MECHANICAL EQUIPMENT TO A MINIMUM WET FILM THICKNESS OF 15 MILS (0.4 MM).
- H. OWNER WILL EMPLOY A TESTING AGENCY TO SAMPLE CONCRETE, PERFORM TESTS, AND SUBMIT TEST REPORTS DURING CONCRETE PLACEMENT.
  1. GENERAL CONTRACTOR AND REPLACE CONCRETE PAVING THAT IS BROKEN, DAMAGED, OR DEFECTIVE. EXCLUDE TRAFFIC FROM PAVING FOR AT LEAST 14 DAYS.

END OF SECTION 02751

SECTION 06100 - ROUGH CARPENTRY

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS
- A. SUBMITTALS: MODEL CODE EVALUATION REPORTS FOR ENGINEERED WOOD PRODUCTS, FOAM-PLASTIC SHEATHING, AND FIRE-RETARDANT-TREATED WOOD.

PART 2 - PRODUCTS

2.1 LUMBER, GENERAL
- A. DRESSED LUMBER, S4S, 15 PERCENT MAXIMUM MOISTURE CONTENT FOR 2-INCH (38-MM) THICKNESS OR LESS, MARKED WITH GRADE STAMP OF INSPECTION AGENCY.

2.2 TREATED MATERIALS
- A. PRESERVATIVE-TREATED MATERIALS: AWPA C2 LUMBER AND AWPA C9 PLYWOOD, LABELED BY AN INSPECTION AGENCY APPROVED BY ALSC'S BOARD OF REVIEW. AFTER TREATMENT, KILN-DRY LUMBER AND PLYWOOD TO M AND 19 PERCENT MOISTURE CONTENT. PRESERVATIVE-TREATED WOOD SHALL BE AS FOLLOWS:
  1. WOOD MEMBERS IN CONNECTION WITH ROOFING, FLASHING, VAPOR BARRIERS, AND WATERPROOFING.
  2. CONCEALED MEMBERS IN EXTERIOR WALLS OR PARTITIONS, PLATES ABOVE TEMPERATURE AND RELATIVE HUMIDITY WITHIN LIMITS REQUIRED BY TYPE OF PANEL ADHESIVE USED AND RECOMMENDATION OF PANEL ADHESIVE MANUFACTURER.
  3. WOOD MEMBERS EXPOSED TO WEATHER AND NOT PAINTED OR OTHERWISE COVERED.
  4. WOOD FURRING, BASES, OR BLOCKING SET ON OR OVER CONCRETE SLABS DIRECTLY IN CONTACT WITH EARTH.
  5. WOOD FLOOR PLATES WHERE INSULATING CONCRETE FORMS ARE INSTALLED ON CONCRETE SLABS.
- B. FIRE-RETARDANT-TREATED MATERIALS: AWPA C20 LUMBER AND AWPA C27 PLYWOOD, INTERIOR TYPE A TREATMENT, LABELED BY A TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
  1. USE FIRE-TREATED LUMBER AND PLYWOOD WITH BENDING STRENGTH, STIFFNESS, AND FASTENER-HOLDING CAPACITIES AS SPECIFIED FOR USE IN UNTREATED LUMBER AND PLYWOOD WHERE ADJUSTED FOR EFFECTS OF FIRE-RETARDANT TREATMENT AND ELEVATED TEMPERATURE AND HUMIDITY CONDITIONS.

2.3 LUMBER
- A. DIMENSION LUMBER: GRADES STAMPED BY NORTHERN SPECIES INSPECTION AGENCY INDICATED. SELECT ONE GRADE REQUIREMENT AND ONE OR MORE SPECIES GROUP IN SUBPARAGRAPHS BELOW FOR EACH APPLICATION DEPENDING ON AVAILABILITY AND SUITABILITY FOR PROJECT. DESIGNATE LOAD-BEARING MEMBERS WHERE APPLICABLE.
  1. NON-LOAD-BEARING INTERIOR PARTITIONS: CONSTRUCTION, STUD, OR NO. 3.
  2. FRAMING OTHER THAN NON-LOAD-BEARING PARTITIONS: CONSTRUCTION, STUD, OR NO. 2.
- B. CONCEALED BOARDS: A PERCENT MAXIMUM MOISTURE CONTENT. EASTERN SOFTWOODS: NO. 3 COMMON PER NELMA RULES.
- C. MISCELLANEOUS LUMBER: NO. 3 OR STANDARD GRADE OF ANY SPECIES FOR NAILERS, BLOCKING, AND SIMILAR MEMBERS.

2.4 ENGINEERED WOOD PRODUCTS
- A. ENGINEERED WOOD PRODUCTS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION AND WITH ALLOWABLE DESIGN STRESSES, AS PUBLISHED BY MANUFACTURER, THAT MEET OR EXCEED THOSE INDICATED. MANUFACTURER'S PUBLISHED VALUES SHALL BE DEMONSTRATED BY COMPARISON TO TESTING.
- B. LAMINATED-VENEER LUMBER: LAMINATED WITH AN EXTERIOR-TYPE ADHESIVE COMPLYING WITH ASTM D 2559, WITH GRAIN OF VENEERS PARALLEL TO THE LENGTH OF MEMBERS.
  1. EXTREME FIBER STRESS IN BENDING: 2500 PSI (17 MPA) FOR 1C-INCH NOMINAL- (286-MM ACTUAL-) DEPTH MEMBERS.
  2. MODULUS OF ELASTICITY: 2,000,000 PSI (13 800 MPA) THROUGH THICKNESS OF PRODUCT ABOVE AND BELOW ARE BASED ON PRODUCTS OF ONE MANUFACTURER. VERIFY ADEQUACY AND LOCAL AVAILABILITY BEFORE RETAINING. REVISE AS SUBMITTAL TRANSMITTED
- C. PARALLEL-STRAND LUMBER: LAID UP FROM WOOD STRANDS WITH EXTERIOR-TYPE ADHESIVE COMPLYING WITH ASTM D 2559,WITH GRAIN OF STRANDS PARALLEL TO THEIR LENGTHS.
  1. EXTREME FIBER STRESS IN BENDING: 2900 PSI (20 MPA) FOR 12-INCH NOMINAL- (286-MM ACTUAL-) DEPTH MEMBERS.
  2. MODULUS OF ELASTICITY: 2,000,000 PSI (13 800 MPA).

2.5 PANEL PRODUCTS
- A. WOOD-BASED STRUCTURAL-USE PANELS: DOC PS 2. PROVIDE PLYWOOD COMPLYING WITH DOC PS 1, WHERE PLYWOOD IS INDICATED.
  1. FACTORY MARK PANELS TO SHOW GRADE AND MOISTURE CONTENT. FACTORY MARK PANELS ACCORDING TO APA REQUIREMENTS.
  2. PROVIDE PANELS WITH SPAN RATINGS REQUIRED BY SUPPORT SPACING INDICATED.
  3. WALL SHEATHING: APA-RATED STRUCTURAL I SHEATHING, EXPOSURE 1.
  4. ROOF SHEATHING: APA-RATED STRUCTURAL I SHEATHING, EXTERIOR.

2.6 MISCELLANEOUS PRODUCTS
- A. AIR-INFILTRATION BARRIER: ASTM D 226, TYPE I, NO. 15 ASPHALT FELT, UNPERFORATED OR POLYOLEFIN MATERIAL COMPLYING WITH ASTM E 1677, WITH AIR PERMEANCE NOT EXCEEDING 0.02 L/S/SQ. M AT 75 PA (0.004 CFM/SQ. FT. AT 1.57 PSF).
- B. FASTENERS: SIZE AND TYPE INDICATED. WHERE ROUGH CARPENTRY IS EXPOSED TO WEATHER, IN GROUND CONTACT, OR IN AREA OF HIGH RELATIVE HUMIDITY, PROVIDE FASTENERS WITH A HOT-DIP ZINC COATING PER ASTM A 153 OR OF TYPE 304 STAINLESS STEEL.
  1. POWER-DRIVEN FASTENERS: CABO NER-272.
  2. BOLTS: STEEL BOLTS COMPLYING WITH ASTM A 307, GRADE A (ASTM F 568, PROPERTY CLASS 4.6), WITH ASTM A 563 (ASTM A 563M) HEX NUTS AND, WHERE INDICATED, FLAT WASHERS.
- C. METAL FRAMING ANCHORS: HOT-DIP GALVANIZED STEEL OF STRUCTURAL CAPACITY, TYPE, AND SIZE INDICATED.
- D. BULL-SEALON: GLASS-FIBER BATT INSULATION 4 INCH (102 MM) THICK, COMPRESSIBLE TO 1/2 INCH (13 MM).
- E. ADHESIVES FOR FIELD GLUING PANELS TO FRAMING: APA AFG-01.

PART 3 - EXECUTION

3.1 INSTALLATION
- A. INSTALL ROUGH CARPENTRY TO OTHER CONSTRUCTION; SCRIBE AND COPE FOR ACCURATE FIT. CORRELATE LOCATION OF FURRING, BLOCKING, AND SIMILAR SUPPORTS TO ALLOW ATTACHMENT OF OTHER CONSTRUCTION.
- B. SECURELY ATTACH ROUGH CARPENTRY TO BACKING AND TO ANCHORAGE AND NAILING AS INDICATED, COMPLYING WITH THE FOLLOWING:
  1. CABO NER-272 FOR POWER-DRIVEN STAPLES, P-NAILS, AND ALLIED FASTENERS.
  2. PUBLISHED REQUIREMENTS OF METAL FRAMING ANCHOR MANUFACTURER.

END OF SECTION 06100

SECTION 06640 - FIBERGLASS REINFORCED PLASTIC (FRP)

PART 1 - GENERAL

1.1 SUMMARY
- A. SECTION INCLUDES FIBERGLASS REINFORCED PLASTIC (FRP) PANELING FOR WALL AND CEILING SURFACES, INCLUDING TRIM ACCESSORIES.

1.2 REFERENCES
- A. GENERAL: STANDARDS LISTED BY REFERENCE FORM A PART OF THIS SPECIFICATION SECTION. STANDARDS LISTED ARE IDENTIFIED BY ISSUING AUTHORITY, STANDARD DESIGNATION, TITLE OTHER STANDARDS REFERENCED IN THESE STANDARDS ARE SUBSEQUENTLY REFERENCED IN THIS SECTION ARE REFERRED TO BY ISSUING AUTHORITY ABBREVIATION AND STANDARD DESIGNATION.
- B. ASTM INTERNATIONAL:
  1. ASTM D256 - STANDARD TEST METHODS FOR DETERMINING THE IZOD PENDULUM IMPACT RESISTANCE OF PLASTICS.
  2. ASTM D570 - STANDARD TEST METHOD FOR WATER ABSORPTION OF PLASTICS.
  3. ASTM D638 - STANDARD TEST METHOD FOR TENSILE PROPERTIES OF PLASTICS.
  4. ASTM D2583 - STANDARD TEST METHOD FOR INDENTATION HARDNESS OF RIGID PLASTICS BY MEANS OF A BARCOL IMPRESSOR.
  5. ASTM D638 - STANDARD SPECIFICATION FOR GLASS-FIBER REINFORCED POLYESTER WALL AND CEILING PANELS.
  6. ASTM E84 - STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS

1.3 ADMINISTRATIVE REQUIREMENTS
- A. PRENSTALLATION MEETINGS: CONDUCT PRENSTALLATION MEETING TO CLARIFY PROJECT REQUIREMENTS. INSPECTION CONDITIONS, MANUFACTURER'S INSTALLATION INSTRUCTIONS AND MANUFACTURER'S WARRANTY REQUIREMENTS.

1.4 ACTION SUBMITTALS
- A. PRODUCT TECHNICAL DATA: FOR EACH TYPE OF PRODUCT REQUIRED.
- B. SHOP DRAWINGS: SHOWING LAYOUT, PROFILES, AND PRODUCT COMPONENTS, INCLUDING ANCHORAGE, ACCESSORIES, FINISH COLORS, PATTERNING AND TEXTURES. INDICATE LOCATION AND DIMENSION OF JOINTS AND FASTENER ATTACHMENT SYMBOLS. SELECTION AND VERIFICATION SAMPLES FOR FINISHES, COLORS AND TEXTURES. SUBMIT TWO SAMPLES OF EACH TYPE OF PANEL, TRIM AND FASTENER.
- C. CERTIFICATES: PRODUCT CERTIFICATES SIGNED BY MANUFACTURER CERTIFYING MATERIALS COMPLY WITH SPECIFIED PERFORMANCE CHARACTERISTICS, CRITERIA AND PHYSICAL REQUIREMENTS.
- D. TEST REPORTS: BASED ON EVALUATION OF TESTS FOR SPECIFIED PERFORMANCE CHARACTERISTICS AND PHYSICAL PROPERTIES.
- E. MANUFACTURER'S INSTRUCTIONS: MANUFACTURER'S INSTALLATION GUIDE FOR FRP WATH.
- F. QUALIFICATIONS STATEMENTS FOR MANUFACTURER AND INSTALLER.

1.5 CLOSEOUT SUBMITTALS
- A. OPERATION AND MAINTENANCE DATA: FOR INSTALLED PRODUCTS INCLUDING MAINTENANCE METHODS AND PRECAUTIONS AGAINST CLEANING MATERIALS AND METHODS DETRIMENTAL TO FINISHES AND PERFORMANCE.
- B. WARRANTY: WARRANTY DOCUMENTS REQUIRED IN THIS SECTION

1.6 QUALITY ASSURANCE
- A. MANUFACTURER QUALIFICATIONS:
  1. PROVIDER OF ADVANCED INSTALLER TRAINING.
- B. INSTALLER QUALIFICATIONS:
  1. AT LEAST FIVE YEARS EXPERIENCE IN THE INSTALLATION OF FIBERGLASS REINFORCED PLASTIC PANELS.
  2. EXPERIENCE ON AT LEAST FIVE PROJECTS OF SIMILAR SIZE, TYPE AND COMPLEXITY AS THIS PROJECT.
  3. EMPLOYER OF WORKERS FOR THIS PROJECT WHO ARE COMPETENT IN TECHNIQUES REQUIRED BY MANUFACTURER FOR INSTALLATION INDICATED.
- C. SURFACE-BURNING CHARACTERISTICS: DETERMINED BY TESTING IDENTICAL PRODUCTS ACCORDING TO ASTM E84 BY A TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
  1. FLAME-SPREAD INDEX: 25 (CLASS A) OR LESS.
  2. SMOKE-DEVELOPED INDEX: 450 OR LESS.

1.7 DELIVERY, STORAGE AND HANDLING
- A. DELIVERY: DELIVER MATERIALS IN MANUFACTURER'S ORIGINAL, UNOPENED, UNDAMAGED CONTAINERS WITH IDENTIFICATION LABELS INTACT. PACKAGE SHEETS ON SKIDS OR PALLETS FOR SHIPMENT TO PROJECT SITE.
- B. STORAGE AND HANDLING: STORE MATERIALS PROTECTED FROM EXPOSURE TO HARMFUL WEATHER CONDITIONS AND AT TEMPERATURE AND HUMIDITY CONDITIONS RECOMMENDED BY MANUFACTURER. STORE PANELS IN A DRY INDOOR LOCATION AT PROJECT SITE. REMOVE ANY FOREIGN MATTER FROM FACE OF PANEL BY USING A SOFT BRISTLE BRUSH, AVOIDING ABRASIVE ACTION.

1.8 PROJECT CONDITIONS
- A. AMBIENT CONDITIONS:
  1. DO NOT BEGIN INSTALLATION UNTIL BUILDING IS ENCLOSED, PERMANENT HEATING AND COOLING EQUIPMENT IS IN OPERATION, AND RESIDUAL MOISTURE FROM PLASTER, CONCRETE OR TERRAZZO WORK HAS DISSIPATED.
  2. DURING INSTALLATION AND CURING PERIOD, MAINTAIN 65 HOURS PRIOR TO INSTALLATION, MAINTAIN AMBIENT TEMPERATURE AND RELATIVE HUMIDITY WITHIN LIMITS REQUIRED BY TYPE OF PANEL ADHESIVE USED AND RECOMMENDATION OF PANEL ADHESIVE MANUFACTURER.

1.9 WARRANTY
- A. MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR OR REPLACE FRP PANELS THAT FAIL WITHIN SPECIFIED WARRANTY PERIOD.
  1. FAILURES SHALL INCLUDE, BUT NOT BE LIMITED TO SUBSTANTIAL DEFECTS IN MATERIAL AND WORKMANSHIP, ROTTING, RUSTING, CORROSION, DEVELOPMENT OF STRUCTURAL SURFACE CRACKS, OR REQUIRING PAINTING OR REFINISHING.
  2. WARRANTY PERIOD: ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
- B. INSTALLER'S STANDARD FORM IN WHICH INSTALLER AGREES TO REPAIR OR REPLACE FRP PANELS THAT FAIL DUE TO POOR WORKMANSHIP OR FAULTY INSTALLATION WITHIN SPECIFIED WARRANTY PERIOD.
  1. WARRANTY PERIOD: ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.

PART 2 PRODUCTS

2.1 FIBERGLASS REINFORCED PLASTIC (FRP) PANELS
- A. GENERAL: FIBERGLASS REINFORCED PLASTIC PANELS COMPLYING WITH ASTM D6319 AS SCHEDULED ON DRAWINGS.

2.2 ACCESSORIES
- A. MOLDINGS: PVC PATTERN-MATCHED TO PANEL.
- B. PANEL ADHESIVE: AS RECOMMENDED BY PANEL MANUFACTURER FOR THE REQUIRED SUBSTRATES.

2.3 SOURCE QUALITY CONTROL
- A. OBTAIN FIBERGLASS

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
24-6289

Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Fire Review - Mike Hudkins - NA to Private Provider - 3/27/2026

SPECIFICATIONS

SECTION 07500 - SINGLE-PLY ROOFING (TPO)

PART 1 - GENERAL

1.1 **SECTION REQUIREMENTS**
- A. THERMOPLASTIC MEMBRANE ROOFING SYSTEM, INCLUDING ALL COMPONENTS SPECIFIED.
- B. COMPLY WITH THE PUBLISHED RECOMMENDATIONS AND INSTRUCTIONS OF THE ROOFING MEMBRANE MANUFACTURER, AT HTTP://MANUAL.FSBP.COM.
- C. SUPERVISION OF WORK BY CONTRACTOR'S EMPLOYEES WHO HAVE BEEN TRAINED BY CONTRACTOR THAT THIS SPECIFICATION CAN BE SATISFACTORILY EXECUTED, UNDER THE PROJECT CONDITIONS AND WITH ALL NECESSARY PREREQUISITES FOR WARRANTY AS REQUIRED BY ROOFING MEMBRANE MANUFACTURER. NO MODIFICATION OF THE CONTRACT SUM WILL BE MADE FOR FAILURE TO ADEQUATELY SUPERVISE THE CONTRACT EMPLOYEES OF THE PROJECT CONDITIONS.

1.2 **RELATED REQUIREMENTS**
- SECTION 06100 - ROUGH CARPENTRY: WOOD NAILERS ASSOCIATED WITH ROOFING AND ROOF INSULATION.

1.3 **REFERENCE STANDARDS**
- A. ASTM C177/C177M - STANDARD SPECIFICATION FOR GLASS MAT GYPSUM SUBSTRATE FOR USE AS SHEATHING; 2013.
- B. ASTM C1289 - STANDARD SPECIFICATION FOR FACED RIGID CELLULAR POLYISOCYANURATE THERMAL INSULATION BOARD; 2014.
- C. ASTM C1549 - STANDARD TEST METHOD FOR DETERMINATION OF SOLAR REFLECTANCE NEAR AMBIENT TEMPERATURE USING A PORTABLE SOLAR REFLECTOMETER; 2009 (REAPPROVED 2016).
- D. ASTM D638 - STANDARD TEST METHOD FOR TENSILE PROPERTIES OF PLASTICS; 2010.
- E. ASTM D1004 - STANDARD TEST METHOD FOR INITIAL TEAR RESISTANCE OF PLASTIC FILM AND SHEETING; 2013.
- F. ASTM D6878/D6878M1 - STANDARD SPECIFICATION FOR THERMOPLASTIC POLYOLEFIN BASED SHEET ROOFING; 2013.
- G. FM DS 1-28 - WIND DESIGN FACTOR FOR ROOF SYSTEMS; 2009.
- H. FM DS 1-29 - ROOF DECK SECUREMENT AND ABOVE-DECK ROOF COMPONENTS; FACTORY MUTUAL SYSTEM; 2006.
- I. FS 1 - STRUCTURAL PLYWOOD; 2009.
- J. FS 20 - AMERICAN WOOD LUMBER STANDARD; 2010.
- K. SPRI ES-1 - WIND DESIGN STANDARD FOR EDGE SYSTEMS USED WITH LOW SLOPE ROOFING SYSTEMS; 2011. (ANSI/SPRI/FM 4435/ES-1)

1.4 **SUBMITTALS**
- A. PRODUCT DATA:
  1. PROVIDE MEMBRANE MANUFACTURER'S PRINTED DATA SUFFICIENT TO SHOW THAT ALL COMPONENTS OF ROOFING SYSTEM, INCLUDING INSULATION AND FASTENERS, COMPLY WITH THE SPECIFIED REQUIREMENTS AND WITH THE MEMBRANE MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS FOR THE SYSTEM TYPE SPECIFIED; INCLUDE DATA FOR EACH PRODUCT USED IN CONJUNCTION WITH ROOFING MEMBRANE.
- B. SAMPLES: SUBMIT SAMPLES OF EACH PRODUCT TO BE USED.
- C. SHOP DRAWINGS: PROVIDE:
  1. THE ROOF MEMBRANE MANUFACTURER'S STANDARD DETAILS CUSTOMIZED FOR THIS PROJECT FOR ALL RELEVANT CONDITIONS, INCLUDING FLASHINGS, BASE TIE-INS, ROOF EDGES, TERMINATIONS, EXPANSION JOINTS, PENETRATIONS, AND DRAINS.

1.5 **QUALITY ASSURANCE**
- A. INSTALLER QUALIFICATIONS: ROOFING INSTALLER SHALL HAVE THE FOLLOWING:
  1. CURRENT FIRESTONE RED SHIELD LICENSED CONTRACTOR STATUS.

1.6 **DELIVERY, STORAGE AND HANDLING**
- A. DELIVER PRODUCTS IN MANUFACTURER'S ORIGINAL CONTAINERS, DRY AND UNDAMAGED, WITH SEALS AND LABELS INTACT AND LEGIBLE.
- B. STORE MATERIALS CLEAR OF GROUND AND MOISTURE WITH WEATHER PROTECTIVE COVERING.
- C. KEEP COMBUSTIBLE MATERIALS AWAY FROM IGNITION SOURCES.

PART 2 - PRODUCTS

2.1 **MANUFACTURERS**
- A. ACCEPTABLE MANUFACTURER - ROOFING SYSTEM: FIRESTONE BUILDING PRODUCTS LLC, CARMEL, IN. WWW.FIRESTONEBPCO.COM.
- B. MANUFACTURER OF INSULATION AND COVER BOARDS: SAME MANUFACTURER AS ROOF MEMBRANE.
- C. MANUFACTURER OF METAL ROOF EDGING: SAME MANUFACTURER AS ROOF MEMBRANE.
- D. FACTORY FABRICATED PRODUCTS THAT MEET THE REQUIREMENTS LISTED BELOW ARE ACCEPTABLE PROVIDED THEY ARE COMPLETELY EQUIVALENT IN MATERIALS AND PERFORMANCE:
  a. METAL-EDGE.

2.2 **ROOFING SYSTEM DESCRIPTION**
- A. ROOFING SYSTEM: THERMOPLASTIC POLYOLEFIN (TPO) SINGLE-PLY MEMBRANE.
  1. MEMBRANE ATTACHMENT: MECHANICALLY FASTENED.
  2. WARRANTY: FULL SYSTEM WARRANTY FOR 20 YEAR NO DEDUCT SINGLE SOURCE WARRANTY MEMBRANE, ROOF INSULATION, AND MEMBRANE ACCESSORIES.
  3. COMPLY WITH APPLICABLE LOCAL BUILDING CODE REQUIREMENTS - FLORIDA PRODUCT APPROVAL FL 6026 R-12 SYSTEM SC 917
  4. PROVIDE ASSEMBLY COMPLYING WITH UNDERWRITERS LABORATORIES, INC. (UL) CLASS A FIRE HAZARD CLASSIFICATION.
  5. PROVIDE ASSEMBLY COMPLYING WITH FACTORY MUTUAL CORPORATION (FM) ROOF ASSEMBLY CLASSIFICATION, FM DS 1-28 AND 1-29, AND HAVING WIND UPLIFT RESISTANCE RATING OF 1-90 OR GREATER.
- B. ROOFING SYSTEM COMPONENTS: LISTED IN ORDER FROM THE TOP OF THE ROOF DOWN:
  1. MEMBRANE: THICKNESS AS SPECIFIED.
  2. INSULATION COVER BOARD: GYPSUM-BASED BOARD, 1/2 INCH (12.7MM) THICK; MECHANICALLY FASTENED.
  3. INSULATION:
     a. MAXIMUM BOARD THICKNESS: 3-1/8 INCHES; USE AS MANY LAYERS AS NECESSARY; STAGGER JOINTS IN ADJACENT LAYERS.
     b. TOTAL R-VALUE OF 23, MINIMUM.
     c. BOTTOM LAYER: POLYISOCYANURATE FOAM BOARD, NON-COMPOSITE, LOOSE-LAID, NO ATTACHMENT.
     d. CRICKETS: TAPERED INSULATION AS INDICATED ON ROOF PLAN; SLOPE AS INDICATED.

2.3 **MEMBRANE MATERIALS**
- A. MEMBRANE: FLEXIBLE, HEAT WELDABLE SHEET COMPOSED OF THERMOPLASTIC POLYOLEFIN POLYMER AND ETHYLENE PROPYLENE RUBBER; COMPLYING WITH ASTM D6878/D6878M, WITH POLYESTER KEPT INSERTED REINFORCEMENT AND THE FOLLOWING AUTOGENOUS SURFACE LAYERS:
  1. THICKNESS: 0.060 INCH (1.52 MM) PLUS/MINUS 10 PERCENT, WITH COATING THICKNESS OVER REINFORCEMENT OF 0.024 INCH (0.61 MM) PLUS/MINUS 10 PERCENT.
  2. COLOR: WHITE (FIELD OF ROOF AREA)
  3. COLOR: GRAY (PARAPET WALL AREAS)
  4. ACCEPTABLE PRODUCT: ULTRAPLY TPO BY FIRESTONE.
- B. MEMBRANE FASTENERS: TYPE AND SIZE AS REQUIRED BY ROOF MEMBRANE MANUFACTURER FOR ROOFING SYSTEM AND WARRANTY TO BE PROVIDED; USE ONLY FASTENERS FURNISHED BY ROOF MEMBRANE MANUFACTURER.
- C. CURB AND PARAPET FLASHING: SAME MATERIAL AS MEMBRANE (TAN IN COLOR), WITH ENCAPSULATED EDGE WHICH ELIMINATES NEED FOR BAR STOCK AND TERMINATION MASTIC.
- D. FORMABLE FLASHING: NON-REINFORCED, FLEXIBLE, HEAT WELDABLE SHEET, COMPOSED OF THERMOPLASTIC POLYOLEFIN POLYMER AND ETHYLENE PROPYLENE RUBBER; AS FOLLOWS:
  1. THICKNESS: 0.060 INCH (1.52 MM) PLUS/MINUS 10 PERCENT.
  2. COLOR: WHITE.
  3. ACCEPTABLE PRODUCT: ULTRAPLY TPO FLASHING BY FIRESTONE.
- E. TAPE FLASHING: 5-1/2 INCH (140 MM) NOMINAL WIDE TPO MEMBRANE LAMINATED TO CURED RUBBER POLYMER SEALING TAPE, OVERALL THICKNESS 0.040 INCH (1.4 MM) NOMINAL. TPO OVERLEAF FLASHING BY FIRESTONE.
- F. BONDING ADHESIVE: NEOPRENE AND SBR RUBBER BLEND, FORMULATED FOR COMPATIBILITY WITH THE MEMBRANE OTHER SUBSTRATE MATERIALS, INCLUDING MASONRY, WOOD, AND METAL SURFACES; LOW VOC AND NON-FLAMMABLE BY FIRESTONE.
- G. FOURABLE SEALER: TWO-PART POLYURETHANE, TWO-COLOR FOR RELIABLE MIXING, POURABLE SEALER BY FIRESTONE.
- H. SEAM PLATES: STEEL WITH BARBS AND GALVALUME COATING, CORROSION-RESISTANCE COMPLYING WITH FM 4470; HEAVY DUTY SEAM PLATES BY FIRESTONE.
- I. TERMINATION BARS: ALUMINUM BARS WITH INTEGRAL CAULK LEDGE; 1.3 INCHES (33 MM) WIDE BY 0.10 INCH (2.5 MM) THICK; FIRESTONE TERMINATION BAR BY FIRESTONE.
- J. CUT EDGE SEALANT: SYNTHETIC RUBBER-BASED, FOR USE WHERE MEMBRANE REINFORCEMENT IS EXPOSED, ULTRAPLY TPO CUT EDGE SEALANT BY FIRESTONE.
- K. GENERAL PURPOSE SEALANT: EPDM-BASED, ONE PART, WHITE GENERAL PURPOSE SEALANT; ULTRAPLY TPO GENERAL PURPOSE SEALANT BY FIRESTONE.
- L. COATED METAL FLASHING AND EDGINGS: GALVANIZED STEEL WITH MANUFACTURER'S BONDED TPO COATING, ULTRAPLY TPO COATED METAL BY FIRESTONE.
- M. MOLDED FLASHING ACCESSORIES: UNREINFORCED TPO MEMBRANE PRE-MOLDED TO SUIT A VARIETY OF FLASHING DETAILS, INCLUDING PIPE BOOTS, INSIDE CORNERS, OUTSIDE CORNERS, ETC.; ULTRAPLY TPO SMALL AND LARGE PIPE FLASHING BY FIRESTONE.
- N. WATER BLOCK SEAL: BUTYL RUBBER SEALANT FOR USE BETWEEN TPO SURFACES, NOT EXPOSED; WATER BLOCK SEAL BY FIRESTONE.
- O. ROOF WALKWAY PADS: NON-REINFORCED TPO WALKWAY PADS, 0.130 INCH (3 MM) BY 30 INCHES (760 MM) BY 40 FEET (12 M) LONG WITH PATTERNED TRAFFIC BEARING SURFACE; ULTRAPLY TPO WALKWAY PADS BY FIRESTONE.

2.4 **ROOF INSULATION AND COVER BOARDS**
- A. POLYISOCYANURATE BOARD INSULATION: CLOSED CELL POLYISOCYANURATE FOAM WITH BLACK GLASS REINFORCED MAT LAMINATED TO FACES, COMPLYING WITH ASTM C1289 TYPE II CLASS 1, WITH THE FOLLOWING ADDITIONAL CHARACTERISTICS:
  1. SIZE: 4B INCHES (1220 MM) BY 96 INCHES (2440 MM), NOMINAL.
  2. R-VALUE (RSI-VALUE) (LTTR):
     a. 3.9 INCH THICKNESS: R=25 MINIMUM.
  3. COMPRESSIVE STRENGTH: 20 PSI (138 KPA) WHEN TESTED IN ACCORDANCE WITH ASTM D1621.
  4. ACCEPTABLE PRODUCT: ISO 95+ GL POLYISOCYANURATE INSULATION BY FIRESTONE.
- B. GYPSUM-BASED COVER BOARD: NON-COMBUSTIBLE, WATER RESISTANT GYPSUM CORE WITH EMBEDDED GLASS MAT FACERS, COMPLYING WITH ASTM C177/C177M, AND WITH THE FOLLOWING ADDITIONAL CHARACTERISTICS:
  1. SIZE: 4B INCHES (1220 MM) BY 96 INCHES (2440 MM), NOMINAL.
  2. THICKNESS: ½".
  3. ACCEPTABLE PRODUCT: GEORGIA-PACIFIC DENSDECK.
- C. INSULATION FASTENERS: TYPE AND SIZE AS REQUIRED BY ROOF MEMBRANE MANUFACTURER FOR ROOFING SYSTEM AND WARRANTY TO BE PROVIDED; USE ONLY FASTENERS FURNISHED BY ROOF MEMBRANE MANUFACTURER. HEAVY DUTY FASTENERS BY FIRESTONE.

2.5 **METAL ACCESSORIES**
- A. METAL ROOF EDGING AND FASCIA: CONTINUOUS METAL EDGE MEMBER SERVING AS TERMINATION OF ROOF MEMBRANE AND RETAINER FOR METAL FASCIA; WATERTIGHT WITH NO EXPOSED FASTENERS; MOUNTED TO ROOF EDGE NAILER. METAL EDGE PERIMATITE SYSTEM 200 FASCIA.
  1. WIND PERFORMANCE:
     a. MEMBRANE PULL-OFF RESISTANCE: 100 LBS/FT (1460 N/M), MINIMUM, WHEN TESTED IN ACCORDANCE WITH ANSI/SPRI/FM 4435/ES-1 TEST METHOD RE-1, CURRENT EDITION.
  2. DESCRIPTION: TWO-PIECE, EXTRUDED ALUMINUM T-SHAPED EDGE MEMBER SECURING TOP AND BOTTOM EDGES OF FLAT-FACED FORMED METAL FASCIA; METAL ERA 2.
  3. FASCIA: MATERIAL AND FINISH: 24 GAGE, 0.024 INCH (0.06 MM) GALVANIZED STEEL WITH KYNAR 500 FINISH IN MANUFACTURER'S STANDARD COLOR; MATCHING CONCEALED JOINT SPLICE PLATES; FACTORY-INSTALLED PROTECTIVE PLASTIC FILM.

2.6 **ACCESSORY MATERIALS**
- A. WOOD NAILERS: PS 20 DIMENSION LUMBER, DOUGLAS FIR OR SOUTHERN PINE, DOUGLAS FIR; OR PS 1, APA EXTERIOR GRADE PLYWOOD, PRESSURE PRESERVATIVE TREATED.
  1. WIDTH: 3-1/2 INCHES (90 MM), NOMINAL, OR AS WIDE AS THE NAILING FLANGE OF THE ROOF ACCESSORY TO BE ATTACHED TO IT.
  2. THICKNESS: SAME AS THICKNESS OF ROOF INSULATION.

PART 3 - INSTALLATION

3.1 **GENERAL**
- INSTALL ROOFING, INSULATION, FLASHINGS, AND ACCESSORIES IN ACCORDANCE WITH ROOFING MANUFACTURER'S PUBLISHED INSTRUCTIONS AND RECOMMENDATIONS FOR THE SPECIFIED ROOFING SYSTEM. WHERE MANUFACTURER PROVIDES NO INSTRUCTIONS OR RECOMMENDATIONS, FOLLOW GOOD ROOFING PRACTICES AND INDUSTRY STANDARDS. COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
- B. OBTAIN ALL RELEVANT INSTRUCTIONS AND MAINTAIN COPIES AT PROJECT SITE FOR DURATION OF INSTALLATION PERIOD.
- C. DO NOT START WORK UNTIL PRE-INSTALLATION NOTICE HAS BEEN SUBMITTED TO MANUFACTURER AS NOTIFICATION THAT THIS PROJECT REQUIRES A MANUFACTURER'S WARRANTY.
- D. PERFORM WORK USING COMPETENT AND PROPERLY EQUIPPED PERSONNEL.
- E. TEMPORARY CLOSURES: WHICH ENSURE THAT MOISTURE DOES NOT DAMAGE ANY COMPLETED SECTION OF THE NEW ROOFING SYSTEM. ARE THE RESPONSIBILITY OF THE APPLICATOR. COMPLETION OF FLASHINGS, TERMINATIONS, AND TEMPORARY CLOSURES SHALL BE COMPLETED AS REQUIRED TO PROVIDE A WATERTIGHT CONDITION.
- F. INSTALL ROOFING MEMBRANE ONLY WHEN SURFACES ARE CLEAN, DRY, SMOOTH AND FREE OF SNOW OR ICE. DO NOT APPLY ROOFING MEMBRANE DURING INCLEMENT WEATHER OR WHEN AMBIENT CONDITIONS ARE NOT WITHIN PROPER APPLICATION. CONSULT MANUFACTURER FOR RECOMMENDED PROCEDURES DURING COLD WEATHER. DO NOT WORK WITH SEALANTS AND ADHESIVES WHEN MATERIAL TEMPERATURE IS OUTSIDE THE RANGE OF 40 TO 80 DEGREES F (5 TO 25 DEGREES C).
- G. PROTECT ADJACENT CONSTRUCTION, PROPERTY, VEHICLES, AND PERSONS FROM DAMAGE RELATED TO ROOFING WORK. REPAIR OR RESTORE DAMAGE CAUSED BY ROOFING WORK.
  1. PROTECT FROM SPILLS AND OVERSPRAY FROM BITUMEN, ADHESIVES, SEALANTS AND COATINGS.
  2. PARTIALLY PROTECT METAL, GLASS, PLASTIC, AND PAINTED SURFACES FROM BITUMEN, ADHESIVES, AND SEALANTS WITHIN THE RANGE OF WIND-BORNE OVERSPRAY.
  3. PROTECT FINISHED AREAS OF THE ROOFING SYSTEM FROM ROOFING RELATED WORK TRAFFIC AND TRAFFIC BY OTHER TRADES.
- H. UNTIL READY FOR USE, KEEP MATERIALS IN THEIR ORIGINAL CONTAINERS AS LABELED BY THE MANUFACTURER.
- I. CONSULT MEMBRANE MANUFACTURER'S INSTRUCTIONS, CONTAINER LABELS, AND MATERIAL SAFETY DATA SHEETS (MSDS) FOR SPECIFIC SAFETY INSTRUCTIONS. KEEP ALL ADHESIVES, SEALANTS, PRIMERS AND CLEANING MATERIALS AWAY FROM ALL SOURCES OF IGNITION.

3.2 **EXAMINATION**
- A. EXAMINE ROOF DECK TO DETERMINE THAT IT IS SUFFICIENTLY RIGID TO SUPPORT INSTALLERS AND THEIR MECHANICAL EQUIPMENT AND THAT DEFLECTION WILL NOT STRAIN OR RUPTURE ROOF COMPONENTS OR DEFORM DECK.
- B. VERIFY THAT SURFACES AND SITE CONDITIONS ARE READY TO RECEIVE WORK. CORRECT DEFECTS IN THE SUBSTRATE BEFORE COMMENCING WITH ROOFING WORK.
- C. EXAMINE ROOF SUBSTRATE TO VERIFY THAT IT IS PROPERLY SLOPED TO DRAINS.
- D. VERIFY THAT THE SPECIFICATIONS AND DRAWINGS DETAILS ARE WORKABLE AND NOT IN CONFLICT WITH THE ROOFING MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS. START OF WORK CONSTITUTES ACCEPTABLE OF PROJECT CONDITIONS AND REQUIREMENTS.
- E. VERIFY THAT WOOD NAILERS HAVE BEEN PROPERLY INSTALLED.

3.3 **PREPARATION**
- A. TAKE APPROPRIATE MEASURES TO ENSURE THAT FUMES FROM ADHESIVE SOLVENTS ARE NOT DRAWN INTO THE BUILDING THROUGH AIR INTAKES.
- B. PRIOR TO PROCEEDING, PREPARE ROOF SURFACE SO THAT IT IS CLEAN, DRY, AND SMOOTH, AND FREE OF SHARP EDGES, FINS, ROUGHENED SURFACES, LOOSE OR FOREIGN MATERIALS, OIL, GREASE AND OTHER MATERIALS THAT MAY DAMAGE THE MEMBRANE.
- C. FILL ALL SURFACE VOIDS IN THE IMMEDIATE SUBSTRATE THAT ARE GREATER THAN 1/4 INCH (6 MM) WIDE WITH FILL MATERIAL ACCEPTABLE INSULATION TO MEMBRANE MANUFACTURER.
- D. SEAL, GROUT, OR TAPE DECK JOINTS WHERE NEEDED, TO PREVENT BITUMEN SEEPAGE INTO BUILDING.
- E. WOOD NAILERS: PROVIDE WOOD NAILERS AT ALL PERIMETERS AND OTHER LOCATIONS WHERE INDICATED ON THE DRAWINGS, OF TOTAL HEIGHT MATCHING THE TOTAL THICKNESS OF INSULATION BEING USED.

3.4 **INSULATION AND COVER BOARD INSTALLATION**
- A. INSTALL INSULATION IN CONFIGURATION AND WITH ATTACHMENT METHOD(S) SPECIFIED IN PART 2, UNDER ROOFING SYSTEM.
- B. INSTALL ONLY AS MUCH INSULATION AS CAN BE COVERED WITH THE COMPLETED ROOFING SYSTEM BEFORE THE END OF THE DAY'S WORK OR BEFORE THE ONSET OF INCLEMENT WEATHER.
- C. LAY ROOF INSULATION IN COURSES PARALLEL TO ROOF EDGES.
- D. NEATLY AND TIGHTLY FIT INSULATION TO ALL PENETRATIONS, PROJECTIONS, AND NAILERS, WITH GAPS NOT GREATER THAN 1/4 INCH (6 MM). FILL GAPS GREATER THAN 1/4 INCH (6 MM) WITH ACCEPTABLE INSULATION. DO NOT LEAVE THE ROOFING MEMBRANE UNSUPPORTED OVER A SPACE GREATER THAN 1/4 INCH (6 MM).
- E. MECHANICAL FASTENING: USING SPECIFIED FASTENERS AND INSULATION PLATES ENGAGE FASTENERS THROUGH INSULATION INTO DECK TO DEPTH AND IN PATTERN REQUIRED BY FACTORY MUTUAL FOR FM CLASS SPECIFIED IN PART 2 AND MEMBRANE MANUFACTURER, WHICHEVER IS MORE STRINGENT.

3.5 **SINGLE-PLY MEMBRANE INSTALLATION**
- A. BEGINNING AT LOW POINT OF ROOF, PLACE MEMBRANE WITHOUT STRETCHING OVER SUBSTRATE AND ALLOW TO RELAX AT LEAST 30 MINUTES BEFORE ATTACHMENT OR SPLICING. IN COLDER WEATHER ALLOW FOR LONGER RELAX TIME.
- B. LAY OUT THE MEMBRANE PIECES SO THAT FIELD AND FLASHING SPLICES ARE INSTALLED TO SHED WATER.
- C. INSTALL MEMBRANE WITHOUT WRINKLES AND WITHOUT GAPS OR FISHMOUTHS IN SEAMS. BOND AND TEST SEAMS AND LAPS IN ACCORDANCE WITH MEMBRANE MANUFACTURER'S INSTRUCTIONS AND DETAILS.
- D. INSTALL MEMBRANE MECHANICALLY ATTACHED TO THE SUBSTRATE USING SEAM BATTENS. FASTENERS, AND EDGE SECUREMENT AS SPECIFIED AND AS REQUIRED BY MEMBRANE MANUFACTURERS.
- E. MECHANICAL ATTACHMENT: INSTALL FASTENERS IN THE SEAMS, COVERED BY MEMBRANE.
  1. LAY OUT FASTENERS IN COMPLIANCE WITH FM CLASS SPECIFIED IN PART 2, AS RECOMMENDED BY MEMBRANE MANUFACTURER, AND AS INDICATED, WHICHEVER IS MOST STRINGENT.
  2. PROPERLY ENGAGE FASTENERS IN THE DECK WITH HEAD FLUSH WITH THE COUNTERSUNK PORTION OF SEAM PLATE.
- F. EDGE SECUREMENT: SECURE MEMBRANE AT ALL LOCATIONS WHERE MEMBRANE TERMINATES OR GOES THROUGH AN ANGLE CHANGE GREATER THAN 2 IN 12 INCHES (1:6.) USING MECHANICALLY FASTENED REINFORCED PERIMETER FASTENING STRIPS, PLATES, OR METAL EDGING AS INDICATED OR AS RECOMMENDED BY ROOFING MANUFACTURER.
  1. EXCEPTIONS: ROUND PIPE PENETRATIONS LESS THAN 18 INCHES (460 MM) IN DIAMETER AND SQUARE PENETRATIONS LESS THAN 4 INCHES (100 MM) SQUARE.
  2. METAL EDGING IS NOT HERELY DECORATIVE. ENSURE ANCHORAGE OF MEMBRANE AS INTENDED BY ROOFING MANUFACTURER.

SECTION 07500 - SINGLE-PLY ROOFING (TPO) (cont.)

3.6 **FLASHING AND ACCESSORIES INSTALLATION**
- A. INSTALL FLASHINGS, INCLUDING LAPS, SPLICES, JOINTS, BONDING, ADHESION, AND ATTACHMENT, AS REQUIRED BY MEMBRANE MANUFACTURER'S RECOMMENDATIONS AND DETAILS.
- B. INSTALL ACCESSORIES: INSTALL METAL EDGINGS, GRAVEL STOPS, AND COPINGS IN LOCATIONS INDICATED ON THE DRAWINGS, WITH HORIZONTAL LEG OF EDGE MEMBER OVER MEMBRANE AND FLASHING OVER METAL ONTO MEMBRANE.
  1. FOLLOW ROOFING MANUFACTURER'S INSTRUCTIONS.
  2. REMOVE PROTECTIVE PLASTIC SURFACE FILM IMMEDIATELY BEFORE INSTALLATION.
  3. INSTALL WATER BLOCK SEALANT UNDER THE MEMBRANE ANCHORAGE LEG.
  4. FLASH AS WITH MANUFACTURER'S INSTRUCTIONS. USE FLASHING SHEET UNLESS OTHERWISE INDICATED.
  5. WHERE SINGLE APPLICATION OF FLASHING WILL NOT COMPLETELY COVER THE METAL FLANGE, INSTALL ADDITIONAL PIECE OF FLASHING TO COVER THE METAL EDGE.
  6. IF THE ROOF EDGE INCLUDES A GRAVEL STOP AND SEALANT IS NOT APPLIED BETWEEN THE LAPS IN THE METAL EDGING, APPLY A CONTINUOUS BEAD OF SELF-VULCANIZE FLASHING REINFORCED RUBBER BUTYL TAPE AT THE TOP OF THE GRAVEL STOP. APPLY SEAM EDGE TREATMENT AT THE INTERSECTIONS OF THE TWO FLASHING SECTIONS.
  7. WHEN THE MEMBRANE IS TERMINATED UNDER METAL EDGE FLASHING, APPLY SEALANT BETWEEN THE BACK EDGE OF THE FLASHING.
- C. SCUPPERS: SET IN SEALANT AND SECURE TO STRUCTURE. FLASH AS RECOMMENDED BY MANUFACTURER.
- D. ROOFING EXPANSION JOINTS: INSTALL AS SHOWN ON DRAWINGS AND AS RECOMMENDED BY ROOFING MANUFACTURER.
- E. FLASHING AT WALLS, CURBS, AND OTHER VERTICAL SURFACES: EXTEND FLASHING UP AT LEAST 8 INCHES (200 MM) ABOVE ROOFING SURFACE, SLOPE SURFACE TO ACHIEVE SLOPE. SLOPE WATERTIGHT FLASHING AT LEAST 2 INCHES (50 MM) HIGH ABOVE MEMBRANE SURFACE.
  1. USE THE LONGEST PRACTICAL FLASHING PIECES.
  2. EVALUATE THE SUBSTRATE AND OVERLAY AND ADJUST INSTALLATION PROCEDURE IN ACCORDANCE WITH MEMBRANE MANUFACTURER'S RECOMMENDATIONS.
  3. COMPLETE THE SPLICE BETWEEN FLASHING AND THE MAIN ROOF SHEET WITH SPECIFIED SPLICE ADHESIVE BEFORE ADHERING FLASHING TO THE WALL.
  4. PROVIDE TERMINATION DIRECTLY TO THE VERTICAL SUBSTRATE AS SHOWN ON ROOF DRAWINGS.
- F. ROOF DRAINS:
  1. TAPER INSULATION AROUND DRAIN TO PROVIDE SMOOTH TRANSITION FROM ROOF SURFACE TO DRAIN. USE SPECIFIED PRE-FABRICATED TAPERED INSULATION PANELS, WITH FULL FINISH, LEVEL SURFACE TO ACHIEVE SLOPE. SLOPE NOT TO EXCEED MANUFACTURER'S RECOMMENDATIONS.
  2. POSITION MEMBRANE FLASHING IN ROOF DRAIN TO ALLOW 1/2 TO 3/4 INCH (12 TO 19 MM) OF MEMBRANE TO EXTEND INSIDE CLAMPING RING PAST DRAIN BOLTS.
  3. TAKE BOND HOLES IN MEMBRANE FLASHING FOR CLAMPING BOLTS. DO NOT CUT MEMBRANE BACK TO BOLT HOLES.
  4. APPLY SEALANT ON TOP OF DRAIN BOWL WHERE CLAMPING RING SEALS BELOW THE MEMBRANE
  5. INSTALL ROOF DRAIN CLAMPING RING AND TIGHTEN BOLTS TO ACHIEVE CONSTANT COMPRESSION.
- G. FLASHING AT PENETRATIONS: FLASH ALL PENETRATIONS PASSING THROUGH THE MEMBRANE. MAKE FLASHING SEALS DIRECTLY TO THE PENETRATION.
  1. PIPES: MOLDED BOOTS AND SIMILAR ITEMS: FLASH WITH SPECIFIED PRE-MOLDED PIPE FLASHINGS WHEREVER PRACTICAL; OTHERWISE USE SPECIFIED SELF-CURING ELASTOMERIC FLASHING.
  2. PIPE CLUSTERS AND ANGLE-IRON SUPPORTS: CONSTRUCT A WATERPROOF MASTIC POCKET AT LEAST 2 INCHES (50 MM) DEEP, WITH AT LEAST 1 INCH (25 MM) CLEARANCE FROM PENETRATION, SLOPED TO SHED WATER.
  3. STRUCTURAL STEEL TUBING: IF CORNER RADII ARE GREATER THAN 1/4 INCH (6 MM) AND LONGEST SIDE OF TUBE DOES NOT EXCEED 12 INCHES (300 MM), FLASH AS FOR ROUND PENETRATIONS. OTHERWISE FLASH AS FOR WALLS.
  4. FLASHING AND MOVING PENETRATIONS: PROVIDE WEATHERTIGHT GOOSENECK SET IN SEALANT AND SECURED TO DECK, FLASHED AS RECOMMENDED BY MANUFACTURER.
  5. SEE DRAWINGS, PROPOSE FOR ADDITIONAL IN-SERVICE TEMPERATURE IS, OR IS EXPECTED TO BE, IN EXCESS OF 180 DEGREES F (82 DEGREES C). PROTECT THE ELASTOMERIC COMPONENTS FROM DIRECT CONTACT WITH THE HOT SURFACES USING SHIELDS INSTALLED OVER ADHESIVE-BACKED ASPHALT SHINGLES AT ROOF.

3.7 **FINISHING AND MINOR INSTALLATION**
- A. INSTALL WALKWAYS AT ACCESS POINTS TO THE ROOF, AROUND ROOFTOP EQUIPMENT THAT MAY REQUIRE MAINTENANCE, AND WHERE INDICATED ON THE DRAWINGS.
  1. USE SPECIFIED WALKWAY PADS UNLESS OTHERWISE INDICATED.
- B. WALKWAY PADS: ADHERE TO THE ROOF MEMBRANE, SPACING EACH PAD AT MINIMUM OF 1.0 INCH (25 MM) AND MAXIMUM OF 3.0 INCHES (75 MM) FROM EACH OTHER TO ALLOW FOR DRAINAGE.
  1. IF INSTALLATION OF WALKWAY BUTTERS TO FIELD FABRICATED SPLICES OR WITHIN 6 INCHES (150 MM) OF A SPLICE EDGE CANNOT BE AVOIDED, ADHERE ANOTHER LAYER OF FLASHING OVER THE SPLICE AND EXTENDING BEYOND THE WALKWAY FOR A DISTANCE OF 6 INCHES (150 MM) IN EITHER SIDE.
  2. PRIME THE MEMBRANE, REMOVE THE RELEASE PAPER ON THE PAD, PRESS IN PLACE, AND WALK ON PAD TO ENSURE PROPER ADHESION.

3.8 **FIELD QUALITY CONTROL**
- A. INSPECTION BY MANUFACTURER: PROVIDE FINAL INSPECTION OF THE ROOFING SYSTEM BY A TECHNICAL REPRESENTATIVE EMPLOYED BY ROOFING SYSTEM MANUFACTURER SPECIFICALLY TO INSPECT INSTALLATION FOR WARRANTY PURPOSES (I.E. NOT A SALES PERSON).
- B. PERFORM ALL CORRECTIONS NECESSARY FOR ISSUANCE OF WARRANTY.

3.9 **CLEANING**
- A. CLEAN ALL CONTAMINANTS GENERATED BY ROOFING WORK FROM BUILDING AND SURROUNDING AREAS, INCLUDING BITUMEN, ADHESIVES, SEALANTS, AND COATINGS.
- B. REPAIR OR REPLACE BUILDING COMPONENTS AND FINISHED SURFACES DAMAGED OR DEFACED DUE TO THE WORK OF THIS SECTION; COMPLY WITH RECOMMENDATIONS OF MANUFACTURERS OF COMPONENTS AND SURFACES.
- C. REMOVE LEFTOVER MATERIALS, TRASH, DEBRIS, EQUIPMENT FROM PROJECT SITE AND SURROUNDING AREAS.

3.10 **PROTECTION**
- A. WHERE CONSTRUCTION TRAFFIC MUST CONTINUE OVER FINISHED ROOF MEMBRANE, PROVIDE DURABLE PROTECTION AND REPLACE OR REPAIR DAMAGED ROOFING TO ORIGINAL CONDITION.

END OF SECTION 07500

SECTION 07620 - SHEET METAL FLASHING AND TRIM

PART 1 - GENERAL

1.1 **SECTION REQUIREMENTS**
- A. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS, AND SAMPLES.

PART 2 - PRODUCTS

2.1 **SHEET METAL**
- A. GALVANIZED STEEL SHEET: ASTM A 653/A 653M, G90 (Z275), MILL PHOSPHATIZED WHERE INDICATED FOR PAINTING. AT LEAST 0.0396 INCH (1.0 MM) THICK.

2.2 **FLASHING AND TRIM**
- A. SAME MATERIAL AS SHEET METAL FLASHING AND TRIM TO COMPLY WITH RECOMMENDATIONS OF SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL" THAT APPLY TO THE DESIGN DIMENSIONS, METAL, AND OTHER CHARACTERISTICS OF THE ITEM INDICATED.
- B. CO-EXT GALVANIZED STEEL: ASTM A 653/A 653M, WITH A 2-COAT FLUOROPOLYMER KYNAR 500 OR HYLAR 5000 FINISH.
  1. FINISH ALUMINUM GUTTERS, DOWNSPOUTS, AND SIMILAR EXPOSED UNITS WITH BAKED-ON, ACRYLIC SHOP FINISH (COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD SELECTIONS). 1.0-1%, (0.025-1%) DRY FILM THICKNESS.

2.3 **AC

Reviewed for Code Compliance
With The Florida Building Code
FCS, Florida LLC
24-8289
Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/29/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/29/2026
Fire Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Fire Review - Mike Hudkins, - NA to Private Provider - 3/30/2026

SPECIFICATIONS

SECTION 09900 - PAINTING

PART 1 - GENERAL

1.01 SECTION REQUIREMENTS

A. SUMMARY: PAINT ALL EXPOSED SURFACES, UNLESS OTHERWISE INDICATED.
1. PAINT THE BACK SIDE OF ACCESS PANELS.
2. COLOR CODE MECHANICAL PIPING IN ACCESSIBLE CEILING SPACES.
3. DO NOT PAINT PREFINISHED ITEMS, FINISHED METAL SURFACES, OPERATING PARTS, LABELS, AND MATERIALS OBVIOUSLY INTENDED TO BE LEFT EXPOSED SUCH AS BRICK AND TILE.
4. UNLESS OTHERWISE INDICATED DO NOT PAINT CONCEALED SURFACES.

B. SUBMITTALS: PRODUCT DATA AND COLOR SAMPLES.

C. MOCKUPS: FULL-COAT FINISH SAMPLE (MINIMUM SAMPLE) OF EACH TYPE OF COATING, SUBSTRATE, COLOR, AND FINISH REQUIRED IN AREA OF NOT LESS THAN 100 SQ. FT. (9 SQ. M.). COMPLY WITH PDCA PS.

D. OBTAIN BLEND FILLERS, PRIMERS, AND UNDERCOAT MATERIALS FOR EACH COATING SYSTEM FROM THE SAME MANUFACTURER AS THE FINISH COATS.

E. EXTRA MATERIALS: DELIVER TO OWNER 1 1-GAL. (3.8-L) CONTAINER, PROPERLY LABELED AND SEALED, OF EACH COLOR AND TYPE OF FINISH COAT PAINT USED ON PROJECT.

PART 2 - PRODUCTS

2.1 PAINT

A. SEE DRAWINGS
1. COLORS: AS SELECTED OR AS SCHEDULED.

B. MATERIAL QUALITY: MANUFACTURER'S BEST-QUALITY OF COATING TYPES SPECIFIED.

C. MATERIAL COMPATIBILITY: COMPLETE SYSTEM OF COMPATIBLE COMPONENTS THAT IS RECOMMENDED BY MANUFACTURER FOR APPLICATION INDICATED.

PART 3 - EXECUTION

3.1 APPLICATION

A. COMPLY WITH PAINT MANUFACTURER'S WRITTEN INSTRUCTIONS FOR SURFACE PREPARATION, ENVIRONMENTAL AND SUBSTRATE CONDITIONS, PRODUCT MIXING, AND APPLICATION.

3.2 EXTERIOR/INTERIOR PAINT APPLICATION SCHEDULE

A. AS SHOWN BELOW AND ON DRAWINGS, IF NOT SHOWN, TO BE SPECIFIED BY OWNERS REP.

B. EXTERIOR WOOD - PAINTED
1. 1ST COAT - ALKYD EXTERIOR PRIMER
2. 2ND COAT - LATEX EXTERIOR TRIM
3. 3RD COAT - LATEX EXTERIOR TRIM

C. EXTERIOR CONCRETE, CONCRETE BLOCK, CEMENT PLASTER (STUCCO) AND EIFS
1. 1ST COAT - ACRYLIC MASONRY SEALER
2. 2ND COAT - LATEX EXTERIOR
3. 3RD COAT - LATEX EXTERIOR

D. EXTERIOR GYPSUM BOARD AND CEMENTITIOUS MATERIALS
1. 1ST COAT - LATEX EXTERIOR
2. 2ND COAT - LATEX EXTERIOR

E. EXTERIOR STEEL - SHOP PRIMED
1. TOUCH-UP PRIMER - ALKYD METAL PRIMER
2. 2ND COAT - ACRYLIC GLOSS ENAMEL
3. 3RD COAT - ACRYLIC GLOSS ENAMEL

F. EXTERIOR STEEL - GALVANIZED
1. 1ST COAT - ALKYD METAL PRIMER
2. 2ND COAT - ACRYLIC GLOSS ENAMEL
3. 3RD COAT - ACRYLIC GLOSS ENAMEL

G. INTERIOR WOOD - PAINTED
1. 1ST COAT - LATEX PRIMER
2. 2ND COAT - LATEX SEMI-GLOSS
3. 3RD COAT - LATEX SEMI-GLOSS

H. INTERIOR CONCRETE, CONCRETE BLOCK, AND CEMENT PLASTER
1. 1ST COAT - LATEX BLOCK FILLER
2. 2ND COAT - LATEX SEMI-GLOSS
3. 3RD COAT - LATEX SEMI-GLOSS

I. INTERIOR STEEL - UNPRIMED
1. 1ST COAT - ALKYD METAL PRIMER
2. 2ND COAT - ACRYLIC GLOSS ENAMEL
3. 3RD COAT - ACRYLIC GLOSS ENAMEL

J. INTERIOR STEEL - PRIMED
1. TOUCH-UP PRIMER - ALKYD METAL PRIMER
2. 2ND COAT - ACRYLIC GLOSS ENAMEL
3. 3RD COAT - ACRYLIC GLOSS ENAMEL

K. INTERIOR STEEL - GALVANIZED
1. 1ST COAT - ALKYD METAL PRIMER
2. 2ND COAT - ACRYLIC GLOSS ENAMEL
3. 3RD COAT - ACRYLIC GLOSS ENAMEL

L. INTERIOR WALLS - GYPSUM BOARD
1. 1ST COAT - LATEX PRIMER
2. 2ND COAT - LATEX EGG SHELL
3. 3RD COAT - LATEX EGG SHELL

M. INTERIOR FIRE RETARDANT
1. 1ST COAT - CODE COMPLIANT, FIRE RETARDANT PAINT

END OF SECTION 09900

SECTION 10801 - TOILET AND BATH ACCESSORIES

PART 1 - GENERAL

1.01 SECTION REQUIREMENTS

A. SUBMITTALS: PRODUCT DATA.

PART 2 - PRODUCTS

2.1 MATERIALS

A. STAINLESS STEEL: ASTM A 666, TYPE 304, NO. 4 FINISH (SATIN), 0.0312-INCH (0.8-MM) MINIMUM NOMINAL THICKNESS, UNLESS OTHERWISE INDICATED.

B. MIRROR GLASS: ASTM C 1036, TYPE 1, CLASS 1, QUALITY Q2, NOMINAL 6.0 MM THICK, WITH SILVERING, ELECTROPLATED COPPER COATING, AND PROTECTIVE ORGANIC COATING COMPLYING WITH FS DD-M-411.

C. GALVANIZED STEEL MOUNTING DEVICES: ASTM A 153/A 153M, HOT-DIP GALVANIZED AFTER FABRICATION.

D. FASTENERS: SCREWS, BOLTS, AND OTHER DEVICES OF SAME MATERIAL AS ACCESSORY UNLESS TAMPER AND THEFT RESISTANT WHEN EXPOSED, AND OF GALVANIZED STEEL WHEN CONCEALED.

E. KEYS: PROVIDE UNIVERSAL KEYS FOR INTERNAL ACCESS TO ACCESSORIES FOR SERVICING AND RESUPPLYING. PROVIDE MINIMUM OF SIX KEYS TO OWNER'S REPRESENTATIVE.

2.2 TOILET AND BATH ACCESSORIES

A. AS SPECIFIED IN DRAWINGS.

PART 3 - EXECUTION

3.1 INSTALLATION

A. INSTALL ACCESSORIES USING FASTENERS APPROPRIATE TO SUBSTRATE INDICATED AND RECOMMENDED BY UNIT MANUFACTURER. INSTALL UNITS LEVEL, PLUMB, AND FIRMLY ANCHORED IN LOCATIONS AND AT HEIGHTS INDICATED.
1. INSTALL GRAB BARS TO WITHSTAND A DOWNWARD LOAD OF AT LEAST 250 LBF (1112 N) WHEN TESTED ACCORDING TO METHOD IN ASTM F 446.

B. ADJUST ACCESSORIES FOR UNENCUMBERED, SMOOTH OPERATION AND VERIFY THAT MECHANISMS FUNCTION PROPERLY.

C. REPLACE DAMAGED OR DEFECTIVE ITEMS. REMOVE TEMPORARY LABELS AND PROTECTIVE COATINGS.

END OF SECTION 10801

SECTION 14240 - HYDRAULIC ELEVATORS

PART 1 - GENERAL

1.01 SUMMARY

A. THIS SECTION SPECIFIES HYDRAULIC ELEVATORS.

B. WORK REQUIRED:
1. THE WORK REQUIRED UNDER THIS SECTION CONSISTS OF ALL LABOR, MATERIALS AND SERVICES REQUIRED FOR THE COMPLETE INSTALLATION (INCLUDING OPERATIONAL VERIFICATION) OF ALL THE EQUIPMENT REQUIRED FOR THE ELEVATOR(S) AS HEREIN SPECIFIED.
2. ALL WORK SHALL BE PERFORMED IN A FIRST CLASS, SAFE AND WORKMANLIKE MANNER.
3. IN ALL CASES WHERE A DEVICE OR PART OF THE EQUIPMENT IS HEREIN REFERRED TO IN THE SINGULAR, IT IS INTENDED THAT SUCH REFERENCE SHALL APPLY TO AS MANY OF SUCH DEVICES OR PARTS AS ARE REQUIRED TO MAKE COMPLETE INSTALLATION.

C. RELATED WORK NOT SPECIFIED HEREIN: THE FOLLOWING SECTIONS CONTAIN REQUIREMENTS THAT RELATE TO THIS SECTION AND ARE PERFORMED BY TRADES OTHER THAN THE ELEVATOR MANUFACTURER/INSTALLER.
1. SECTION 01500 - CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS: PROTECTION OF FLOOR OPENINGS AND PERSONNEL BARRIERS; TEMPORARY POWER AND LIGHTING.
2. SECTION 02200 - EARTHWORK: EXCAVATION FOR CYLINDER WELL CASING.
3. SECTION 03300 - CAST-IN-PLACE CONCRETE: ELEVATOR PIT, ELEVATOR MOTOR AND PUMP FOUNDATION, AND GROUTING THRESHOLDS.
4. SECTION 04200 - UNIT MASONRY: MASONRY HOISTWAY ENCLOSURE, BUILDING-IN AND GROUTING HOISTWAY DOOR FRAMES, GROUTING THRESHOLDS.
5. SECTION 05500 - METAL FABRICATIONS: PIT LADDER, DIVIDER BEAMS, SUPPORT FOR ENTRANCES AND RAILS, HOISTING BEAM AT TOP OF HOISTWAY.
6. SECTION 07145 - CEMENTITIOUS WATERPROOFING: WATERPROOFING OF ELEVATOR PIT.
7. SECTION 16100 - ELECTRICAL: SECTION 16100 - ELECTRICAL:
a. MAIN DISCONNECTS FOR EACH ELEVATOR.
b. ELECTRICAL POWER FOR ELEVATOR INSTALLATION AND TESTING.
c. DISCONNECTING DEVICE TO ELEVATOR EQUIPMENT PRIOR TO ACTIVATION OF SPRINKLER SYSTEM.
d. THE INSTALLATION OF DEDICATED GFCI RECEPTACLES IN THE PIT AND OVERHEAD.
e. LIGHTING IN CONTROLLER AREA, MACHINE AREA AND PIT.
f. WIRING FOR TELEPHONE SERVICE TO CONTROLLER.
8. SECTION 16610 - STANDBY POWER SUPPLY SYSTEMS: EMERGENCY GENERATOR FOR ELEVATOR OPERATION.
9. SECTION 16720 - FIRE ALARM SYSTEMS: FIRE AND SMOKE DETECTORS AND INTERCONNECTING DEVICES; FIRE ALARM SIGNAL LINES TO CONTACTS IN THE MACHINE AREA.
10. SECTION 16740 - TELEPHONE SYSTEMS: ADA&G-REQUIRED EMERGENCY COMMUNICATIONS EQUIPMENT.

D. APPLICABLE CODES: COMPLY WITH APPLICABLE BUILDING AND ELEVATOR CODES AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
1. ANSI A117.1, BUILDINGS AND FACILITIES, PROVIDING ACCESSIBILITY AND USABILITY FOR PHYSICALLY HANDICAPPED PEOPLE.
2. ADA&G, AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES.
3. ANSI/NFPA 70, NATIONAL ELECTRICAL CODE.
4. ANSI/NFPA 80, FIRE DOORS AND WINDOWS.
5. ASME/ANSI A17.7, SAFETY CODE FOR ELEVATORS AND ESCALATORS.
6. ANSI/UL 10B, FIRE TESTS OF DOOR ASSEMBLIES.
7. CAN/CSA C22.1, CANADIAN ELECTRICAL CODE.
8. CAN/CSA-B44, SAFETY CODE FOR ELEVATORS AND ESCALATORS.
9. EN 12016 (MAY MRB): 93/42/EC PRODUCT FAMILY STANDARDS FOR LIFTS, ESCALATORS, AND PASSENGER CONVEYORS PART 2 - IMMUNITY
10. LOCAL BUILDING CODES.
11. ALL OTHER LOCAL APPLICABLE CODES.

1.02 SYSTEM DESCRIPTION

A. EQUIPMENT DESCRIPTION: OTIS HOLELESS HYDRAULIC ELEVATOR WITH MACHINE-ROOM LESS APPLICATION.
B. EQUIPMENT CONTROL: ELEVONIC CONTROL SYSTEM.
C. QUANTITY OF ELEVATORS: 2.
D. ELEVATOR STOP DESIGNATIONS: 1, 2, 4 3.
E. STOPS: 3.
F. OPENINGS: 3 AT FRONT, 0 AT REAR.
G. TRAVEL: 23 FT 2.5 IN.
H. RATED CAPACITY: 4500# LBS.
I. RATED SPEED: 100 FPM.
J. CLEAR INSIDE DIMENSIONS: 5' 6 3/4" X 7' 11 1/2".
K. CAB HEIGHT: 7' 9".
L. ENTRANCE TYPE AND WIDTH: TWO SPEED SIDE OPEN 4' 0".
M. ENTRANCE HEIGHT: 7' 0".
N. MAIN POWER SUPPLY: 480 VOLTS, 3-PHASE, 60HZ + OR - 5% OF NORMAL, THREE-PHASE, WITH A SEPARATE EQUIPMENT GROUNDING CONDUCTOR.
O. CAR LIGHTING POWER SUPPLY: 120 VOLTS, SINGLE-PHASE, 15 AMP, 60 HZ.
P. MACHINE AND CONTROLLER LOCATION: NO MACHINE-ROOM REQUIRED, TANK AND CONTROLLER IN HOISTWAY PIT.
Q. SIGNAL FIXTURES: MANUFACTURER'S STANDARD WITH STAINLESS STEEL METAL BUTTON TARGETS.
R. CONTROLLER LOCATION: INSIDE HOISTWAY, ACCESSIBLE BY A DOOR IN THE SIDE HOISTWAY HALL ON THE 1ST FLOOR.
S. STOPPING ACCURACY: ±1/4" UNDER ANY LOADING CONDITION OR DIRECTION OF TRAVEL.
T. OPERATION: DUPLEX COLLECTIVE OPERATION - USING A MICROPROCESSOR-BASED CONTROLLER, THE OPERATION SHALL BE AUTOMATIC BY MEANS OF THE CAR AND HALL BUTTONS. IN THE ABSENCE OF SYSTEM ACTIVITY, ONE CAR CAN BE MADE TO PARK AT THE PRE-SELECTED MAIN LANDING. THE OTHER (FREE) CAR SHALL REMAIN AT THE LAST LANDING SERVED. ONLY ONE CAR SHALL RESPOND TO A HALL CALL. IF EITHER CAR IS REMOVED FROM SERVICE, THE OTHER CAR SHALL IMMEDIATELY ANSWER ALL HALL CALLS, AS WELL AS ITS OWN CAR CALLS.
U. OPERATING FEATURES - STANDARD
1. FULL COLLECTIVE OPERATION
2. ANTI-NUISANCE.
3. FAN AND LIGHT PROTECTION.
4. LOAD WEIGHING BYPASS.
5. INDEPENDENT SERVICE.
6. FULL COLLECTIVE OPERATION.
7. FIREFIGHTERS' SERVICE PHASE I AND PHASE II.
8. TOP OF CAR INSPECTION.
9. ZONED CAR PARKING.
10. RELATIVE SYSTEM RESPONSE DISPATCHING.
11. ZONED ACCESS AT BOTTOM 4 TOP LANDINGS.
K. DOOR CONTROL FEATURES:
1. DOOR CONTROL TO OPEN DOORS AUTOMATICALLY WHEN CAR ARRIVES AT A LANDING IN RESPONSE TO A NORMAL HALL OR CAR CALL.
2. ELEVATOR DOORS SHALL BE PROVIDED WITH A REOPENING DEVICE THAT WILL STOP AND REOPEN THE CAR DOOR(S) AND HOISTWAY DOOR(S) AUTOMATICALLY SHOULD THE DOOR(S) BECOME OBSTRUCTED BY AN OBJECT OR PERSON. DOOR PROTECTION SHALL CONSIST OF A TWO DIMENSIONAL, MULTI-BEAM ARRAY PROJECTING ACROSS THE CAR DOOR OPENING.
3. DOOR NUDGING OPERATION TO OCCUR IF DOORS ARE PREVENTED FROM CLOSING FOR AN ADJUSTABLE PERIOD OF TIME.
Y. PROVIDE EQUIPMENT ACCORDING TO SEISMIC ZONE: ZONE 0

1.03 SUBMITTALS

A. PRODUCT DATA: SUBMIT MANUFACTURER'S PRODUCT DATA FOR EACH SYSTEM PROPOSED FOR USE. INCLUDE THE FOLLOWING:
1. SIGNAL AND OPERATING FIXTURES, OPERATING PANELS AND INDICATORS.
2. CAB DESIGN, DIMENSIONS AND LAYOUT.
3. HOISTWAY-DOOR AND FRAME DETAILS.
4. ELECTRICAL CHARACTERISTICS AND CONNECTION REQUIREMENTS.
5. EXPECTED HEAT DISSIPATION OF ELEVATOR EQUIPMENT IN HOISTWAY (BTU).
6. COLOR SELECTION CHART FOR CAB AND ENTRANCES.

B. SHOP DRAWINGS: SUBMIT APPROVAL LAYOUT DRAWINGS. INCLUDE THE FOLLOWING:
1. CAR, GUIDE RAILS, BUFFERS AND OTHER COMPONENTS IN HOISTWAY.
2. MAXIMUM RAIL BRACKET SPACING.
3. MAXIMUM LOADS IMPOSED ON GUIDE RAILS REQUIRING LOAD TRANSFER TO BUILDING STRUCTURE.
4. CLEARANCES AND TRAVEL OF CAR.
5. CLEAR INSIDE HOISTWAY AND PIT DIMENSIONS.
6. LOCATION AND SIZES OF ACCESS DOORS, HOISTWAY ENTRANCES AND FRAMES.

C. OPERATIONS AND MAINTENANCE MANUALS: PROVIDE MANUFACTURER'S STANDARD OPERATIONS AND MAINTENANCE MANUAL.

1.04 QUALITY ASSURANCE

A. MANUFACTURER: ELEVATOR MANUFACTURER SHALL BE ISO 9001 CERTIFIED.

B. INSTALLER: ELEVATORS SHALL BE INSTALLED BY THE MANUFACTURER.

C. PERMITS, INSPECTIONS AND CERTIFICATES: THE ELEVATOR CONTRACTOR SHALL OBTAIN AND PAY FOR NECESSARY MUNICIPAL OR STATE INSPECTION AND PERMIT AS REQUIRED BY THE ELEVATOR INSPECTION AUTHORITY, AND MAKE SUCH TESTS AS ARE CALLED FOR BY THE REGULATIONS OR SUCH AUTHORITIES. THESE TESTS SHALL BE MADE IN THE PRESENCE OF SUCH AUTHORITIES OR THEIR AUTHORIZED REPRESENTATIVES.

1.05 DELIVERY, STORAGE AND HANDLING

A. SHOULD THE BUILDING OR THE SITE NOT BE PREPARED TO RECEIVE THE ELEVATOR EQUIPMENT AT THE AGREED UPON DATE, THE GENERAL CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE A PROPER AND SUITABLE STORAGE AREA ON OR OFF THE PREMISES.
SHOULD THE STORAGE AREA BE OFF-SITE AND THE EQUIPMENT NOT YET DELIVERED, THEN THE ELEVATOR CONTRACTOR, UPON NOTIFICATION FROM THE GENERAL CONTRACTOR, WILL DIVERT THE ELEVATOR EQUIPMENT TO THE STORAGE AREA. IF THE EQUIPMENT HAS ALREADY BEEN DELIVERED TO THE SITE, THEN THE GENERAL CONTRACTOR SHALL TRANSPORT THE ELEVATOR EQUIPMENT TO THE STORAGE AREA. THE COST OF ELEVATOR EQUIPMENT TAKEN TO STORAGE BY EITHER PARTY, STORAGE, AND REDELIVERY TO THE JOB SITE SHALL NOT BE AT THE EXPENSE OF THE ELEVATOR CONTRACTOR.

SECTION 14240 - HYDRAULIC ELEVATORS (cont.)

1.06 WARRANTY

A. THE ELEVATOR CONTRACTOR SHALL WARRANT THE EQUIPMENT AGAINST DEFECTIVE MATERIAL AND WORKMANSHIP. THE WARRANTY PERIOD SHALL NOT EXTEND LONGER THAN ONE (1) YEAR FROM THE DATE OF COMPLETION OR ACCEPTANCE THEREOF BY BENEFICIAL USE, WHICHEVER IS EARLIER, OF EACH ELEVATOR. THE WARRANTY EXCLUDES ORDINARY WEAR AND TEAR, IMPROPER USE, VANDALISM, ABUSE, MISUSE, OR NEGLECT OR ANY OTHER CAUSES BEYOND THE CONTROL OF THE ELEVATOR CONTRACTOR. THE EXPRESS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

1.07 MAINTENANCE AND SERVICE

A. MAINTENANCE SERVICE CONSISTING OF REGULAR EXAMINATIONS AND ADJUSTMENTS OF THE ELEVATOR EQUIPMENT SHALL BE PROVIDED BY THE ELEVATOR CONTRACTOR FOR A PERIOD OF TWELVE (12) MONTHS AFTER THE ELEVATOR HAS BEEN TURNED OVER FOR CUSTOMER'S USE. THIS SERVICE SHALL NOT BE CUSTOMARILY PUT BUT SHALL BE PERFORMED BY THE ELEVATOR CONTRACTOR. ALL WORK SHALL BE PERFORMED BY COMPETENT EMPLOYEES DURING REGULAR WORKING HOURS OF REGULAR WORKING DAYS. THIS SERVICE SHALL NOT COVER ADJUSTMENTS, REPAIRS OR REPLACEMENT OF PARTS DUE TO NEGLIGENCE, MISUSE, ABUSE OR ACCIDENTS CAUSED BY PERSONS OTHER THAN THE ELEVATOR CONTRACTOR. ONLY GENUINE PARTS AND SUPPLIES AS USED IN THE MANUFACTURE AND INSTALLATION OF THE ORIGINAL EQUIPMENT SHALL BE PROVIDED.

B. THE ELEVATOR CONTROL SYSTEM MUST:
1) PROVIDE IN THE CONTROLLER THE NECESSARY DEVICES TO RUN THE ELEVATOR ON INSPECTION OPERATION.
2) PROVIDE ON TOP OF THE CAR THE NECESSARY DEVICES TO RUN THE ELEVATOR ON INSPECTION OPERATION.
3) PROVIDE IN THE CONTROLLER AN EMERGENCY STOP SWITCH. THIS EMERGENCY STOP SWITCH WHEN OPENED DISCONNECTS POWER FROM THE BRAKE AND PREVENTS THE MOTOR FROM RUNNING.

PART 2 - PRODUCTS

2.01 DESIGN AND SPECIFICATIONS

A. PROVIDE MACHINE-ROOMLESS HOLELESS HYDRAULIC ELEVATORS FROM OTIS ELEVATOR COMPANY. THE CONTROL SYSTEM AND CAR DESIGN BASED ON MATERIALS AND SYSTEMS MANUFACTURED BY OTIS ELEVATOR COMPANY. SPECIFICALLY, THE SYSTEM SHALL CONSIST OF THE FOLLOWING COMPONENTS.
1. THE ENTIRE HYDRAULIC SYSTEM AND THE CONTROLLER SHALL BE LOCATED INSIDE THE HOISTWAY. NO EXTRA MACHINE ROOM OR CONTROL CLOSET SPACE IS REQUIRED.
2. SLEEP MODE OPERATION FOR LED CEILING LIGHTS AND CAR FAN.
3. LED LIGHTING STANDARD IN CEILING LIGHTS AND ELEVATOR FIXTURES.
4. SLEEP MODE OPERATION FOR LED CEILING LIGHTS AND CAR FAN.

B. APPROVED INSTALLER: OTIS ELEVATOR

2.02 EQUIPMENT- MACHINE COMPONENTS

A. THE HYDRAULIC SYSTEM SHALL BE OF COMPACT DESIGN SUITABLE FOR OPERATION UNDER THE REQUIRED PRESSURE. THE POWER COMPONENT SHALL BE MOUNTED IN THE HYDRAULIC-FLUID STORAGE TANK. THE CONTROL VALVE SHALL CONTROL FLOW FOR UP AND DOWN DIRECTION HYDRAULICALLY AND SHALL INCLUDE AN INTEGRAL CHECK VALVE. A CONTROL SECTION INCLUDING CONTROL SOLENOIDS SHALL DIRECT THE MAIN VALVE AND CONTROL UP AND DOWN STARTING, ACCELERATION, TRANSITION FROM FULL SPEED TO LEVELING SPEED, UP AND DOWN STOPS, PRESSURE RELIEF AND MANUAL LOWERING. ALL OF THESE FUNCTIONS SHALL BE FULLY ADJUSTABLE FOR MAXIMUM SMOOTHNESS AND TO MEET CONTRACT CONDITIONS. SYSTEM TO BE PROVIDED WITH A LOW-PRESSURE SWITCH AND A SHUT-OFF VALVE.
THE ENTIRE HYDRAULIC SYSTEM WITH HYDRAULIC-FLUID STORAGE TANK, POWER COMPONENT AND VALVES SHALL BE LOCATED IN THE HOISTWAY PIT AND EASILY ACCESSIBLE FOR MAINTENANCE THROUGH THE SAME ACCESS DOOR IN THE HOISTWAY HALL.

B. A MICROPROCESSOR-BASED CONTROLLER SHALL BE PROVIDED, INCLUDING NECESSARY STARTING SWITCHES TOGETHER WITH ALL RELAYS, SWITCHES, SOLID-STATE COMPONENTS AND HARDWARE REQUIRED FOR OPERATION, INCLUDING DOOR OPERATION, AS DESCRIBED HEREIN. A SOLID-STATE OVERLOAD DEVICE SHALL BE PROVIDED TO PROTECT THE MOTOR AGAINST OVERLOADING.
THE CONTROLLER SHALL BE LOCATED TOGETHER WITH THE HYDRAULIC SYSTEM IN THE HOISTWAY PIT AND BE EASILY ACCESSIBLE FOR MAINTENANCE THROUGH THE SAME ACCESS DOOR THAT IS ALSO USED FOR THE HYDRAULIC SYSTEM.

C. A MANUAL LOWERING FEATURE SHALL PERMIT LOWERING THE ELEVATOR AT SLOW SPEED IN THE EVENT OF POWER FAILURE FOR ADJUSTING PURPOSES.

2.03 EQUIPMENT- HOISTWAY COMPONENTS

A. PLUNGER(S) AND CYLINDER(S): EACH CYLINDER SHALL BE CONSTRUCTED OF STEEL PIPE OF SUFFICIENT THICKNESS AND SUITABLE FOR THE OPERATING PRESSURE. THE TOP OF EACH CYLINDER SHALL BE EQUIPPED WITH A CYLINDER HEAD WITH A DRIP RING TO COLLECT ANY OIL SEEPAGE AS WELL AS AN INTERNAL GUIDE RING AND SELF-ADJUSTING PACKING. EACH PLUNGER SHALL BE CONSTRUCTED OF SELECTED STEEL TUBING OR PIPE OF PROPER DIAMETER MACHINED TRUE AND SMOOTH WITH A FINE POLISHED FINISH. EACH PLUNGER SHALL BE PROVIDED WITH A STOP RING ELECTRICALLY WELDED TO IT TO PREVENT THE PLUNGER FROM LEAVING THE CYLINDER. EACH PLUNGER AND CYLINDER SHALL BE INSTALLED PLUMB AND SHALL OPERATE FREELY WITH MINIMUM FRICTION.

B. CAR GUIDE RAILS: TEE-SECTION STEEL RAILS WITH BRACKETS AND FASTENERS.

C. POLYURETHANE TYPE BUFFERS SHALL BE USED.

D. WIRING: WIRING FOR HOISTWAY ELECTRICAL DEVICES INCLUDED IN SCOPE OF THE ELEVATOR SYSTEM, HALL PANELS, PIT EMERGENCY STOP SWITCH, AND THE TRAVELING CABLE FOR THE ELEVATOR CAR.

E. HOISTWAY ENTRANCES
1. FRAMES: ENTRANCE FRAMES SHALL BE OF BOLTED CONSTRUCTION FOR COMPLETE ONE-PIECE UNIT ASSEMBLY. ALL FRAMES SHALL BE SECURELY FASTENED TO FIXING ANGLES MOUNTED IN THE HOISTWAY AND SHALL BE OF UL FIRE RATED STEEL.
2. SILLS SHALL BE EXTRUDED ALUMINUM.
3. DOORS: ENTRANCE DOORS SHALL BE OF METAL CONSTRUCTION WITH VERTICAL CHANNEL REINFORCEMENTS.
4. FIRE RATING: ENTRANCE AND DOORS SHALL BE UL FIRE RATED.
5. ENTRANCE FINISH: SATIN STAINLESS STEEL
6. ENTRANCE MARKING PLATES: ENTRANCE JAMBS SHALL BE MARKED WITH 4' X 4' PLATES HAVING RAISED FLOOR MARKINGS WITH BRAILLE LOCATED ADJACENT TO THE FLOOR MARKING. MARKING PLATES SHALL BE PROVIDED ON BOTH SIDES OF THE ENTRANCE.
7. SIGHT GUARDS: BLACK SIGHT GUARDS WILL BE FURNISHED WITH ALL DOORS.
F. FASCIA: GALVANIZED SHEET STEEL SHALL BE PROVIDED AT THE FRONT OF THE HOISTWAY.
G. PIT LADDERS: ELEVATOR MANUFACTURER'S STANDARD CODE COMPLIANT PIT LADDERS TO BE FURNISHED AND INSTALLED.

2.04 EQUIPMENT- CAR COMPONENTS

A. CAB: SATIN STAINLESS STEEL SHELL CAB. BRUSHED STEEL FINISH FINISHED BASE PLATE LOCATED AT TOP AND BOTTOM.
B. CAR FRONT FINISH: SATIN STAINLESS STEEL.
C. CAR DOOR FINISH: SATIN STAINLESS STEEL.
D. CEILING TYPE: PLUSH STEEL CEILING WITH 4 LED LIGHTS IN A SATIN STAINLESS STEEL FINISH.
E. EMERGENCY CAR LIGHTING: AN EMERGENCY POWER UNIT EMPLOYING A 6-VOLT SEALED RECHARGEABLE BATTERY AND TOTALLY STATIC CIRCUITS SHALL BE PROVIDED TO ILLUMINATE THE ELEVATOR CAR IN THE EVENT OF BUILDING POWER FAILURE.
F. FAN: A ONE-SPEED 120 VAC FAN WILL BE MOUNTED TO THE STRUCTURAL CEILING TO FACILITATE IN-CAB AIR CIRCULATION, MEETING ATI CODE REQUIREMENTS. THE FAN SHALL BE RUBBER MOUNTED TO PREVENT THE TRANSMISSION OF STRUCTURAL VIBRATION AND WILL INCLUDE A BAFFLE TO DIFFUSE AUDIBLE NOISE. A SWITCH SHALL BE PROVIDED IN THE CAR-OPERATING PANEL TO CONTROL THE FAN.
G. HANDRAIL: HANDRAILS SHALL BE 3/8" X 2" FLAT TUBULAR HANDRAIL WITH A SATIN STAINLESS STEEL FINISH. HANDRAILS SHALL BE PROVIDED ON THE SIDES AND REAR OF THE CAR ENCLOSURE.
H. THRESHOLD: EXTRUDED ALUMINUM.
I. EMERGENCY EXIT CONTACT: AN ELECTRICAL CONTACT SHALL BE PROVIDED ON THE CAR-TOP EXIT.
J. GUIDES: CAR ROLLER TYPE GUIDES AT THE TOP AND THE BOTTOM.
K. PLATFORM: CAR PLATFORM SHALL BE CONSTRUCTED OF METAL WITH 5/4" RECESS FOR DIAMOND PLATE FLOORING BY OTHERS
L. CERTIFICATE FRAME: PROVIDE A CERTIFICATE FRAME WITH A SATIN STAINLESS STEEL FINISH.
M. THE LED CEILING LIGHTS AND THE FAN SHALLD AUTOMATICALLY SHUT OFF WHEN THE SYSTEM IS NOT IN USE AND BE POWERED BACK UP AFTER A PASSENGER CALLS THE ELEVATOR AND PUSHES A HALL BUTTON.

2.05 EQUIPMENT- SIGNAL DEVICES AND FIXTURES

A. CAR OPERATING PANEL:
1. A STANDARD CAR OPERATING PANEL SHALL BE PROVIDED WHICH CONTAINS ALL PUSH BUTTONS, KEY SWITCHES, AND MESSAGE INDICATORS FOR ELEVATOR OPERATION. THE CAR OPERATING PANEL SHALL HAVE A SATIN STAINLESS STEEL FINISH. THE CAR OPERATING PANEL SHALL CONTAIN A BANK OF ROUND STAINLESS STEEL, MECHANICAL LED ILLUMINATED BUTTONS. THE BUTTONS WILL BE FLUSH MOUNTED TO THE PANEL AND MARKED TO CORRESPOND TO THE LANDINGS SERVED. ALL BUTTONS TO HAVE RAISED NUMERALS AND BRAILLE MARKINGS WITH
a. VANDAL RESISTANT, FLAT FLUSH STAINLESS STEEL BUTTON WITH BLUE LED ILLUMINATING CENTER JEWEL.

B. THE CAR OPERATING PANEL SHALL BE EQUIPPED WITH THE FOLLOWING FEATURES:
1. RAISED MARKINGS AND BRAILLE TO THE LEFT HAND SIDE OF EACH PUSH-BUTTON.
2. CAR POSITION INDICATOR AT THE TOP OF AND INTEGRAL TO THE CAR OPERATING PANEL.
3. DOOR OPEN AND DOOR CLOSE BUTTONS.
4. INSPECTION KEY-SWITCH.
5. ELEVATOR DATA PLATE MARKED WITH ELEVATOR CAPACITY AND CAR NUMBER.
6. HELP BUTTON: THE HELP BUTTON SHALL INITIATE TWO-WAY COMMUNICATION BETWEEN THE CAR AND A LOCATION INSIDE THE BUILDING, SWITCHING OVER TO ANOTHER LOCATION IF THE CALL IS UNANSWERED. WHERE PERSONNEL ARE AVAILABLE WHO CAN TAKE THE APPROPRIATE ACTION. VISUAL INDICATORS ARE PROVIDED FOR CALL INITIATION AND CALL ACKNOWLEDGEMENT.
7. LANDING PASSING SIGNAL: A CHIME BELL SHALL SOUND IN THE CAR TO SIGNAL THAT THE CAR IS EITHER STOPPING AT OR PASSING A FLOOR SERVED BY THE ELEVATOR.
8. IN CAR STOP SWITCH.
9. FIREFIGHTER'S HAT.
10. FIREFIGHTER'S PHASE II KEY-SWITCH.
11. CALL CANCEL BUTTON.

C. CAR POSITION INDICATOR: A DIGITAL, LED CAR POSITION INDICATOR SHALL BE INTEGRAL TO THE CAR OPERATING PANEL.

D. HALL FIXTURES: HALL FIXTURES SHALL BE PROVIDED WITH NECESSARY PUSH BUTTONS AND KEY SWITCHES FOR ELEVATOR OPERATION. HALL FIXTURES SHALL FEATURE ROUND STAINLESS STEEL, MECHANICAL BUTTONS MARKED TO CORRESPOND TO THE LANDINGS. HALL FIXTURES TO BE LOCATED IN THE HALL BETWEEN THE JAMBS. BUTTONS SHALL BE IN VERTICALLY MOUNTED FIXTURE. FIXTURE SHALL BE SATIN STAINLESS STEEL.
1. VANDAL RESISTANT, FLAT FLUSH STAINLESS STEEL BUTTON WITH BLUE LED ILLUMINATING CENTER JEWEL.

E. CAR LANTERN AND CHIME: A DIRECTIONAL LANTERN VISIBLE FROM THE CORRIDOR SHALL BE PROVIDED IN THE CAR ENTRANCE. WHEN THE CAR STOPS AND THE DOORS ARE OPENING, THE LANTERN SHALL INDICATE THE DIRECTION IN WHICH THE CAR IS TO TRAVEL AND A CHIME WILL SOUND.

F. ACCESS KEY-SWITCH AT TOP FLOOR IN ENTRANCE JAMB.

G. ACCESS KEY-SWITCH AT LOWEST FLOOR IN ENTRANCE JAMB.

PART 3 - EXECUTION

3.01 PREPARATION

A. TAKE FIELD DIMENSIONS AND EXA

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
24-8289

Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Fire Protection Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026

KEYNOTE INDEX

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1.03 DASHED LINE INDICATES CLEAR FLOOR AREA FOR HANDICAP ACCESSIBILITY
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1.06 OPEN TO BEYOND
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1.10 ROOF PARAPET, SEE WALL SECTIONS AND ROOF DETAILS
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2.01 PROPERTY OR LOT LINE, REFER TO CIVIL DRAWINGS
2.02 FINISHED GRADE OR PAVEMENT, REFER TO CIVIL DRAWINGS
2.10 REFER TO CIVIL DRAWINGS FOR ALL PAVEMENT/SURFACING BEYOND BUILDING AND SIDEWALK INCLUDING ALL PAVEMENT MARKINGS, PARKING STRIPPING, HC GRAPHICS, CROSSWALKS AND DIRECTIONAL ARROWS
2.11 TOP OF PAVEMENT, SEE CIVIL DRAWINGS
2.20 CONCRETE SIDEWALK, 4" THICK 3,000 PSI W/ 6 X 6, W1.4 X W1.4 WWM. PROVIDE 12" DEEP X 8" WIDE TURNED DOWN EDGE WITH (1) #5 REBAR CONTINUOUS AT PERIMETER. REFER TO SIDEWALK DETAIL AND NOTES ON **SHEET A5.2** FOR REQUIREMENTS
2.23 CONCRETE CURB, REFER TO STRUCTURAL DRAWINGS
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3.08 PROVIDE 1 1/2" DEEP DAP-OUT RECESS (WIDTH AS INDICATED) IN CONCRETE SLAB EDGE, TYP. U.O.N.
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3.10 CONTINUOUS CONCRETE FOOTING, REFER TO FOUNDATION PLAN AND DETAILS FOR REQUIREMENTS
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4.10 CONCRETE MASONRY UNIT (CMU), WIDTH AS INDICATED, REFER TO STRUCTURAL DRAWINGS FOR REINFORCEMENT AND FILLED CELL LOCATIONS
4.12 PRECAST CONCRETE LINTEL, GROUT FILLED WITH GROUT FILLED KNOCK-OUT BLOCK ABOVE (AS APPLICABLE). REFER TO STRUCTURAL DRAWINGS EXACT CONFIGURATION AND REINFORCEMENT REQUIREMENTS
4.13 CMU KNOCK-OUT BLOCK BOND BEAM, GROUT FILLED. REFER TO STRUCTURAL DRAWINGS EXACT CONFIGURATION AND REINFORCEMENT REQUIREMENTS
4.15 8" CMU WITH 9 GA. HORIZONTAL JOINT REINFORCEMENT (LADDER TYPE) AT 16" O.C. VERTICAL
4.16 GROUT FILLED CMU CELL REINFORCED WITH (1) #5 VERTICAL FROM FOOTING TO TOP OF BOND BEAM AT 2'-8" O.C. MAXIMUM AND AT WALL CORNERS AND TERMINATIONS
4.17 (2) COURSES 8" CMU KNOCK-OUT BLOCKS GROUT FILLED WITH (1) #5 BAR CONTINUOUS AT EACH COURSE

DIVISION 5 - METALS

5.11 STEEL BEAM, REFER TO STRUCTURAL DRAWINGS
5.40 METAL STUD FRAMING (WIDTH AS INDICATED), REFER TO STRUCTURAL DRAWINGS FOR GAUGE, SPACING AND CONNECTION DETAILS
5.51 ROOF ACCESS LADDER WITH ROOF HATCH ABOVE. REFER TO DETAIL ON **SHEET A6.1**
5.54 ELEVATOR PIT ACCESS LADDER, REFER TO DETAILS ON **SHEET A6.1**
5.55 SHOP FABRICATED STEEL STAIR STRINGER, CHECKER PLATE STEEL TREAD PAN AND RISER. REFER TO STAIR SECTIONS FOR DESIGN INTENT. GC SHALL PROVIDE SHOP DRAWINGS FROM STEEL STAIR FABRICATOR
5.56 SHOP FABRICATED STEEL DECK AT STAIR LANDING. REFER TO STAIR SECTIONS FOR DESIGN INTENT. GC SHALL PROVIDE SHOP DRAWINGS FROM STEEL STAIR FABRICATOR
5.57 1 1/2" DIA. STEEL PIPE GUARDRAIL, PAINTED
5.58 1 1/4" DIA. STEEL PIPE HANDRAIL, PAINTED
5.59 1 1/2" DIA. STEEL POST, PAINTED
5.60 1/2" X 1/2" STEEL PICKETS (PAINTED) AT 4" O.C. MAXIMUM, PAINTED
5.61 1 1/2" DIA. STEEL PIPE RAIL/BARRIER (PAINTED), 27" HIGH (MAXIMUM). LOCATE BARRIER AS REQUIRED TO ISOLATE AREAS UNDER STAIRS WHERE CLEAR HEAD HEIGHT IS LESS THAN 80" ABOVE FINISHED FLOOR
5.62 1 1/2" DIA. STEEL PIPE BOTTOM RAIL AT 1 1/2" ABOVE STRINGER OR LANDING, PAINTED
5.63 STEEL CHANNEL STRINGER, PAINTED. REFER TO STRUCTURAL DRAWINGS AND STEEL STAIR FABRICATOR SHOP DRAWINGS
5.80 VERTICAL WALL REINFORCEMENT IN GROUT FILLED CELL, TYP. REFER TO STRUCTURAL DRAWINGS

DIVISION 6 - WOOD AND PLASTICS

6.10 PT 2 X WOOD BLOCKING, BUCK OR DRAFT STOP
6.11 PT 1 X WOOD BLOCKING OR BUCK
6.12 PT WOOD SHIM AS REQUIRED
6.15 PT 2 X WOOD PLATE WITH 1/2" DIAMETER ANCHOR BOLTS (6" MINIMUM EMBEDMENT) AT 4'-0" O.C. MAX.
6.21 5/8" CDX PLYWOOD, REFER TO STRUCTURAL DRAWINGS AS REQUIRED

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

7.03 PRE-FORMED JOINT FILLER (3/4" MAX.) CUT BACK EXCESS BELOW SLAB AND PROVIDE SEALANT BEAD, CONTINUOUS. DO NOT PLUG WEEP HOLES
7.04 PROVIDE ROOFTOP WALKWAY PADS AS SHOWN AND AROUND ALL ROOFTOP EQUIPMENT
7.08 SEALANT AND BACKER ROD, CONTINUOUS. SEALANT COLOR TO MATCH ADJACENT MATERIAL AS APPLICABLE
7.09 SEALANT BEAD, CONTINUOUS. SEALANT COLOR TO MATCH ADJACENT MATERIAL AS APPLICABLE
7.12 SINGLE-PLY ROOF MEMBRANE OVER (**R-25**) RIGID INSULATION, REFER TO SPECIFICATIONS
7.13 SINGLE-PLY ROOF MEMBRANE FULLY ADHERED TO REAR FACE OF PARAPET (OR CURB). EXTEND FROM TOP OF COUNTERFLASHING (OR ROOF AS APPLICABLE), OVER PARAPET AND TERMINATE BEHIND HOLD DOWN CLEAT
7.15 ROOFING MEMBRANE FLASHING STRIP OVER TPO COATED ROOF EDGE METAL
7.16 MANUFACTURER APPROVED PLATES FASTENED WITH MANUFACTURER APPROVED FASTENERS
7.18 HEAT WELDED SEAM AT SINGLE-PLY MEMBRANE
7.31 PREFINISHED ALUMINUM DOWNSPOUT (SIZE AS INDICATED ON ROOF PLAN) WITH STRAPS AT 6'-0" O.C. MAXIMUM, DISCHARGE ON SPLASH BLOCK
7.39 PREFINISHED ALUMINUM GUTTER (0.040" THICK X SIZE INDICATED ON ROOF PLAN) CONSTRUCT PER SMACNA FIGURE 1-2, STYLE A WITH 3/4" X 3/4" GUTTER BEAD AND GUTTER HANGERS AT 36" O.C. MAXIMUM. REFER TO EXTERIOR FINISH SCHEDULE
7.40 EXTERIOR INSULATION FINISH SYSTEM (EIFS). ACRYLIC FINISH COAT ON INSULATION BOARD (THICKNESS AS INDICATED) ON 5/8" DENSGLASS GOLD SHEATHING (OR OVER CEMENT PLASTER AS APPLICABLE). REFER TO EXTERIOR ELEVATIONS AND EXTERIOR FINISH SCHEDULE FOR COLOR AND TEXTURE REQUIREMENTS. PROVIDE HIGHEST LEVEL OF MANUFACTURER'S IMPACT MESH WITHIN 12" OF ALL CORNERS AND FROM LOWEST POINT TO AT LEAST 8'-0" A.F.F. REFER TO SPECIFICATIONS
7.41 HIGH DENSITY EXPANDED POLYSTYRENE TRIM OR CORNICE MOULDING WITH EIFS ACRYLIC FINISH COAT. REFER TO NOTES ON EXTERIOR ELEVATIONS AND EXTERIOR FINISH SCHEDULE. REFER ALSO TO PROFILES ON **SHEET A5.4**
7.43 DIRECT APPLIED EIFS ACRYLIC FINISH COAT OVER 5/8" DENSGLASS GOLD SHEATHING. **REFER TO DETAILS ON SHEET A2.0A** (1)
7.44 PROVIDE MANUFACTURER'S STANDARD BACKWRAP AT EIFS TERMINATION.
7.45 MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCE BETWEEN EIFS FINISH AND FINISHED GRADE. TERMINATE EIFS WITH MANUFACTURER'S RECOMMENDED BACKWRAP. PROVIDE DIRECT APPLIED ACRYLIC (EIFS) FINISH AT ALL EXPOSED CONCRETE SLAB OR CMU STEM WALL FOUNDATION CONDITIONS
7.46 PROVIDE RECESS IN EIFS. REFER TO WALL SECTIONS AND ENLARGED ELEVATIONS ON **SHEETS A1.6** AND **A3.2**
7.47 EXTERIOR INSULATION FINISH SYSTEM (EIFS): ACRYLIC FINISH COAT ON INSULATION BOARD (THICKNESS AS INDICATED) OVER CMU WALL. REFER TO EXTERIOR ELEVATIONS AND EXTERIOR FINISH SCHEDULE FOR COLOR AND TEXTURE REQUIREMENTS. PROVIDE HIGHEST LEVEL OF MANUFACTURER'S IMPACT MESH WITHIN 12" OF ALL CORNERS AND FROM LOWEST POINT TO AT LEAST 8'-0" A.F.F. REFER TO SPECIFICATIONS
7.48 TOOLED DRIP, CONTINUOUS
7.49 TOOLED JOINT IN EIFS, 'V' GROOVE WITH 3/4" MAXIMUM DEPTH
7.50 PAPER OR FOIL FACED BATT INSULATION AT WALL CAVITY (THICKNESS AS INDICATED)
7.54 PROVIDE CLASS 'A' NON-COMBUSTIBLE INJECTED FOAM FILL INSULATION AT ALL CMU NON-GROUTED CMU CELLS IN WALLS SEPARATING CONDITIONED AND NON-CONDITIONED AREAS
7.55 TAPERED INSULATION, WITH 1/2" PER FOOT MINIMUM SLOPE. PROVIDE AT LOCATIONS INDICATED INCLUDING ALL ROOF MOUNTED EQUIPMENT CURBS
7.56 SOUND ATTENUATION BATT INSULATION REQUIRED ABOVE CEILING (THICKNESS AS INDICATED)
7.80 PREFINISHED 24 GA. ALUMINUM COPING, SLOPED TO FACILITATE DRAINAGE. PROVIDE WITH COPED SEAMS PER NRCA 'J5 THRU 'J12'. SEE TYP. ROOF DETAILS. REFER TO EXTERIOR FINISH SCHEDULE FOR COLOR
7.81 PREFINISHED 24 GA. METAL DRIP EDGE / GRAVEL STOP (4" OR AS INDICATED). SET IN BED OF COMPATIBLE ROOF CEMENT AND AFFIX WITH CONTINUOUS HOLD DOWN CLEAT. PRIME COAT TOP PRIOR TO APPLICATION OF SINGLE-PLY FLASHING STRIP. REFER TO EXTERIOR FINISH SCHEDULE FOR COLOR
7.86 CUSTOM RECEIVER FOR TWO-PIECE COPING ASSEMBLY AND CEMENT PLASTER STOP, CONTINUOUS
7.87 MECHANICAL FASTENER WITH NEOPRENE WASHER

DIVISION 8 - DOORS AND WINDOWS

8.02 ALUMINUM SILL PAN FLASHING WITH FINISH TO MATCH ALUMINUM STOREFRONT FRAME COMPONENTS. INSTALL PER MANUFACTURER'S RECOMMENDED DETAILS. SET IN SEALANT BED OVER SLAB OR WALL EDGE
8.06 PROVIDE SOLID GROUT FILL AT HOLLOW METAL FRAME
8.10 ALUMINUM STOREFRONT SYSTEM, REFER TO FRAME OPENING SCHEDULE AND EXTERIOR FINISH SCHEDULE
8.11 ALUMINUM STOREFRONT ENTRANCE SYSTEM, REFER TO FRAME OPENING SCHEDULE AND EXTERIOR FINISH SCHEDULE
8.15 AUTOMATIC SLIDING ENTRANCE DOOR, REFER TO FRAME OPENING SCHEDULE AND EXTERIOR FINISH SCHEDULE
8.20 HOLLOW METAL DOOR AND FRAME, REFER TO FRAME OPENING SCHEDULE. PROVIDE (3) JAMB ANCHORS PER SIDE
8.21 HOLLOW METAL CASED OPENING, REFER TO FRAME OPENING SCHEDULE
8.40 24" X 24" CEILING MOUNTED ACCESS PANEL WITH LOCK. PAINT TO MATCH ADJACENT CEILING SURFACE
8.42 EXTERIOR RATED ACCESS PANEL (24"W X 30"H) MANUFACTURED BY BEST ACCESS DOORS, TEL (800)403-0823, MODEL NO. BA-BXTA-H-24-30. REFER TO NOTES AND DETAILS ON SHEET A6.3
8.43 ELEVATOR HOISTWAY ACCESS PANEL (16" X 16"), FIRE RATED (1 1/2 HOUR, "B" LABEL) WITH SECURITY CAGE AS MANUFACTURED BY J.M CONSTRUCTION, TEL. (800)554-6077. ACCESS PANEL SHALL BE EXTERIOR RATED, SELF-CLOSING AND LOCKABLE. REFER TO NOTES AND DETAILS ON SHEET A6.3
8.50 ADA COMPLIANT ALUMINUM THRESHOLD, 1/4" HIGH X 4" WIDE X FULL LENGTH OF OPENING. THRESHOLD SHALL HAVE BEVELED EDGES AND SHALL BE RIBBED. SET IN BED OF SEALANT
8.57 RAIN DRIP, REFER TO HARDWARE SCHEDULE
8.60 OVERHEAD COILING DOOR, REFER TO FRAME OPENING SCHEDULE
8.70 ROOF ACCESS HATCH: 48" X 48", MODEL NO. F-20HZ (STEEL) AS MANUFACTURED BY THE BILCO CO. PROVIDE MODEL 2, TYPE "S" WITH "LADDER-UP" SAFETY POST. SECURE SCUTTLE TO ROOF STRUCTURAL STEEL WITH THRU BOLTS ACCORDING TO MANUFACTURER'S DIRECTIONS. HINGE PINS ARE TO BE WELDED NON-REMOVEABLE. LADDER-UP SAFETY POST TO BE INSTALLED ON RIGHT SIDE OF LADDER

DIVISION 9 - FINISHES

9.06 COLUMN WRAP AT LOADING AREA. CONSTRUCT WITH EIFS FINISH OVER 1 1/2" INSULATION BOARD OVER 5/8" DENSGLASS GOLD SHEATHING OVER 4" METAL STUD FRAMING BY THE PEMB. REFER TO ENLARGED DETAIL ON SHEET A1.4
9.17 PROVIDE 2-HOUR RATED CHASE FOR BDA RISERS, CONSTRUCT PER UL DESIGN NO. U415 OR EQUAL AT NON LOAD-BEARING WALLS, AND UL DESIGN NO. U425 OR EQUAL AT LOAD-BEARING WALL. PROVIDE 90-MINUTE RATED LOCKABLE ACCESS PANEL ON ALL LEVELS FOR FUTURE ACCESS.
9.20 5/8" GYPSUM WALLBOARD (GWB), MOISTURE RESISTANT IS REQUIRED AT ALL PLUMBING WALLS
9.21 5/8" TYPE 'X' FIRE RATED GYPSUM WALLBOARD (GWB)
9.22 5/8" DENSGLASS GOLD SHEATHING
9.24 5/8" DENSDECK ROOF BOARD
9.30 TILE, REFER TO FINISH SCHEDULE
9.50 SUSPENDED GRID AND ACOUSTICAL TILE CEILING (ACT), REFER TO FINISH SCHEDULE. CENTER GRID IN ROOM U.O.N. **SEE ALSO DETAILS AND INSTALLATION INSTRUCTIONS ON SHEET A2.0** (1)
9.51 5/8" GWB CEILING (PAINTED) OVER 6" 20 GA. METAL STUDS AT 16" O.C. **REFER TO DETAIL ON SHEET A2.0** (1)
9.62 VINYL BASE, REFER TO FINISH SCHEDULE
9.63 WOOD BASE, REFER TO FINISH SCHEDULE
9.71 FIBERGLASS REINFORCED PLASTIC (FRP) WALL PANELS TO 4'-0" A.F.F., REFER TO FINISH SCHEDULE
9.90 PAINT, REFER TO FINISH SCHEDULE
9.91 EPOXY PAINT, REFER TO FINISH SCHEDULE
9.92 PAINT ALL EXPOSED STRUCTURE AND DUCTWORK, REFER TO FINISH SCHEDULE

DIVISION 10 - SPECIALTIES

10.05 TENANT ADDRESS/SPACE NUMBER, PROVIDE MIN. 6" HIGH NUMBERS (IN CONTRASTING COLOR TO BACKGROUND) SO THAT NUMBERS ARE PLAINLY VISIBLE FROM THE STREET. REFER TO NOTES ON **SHEET A3.0**
10.10 WALL SIGN LOCATION. SIGN TO BE PERMITTED AND INSTALLED BY OWNER'S SIGN VENDOR. SHELL G.C. SHALL REFER TO ELECTRICAL FOR POWER REQUIREMENTS. PROVIDE 5/8" FRT PLYWOOD SHEATHING IN LIEU OF DENSGLASS SHEATHING WHERE APPLICABLE AT SIGN LOCATIONS. RUN ALL CONDUIT TIGHT TO ROOF STRUCTURE. SEAL ALL WALL PENETRATIONS
10.19 INTERNALLY LIT WALL MOUNTED SIGN. GC TO PROVIDE BLOCKING AS NECESSARY. REFER ALSO TO ELECTRICAL DRAWINGS
10.20 HANDICAP GRAB BARS, BOBRICK B-6806X42 AND B-6806X36 (HORIZONTAL) AND B-6806X18 (VERTICAL). PROVIDE IN-WALL SUPPORT BLOCKING AS RECOMMENDED BY MANUFACTURER
10.21 CHANNEL FRAMED MIRROR, BOBRICK B-165 2436. PROVIDE IN-WALL SUPPORT BLOCKING AS RECOMMENDED BY MANUFACTURER
10.22 WALL MOUNTED TOILET PAPER DISPENSER, BOBRICK B-2888. PROVIDE IN-WALL SUPPORT BLOCKING AS RECOMMENDED BY MANUFACTURER
10.24 SURFACE MOUNTED SOAP DISPENSER, GOJO ADX-7 SERIES (GREY)
10.25 ELECTRIC HAND DRYER, XLERATOR XL-BH (120V). PROVIDE IN-WALL SUPPORT BLOCKING AS RECOMMENDED BY MANUFACTURER. REFER TO ELECTRICAL DRAWINGS
10.50 KNOX BOX, RECESS MOUNTED (UNLESS OTHERWISE NOTED). COORDINATE EXACT MODEL AND MOUNTING LOCATION WITH FIRE MARSHAL
10.61 FIRE EXTINGUISHER, SLB 2A-10B-C IN SEMI-RECESSED CABINET WITH FULL GLASS VISION PANEL. CABINET SHALL BE J.L. INDUSTRIES, CLASSIC SERIES
10.70 CONTRACTOR PROVIDED HANDICAP RESTROOM SIGNAGE. COMPLY WITH ADA REGULATIONS WITH PICTOGRAMS, RAISED LETTERS AND BRAILLE IDENTIFICATION. REFER TO MOUNTING DETAIL ON **SHEET A1.4**. SIGN TO BE BY COMPLIANCESIGNS.COM. RRE-120, COLOR: WHITE ON BLUE UNLESS CODE DICTATES OTHERWISE
10.71 WALL SIGN, 'AREA OF REFUGE' DIRECTIONS FOR CALL BOX USE' AND CALL BOX LOCATION
10.72 WALL SIGN 'AREA OF REFUGE' POSTED ON LATCH SIDE OF DOOR MOUNTED 5'-0" A.F.F.
10.73 WALL MOUNTED SIGN, 'AREA OF REFUGE', ILLUMINATED. REFER TO ELECTRICAL DRAWINGS
10.74 CONTRACTOR PROVIDED TACTILE EXIT SIGNAGE. COMPLY WITH ADA REGULATIONS WITH PICTOGRAMS, RAISED LETTERS AND BRAILLE IDENTIFICATION, AS WELL AS NFPA 101 SECTION 7.10.1.3 AND ICC/ANSI A117.1. REFER TO MOUNTING DETAILS ON SHEET LS1.0. SIGN TO BE BY COMPLIANCESIGNS.COM. RRE-178/A-99, OR EQUAL. COLOR: WHITE ON BLUE UNLESS CODE DICTATES OTHERWISE
10.90 MANUAL ROLLER SHADE SYSTEM 'MECHO/S SYSTEM BY MECHOSYSTEMS TV 6450 SERIES DENSE BASKET WEAVE, PVC COATED POLYESTER, 5703-53 OPEN SHADE CLOTH. COLOR TO BE BLACK/EBONY

DIVISION 11 - EQUIPMENT

11.12 MICROWAVE (WHIRLPOOL WMH31017HB) PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. REFER ALSO TO THE ELECTRICAL DRAWINGS. GC TO CONFIRM ANY REQUIREMENTS WITH OWNER PRIOR TO ORDER AND INSTALLATION
11.13 REFRIGERATOR (WHIRLPOOL WRT549SZDB) PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. REFER ALSO TO THE ELECTRICAL AND PLUMBING DRAWINGS. GC TO CONFIRM ANY REQUIREMENTS WITH OWNER PRIOR TO ORDER AND INSTALLATION
11.14 DISHWASHER (ADA HEIGHT GE GDT225SGLBB) PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. REFER ALSO TO THE ELECTRICAL AND PLUMBING DRAWINGS. GC TO CONFIRM ANY REQUIREMENTS WITH OWNER PRIOR TO ORDER AND INSTALLATION
11.15 UNDERCOUNTER BEVERAGE CENTER (HAIER HEBF100BXS) PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. REFER ALSO TO THE ELECTRICAL DRAWINGS. GC TO CONFIRM ANY REQUIREMENTS WITH OWNER PRIOR TO ORDER AND INSTALLATION
11.30 60" VIDEO MONITOR (WALL MOUNTED, U.N.O.) PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. GC TO PROVIDE BLOCKING AS NECESSARY. REFER ALSO TO THE ELECTRICAL DRAWINGS. GC TO CONFIRM ANY REQUIREMENTS WITH OWNER PRIOR TO ORDER AND INSTALLATION

DIVISION 12 - FURNISHINGS

12.03 BREAK ROOM MILLWORK, REFER TO ENLARGED PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
12.04 SALES DESK MILLWORK, PROVIDED BY GENERAL CONTRACTOR THRU MILLWORK VENDOR AND INSTALLED BY GENERAL CONTRACTOR. REFER TO ENLARGED PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION. GC TO CONFIRM ANY REQUIREMENTS WITH OWNER PRIOR TO ORDER AND INSTALLATION
12.05 SALES CABINET MILLWORK, PROVIDED BY GENERAL CONTRACTOR THRU MILLWORK VENDOR AND INSTALLED BY GENERAL CONTRACTOR. REFER TO ENLARGED PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION. GC TO CONFIRM ANY REQUIREMENTS WITH OWNER PRIOR TO ORDER AND INSTALLATION
12.06 SLAT WALL WITH BASE DECK MILLWORK, PROVIDED BY GENERAL CONTRACTOR THRU MILLWORK VENDOR AND INSTALLED BY GENERAL CONTRACTOR. REFER TO ENLARGED PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION. GC TO CONFIRM ANY REQUIREMENTS WITH OWNER PRIOR TO ORDER AND INSTALLATION
12.13 DVR CABINET, PROVIDED BY GENERAL CONTRACTOR THRU MILLWORK VENDOR AND INSTALLED BY GENERAL CONTRACTOR.
12.17 BEVERAGE STATION MILLWORK, PROVIDED BY GENERAL CONTRACTOR THRU MILLWORK VENDOR AND INSTALLED BY GENERAL CONTRACTOR. REFER TO ENLARGED PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION. GC TO CONFIRM ANY REQUIREMENTS WITH OWNER PRIOR TO ORDER AND INSTALLATION

DIVISION 13 - SPECIAL CONSTRUCTION

13.22 PRE-ENGINEERED SUSPENDED ALUMINUM CANOPY, PREFINISHED. SEE DETAILS ON **SHEET A1.6**
13.23 PRE-ENGINEERED SUSPENDED ALUMINUM EYEBROW CANOPY, PREFINISHED. SEE DETAILS ON **SHEET A1.6**
13.24 PREFINISHED ALUMINUM FRAMED BAHAMA SHUTTER. REFER TO WALL SECTIONS AND DETAILS ON **SHEET A1.6. REFER ALSO TO EXTERIOR FINISH SCHEDULE ON SHEET A3.3**
13.30 ALUMINUM TUBE AWNING FRAME, 1 1/2" X 1 1/2". REFER TO DETAIL ON **SHEET A1.6** AND EXTERIOR FINISH SCHEDULE
13.32 AWNING ATTACHMENT TO WALL (INCLUDING FASTENERS AND INTERNAL WALL BLOCKING SHALL BE SPECIFIED IN THE AWNING FABRICATOR'S ENGINEERED SHOP DRAWINGS. SEE NOTES AND DETAILS ON **SHEET A1.6**
13.40 LIGHT GAUGE METAL STUD FRAMING BY THE **PRE-ENGINEERED METAL BUILDING MANUFACTURER (PEMB)**. DEPTH INDICATED REPRESENTS DESIGN INTENT. REFER TO ENGINEERED DRAWINGS BY SPECIALTY ENGINEER FOR DEPTH, GAUGE, SPACING AND ALL CONNECTION / BRACING DETAILS
13.42 METAL ROOF DECKING PROVIDED AND INSTALLED BY THE PEMB
13.43 METAL TOP TRACK OR PLATE PROVIDED AND INSTALLED BY THE PEMB
13.44 STEEL LEDGER AND ANCHOR BY THE PEMB
13.47 METAL STUD WALL BRACING PROVIDED AND INSTALLED BY THE PEMB
13.50 PRE-ENGINEERED STEEL STRUCTURE BY THE **PRE-ENGINEERED METAL BUILDING MANUFACTURER (PEMB)**. THE GENERAL CONTRACTOR SHALL SUBMIT FULLY ENGINEERED SHOP DRAWINGS WITH SIGNED AND SEALED DESIGN CALCULATIONS TO THE ARCHITECT OF RECORD FOR REVIEW AND APPROVAL PRIOR TO SUBMITTAL TO THE BUILDING DEPARTMENT
13.52 PREFINISHED METAL WALL PANELS OVER METAL STUD FRAMING OR FURRING BY THE **PEMB**
13.54 ROOF OR WALL INSULATION BY THE **PEMB**. **REFER TO SCHEDULE UNDER PRE-ENGINEERED METAL BUILDING NOTES ON SHEET A0.4**
13.55 METAL BOX BEAM HEADER OR COLUMN FRAMING BY THE PEMB
13.56 STEEL BEAM, ANGLE, TUBE OR COLUMN FRAMING BY THE PEMB
13.57 STEEL BENT PLATE AT CONCRETE SLAB EDGE BY THE **PEMB**
13.58 STEEL ROOF PURLIN OR CEE FRAMING BY THE **PEMB**
13.60 METAL CLIP ANGLE TO BE PROVIDED AND INSTALLED BY THE **PEMB**
13.70 HALLWAY/STORAGE SYSTEM (HALLWAY, PARTITIONS, OVERHEAD COILING DOORS, TRIMS AND ASSOCIATED FASTENERS AND HARDWARE BY HALLWAY/STORAGE SYSTEMS MANUFACTURER
13.71 48" HIGH DIAMOND PLATE METAL CORNER GUARD WRAP, 6" EACH LEG, BY HALLWAY/STORAGE SYSTEMS MANUFACTURER
13.72 12" HIGH DIAMOND PLATE CART BUMPER BY HALLWAY/STORAGE SYSTEMS MANUFACTURER. INSTALL 6" ABOVE FINISHED FLOOR. INSTALL AT ALL HALLWAY WALL SURFACES WITHIN 25'-0" (MINIMUM) DISTANCE FROM THE ELEVATOR. DOTTED AREA INDICATES THE MINIMUM GENERAL AREA WHERE DIAMOND PLATE CART BUMPER IS TO BE INSTALLED ALONG THE HALLWAY WALLS
13.73 FAUX OVERHEAD METAL COILING DOOR BY HALLWAY/STORAGE SYSTEM MANUFACTURER
13.74 PREFINISHED RIBBED METAL PANEL LINER, INCLUDING ALL ASSOCIATED TRIM AND HARDWARE BY HALLWAY/STORAGE SYSTEM MANUFACTURER
13.76 PREFINISHED METAL SWINGING DOOR, INCLUDING ASSOCIATED HARDWARE AND LOCK SET BY HALLWAY/STORAGE SYSTEM MANUFACTURER, TYPICAL AT ACCESS TO DISPLAY AREAS
13.77 PROTECTIVE PREFINISHED METAL 'WRAP', INCLUDING ALL ASSOCIATED TRIM AND FRAMING TO BE PROVIDED AND INSTALLED BY HALLWAY/STORAGE SYSTEM MANUFACTURER AT ALL REFRIGERATION PIPING AND CONDENSATE PIPING. THE PROTECTIVE METAL WRAP SHALL EXTEND FROM FINISHED FLOOR TO THE TOP OF THE HALLWAY SYSTEM PARTITION. COORDINATE WITH MECHANICAL AND PLUMBING DRAWINGS
13.81 PREFINISHED SMOOTH METAL LINER PANEL AT DISPLAY AREA WALLS IN

SHOP DRAWING SUBMITTAL REQUIREMENTS

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
3/31/2026
Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Fire Review - Mike Hopkins FI... - Reviewed - 3/30/2026

REQ'D	
	DIVISION 02 - SITE WORK
●	TERMITE TREATMENT
●	PRODUCT DATA OF REGISTERED TERMICIDES
●	CERTIFICATE OF COMPLIANCE
●	SUBMIT TO BUILDING DEPARTMENT UPON COMPLETION
●	CONTAINS REQUIRED STATEMENT PER FBC 1816.1
	PATIO RAILING
	PRODUCT DATA AND CUT SHEETS
	DETAILS
	SAMPLES (ONLY WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)
	PATIO PAVERS
	PRODUCT DATA AND CUT SHEETS
	DETAILS
	SAMPLES (ONLY WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)
	BIKE RACK (COORDINATE WITH CIVIL)
	PRODUCT DATA AND CUT SHEETS
	DETAILS
●	DOWNSPOUT TRANSITION BOOT
●	PRODUCT DATA AND CUT SHEETS
	DIVISION 03 - CONCRETE
●	REINFORCING SHOP DRAWINGS
	SHORING PLAN (IF APPLICABLE)
●	MIX DESIGN
●	INDEX WITH MIX CODE AND DESCRIPTION
●	ACI STATISTICAL ANALYSIS AND TEST REPORTS
●	AGENTS AND ADMIXTURES PRODUCT DATA
●	FIBER REINFORCEMENT PRODUCT DATA
●	CONCRETE ACCESSORIES
●	VAPOR BARRIER
●	WATER STOP
●	FIBER EXPANSION JOINT
●	BOND BREAKER
●	EVAPORATIVE RETARDER
●	CURING COMPOUND
●	NON-SHRINK GROUT
●	PATCHING MATERIAL
●	BONDING AGENT
●	EPOXY ADHESIVE
●	DOWELS
●	WIRE MESH
●	REINFORCING SUPPORTS
●	PRODUCT DATA AND CUT SHEETS
●	PRECAST CONCRETE LINTELS
●	PRODUCT DATA AND CUT SHEETS
	ARCHITECTURAL PRECAST CONCRETE
	PROJECT SPECIFIC DETAILS
	PRODUCT DATA AND CUT SHEETS
	DIVISION 4 - MASONRY
●	CONCRETE MASONRY UNITS
●	REINFORCING SHOP DRAWINGS
●	GROUT MIX DESIGN
●	ANALYSIS AND TEST REPORTS
●	AGENTS AND ADMIXTURES
●	SPLIT FACE CERTIFICATION AND TEST REPORTS
●	STANDARD LOAD BEARING UNITS CERTIFICATION AND TEST REPORTS
●	CMU ACCESSORIES PRODUCT DATA
●	TRUSS/LADDER REINFORCING
	WITH ADJUSTABLE BRICK TIE (WHEN REQUIRED)
●	MORTAR MIX
●	MORTAR COLOR CHART (IF NOT SPECIFIED WHEN USED WITH INTEGRAL COLOR CMU)
●	PRECAST LINTEL
	ADJUSTABLE DOVETAIL ANCHORS (MASONRY TO CONCRETE)
	STANDARD BRICK VENEER
	PRODUCT DATA
	SAMPLES (WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)
	ACCESSORIES PRODUCT DATA
	BRICK TIE (STANDARD BRICK VENEER)
	NON-INSULATED CAVITY
	DW-10 ADJUSTABLE - CMU, METAL OR WOOD STUD BACKUP
	150 TRUSS BOX - MESH (NON-ADJUSTABLE) - CMU BACKUP
	305 DOVETAIL SLOT W / FLEXIBLE DOVETAIL TIE - CONCRETE
	INSULATED CAVITY
	HB 213 ADJUSTABLE - METAL AND WOOD STUD BACKUP
	170 ADJUSTABLE TRUSS - CMU BACKUP
	305 DOVETAIL SLOT W / FLEXIBLE DOVETAIL TIE - CONCRETE
	MORTAR MIX
	MORTAR COLOR CHART (IF NOT SPECIFIED)
	THROUGH WALL FLASHING & ACCESSORIES
	FLEXIBLE MEMBRANE FLASHING
	METAL DRIP EDGE
	TERMINATION BAR
	MORTAR NET
	WEEP VENT
	THIN BRICK
	PRODUCT DATA
	SAMPLES (WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)
	THIN BRICK ACCESSORIES
	THIN SET MORTAR
	MORTAR COLOR CHART (IF NOT SPECIFIED)
	WEEP SCREED
	MANUFACTURED STONE
	PRODUCT DATA
	SAMPLES (WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)
	CULTURED STONE ACCESSORIES
	MORTAR MIX
	MORTAR COLOR CHART (IF NOT SPECIFIED)
	LATH
	GALVANIZED METAL LATH - CMU BACKUP
	PAPER BACKED METAL LATH - STEEL OR WOOD STUD BACKUP

REQ'D	
	DIVISION 5 - METALS
●	REBAR (SEE CONCRETE AND MASONRY)
●	STRUCTURAL STEEL
●	SHOP DRAWINGS
●	ANCHOR BOLTS LAYOUT
●	STEEL ERECTION AND FABRICATION DRAWINGS
●	TEST REPORT AND CERTIFICATES
●	WELDER QUALIFICATIONS
●	MILL ANALYSIS AND TEST REPORTS
●	METAL JOISTS
●	ERECTION PLANS AND DETAILS
●	METAL DECK
●	PRODUCT DATA / CUT SHEETS
●	LAYOUT / ERECTION SHOP DRAWINGS
●	COLD FORMED / LIGHT GAGE STEEL FRAMING
●	PRODUCT DATA / CUT SHEETS
●	ENGINEERED SHOP DRAWINGS
●	SIGNED AND SEALED ERECTION PLANS W / DETAILS
●	SIGNED AND SEALED CALCULATIONS
●	MISCELLANEOUS METAL FABRICATIONS
●	STEEL STAIRS AND RAILINGS
●	ENGINEERED SHOP DRAWINGS
●	SIGNED AND SEALED ERECTION PLANS W / DETAILS
●	GROUTING PLANS (IF ANCHORING TO CMU)
●	SIGNED AND SEALED CALCULATIONS
●	LADDERS
●	SHOP DRAWINGS W / DETAILS
●	ROOF ACCESS
●	ELEVATOR PIT
●	ELEVATOR SUMP PIT COVERS
●	SHOP DRAWINGS W / DETAILS
●	GATES FOR DUMPSTER ENCLOSURE
●	SHOP DRAWINGS W / DETAILS
●	STEEL PIPE BOLLARDS
●	SHOP DRAWINGS W / DETAILS
	DIVISION 06 - WOOD AND PLASTIC
	WOOD TRUSSES
	SIGNED AND SEALED ENGINEERED SHOP DRAWINGS
	SIGNED AND SEALED CALCULATIONS
●	PLYWOOD AND WOOD BLOCKING
●	PRODUCT DATA / CUT SHEETS
●	EXTERIOR PRESSURE TREATED
●	EXTERIOR FIRE TREATED
●	INTERIOR FIRE TREATED
●	MILLWORK / CABINETRY
●	FABRICATION SHOP DRAWINGS
●	FINISH AND COLOR SELECTION CHARTS
●	SAMPLES FOR VERIFICATION (IF NOT AS SPECIFIED)
	DIVISION 07 - THERMAL AND MOISTURE PROTECTION
●	TYPE OF AIR AND WATER - RESISTIVE BARRIER AS SPECIFIED
●	PRODUCT DATA / CUT SHEETS TO INCLUDE ALL REQUIRED ACCESSORY PRODUCTS
●	VAPOR IMPERMEABLE AWB
●	HOT, HUMID CLIMATE (ZONE 1 AND 2)
	FRAMED CONSTRUCTION - SHEET OR FLUID APPLIED
	CONCRETE OR CMU BACKUP - FLUID APPLIED
●	VAPOR PERMEABLE AWB
●	HOT, HUMID CLIMATE (ZONE 1 AND 2; INTERIOR SURFACES MUST NOT ACT AS VAPOR RETARDER)
	FRAMED CONST. (AS LONG AS INT. SURFACES DO NOT ACT AS VAP. RET. - SHT OR FLUID APP.
	CONCRETE OR CMU BACKUP - FLUID APPLIED
	MIXED CLIMATE (ZONE 3 AND 4)
	FRAMED (NO VAPOR RETARDER INSIDE) - SHEET OR FLUID APPLIED
	CONCRETE OR CMU (NO VAPOR RETARDER INSIDE) - FLUID APPLIED
	COLD NORTHERN CLIMATE (ZONE 5+ OR HIGH MOISTURE LOADED BUILDINGS)
	FRAMED (VAPOR RETARDER INSIDE) - SHEET OR FLUID APPLIED
	CONCRETE OR CMU (VAPOR RETARDER INSIDE) - FLUID APPLIED
●	JOB SPECIFIC DETAILS AND MANUFACTURERS STANDARD DETAILS
●	SAMPLE WARRANTY
	DAMPROOFING AND WATERPROOFING
●	BELOW OR ABOVE GRADE PRODUCTS AS SPECIFIED (ABOVE GRADE IF AIR BARRIER NOT REQUIRED)
●	PRODUCT DATA/ CUT SHEETS TO INCLUDE ALL REQUIRED ACCESSORY PRODUCTS
●	DAMPROOFING
●	FLUID - APPLIED
●	WATERPROOFING (NON-HYDROSTATIC CONDITION)
●	CEMENTITIOUS WATERPROOFING
●	BENTONITE WATERPROOFING
●	SHEET WATERPROOFING
●	WATERPROOFING (HYDROSTATIC CONDITION W / HEAD PRESSURE)
●	SHEET WATERPROOFING
●	JOB SPECIFIC DETAILS AND MANUFACTURER STANDARD DETAILS
●	SAMPLE WARRANTY
●	THERMAL PROTECTION
●	THERMAL INSULATION TYPE AS SCHEDULED
●	PRODUCT DATA/ CUT SHEETS TO INCLUDE ALL REQUIRED ACCESSORIES
●	FIBERGLASS
●	MINERAL WOOL
●	CELLULOSE
●	POLYURETHANE FOAM (XPS)
●	POLYSTYRENE (EPS)
●	SPRAY POLYURETHANE FOAM
	COMPOSITE WALL PANEL SYSTEM / SIDING
	FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION
	APPROVED FOR USE OUTSIDE HVHZ
	APPROVED FOR IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)
	PRODUCT DATA / CUT SHEET WITH ALL REQUIRED ACCESSORIES
	NICHIHA
	HARDIE SIDING
	ACM
	SHOP DRAWINGS WITH PROJECT SPECIFIC DETAILS
	COLOR SELECTION CHART
	SAMPLES FOR VERIFICATION (IF NOT AS SPECIFIED)
	SAMPLE WARRANTY
	PRE-FORMED METAL WALL PANELS
	FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION
	APPROVED FOR USE OUTSIDE HVHZ
	APPROVED FOR IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)
	PRODUCT DATA / CUT SHEET WITH ALL REQUIRED ACCESSORIES
	SHOP DRAWINGS WITH PROJECT SPECIFIC DETAILS
	COLOR SELECTION CHART
	SAMPLES FOR VERIFICATION (IF NOT AS SPECIFIED)
	SAMPLE WARRANTY

REQ'D	
●	ROOFING
●	ROOFING SYSTEM AS SPECIFIED
●	FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION
●	APPROVED FOR USE OUTSIDE HVHZ
	APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)
●	PRODUCT DATA / CUT SHEETS WITH REQUIRED ACCESSORIES
	ASPHALT SHINGLES
	ROOF TILES
	ARCHITECTURAL STANDING SEAM
	STRUCTURAL SEAMED METAL
●	MEMBRANE ROOFING
	BUILT - UP
●	SINGLE - PLY MEMBRANE
●	SHOP DRAWINGS WITH PROJECT SPECIFIC DETAILS
●	KEY PLAN
●	TERMINATION / TIE - IN DETAILS TO ADJACENT CONSTRUCTION
●	TAPER INSULATION PLAN WITH DETAILS INDICATING SLOPE
●	LAYOUT FOR WALKWAY PADS
●	COLOR SELECTION CHART
●	SAMPLES FOR VERIFICATION (IF NOT AS SPECIFIED)
●	SAMPLE WARRANTY
	15 YEAR NDL
●	20 YEAR NDL
●	FLASHING AND SHEET METAL
●	FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION
●	APPROVED FOR USE OUTSIDE HVHZ
	APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)
●	PRODUCT DATA / CUT SHEET - MANUFACTURED PRODUCTS
●	SHOP DRAWINGS WITH PROJECT SPECIFIC DETAILS TO INCLUDE BUT NOT LIMITED TO:
●	FLASHING AND COUNTERFLASHING
●	COPING CAP AND EDGE METAL / GRAVEL STOPS FASCIA
●	SCUPPER, EMERGENCY OVERFLOW AND DOWNSPOUTS
●	GUTTER AND DOWNSPOUTS
●	ROOF SPECIALTIES
●	FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION
●	APPROVED FOR USE OUTSIDE HVHZ
	APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)
●	PRODUCT DATA / CUT SHEET - MANUFACTURED PRODUCTS
●	ROOF ACCESS HATCH
●	ROOF ACCESS EXTENSION POLE
	ROOF EXPANSION ASSEMBLIES
	SOFFIT PANELS
	MANUFACTURED SOFFIT PANELS AS SPECIFIED
	FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION
	APPROVED FOR USE OUTSIDE HVHZ
	APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)
	PRODUCT DATA / CUT SHEETS WITH ALL REQUIRED ACCESSORIES
	SHOP DRAWINGS WITH PROJECT SPECIFIC DETAILS
	COLOR SELECTION CHART
	SAMPLES FOR VERIFICATION (IF NOT AS SPECIFIED)
●	JOINT SEALANTS
●	TYPE AND LOCATIONS AS SPECIFIED
●	PRODUCT DATA / CUT SHEETS
●	COLOR SELECTION CHART
	DIVISION 8 - DOORS AND WINDOWS
●	DOORS, FRAMES AND FINISH HARDWARE
●	FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION
●	APPROVED FOR USE OUTSIDE HVHZ
	APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)
●	SCHEDULE
●	OPENINGS SCHEDULE
●	FINISH HARDWARE SCHEDULE
●	PRODUCT DATA / CUT SHEETS
●	ACCESS DOORS AND PANELS
	FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION (EXTERIOR APPLICATION)
●	APPROVED FOR USE OUTSIDE HVHZ
	APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)
●	PRODUCT DATA / CUT SHEETS
●	SYSTEM PRODUCT DATA
●	GLAZING PRODUCT DATA / PERFORMANCE CUT SHEET
●	SEALANT PRODUCT DATA
●	ALUMINUM TO ALUMINUM
●	GLAZING TO ALUMINUM
●	ALUMINUM TO SUBSTRATE
●	SHOP DRAWINGS WITH PROJECT SPECIFIC DETAILS TO INCLUDE GLAZING SCHEDULE
●	FINISH HARDWARE SCHEDULE
	COLOR SELECTION CHART
●	SAMPLES FOR VERIFICATION
	WINDOWS
	FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION (EXTERIOR APPLICATION)
	APPROVED FOR USE OUTSIDE HVHZ
	APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)
	PRODUCT DATA / CUT SHEETS
	SHOP DRAWINGS WITH PROJECT SPECIFIC DETAILS
	COLOR SELECTION CHART
	SAMPLES FOR VERIFICATION (IF NOT AS SPECIFIED)

REQ'D	
	DIVISION 9 - FINISHES
●	EXTERIOR INSULATED FINISH SYSTEM
●	FLORIDA PRODUCT APPROVAL / MIAMI-DADE NOA DOCUMENTATION (EXTERIOR APPLICATION)
●	APPROVED FOR USE OUTSIDE HVHZ
	APPROVED FOR USE IN HVHZ (BROWARD AND MIAMI-DADE COUNTY)
●	PRODUCT DATA / CUT SHEETS WITH ALL REQUIRED ACCESSORIES
●	SHOP DRAWINGS WITH PROJECT SPECIFIC DETAILS
	COLOR SELECTION CHART (IF NOT AS SPECIFIED)
	SAMPLES FOR VERIFICATION (IF NOT AS SPECIFIED)
	STUCCO
	PRODUCT DATA / CUT SHEETS WITH ALL REQUIRED ACCESSORIES
	DIRECT APPLIED TO CONCRETE BLOCK
	STUCCO CEMENT
	FIBER REINFORCEMENT
	BONDING AGENT
	VINYL ACCESSORIES AND WEEP SCREED
	ACRYLIC DPR FINISH
	COLOR SELECTION CHART (IF NOT AS SPECIFIED)
	OVER LATH (FRAMED CONSTRUCTION)
	STUCCO CEMENT
	FIBER REINFORCEMENT
	PAPER BACKED METAL LATH
	VINYL ACCESSORIES AND WEEP SCREED
	ACRYLIC DPR FINISH
	COLOR SELECTION CHART (IF NOT AS SPECIFIED)
●	EXTERIOR PAINTING
●	SCHEDULE
●	SAMPLES (ONLY WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)
●	EXTERIOR SHEATHING
●	PRODUCT DATA AND CUT SHEETS
●	INTERIOR FLOOR AND WALL FINISHES
●	PRODUCT DATA AND CUT SHEETS
●	SAMPLES (ONLY WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)
	DIVISION 10 - SPECIALITIES
●	CANOPIES AND AWNINGS
●	PRODUCT DATA AND CUT SHEETS
●	PROJECT SPECIFIC DETAILS
●	ENGINEERING CERTIFICATION
●	SAMPLES (ONLY WHEN DEVIATING FROM SPECIFIED OR WHEN UNSPECIFIED)
	GREEN SCREEN
	PRODUCT DATA AND CUT SHEETS
	CONFIRMATION OF COLORS OR MATERIALS
●	TOILET ACCESSORIES
●	PRODUCT DATA AND CUT SHEETS
	DIVISIONS 11 - 13 - NOT USED
	DIVISION 14 - CONVEYING SYSTEMS
●	ELEVATORS
●	PRODUCT DATA AND CUT SHEETS
●	PROJECT SPECIFIC DETAILS
	DIVISION 15 - MECHANICAL / PLUMBING
●	CONDENSER UNITS
●	PRODUCT DATA AND CUT SHEETS
●	WARRANTY INFORMATION
●	EQUIPMENT CURBS AND RACKS
●	PRODUCT DATA AND CUT SHEETS
●	EXHAUST FANS
●	PRODUCT DATA AND CUT SHEETS
●	DUCTWORK
●	PRODUCT DATA AND CUT SHEETS
●	AIR DEVICES
●	PRODUCT DATA AND CUT SHEETS
●	PLUMBING FIXTURES
●	PRODUCT DATA AND CUT SHEETS
●	PIPING MATERIAL AND ACCESSORIES
●	PRODUCT DATA AND CUT SHEETS
	BOOSTER PUMP
	PRODUCT DATA AND CUT SHEETS
	ROOF DRAINS
	PRODUCT DATA AND CUT SHEETS
	DIVISION 16 - ELECTRICAL
●	SITE LIGHTING
●	PRODUCT DATA AND CUT SHEETS
●	LIGHT POLE CUT SHEET AND ENGINEERING
●	BUILDING LIGHTING
●	PRODUCT DATA AND CUT SHEETS
●	LIGHTING CONTROLS
●	PRODUCT DATA AND CUT SHEETS
●	ELECTRICAL DEVICES SENSORS
●	PRODUCT DATA AND CUT SHEETS
●	ELECTRICAL GEAR
●	PRODUCT DATA AND CUT SHEETS
●	ELECTRICAL SYSTEMS
●	PRODUCT DATA AND CUT SHEETS

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GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision descriptions

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

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comm. no.

REQUIRED SUBMITTALS INDEX

A0.6

2/24/2026 11:18 AM

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
24-8289 3/31/2026

Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
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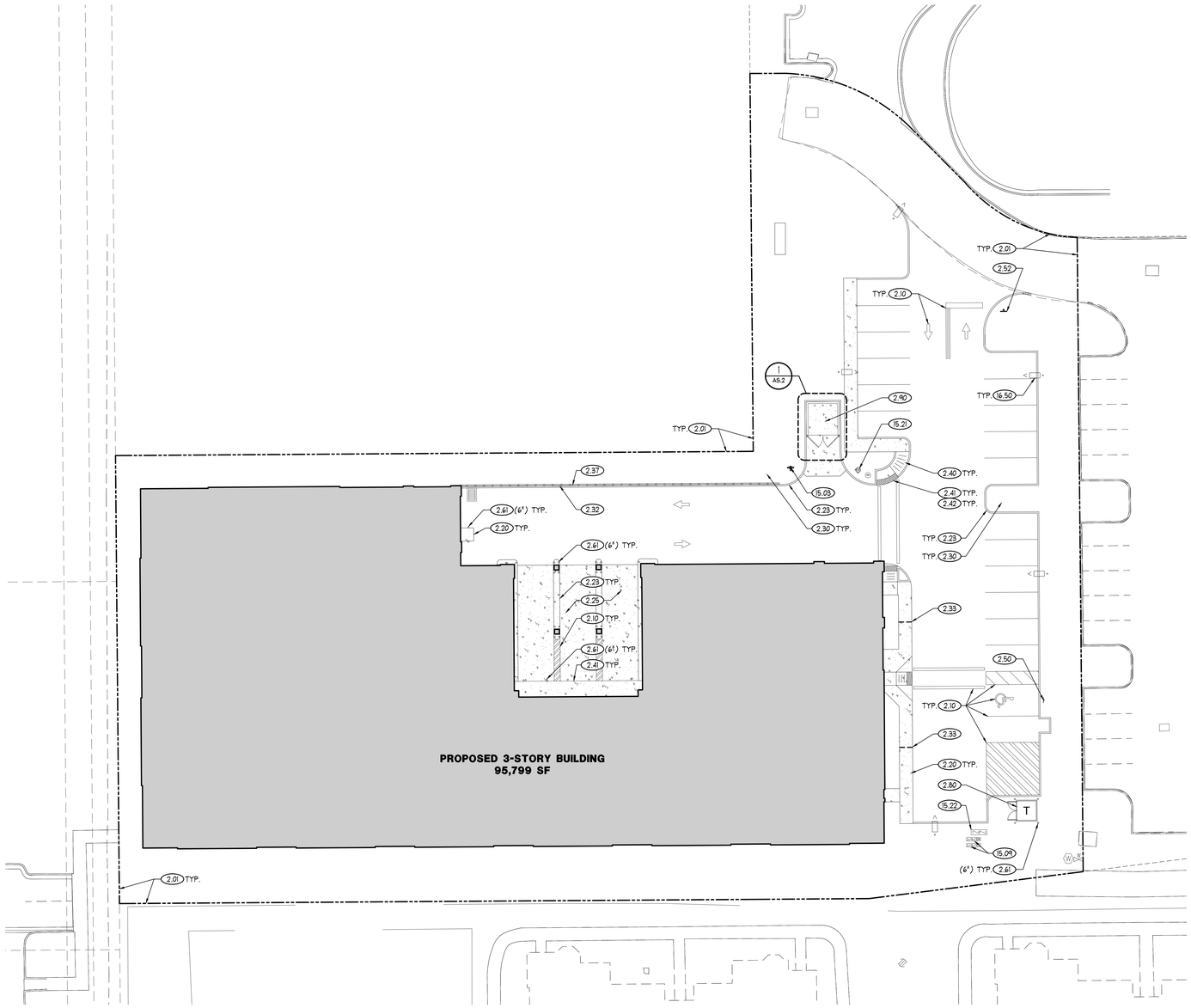
Fire Review - Mike Hudkins - NA to Private Provider - 3/30/2026



ARCHITECTURAL SITE PLAN

SCALE: 1:20

NORTH

GENERAL NOTES

1. AT THE BUILDING EXTERIOR, THE GC SHALL BE RESPONSIBLE FOR ALL SUB-GRADE ELECTRICAL CONDUIT AND FOUNDATIONS (AS APPLICABLE) FOR SITE LIGHTING. REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC REQUIREMENTS FOR CONDUIT RUNS

REFER TO THE CIVIL DRAWINGS FOR DIMENSIONS OF ALL ITEMS OUTSIDE OF THE BUILDING PERIMETER INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, PARKING STALLS, LOADING AREAS, LANDSCAPE AREAS AND DRIVE AISLES

IN ADDITION, REFER TO CIVIL DRAWINGS FOR ALL FINISHED PAVEMENT AND GRADE ELEVATIONS

REQUIREMENTS FOR EXTERIOR CONCRETE:

PERIMETER SIDEWALK: SHALL BE A MINIMUM OF 4" THICK, 3,000 PSI CONCRETE REINFORCED WITH 6" X 6", W1.4 X W1.4 WWM AND 1'-0" DEEP X 8" WIDE THICKENED SLAB EDGE, NATURAL GRAY COLOR. SURFACE TO RECEIVE MEDIUM BROOM FINISH. MEDIUM BROOM FINISH. RETOOL (WITH HAND EDGER) ALL CONTROL JOINTS AND EXPANSION JOINTS AFTER BROOM FINISHING TO ACHIEVE "PICTURE FRAME" IN CONCRETE. THIS SHALL INCLUDE ALL ABUTMENTS TO WALLS, CURBS, COLUMNS, ETC.

SIDEWALK CONTROL JOINTS SHALL BE SPACED BY NO MORE THAN 5'-0" IN EITHER DIRECTION WITH PRE-MOLDED EXPANSION JOINTS LOCATED EVERY 20'-0" MAX.

REFER TO EXTERIOR ELEVATIONS AND WALL SECTIONS FOR EXTERIOR WALL FINISHES

DOWNSPOUT REQUIREMENTS:

ALL DOWNSPOUTS SHALL SPILL ON TO GRADE THROUGH A CONCRETE SPLASH BLOCK. REFER TO CIVIL DRAWINGS FOR REQUIREMENTS.

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID

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ARCHITECTURAL SITE PLAN

AS.1

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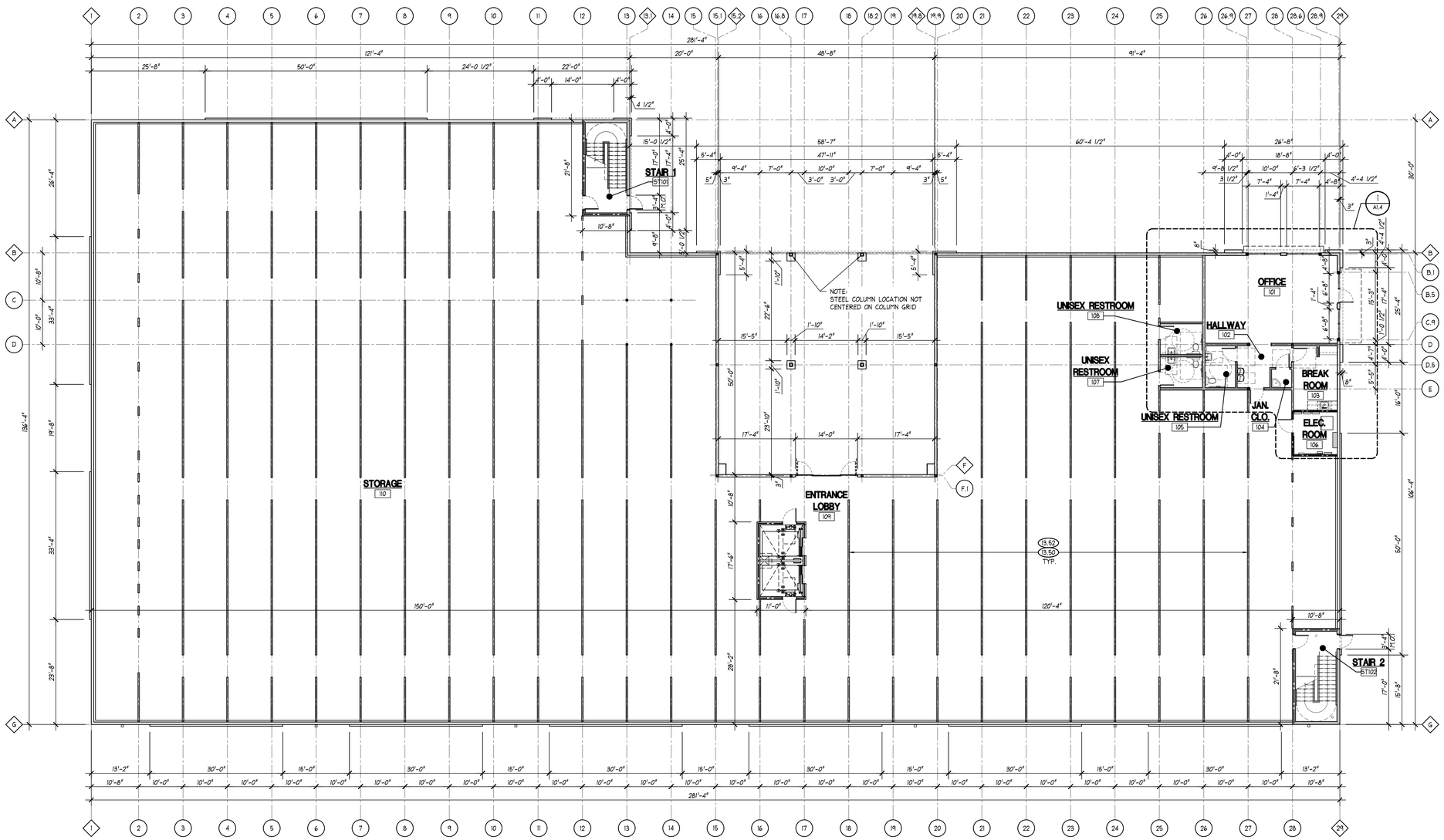

FIRST FLOOR DIMENSION PLAN

SCALE: 3/32" = 1'-0"

NORTH

GENERAL NOTES

DIMENSION NOTES:
THE FIRST FLOOR DIMENSION PLAN INDICATES THE PRIMARY BUILDING DIMENSIONS INCLUDING THE PERIMETER WALLS, INTERIOR LOAD BEARING WALL GRID, THE STAIR AND ELEVATOR SHAFTS. AT UPPER FLOOR LEVELS, THESE DIMENSIONS ARE NOT DUPLICATED. RATHER, AT UPPER FLOOR PLANS THE ONLY DIMENSIONS PROVIDED ARE THOSE SPECIFIC TO EACH FLOOR

REFER TO CIVIL DRAWINGS FOR ALL ELEVATIONS AND GRADES. ADDITIONALLY, REFER TO CIVIL DRAWINGS FOR DIMENSIONS OF ALL ITEMS OUTSIDE OF THE BUILDING INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, PARKING STALLS, LOADING AREAS, LANDSCAPE AREAS AND DRIVE AISLES

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID

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FIRST FLOOR
DIMENSION PLAN

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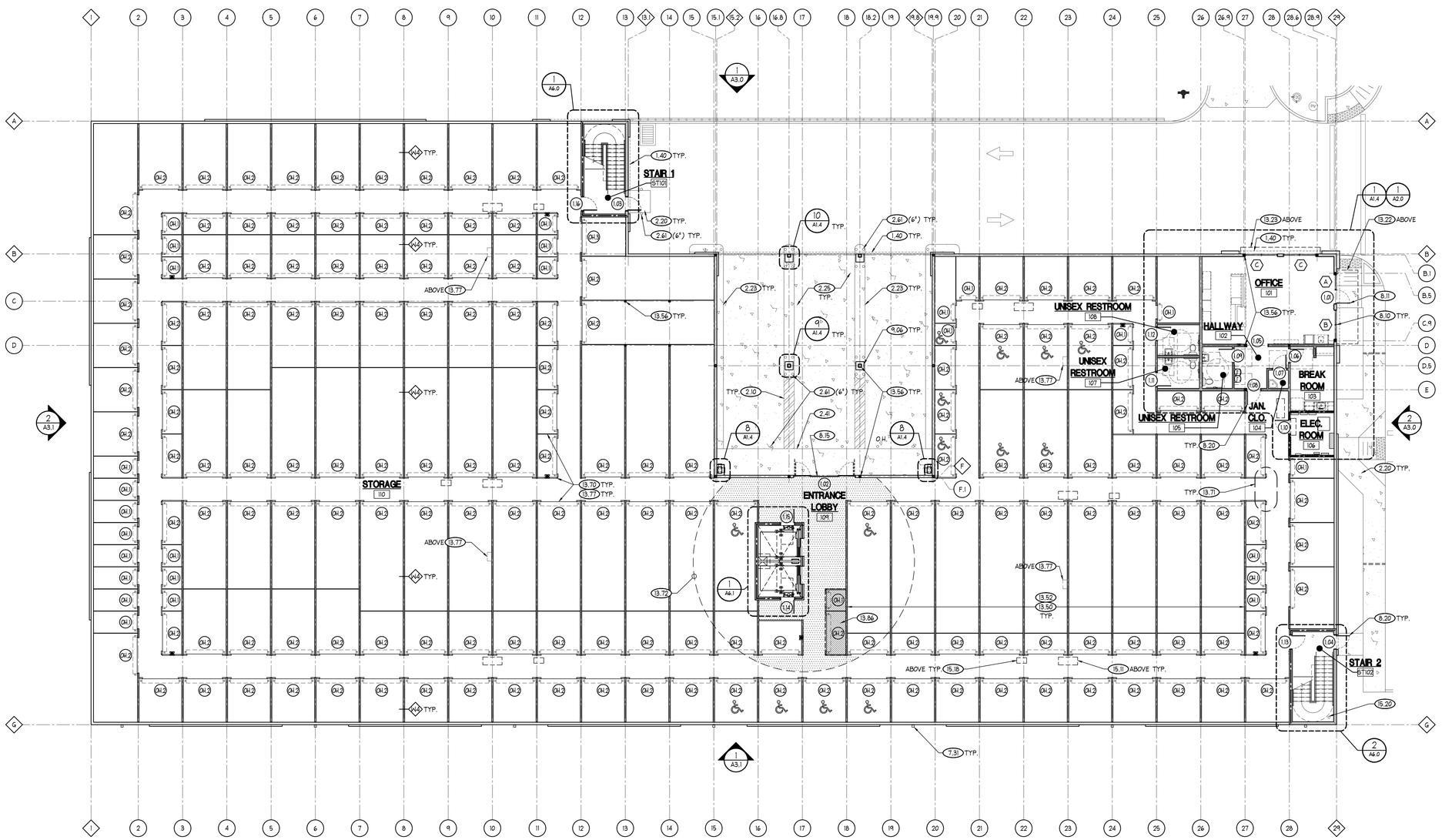

FIRST FLOOR PLAN

SCALE: 3/32" = 1'-0"

NORTH

GENERAL NOTES

1. ALL DIMENSIONS ARE TO FINISHED FACE OF GWB PARTITIONS, FACE OF METAL STUD/CMU AND CENTERLINE OF COLUMNS UNLESS OTHERWISE INDICATED

REFER TO THE CIVIL DRAWINGS FOR DIMENSIONS OF ALL ITEMS OUTSIDE OF THE BUILDING PERIMETER INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, PARKING STALLS, LOADING AREAS, LANDSCAPE AREAS AND DRIVE AISLES

IN ADDITION, REFER TO CIVIL DRAWINGS FOR ALL FINISHED PAVEMENT AND GRADE ELEVATIONS

REFER TO THE FLOOR DIMENSION PLAN ON SHEET A1.0A FOR THE PRIMARY BUILDING DIMENSIONS AND GENERAL DIMENSIONING NOTES

REFER TO THE WALL LEGEND AND INTERIOR PARTITION TYPES ON SHEET A1.4

REFER TO THE EXTERIOR ELEVATIONS ON SHEETS A3.0 AND A3.1 FOR WALL SECTION CUT LOCATIONS AND EXTERIOR FINISH SCHEDULE

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID

PRE-ENGINEERED METAL BUILDING NOTES

REFER TO PRE-ENGINEERED METAL BUILDING NOTES ON SHEET A0.4 FOR SCOPE OF WORK BREAKDOWN

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FIRST FLOOR PLAN

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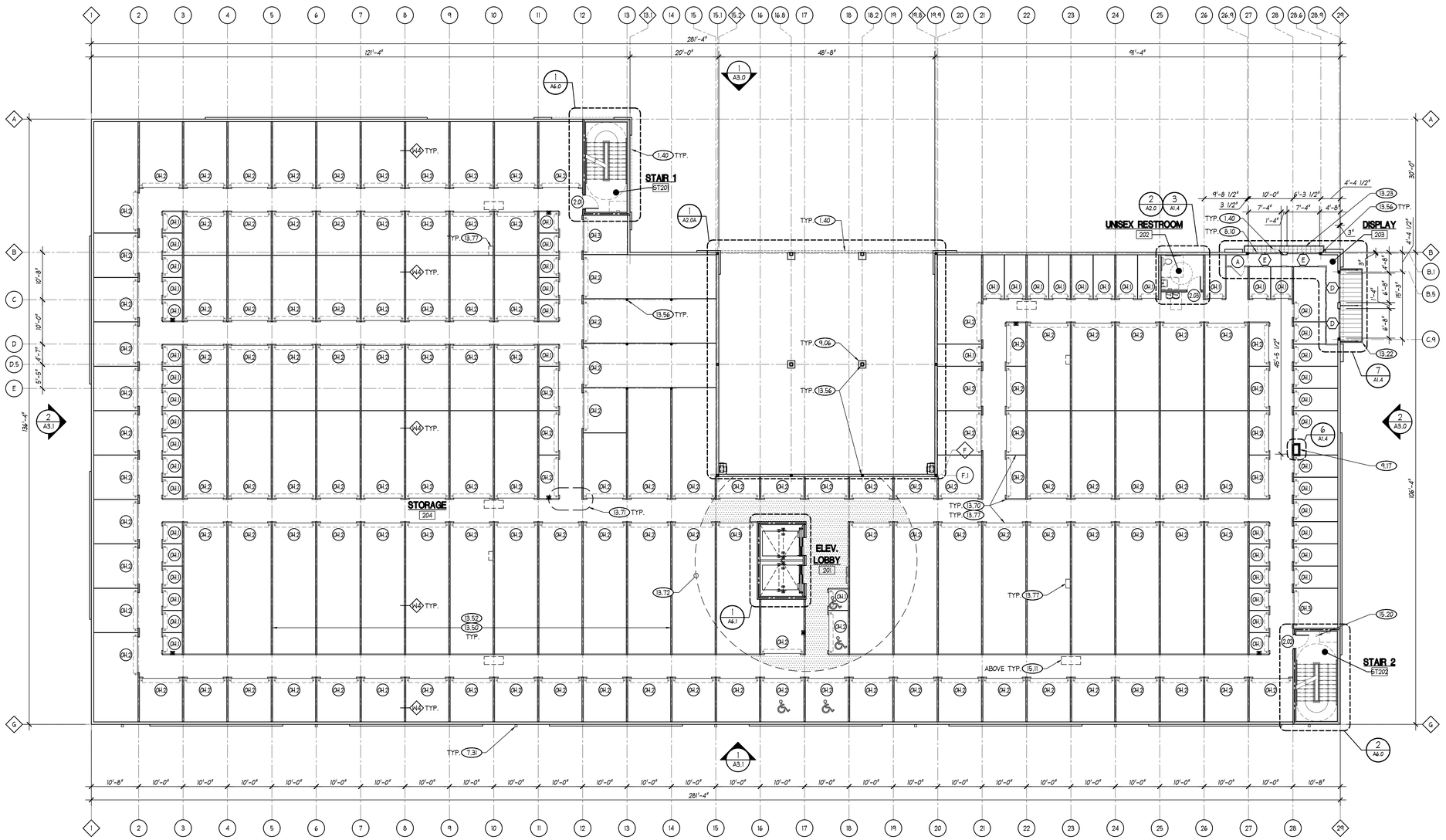


SECOND FLOOR PLAN

SCALE: 3/32" = 1'-0"

NORTH

GENERAL NOTES

1. ALL DIMENSIONS ARE TO FINISHED FACE OF GWB PARTITIONS, FACE OF METAL STUD/CMU AND CENTERLINE OF COLUMNS UNLESS OTHERWISE INDICATED

REFER TO THE CIVIL DRAWINGS FOR DIMENSIONS OF ALL ITEMS OUTSIDE OF THE BUILDING PERIMETER INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, PARKING STALLS, LOADING AREAS, LANDSCAPE AREAS AND DRIVE AISLES

IN ADDITION, REFER TO CIVIL DRAWINGS FOR ALL FINISHED PAVEMENT AND GRADE ELEVATIONS

REFER TO THE FLOOR DIMENSION PLAN ON SHEET A1.0A FOR THE PRIMARY BUILDING DIMENSIONS AND GENERAL DIMENSIONING NOTES

REFER TO THE WALL LEGEND AND INTERIOR PARTITION TYPES ON SHEET A1.4

REFER TO THE EXTERIOR ELEVATIONS ON SHEETS A3.0 AND A3.1 FOR WALL SECTION CUT LOCATIONS AND EXTERIOR FINISH SCHEDULE

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID

PRE-ENGINEERED METAL BUILDING NOTES

REFER TO PRE-ENGINEERED METAL BUILDING NOTES ON SHEET A0.4 FOR SCOPE OF WORK BREAKDOWN

FWH Architects
3336 Grand Blvd. Suite 201
Holiday, Florida 34690
Ph. 727. 815. 3336
FABER@FWHARCHITECTS.COM

TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision descriptions

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

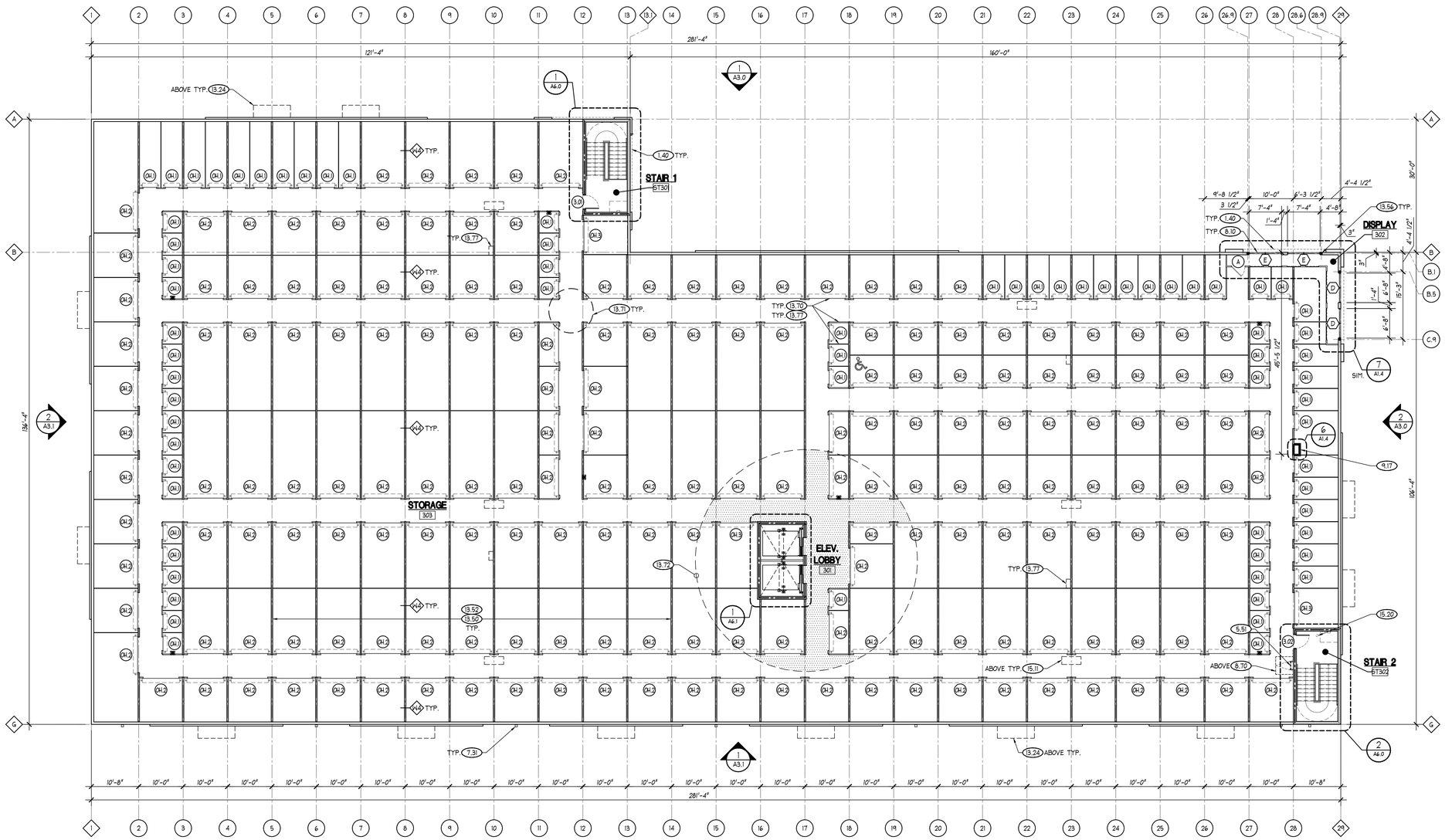
SECOND FLOOR PLAN

A1.1

2/27/2026 10:51 AM

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
24-8289 3/31/2026

Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Fire Review - Mike Hudkins - NA to Private Provider - 3/30/2026



THIRD FLOOR PLAN

SCALE: 3/32" = 1'-0"

NORTH

GENERAL NOTES

1. ALL DIMENSIONS ARE TO FINISHED FACE OF GWB PARTITIONS, FACE OF METAL STUD/CMU AND CENTERLINE OF COLUMNS UNLESS OTHERWISE INDICATED

REFER TO THE CIVIL DRAWINGS FOR DIMENSIONS OF ALL ITEMS OUTSIDE OF THE BUILDING PERIMETER INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, PARKING STALLS, LOADING AREAS, LANDSCAPE AREAS AND DRIVE AISLES

IN ADDITION, REFER TO CIVIL DRAWINGS FOR ALL FINISHED PAVEMENT AND GRADE ELEVATIONS

REFER TO THE FLOOR DIMENSION PLAN ON SHEET A1.0A FOR THE PRIMARY BUILDING DIMENSIONS AND GENERAL DIMENSIONING NOTES

REFER TO THE WALL LEGEND AND INTERIOR PARTITION TYPES ON SHEET A1.4

REFER TO THE EXTERIOR ELEVATIONS ON SHEETS A3.0 AND A3.1 FOR WALL SECTION CUT LOCATIONS AND EXTERIOR FINISH SCHEDULE

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID

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REFER TO PRE-ENGINEERED METAL BUILDING NOTES ON SHEET A0.4 FOR SCOPE OF WORK BREAKDOWN

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GUY F. FABER
FL License No. AR0015323
seal

rev.	date	revision descriptions

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

THIRD FLOOR PLAN

A1.2

2/27/2026 10:55 AM

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
24-8289 3/31/2026

Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
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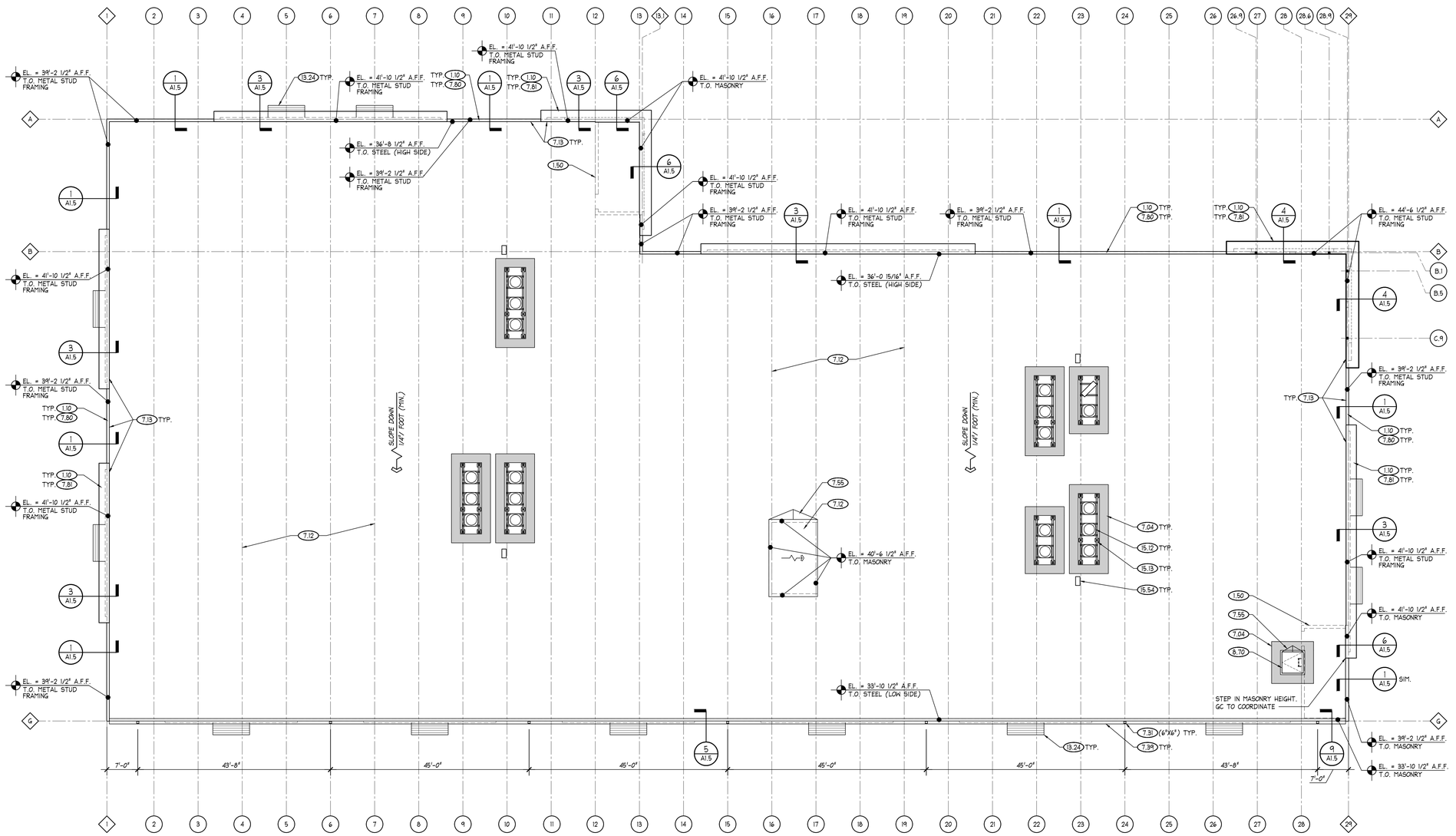
Fire Review - Mike Hudkins - NA to Private Provider - 3/30/2026



ROOF PLAN

SCALE: 3/32" = 1'-0"

NORTH

GENERAL NOTES

DOWNSPOUT REQUIREMENTS:

ALL DOWNSPOUTS SHALL SPILL ON TO GRADE THROUGH A CONCRETE SPLASH BLOCK. REFER TO CIVIL DRAWINGS FOR REQUIREMENTS.

REFER TO WALL SECTIONS FOR DESCRIPTION OF CANOPIES AND AWNINGS AND REFERENCES TO DETAILS

REFER TO WALL SECTIONS FOR REFERENCES TO PARAPET AND ROOF DETAILS. SEE PEMB DRAWINGS FOR JOIST REQUIREMENTS

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID

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DAVENPORT, FLORIDA 33896

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25035
comm. no.

ROOF PLAN

A1.3

2/24/2026 11:18 AM

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
24-8289 3/31/2026

Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
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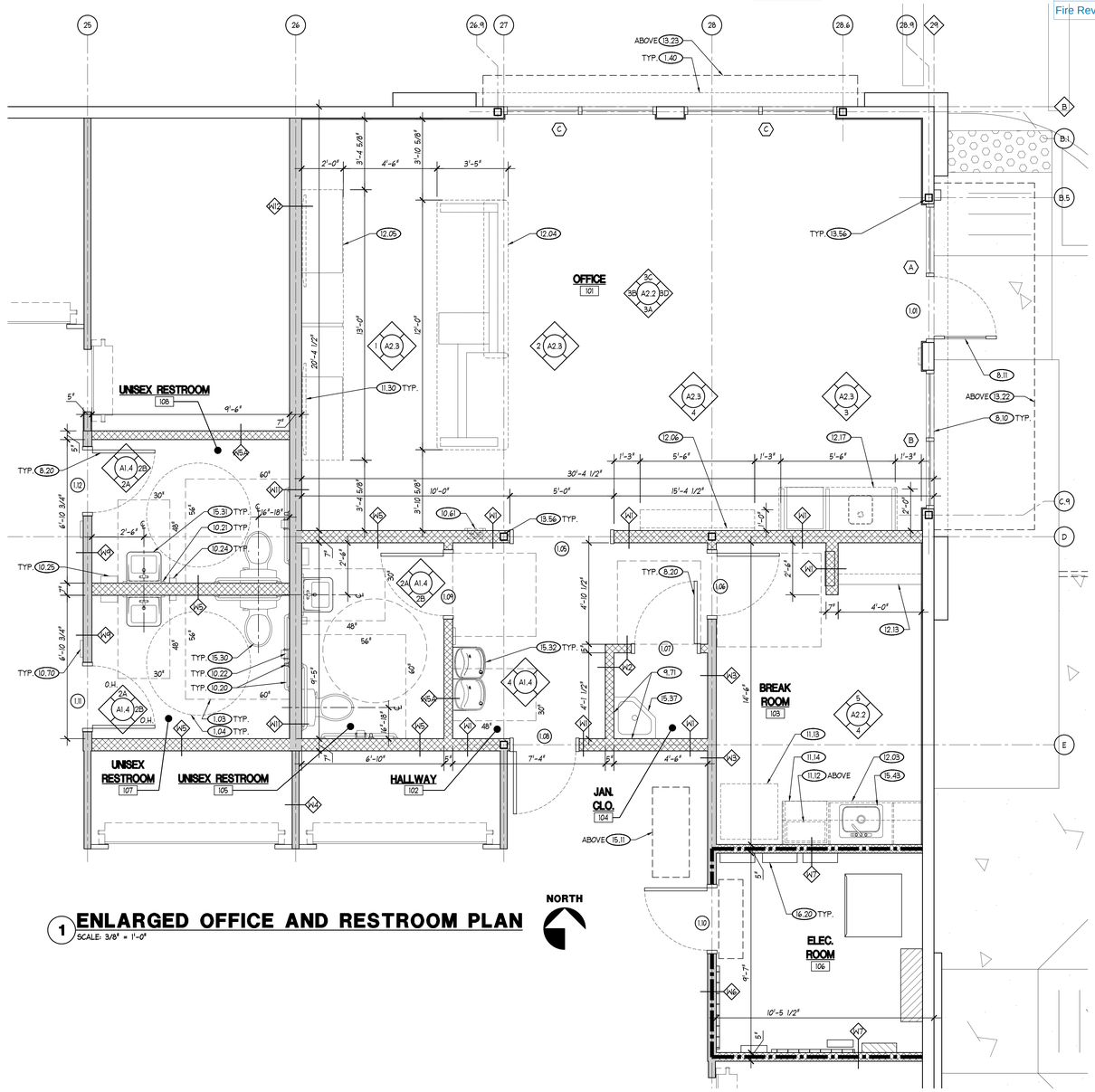
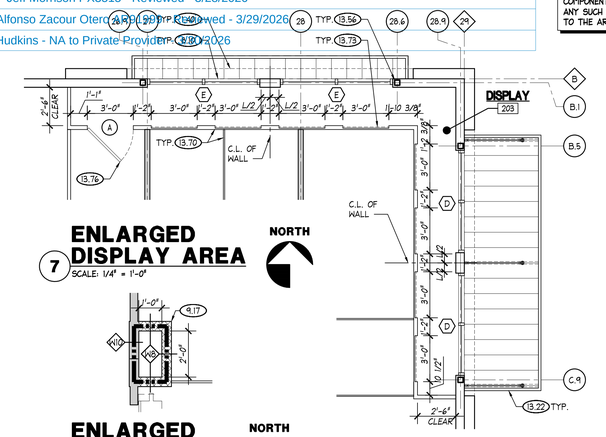
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Fire Review - Mike Hudkins - NA to Private Provider - 3/19/2026

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID



1 ENLARGED OFFICE AND RESTROOM PLAN
SCALE: 3/8" = 1'-0"

NORTH

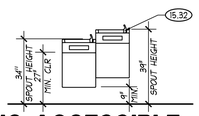


7 ENLARGED DISPLAY AREA
SCALE: 1/4" = 1'-0"

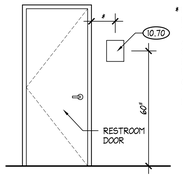
NORTH

6 ENLARGED CHASE PLAN
SCALE: 3/8" = 1'-0"

NORTH

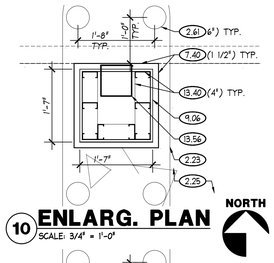


4 HC ACCESSIBLE DRINKING FOUNTAIN
SCALE: 3/8" = 1'-0"



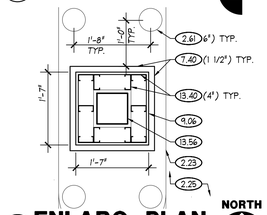
* MOUNTING LOCATION FOR SIGN SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGN WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITH-IN THE SWING OF THE DOOR.

5 H.C. SIGN DETAIL
SCALE: 3/8" = 1'-0"



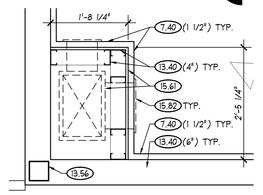
10 ENLARG. PLAN
SCALE: 3/4" = 1'-0"

NORTH



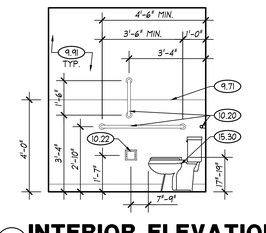
9 ENLARG. PLAN
SCALE: 3/4" = 1'-0"

NORTH

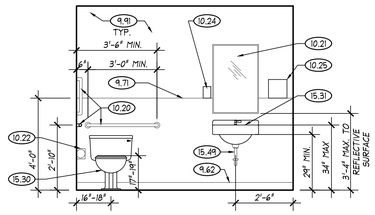


8 ENLARGED CHASE PLAN
SCALE: 3/4" = 1'-0"

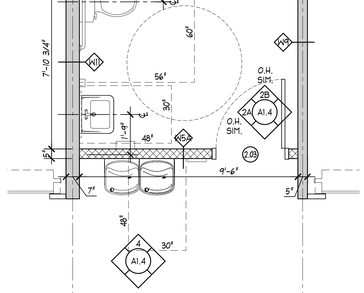
NORTH



2B INTERIOR ELEVATION



2A INTERIOR ELEVATION
2 RESTROOM INTERIOR ELEVATIONS
SCALE: 3/8" = 1'-0"



3 ENLARGED RESTROOM PLAN
SCALE: 3/8" = 1'-0"

NORTH

INTERIOR PARTITION TYPES

H1 – 6" METAL STUD FRAMING AT 16" O.C. FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- (1) LAYER 5/8" GWB EACH SIDE (PROVIDE MOISTURE RESISTANT GWB WITHIN RESTROOM AND WET AREAS)
  - AT STORAGE/CORRIDOR SIDE - PROVIDE GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE. INSTALL PREFINISHED CORRUGATED METAL LINER/PANEL (BY HALLWAY/STORAGE SYSTEMS MANUFACTURER) OVER GWB.
  - AT OFFICE/HALLWAY/BREAK ROOM/JAN. CLO. AREA - PROVIDE GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE

H2 – 3 5/8" METAL STUD FRAMING AT 16" O.C. FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- (1) LAYER 5/8" GWB EACH SIDE (PROVIDE MOISTURE RESISTANT GWB WITHIN RESTROOM AND WET AREAS)
  - AT OFFICE/BREAK ROOM/JANITOR'S CLOSET/HALLWAY AREA - PROVIDE GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE

H3 – 4" METAL STUD FRAMING (LOAD BEARING WALL - REFER TO PEMB SHOP DRAWINGS FOR THICKNESS AND SPACING) FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- AT JAN. CLO./BREAK ROOM/HALLWAY SIDE - (1) LAYER 5/8" GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE (PROVIDE MOISTURE RESISTANT GWB WITHIN RESTROOM AND WET AREAS) (GC TO PROVIDE SUPPLEMENTAL FRAMING AS NECESSARY FOR ATTACHMENT OF GWB)
- AT STORAGE/CORRIDOR SIDE - PROVIDE GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE. INSTALL PREFINISHED CORRUGATED METAL LINER/PANEL (BY HALLWAY/STORAGE SYSTEMS MANUFACTURER) OVER GWB

H4 – 4" METAL STUD FRAMING (LOAD BEARING WALL - REFER TO PEMB SHOP DRAWINGS FOR THICKNESS AND SPACING) FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- AT INTERIOR PARTITION - (1) LAYER 5/8" GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE (PROVIDE MOISTURE RESISTANT GWB WITHIN RESTROOM AND WET AREAS) (GC TO PROVIDE SUPPLEMENTAL FRAMING AS NECESSARY FOR ATTACHMENT OF GWB)
- AT STORAGE/CORRIDOR SIDE - PROVIDE GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE. INSTALL PREFINISHED CORRUGATED METAL LINER/PANEL (BY HALLWAY/STORAGE SYSTEMS MANUFACTURER) OVER GWB

H5 – 6" METAL STUD FRAMING AT 16" O.C. FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- (1) LAYER 5/8" GWB EACH SIDE (PROVIDE MOISTURE RESISTANT GWB WITHIN RESTROOM AND WET AREAS)
  - AT RESTROOM SIDE - PROVIDE GWB FROM FINISHED FLOOR TO CEILING
  - AT OFFICE SIDE - PROVIDE GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
  - AT STORAGE/CORRIDOR SIDE - PROVIDE GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE. INSTALL PREFINISHED CORRUGATED METAL LINER/PANEL (BY HALLWAY/STORAGE SYSTEMS MANUFACTURER) OVER GWB
- BATT INSULATION

H5a – 3 5/8" METAL STUD FRAMING AT 16" O.C. FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- (1) LAYER 5/8" GWB EACH SIDE (PROVIDE MOISTURE RESISTANT GWB WITHIN RESTROOM AND WET AREAS)
  - AT STORAGE/CORRIDOR SIDE - PROVIDE GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE. INSTALL PREFINISHED CORRUGATED METAL LINER/PANEL (BY HALLWAY/STORAGE SYSTEMS MANUFACTURER) OVER GWB.
  - AT HALLWAY SIDE - PROVIDE GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
  - AT RESTROOM SIDE - PROVIDE GWB FROM FINISHED FLOOR TO CEILING
- BATT INSULATION

H6 – 1-HOUR RATED WALL, CONSTRUCT PER UL ASSEMBLY U425. REFER TO UL ASSEMBLY DETAILS ON SHEET A7.1. GWB SHALL BE OF SPECIFIC TYPE AND MANUFACTURER SPECIFIED PER UL ASSEMBLY.
- 4" STUDS AT 16" O.C. FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- (1) LAYER 5/8" FIRE RATED GWB EA. SIDE FROM FIN. FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- GALVALUME LINER PANELS ON STORAGE SIDE (BY HALLWAY/STORAGE SYSTEMS MANUFACTURER)
  - AT ELECTRICAL ROOM - (1) LAYER FRT 1/2" PLYWOOD OVER GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
  - AT STORAGE/CORRIDOR SIDE - PROVIDE GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE. INSTALL PREFINISHED CORRUGATED METAL LINER/PANEL (BY HALLWAY/STORAGE SYSTEMS MANUFACTURER) OVER GWB

H7 – 1-HOUR RATED WALL, CONSTRUCT PER UL ASSEMBLY U419. REFER TO UL ASSEMBLY DETAILS ON SHEET A7.0. GWB SHALL BE OF SPECIFIC TYPE AND MANUFACTURER SPECIFIED PER UL ASSEMBLY.
- 3 5/8" STUDS AT 16" O.C. FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- (1) LAYERS 5/8" FIRE RATED GWB EA. SIDE FROM FIN. FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- GALVALUME LINER PANELS ON STORAGE SIDE (BY HALLWAY/STORAGE SYSTEMS MANUFACTURER)
  - AT ELECTRICAL ROOM - (1) LAYER FRT 1/2" PLYWOOD OVER GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- BATT INSULATION

H8 – 2-HOUR RATED CHASE WALL, CONSTRUCT PER UL ASSEMBLY U415. REFER TO UL ASSEMBLY DETAILS ON SHEET A7.1. GWB SHALL BE OF SPECIFIC TYPE AND MANUFACTURER SPECIFIED IN ASSEMBLY DETAIL
- 2 1/2" C-H STUDS AT 24" O.C. FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- (2) LAYERS 1" GYPSUM LINER PANEL AND (1) LAYER 1/2" FIRE RATED GWB FROM FIN. FLOOR TO UNDERSIDE OF STRUCTURE ABOVE (OUTER SIDE ONLY)

H9 – 4" METAL STUD FRAMING (LOAD BEARING WALL - REFER TO PEMB SHOP DRAWINGS FOR THICKNESS AND SPACING) FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- AT RESTROOM SIDE - (1) LAYER 5/8" GWB FROM FINISHED FLOOR TO CEILING (PROVIDE MOISTURE RESISTANT GWB WITHIN RESTROOM AND WET AREAS) (GC TO PROVIDE SUPPLEMENTAL FRAMING AS NECESSARY FOR ATTACHMENT OF GWB)
- AT STORAGE/CORRIDOR SIDE - PROVIDE GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE. INSTALL PREFINISHED CORRUGATED METAL LINER/PANEL (BY HALLWAY/STORAGE SYSTEMS MANUFACTURER) OVER GWB
- BATT INSULATION

H10 – 2-HOUR RATED WALL, CONSTRUCT PER UL ASSEMBLY U425. REFER TO UL ASSEMBLY DETAILS ON SHEET A7.1. GWB SHALL BE OF SPECIFIC TYPE AND MANUFACTURER SPECIFIED PER UL ASSEMBLY.
- 4" STUDS AT 16" O.C. FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- (3) LAYER 1/2" FIRE RATED GWB EA. SIDE FROM FIN. FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- GALVALUME LINER PANELS ON STORAGE SIDE (BY HALLWAY/STORAGE SYSTEMS MANUFACTURER)

H11 – 6" METAL STUD FRAMING (LOAD BEARING WALL - REFER TO PEMB SHOP DRAWINGS FOR THICKNESS AND SPACING) FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- AT RESTROOM SIDE - (1) LAYER 5/8" GWB FROM FINISHED FLOOR TO CEILING (PROVIDE MOISTURE RESISTANT GWB WITHIN RESTROOM AND WET AREAS) (GC TO PROVIDE SUPPLEMENTAL FRAMING AS NECESSARY FOR ATTACHMENT OF GWB)
- AT OFFICE AREA - PROVIDE GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- AT STORAGE/CORRIDOR SIDE - PROVIDE GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE. INSTALL PREFINISHED CORRUGATED METAL LINER/PANEL (BY HALLWAY/STORAGE SYSTEMS MANUFACTURER) OVER GWB
- BATT INSULATION

H12 – 6" METAL STUD FRAMING (LOAD BEARING WALL - REFER TO PEMB SHOP DRAWINGS FOR THICKNESS AND SPACING) FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE
- (1) LAYER 5/8" GWB EACH SIDE (PROVIDE MOISTURE RESISTANT GWB WITHIN RESTROOM AND WET AREAS) (GC TO PROVIDE SUPPLEMENTAL FRAMING AS NECESSARY FOR ATTACHMENT OF GWB)
- AT OFFICE SIDE - PROVIDE GWB FROM FINISHED FLOOR TO UNDERSIDE OF STRUCTURE ABOVE

WALL LEGEND

- CMU WALL CONSTRUCTION, 8" X 8" X 16" (TYP. U.O.N.) W/ 9 GA. LADDER TYPE MASONRY WALL REINFORCING AT TOP OF FIRST COURSE AND AT 16" O.C. VERTICAL ABOVE. AT CMU WALLS ABUTTING AIR CONDITIONED STORAGE AREAS, PROVIDE CLASS 'A', NON-COMBUSTIBLE FOAM FILL INSULATION AT ALL CMU CAVITIES THAT ARE NOT GROUT FILLED (REFER TO SPEC SECTION ON SHEET A0.2 FOR R-VALUE)
- INDICATES 1-HOUR RATED WALL CONSTRUCTION. CMU CONSTRUCTION INHERENTLY ACHIEVES 1-HOUR FIRE RATING, THEREFORE NO UL DETAIL IS PROVIDED
- INDICATES PRE-ENGINEERED METAL BUILDING CONSTRUCTION. REFER TO ELEVATIONS, SECTIONS AND PEMB SHOP DRAWINGS FOR ADDITIONAL INFORMATION
- INDICATES METAL STUD FRAMED PARTITION (LOAD BEARING). REFER TO INTERIOR PARTITION TYPES THIS SHEET AND PEMB SHOP DRAWINGS FOR ADDITIONAL INFORMATION
- INDICATES 1-HOUR RATED WALL CONSTRUCTION (LOAD BEARING). METAL STUD FRAMED WALL SHALL ACHIEVE 1-HOUR RATING AS STIPULATED IN UL ASSEMBLY U.L.-U425. REFER TO INTERIOR PARTITION TYPES THIS SHEET, UL ASSEMBLY DETAILS AND PEMB SHOP DRAWINGS FOR ADDITIONAL INFORMATION
- INDICATES 2-HOUR RATED WALL CONSTRUCTION (LOAD BEARING). METAL STUD FRAMED WALL SHALL ACHIEVE 2-HOUR RATING AS STIPULATED IN UL ASSEMBLY U.L.-U425. REFER TO INTERIOR PARTITION TYPES THIS SHEET, UL ASSEMBLY DETAILS AND PEMB SHOP DRAWINGS FOR ADDITIONAL INFORMATION
- INDICATES METAL STUD FRAMED PARTITION (NON-LOAD BEARING). REFER TO INTERIOR PARTITION TYPES THIS SHEET FOR ADDITIONAL INFORMATION
- INDICATES 1-HOUR RATED WALL CONSTRUCTION (NON-LOAD BEARING). METAL STUD FRAMED WALL SHALL ACHIEVE 1-HOUR RATING AS STIPULATED IN UL ASSEMBLY U.L.-U419. REFER TO INTERIOR PARTITION TYPES THIS SHEET AND UL ASSEMBLY DETAILS FOR ADDITIONAL INFORMATION
- INDICATES 2-HOUR RATED WALL CONSTRUCTION (NON-LOAD BEARING). METAL STUD FRAMED WALL SHALL ACHIEVE 2-HOUR RATING AS STIPULATED IN UL ASSEMBLY U.L.-U415 FOR BDA CHASE. REFER TO INTERIOR PARTITION TYPES THIS SHEET AND UL ASSEMBLY DETAILS FOR ADDITIONAL INFORMATION

SIGNS FOR FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS OR SMOKE PARTITIONS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING AS FOLLOWS:
1) MUST BE LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION.
2) MUST INCLUDE LETTERING NOT LESS THAN 3 INCHES IN HEIGHT WITH A MINIMUM OF 3/8" STROKE AND IN A CONTRASTING COLOR. SUGGESTED WORDING IS "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS" OR OTHER SIMILAR WORDING

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FABER@FWHARCHITECTS.COM

TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision descriptions

REUNION SELF-STORAGE DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

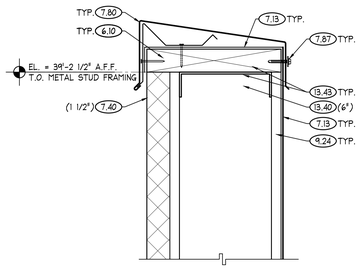
ENLARGED FLOOR PLANS AND PARTITION TYPES

A1.4

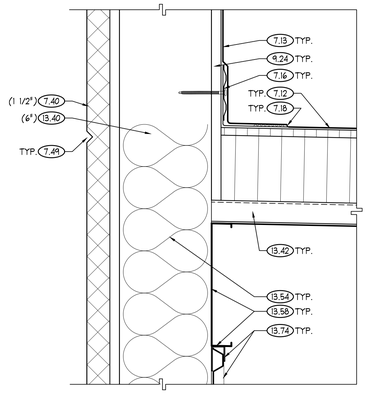
2/28/2026 4:45 PM

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
24-2099 6' 3/31/2026

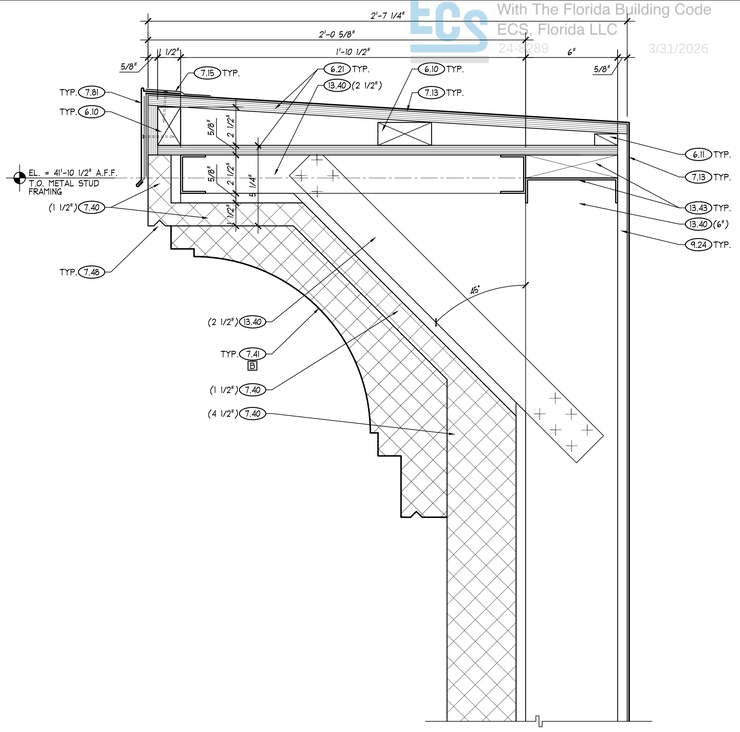
Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Fire Review - Mike Hudkins - NA to Private Provider - 3/30/2026



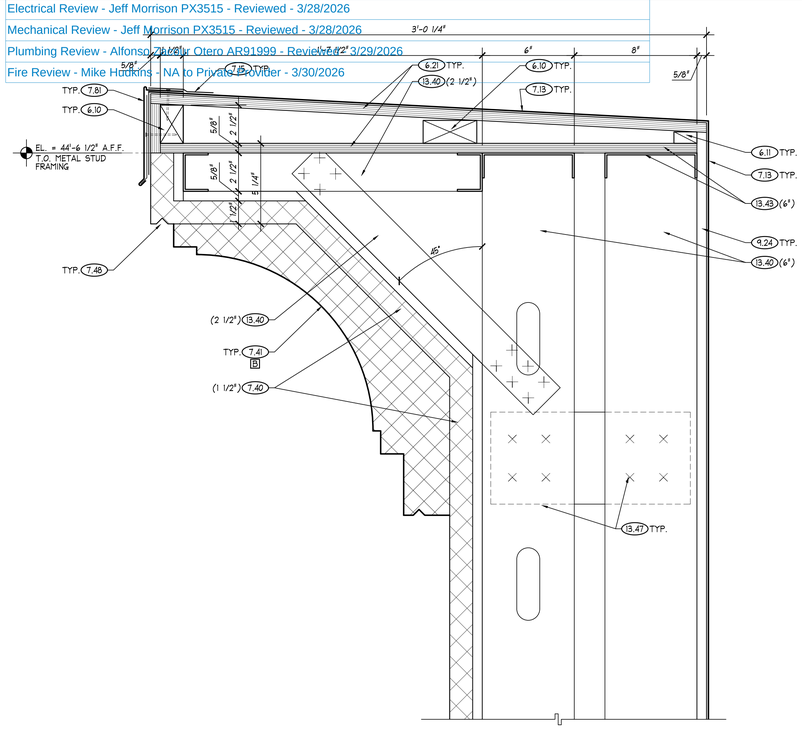
1 PARAPET DETAIL
SCALE: 3" = 1'-0"



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



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



4 PARAPET DETAIL
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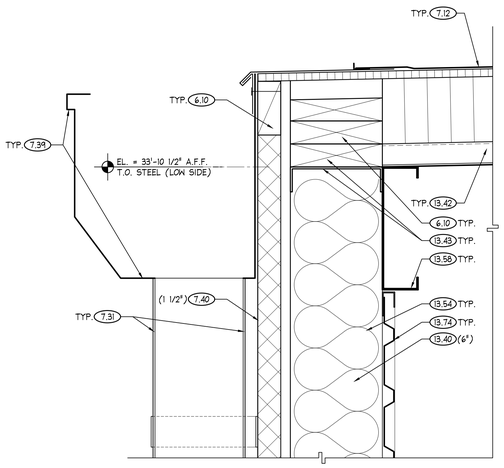
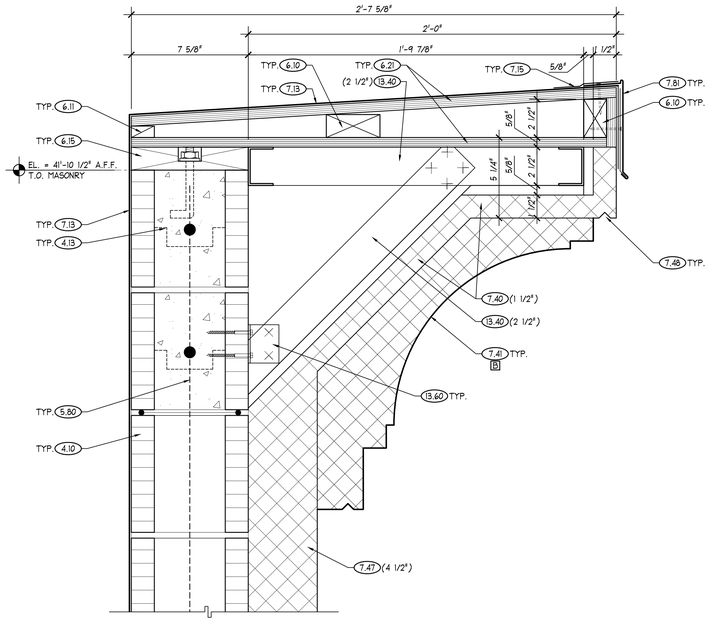
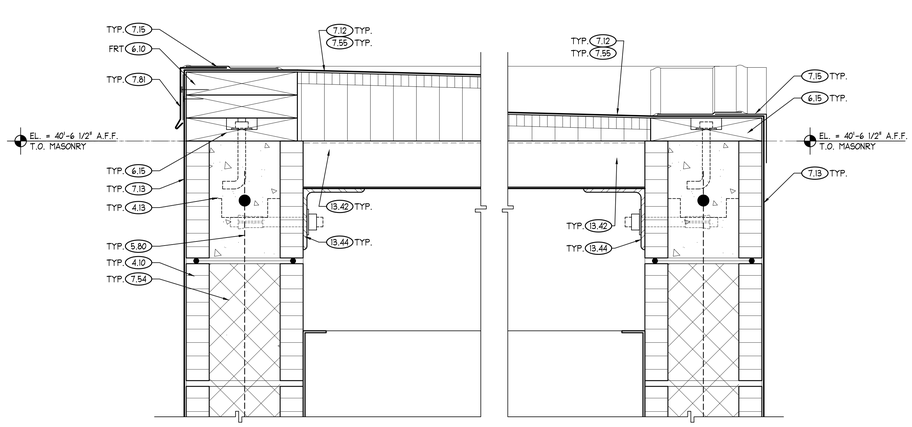


5 ROOF DETAIL
SCALE: 3" = 1'-0"

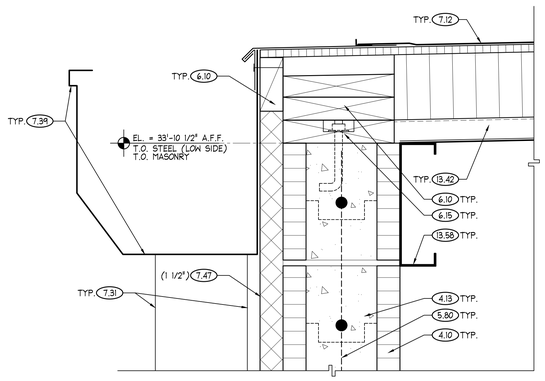


6 PARAPET DETAIL
SCALE: 3" = 1'-0"



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

8 ROOF DETAIL
SCALE: 3" = 1'-0"



9 ROOF DETAIL
SCALE: 3" = 1'-0"

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID

THE CONSTRUCTION TYPE OF THE BUILDING IS TYPE IIB. PER REQUIREMENTS OF FBC SECTION 603, ALL DIMENSIONAL WOOD LUMBER AND PLYWOOD MATERIALS USED IN ROOF CONSTRCUTION AND NONBEARING (UNRATED) EXTERIOR WALL CONSTRUCTION SHALL BE FIRE RETARDANT TREATED (FRT)

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GUY F. FABER
FL License No. AR0015323
seal

rev.	date	revision descriptions

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

ROOF DETAILS

A1.5

2/26/2026 1:18 AM

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
24-8289 3/31/2026

Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
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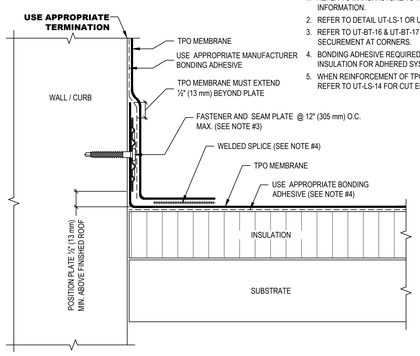
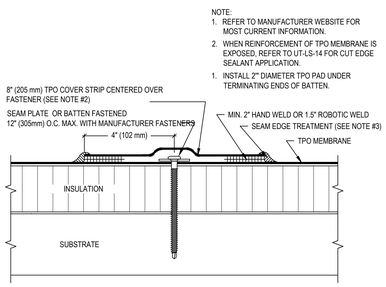


NOTE:
1. REFER TO MANUFACTURER'S WEBSITE FOR MOST CURRENT INFORMATION.
2. REFER TO DETAIL UT-LS-1 OR UT-LS-2 FOR WELD WIDTH.
3. REFER TO UT-BT-16 & UT-BT-17 FOR MEMBRANE SECUREMENT AT CORNERS.
4. BONDING ADHESIVE REQUIRED BETWEEN MEMBRANE AND INSULATION FOR ADHERED SYSTEMS.
5. WHEN REINFORCEMENT OF TPO MEMBRANE IS EXPOSED, REFER TO UT-LS-14 FOR CUT EDGE SEALANT APPLICATION.

1 ROOF DETAIL
SCALE: 6" = 1'-0"

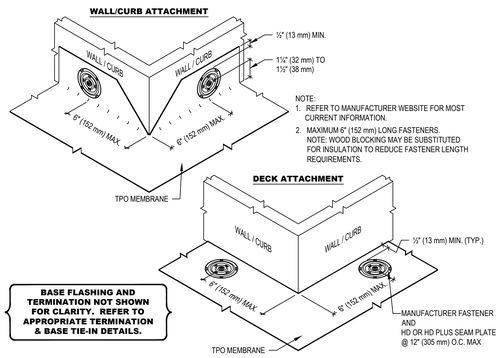


NOTE:
1. REFER TO MANUFACTURER WEBSITE FOR MOST CURRENT INFORMATION.
2. WHEN REINFORCEMENT OF TPO MEMBRANE IS EXPOSED, REFER TO UT-LS-14 FOR CUT EDGE SEALANT APPLICATION.
1. INSTALL 2" DIAMETER TPO PAD UNDER TERMINATING ENDS OF BATTEN.

2 ROOF DETAIL
SCALE: 6" = 1'-0"

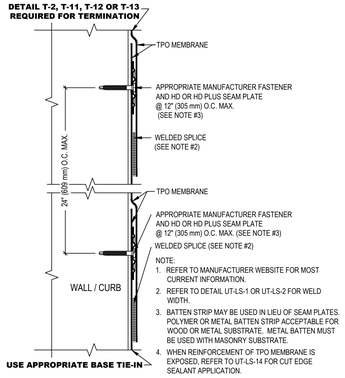
3 NOT USED

4 NOT USED



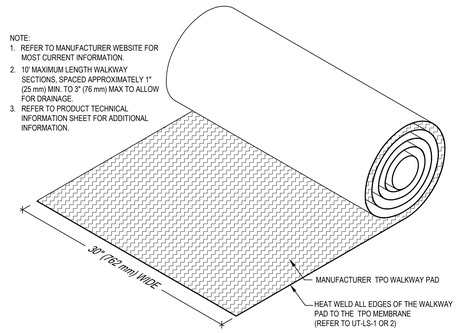
NOTE:
1. REFER TO MANUFACTURER WEBSITE FOR MOST CURRENT INFORMATION.
2. MAXIMUM 6" (152 mm) LONG FASTENERS. NOTE: WOOD BLOCKING MAY BE SUBSTITUTED FOR INSULATION TO REDUCE FASTENER LENGTH REQUIREMENTS.

5 ROOF DETAIL
NO SCALE

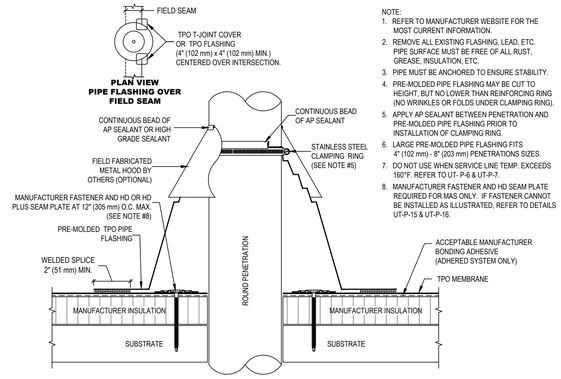


NOTE:
1. REFER TO MANUFACTURER WEBSITE FOR MOST CURRENT INFORMATION.
2. REFER TO DETAIL UT-LS-1 OR UT-LS-2 FOR WELD WIDTH.
3. BATTEN STRIP MAY BE USED IN LIEU OF SEAM PLATES. POLYMER OR METAL BATTEN STRIP ACCEPTABLE FOR WOOD OR METAL SUBSTRATE. METAL BATTEN MUST BE USED WITH MASONRY SUBSTRATE.
4. WHEN REINFORCEMENT OF TPO MEMBRANE IS EXPOSED, REFER TO UT-LS-14 FOR CUT EDGE SEALANT APPLICATION.

6 ROOF DETAIL
NO SCALE

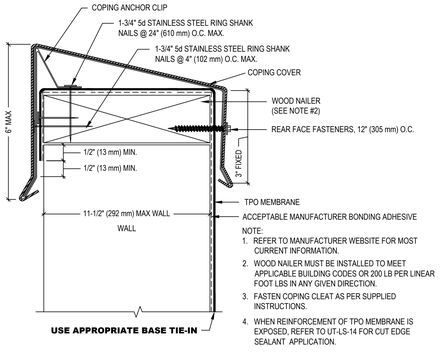


7 ROOF DETAIL
NO SCALE



NOTE:
1. REFER TO MANUFACTURER WEBSITE FOR THE MOST CURRENT INFORMATION.
2. REMOVE ALL EXISTING FLASHING, LEAD, ETC. PIPE SURFACE MUST BE FREE OF ALL RUST, GREASE, INSULATION, ETC.
3. PIPE MUST BE ANCHORED TO ENSURE STABILITY.
4. PRE-MOLDED PIPE FLASHING MAY BE CUT TO HEIGHT, BUT NO LOWER THAN REINFORCING RING (NO WRINKLES OR FOLDS UNDER CLAMPING RING).
5. APPLY AP SEALANT BETWEEN PENETRATION AND PRE-MOLDED PIPE FLASHING PRIOR TO INSTALLATION OF CLAMPING RING.
6. LARGE PRE-MOLDED PIPE FLASHING FITS 4" (102 mm) - 8" (203 mm) PENETRATIONS SIZES.
7. DO NOT USE WHEN SERVICE LINE TEMP. EXCEEDS 160°F. REFER TO UT-P-6 & UT-P-7.
8. MANUFACTURER FASTENER AND HD SEAM PLATE REQUIRED FOR MAS ONLY. IF FASTENER CANNOT BE INSTALLED AS ILLUSTRATED, REFER TO DETAILS UT-P-15 & UT-P-16.

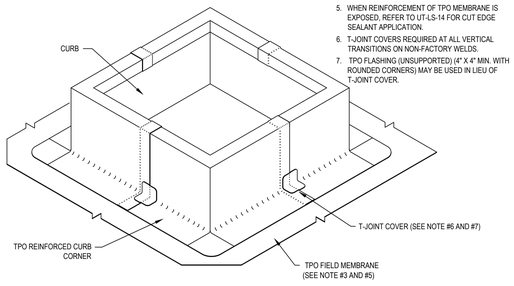
8 ROOF DETAIL
SCALE: 6" = 1'-0"



NOTE:
1. REFER TO MANUFACTURER WEBSITE FOR MOST CURRENT INFORMATION.
2. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LB PER LINEAR FOOT LBS IN ANY GIVEN DIRECTION.
3. FASTEN COPING CLEAT AS PER SUPPLIED INSTRUCTIONS.
4. WHEN REINFORCEMENT OF TPO MEMBRANE IS EXPOSED, REFER TO UT-LS-14 FOR CUT EDGE SEALANT APPLICATION.

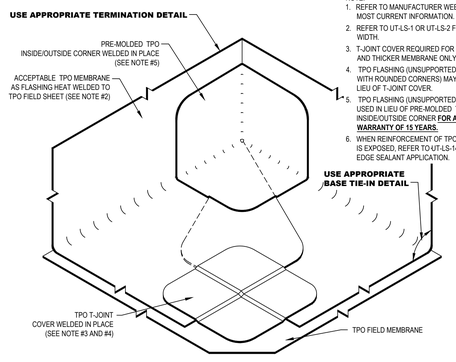
9 ROOF DETAIL
SCALE: 6" = 1'-0"

TPO REINFORCED CURB CORNER SIZE	SIZE OF FINISHED CURB
7" (178 mm)	12" x 12" (305 x 305 mm)
13" (330 mm)	24" x 24" (610 x 610 mm)
19" (483 mm)	36" x 36" (914 x 914 mm)
25" (635 mm)	48" x 48" (1.2 x 1.2 m)
31" (787 mm)	60" x 60" (1.5 x 1.5 m)
37" (940 mm)	72" x 72" (1.8 x 1.8 m)



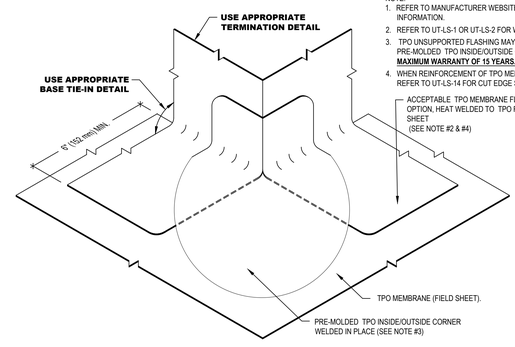
NOTE:
1. REFER TO MANUFACTURER WEBSITE FOR MOST CURRENT INFORMATION.
2. REFER TO SIZE CHART TO DETERMINE WHICH OF THE AVAILABLE REINFORCED CORNER FLASHING SIZES TO UTILIZE.
3. REFER TO UT-LS-1 OR UT-LS-2 FOR WELD WIDTH.
4. BONDING ADHESIVE IS REQUIRED BETWEEN CURB AND REINFORCED CURB CORNERS.
5. WHEN REINFORCEMENT OF TPO MEMBRANE IS EXPOSED, REFER TO UT-LS-14 FOR CUT EDGE SEALANT APPLICATION.
6. T-JOINT COVERS REQUIRED AT ALL VERTICAL TRANSITIONS ON NON-FACTORY WELDS.
7. TPO FLASHING (UNSUPPORTED) (4" X 4" MIN. WITH ROUNDED CORNERS) MAY BE USED IN LIEU OF T-JOINT COVER.

10 ROOF DETAIL
NO SCALE



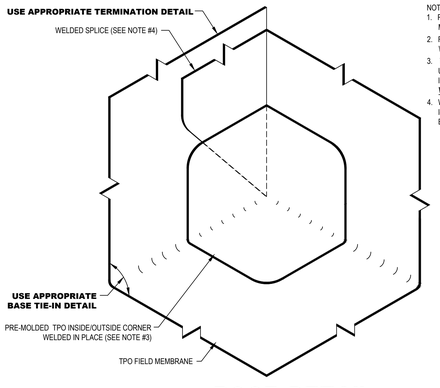
NOTE:
1. REFER TO MANUFACTURER WEBSITE FOR MOST CURRENT INFORMATION.
2. REFER TO UT-LS-1 OR UT-LS-2 FOR WELD WIDTH.
3. T-JOINT COVER REQUIRED FOR .060 GAUGE AND THICKER MEMBRANE ONLY.
4. TPO FLASHING (UNSUPPORTED) (4" x 4" MIN. WITH ROUNDED CORNERS) MAY BE USED IN LIEU OF T-JOINT COVER.
5. TPO FLASHING(UNSUPPORTED) MAY BE USED IN LIEU OF PRE-MOLDED TPO INSIDE/OUTSIDE CORNER **FOR A MAXIMUM WARRANTY OF 15 YEARS.**
6. WHEN REINFORCEMENT OF TPO MEMBRANE IS EXPOSED, REFER TO UT-LS-14 FOR CUT EDGE SEALANT APPLICATION.

11 ROOF DETAIL
NO SCALE



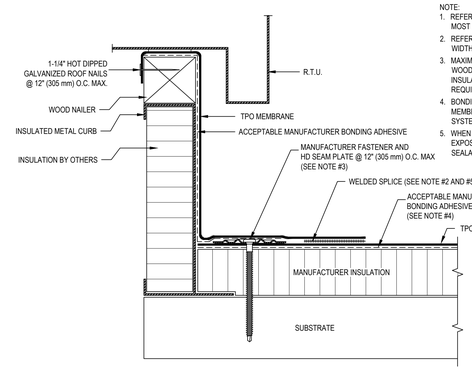
NOTE:
1. REFER TO MANUFACTURER WEBSITE FOR MOST CURRENT INFORMATION.
2. REFER TO UT-LS-1 OR UT-LS-2 FOR WELD WIDTH.
3. TPO UNSUPPORTED FLASHING MAY BE USED IN LIEU OF PRE-MOLDED TPO INSIDE/OUTSIDE CORNER **FOR A MAXIMUM WARRANTY OF 15 YEARS.**
4. WHEN REINFORCEMENT OF TPO MEMBRANE IS EXPOSED, REFER TO UT-LS-14 FOR CUT EDGE SEALANT APPLICATION.

12 ROOF DETAIL
NO SCALE



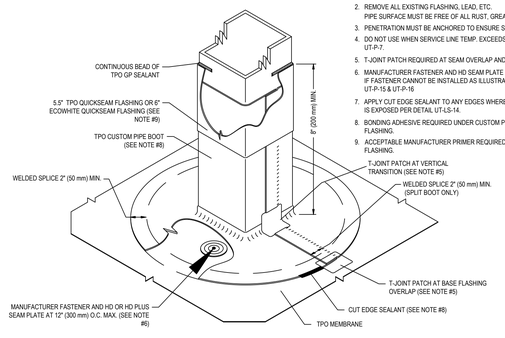
NOTE:
1. REFER TO MANUFACTURER WEBSITE FOR MOST CURRENT INFORMATION.
2. REFER TO UT-LS-1 OR UT-LS-2 FOR WELD WIDTH.
3. TPO FLASHING (UNSUPPORTED) MAY BE USED IN LIEU OF PRE-MOLDED TPO INSIDE/OUTSIDE CORNER **FOR A MAXIMUM WARRANTY OF 15 YEARS.**
4. WHEN REINFORCEMENT OF TPO MEMBRANE IS EXPOSED, REFER TO UT-LS-14 FOR CUT EDGE SEALANT APPLICATION.

13 ROOF DETAIL
NO SCALE



NOTE:
1. REFER TO MANUFACTURER WEBSITE FOR MOST CURRENT INFORMATION.
2. REFER TO DETAIL UT-LS-1 OR 2 FOR WELD WIDTH.
3. MAXIMUM 6" (152 mm) LONG FASTENERS (NOTE: WOOD BLOCKING MAY BE SUBSTITUTED FOR INSULATION TO REDUCE FASTENER LENGTH REQUIREMENT).
4. BONDING ADHESIVE REQUIRED BETWEEN MEMBRANE AND INSULATION FOR ADHERED SYSTEMS.
5. WHEN REINFORCEMENT OF TPO MEMBRANE IS EXPOSED, REFER TO UT-LS-14 FOR CUT EDGE SEALANT APPLICATION.

14 ROOF DETAIL
NO SCALE



NOTE:
1. REFER TO MANUFACTURER WEBSITE FOR THE MOST CURRENT INFORMATION.
2. REMOVE ALL EXISTING FLASHING, LEAD, ETC. PIPE SURFACE MUST BE FREE OF ALL RUST, GREASE, INSULATION, ETC.
3. PENETRATION MUST BE ANCHORED TO ENSURE STABILITY.
4. DO NOT USE WHEN SERVICE LINE TEMP. EXCEEDS 160 °F. REFER TO UT-P-6 & UT-P-7.
5. T-JOINT PATCH REQUIRED AT SEAM OVERLAP AND VERTICAL TRANSITION.
6. MANUFACTURER FASTENER AND HD SEAM PLATE REQUIRE FOR MAS ONLY. IF FASTENER CANNOT BE INSTALLED AS ILLUSTRATED, REFER TO DETAILS UT-P-15 & UT-P-16
7. APPLY CUT EDGE SEALANT TO ANY EDGES WHERE SCRIM REINFORCEMENT IS EXPOSED PER DETAIL UT-LS-14.
8. BONDING ADHESIVE REQUIRED UNDER CUSTOM PIPE BOOT VERTICAL FLASHING.
9. ACCEPTABLE MANUFACTURER PRIMER REQUIRED UNDER QUICKSEAM FLASHING.

15 ROOF DETAIL
NO SCALE

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ROOF DETAILS

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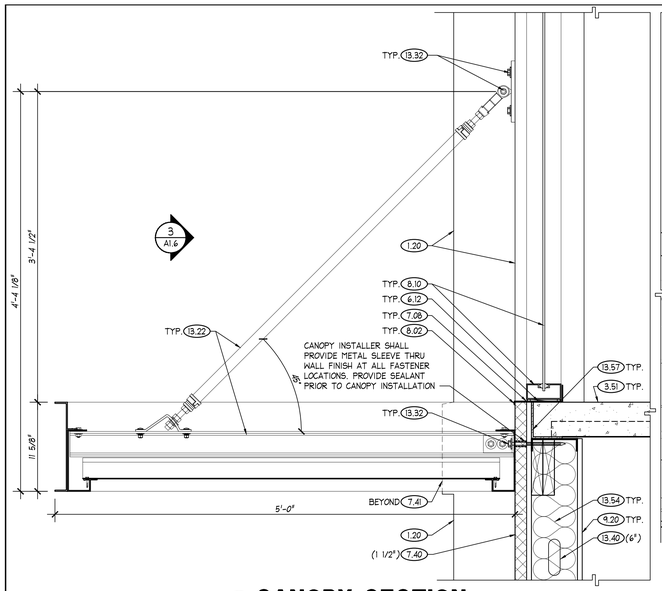
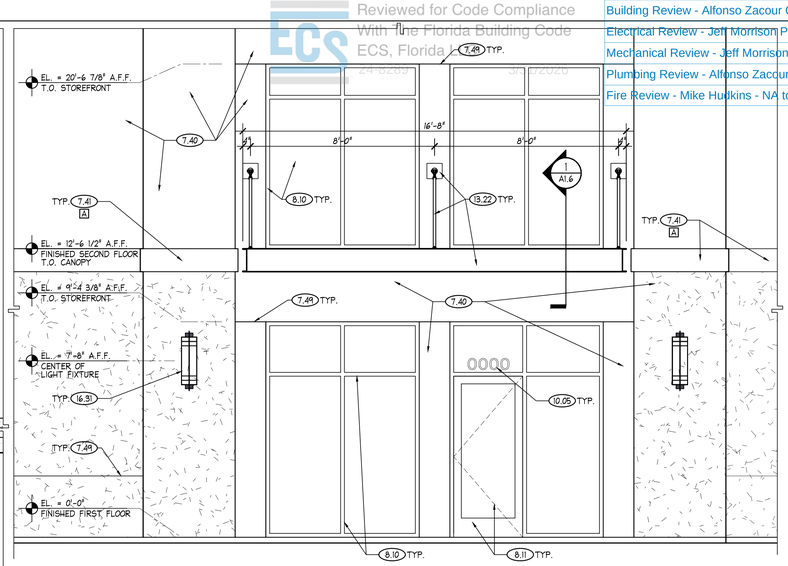
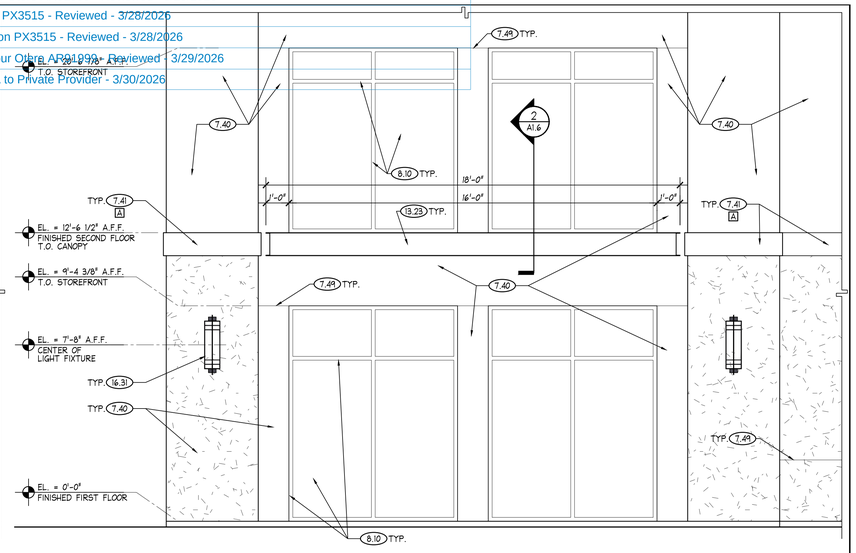


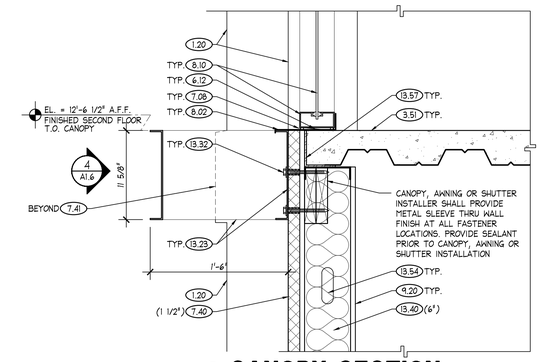
1 CANOPY SECTION
SCALE: 1 1/2" = 1'-0"



3 ENLARGED EAST EXTERIOR ELEVATION
SCALE: 3/8" = 1'-0"



4 ENLARGED NORTH EXTERIOR ELEVATION
SCALE: 3/8" = 1'-0"



2 CANOPY SECTION
SCALE: 1 1/2" = 1'-0"

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID

THE CONSTRUCTION TYPE OF THE BUILDING IS TYPE IIB. PER REQUIREMENTS OF FBC SECTION 603, ALL DIMENSIONAL WOOD LUMBER AND PLYWOOD MATERIALS USED IN ROOF CONSTRCUTION AND NONBEARING (UNRATED) EXTERIOR WALL CONSTRUCTION SHALL BE FIRE RETARDANT TREATED (FRT)

PRE-ENGINEERED CANOPY NOTES

THE GENERAL CONTRACTOR SHALL ENGAGE A CANOPY MANUFACTURER TO PROVIDE FULLY ENGINEERED CANOPIES IN COMPLIANCE WITH THE DESIGN INTENT PROVIDED IN THE CONSTRUCTION DOCUMENTS

THE CANOPY MANUFACTURER SHALL PROVIDE A CANOPY ASSEMBLY THAT IS DESIGNED TO MEET THE WIND LOADS AT THE SUBJECT PROPERTY AND, ADDITIONALLY, THAT IS TESTED AND APPROVED BY MIAMI-DADE NOA OR FLORIDA PRODUCT APPROVAL

THE CANOPY MANUFACTURER SHALL PROVIDE FULLY ENGINEERED SHOP DRAWINGS WHICH SPECIFY ALL CANOPY COMPONENTS INCLUDING CONNECTIONS TO PRIMARY STRUCTURE. THE CONNECTION TO PRIMARY STRUCTURE INCLUDES ANY AND ALL NECESSARY SUPPORT BLOCKING REQUIREMENTS AND METHOD OF ATTACHMENT TO PRIMARY STRUCTURE. SHOP DRAWINGS SHALL BE SUBMITTED TO THE GENERAL CONTRACTOR FOR REVIEW AND APPROVAL

UPON RECEIPT OF SHOP DRAWING APPROVAL, THE CANOPY MANUFACTURER SHALL BE RESPONSIBLE FOR SUBMISSION OF SIGNED AND SEALED PLANS FOR PERMIT TO THE AUTHORITY HAVING JURISDICTION

UPON APPROVAL BY THE JURISDICTION, THE CANOPY MANUFACTURER SHALL BE RESPONSIBLE FOR THE FABRICATION AND COMPLETE INSTALLATION OF THE CANOPIES.

ALL SUPPORT BLOCKING AND ATTACHMENT TO THE BUILDING SHALL BE FULLY COORDINATED WITH THE GENERAL CONTRACTOR.

REFER TO ENLARGED DETAILS ON THIS SHEET FOR DESIGN INTENT AND PHYSICAL CANOPY PARAMETERS. A WRITTEN DESCRIPTION IS AS FOLLOWS:

1) THE CANOPIES SHALL BE PRE-ENGINEERED, PRE-FINISHED ALUMINUM
2) CANOPIES SHALL HAVE INTEGRAL GUTTERS ON ALL FOUR SIDES WITH SCUPPERS THAT SPILL OUTWARD, AWAY FROM THE BUILDING AND ENTRANCES
3) THE CANOPY ROOF MATERIAL SHALL BE PRE-FINISHED ALUMINUM ONLY. NO PLYWOOD SHEATHING OR ADDITIONAL SOFFIT MATERIAL SHALL BE PROVIDED AT THE UNDERSIDE
4) AN ALUMINUM CHANNEL PROFILE SHALL BE INCLUDED AT THE THREE EXPOSED OUTSIDE EDGES OF THE CANOPY
5) THE DIAGONAL SUPPORTING DEVICE SHALL BE EITHER ROUND OR SQUARE ALUMINUM TUBING
6) NO LIGHTING IS REQUIRED BELOW THE CANOPY UNLESS OTHERWISE NOTED
7) ALUMINUM COMPONENTS TO BE FINISHED WITH STANDARD, OVEN CURED POWDER COAT AND SHALL MEET AAMA 2604 REQUIREMENTS
8) ANY GALVANIZED STEEL COMPONENTS SHALL BE PRIMED AND PAINTED
9) ALUMINUM AND GALVANIZED STEEL COMPONENTS SHALL BE ISOLATED FROM ONE ANOTHER TO PREVENT GALVANIC ACTION

REFER TO THE FINISH SCHEDULE ON SHEET A3.3 FOR CANOPY FINISH COLOR

BAHAMA SHUTTER NOTES:

BAHAMA SHUTTER DETAILS PROVIDED SHOW DESIGN INTENT INCLUDING DIMENSIONS, COMPONENTS AND MOUNTING HEIGHTS. THE AWNING FABRICATOR SHALL PROVIDE SEPARATE SHOP DRAWINGS SHOWING ALL COMPONENTS AND METHOD OF ATTACHMENT. SAID DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION. THE AWNING FABRICATOR SHALL SUBMIT DRAWINGS TO THE BUILDING DEPARTMENT FOR REVIEW, APPROVAL AND PERMIT.

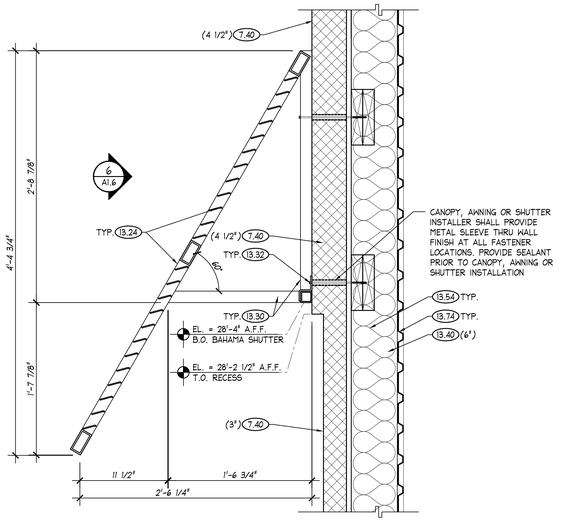
PROVIDE WELDED PLATE CAPS AT ALL EXPOSED TUBE TERMINATIONS. ALL WELDED CONNECTIONS SHALL BE GROUND SMOOTH PRIOR TO FINISH APPLICATION

ALUMINUM COMPONENTS TO BE FINISHED WITH STANDARD, OVEN CURED POWDER COAT AND SHALL MEET AAMA 2604 REQUIREMENTS

ALL DIMENSIONS TO BE FIELD VERIFIED

STEEL AND ALUMINUM COMPONENTS AND CLADDING SHALL BE PROPERLY ISOLATED TO PREVENT GALVANIC ACTION. PROVIDE BITUMINOUS COATING OR ARCHITECT APPROVED METHOD

REFER TO THE FINISH SCHEDULE ON SHEET A3.3 FOR BAHAMA SHUTTER FINISH COLOR



5 BAHAMA SHUTTER SECTION
SCALE: 1 1/2" = 1'-0"

6 ENLARGED NORTH EXTERIOR ELEVATION
SCALE: 3/8" = 1'-0"

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CANOPY AND BAHAMA SHUTTER DETAILS

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Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
24-8289 3/31/2026

Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
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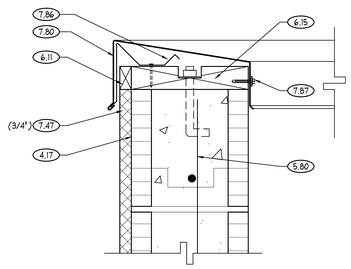
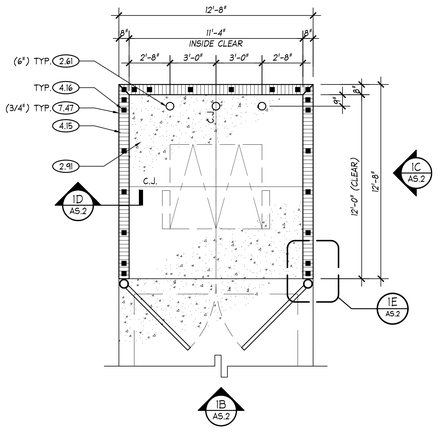
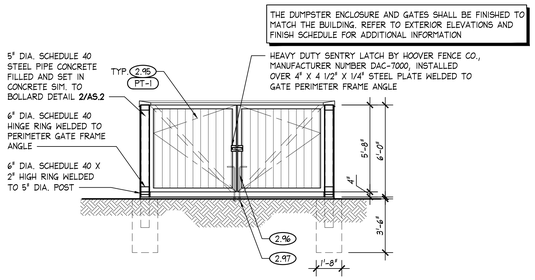
Fire Review - Mike Hudkins - NA to Private Provider - 3/30/2026



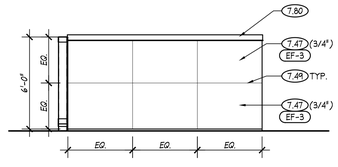
1G DUMPSTER DETAIL
SCALE: 3/4" = 1'-0"



1A DUMPSTER PLAN
SCALE: 1/4" = 1'-0"



1B DUMPSTER ELEVATION
SCALE: 1/4" = 1'-0"



1C DUMPSTER ELEVATION
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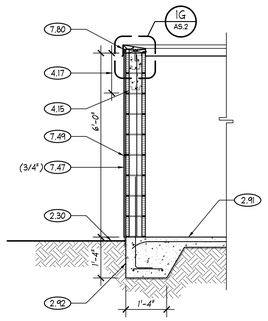
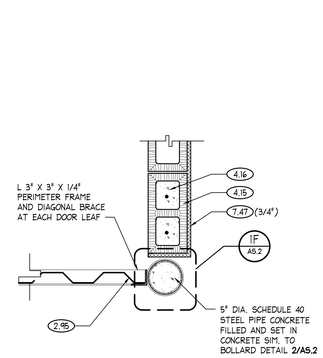
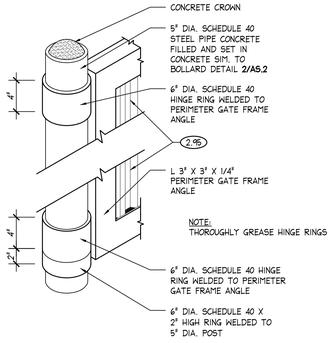


1D DUMPSTER SECTION
SCALE: 1/2" = 1'-0"

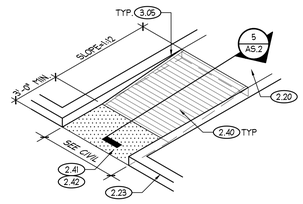
1 DUMPSTER ENCLOSURE DETAILS
SCALE: AS SHOWN



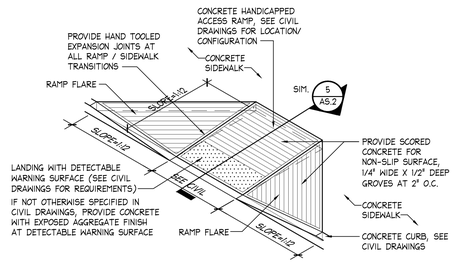
1E GATE POST DETAIL
SCALE: 1" = 1'-0"



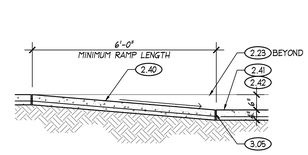
GATE POST ISOMETRIC DETAIL
1F SCALE: 1/2" = 1'-0"



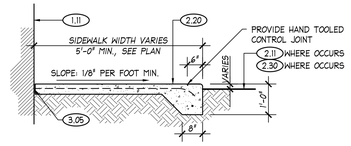
3 HANDICAP RAMP DETAIL
SCALE: 1/4" = 1'-0"



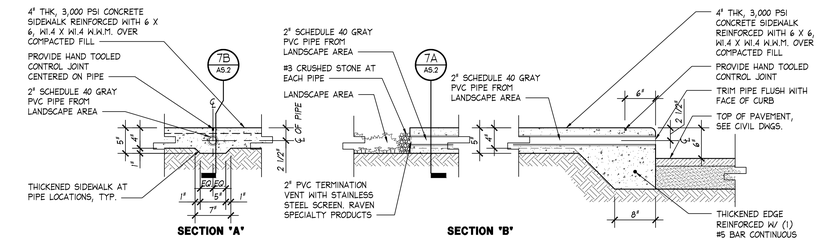
4 HANDICAP RAMP DETAIL
SCALE: 1/4" = 1'-0"



5 HANDICAP RAMP DETAIL
SCALE: 1/2" = 1'-0"



6 TYPICAL SIDEWALK DETAIL
SCALE: 1/2" = 1'-0"



7 SIDEWALK DRAIN DETAILS
SCALE: 1" = 1'-0"

GENERAL NOTES

1. AT THE BUILDING EXTERIOR, THE GC SHALL BE RESPONSIBLE FOR ALL SUB-GRADE ELECTRICAL CONDUIT AND FOUNDATIONS (AS APPLICABLE) FOR SITE LIGHTING. REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC REQUIREMENTS FOR CONDUIT RUNS

REFER TO THE CIVIL DRAWINGS FOR DIMENSIONS OF ALL ITEMS OUTSIDE OF THE BUILDING PERIMETER INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, PARKING STALLS, LOADING AREAS, LANDSCAPE AREAS AND DRIVE AISLES

IN ADDITION, REFER TO CIVIL DRAWINGS FOR ALL FINISHED PAVEMENT AND GRADE ELEVATIONS

REQUIREMENTS FOR EXTERIOR CONCRETE:

PERIMETER SIDEWALK: SHALL BE A MINIMUM OF 4" THICK, 3,000 PSI CONCRETE REINFORCED WITH 6" X 6", WI.4 X WI.4 WWM AND 1'-0" DEEP X 8" WIDE THICKENED SLAB EDGE, NATURAL GRAY COLOR. SURFACE TO RECEIVE MEDIUM BROOM FINISH. MEDIUM BROOM FINISH. RETOOL (WITH HAND EDGER) ALL CONTROL JOINTS AND EXPANSION JOINTS AFTER BROOM FINISHING TO ACHIEVE "PICTURE FRAME" IN CONCRETE. THIS SHALL INCLUDE ALL ABUTMENTS TO WALLS, CURBS, COLUMNS, ETC.

SIDEWALK CONTROL JOINTS SHALL BE SPACED BY NO MORE THAN 5'-0" IN EITHER DIRECTION WITH PRE-MOLDED EXPANSION JOINTS LOCATED EVERY 20'-0" MAX.

REFER TO EXTERIOR ELEVATIONS AND WALL SECTIONS FOR EXTERIOR WALL FINISHES

DOWNSPOUT REQUIREMENTS:

ALL DOWNSPOUTS SHALL SPILL ON TO GRADE THROUGH A CONCRETE SPLASH BLOCK. REFER TO CIVIL DRAWINGS FOR REQUIREMENTS.

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID

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ARCHITECTURAL SITE DETAILS

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With The Florida Building Code
ECS, Florida LLC
24-8289 3/31/2026

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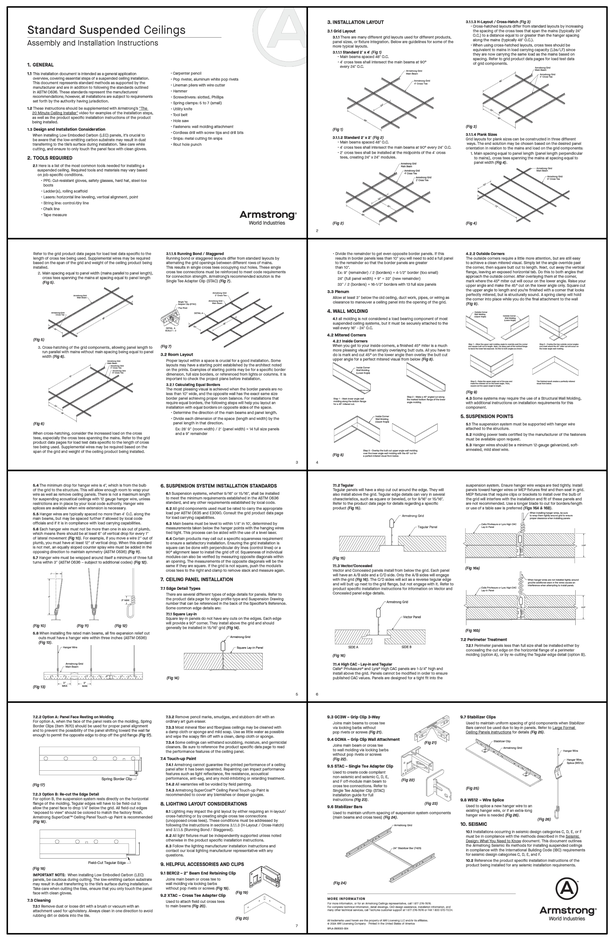

Standard Suspended Ceilings
Assembly and Installation Instructions

1. GENERAL

1.1 This installation document is intended as a general application overview, covering essential steps of a suspended ceiling installation. Actual installation procedures may vary depending on the size of the manufacturer and are in addition to following the standards outlined in ASTM C636. These standards represent the manufacturers recommended procedures and practices and are subject to requirements set forth by the authority having jurisdiction.

1.2 These instructions should be supplemented with Armstrong's "The Ceiling Installer's Guide" and the Armstrong Ceiling Systems Catalog, as well as the product specific installation instructions of the product being installed.

1.3 Design and Installation Consideration
When installing Low Embedded Carbon (LEC) panels, it's crucial to take precautions during cutting to minimize dust and prevent it from transitioning to the tile's surface during installation. Take care when cutting, and ensure to only touch the panel face with clean gloves.

2. TOOLS REQUIRED

2.1 Here is a list of the most common tools needed for installing a suspended ceiling. Required tools and materials may vary based on job-specific conditions.
- Cut-resistant gloves, safety glasses, hard hat, steel-toe boots
- Ladder(s), rolling scaffold
- Lasers, horizontal line leveling, vertical alignment, point
- String line, control-dry line
- Chalk line
- Tape measure
- Carpenter pencil
- Pop riveter, aluminum white pop rivets
- Lineman pliers with wire cutter
- Hacksaw
- Screwdrivers, slotted, Phillips
- Spring tweezers, 6 to 9 (small)
- Utility knife
- Tool belt
- Hole saws
- Screwdriver wall molding attachment
- Cordless drill with screw tips and drill bits
- Snips, metal cutting tin snips
- Stud hole punch

Armstrong World Industries

3

3. INSTALLATION LAYOUT

3.1 Grid Layout
3.1.1 There are many different grid layouts used for different products, such as Tegular, Fissured, and Integrated. Below are guidelines for some of the more typical layouts.
3.1.1.1 Standard 2' x 4' (Fig 1)
- Main beams spaced at 48" O.C.
- 4' cross tees shall intersect the main beams at 90° every 24" O.C.

(Fig 1)

3.1.1.2 Standard 2' x 2' (Fig 2)
- Main beams spaced at 48" O.C.
- 4' cross tees shall intersect the main beams at 90° every 24" O.C.
- 2' cross tees shall be centered at the midpoints of the 4' cross tees, creating 24" x 24" modules.

(Fig 2)

3.1.1.3 Hi-Layout / Cross-Hatch (Fig 3)
Hi-Layout is a variation of the standard layouts. In standard layouts by increasing the spacing of the cross tees that span the mains (typically 24" O.C.) to a distance equal to or greater than the hanger spacing (typically 48" O.C.), Hi-Layout is created.
When using cross-notched layouts, cross tees should be equivalent to mains in load carrying capacity (Like-Ch) since they will be cut at the notch and will not be supported at that spacing. Refer to grid product data pages for load-feet data of grid components.

(Fig 3)

3.1.1.4 Plank Sizes
Plank sizes and size sizes can be constructed in three different ways. The end selection may be chosen based on the desired panel orientation in relation to the mains and load on the grid components.
- Cut 2' (lengthwise) + 1' (lengthwise) + 2' (lengthwise) = 5' (plank)
- Cut 2' (lengthwise) + 2' (lengthwise) + 2' (lengthwise) = 6' (plank)

(Fig 4)

3.1.2 Running Bond / Staggered
Running bond or staggered layouts differ from standard layouts by alternating the grid openings between different rows of mains. Typically, the grid openings are staggered by 24" or 48". Because cross tee connections must be reinforced to meet code requirements for connection strength, Armstrong's recommended solution is the Single Tee Adapter Clip (STAC) (Fig 5).

(Fig 5)

3.2 Room Layout
Proper layout within a space is crucial for a good installation. Some of the factors that should be considered are: the size of the space and/or the grids, Examples of starting points may be for a specific border dimension, full size borders, or referenced from lights or columns. It is recommended to start at the same time before installation.

3.2.1 Calculating Equal Borders
The most pleasing visual is achieved when the border panels are no less than 1/2 of a full panel. Centering the grid in the space for equal border panel achieving proper work balance. For installations that require equal borders, the following steps will help you layout an installation that will balance the perimeter sides of the space.
- Determine the direction of the main beams and panel length.
- Divide each dimension of the space (length and width) by the panel length in that direction.
  Ex. 24' 9" (room width) / 2' (panel width) = 14 full size panels and a 9" remainder.

Divide the remainder to get even opposite border panels. If this results in border panels less than 1/2" you will need to add a full panel to the remainder so that the border panels are greater
Ex. 9" (remainder) + 2 (borders) = 4 1/2" border (too small)
24" (full panel width) + 9" = 33" (new remainder)
33" / 2 (borders) = 16 1/2" borders with 13 full size panels

(Fig 6)

3.3 Plenum
Allow at least 4" below the old ceiling, duct work, pipes, or wiring as clearance to maneuver a ceiling panel into the opening of the grid.

4. WALL MOLDING

4.1 All molding is not considered a load bearing component of most suspended ceiling systems, but it must be securely attached to the wall every 16" - 24" O.C.

4.2 Mitered Corners

4.2.1 Inside Corners
When you get to your inside corners, a finished 45° miter is a much more pleasing look than butting the pieces together. To do this, you will do is mark and cut 45° on the lower edge from inside the bolt cut upper angle for a perfect mitered visual from below (Fig 8).

(Fig 8)

4.2.2 Outside Corners
The outside corners require a little more attention, but are still easy to achieve a clean mitered visual. Simply let the angle overlab past the corner and mark where it meets the wall. Cut 45° on the lower edge (here), leaving an exposed horizontal tab. Do this to both angles that approach the outside corner, after overlaying them at the corner. Remove the tab from the piece that will be on the left side of the corner and make the 45° cut at the lower angle only. Square cut the upper angle to length and you're finished with a corner that looks like it was mitered. Use a pencil to mark where the tab will be cut at the corner into place while you do the final attachment to the wall (Fig 9).

(Fig 9)

4.3 Some systems may require the use of a Structural Wall Molding, with additional instructions on installation requirements for this component.

5. SUSPENSION POINTS

5.1 The suspension system must be supported with hanger wire attached to the structure.

5.2 Hanger wire must be specified by the manufacturer of the fasteners must be available upon request.

5.3 Hanger wires should be a minimum 12-gauge galvanized, soft-annealed, mild steel wire.

6. SUSPENSION SYSTEM INSTALLATION STANDARDS

6.1 Suspension systems, whether 9/16" or 15/16", shall be installed to meet the minimum requirements established in the ASTM C636 standard. Refer to the manufacturer's instructions for more details.

6.2 All grid components used must be rated to carry the appropriate load per ASTM C636 and ES0160. Consult the grid product data page for load ratings and specifications.

6.3 Main beams must be level to within 1/8" in 10', determined by measurements taken below the hanger points with the hanging wires at the same height above the floor or deck (Fig 10) (Fig 11).

6.4 Certain products may call out a specific expansion requirement to ensure a satisfactory installation. Ensuring the grid installation is square is critical to the overall look of the finished ceiling system. The 90° alignment sees to install the grid of 4'. Dimensions of individual modules can also be verified by measuring opposite diagonals within the grid. The diagonal measurements should be equal (Fig 12) (Fig 13). If tees fit the spaces, if the grid is not square, push the module's cross tees to the right and clamp to remove slack and measure again.

7. CEILING PANEL INSTALLATION

7.1 Edge Detail Types
There are several different types of edge details for panels. Refer to the product data page for edge profile type and Suspension Drawing Number (SDN) that is printed on the back of the Specifier's Reference. Some common edge details are:

7.1.1 Square Lay-In
Square lay-in panels do not have any cuts on the edges. Each edge will provide a 90° corner. They install above the grid and should generally be installed in ½ NF. (pg 14) (Fig 14).

(Fig 14)

7.1.2 Tegular
Tegular panels will have a step cut out around the edge. They will also install above the grid. Tegular edge details can vary in several characteristics, such as square or beveled, or for 9/16" or 15/16". Refer to the product data page for details regarding the specific product (Fig 15).

(Fig 15)

7.1.3 Vector/Concealed
Vector and Concealed panels install from below the grid. Each panel has a kerf cut on all four sides. The kerf is used to hook the panel with the grid (Fig 16). The 4.0 scales will act as a reverse tegular edge and will butt up next to the grid flange, but not engage with it. Refer to the product data page for details regarding the specific product (Fig 16A & 16B).

(Fig 16)

(Fig 16A)

(Fig 16B)

7.2 Perimeter Treatment
Each ceiling system other than full-size shall be installed either by installing the cut edges to the horizontal flange of a perimeter molding (option A), or by re-cutting the Tegular edge detail (option B).

7.3 Option A - Panel Face Reveling on Molding
For option A, where the face of the panel rests on the molding, Spring Border Clips are used to hold the panel face down on the molding and to prevent the possibility of the panel shifting toward the wall far enough to permit the opposite edge to drop off the grid flange (Fig 17).

(Fig 17)

7.3 Option B - Re-cut the Edge Detail
For option B, where the panel rests directly on the horizontal flange of the molding, Tegular panels will have to be field-cut to allow the panel face to drop 1/4" below the grid. All field cut edges should be painted with a touch-up paint pen. The use of Armstrong SupraCoat™ Ceiling Panel Touch-up Paint is recommended (Fig 18).

(Fig 18)

IMPORTANT NOTE: When installing Low Embedded Carbon (LEC) panels, be cautious during cutting. The low-emitting carbon substrate may result in dust transferring to the tile's surface during installation. Take care when cutting the tiles, ensure that you only touch the panel face with clean gloves.

7.5 Cleaning
7.5.1 Remove dust or loose dirt with a brush or vacuum with an attachment used for upholstery. Always clean in one direction to avoid rubbing dirt or debris into the tile.

7.5.2 Remove pencil marks, smudges, and stubborn dirt with an ordinary art gum eraser.

7.5.3 Fingerprints and filmy and fiberglass ceilings may be cleaned with a damp cloth or sponge and mild soap. Use as little water as possible and wipe the soapy film off with a clean, damp cloth or sponge.

7.5.4 Always test cleaning procedures in an inconspicuous, inaccessible cleaners. Be sure to reference the product specific data page to read the performance features of the ceiling panel.

7.6 Touch-up Paint
7.6.1 Armstrong cannot guarantee the printed performance of a ceiling that has been painted. Paint applied to the face may change important features such as light reflectance, fire resistance, acoustical performance, anti-sag, and any mold-inhibiting or retarding treatment. Refer to the product data page for paint guidelines.
7.6.2 Armstrong SupraCoat™ Ceiling Panel Touch-up Paint is recommended to cover any blemishes or deeper gouges.

8. LIGHTING LAYOUT CONSIDERATIONS

8.1 Lighting may impact the grid layout by either requiring an in-layout/cross notching or by creating single cross tee connections (unopposed cross tees). These conditions must be addressed by reinforcing the cross tee connections (refer to 3.1.1.3 Hi-Layout / Cross-Hatch) and 3.1.2 (Running Bond / Staggered).
8.2 All light fixtures must be independently supported unless noted otherwise by the fixture manufacturer's instructions.
8.3 Follow the lighting manufacturer installation instructions and contact our local lighting manufacturer representative with any questions.

9. HELPFUL ACCESSORIES AND CLIPS

9.1 BERG® – 2" Beam End Retaining Clip
Joins main beam or cross tee to wall molding via locking tabs, without (not shown) or screws (Fig 19).

(Fig 19)

9.2 GCW – Grip Clip 2-Way
Joins main beams to cross tee intersections. Secures with snips or screws (Fig 21).

(Fig 21)

9.4 GCWA – Grip Clip Mod Attachment
Used to create code compliant connections between cross tees to wall molding as locking barbs without (not shown) or screws (Fig 22).

(Fig 22)

9.5 STAC – Single Tee Adapter Clip
Used to create code compliant connections between cross tees and 4' off-module main beam to single tee adapter clip. Refer to Single Tee Adapter Clip (STAC) installation guide for full instructions (Fig 23).

(Fig 23)

9.6 Stabilizer Bars
Used between uniform spacing of suspension system components chain lowers and cross tees) (Fig 24).

(Fig 24)

9.7 Stabilizer Clips
Used to maintain uniform spacing of grid components when Stabilizer Bars are installed. Refer to Stabilizer Bar in Large Format Ceiling Panels Instructions for details (Fig 25).

(Fig 25)

9.8 WHSZ – Wire Splice
Used to splice a new hanger wire to an existing hanger wire. Refer to how hanger wire is needed (Fig 26).

(Fig 26)

10. SEISMIC
10.1 Installations occurring in seismic design categories C, D, E, or F must be in compliance with the methods described in the Seismic Design What You Need to Know document. This document outlines the Armstrong Seismic Kit methods for installing suspended ceilings in compliance with the International Building Code (IBC) requirements for seismic design categories C, D, E and F.
10.2 Refer to the product specific installation instructions of the product being installed for any seismic installation requirements.

Armstrong World Industries

MORE INFORMATION
For additional technical information, including ceiling's ratings representative, call 1.877.276.7876.
For corporate metrics and financial data, annual drawings, CAD design assistance, installation assistance, and many other technical services, visit Armstrong's website at www.armstrongceilings.com.
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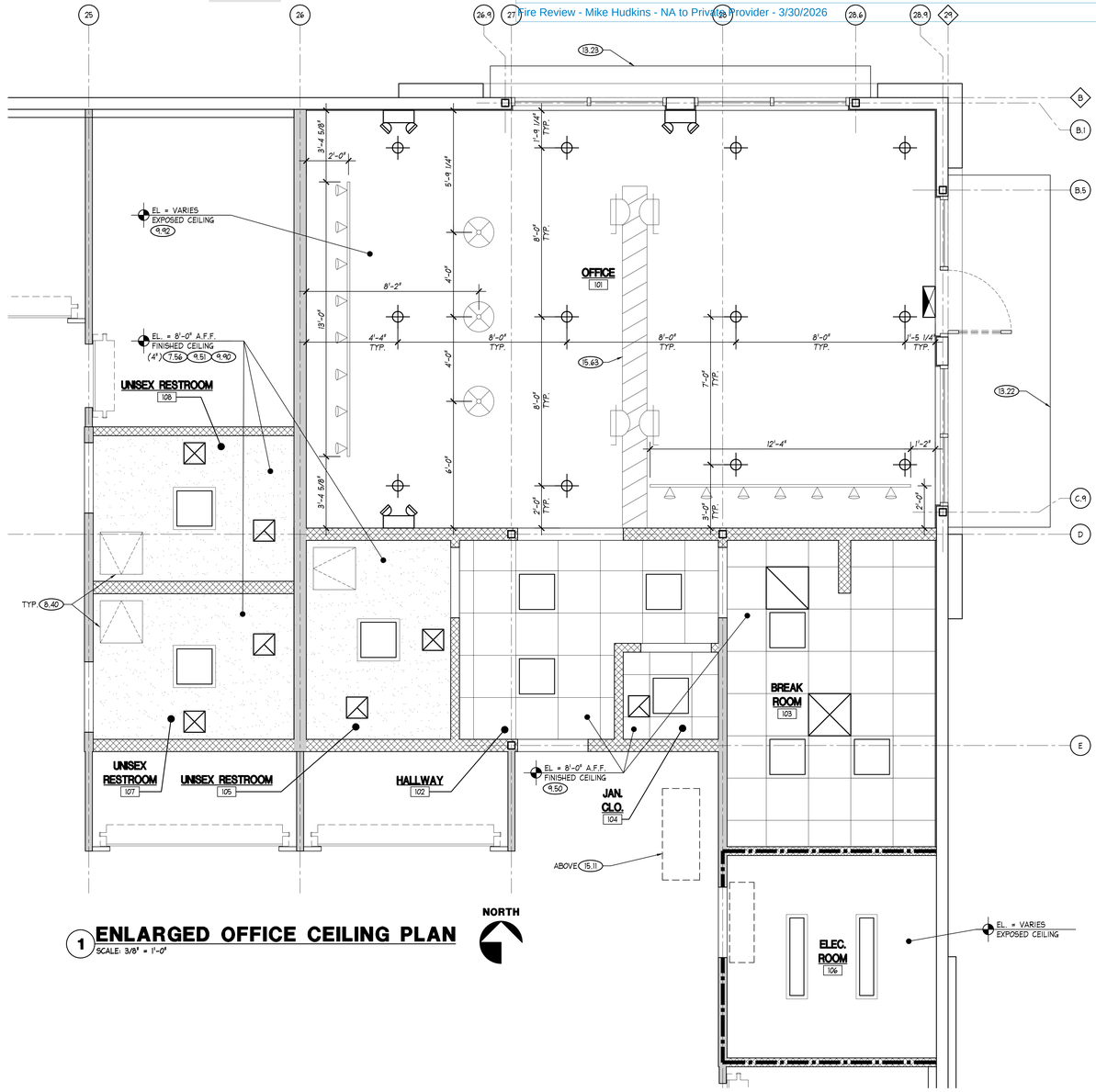
M-AWI-8909-0120

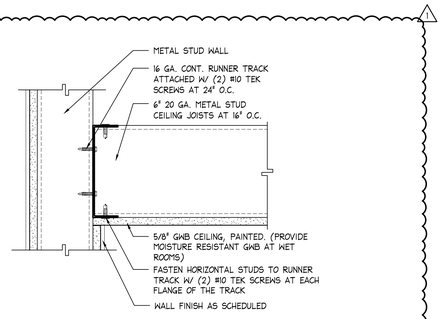
7

4 ACT CEILING DETAILS
NOT TO SCALE

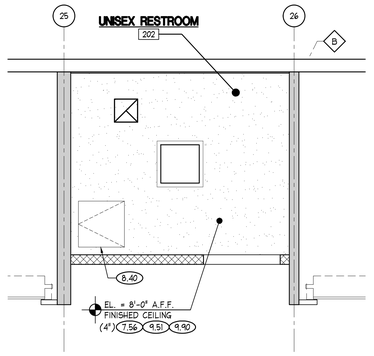


1 ENLARGED OFFICE CEILING PLAN
SCALE: 3/8" = 1'-0"

NORTH



3 SECTION DETAIL AT INTERIOR GWB CEILING OVER METAL STUD FRAMING
SCALE: 3" = 1'-0"



2 ENLARGED RESTROOM CEILING PLAN
SCALE: 3/8" = 1'-0"

NORTH

REFLECTED CEILING LEGEND

SYMBOL	DESCRIPTION	REMARKS
	LAY-IN LIGHT FIXTURE (ACOUSTIC CEILING)	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	RECESSED LIGHT FIXTURE (GWB CEILING)	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	CEILING MOUNTED LIGHT FIXTURE (LOADING AREA CEILING)	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	EXIT LIGHT	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	EMERGENCY LIGHT	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	STRIP LIGHT FIXTURE	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	SUSPENDED LIGHT FIXTURE	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	PENDANT MOUNTED LIGHT FIXTURE	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	TRACK LIGHT FIXTURE	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	SUPPLY AIR DEVICE	REFER TO MECHANICAL DRAWINGS
	RETURN AIR DEVICE	REFER TO MECHANICAL DRAWINGS
	EXHAUST AIR DEVICE	REFER TO MECHANICAL DRAWINGS
	24" X 24" ACOUSTIC CEILING GRID	REFER TO FINISH SCHEDULE ON SHEET A2.1 FOR ADDITIONAL INFORMATION
	5/8" GWB CEILING (PAINTED) OVER 6" 20 GA. METAL STUD FRAMING AT 16" O.C.	REFER TO FINISH SCHEDULE ON SHEET A2.1 FOR ADDITIONAL INFORMATION

GENERAL NOTES

GENERAL REFLECTED CEILING PLAN NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ALL LIGHTING SPECIFICATIONS AND FOR FINAL LOCATIONS OF EXIT AND EMERGENCY LIGHTING

2. REFER TO MECHANICAL PLANS FOR HVAC EQUIPMENT AND CEILING SUPPLY, RETURN AND EXHAUST AIR DEVICES

3. REFER TO ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS ABOVE STOREFRONTS

4. REFER TO ROOM FINISH SCHEDULE ON SHEET A2.1 FOR CEILING FINISHES

5. ALL STORAGE UNITS SHALL HAVE WOVEN WIRE MESH, 2" X 2" SQUARE INSTALLED HORIZONTALLY AT TOP OF STORAGE UNIT PARTITIONS (TO BE PROVIDED BY STORAGE SYSTEM MANUFACTURER. REFER TO DETAILS ON SHEET A2.2

6. REFER TO SHEET A4.1 FOR DOOR AND STOREFRONT HEAD DETAILS

7. UNLESS OTHERWISE SPECIFIED, PROVIDE LIGHT FIXTURES, DIFFUSERS AND CEILING DEVICES FINISHED TO MATCH ACOUSTICAL CEILING GRID COLOR. REFER TO SHEET A2.1

8. AT ACOUSTICAL TILE CEILINGS, THE GRID SHALL BE CENTERED WITHIN THE ROOM UNLESS OTHERWISE NOTED

9. FIRE SPRINKLER HEADS SHALL BE CENTERED IN THE GRID OPENINGS UNLESS OTHERWISE NOTED

REFER TO THE WALL LEGEND AND INTERIOR PARTITION TYPES ON SHEET A1.4

THE REFLECTED CEILING PLANS ARE INTENDED TO CONVEY CEILING FINISHES, CEILING HEIGHTS AND CEILING MOUNTED LIGHT FIXTURES AND DEVICES. REFER TO THE ELECTRICAL, MECHANICAL AND FIRE PROTECTION DRAWINGS (AS APPLICABLE) FOR COMPLETE FIXTURE AND DEVICE SPECIFICATIONS

EXTERIOR WALL MOUNTED LIGHT FIXTURES HAVE BEEN OMITTED FROM THE REFLECTED CEILING PLANS. REFER TO THE EXTERIOR ELEVATIONS FOR LOCATIONS AND MOUNTING HEIGHTS FOR EXTERIOR, WALL MOUNTED FIXTURES. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE SPECIFICATIONS

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS "TYPICAL" (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID

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TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision description
1	03.27.26	REVISIONS PER THIRD PARTY PLAN REVIEW COMMENTS

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

ENLARGED
CEILING PLANS

A2.0

3/27/2026 9:18 AM

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
24-8289 3/31/2026

Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Fire Review - Mike Hudkins - NA to Private Provider - 3/30/2026

DRYWALL AND DWSS

USG DRYWALL SUSPENSION SYSTEM
DGLW26E

NOA. No. 24-1011.07

Technical Data

Main Tee	All Acceptable Panel Sizes (inch)	Main Tee Spacing (inch)	Cross Tee Spacing (inch)	Compression Post Spacing (inch)	Test Standard	Maximum Load Rating (psf) Uplift psf (kPa)	Downward psf (kPa)	Equivalent Wind Speed mph (kph)
DGLW26E	See note 4 below	24	16	24	Miami-Dade, HVHZ TAS 202 & 203	15 (0.53)	-75 (-3.59)	171 (275)
	1 layer of 5/8"	48	24	24	UL 580²	15 (0.72)		77 (124)
	1 layer of 1/2"	48	16	30	UL 580²	15 (0.72)		77 (124)
	1 layer of 5/8"	48	24	30	UL 580²	15 (0.72)		77 (124)
	1 layer of 5/8"	24	24	30	UL 580²	30 (1.44)		106 (174)
	2 layers of 5/8"	24	24	42	UL 580²	60 (2.87)		153 (246)
	2 layers of 5/8"	24	24	30	UL 580²	90 (4.31)		188 (302)
	5/8" plywood and 5/8" drywall	24	16	24	UL 580²	90 (4.31)		188 (302)

1. Factor of safety of 1.17 is included
2. Factor of safety of 1.5 for 30 psf, 1.3 for 60 psf, 1.17 for 90 psf is included per test standard
3. Factor of safety of 1.5 is included per test standard

4. Min 1/2" Securock® Brand Glass Mat sheathing or Min 1/2" Securock® Brand UltraLight Glass Mat Sheathing

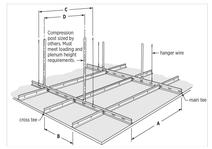
USG DRYWALL SUSPENSION SYSTEM

WIND RESISTANCE FOR EXTERIOR SOFFITS

The USG Drywall Suspension System may be used for protected exterior applications not directly exposed to weather. The system has been tested using applicable industry standards for wind resistance when installed in exterior soffits and canopies. For more information regarding test standards and online resources, please refer to the Systems Overview section of this guide.

Only USG Securock® Brand UltraLight Glass-Mat Sheathing is suitable for exterior applications. Refer to Securock® Brand submittal and installation instructions for more information.

WIND RESISTANCE FOR EXTERIOR SOFFITS



COMPRESSION POSTS

PARALINE® II COMPRESSION POSTS

EMT conduit is best used with USG Paraline® II. USG Paraline® II adapter is inserted into EMT conduit and into symmetrical carrier.

Paraline® II Compression Post Adapter	Paraline® II Compression Post Adapter in Conduit	Paraline® II Compression Post Application

Note
When used with symmetrical carriers, compression post adapters must be purchased. The end plug of the compression post is removed and replaced with the adapter prior to installation. The Paraline® II compression post adapter is not included with the compression post and must be purchased separately.

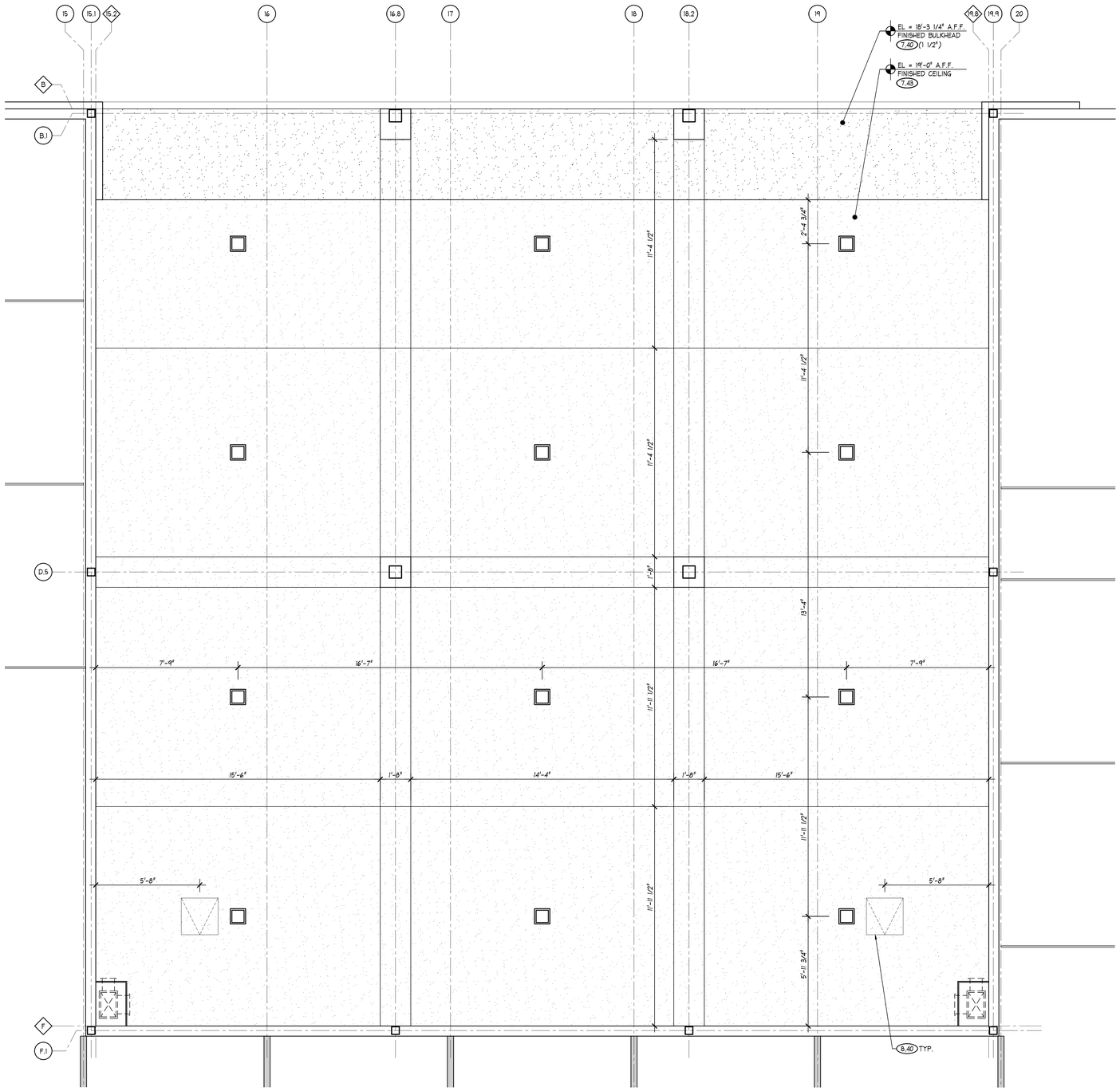
STEEL FRAMING COMPRESSION STRUTS

Steel members with sufficient strength are allowed by code and may be suitable for use as a compression post. Below are some common, light-gauge steel members provided by others that are typically used as compression posts.

Uplift Class / Maximum Pressure	Maximum Length (in.)	Compression Post
Class 15 & Class 30 / 30 psf	96	Min. 1-5/8 in. — 20-ga. stud Min. 1-5/8 in. — 20-ga. track
Class 60 / 60 psf	48	Min. 1-5/8 in. — 20-ga. stud Min. 1-5/8 in. — 20-ga. track
	96	Min. 2-1/2 in. — 20-ga. stud back to back Min. 2-1/2 in. — 20-ga. stud back to back
Class 90 / 150 psf	48	Min. 1-5/8 in. — 20-ga. stud Min. 1-5/8 in. — 20-ga. track
	96	Min. 2-1/2 in. — 20-ga. stud back to back Min. 2-1/2 in. — 20-ga. stud back to back

Notes
1. The information provided is for quick reference only. Other restrictions and exemptions may apply.
2. All struts and allowable lengths should be verified by a design professional before use.
3. A structural engineer should be consulted for lengths greater than 8 ft.
4. Larger posts can be used; however, the compression post properties listed above shall be considered minimums.
5. The compression post must be attached to the grid member with at least four #8 screws.
6. The compression post attachment to the structure shall be determined by the engineer of record.

2 EXT. DENSGLASS SHEATHING OVER SUSP. SYSTEM DETAILS
NOT TO SCALE



1 ENLARGED LOADING CEILING PLAN
SCALE: 3/8" = 1'-0"

NORTH

REFLECTED CEILING LEGEND

SYMBOL	DESCRIPTION	REMARKS
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	EXIT LIGHT	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	EMERGENCY LIGHT	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	STRIP LIGHT FIXTURE	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	SUSPENDED LIGHT FIXTURE	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	PENDANT MOUNTED LIGHT FIXTURE	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	TRACK LIGHT FIXTURE	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	SUPPLY AIR DEVICE	REFER TO MECHANICAL DRAWINGS
	RETURN AIR DEVICE	REFER TO MECHANICAL DRAWINGS
	EXHAUST AIR DEVICE	REFER TO MECHANICAL DRAWINGS
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3. REFER TO ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS ABOVE STOREFRONTS

4. REFER TO ROOM FINISH SCHEDULE ON SHEET A2.1 FOR CEILING FINISHES

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6. REFER TO SHEET A4.1 FOR DOOR AND STOREFRONT HEAD DETAILS

7. UNLESS OTHERWISE SPECIFIED, PROVIDE LIGHT FIXTURES, DIFFUSERS AND CEILING DEVICES FINISHED TO MATCH ACOUSTICAL CEILING GRID COLOR. REFER TO SHEET A2.1

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9. FIRE SPRINKLER HEADS SHALL BE CENTERED IN THE GRID OPENINGS UNLESS OTHERWISE NOTED

REFER TO THE WALL LEGEND AND INTERIOR PARTITION TYPES ON SHEET A1.4

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TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision descriptions
1	03.27.26	REVISIONS PER THIRD PARTY PLAN REVIEW COMMENTS

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

ENLARGED CEILING PLAN

A2.0A

3/27/2026 9:19 AM

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
-8289
3/31/2026

Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
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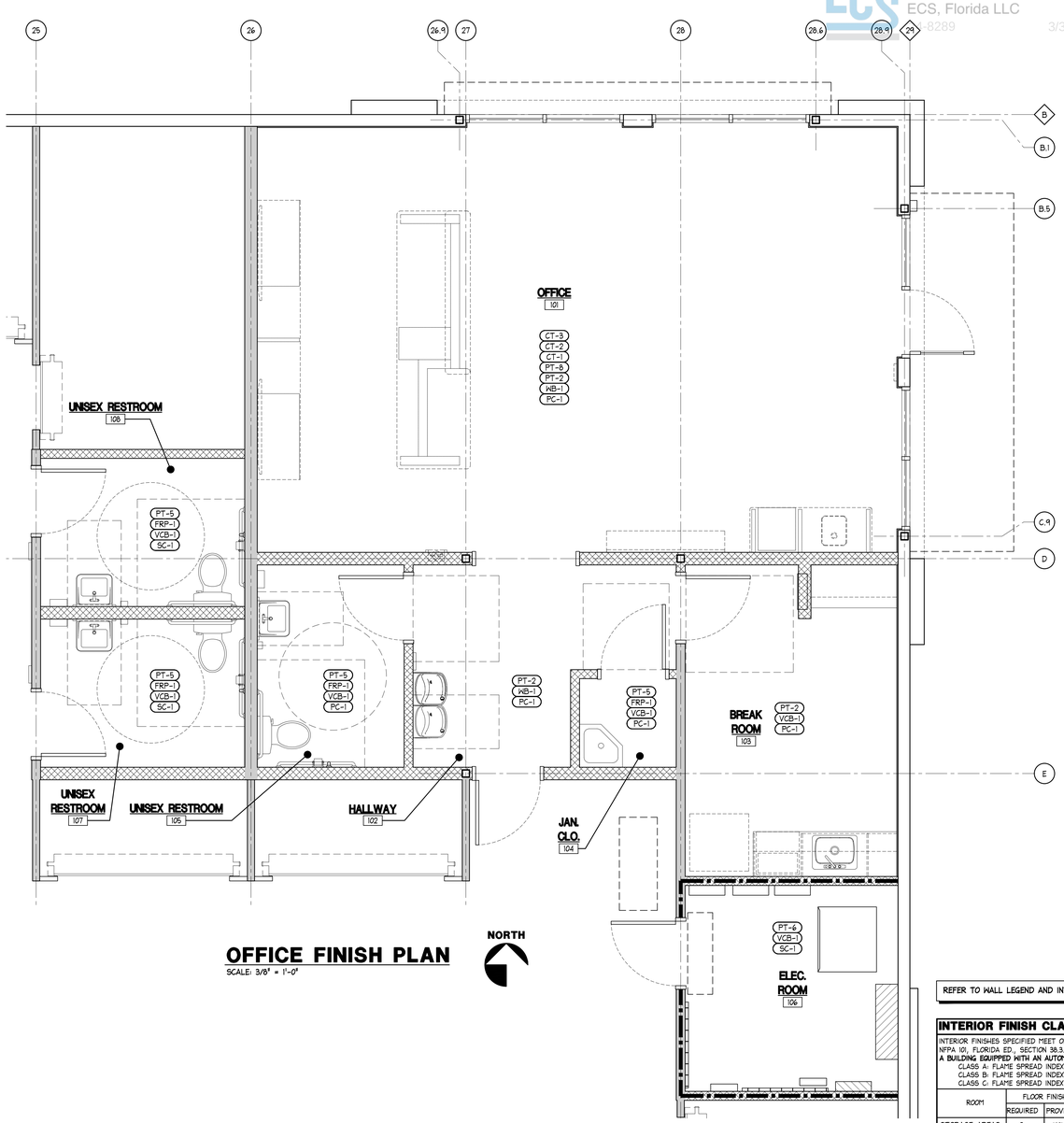

OFFICE FINISH PLAN

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

NORTH

NOTE:
RESTROOM FINISHES SHALL COMPLY WITH FBC SECTION 1210.2

REFER TO WALL LEGEND AND INTERIOR PARTITION TYPES ON SHEET A1.4

INTERIOR FINISH CLASSIFICATION

INTERIOR FINISHES SPECIFIED MEET OR EXCEED REQUIREMENTS OF FBC TABLE 803.11 AND NFPA 101, FLORIDA ED., SECTION 38.3.3 FOR **GROUP S-1 (STORAGE) OCCUPANCIES WITHIN A BUILDING EQUIPPED WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM**

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

ROOM	FLOOR FINISH		WALL FINISH		CEILING FINISH	
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED
STORAGE AREAS	C	NONE	C	NONE	C	NONE
EXIT ENCLOSURES	CLASS II	NONE	B	NONE	B	NONE
OPEN OFFICE	C	A	C	A	C	A
TOILET ROOMS	C	A	C	A	C	A
BREAK ROOM	C	A	C	A	C	A

ROOM FINISH SCHEDULE

	ROOM NUMBER	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	BASE MATERIAL	BASE FINISH	WALL MATERIAL	WALL FINISH	CEILING MATERIAL	CEILING FINISH	CEILING HEIGHT	REMARKS
FIRST FLOOR	101	OFFICE	CONC	PC-1	WB	WB-1	GWB/CT	PT-2, PT-8, CT-1, CT-2, CT-3 SEE INTERIOR ELEVATIONS ON SHEET A2.2 FOR ALL LOCATIONS, TYP.	EPS	PT-7	-	1, 2, 3
	102	HALLWAY	CONC	PC-1	WB	WB-1	GWB	PT-2 TYPICAL (ALL WALLS)	ACT	ACT-1	8'-0" A.F.F.	1, 3, 28
	103	BREAK ROOM	CONC	PC-1	VCB	VCB-1	GWB	PT-2 TYPICAL (ALL WALLS)	ACT	ACT-1	8'-0" A.F.F.	1, 3, 27, 28
	104	JANITOR'S CLOSET	CONC	PC-1	VCB	VCB-1	GWB-MR/FRP	PT-5 FROM FINISHED FLOOR TO FINISHED CEILING (TYP.) FRP-1 FROM FINISHED FLOOR TO 4'-0" A.F.F. WHERE INDICATED ON ENLARGED FLOOR PLAN	ACT	ACT-1	8'-0" A.F.F.	1, 4, 28, 29
	105	UNISEX RESTROOM	CONC	PC-1	VCB	VCB-1	GWB-MR/FRP	PT-5 FROM FINISHED FLOOR TO FINISHED CEILING (TYP.) FRP-1 FROM FINISHED FLOOR TO 4'-0" A.F.F.	GWB	PT-3	8'-0" A.F.F.	1, 4, 5, 20, 23, 28
	106	ELECTRICAL ROOM	CONC	SC-1	VCB	VCB-1	FRT	PT-6 TYPICAL (ALL WALLS)	EPS	-	-	13, 24, 29
	107	UNISEX RESTROOM	CONC	SC-1	VCB	VCB-1	GWB-MR/FRP	PT-5 FROM FINISHED FLOOR TO FINISHED CEILING (TYP.) FRP-1 FROM FINISHED FLOOR TO 4'-0" A.F.F.	GWB	PT-3	8'-0" A.F.F.	1, 4, 5, 20, 23
	108	UNISEX RESTROOM	CONC	SC-1	VCB	VCB-1	GWB-MR/FRP	PT-5 FROM FINISHED FLOOR TO FINISHED CEILING (TYP.) FRP-1 FROM FINISHED FLOOR TO 4'-0" A.F.F.	GWB	PT-3	8'-0" A.F.F.	1, 4, 5, 20, 23
	109	ENTRANCE LOBBY	CONC	SC-1	VCB	VCB-1	CMU/GWB/MHS	PT-6 ALL SURFACES REQUIRING PAINT FINISH	EPS	-	-	6, 9, 13, 26, 29
	110	STORAGE										
		CORRIDORS (TYPICAL)	CONC	SC-1	-	-	CMU/GWB/MHS	PT-6 TYPICAL AT CMU AND EXPOSED GWB WALLS WHERE OCCURS. SEE PLAN	EPS	-	-	9, 10, 11, 13, 21
		STORAGE UNITS (TYPICAL)	CONC	SC-1	-	-	CMU/GWB/MHS		EPS	-	-	9, 10, 11, 12, 13, 22
	ST101	STAIR 1	CONC	SC-1	-	-	CMU		EPS	-	-	7, 8
	ST102	STAIR 2	CONC	SC-1	-	-	CMU		EPS	-	-	7, 8
SECOND FLOOR	201	ELEVATOR LOBBY	CONC	SC-1	-	-	CMU/MHS	PT-6 ALL SURFACES REQUIRING PAINT FINISH	EPS	-	-	6, 13, 21, 26, 27
	202	UNISEX RESTROOM	CONC	SC-1	VCB	VCB-1	GWB-MR/FRP	PT-5 FROM FINISHED FLOOR TO FINISHED CEILING (TYP.) FRP-1 FROM FINISHED FLOOR TO 4'-0" A.F.F.	GWB	PT-3	8'-0" A.F.F.	1, 4, 5, 20, 23
	203	DISPLAY	CONC	SC-1	-	-	CMU/MHS	PT-6 ALL SURFACES REQUIRING PAINT FINISH	EPS	-	-	6, 13, 15
	204	STORAGE										
		CORRIDORS (TYPICAL)	CONC	SC-1	-	-	CMU/GWB/MHS	PT-6 TYPICAL AT CMU AND EXPOSED GWB WALLS WHERE OCCURS. SEE PLAN	EPS	-	-	9, 10, 11, 13, 21
		STORAGE UNITS (TYPICAL)	CONC	SC-1	-	-	CMU/GWB/MHS		EPS	-	-	9, 10, 11, 12, 13, 22
	ST201	STAIR 1	CONC	-	-	-	CMU		EPS	-	-	7, 8
	ST202	STAIR 2	CONC	-	-	-	CMU		EPS	-	-	7, 8
THIRD FLOOR	301	ELEVATOR LOBBY	CONC	SC-1	-	-	CMU/MHS	PT-6 ALL SURFACES REQUIRING PAINT FINISH	EPS	-	-	6, 13, 21, 26
	302	DISPLAY	CONC	SC-1	-	-	CMU/MHS	PT-6 ALL SURFACES REQUIRING PAINT FINISH	EPS	-	-	6, 13, 15
	303	STORAGE										
		CORRIDORS (TYPICAL)	CONC	SC-1	-	-	CMU/GWB/MHS	PT-6 TYPICAL AT CMU AND EXPOSED GWB WALLS WHERE OCCURS. SEE PLAN	EPS	-	-	9, 10, 11, 13, 21
		STORAGE UNITS (TYPICAL)	CONC	SC-1	-	-	CMU/GWB/MHS		EPS	-	-	9, 10, 11, 12, 13, 22
	ST301	STAIR 1	CONC	-	-	-	CMU		EPS	-	-	7, 8
	ST302	STAIR 2	CONC	-	-	-	CMU		EPS	-	-	7, 8

MATERIAL ABBREVIATIONS

FLOORS:
CONC CONCRETE
VPF VINYL PLANK FLOORING
CPT CARPET TILES

WALLS:
CMU CONCRETE MASONRY UNIT
FRP FIBERGLASS REINFORCED PANEL
GWB GYPSUM WALL BOARD
GWB-MR GYPSUM WALL BOARD, MOISTURE RESISTANT
MHS METAL HALLWAY SYSTEM
FRT FIRE RETARDANT TREATED PLYWOOD
CT CERAMIC TILE

CEILINGS:
EPS EXPOSED STRUCTURE
ACT ACOUSTICAL CEILING TILE
GWB GYPSUM WALL BOARD CEILING
WM WIRE MESH

BASE:
VCB VINYL COVE BASE
WB WOOD BASE

ALTERNATE BIDS

STAIR AND ENCLOSURE REQUIREMENTS:

BASE BID SHALL INCLUDE THE FOLLOWING:

1) ALL STEEL STAIRS AND ROOF ACCESS LADDER COMPONENTS INCLUDING HANDRAILS, GUARDRAILS, STRINGERS, TREAD PANS, RISERS, AND ROOF ACCESS HATCH SHALL BE PAINTED UNLESS OTHERWISE NOTED.

2) NO PAINT REQUIRED AT THE CMU WALLS AT THE INTERIOR OF THE STAIR ENCLOSURES. PROVIDE PAINT FINISH ONLY AT ANY GWB WALL SURFACES

ALTERNATE BIDS SHALL INCLUDE THE FOLLOWING:

1) PROVIDE ALTERNATE BID FOR PAINT FINISH AT THE CMU WALLS AT THE INTERIOR OF THE STAIR ENCLOSURES

FINISH SCHEDULE

MARK	DESCRIPTION	MANUFACTURER
PT-1	"HIGH SIERRA" COLOR #SW 9588 - GLOSS FINISH	SHERWIN WILLIAMS
PT-2	"HIGH SIERRA" COLOR #SW 9588 - EGGSHELL FINISH	SHERWIN WILLIAMS
PT-3	PROMAR-400 WHITE-FLAT	SHERWIN WILLIAMS
PT-4	PROCLASSIC B31W51, "NUANCE" COLOR #SW 7049 - SEMI-GLOSS FINISH	SHERWIN WILLIAMS
PT-5	PROMAR-200, "NUANCE" COLOR #SW 7049 - SEMI-GLOSS FINISH	SHERWIN WILLIAMS
PT-6	PROMAR-400 S/G HALL BRIGHT WHITE-EGGSHELL	SHERWIN WILLIAMS
PT-7	"TRICORN BLACK", #SW 6258, LATEX DRY FALL, FLAT	SHERWIN WILLIAMS
PT-8	"WARM STONE" COLOR #SW 7032 - EGGSHELL FINISH	SHERWIN WILLIAMS
PT-9	"TRICORN BLACK" COLOR #SW 6258 - SEMI-GLOSS FINISH	SHERWIN WILLIAMS
PT-10	"NUANCE" COLOR #SW 7049 - GLOSS FINISH	SHERWIN WILLIAMS
CT-1	ECO-BODY CERAMIC 3"X6" TILE, COLOR: "SPRING GREEN" GROUT - POLYBLEND, COLOR: "BONE" #382	DALTILE
CT-2	ECO-BODY CERAMIC 3"X6" TILE, COLOR: "ALMOND" GROUT - POLYBLEND, COLOR: "BONE" #382	DALTILE
CT-3	ECO-BODY CERAMIC 3"X6" TILE (BULLNOSE RUNNER), COLOR: "SPRING GREEN". GROUT - POLYBLEND, COLOR: "BONE" #382	DALTILE
FRP-1	48" FRP WAINSCOT, EMBOSSED, COLOR: "GRAY"	GLASLINER
PC-1	POLISHED CONCRETE, SEE SPEC SECTION	QUESTMARK FLOORING
SC-1	BURNISHED, SEALED CONCRETE	KURE-N-SEAL BY BASF OR EQUAL AT HALLWAYS MAX WITH FINISH JOB 35
VCB-1	4" HIGH BASE, COLOR: #148 "STEEL GRAY"	ROPPE
WB-1	PAINT GRADE 1"X6" WOOD BASE MOLDING, PAINTED PT-5	
ACT-1	SUSPENDED CEILING PANEL SYSTEM 24" X 24", TEGULAR LAY-IN, COLOR: WHITE	ARMSTRONG

ROOM FINISH REMARKS

1. REFER TO FLOOR PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
2. REFER TO OFFICE REFLECTED CEILING PLAN ON SHEET A2.0 FOR ADDITIONAL INFORMATION
3. TRIM TO BE PT-1
4. DOOR AND TRIM TO BE PT-4, TYPICAL AT RESTROOMS
5. PROVIDE AND INSTALL FRP-1 WAINSCOT FROM FINISHED FLOOR TO 4'-0" A.F.F., U.N.O. PROVIDE CLEAR ALUMINUM OR STAINLESS STEEL TERMINATION CAP AT TOP OF WAINSCOT. WHERE PANELS ARE TO BE CUT SHORTER THAN 4'-0", HIDE CUT END AT BOTTOM OF PANEL BELOW BASE MOLDING
6. PAINT ALL EXPOSED CMU PT-6 (STAIRS, ELEVATORS, EQUIPMENT ROOMS EXPOSED TO VIEW FROM HALLWAYS) TYPICAL UNLESS OTHERWISE NOTED
7. CMU AT INTERIOR OF STAIRWELL TO BE UNPAINTED. SEE ALTERNATE BID REQUIREMENTS THIS SHEET
8. METAL STAIR COMPONENTS TO BE COLOR GREY. SEE ALTERNATE BID REQUIREMENTS THIS SHEET
9. ALL EXPOSED GWB IN HALLWAYS, ELEVATOR LOBBIES TO BE PAINTED PT-6
10. PREFINISHED STORAGE AND HALLWAY COMPONENTS BY JANUS HALLWAY SYSTEMS. COLOR TO BE GLOSSY WHITE
11. OVERHEAD COILING METAL DOORS BY JANUS HALLWAY SYSTEMS (OR EQUAL). COLOR TO BE GLOSSY WHITE
12. 2" X 2" SECURITY WIRE MESH AND ALL ASSOCIATED TRIM/ACCESSORIES OVER STORAGE UNIT BY JANUS HALLWAY SYSTEMS (OR EQUAL) AT 8'-0" A.F.F
13. CURE AND SEAL ENTIRE CONCRETE SLAB THEN APPLY (2) COATS **"FINISH JOB 35"** BY JANILINK AT LOBBIES, AND HALLWAY'S ONLY (PUBLIC AREAS, EXCLUDING STORAGE UNITS)
14. ~~PROVIDE VCB-1 AT ALL GWB WALLS AT STORAGE AREA~~
15. FAUX METAL COILING DOOR, HEADER AND PILASTER BY JANUS HALLWAY SYSTEMS (OR EQUAL)
16. ~~METAL PANEL WRAP AT ALL EXPOSED STEEL COLUMNS AND STEEL BRACING AT STORAGE AREAS AND HALLWAYS BY JANUS HALLWAY SYSTEMS (OR EQUAL). WRAP TO BE INSTALLED AFTER APPLICATION OF SPRAY FIREPROOFING WHERE APPLICABLE~~
17. ~~ACCENT WALL PANEL TO BE PROVIDED BY G.C. THROUGH "MAPLE LEAF CABINETS" AND INSTALLED BY G.C.~~
18. ~~PROVIDE TRANSITION STRIP BETWEEN FLOOR FINISH CHANGES~~
19. ~~PROVIDE WHITE METAL MAT TRACK BURGLAR BAR IN HALLWAYS AND ABOVE PARTITION WALLS BETWEEN STORAGE UNITS. SPACE 8" O.C. UP TO 36" ABOVE CORRIDOR WALLS AND PARTITION WALLS~~
20. PROVIDE 24" X 24" CEILING ACCESS PANEL WITH LOCK. CONSTRUCTION AND FINISH TO MATCH ADJACENT CEILING. COORDINATE FINAL LOCATION
21. SKIM COAT AND PAINT CMU WALLS AT ELEVATOR HOIST WAY AND MACHINE ROOM ON LANDINGS WHERE EXPOSED TO HALLWAYS
22. CMU AT INTERIOR OF STORAGE UNITS TO REMAIN UNPAINTED EXCEPT AT STAIR TOWERS, ELEVATOR HOIST WAYS AND MACHINE ROOMS
23. EPOXY PAINT REQUIRED
24. PROVIDE 1/2" FIRE RESISTANT TREATED PLYWOOD AT METAL STUD FRAMED WALLS
25. ~~PAINT ALL STRUCTURE AND EQUIPMENT IN OFFICE ABOVE 10'-0" A.F.F. PT-7, TYP.~~
26. CONTRACTOR TO PROVIDE AND INSTALL DIAMOND PLATE FROM FINISHED FLOOR TO 4'-0" A.F.F. OVER CMU AT ELEVATOR LOBBIES AND ENTRANCE LOBBY
27. CONTRACTOR TO PROVIDE BLOCKING FOR MOUNTING OF ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND SPECS
28. DOOR AND TRIM TO BE PT-9
29. TRIM TO BE PT-10

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GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision descriptions

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

OFFICE FINISH PLAN AND FINISH SCHEDULE

A2.1

2/24/2026 11:18 AM

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Fire Protection Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026 - Fire Protection Provider

CART STORAGE DETAILS

WHERE DESIGNATED ON THE FLOOR PLAN(S), THE HALLWAY SYSTEM PROVIDER SHALL PROVIDE AND INSTALL PLATFORMS AT ELEVATED UNITS TO ACCOMODATE A PLACE FOR CART STORAGE.

AT THESE DESIGNATED UNITS, HALLWAY SYSTEM PROVIDER SHALL SUPPLY SHORTER OH DOORS TO ACCOUNT FOR HEIGHT OF PLATFORM.

REFER TO IMAGE BELOW FOR DESIGN INTENT.

GENERAL NOTES

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID

HALLWAY SYSTEM REQUIREMENTS:

BASE BID SHALL INCLUDE THE FOLLOWING:

1) AS DEPICTED ON TYPICAL HALLWAY SYSTEM INTERIOR ELEVATIONS AND DETAILS, THE BASE BID SHALL INCLUDE HALLWAY SYSTEM PARTITIONS TO 8'-0" A.F.F. AND OVERHEAD COILING DOORS TO 6'-8" HIGH
2) A PROTECTIVE METAL WRAP SHALL BE INSTALLED BY THE HALLWAY SYSTEM PROVIDER AT ALL REFRIGERATION AND CONDENSATE PIPING. THE PROTECTIVE METAL WRAP SHALL EXTEND FROM FINISHED FLOOR TO THE TOP OF THE HALLWAY SYSTEM PARTITION
3) STORAGE DOOR LATCHES ALL CYLINDER-ONLY LOCKING (NO PADLOCK HOLES, CYLINDER ONLY) (JANUS JBI CTS NHYZ OR NHSS)

H.C. ACCESSIBLE STORAGE NOTES

H.C. ACCESSIBLE STORAGE UNITS:
REFER TO FLOOR PLAN FOR LOCATION. PROVIDE MANUFACTURER'S ADA KIT INCLUDING PULLS, SIGNS AND RAMPS WHERE REQUIRED

FBC ACCESSIBILITY CHAPTER 2 - SCOPING REQUIREMENTS
- FBC TABLE 225.3 SELF-SERVICE STORAGE FACILITIES

TOTAL SPACES IN FACILITY	MINIMUM NUMBER OF SPACES REQUIRED TO BE ACCESSIBLE
1 TO 200	5 PERCENT, BUT NO FEWER THAN 1
201 AND OVER	10, PLUS 2 PERCENT OF TOTAL NUMBER OF UNITS OVER 200

TOTAL NUMBER OF STORAGE UNITS: 645
STORAGE UNITS 1-200 = 200 X .05 = 10
STORAGE UNITS 201 AND OVER = (645-200) X .02 = 9

TOTAL NUMBER OF ACCESSIBLE STORAGE UNITS REQUIRED: 19
TOTAL NUMBER OF ACCESSIBLE STORAGE UNITS PROVIDED: 19

BREAKDOWN OF AVAILABLE UNITS:
(TOTAL # INCLUDE REGULAR AND HC ACCESSIBLE)

SIZE AND LOCATION/TYPE OF AVAILABLE UNITS		TOTAL # OF UNITS	# OF HC ACCESSIBLE UNITS
5 x 5	INTERIOR/CLIMATE CONTROLLED	81	2
5 x 7	INTERIOR/CLIMATE CONTROLLED	6	0
5 x 10	INTERIOR/CLIMATE CONTROLLED	49	0
10 x 5	INTERIOR/CLIMATE CONTROLLED	65	3
5 x 15	INTERIOR/CLIMATE CONTROLLED	11	0
10 x 7.5	INTERIOR/CLIMATE CONTROLLED	18	1
10 x 8	INTERIOR/CLIMATE CONTROLLED	1	0
7 x 12	INTERIOR/CLIMATE CONTROLLED	2	0
10 x 9	INTERIOR/CLIMATE CONTROLLED	5	0
10 x 10	INTERIOR/CLIMATE CONTROLLED	184	6
10 x 12.5	INTERIOR/CLIMATE CONTROLLED	2	0
10 x 14	INTERIOR/CLIMATE CONTROLLED	1	0
10 x 15	INTERIOR/CLIMATE CONTROLLED	99	3
10 x 20	INTERIOR/CLIMATE CONTROLLED	57	2
10 x 25	INTERIOR/CLIMATE CONTROLLED	20	1
10 x 30	INTERIOR/CLIMATE CONTROLLED	34	1
	TOTAL	645	19

MILLWORK NOTES

BREAK ROOM MILLWORK NOTES:

1. DIMENSIONS FOR INTERIOR ELEVATIONS AND MILLWORK ARE PROVIDED FROM FINISHED FACE OF WALL. FIELD VERIFY ALL DIMENSIONS

2. THE GENERAL CONTRACTOR SHALL COORDINATE THE DESIGN FOR ALL MILLWORK WITH OWNER PRIOR TO FABRICATION

3. THE BREAKROOM MILLWORK CABINETS SHALL HAVE THE FOLLOWING FINISHES. ALL MILLWORK AND LAMINATE COLORS SHALL BE APPROVED BY THE OWNER PRIOR TO FABRICATION.
   MILLWORK: FORMICA, 909-58 "BLACK" (MATTE) LAMINATE
   COUNTERTOP: WILSONART, 1864 "SALENTINA NERO" (HIGH DEFINITION) LAMINATE
   DOOR/DRAWER PULLS: LIBERTY, 4" WIRE, "FLAT BLACK" (P6040C-FB-C)

MILLWORK NOTES AND BID REQUIREMENTS:

BASE BID SHALL INCLUDE THE FOLLOWING:

1) THE FOLLOWING ITEMS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR THRU A LOCAL MILLWORK VENDOR.
   A) SALES DESK
   B) SALES CABINET
   C) SLATWALL WITH BASE DECK
   D) BEVERAGE STATION

2) THE GENERAL CONTRACTOR SHALL INCLUDE COSTS FROM THE MILLWORK VENDOR TO RECEIVE AND STORE THE ABOVE COMPONENTS AND, ADDITIONALLY, ALL THE LABOR NECESSARY FOR A COMPLETE INSTALLATION (PROVIDE LINE ITEM COST).

3) THE GENERAL CONTRACTOR SHALL ALSO PROVIDE COSTS FROM A LOCAL MILLWORK VENDOR FOR THE COMPLETE FABRICATION AND INSTALLATION OF THE BREAK ROOM MILLWORK

OFFICE MILLWORK NOTES:

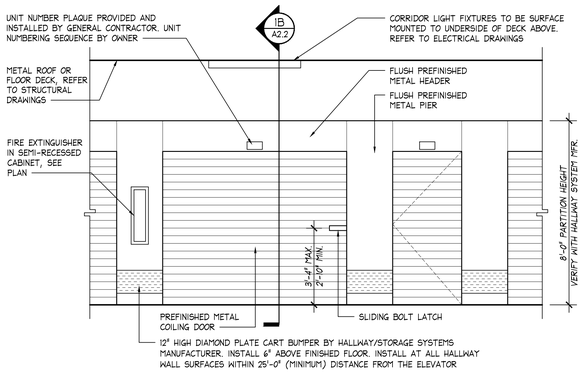
1. DIMENSIONS FOR MILLWORK ARE PROVIDED FROM FINISHED FACE OF WALL. FIELD VERIFY ALL DIMENSIONS

2. THE GENERAL CONTRACTOR SHALL COORDINATE THE DESIGN FOR ALL MILLWORK WITH OWNER PRIOR TO FABRICATION

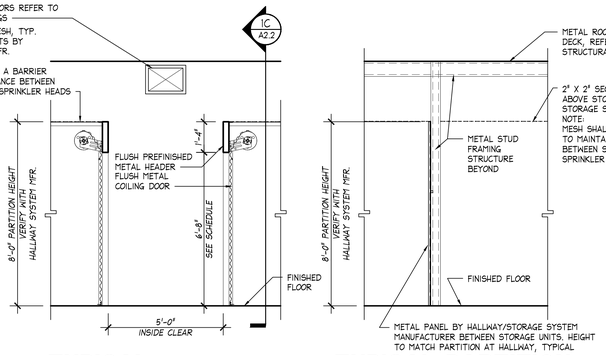
3. THE SALES DESK AND SALES CABINET MILLWORK SHALL HAVE THE FOLLOWING FINISHES. ALL MILLWORK AND COLORS SHALL BE APPROVED BY THE OWNER PRIOR TO FABRICATION.
   MILLWORK: FORMICA, 7917-58 "DOVER WHITE" (MATTE) LAMINATE
   WOOD: PAINT GRADE 1 X 6 V-GROOVE TONGUE AND GROOVE WOOD BOARDS INSTALLED VERTICALLY AND PAINTED PT-5 PER FINISH SCHEDULE ON SHEET A2.1
   COUNTERTOP: WI-MACS G518R "RIPE COTTON" SOLID SURFACE
   DOOR/DRAWER PULLS: LIBERTY, 4" WIRE, "POLISHED CHROME" (P6040C-PC-C1)

4. THE BEVERAGE STATION MILLWORK SHALL HAVE THE FOLLOWING FINISHES. ALL MILLWORK AND COLORS SHALL BE APPROVED BY THE OWNER PRIOR TO FABRICATION.
   MILLWORK: PAINTED PT-5 PER INTERIOR FINISH SCHEDULE ON SHEET A2.1
   COUNTERTOP: WI-MACS G518R "RIPE COTTON" SOLID SURFACE
   DOOR/DRAWER PULLS: LIBERTY, 4" WIRE, "POLISHED CHROME" (P6040C-PC-C1)

5. THE SLATWALL MILLWORK SHALL HAVE THE FOLLOWING FINISHES. ALL MILLWORK AND COLORS SHALL BE APPROVED BY THE OWNER PRIOR TO FABRICATION.
   MILLWORK: WILSONART, 4830K-18 "SATIN STAINLESS" (LINEARITY) LAMINATE
   SLATWALL FACE AND BASE GRAINING TO BE PARALLEL WITH SLATS. PROVIDE BLACK INSERTS IN SLATWALL



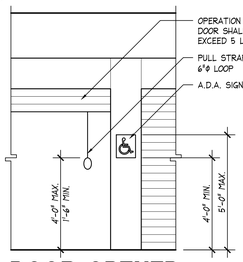
1A **TYPICAL HALLWAY ELEVATION**



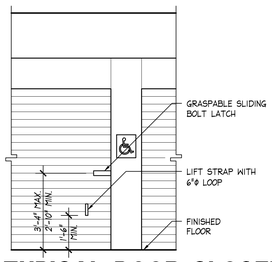
1B **TYPICAL HALLWAY SECTION**

1C **TYPICAL PARTITION BETWEEN STORAGE UNITS**

1 **TYPICAL STORAGE AREA INTERIOR ELEVATIONS**
SCALE: 3/8" = 1'-0"



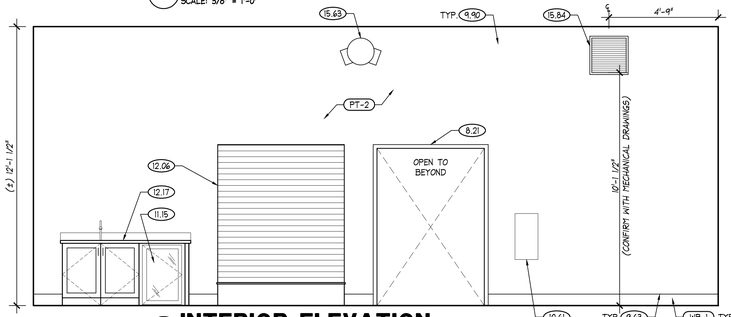
2A **DOOR OPENED**



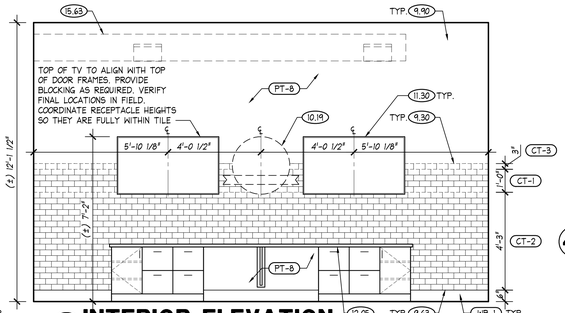
2B **TYPICAL DOOR CLOSED**

2 **TYPICAL H.C. ACCESSIBLE UNIT ELEVATIONS**
SCALE: 3/8" = 1'-0"

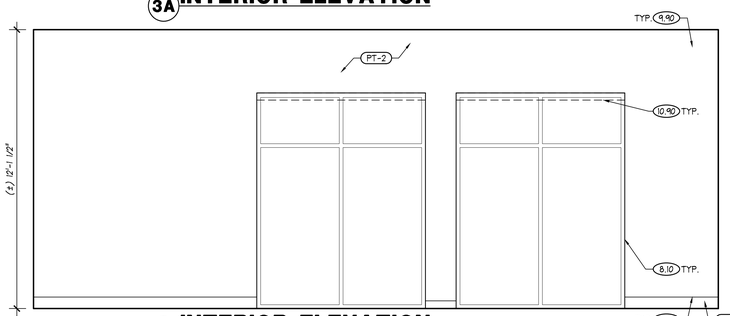
NOTE:
REFER TO INTERIOR FINISH SCHEDULE ON SHEET A2.1 FOR FULL OFFICE FINISHES



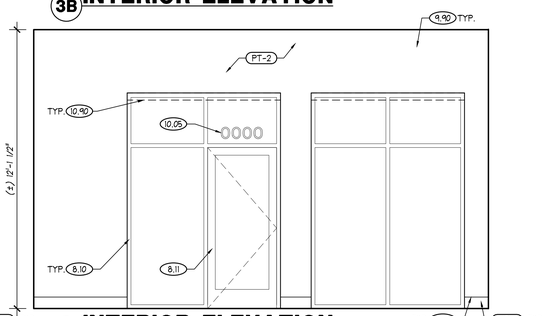
3A **INTERIOR ELEVATION**



3B **INTERIOR ELEVATION**



3C **INTERIOR ELEVATION**



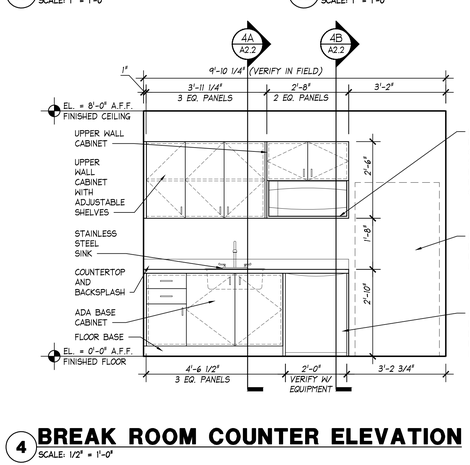
3D **INTERIOR ELEVATION**

3 **OFFICE INTERIOR ELEVATIONS**
SCALE: 3/8" = 1'-0"

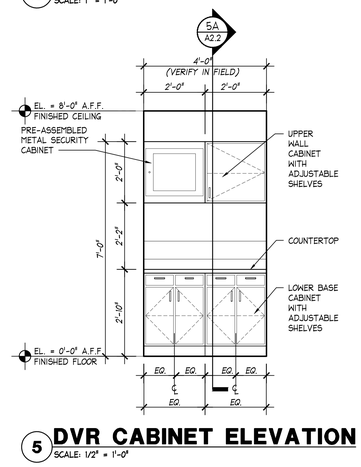
4A **MILLWORK SECTION**
SCALE: 1" = 1'-0"

4B **MILLWORK SECTION**
SCALE: 1" = 1'-0"

5A **MILLWORK SECTION**
SCALE: 1" = 1'-0"



4 **BREAK ROOM COUNTER ELEVATION**
SCALE: 1/2" = 1'-0"



5 **DVR CABINET ELEVATION**
SCALE: 1/2" = 1'-0"

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GUY F. FABER
FL License No. AR0015323
seal

rev.	date	revision descriptions

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

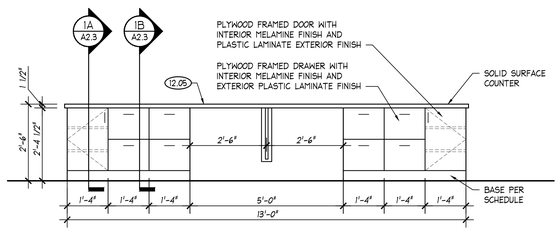
STORAGE SYSTEM DET., MILLWORK DETAILS AND INTERIOR ELEV.

A2.2

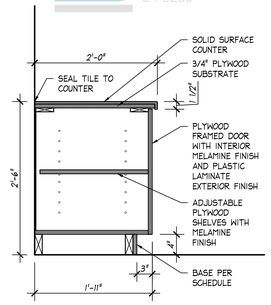
2/28/2026 6:02 PM

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
24-8289 3/31/2026

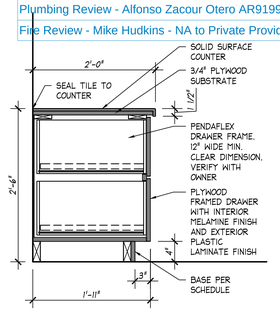
Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Fire Review - Mike Hudkins - NA to Private Provider - 3/30/2026



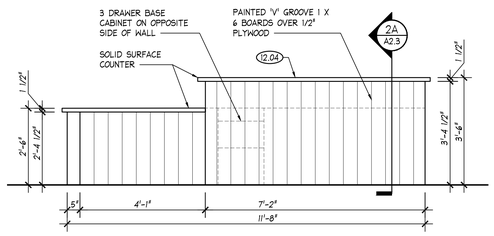
1 SALES CABINET ELEVATION
SCALE: 1/2" = 1'-0"



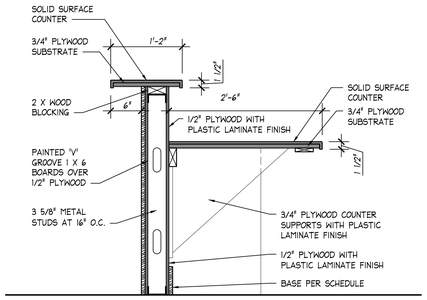
1A MILLWORK SECTION
SCALE: 1" = 1'-0"



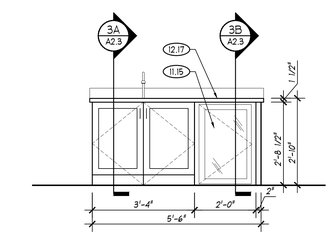
1B MILLWORK SECTION
SCALE: 1" = 1'-0"



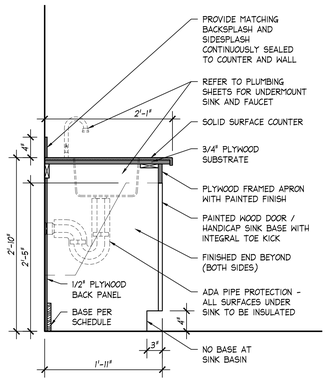
2 SALES DESK ELEVATION
SCALE: 1/2" = 1'-0"



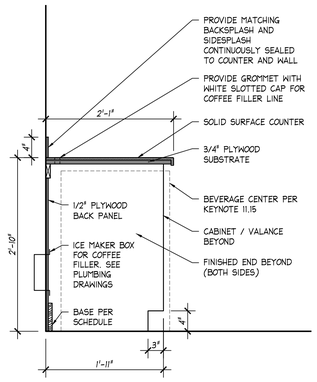
2A MILLWORK SECTION
SCALE: 1" = 1'-0"



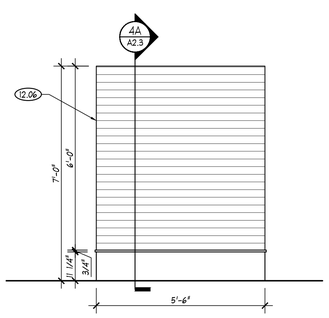
3 BEVERAGE STATION ELEVATION
SCALE: 1/2" = 1'-0"



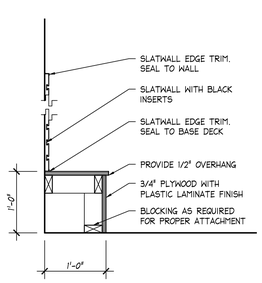
3A MILLWORK SECTION
SCALE: 1" = 1'-0"



3B MILLWORK SECTION
SCALE: 1" = 1'-0"



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



4A MILLWORK SECTION
SCALE: 1" = 1'-0"

MILLWORK NOTES

BREAK ROOM MILLWORK NOTES:

1. DIMENSIONS FOR INTERIOR ELEVATIONS AND MILLWORK ARE PROVIDED FROM FINISHED FACE OF WALL. FIELD VERIFY ALL DIMENSIONS

2. THE GENERAL CONTRACTOR SHALL COORDINATE THE DESIGN FOR ALL MILLWORK WITH OWNER PRIOR TO FABRICATION

3. THE BREAKROOM MILLWORK CABINETS SHALL HAVE THE FOLLOWING FINISHES. ALL MILLWORK AND LAMINATE COLORS SHALL BE APPROVED BY THE OWNER PRIOR TO FABRICATION.
   MILLWORK: FORMICA, 909-58 "BLACK" (MATTE) LAMINATE
   COUNTERTOP: WILSONART, 1864 "SALENTINA NERO" (HIGH DEFINITION) LAMINATE
   DOOR/DRAWER PULLS: LIBERTY, 4" WIRE, "FLAT BLACK" (P6040C-FB-C)

MILLWORK NOTES AND BID REQUIREMENTS:

BASE BID SHALL INCLUDE THE FOLLOWING:

1) THE FOLLOWING ITEMS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR THRU A LOCAL MILLWORK VENDOR.
   A) SALES DESK
   B) SALES CABINET
   C) SLATWALL WITH BASE DECK
   D) BEVERAGE STATION

2) THE GENERAL CONTRACTOR SHALL INCLUDE COSTS FROM THE MILLWORK VENDOR TO RECEIVE AND STORE THE ABOVE COMPONENTS AND, ADDITIONALLY, ALL THE LABOR NECESSARY FOR A COMPLETE INSTALLATION (PROVIDE LINE ITEM COST).

3) THE GENERAL CONTRACTOR SHALL ALSO PROVIDE COSTS FROM A LOCAL MILLWORK VENDOR FOR THE COMPLETE FABRICATION AND INSTALLATION OF THE BREAK ROOM MILLWORK

OFFICE MILLWORK NOTES:

1. DIMENSIONS FOR MILLWORK ARE PROVIDED FROM FINISHED FACE OF WALL. FIELD VERIFY ALL DIMENSIONS

2. THE GENERAL CONTRACTOR SHALL COORDINATE THE DESIGN FOR ALL MILLWORK WITH OWNER PRIOR TO FABRICATION

3. THE SALES DESK AND SALES CABINET MILLWORK SHALL HAVE THE FOLLOWING FINISHES. ALL MILLWORK AND COLORS SHALL BE APPROVED BY THE OWNER PRIOR TO FABRICATION.
   MILLWORK: FORMICA, 7917-58 "DOVER WHITE" (MATTE) LAMINATE
   WOOD: PAINT GRADE 1 X 6 V-GROOVE TONGUE AND GROOVE WOOD BOARDS INSTALLED VERTICALLY AND PAINTED PT-5 PER FINISH SCHEDULE ON SHEET A2.1
   COUNTERTOP: WI-MACS G518R "RIPE COTTON" SOLID SURFACE
   DOOR/DRAWER PULLS: LIBERTY, 4" WIRE, "POLISHED CHROME" (P6040C-PC-C1)

4. THE BEVERAGE STATION MILLWORK SHALL HAVE THE FOLLOWING FINISHES. ALL MILLWORK AND COLORS SHALL BE APPROVED BY THE OWNER PRIOR TO FABRICATION.
   MILLWORK: PAINTED PT-5 PER INTERIOR FINISH SCHEDULE ON SHEET A2.1
   COUNTERTOP: WI-MACS G518R "RIPE COTTON" SOLID SURFACE
   DOOR/DRAWER PULLS: LIBERTY, 4" WIRE, "POLISHED CHROME" (P6040C-PC-C1)

5. THE SLATWALL MILLWORK SHALL HAVE THE FOLLOWING FINISHES. ALL MILLWORK AND COLORS SHALL BE APPROVED BY THE OWNER PRIOR TO FABRICATION.
   MILLWORK: WILSONART, 4830K-18 "SATIN STAINLESS" (LINEARITY) LAMINATE
   SLATWALL FACE AND BASE GRAINING TO BE PARALLEL WITH SLATS. PROVIDE BLACK INSERTS IN SLATWALL

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Holiday, Florida 34690
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FABER@FWHARCHITECTS.COM

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GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision descriptions

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

MILLWORK DETAILS

A2.3

2/28/2026 6:04 PM

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
24-8289

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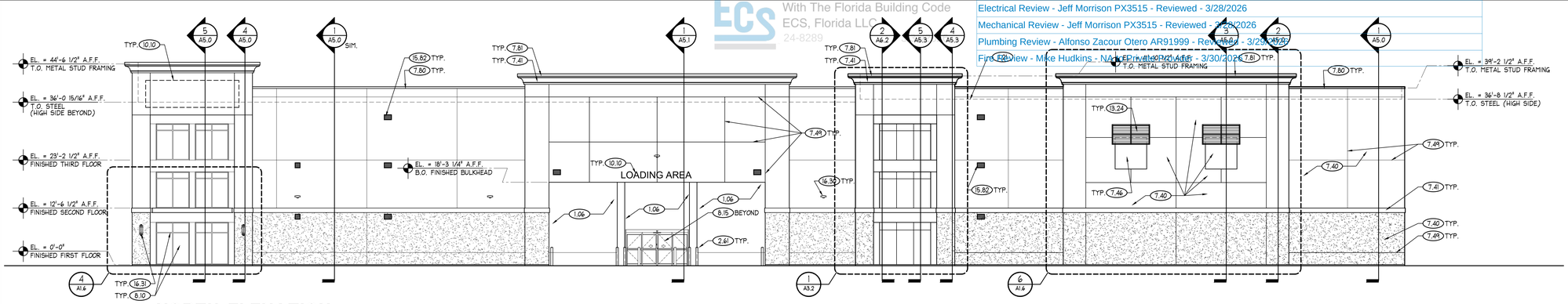
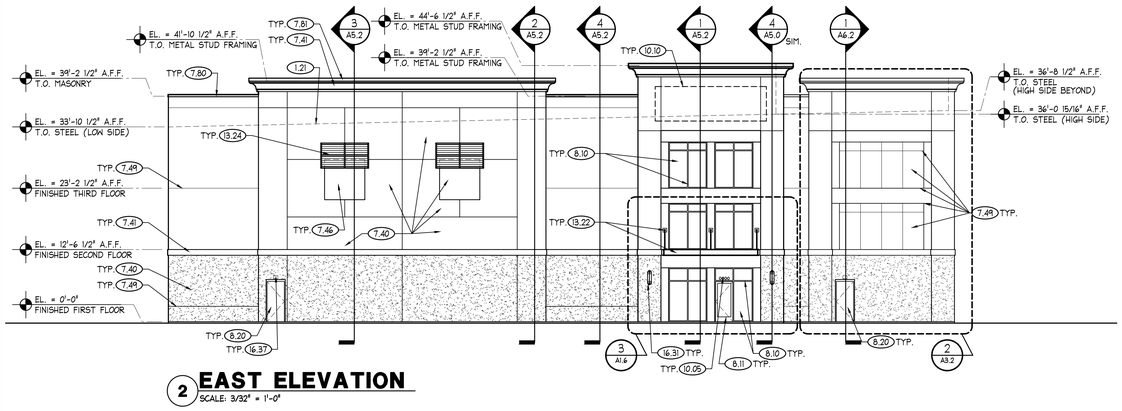


1 NORTH ELEVATION
SCALE: 3/32" = 1'-0"



2 EAST ELEVATION
SCALE: 3/32" = 1'-0"

GENERAL NOTES

SIGNAGE NOTES:

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ADDRESS NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND. NUMERALS SHALL BE AT LEAST 6 INCHES IN HEIGHT

WHERE ADDRESS IDENTIFICATION IS REQUIRED BY THE FIRE OFFICIAL ON OTHER ELEVATIONS OF BUILDINGS, SUCH NUMERALS SHALL NOT BE LESS THAN SIX INCHES IN HEIGHT

ADDRESS NUMBERS SHALL BE ARABIC NUMERALS OR ALPHABET LETTERS

CRITICAL NOTES

WALL COUNTERFLASHING DETAILS:
REFER TO WALL SECTIONS AND ENLARGED DETAILS FOR THE SPECIFIED COUNTERFLASHING REQUIRED ABOVE CANOPIES, AWNINGS, PLASTER CAPS AND, WHERE APPLICABLE, TRIM MOULDING. IN SUCH CASES, THE DESIGN INTENT IS TO LIMIT THE VISIBILITY OF COUNTERFLASHINGS BY INCORPORATING LOW PROFILE OR CONCEALED FLASHINGS

THE SHELL GENERAL CONTRACTOR SHALL FULLY REVIEW AND COORDINATE ALL WALL COUNTERFLASHING REQUIREMENTS WITH THE ROOFER AND APPLICABLE TRADES PRIOR TO INSTALLATION. SHOULD CLARIFICATION OF ANY DETAIL BE NEEDED, THE SHELL GENERAL CONTRACTOR SHALL SUBMIT AN RFI TO THE ARCHITECT PRIOR TO INSTALLATION

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EXTERIOR FINISH NOTES

EXTERIOR INSULATION FINISH SYSTEM (EIFS) REQUIREMENTS:

1. THE STANDARD FINISH COAT SHALL BE AN ACRYLIC EIFS FINISH COAT, "DRYVIT OUTSULATION PLUS MD" AS MANUFACTURED BY DRYVIT SYSTEMS, INC. COLORS, AS SPECIFIED ON THE EXTERIOR FINISH SCHEDULE, HAVE BEEN SELECTED FROM DRYVIT'S STANDARD COLORS. THIS SYSTEM CONSISTS OF A TINTED PRIMER AND TEXTURED ACRYLIC FINISH WITH INTEGRAL COLOR. THE SPECIFIED SYSTEM HAS A 10-YEAR MANUFACTURER WARRANTY

2. FINISH COAT TEXTURES IDENTIFIED BY THIS HATCH SHALL BE HEAVIER "SANDPEBBLE" UNLESS OTHERWISE NOTED (FIRST FLOOR LEVEL ONLY)

3. ALL OTHER FINISH COAT TEXTURES SHALL BE "SANDPEBBLE FINE" UNLESS OTHERWISE NOTED

4. WHERE FOAM TRIM, CORNICE MOLDING OR OTHER SHAPES ARE SPECIFIED, COMPONENTS SHALL BE AS MANUFACTURED BY "DRYVIT SHAPES BY ACROCORE" AND SHALL BE COMPRISED OF A TYPE I CLASSIFICATION EXPANDED POLYSTYRENE WRAPPED IN A FLEXIBLE IMPACT RESISTANT FIBERGLASS MESH AND COATED WITH A FACTORY APPLIED POLYMER MODIFIED, FLEXIBLE CEMENT COATING

5. ALL GENERAL CONTRACTOR BIDS SHALL INCLUDE THE ABOVE STATED SYSTEMS / PRODUCTS IN THEIR BASE BIDS. SUBSTITUTIONS WILL BE CONSIDERED FOR APPROVAL BUT ONLY IF FULLY QUALIFIED IN BIDS INCLUDING COMPLETE SYSTEM / PRODUCT SPECIFICATIONS AND ASSOCIATED COSTS

ALUMINUM COPING, DRIP EDGES, SCUPPERS AND DOWNSPOUT REQUIREMENTS:

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EXTERIOR FINISH SCHEDULE

CEMENT PLASTER / EIFS FINISHES
(ACRYLIC EIFS FINISH WITH INTEGRAL COLOR AND TEXTURE)

TAG	MANUFACTURER	COLOR	DESCRIPTION
EF-1	DRYVIT	#103 "NATURAL WHITE"	
EF-2	DRYVIT	#613 "OVERCAST"	
EF-3	DRYVIT	#614 "SMOKE SIGNAL"	
EF-4	DRYVIT	#615 "TATTLETALE"	
PAINT FINISHES			
PT-1	SHERWIN WILLIAMS	SW #9170, "ACIER"	
METAL TRIM, COPING, DOWNSPOUTS, CANOPIES, BAHAMA SHUTTERS			
MTL-1	PAC-CLAD	"CHARCOAL"	KYNAR 500
ALUMINUM STOREFRONT			
SF-1	YKK	"CLEAR ANODIZED"	

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100% PERMIT SET
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25035
comm. no.

EXTERIOR
ELEVATIONS

A3.0

2/26/2026 1:18 AM

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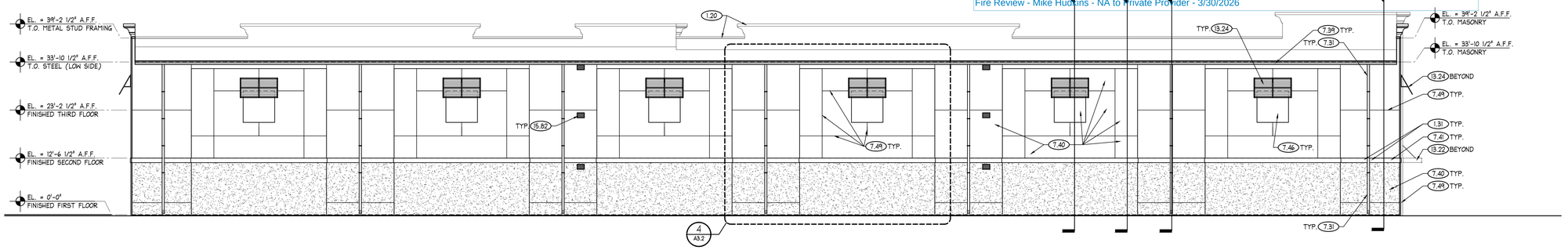
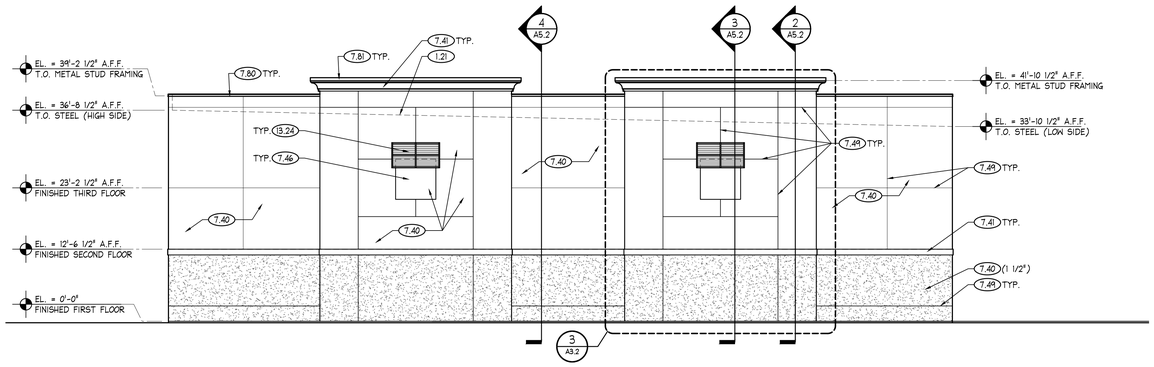


1 SOUTH ELEVATION
SCALE: 3/32" = 1'-0"



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EF-4	DRYVIT	#615 "TATTLETALE"	
PAINT FINISHES			
PT-1	SHERWIN WILLIAMS	SW #9170, "ACIER"	
METAL TRIM, COPING, DOWNSPOUTS, CANOPIES, BAHAMA SHUTTERS			
MTL-1	PAC-CLAD	"CHARCOAL"	KYNAR 500
ALUMINUM STOREFRONT			
SF-1	YKK	"CLEAR ANODIZED"	

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A3.1

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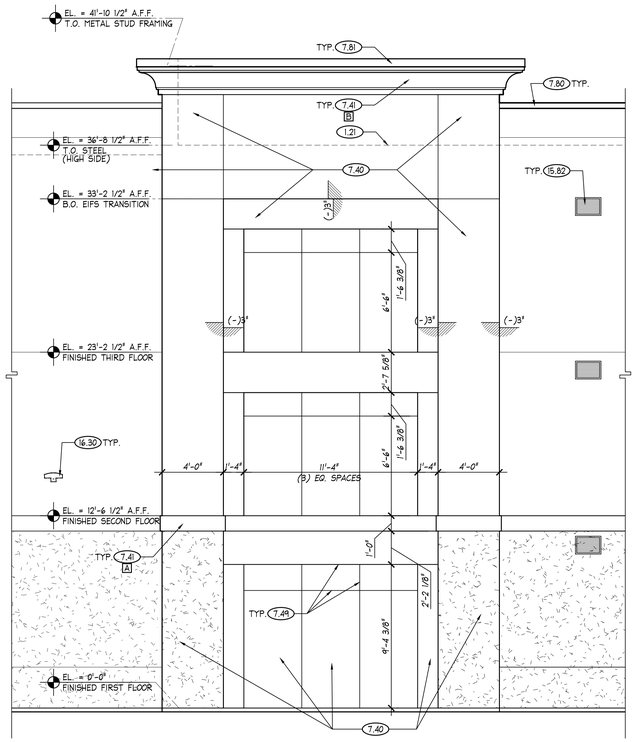
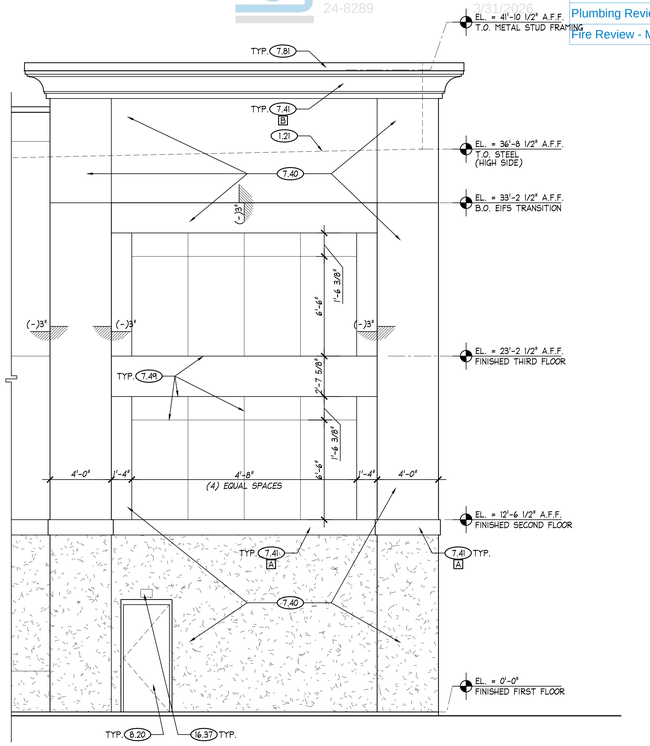


1 ENLARGED NORTH ELEVATION
SCALE: 1/4" = 1'-0"



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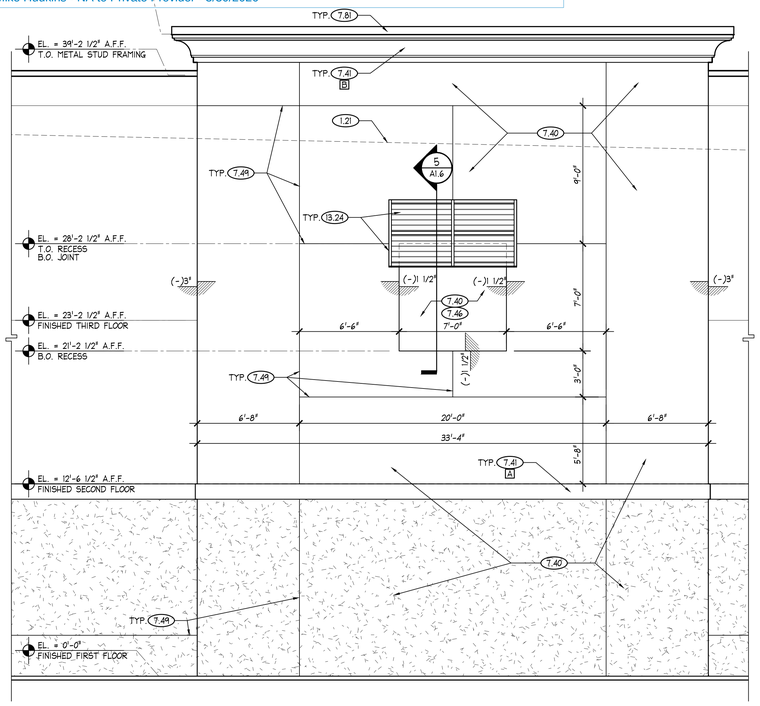

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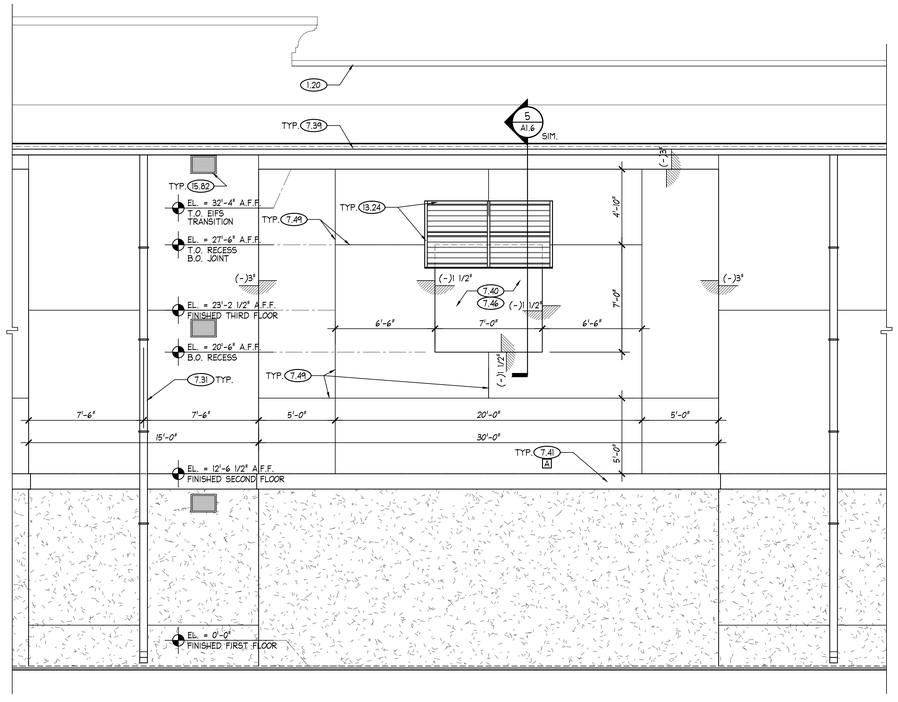

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THE CONTRACTOR SHALL REQUEST A COLORIZED COPY OF THE ELEVATIONS FROM THE ARCHITECT PRIOR TO ORDERING OR APPLYING EIFS, PAINT AND OTHER EXTERIOR FINISHES. THE COLORIZED ELEVATIONS WILL HELP CONFIRM COLORS AND ASSIST THE PAINTER WHERE COLOR CHANGES OCCUR

EXTERIOR FINISH SCHEDULE

CEMENT PLASTER / EIFS FINISHES
(ACRYLIC EIFS FINISH WITH INTEGRAL COLOR AND TEXTURE)

TAG	MANUFACTURER	COLOR	DESCRIPTION
EF-1	DRYVIT	#103 "NATURAL WHITE"	
EF-2	DRYVIT	#613 "OVERCAST"	
EF-3	DRYVIT	#614 "SMOKE SIGNAL"	
EF-4	DRYVIT	#615 "TATTLETALE"	
PAINT FINISHES			
PT-1	SHERWIN WILLIAMS	SW #9170, "ACIER"	
METAL TRIM, COPING, DOWNSPOUTS, CANOPIES, BAHAMA SHUTTERS			
MTL-1	PAC-CLAD	"CHARCOAL"	KYNAR 500
ALUMINUM STOREFRONT			
SF-1	YKK	"CLEAR ANODIZED"	

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TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision descriptions

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

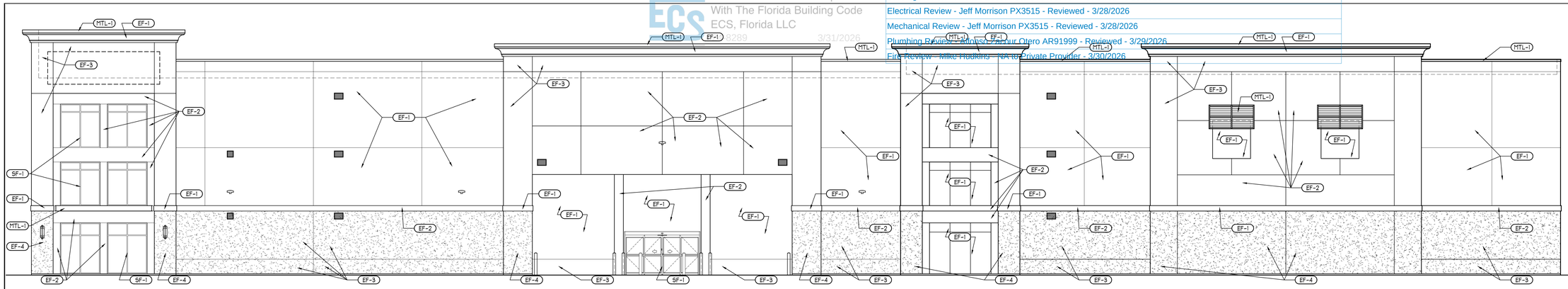
25035
comm. no.

ENLARGED EXTERIOR ELEVATIONS

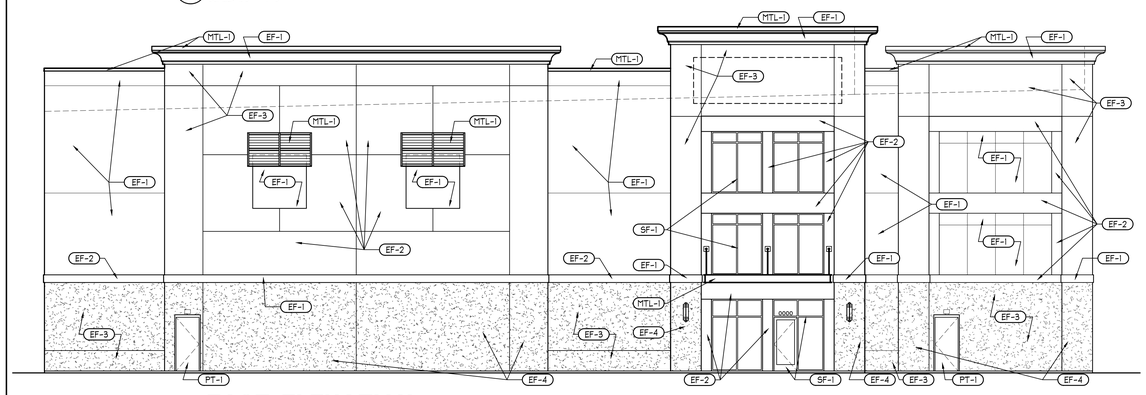
A3.2

2/26/2026 1:18 AM

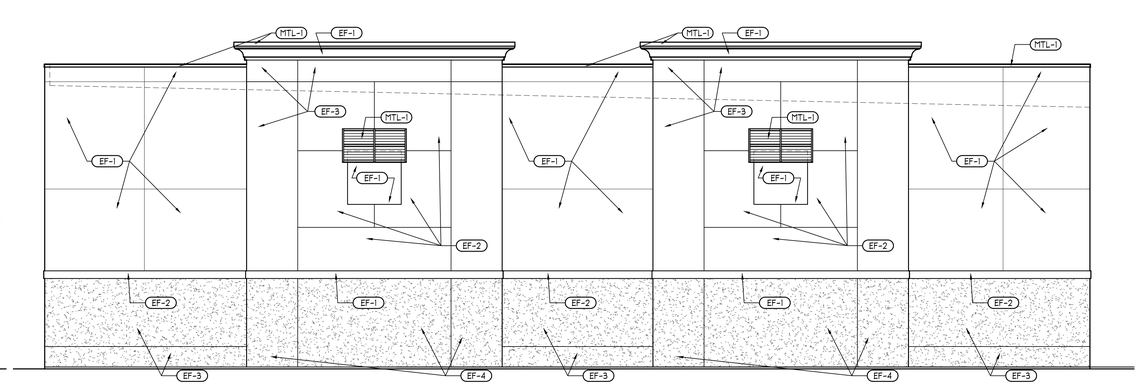
Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
3289 3/31/2026
Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Fire Review - Mike Hudkins - NA for Private Provider - 3/30/2026



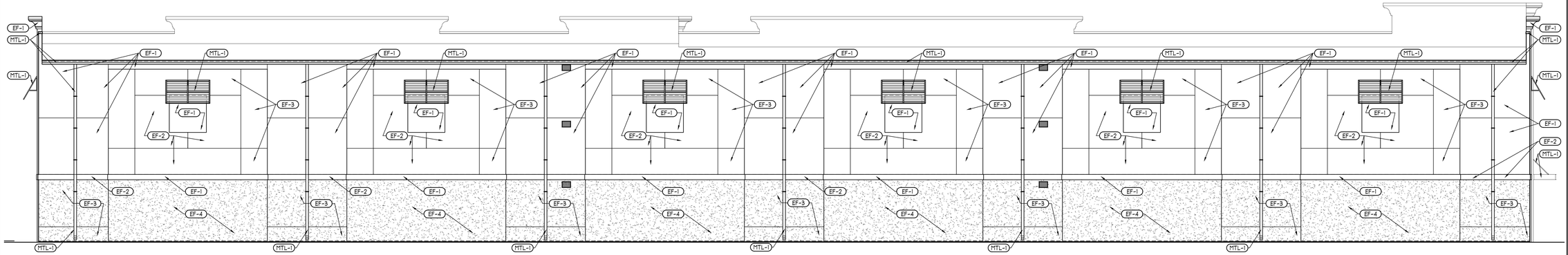
1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



2 EAST ELEVATION
SCALE: 1/8" = 1'-0"



3 WEST ELEVATION
SCALE: 1/8" = 1'-0"



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

EXTERIOR FINISH NOTES

EXTERIOR INSULATION FINISH SYSTEM (EIFS) REQUIREMENTS:

1. THE STANDARD FINISH COAT SHALL BE AN ACRYLIC EIFS FINISH COAT, "DRYVIT OUTSULATION PLUS MD" AS MANUFACTURED BY DRYVIT SYSTEMS, INC. COLORS, AS SPECIFIED ON THE EXTERIOR FINISH SCHEDULE, HAVE BEEN SELECTED FROM DRYVIT'S STANDARD COLORS. THIS SYSTEM CONSISTS OF A TINTED PRIMER AND TEXTURED ACRYLIC FINISH WITH INTEGRAL COLOR. THE SPECIFIED SYSTEM HAS A 10-YEAR MANUFACTURER WARRANTY

2. FINISH COAT TEXTURES IDENTIFIED BY THIS HATCH SHALL BE HEAVIER "SANDPEBBLE" UNLESS OTHERWISE NOTED (FIRST FLOOR LEVEL ONLY)

3. ALL OTHER FINISH COAT TEXTURES SHALL BE "SANDPEBBLE FINE" UNLESS OTHERWISE NOTED

4. WHERE FOAM TRIM, CORNICE MOLDING OR OTHER SHAPES ARE SPECIFIED, COMPONENTS SHALL BE AS MANUFACTURED BY "DRYVIT SHAPES BY ACROCORE" AND SHALL BE COMPRISED OF A TYPE I CLASSIFICATION EXPANDED POLYSTYRENE WRAPPED IN A FLEXIBLE IMPACT RESISTANT FIBERGLASS MESH AND COATED WITH A FACTORY APPLIED POLYMER MODIFIED, FLEXIBLE CEMENT COATING

5. ALL GENERAL CONTRACTOR BIDS SHALL INCLUDE THE ABOVE STATED SYSTEMS / PRODUCTS IN THEIR BASE BIDS. SUBSTITUTIONS WILL BE CONSIDERED FOR APPROVAL BUT ONLY IF FULLY QUALIFIED IN BIDS INCLUDING COMPLETE SYSTEM / PRODUCT SPECIFICATIONS AND ASSOCIATED COSTS

ALUMINUM COPING, DRIP EDGES, SCUPPERS AND DOWNSPOUT REQUIREMENTS:

1. ALL COMPONENTS SHALL BE PREFINISHED WITH A FACTORY APPLIED, KYNAR 500 FINISH OR MANUFACTURER EQUIVALENT. COLORS SHALL BE AS SPECIFIED FROM THE MANUFACTURER'S STANDARD COLOR OPTIONS

GENERAL:

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CEMENT PLASTER / EIFS FINISHES
(ACRYLIC EIFS FINISH WITH INTEGRAL COLOR AND TEXTURE)

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MTL-1	PAC-CLAD	"CHARCOAL"	KYNAR 500
ALUMINUM STOREFRONT			
SF-1	YKK	"CLEAR ANODIZED"	

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REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
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25035
comm. no.

EXTERIOR
ELEVATIONS
WITH FINISHES

A3.3

2/24/2026 1:19 AM

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
3/3/2026
Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
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Fire Review - Mike Hudkins - NA - Private Provider - 3/20/2026

GENERAL STOREFRONT NOTES

1. THE STOREFRONT SYSTEM BASED ON "YKK YHS 50 FI" SYSTEM, 5" X 2 1/2" FRAME (IMPACT RATED), CLEAR ANODIZED. GLAZING SHALL BE 1 5/16" CLEAR, LOW-E INSULATED, U.O.N. SUBMIT MANUFACTURER PRODUCT DATA FOR APPROVAL BY ARCHITECT BEFORE ORDER AND FABRICATION.
2. THE CONTRACTOR SHALL SUBMIT MANUFACTURER DETAILS FOR ANCHORAGE OF ALL STOREFRONT FRAMING TO THE BUILDING DEPARTMENT FOR APPROVAL PRIOR TO INSTALLATION.
3. PROVIDE SILL FLASHING CONTINUOUS ALONG BOTTOM OF ALL SILL MEMBERS. AT TERMINATION OF SILL FLASHING, PROVIDE END CAP OF EQUAL MATERIAL. SET ALL IN BED OF CONTINUOUS SEALANT.

FINISH REQUIREMENTS:
REFER TO THE EXTERIOR FINISH SCHEDULE ON SHEET A3.3 FOR EXTERIOR DOOR AND FRAME FINISHES
REFER TO THE FINISH SCHEDULE ON SHEET A2.1 FOR PAINT FINISHES REQUIRED AT INTERIOR DOORS AND FRAMES

DOOR REMARKS

1. PAINT DOOR AND FRAME WITH SEMI-GLOSS PAINT. REFER TO FINISH SCHEDULE ON SHEET A2.1
2. PROVIDE INSULATED HOLLOW METAL DOOR
3. PREFINISHED OVERHEAD COILING METAL DOOR AND ALL ASSOCIATED HARDWARE AND ACCESSORIES BY STORAGE/HALLWAY SYSTEMS MANUFACTURER
4. PREFINISHED METAL HINGED DOOR AND ALL ASSOCIATED HARDWARE AND ACCESSORIES BY STORAGE/HALLWAY SYSTEMS MANUFACTURER
5. ALUMINUM STOREFRONT COMPONENTS SHALL BE CLEAR ANODIZED, AUTOMATIC SLIDING DOORS SHALL BE CLEAR ANODIZED.
6. AUTOMATIC ALUMINUM/GLASS SLIDING DOOR. SEE SPECIFICATIONS ON SHEET A0.3
7. PROVIDE HM FRAME CASED OPENING WITH NO RABBETS OR STOPS. PAINT FRAME WITH SEMI-GLOSS PAINT
8. ~~PROVIDE 90-MINUTE FIRE RATED DOOR~~
9. GENERAL CONTRACTOR SHALL COORDINATE THROAT DEPTH WITH DOOR SUPPLIER PRIOR TO APPROVAL OF SHOP DRAWINGS AND ORDERING OF FRAMES
10. PROVIDE 60-MINUTE FIRE RATED DOOR. ADDITIONALLY, INTERIOR STAIR DOORS SHALL BE SMOKE LEAKAGE RATED PER REQUIREMENTS OF FFPC SECTION 101.8.2.2.4. SMOKE SEALS AND THRESHOLDS SHALL BE PROVIDED AS REQUIRED FOR COMPLIANCE
11. ~~PROVIDE 3/4" DOOR UNDERCUT. REFER TO MECHANICAL DRAWINGS~~
12. REFER TO ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS AND SPECIFICATIONS ON SHEET A0.3
13. ~~REFER TO NOTES ON THIS SHEET FOR ALTERNATE BID REQUIREMENTS FOR INTERIOR OVERHEAD COILING DOORS~~
14. SEE ALUMINUM STOREFRONT FRAME ELEVATIONS ON THIS SHEET FOR FRAME DIMENSIONS AND, ADDITIONALLY FOR HEAD, JAMB AND SILL DETAIL REFERENCES
15. MINIMUM 10" BOTTOM RAIL
16. ~~PROVIDE INSULATED (R-3 MIN.) OVERHEAD COILING DOORS, AS WELL AS FULL DOOR SEAL KIT~~
17. ~~OVERHEAD DOOR TO BE PROVIDED WITH ELECTRIC OPERATOR BY OVERHEAD DOOR MANUFACTURER. DOOR TO BE MODEL "3100" BY JANUS INTERNATIONAL WITH "OPERA-H" JACKSHAFT OPERATOR.~~

DOOR HARDWARE SCHEDULE

HARDWARE SET NO. 01 - EXTERIOR RATED EXIT ONLY (FROM STAIRS)

(3) (EA)	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
(1) (EA)	FIRE EXIT HARDWARE	98L-F 996L SNB	626	VON
(1) (EA)	SURFACE CLOSER	4040XP CUSH TBNMS	689	LCN
(1) (EA)	CUSH SHOE SUPPORT	4040XP-30	689	LCN
(1) (EA)	KICK PLATE	8400 10" X 1 1/2" LDW B4E	630	IVE
(1) (SET)	SEALS	700SA	CL	NGP
(1) (EA)	DOOR SWEEP	C627A	CL	NGP
(1) (EA)	THRESHOLD	425HD	AL	NGP

HARDWARE SET NO. 02.4 - SLIDING ENTRANCE DOOR

(1) (EA)	ELECTRONIC KEYPAD	BY OPENTECH	628	SCE
	REMAINING HARDWARE	SEE SPECIFICATIONS ON SHEET A0.3		B/O

ACCESS BY KEYPAD. USER PRESENTS PINCODE, BI-PARTING DOOR OPENS FOR ENTRANCE.

HARDWARE SET NO. 03 - INTERIOR UTILITY ROOM DOOR

(3) (EA)	HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
(1) (EA)	STOREROOM LOCK	ND80PD RHO	626	SCH
(1) (EA)	SURFACE CLOSER	4040XP SHCUSH	689	LCN
(1) (EA)	CUSH SHOE SUPPORT	4040XP-30	689	LCN
(3) (EA)	SILENCER	SR64	GRY	IVE

HARDWARE SET NO. 3.1 - INTERIOR HOLLOW METAL EXIT - SINGLE

(3) (EA)	HINGE	T4A2314 X NRP 4 1/2" x 4 1/2"	US32D	MCK
(1) (EA)	FIRE EXIT HARDWARE	98L-F 996L SNB	626	VON
(1) (EA)	DOOR CLOSER	351 CPSH	EN	SAR
(1) (EA)	KICK PLATE	K1050 8" X LAR 4BE CSK	US32D	ROC
(1) (EA)	WEATHER STRIPPING	HSS2000XS88BL X HEAD AND JAMBS		PEMKO
(1) (EA)	SWEEP	315CN TKSP8 X DOOR WIDTH		PEMKO
(1) (EA)	DOOR STOP	441H OR 409 (AS REQUIRED)	US32D	ROC
(3) (EA)	SILENCER	608		ROC

HARDWARE SET NO. 04 - ROLL-UP STORAGE UNIT DOOR

HARDWARE	BY DOOR MFR	B/O
HASP	JANUS - JBI CTS NHYZ OR NHSS	

HARDWARE SET NO. 05 - INTERIOR EXIT ONLY (FROM STAIRS)

(3) (EA)	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
(1) (EA)	FIRE EXIT HARDWARE	98-L-F x E996L-CON (FS) TRIM x 06	626	VON
(1) (EA)	POWER TRANSFER HINGE	5BB1 4.5 x 4.5 4TW-CON	652	IVE
(1) (EA)	POWER SUPPLY	PS-902		VON
(1) (EA)	RIM CYLINDER	20-022	626	SCH
(1) (EA)	SURFACE CLOSER	4040XP CUSH TBNMS	689	LCN
(1) (EA)	CUSH SHOE SUPPORT	4040XP-30	689	LCN
(1) (EA)	KICK PLATE	8400 10" X 1 1/2" LDW B4E	630	IVE

HARDWARE SET NO. 08 - RESTROOM-PRIVACY

(3) (EA)	HINGE	5BB1 4.5 X 4.5	652	IVE
(1) (EA)	PRIVACY LOCK	AL40S SAT	626	SCH
(1) (EA)	OH STOP	450S	630	GLY
(1) (EA)	KICK PLATE	8400 10" X 1 1/2" LDW B4E	630	IVE
(3) (EA)	SILENCER	SR64	GRY	IVE

HARDWARE SET NO. 08.2 - PASSAGE

(3) (EA)	HINGE	5BB1 4.5 X 4.5	652	IVE
(1) (EA)	PASSAGE SET	AL10S SAT	626	SCH
(1) (EA)	WALL STOP	WS407CCV	630	IVE
(1) (EA)	KICK PLATE	8400 10" X 1 1/2" LDW B4E	630	IVE
(3) (EA)	SILENCER	SR64	GRY	IVE

THE HARDWARE SCHEDULE PROVIDED IS INTENDED TO PROVIDE BIDDERS WITH THE REQUIRED HARDWARE FUNCTIONS AND OTHER COMPONENTS NECESSARY FOR EACH DOOR. IN ADDITION, MANUFACTURERS AND MODEL NUMBERS FOR EACH COMPONENT ARE PROVIDED TO ESTABLISH A QUALITY STANDARD. THE FINAL MANUFACTURERS AND MODEL NUMBERS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER AND ARCHITECT

THE SUCCESSFUL DOOR AND HARDWARE SUBCONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS WITH COMPLETE SPECIFICATIONS FOR ALL DOORS AND HARDWARE TO THE ARCHITECT FOR APPROVAL

UPON APPROVAL OF THE SHOP DRAWINGS, THE SPECIFICATIONS FOR ALL HARDWARE FOR EGRESS DOORS SHALL BE ATTACHED TO THE PERMITTED PLANS

HARDWARE SET NO. 09 - EXTERIOR ALUMINUM ENTRANCE

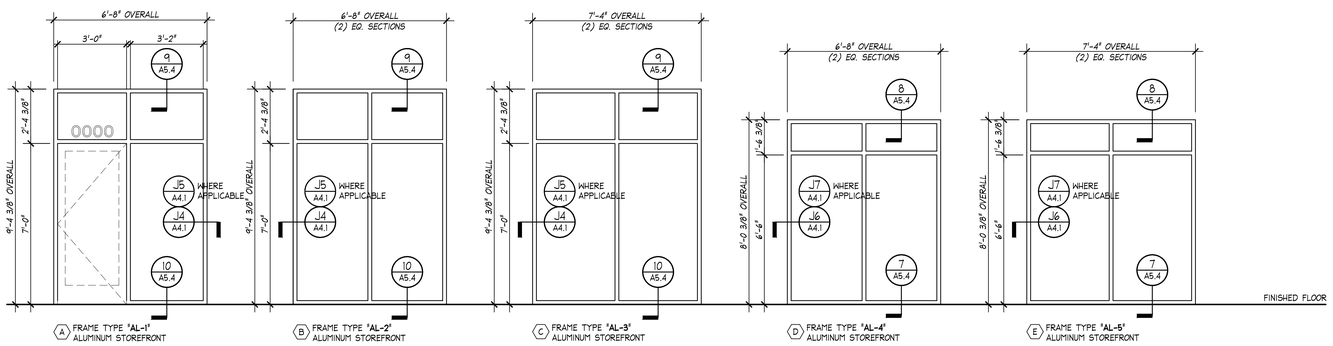
(1) (EA)	CONT. HINGE	112HD	628	IVE
(1) (EA)	DEADBOLT	1581851	626	SCH
(1) (EA)	MORTISE CYLINDER	20-001 114	626	SCH
(1) (EA)	INDICATOR	4089	628	AR
(1) (EA)	THUMBTURN	(MOUNT ON INTERIOR/PUSH SIDE OF DOOR)	628	AR
(1) (SET)	PUSH/PULL BAR	9190-10"- STD	630	IVE
(1) (EA)	SURFACE CLOSER	4011 MC TBNMS	689	LCN
(1) (EA)	MOUNTING PLATE	4010-18	689	LCN
(1) (EA)	PERIMETER SEALS	DOOR MFG STD		B/O
(1) (EA)	DOOR SWEEP	DOOR MFG STD	AL	B/O
(1) (EA)	THRESHOLD	DOOR MFG STD	AL	B/O

HARDWARE SET NO. 10 - INTERIOR OFFICE ENTRANCE

(3) (EA)	HINGE	5BB1 4.5 X 4.5	652	IVE
(1) (EA)	PASSAGE SET	F10 LAT	619	SCH
(1) (EA)	SINGLE CYLINDER DEADBOLT	B560P	626	SCH
(1) (EA)	SURFACE CLOSER	4040XP	689	LCN
(1) (EA)	WALL STOP	WS407CCV	630	IVE
(1) (EA)	DOOR SWEEP	200NA	CL	NGP

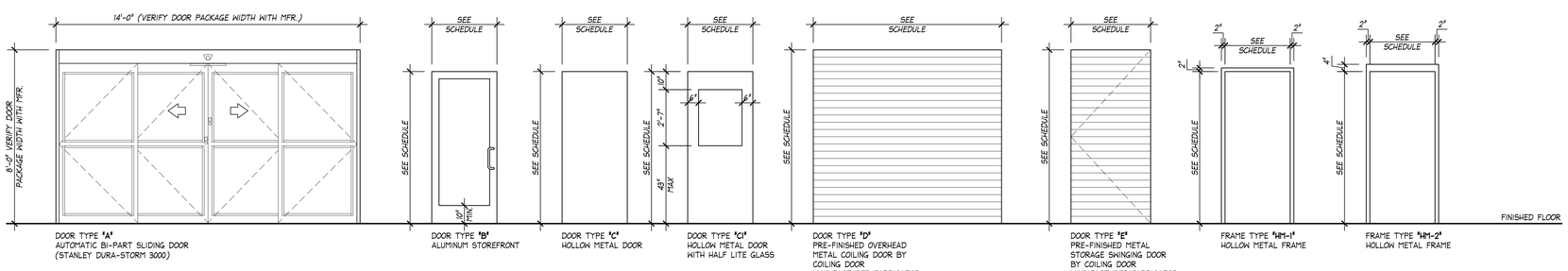
FRAME OPENING SCHEDULE

NO.	LOCK FUNCTION	TYPE	WIDTH	HGT.	THK.	MAT'L	HDW	FRAME TYPE	FRAME MAT'L	DETAIL REFERENCE HEAD	DETAIL REFERENCE JAMB	DETAIL REFERENCE THRES./SILL	FINISH DR.	FINISH FRM.	REMARKS	NO.
FIRST FLOOR																
1.01	ENTRY	B	3'-0"	7'-0"	BY MFR.	ALUM/ GLASS	09	AL-1	ALUM	H3	-	T2	PREFIN	PREFIN	5, 15	1.01
1.02	AUTO-SLIDE	A	PR. 3'-6"	8'-0"	BY MFR.	ALUM/ GLASS	02.4	BY MFR.	ALUM	13/A5.4	-	14/A5.4	PREFIN	PREFIN	5, 6, 12	1.02
1.03	EXIT(STAIRS)	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	01	HM-2	HM	H1	J1	T1	PAINT	PAINT	1, 2, 10	1.03
1.04	EXIT(STAIRS)	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	01	HM-2	HM	H1	J1	T1	PAINT	PAINT	1, 2, 10	1.04
1.05	OFFICE	C	5'-0"	7'-0"	-	-	-	HM-1	HM	H4	J3	-	PAINT	PAINT	1, 7	1.05
1.06	PASSAGE	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	08.2	HM-1	HM	H4	J3	-	PAINT	PAINT	1, 9	1.06
1.07	UTILITY	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	03	HM-1	HM	H4	J3	-	PAINT	PAINT	1, 9	1.07
1.08	OFFICE	C1	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	10	HM-1	HM	H4	J3	-	PAINT	PAINT	1, 9	1.08
1.09	PRIVACY	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	08	HM-1	HM	H4	J3	-	PAINT	PAINT	1, 9	1.09
1.10	UTILITY	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	03.1	HM-1	HM	H4	J3	-	PAINT	PAINT	1, 9, 10	1.10
1.11	PRIVACY	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	08	HM-1	HM	H4	J3	-	PAINT	PAINT	1, 9	1.11
1.12	PRIVACY	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	08	HM-1	HM	H4	J3	-	PAINT	PAINT	1, 9	1.12
1.13	EXIT(STAIRS)	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	05	HM-2	HM	H2	J2	T1	PAINT	PAINT	1, 2, 10	1.13
1.14	UTILITY	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	03	HM-1	HM	H2	J2	-	PAINT	PAINT	1, 9, 10	1.14
1.15	UTILITY	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	03	HM-1	HM	H2	J2	-	PAINT	PAINT	1, 9, 10	1.15
1.16	EXIT(STAIRS)	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	05	HM-2	HM	H2	J2	T1	PAINT	PAINT	1, 2, 10	1.16
SECOND FLOOR																
2.01	EXIT(STAIRS)	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	05	HM-2	HM	H2	J2	-	PAINT	PAINT	1, 2, 10	2.01
2.02	EXIT(STAIRS)	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	05	HM-2	HM	H2	J2	-	PAINT	PAINT	1, 2, 10	2.02
2.03	PRIVACY	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	08	HM-1	HM	H4	J3	-	PAINT	PAINT	1, 9	2.03
THIRD FLOOR																
3.01	EXIT(STAIRS)	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	05	HM-2	HM	H2	J2	-	PAINT	PAINT	1, 2, 10	3.01
3.02	EXIT(STAIRS)	C	3'-0"	7'-0"	1 3/4"	HOLLOW MTL	05	HM-2	HM	H2	J2	-	PAINT	PAINT	1, 2, 10	3.02
STORAGE UNIT DOOR SCHEDULE																
24.1	OH DOOR	D	3'-0"	6'-8"	BY MFR.	BY MFR.	04	BY MFR.	BY MFR.	-	-	-	PREFIN		3	24.1
24.2	OH DOOR	D	8'-0"	6'-8"	BY MFR.	BY MFR.	04	BY MFR.	BY MFR.	-	-	-	PREFIN		3	24.2
24.3	OH DOOR	D	7'-0"	6'-8"	BY MFR.	BY MFR.	04	BY MFR.	BY MFR.	-	-	-	PREFIN		3	24.3
A	SWINGING	E	3'-0"	6'-8"	BY MFR.	BY MFR.	BY MFR.	BY MFR.	BY MFR.	-	-	-	PREFIN		4	A
ALUMINUM FRAMES																
A	SEE ELEVATION							AL-1	ALUM					PREFIN	5, 14	A
B	SEE ELEVATION							AL-2	ALUM					PREFIN	5, 14	B
C	SEE ELEVATION							AL-3	ALUM					PREFIN	5, 14	C
D	SEE ELEVATION							AL-4	ALUM					PREFIN	5, 14	D
E	SEE ELEVATION							AL-5	ALUM					PREFIN	5, 14	E



STOREFRONT / ALUMINUM FRAME ELEVATIONS

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



DOOR TYPES

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

FRAME TYPES

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

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TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision descriptions

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

FRAME OPENING SCHEDULE AND ELEVATIONS

A4.0

2/24/2026 11:18 AM

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
24-8289 3/31/2026

Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
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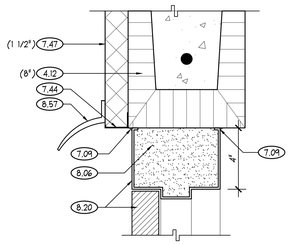
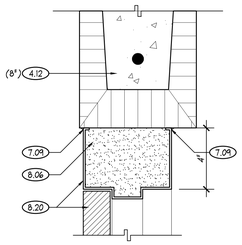


H1 DOOR HEAD DETAIL
SCALE: 3" = 1'-0" (EXTERIOR)



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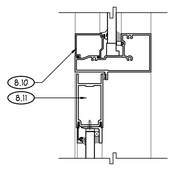

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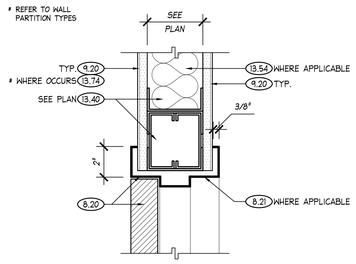

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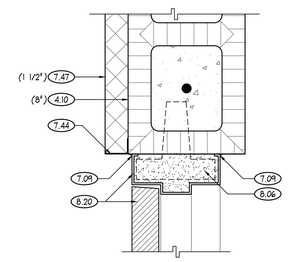

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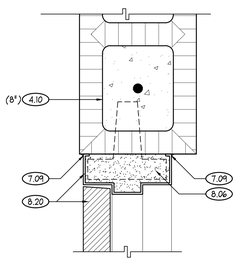

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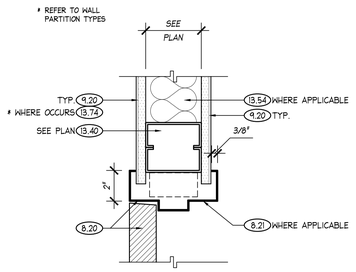

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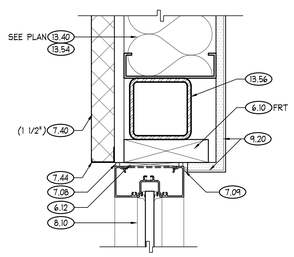

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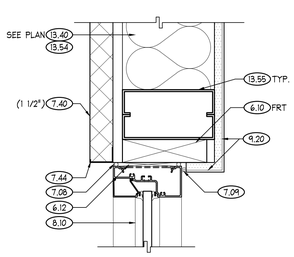

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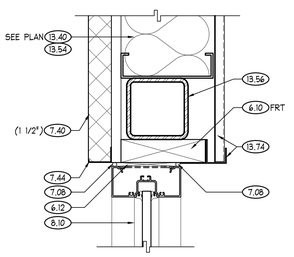

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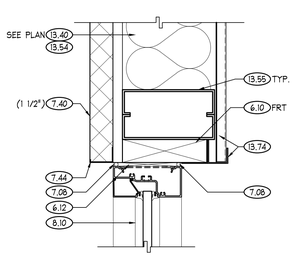

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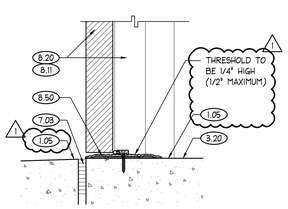
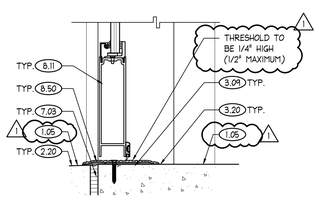


T1 THRESHOLD DETAIL
SCALE: 3" = 1'-0"



T2 THRESHOLD DETAIL
SCALE: 3" = 1'-0"

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GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision descriptions
1	03.27.26	REVISIONS PER THIRD PARTY PLAN REVIEW COMMENTS

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
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DOOR AND STOREFRONT DETAILS

A4.1

3/27/2026 9:19 AM

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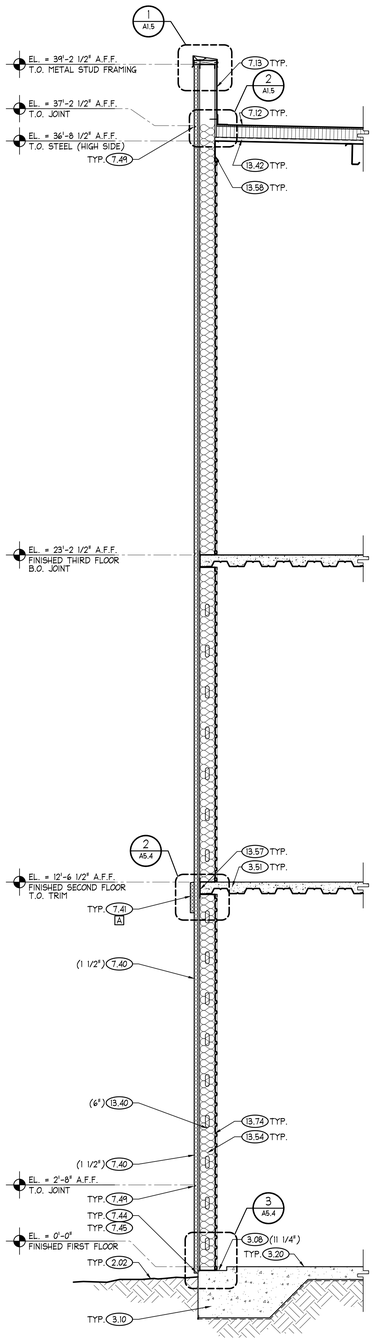

1 WALL SECTION
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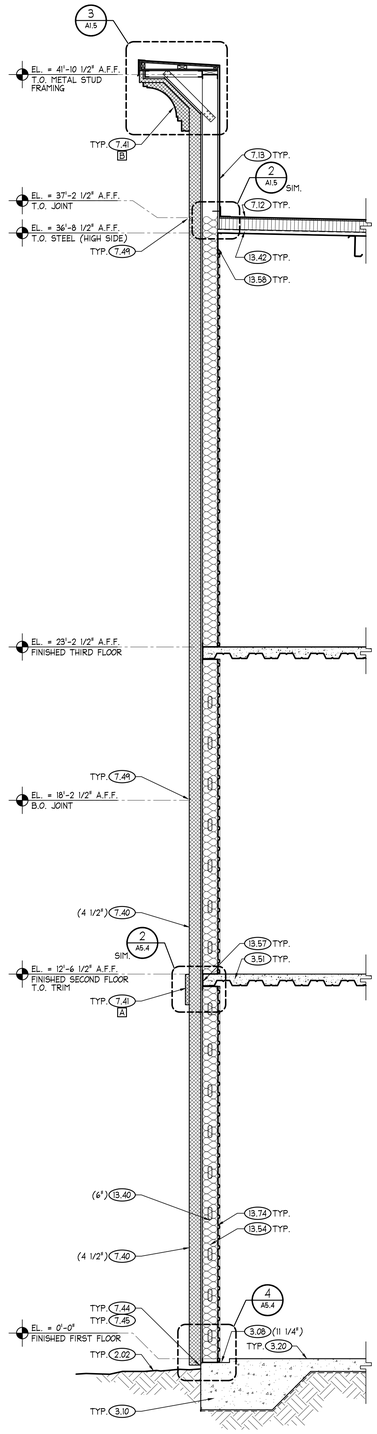

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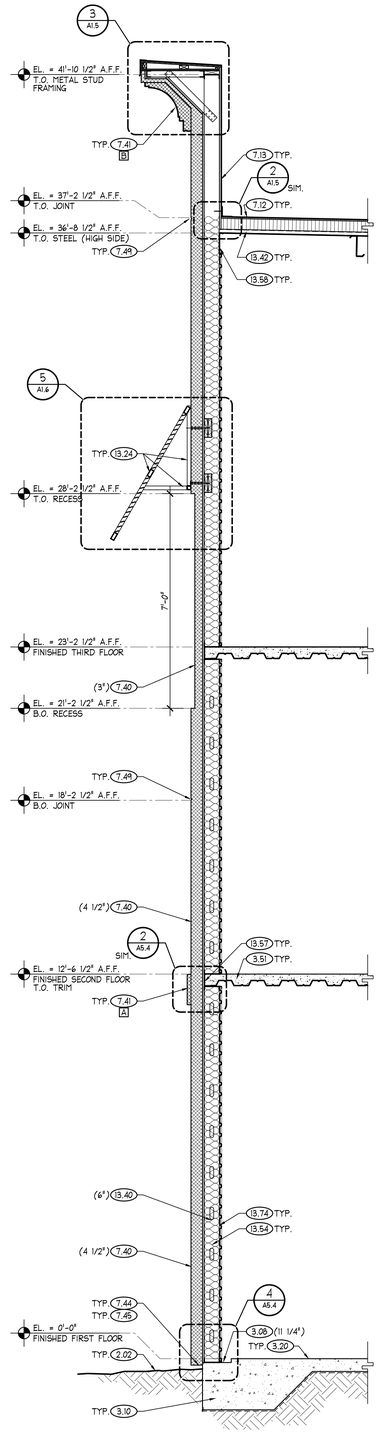

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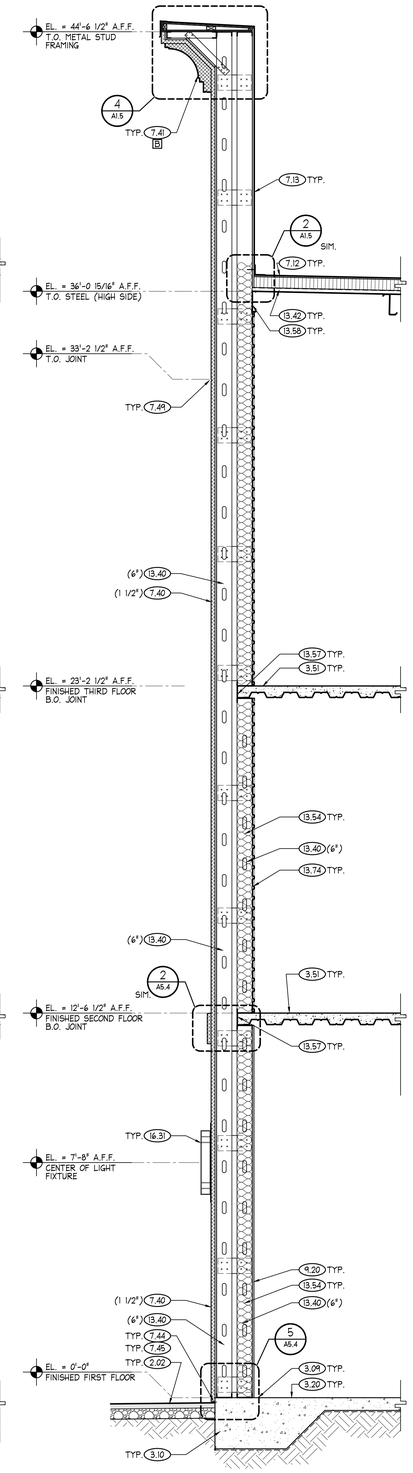

4 WALL SECTION
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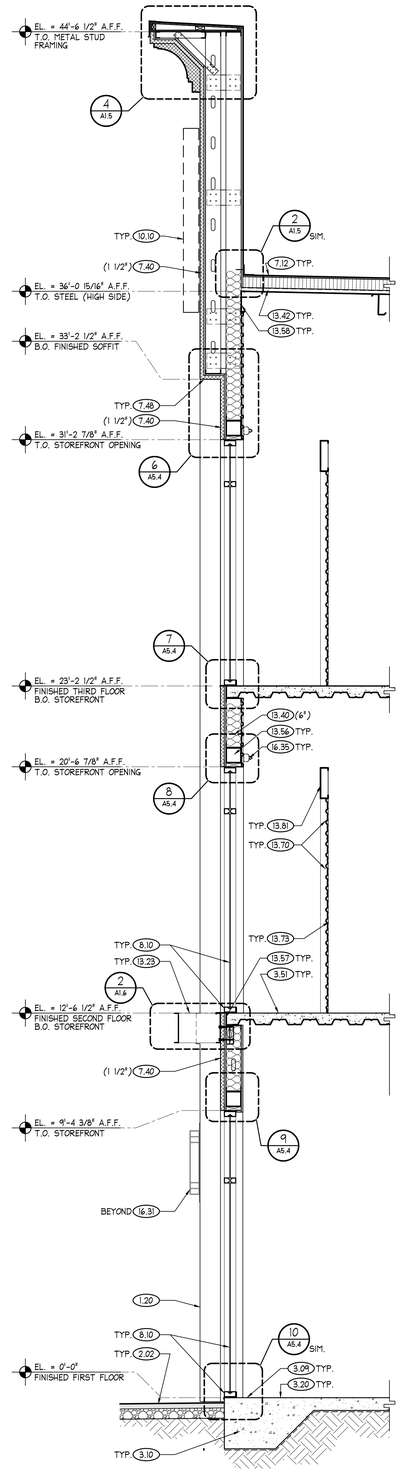

5 WALL SECTION
SCALE: 1/2" = 1'-0"

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FL License No. AR0015323
seal

no.	date	revision descriptions

REUNION
SELF-STORAGE
DAVENPORT

OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET 02.23.26 date
25035 comm. no.
WALL SECTIONS
A5.0

2/26/2026 1:18 AM

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24-8289 3/31/2026

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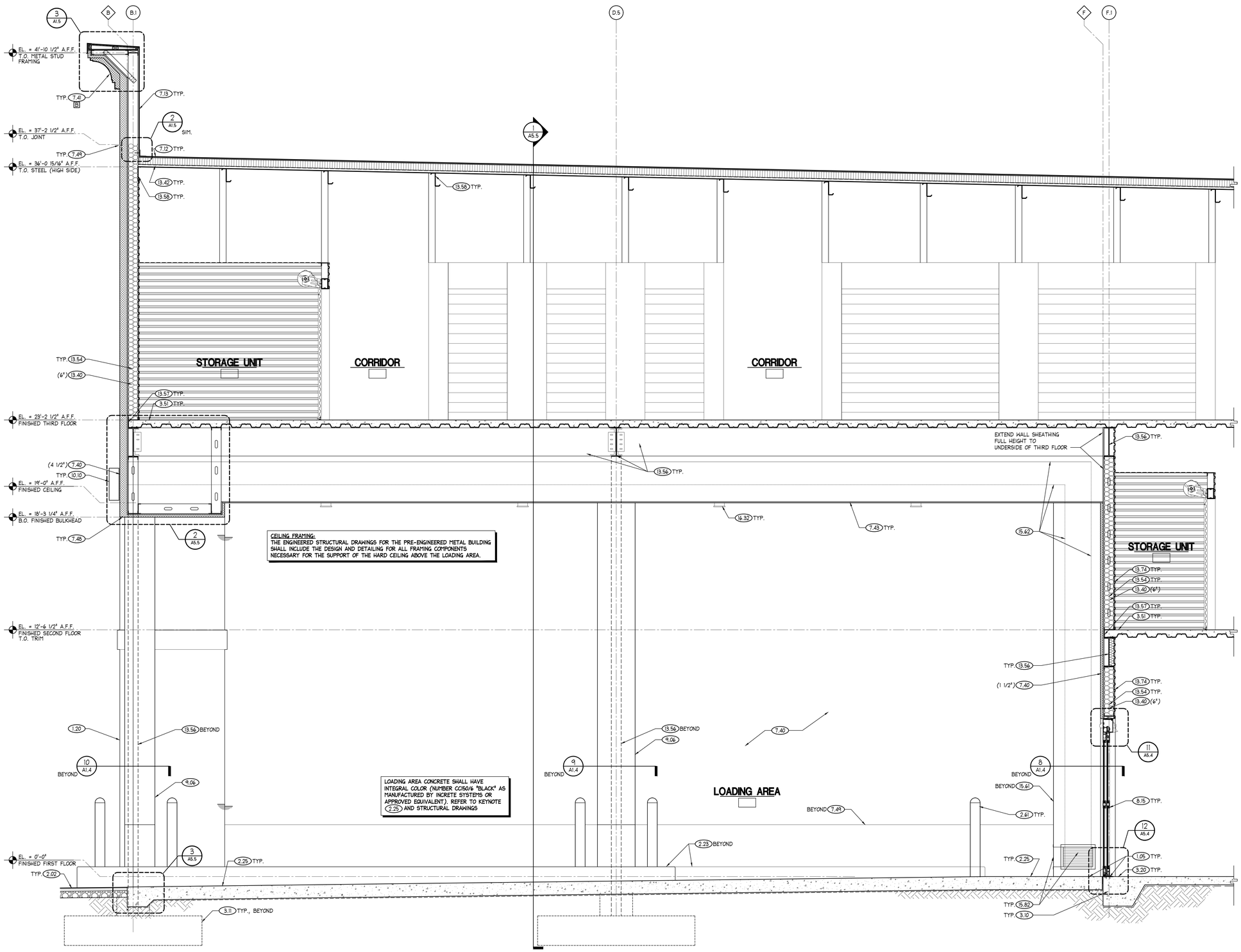

CEILING FRAMING:
THE ENGINEERED STRUCTURAL DRAWINGS FOR THE PRE-ENGINEERED METAL BUILDING SHALL INCLUDE THE DESIGN AND DETAILING FOR ALL FRAMING COMPONENTS NECESSARY FOR THE SUPPORT OF THE HARD CEILING ABOVE THE LOADING AREA.

LOADING AREA CONCRETE SHALL HAVE INTEGRAL COLOR (NUMBER CC150/6 "BLACK" AS MANUFACTURED BY INCRETE SYSTEMS OR APPROVED EQUIVALENT). REFER TO KEYNOTE (2.25) AND STRUCTURAL DRAWINGS

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

2/26/2026 11:8 AM

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WALL SECTION

A5.1

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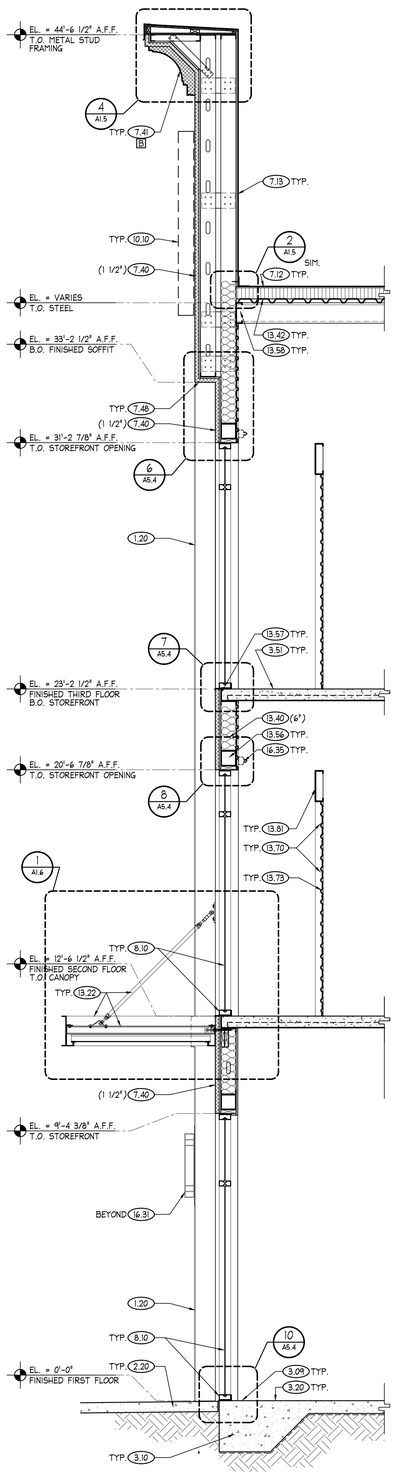

1 WALL SECTION
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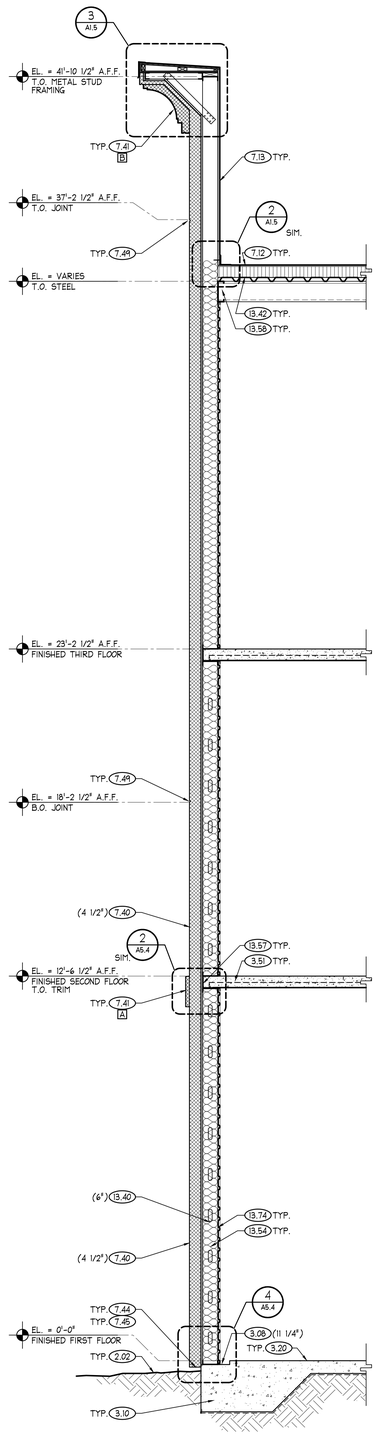

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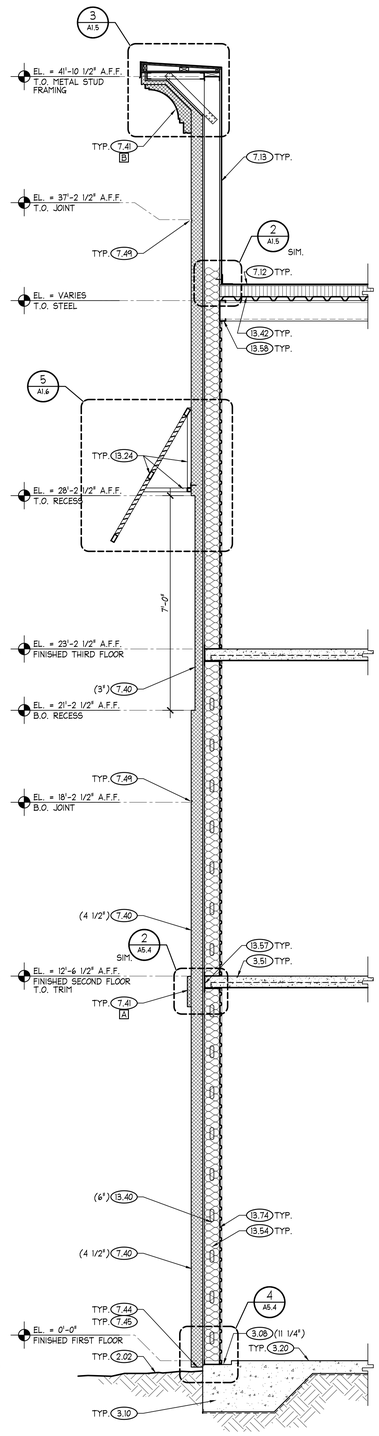

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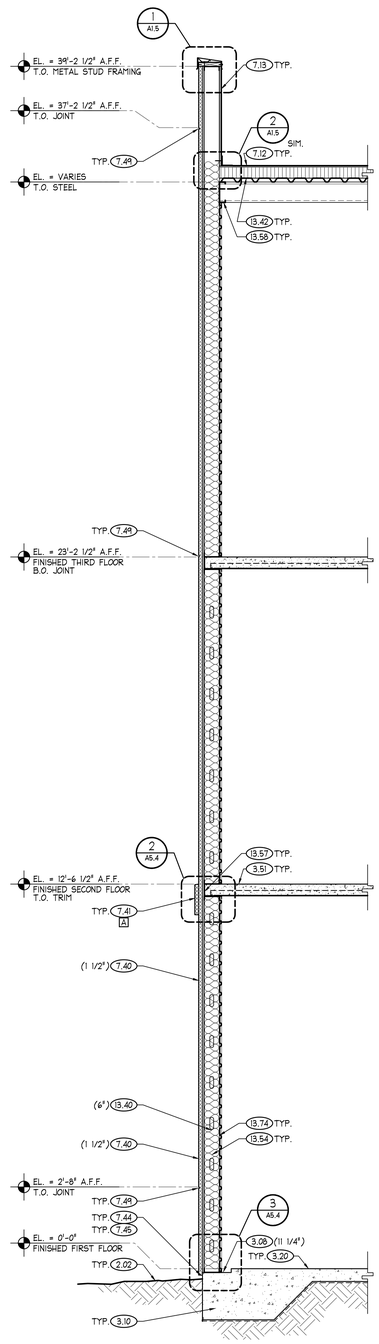

4 WALL SECTION
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WALL SECTIONS

A5.2

2/24/2026 11:19 AM

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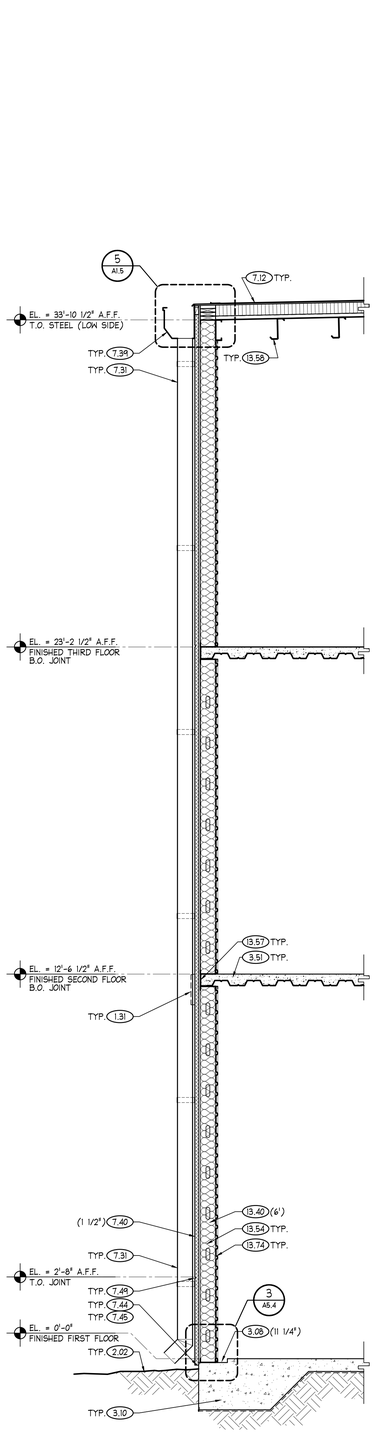

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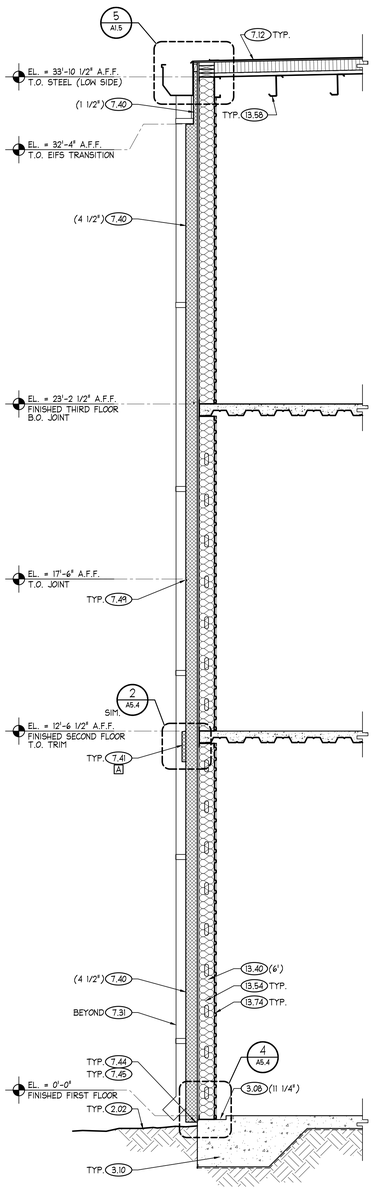

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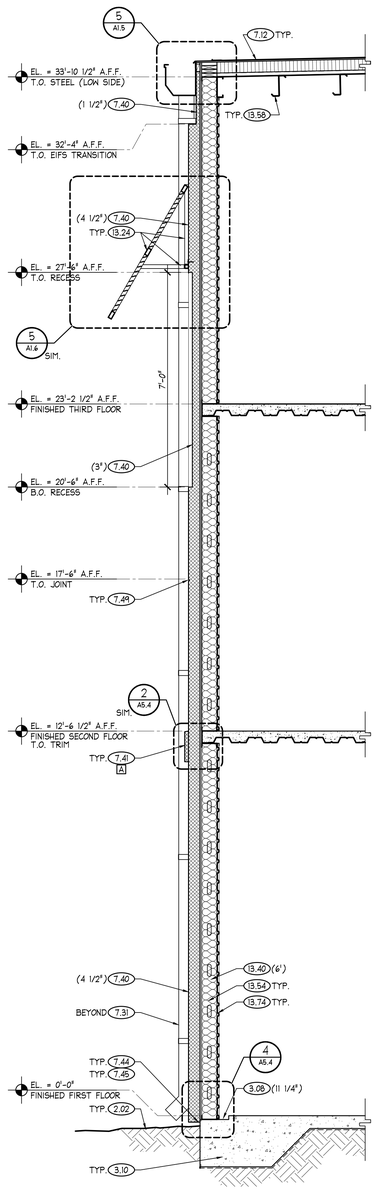

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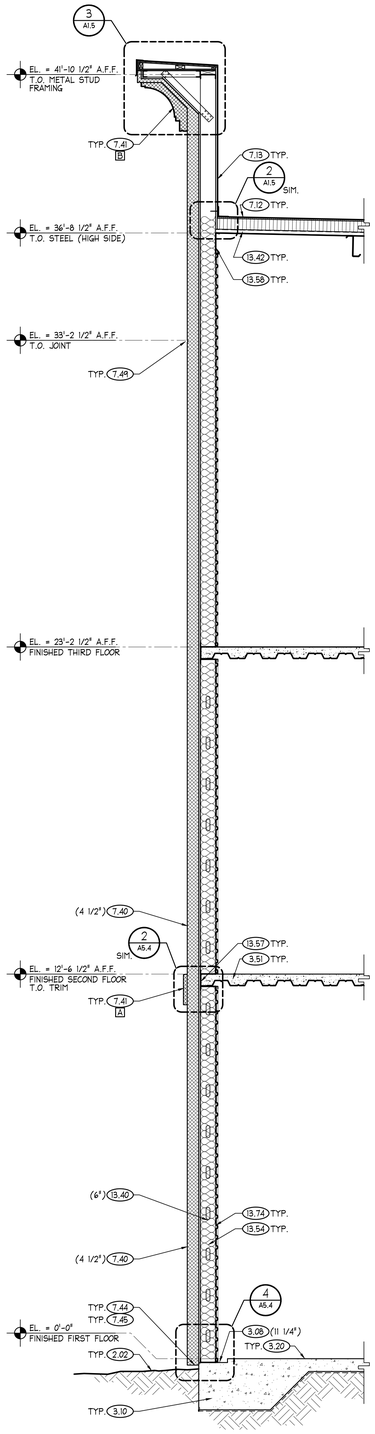

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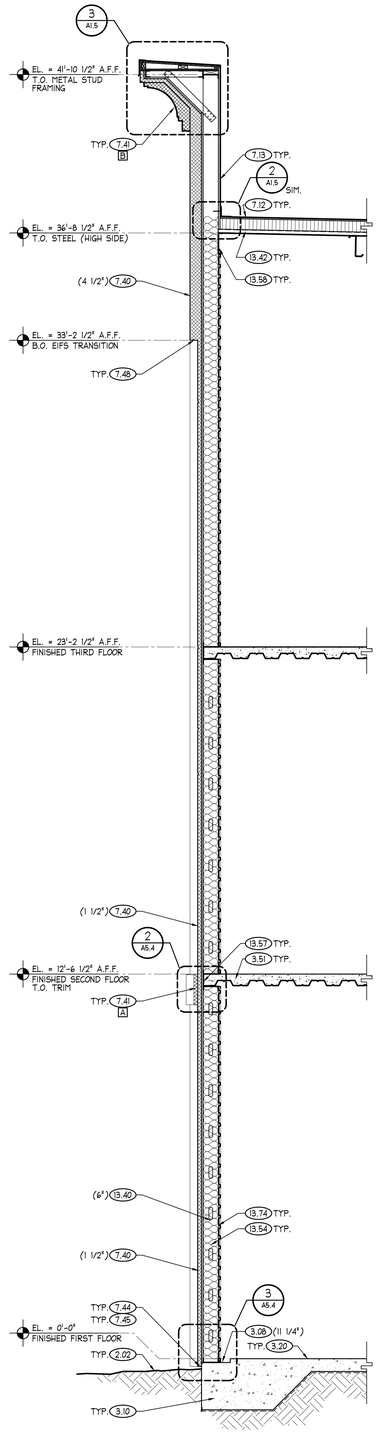

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WALL SECTIONS

A5.3

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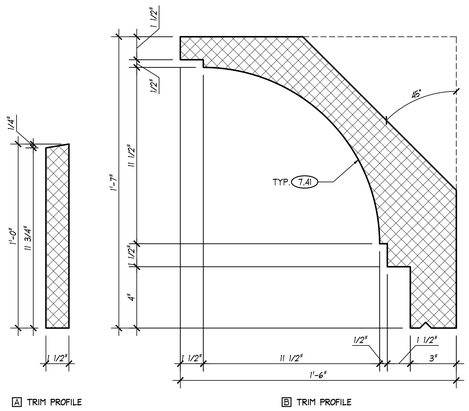
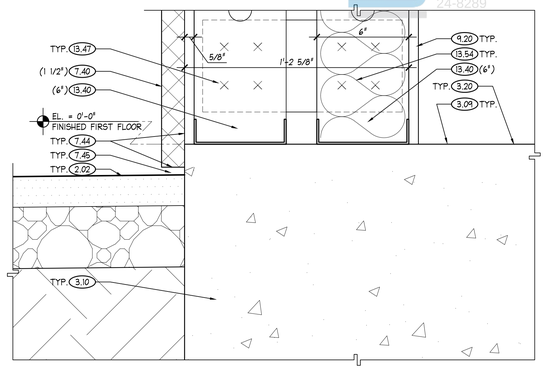
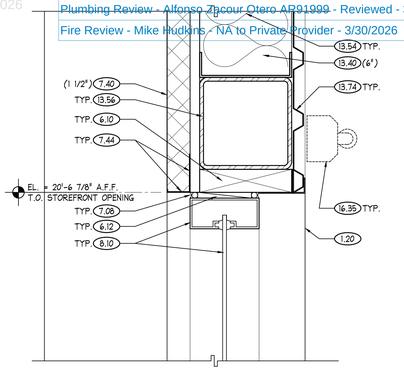


A TRIM PROFILE B TRIM PROFILE

1 EIFS TRIM PROFILES
SCALE: 3" = 1'-0"



5 WALL DETAIL
SCALE: 3" = 1'-0"



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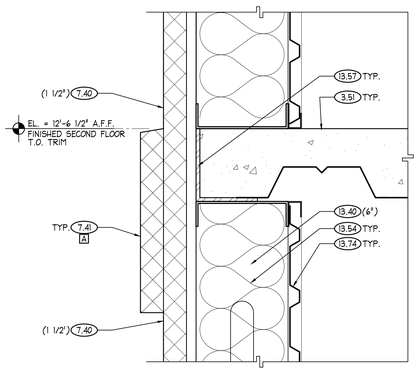

2 WALL DETAIL
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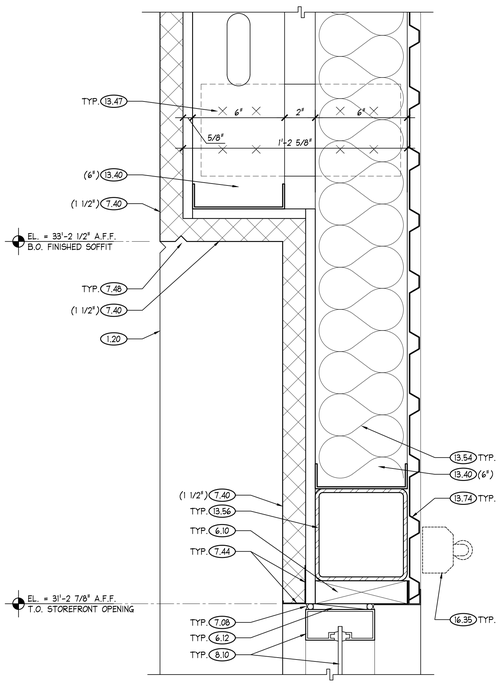

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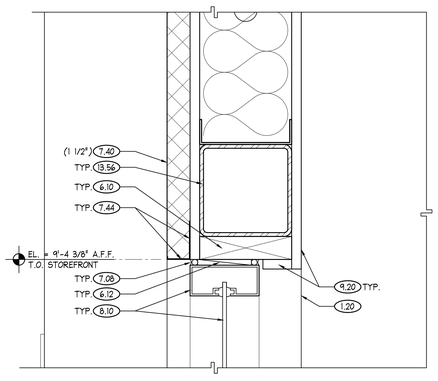

9 WALL DETAIL
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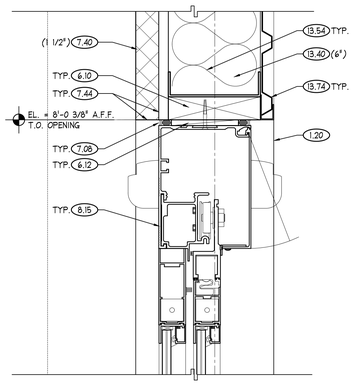

11 WALL DETAIL
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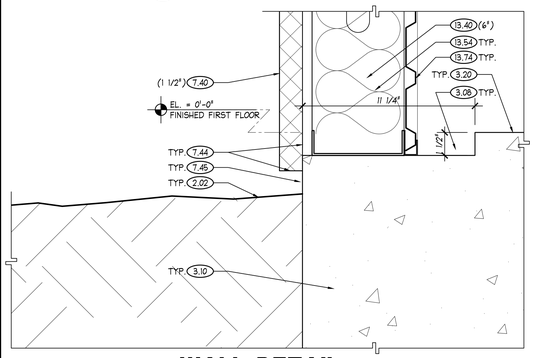

3 WALL DETAIL
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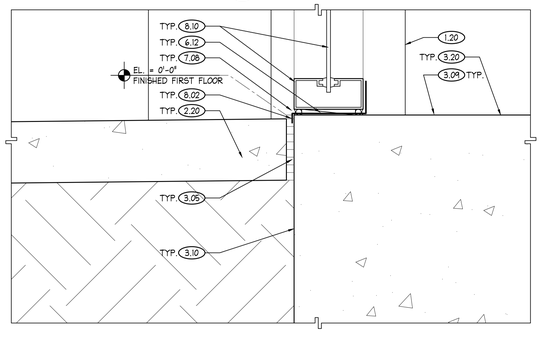

10 WALL DETAIL
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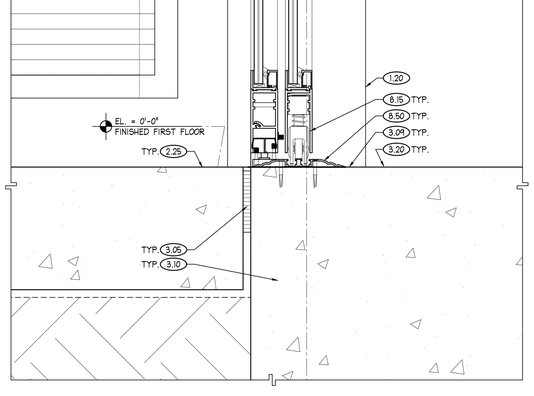

12 WALL DETAIL
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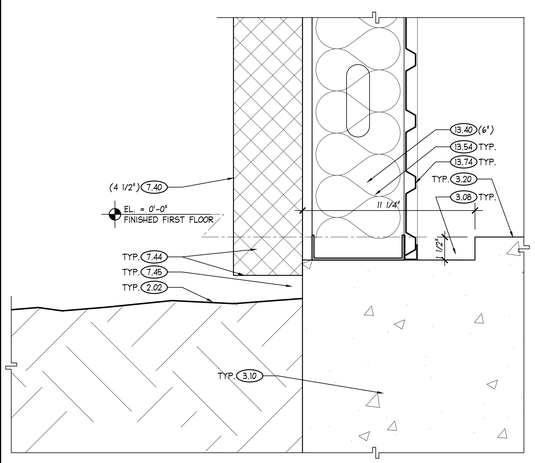
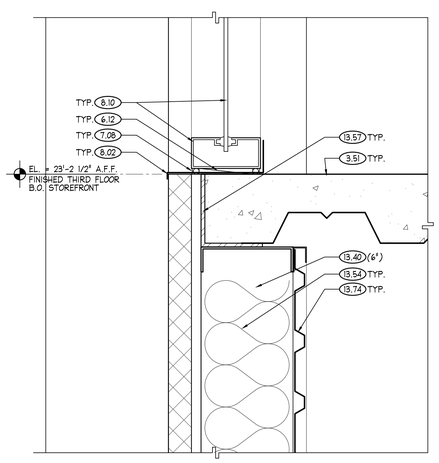


4 WALL DETAIL
SCALE: 3" = 1'-0"



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

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GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision descriptions

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SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
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25035
comm. no.

WALL DETAILS

A5.4

2/26/2026 1:18 AM

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24-8289 3/31/2026

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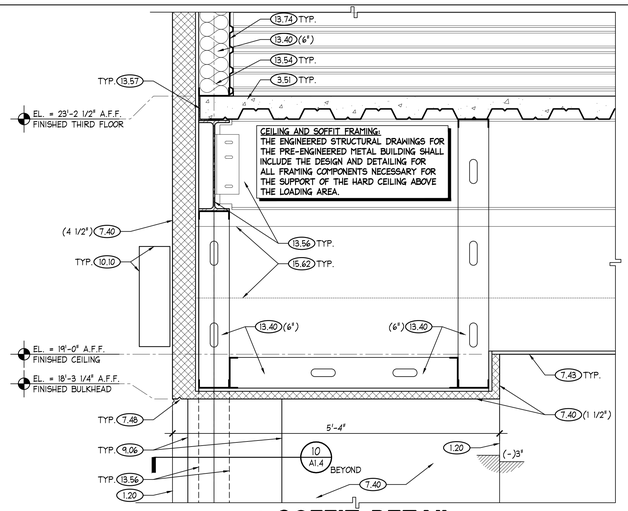
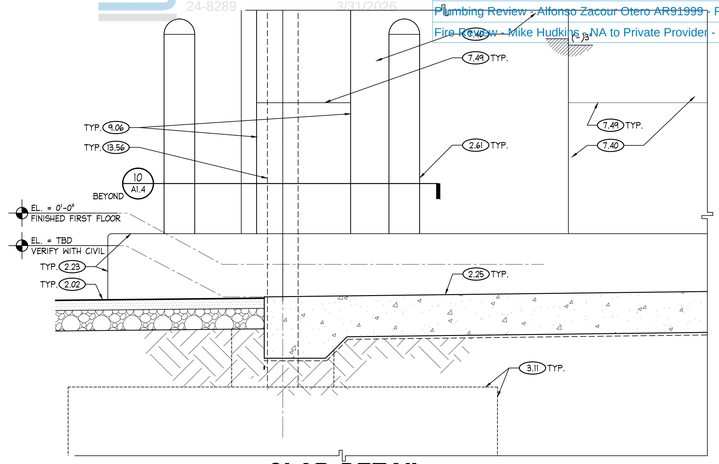
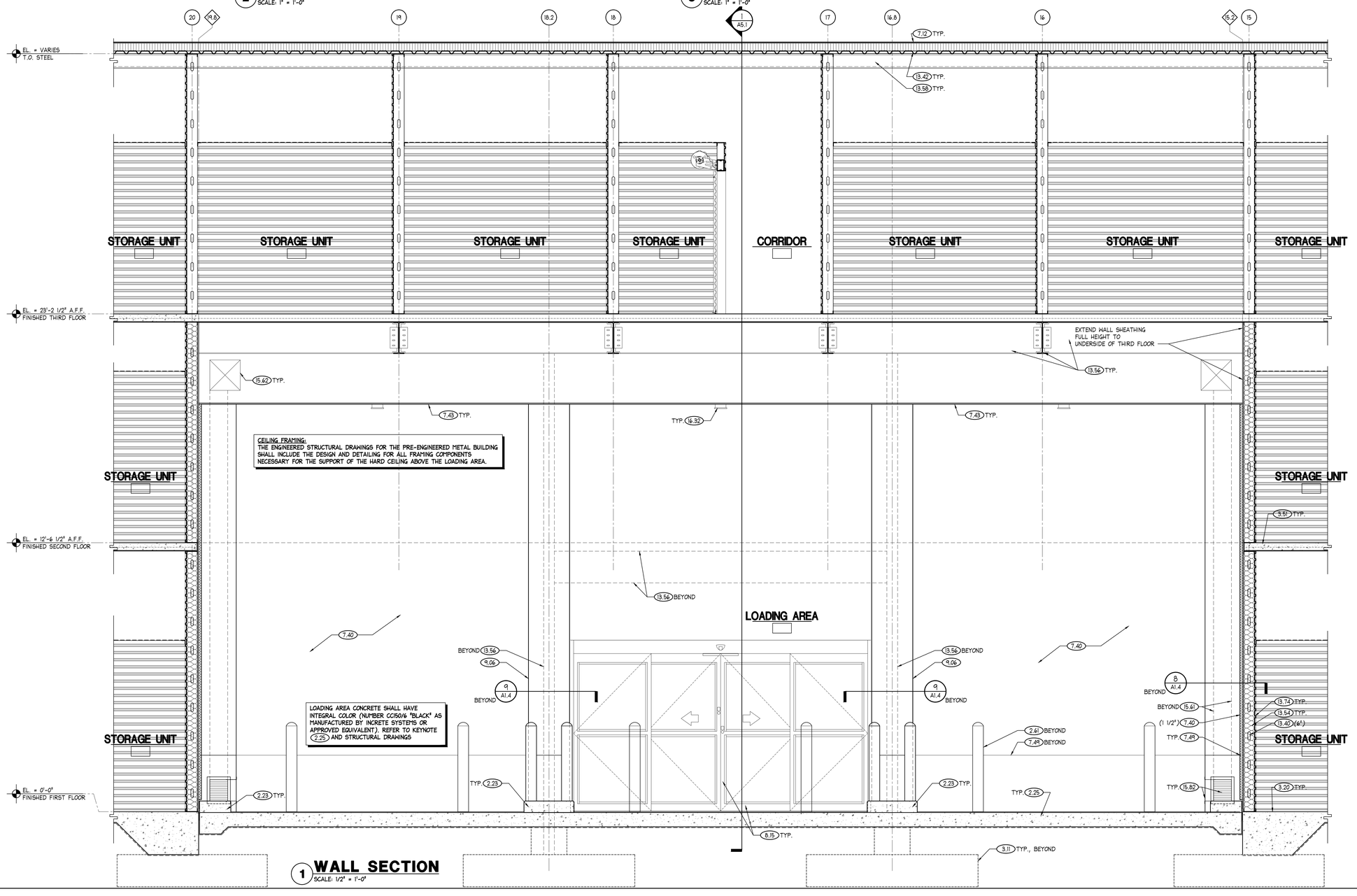


2 SOFFIT DETAIL
SCALE: 1" = 1'-0"



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



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

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WALL SECTION
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A5.5

2/26/2026 1:18 AM

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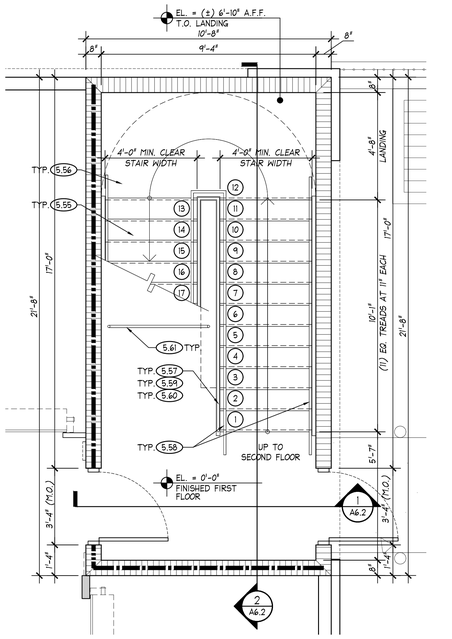
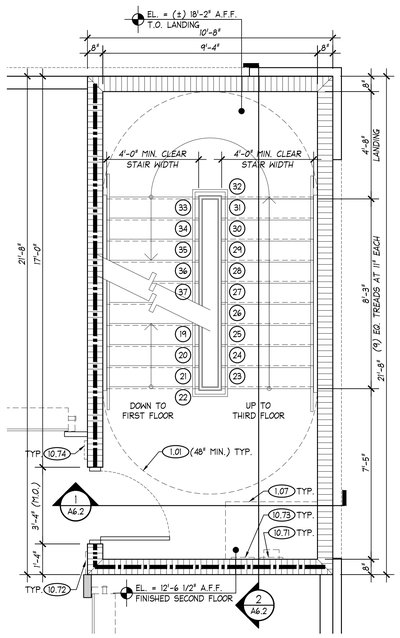
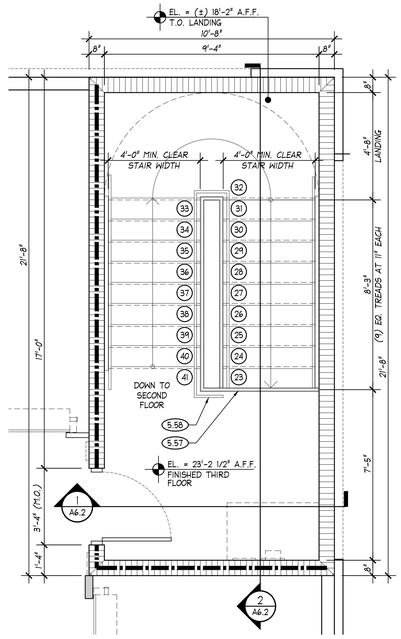


1A PLAN AT FIRST FLOOR



1B PLAN AT SECOND FLOOR

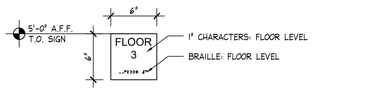


1C PLAN AT THIRD FLOOR

1 ENLARGED PLANS - STAIR 1

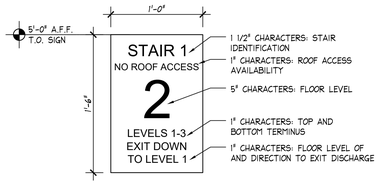
SCALE: 3/8" = 1'-0"

NORTH



FLOOR IDENTIFICATION

SIGNS TO BE PHOTOLUMINESCENT WITH BLACK DIGITAL PRINT



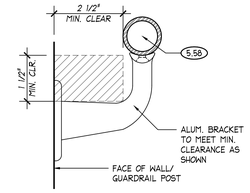
STAIR IDENTIFICATION

SIGNS TO BE PHOTOLUMINESCENT WITH BLACK DIGITAL PRINT

4 STAIR SIGNAGE

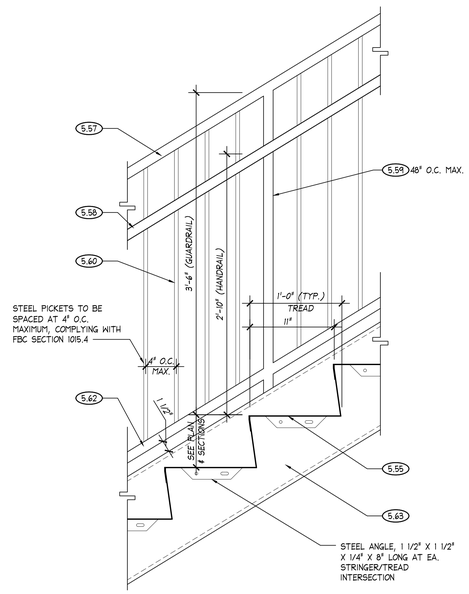
SCALE: 1 1/2" = 1'-0"

PROVIDE AT ALL STAIR DOORS



3B TYP. HANDRAIL SECTION

SCALE: 6" = 1'-0"

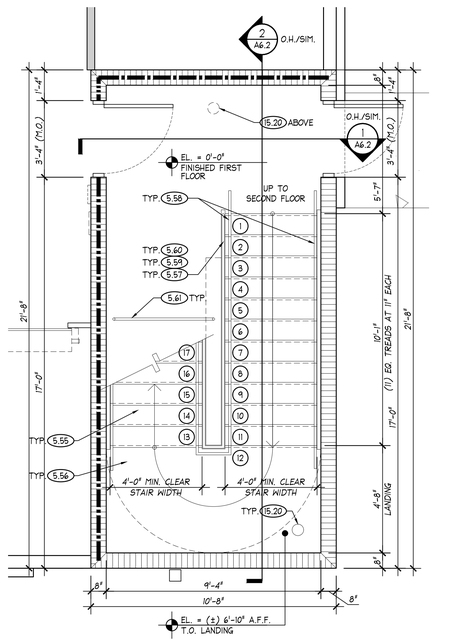


3A TYP. RAILING/TREAD DETAIL

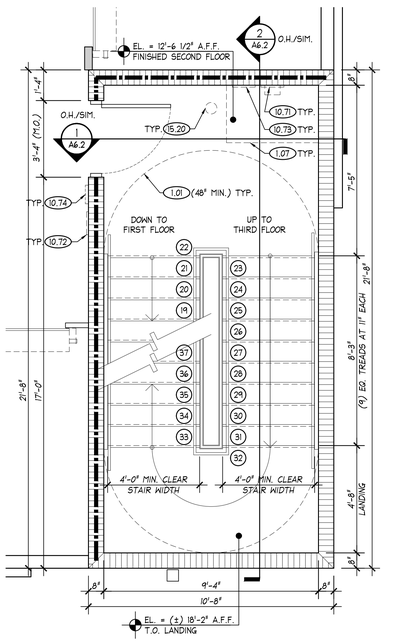
SCALE: 1 1/2" = 1'-0"

3 TYP. STAIR DETAILS

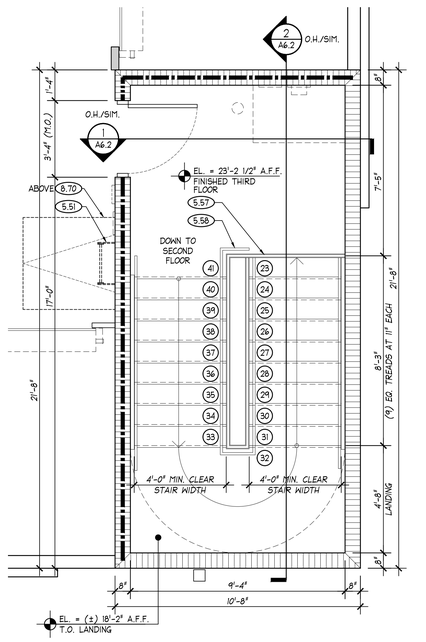
SCALE: AS SHOWN



2A PLAN AT FIRST FLOOR



2B PLAN AT SECOND FLOOR



2C PLAN AT THIRD FLOOR

2 ENLARGED PLANS - STAIR 2

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

NORTH

STAIR AND ENCLOSURE REQUIREMENTS:

BASE BID SHALL INCLUDE THE FOLLOWING:

1) ALL STEEL STAIRS AND ROOF ACCESS LADDER COMPONENTS INCLUDING HANDRAILS, GUARDRAILS, STRINGERS, TREAD PANS, RISERS, AND ROOF ACCESS HATCH SHALL BE PAINTED UNLESS OTHERWISE NOTED.

2) NO PAINT REQUIRED AT THE CMU WALLS AT THE INTERIOR OF THE STAIR ENCLOSURES. PROVIDE PAINT FINISH ONLY AT ANY GWB WALL SURFACES

ALTERNATE BIDS SHALL INCLUDE THE FOLLOWING:

1) PROVIDE ALTERNATE BID FOR PAINT FINISH AT THE CMU WALLS AT THE INTERIOR OF THE STAIR ENCLOSURES

REFER TO THE WALL LEGEND AND INTERIOR PARTITION TYPES ON SHEET A1.4

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ENLARGED STAIR PLANS - STAIRS 1 AND 2

A6.0

2/26/2026 1:18 AM

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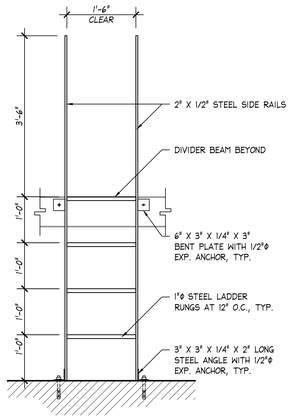
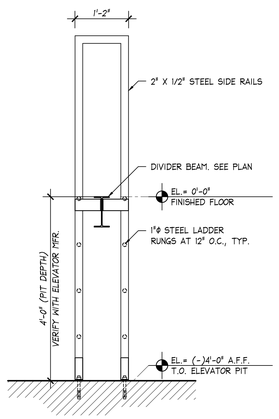
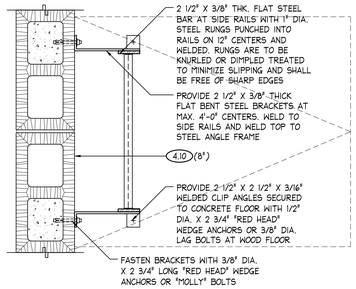


FRONT ELEVATION

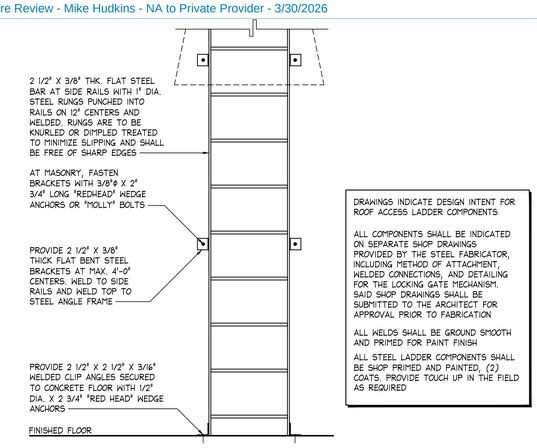


SIDE ELEVATION

2 ELEVATOR PIT LADDER DETAIL
SCALE: 3/4" = 1'-0"



3 ROOF ACCESS LADDER PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



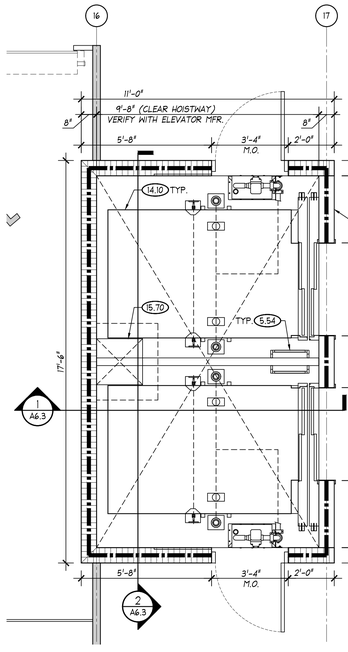
DRAWINGS INDICATE DESIGN INTENT FOR ROOF ACCESS LADDER COMPONENTS

ALL COMPONENTS SHALL BE INDICATED ON SEPARATE SHOP DRAWINGS PROVIDED BY THE STEEL FABRICATOR, INCLUDING METHOD OF ATTACHMENT, WELDED CONNECTIONS, AND DETAILING FOR THE LOCKING GATE MECHANISM. SAID SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION

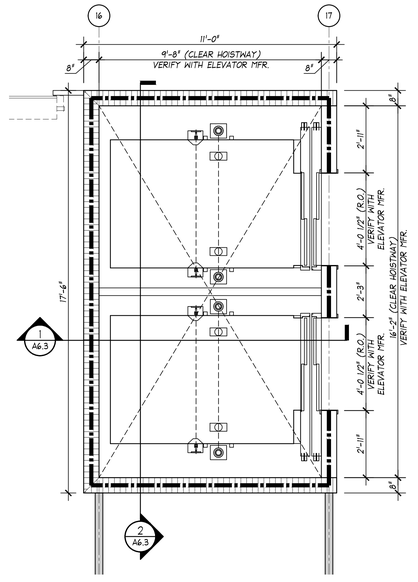
ALL WELDS SHALL BE GROUND SMOOTH AND PRIMED FOR PAINT FINISH

ALL STEEL LADDER COMPONENTS SHALL BE SHOP PRIMED AND PAINTED, (2) COATS. PROVIDE TOUCH UP IN THE FIELD AS REQUIRED

4 ROOF ACCESS LADDER ELEVATION DTL.
SCALE: 3/4" = 1'-0"



1A PLAN AT FIRST FLOOR



1B PLAN AT SECOND AND THIRD FLOOR

1 ENLARGED ELEVATOR PLANS
SCALE: 3/8" = 1'-0"

NORTH

ELEVATOR REQUIREMENTS:

BASE BID SHALL INCLUDE THE FOLLOWING:

OTIS - "HYDROFIT" HOLELESS HYDRAULIC ELEVATOR WITH MACHINE-ROOMLESS APPLICATION

4,500 POUND CAPACITY
100 (FPM) FEET PER MINUTE RATED SPEED

POWER SUPPLY: 480 VOLTS, 3 PHASE, 60 HERTZ

INSIDE CAR DIMENSIONS (VERIFY WITH ELEVATOR MANUFACTURER):
WIDTH: 66-3/4"
LENGTH: 95-1/2"
HEIGHT: 93"

FINISHES:
CEILING: FLUSH STEEL CEILING WITH 4 LED LIGHTS IN A SATIN STAINLESS STEEL FINISH

CAB:
SATIN STAINLESS STEEL SHELL CAB. BRUSHED STEEL FINISH FINISHED BASE PLATE LOCATED AT TOP AND BOTTOM

FLOOR: ALUMINUM DIAMOND PLATE FLOORING

DOORS AND FRAMES: STAINLESS STEEL TRANSOM AND FRONT RETURN, SATIN STAINLESS STEEL DOORS AND FRAMES AT EACH LANDING

ACCESS BY KEYPAD. USER PRESENTS PINCODE, DOOR OPENS FOR ENTRANCE

SEE SPECIFICATIONS FOR COMPLETE FINISHES AND OPTIONS

REFER TO THE WALL LEGEND AND INTERIOR PARTITION TYPES ON SHEET A1.4

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ENLARGED ELEV. SHAFT PLANS AND DETAILS

A6.1

2/26/2026 1:18 AM

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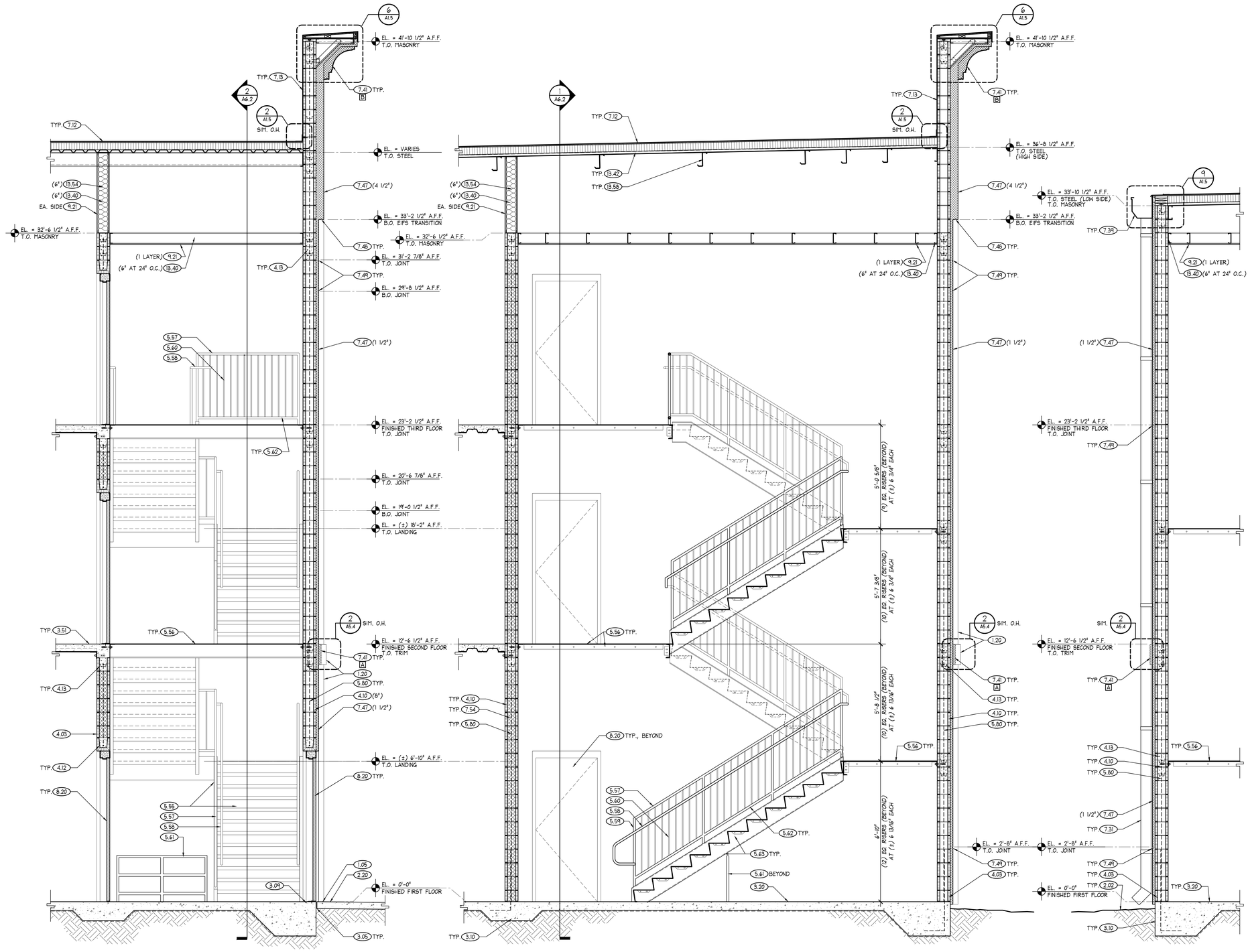

1 **STAIR SECTION**
SCALE: 1/2" = 1'-0"

2 **STAIR SECTION**
SCALE: 1/2" = 1'-0"

3 **STAIR SECTION**
SCALE: 1/2" = 1'-0"

FWH Architects
3336 Grand Blvd. Suite 201
Holiday, Florida 34690
Ph. 727. 815. 3336
FABER@FWHARCHITECTS.COM

TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER
FL License No. AR0015323
seal

no.	date	revision descriptions

REUNION
SELF-STORAGE
DAVENPORT
OSCEOLA POLK LINE ROAD
DAVENPORT, FLORIDA 33896

100% PERMIT SET
02.23.26
date

25035
comm. no.

STAIR SECTIONS

A6.2

2/26/2026 1:18 AM

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida LLC
24-8289 3/31/2026

Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Fire Review - Mike Hudkins - NA to Private Provider - 3/30/2026

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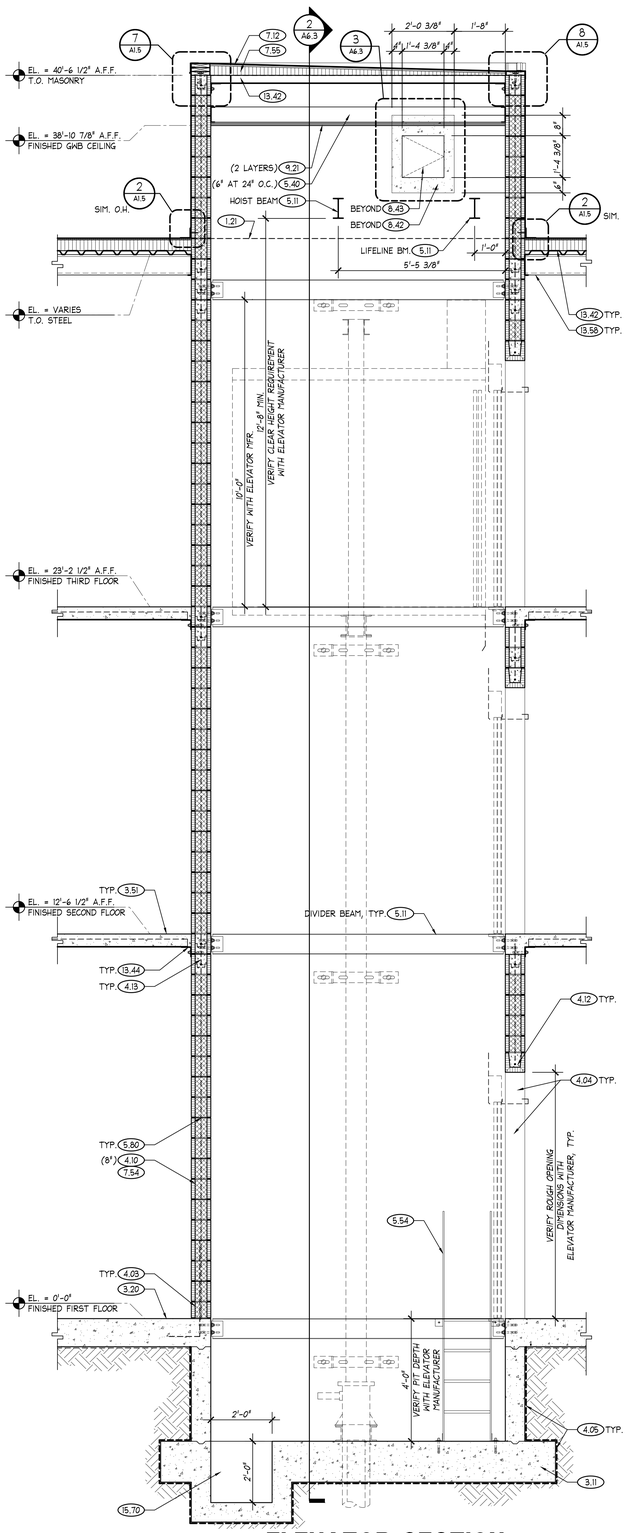
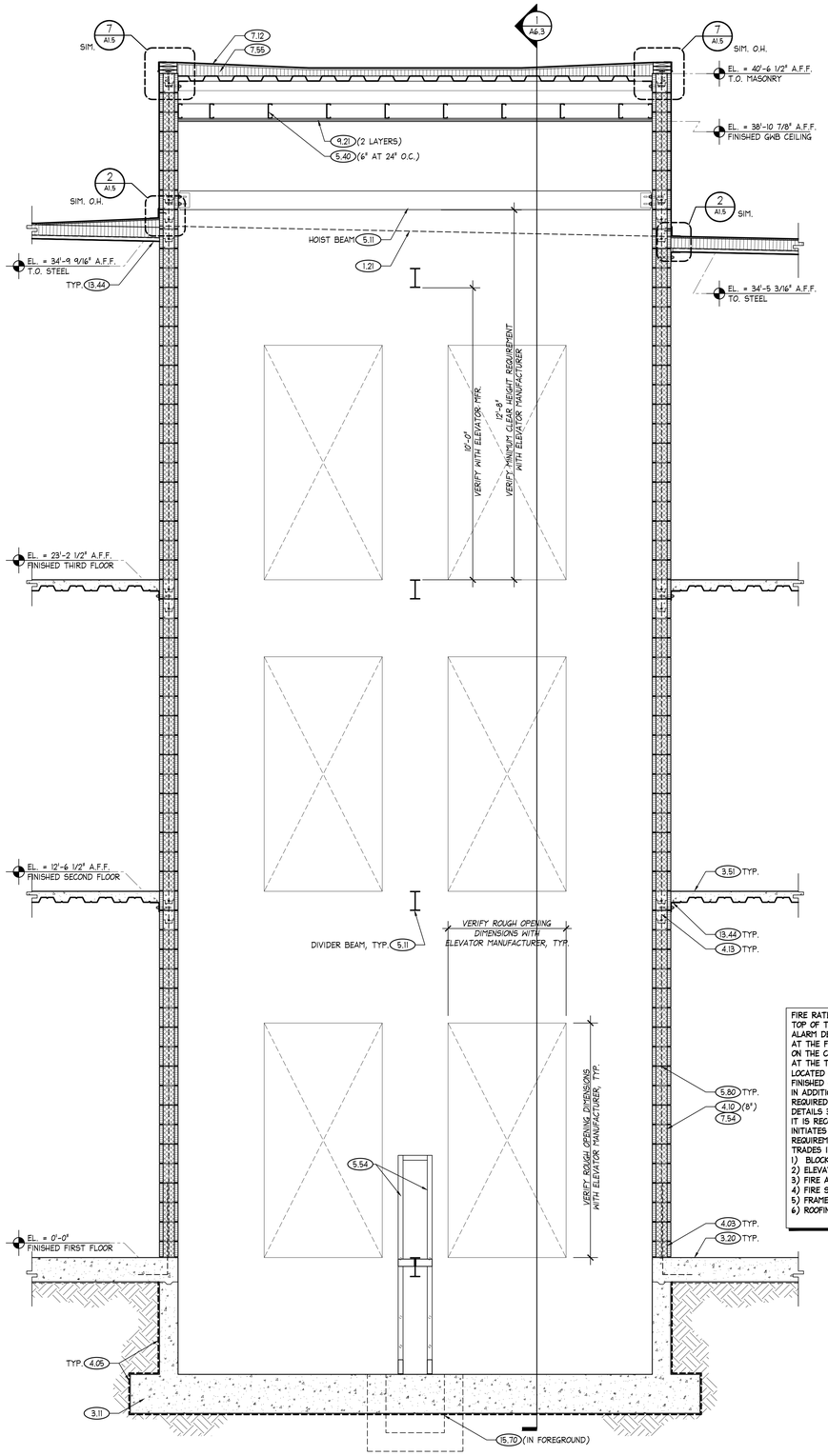
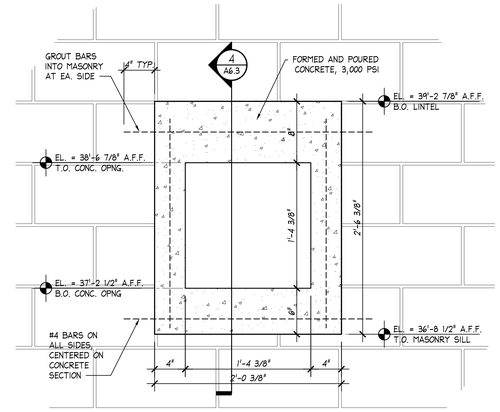


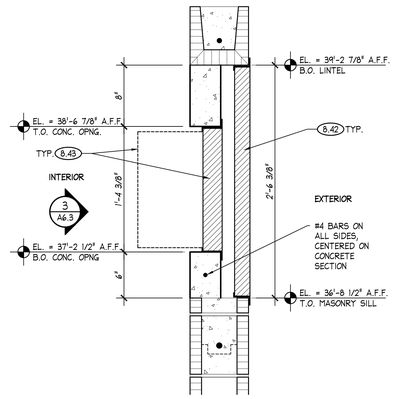
1 ELEVATOR SECTION
SCALE: 1/2" = 1'-0"



2 ELEVATOR SECTION
SCALE: 1/2" = 1'-0"



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



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

FIRE RATED ACCESS PANELS (8.43) ARE REQUIRED AT THE TOP OF THE ELEVATOR HOISTWAY TO ALLOW ACCESS TO FIRE ALARM DEVICES FROM OUTSIDE OF THE SHAFT.
AT THE FIRST FLOOR, THE ACCESS PANEL SHALL BE LOCATED ON THE CORRIDOR SIDE OF THE SHAFT.
AT THE TOP OF THE SHAFT, THE ACCESS PANEL SHALL BE LOCATED ABOVE THE ROOF WITH THE TOP SET 4" BELOW THE FINISHED HOISTWAY CEILING.
IN ADDITION, A WEATHERPROOF ACCESS PANEL (8.42) IS REQUIRED OUTSIDE OF THE FIRE-RATED ACCESS PANEL. SEE DETAILS 3/A6.3 AND 4/A6.3
IT IS RECOMMENDED THAT THE GENERAL CONTRACTOR INITIATES A COORDINATION MEETING TO REVIEW ALL REQUIREMENTS AND PRECISE LAYOUT WITH ALL APPLICABLE TRADES INCLUDING THE FOLLOWING:
1) BLOCK MASON
2) ELEVATOR MANUFACTURER AND INSTALLER
3) FIRE ALARM CONTRACTOR
4) FIRE SPRINKLER SUBCONTRACTOR
5) FRAMER AND GWB SUBCONTRACTOR
6) ROOFING SUBCONTRACTOR

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UL Product iQ™

BXUV.U419 - Fire-resistance Ratings - ANSI/UL 263

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 Certified 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 general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

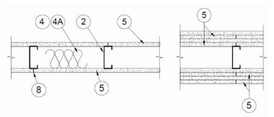
See General Information for Fire resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

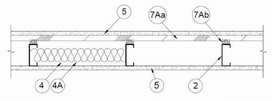
Design No. U419

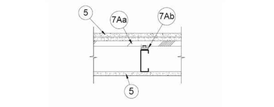
December 10, 2020

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5J)

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**







1. **Floor and Ceiling Runners** — (Not Shown) — For use with Item 2 — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

1A. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™ Track

CRACO MFG INC — SmartTrack25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™ Track

FUSION BUILDING PRODUCTS — Viper25™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper25™ Track

1B. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1- 1/4 in. wide by 3- 5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners 24 in. OC max.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1C. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — In lieu of Item 1 — Channel shaped, attached to floor and ceiling with fasteners 24 in. OC, max.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/308QD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/308QD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/308QD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/308QD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/308QD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/308QD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/308QD and Type SUPREME D20

1D. **Floor and Ceiling Runners —** (Not Shown) — For use with Item 2A — Channel shaped, fabricated from min 20 MSG corrosion protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1E. **Framing Members* — Floor and Ceiling Runners —** (Not Shown, As an alternate to Item 1) — For use with Items 2E, 5F or 5G or 5I only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC max.
CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProSTRAK

RAM SALES L L C — Ram ProSTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1F. **Framing Members* — Floor and Ceiling Runner —** Not Shown — In lieu of Item 1 — For use with Item 2F, proprietary channel shaped runners, minimum width to accommodate stud size, with 1- 1/8 in. long legs fabricated from min 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC, max.
SUPER STUD BUILDING PRODUCTS — The Edge

1G. **Framing Members* — Floor and Ceiling Runner —** For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size attached to floor and ceiling with fasteners 24 in. OC max.
STUDCO BUILDING SYSTEMS — CROCSTUD Track

1H. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.018 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100

FUSION BUILDING PRODUCTS — Viper20™ Track VT100

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track VT100

1I. **Framing Members* — Floor and Ceiling Runners —** (Not Shown, As an alternate to Item 1) — For use with Items 2H, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.
TELLING INDUSTRIES L L C — TRUE-TRACK™

1J. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2I, proprietary channel shaped runners, 3- 5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

1K. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2J, proprietary channel shaped runners, 1-1/4 in. wide by 1-3/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1L. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2N, proprietary channel shaped runners, 1- 1/4 in. wide by min. 1-1/2 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
RESCUE METAL FRAMING, L L C — AlphaTRAK

1M. **Framing Members* — Floor and Ceiling Runners —** Not Shown — As an alternate to Item 1 — For use with Item 2O, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
RONDO BUILDING SERVICES PTY LTD — Rondo Wall Track

1N. **Framing Members* — Floor and Ceiling Runners —** Not Shown — As an alternate to Item 1 — For use with Item 2P, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
OEG BUILDING MATERIALS — OEG Track

1O. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2Q, proprietary channel shaped runners, min width to accommodate stud size, fabricated from min. 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X Track

2. **Steel Studs** — Channel shaped, fabricated from min 25 MSG corrosion protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2A. **Steel Studs*** — (As an alternate to Item 2, For use with Items 5B, 5E, 5H, 5J or Type ULIX) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3 in. or min depth, 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.

2B. **Framing Members* - Steel Studs —** (As an alternate to Item 2, For use with Items 5C, 5I or Type ULIX) — Proprietary channel shaped studs, 3 5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 1/4 in less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™

CRACO MFG INC — SmartStud25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™

FUSION BUILDING PRODUCTS — Viper25™

IMPERIAL MANUFACTURING GROUP INC — Viper25™

2C. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

FUSION BUILDING PRODUCTS — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2D. **Framing Members* — Steel Studs** — In lieu of Item 2 — Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/308QD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/308QD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/308QD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/308QD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/308QD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/308QD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/308QD and Type SUPREME D20

2E. **Framing Members* — Steel Studs —** (Not Shown, As an alternate to Item 2) — For use with Items 5F or 5G or 5I or Type ULIX only, channel shaped studs, min depth as indicated under Item 5F, 5G or 5I, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2F. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness) galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.
SUPER STUD BUILDING PRODUCTS — The Edge

2G. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped studs, minimum width indicated under Item 5. Studs to be cut 3/8 to 3/4 in less than the assembly height.
STUDCO BUILDING SYSTEMS — CROCSTUD

2H. **Framing Members* — Steel Studs —** (Not Shown, As an alternate to Item 2) — Fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
TELLING INDUSTRIES L L C — TRUE-STUD™

2I. **Framing Members* — Steel Studs —**

2J. **Framing Members* — Metal Studs —** Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights

2K. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion- protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut

2L. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
OLMAR SUPPLY INC — PRIMESTUD

2M. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Studlite™

2N. **Framing Members*— Steel Studs —** As an alternate to Item 2 — proprietary channel shaped steel studs, min depth 1- 1/2 in. and as indicated under Item 5, spaced a max of 24 in. OC. fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in length than assembly height.
RESCUE METAL FRAMING, L L C — AlphaSTUD

FUSION BUILDING PRODUCTS — Viper20™ Track VT100

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track VT100

2O. **Framing Members* — Steel Studs —** As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.
RONDO BUILDING SERVICES PTY LTD — Rondo Lipped Wall Stud

2P. **Framing Members* — Steel Studs —** As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5. min 25 MSG galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.
OEG BUILDING MATERIALS — OEG Stud

2Q. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1O, proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X

3. **Wood Structural Panel Sheathing** — (Optional, For use with Item 5 Only) — (Not Shown) — 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by min. 1/2 in.

4. **Batts and Blankets*** — (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5.
See **Batts and Blankets** (BKNV or BZJQ) Categories for names of Classified companies.

4A. **Batts and Blankets*** — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.
See **Batts and Blankets** (BKNV or BZJQ) Categories for names of Classified companies.

4B. **Fiber, Sprayed*** — (Optional, for use with Type ULIX) Where insulation is required - Spray applied granulated mineral fiber material. The fiber is applied with adhesive at a minimum density of 4.0 pcf to completely fill the wall cavity in accordance with the application instructions supplied with the product. See **Fiber, Sprayed** (CCAZ).
AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

5. **Gypsum Board*** — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) with Type ULIX need not be staggered. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	2-1/2	2 layers, 3/4 in. thick	2 in.

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, WRK or WRC, 3/4 in. thick Types IP-X3 or ULTRACODE

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — 1/2 in. thick Type C and 5/8 in. thick Type SCX

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, ULIX, WRK, IP-X1, AR, C, WRC, FRK-G, IP-AR, IP-X2, IPC-AR, 3/4 in. thick Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, WRK or WRC, 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 7B, **Steel Framing Members***, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. **Gypsum Board*** — (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6.
CGC INC — Type SHX

UNITED STATES GYPSUM CO — Type FRX-G, SHX

USG MEXICO S A DE C V — Type SHX

5B. **Gypsum Board*** — (Not Shown) — As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 in or 3/4 in. thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) — Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5. Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 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. Gypsum board secured to 20 MSG steel studs Item 2A with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item 12).
RAY-BAR ENGINEERING CORP — Type RB-LBG

5C. **Gypsum Board*** — (For Use With Item 2B) — Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide. Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory.
CGC INC — Type SCX, ULIX.

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type SCX

UNITED STATES GYPSUM CO — Type SCX, SGX, ULIX

USG BORAL DRYWALL SFZ LLC — Type SCX

USG MEXICO S A DE C V — Type SCX

5D. **Gypsum Board*** — (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only.
CGC INC — Type USGX

UNITED STATES GYPSUM CO — Type USGX

USG BORAL DRYWALL SFZ LLC — Type USGX

USG MEXICO S A DE C V — Type USGX

5E. **Gypsum Board*** — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). 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 No. 6 by 1-1/4 in. long bugle head fine drilled) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
NEW ENGLAND LEAD BURNING CO INC, D&A NELCO — Nelco

5F. **Gypsum Board*** — (As an alternate to Item 5) — For use with Items 1E and 2E and limited to 1 Hour Rating only. Gypsum panels with beveled, square or tapered edges, applied vertically, and fastened to the steel studs with 1 in. long Type S screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum 3- 5/8 in.
THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type SCX

UNITED STATES GYPSUM CO — 5/8 in. thick Type SCX, SGX, ULIX

USG BORAL DRYWALL SFZ LLC — 5/8 in. thick Type SCX, SGX

5G. **Gypsum Board*** — (As an alternate to Item 5) — For use with Items 1E and 2E only. Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Item 2E	No. of Layers & Thickness of Panel	Min Thkns of Insulation (Item 4)
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX or 3/4 in. thick Types IP-X3 or ULTRACODE

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — 1/2 in. thick Types C and 5/8 in. thick SCX

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or 5/8 in. thick Type SCX, SGX, SHX, IP-X1, AR, C , FRX-G, IP-AR, IP-X2, IPC-AR, ULIX, 3/4 in. thick Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or 5/8 in. thick Type C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, WRK or WRC, 3/4 in. thick Types IP-X3 or ULTRACODE

5H. **Gypsum Board*** — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5. Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel 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. Gypsum board secured to 20 MSG steel studs Item 2B with 1- 1/4 in. long Type S- 12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A).
MAYCO INDUSTRIES INC — Type K Key Shielded Gypsum

5I. **Gypsum Board*** — (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5.
CGC INC — Type ULIX, ULX

UNITED STATES GYPSUM CO — Type ULIX, ULX

USG MEXICO S A DE C V — Type ULIX

5J. **Gypsum Board*** — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). 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 gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. 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 8 lb long with a max thickness of 0.14 in. 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 "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5J) and optional at remaining stud locations.
UNITED STATES GYPSUM CO — Type SCX, SGX, ULIX

USG BORAL DRYWALL SFZ LLC — Type SCX

USG MEXICO S A DE C V — Type SCX

6. **Fasteners** — (Not Shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. **Single layer system with Type ULIX:** 1 in. long, spaced 12 in. OC in the field and perimeter, when panels are applied horizontally or vertically **Two layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2- 1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer **Three-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2- 1/4 in. long for 1/2 in. or 5/8 in. thick panels, spaced 24 in. OC. Screws offset min 6 in. from layer below. **Four-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2- 1/4 in. long for 1/2 in. thick panels or 2- 5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2- 5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

7. **Furring Channels** — (Optional, Not Shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A.

7A. **Framing Members*** — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:
a. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. RSIC- 1 and RSIC- 1 (Z.75) clips secured to studs with No. 8 x 1- 1/2 in. minimum self-drilling, S- 12 steel screw through the center grommet. RSIC V and RSIC V (Z.75) clips secured to studs with No. 8 x 9/16 in. minimum self-drilling, S- 12 steel screw through the center hole. Furring channels are friction fitted into clips. RSIC- 1 and RSIC-V clips for use with 2- 9/16 in. wide furring channels; RSIC- 1 (Z.75) and RSIC V (Z.75) clips for use with 2- 23/32 in. wide furring channels.
PAC INTERNATIONAL L L C — Types RSIC- 1, RSIC V, RSIC- 1 (Z.75), RSIC- V (Z.75).

7B. **Framing Members*** — (Optional, Not Shown) — As an alternate to Item 7, for single or double layer systems, furring channels and Steel Framing Members on only one side of studs as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2- 1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.
KINETICS NOISE CONTROL INC — Type Isomax

7C. **Framing Members*** — (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2- 3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ca) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S- 12 steel screw through the center grommet. Furring channels are friction fitted into clips.
FUTEQ INC — Type GENIECLIP

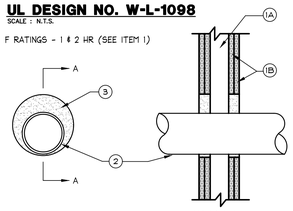
7D. **Steel Framing Members*** —

Reviewed for Code Compliance
With The Florida Building Code
ECS, Florida, LLC
24-8289
Building Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/29/2026
Electrical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Mechanical Review - Jeff Morrison PX3515 - Reviewed - 3/28/2026
Plumbing Review - Alfonso Zacour Otero AR91999 - Reviewed - 3/27/2026
Fire Review - Mike Hudkins - NA to Private Provider - 3/30/2026

UL DESIGN NO. W-L-1098

SCALE : N.T.S.

F RATINGS - 1 & 2 HR (SEE ITEM 1)



SECTION A-A

1. **WALL ASSEMBLY**- THE 1 OR 2 HR FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

   A. STUDS- WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNELS STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. O.C. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE AND SPACED MAX 24 IN. O.C.

   B. WALLBOARD, GYPSUM- THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IS 14-1/8 IN.

   THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. **THROUGH PENETRANTS**- ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN 3/8 IN. TO MAX 1 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED.

   A. STEEL PIPE
   B. IRON PIPE
   C. CONDUIT-NOMR 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT) OR STEEL CONDUIT. WHEN EMT OR STEEL CONDUIT IS USED T RATING IS 1/4 HR.
   D. COPPER TUBING
   E. COPPER PIPE

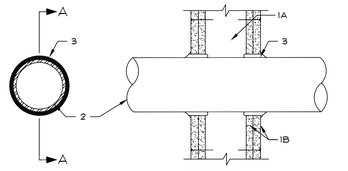
3. **FILL, VOID OR CAVITY MATERIAL#**- SEALANT-MIN 5/8 IN. AND 1-1/4 IN. THICKNESS OF FILL MATERIAL FOR 1 AND 2 HR RATED WALL ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL.

   FIRESTOP SYSTEMS, INC- 4800DN
\# BEARING THE U.L. CLASSIFICATION MARKING.

UL DESIGN NO. W-L-1001

SCALE : N.T.S.

(FORMERLY SYSTEM NO. 147)
F RATINGS -- 1, 2, 3 AND 4 HR (SEE ITEMS 2 AND 3)
T RATINGS -- 0, 1, 2, 3, AND 4 HR (SEE ITEM 3)
L RATING AT AMBIENT -- LESS THAN 1 CFM/SQ FT
L RATING AT 400 F -- LESS THAN 1 CFM/SQ FT



SECTION A-A

1. **WALL ASSEMBLY** - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

   A. **STUDS** WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 H FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN. OC.

   B. **GYPSUM BOARD #** NOM 1/2 OR 5/8 IN. THICK, 4 FT. WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 13-1/2 IN.

2. **PIPE OR CONDUIT** NOM 12 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE, NOM 12 IN. DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN. DIAM (OR SMALLER) CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE, NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT, NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING, NOM 6 IN. DIAM (OR SMALLER) TYPE L OR (OR HEAVIER) COPPER TUBING OR NOM 1 IN. DIAM (OR SMALLER) FLEXIBLE STEEL CONDUIT. WHEN COPPER PIPE IS USED, MAX F RATING OF FIRESTOP SYSTEM (ITEM 3) IS 2 H. STEEL PIPES OR CONDUITS LARGER THAN NOM 4 IN. DIAM MAY ONLY BE USED IN WALLS CONSTRUCTED USING STEEL CHANNEL STUDS. A MAX OF ONE PIPE OR CONDUIT IS PERMITTED IN THE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.

3. **FILL, VOID OR CAVITY MATERIAL #** -- CAULK. CAULK FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH A MIN 1/4 IN. DIAM BEAD OF CAULK APPLIED TO PERIMETER OF PIPE OR CONDUIT AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYYMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAX PIPE OR CONDUIT DIAM IN.	ANNULAR SPACE IN.	F RATING HR	T RATING HR
1	0 to 3/16	1 or 2	0+, 1 or 2
1	1/4 to 1/2	3 or 4	3 or 4
4	0 to 1-1/2	1 or 2	0
6	1/4 to 1/2	3 or 4	0
12	3/16 to 3/8	1 or 2	0

+WHEN COPPER PIPE IS USED, T RATING IS 0 H.
3M CO -- CP 25WB+.
#BEARING THE UL CLASSIFICATION MARK

STANDARD FIRE PENETRATION DETAILS ARE PROVIDED ON THIS SHEET AND IN MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. IF THE GENERAL CONTRACTOR OR HIS/HER SUBCONTRACTOR SHOULD ENCOUNTER A PENETRATION THRU A RATED ASSEMBLY THAT IS NOT EXPLICITLY ALLOWED BY THE DETAILS PROVIDED, IT SHALL BE UNDERSTOOD THAT THE GC SHALL NOTIFY THE ARCHITECT AND INFORM HIM OF THE CONDITION. AN APPROPRIATE UL ASSEMBLY WILL BE PROVIDED TO THE GC AND, ACCORDINGLY, TO THE BUILDING DEPARTMENT.

UL Product iQ™

BXUV.U415 - Fire-resistance Ratings - ANSI/UL 263

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 Certified 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 general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

See General Information for Fire-resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. U415

December 22, 2020

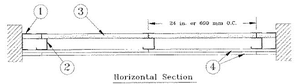
Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

System A — 1 Hr.

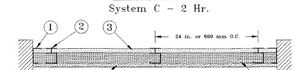
Horizontal Section

System B — 2 Hr.



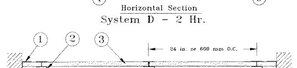
Horizontal Section

System C — 2 Hr.



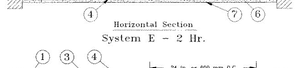
Horizontal Section

System D — 2 Hr.



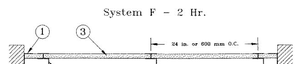
Horizontal Section

System E — 2 Hr.



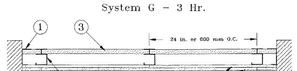
Horizontal Section

System F — 2 Hr.



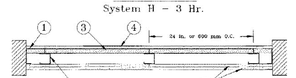
Horizontal Section

System G — 3 Hr.



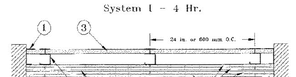
Horizontal Section

System H — 3 Hr.



Horizontal Section

System I — 4 Hr.



Horizontal Section

1. **Floor, Side and Ceiling Runners** — "I" - shaped runner, min 2-1/2 in. deep (min 4 in. deep when System C is used), with unequal legs of 1 in. and 2 in., fabricated from min 24 MSG (min 20 MSG when item 4A, 4B, 4C, 4D or 7 are used) galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. Runners to be same thickness as studs or runners in place of "J" - shaped runners.

2. **Steel Studs** — "C" - shaped studs, min 2-1/2 in. deep (min 4 in. deep when System C is used), formed from min 25 MSG (min 20 MSG when item 2D, 4A, 4B, 4C, 4D or 7 is used) galv steel. Cut to length 1/8 in. to 1/2 in. less than floor to ceiling height and spaced 24 in. or 600 mm OC (max 16 in. OC when items 4A, 4B, 4C, 4D or 7 are used).

2A. **Steel Studs** — (Not Shown) — "E" - shaped studs installed back to back in place of "C"-H" - shaped studs (item 2) "E" - shaped studs secured together with steel screws spaced a maximum 12 in. OC. Fabricated from min 25 MSG (min 20 MSG when item 2D, 4A, 4B or 7 is used) galv steel, min 2-1/2 in. deep (min 4 in. deep when System C is used), with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 to 1/2 in. less than floor to ceiling height.

2B. **Furring Channels** — (Optional, Not Shown) — For use with single or double layer systems. Resilient furring channels fabricated from min 25MSG corrosion protected steel, installed horizontally, and spaced vertically a max 24 in. OC. Flange portion of channel attached to each intersecting "C-H" or "E" stud on side of stud opposite the 1 in. liner panels with 1/2 in. long Type S or S-12 pan head steel screws. When furring channels are used, wallboard to be installed vertically only. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (items 4A-4D), or cementitious backer units (Item 7).

2C. **Furring Channels** — For use with System I - "Hat" - shaped, 25 MSG galv steel furring channels attached directly over the inner layers of wallboard to each stud with 2 in. long Type S pan head steel screws. Screws alternate from top flange to bottom flange at each stud intersection. Furring channels spaced vertically max 24 in. OC.

2D. **Steel Framing Members*** — (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (items 4A-4D), or cementitious backer units (Item 7).

a. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-9/16 in. or 2-21/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 4.

b. **Steel Framing Members*** — Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC., and secured to studs with No. 8 x 1 - 1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-23/32 in. wide furring channels. RSIC-1 clip for use with 2-21/32 in. wide furring channels.
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (C.79)

2E. **Steel Framing Members*** — (Optional, Not Shown) — Furring Channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (items 4A-4D), or cementitious backer units (Item 7).

a. **Furring Channels** — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.

b. **Steel Framing Members*** — Used to attach furring channels (Item 2Ea) to studs. Clips spaced 24 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips Type A237R

2F. **Steel Framing Members*** — (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (items 4A-4D), or cementitious backer units (Item 7).

a. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 3.

b. **Steel Framing Members*** — Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A.). Clips spaced max. 24 in. OC. GENIECLIPS secured to studs with No. 8 x 1 -1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.
PLITEQ INC — Type GENIECLIP

2G. **Steel Framing Members*** — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (items 4A-4D), or cementitious backer units (Item 7).

a. **Furring Channels** — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 2Gb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.

b. **Steel Framing Members*** — Used to attach furring channels (Item 2Ga) to studs. Clips spaced 24 in. OC., and secured to studs with No. 8 x 2- 1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
REGUPOL AMERICA — Type SonusClip

2H. **Steel Framing Members*** — (Optional, Not Shown) — Resilient channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (items 4A-4D), or cementitious backer units (Item 7).

a. **Resilient Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC. and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 4.

b. **Steel Framing Members*** — Used to attach resilient channels (Item 2Ha) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2- 1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan head self-drilling screw.
KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

2I. **Steel Framing Members*** — (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (items 4A-4D), or cementitious backer units (Item 7).

a. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-23/32 in. wide by 7/8 in. or 1-1/2 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 4.

b. **Steel Framing Members*** — Used to attach furring channels (Item 2Ia) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.
CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

3. **Gypsum Board*** — Gypsum liner panels, nom 1 in. thick, 24 in. or 600 mm (for metric spacing) wide. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "H" portion of "C-H" studs or the gap between the two 3/4 in. legs of the "E" studs. Free edge of end panels attached to long leg of vertical "J" - runners with 1-5/8 in. long Type S steel screws spaced not greater than 12 in. OC. When wall height exceeds liner panel length, liner panel may be butted to extend to the full height of the wall. Horizontal joints need not be backed by steel framing. In System I, butt joints in liner panels are staggered min 36 in. Butt joints backed with 6 in. by 22 in. strips of 3/4 in. thick gypsum wallboard (Item 4). Wallboard strips centered over butt joints and secured to liner panels with six 1- 1/2 in. long Type G steel screws, three screws along the 22 in. dimension at the top and bottom of the strips.
CGC INC — Type SLX

UNITED STATES GYPSUM CO — Type SLX

USG BORAL DRYWALL SYZ LLC — Type SLX

USG MEXICO S A DE C V — Type SLX

4. **Gypsum Board* —**

System A — 1 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. when installed vertically or 8 in OC when installed horizontally. Horizontal joints need not be backed by steel framing.
CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SHX, ULIX, ULSX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SGX, SHX, ULIX, ULSX, USGX, WRC, WRX

USG BORAL DRYWALL SYZ LLC — Types C, SCX, SGX, USGX

USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SHX, ULIX, USGX, WRC, WRX

System B — 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 1/2 in or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. OC when installed vertically or 8 in. OC when installed horizontally. Horizontal joints need not be backed by steel framing.
CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SHX, ULIX, ULSX, USGX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SGX, SHX, ULIX, ULSX, USGX, WRC, WRX

USG BORAL DRYWALL SYZ LLC — Types C, SCX, SGX, USGX

USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SHX, ULIX, USGX, WRC, WRX

System C — 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached directly to studs with 1 in. long Type S steel screws spaced 24 in. when installed vertically or 16 in. OC when installed horizontally. Horizontal joints need not be backed by steel framing. Requires face layer of 1/2 or 5/8 in. thick cementitious backer units per Item 7 and min 1-1/2 in. thick mineral wool batts per Item 6.
CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SHX, ULIX, USGX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SGX, SHX, ULIX, ULSX, USGX, WRC, WRX

USG BORAL DRYWALL SYZ LLC — Types C, SCX, SGX, USGX

USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SHX, ULIX, USGX, WRC, WRX

System D — 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached directly to studs with 1 in. long Type S steel screws spaced 24 in. when installed vertically or 16 in. OC when installed horizontally. Horizontal joints need not be backed by steel framing. Requires face layer of 1/2 or 5/8 in. thick cementitious backer units per Item 7 and min 1-1/2 in. thick mineral wool batts per Item 6.
CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SHX, ULIX, USGX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SGX, SHX, ULIX, ULSX, USGX, WRC, WRX

USG BORAL DRYWALL SYZ LLC — Types C, SCX, SGX, USGX

USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SHX, ULIX, USGX, WRC, WRX

System E — 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. OC when installed vertically or 8 in. when installed horizontally. Horizontal joints need not be backed by steel framing.
CGC INC — 1/2 in. Types C, IP-X2, IPC-AR, 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SHX, ULIX, USGX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO — 1/2 in Types C, IP-X2, IPC-AR; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SGX, SHX, ULIX, ULX, USGX, WRC, WRX.

USG BORAL DRYWALL SYZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, USGX

USG MEXICO S A DE C V — 1/2 in Types C, IP-X2, IPC-AR; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC, WRX

System F — 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in thick, 48 in. or 1200 mm wide, applied vertically in two layers. Inner or base layer attached to resilient furring channels (Item 2B) with 1- 5/8 in. long Type S steel screws spaced 12 in. OC and staggered 12 in from base layer screws. Joints between inner and outer layers staggered 24 in.
CGC INC — 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SHX, ULIX, USGX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO — 1/2 in Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCK, SGX, SHX, ULIX, ULX, USGX, WRC, WRX.

USG BORAL DRYWALL SYZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX

USG MEXICO S A DE C V — 1/2 in Types C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC, WRX

System G — 3 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally in three layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC when installed horizontally. Middle layer attached to studs with 1- 5/8 in. long Type S steel screws spaced 24 in. when installed vertically or 16 in. OC when installed horizontally. Outer or face layer attached to studs with 2 1/4 in. long Type S steel screws spaced 16 in. when installed vertically or 12 in. OC when installed horizontally. Screws offset 6 in. from layer below. Horizontal joints on adjacent layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in. on adjacent layers.
CGC INC — Types C, IP-X2, IPC-AR, ULIX, WRC

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type C

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR, ULIX, WRC

USG BORAL DRYWALL SYZ LLC — Type C

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR, WRC

System H — 3 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, two layers over the flange of the "C" section of the studs, one layer over the flange of the "H" section of the studs. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Face layer attached to studs with 1- 5/8 in. long Type S steel screws spaced 16 in. when installed vertically or 12 in. OC when installed horizontally. Screws offset 6 in. from layer below. Horizontal joints on adjacent layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in. on adjacent layers.
CGC INC — Types C, IP-X2, IPC-AR, ULIX, WRC

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type C

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR, ULIX, WRC

USG BORAL DRYWALL SYZ LLC — Type C

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR, WRC

System I — 4 Hr

Gypsum panels, with beveled, square or tapered edges, nom 3/4 in. thick, 4 ft wide (or 1200 mm for metric spacing) wallboard with square or tapered edges. Total of four layers to be used. First and second (inner) layers applied vertically or horizontally over the steel studs. Horizontal joints need not be backed by steel framing. When applied vertically, joints centered over studs and staggered min 24 in., otherwise all joints staggered min 12 in. First layer secured to studs with 1 1/4 in. long Type S self-drilling, self-tapping bugle head steel screws spaced 24 in. OC. Second layer secured to studs with 2 1/4 in. long Type S self-drilling, self-tapping bugle head steel screws. Third layer applied vertically over the furring channels (Item 2C) with a 1 1/2 in. long Type S self-drilling, self-tapping bugle head steel screws spaced 12 in. OC. Fourth layer applied vertically or horizontally with 2 1/4 in. long Type S self-drilling, self-tapping bugle head steel screws spaced 12 in. OC. When applied vertically, joints to be staggered min 24 in. from third layer, otherwise all joints staggered min 12 in.
CGC INC — Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SYZ LLC — Type ULTRACODE

USG MEXICO S A DE C V — Types IP-X3 or ULTRACODE

4A. **Gypsum Board* —** (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer. For direct attachment only) — Nom 5/8 in. or 1/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1, 2, 2A, 2B and 2D. 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. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 9) or Lead Discs or Tabs (see Item 10).
RAY-BAR ENGINEERING CORP — Type RB-LBG

4B. **Gypsum Board* —** (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer. 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 drilled) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Type Nelco

4C. **Gypsum Board* —** (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer. For direct attachment only) — Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1, 2, 2A, 2B and 2D. 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. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 9A) or Lead Discs (see Item 10A). 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.
MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4D. **Gypsum Board* —** (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer. 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 when installed vertically or 8 in. OC along the vertical edges and 12 in. OC in the field when installed horizontally. Horizontal joints need not be backed by steel framing. Screws offset 6 in. from layer below. Wallboard secured to studs with 1- 3/4 in. long Type S steel screws spaced 8 in. OC along vertical edges and 12 in. OC in the field when installed horizontally. Horizontal joints need not be backed by steel framing. Screws offset 6 in. from layer below. 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-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips must be butted to extend to full height of the wall. Horizontal joints need not be backed by steel framing. Screws offset 6 in. from layer below. 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 batten strips must be butted to extend to full height of the wall. Horizontal joints need not be backed by steel framing. In System I, butt joints in liner panels are staggered min 24 in. Butt joints