CONSTRUCTION DOCUMENTS
FOR

GLEN RIDGE SELF STORAGE
LOCATED IN

GLEN RIDGE, FLORIDA

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TO THE BEST OF THE ARCHITECTS KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE LATEST APPLICABLE MINIMUM BUILDING CODES AND APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTER 633, FLORIDA STATUTES.

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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10/18/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

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A0.0
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1 / A0.1 **SHEET INDEX**

PROJECT LOCATION

2 / A0.1 **PROJECT LOCATION MAP** — NORTH

PROJECT SITE

Southern Blvd
Southern Blvd
Southern Blvd

OCCUPANCY TYPE		CONSTRUCTION TYPE	COMPLIANCE	AUTOMATIC FIRE SPRINKLER SYSTEM	FIRE ALARM
S1	STORAGE - ORDINARY HAZARD	MIN. TYPE II-B	YES	YES	YES
ACCESSORY OCCUPANCY TYPE					
B	OFFICE (ACCESSORY TO S-1)	MIN. TYPE II-B	YES	YES	YES

CONSTRUCTION TYPE	BUILDING TYPE II-B (SM) SPRINKLERED - OCCUPANCY GROUP 'S1' W/ ACCESSORY 'B'				
ALLOWABLE BUILDING HEIGHT IN FEET (TABLE 504.3)	ALLOWABLE NUMBER OF STORIES (TABLE 504.4)	PROJECT STORIES ABOVE GRADE PLANE	ALLOWABLE AREA FACTOR IN SQ. FT. (A_a) (TABLE 506.2)	AREA INCREASE IN SQ. FT.	TOTAL ALLOWABLE AREA IN SQ. FT. (A_a)
(S1) 75 FEET	3	3	52,500 SF.	-	-

TABLE 506.3.3 FRONTAGE INCREASE FACTOR				
	OPEN SPACE			
PERCENTAGE (%) OF PERIMETER	Ø TO LESS THAN 20 FEET	20 TO LESS THAN 25 FEET	25 TO LESS THAN 30 FEET	30 FEET OR GREATER
a) ENTIRE BLDNG PERIMETER: 820'-8" FT. (100%. b) BUILDING PERIMETER FACING A MIN. DISTANCE OF 20' OF PUBLIC WAY OR OPEN SPACE: 605'-8" FT. OR 73.8%	Ø	Ø.33	Ø.42	Ø.50
75 TO 100				

ALLOWABLE AREA CALCULATION PER 2023 F.B.C. BUILDING, SEC. 506.2.4

S1 | B

Aa = [At + (NS x If)]
Aa = [52,500 + (17,500 x 0.50)]
Aa = 52,500 + 8,750
Aa = 61,250 SQ. FT. (ALLOWED)

Aa = [At + (NS x If)]
Aa = [69,000 + (23,000 x 0.50)]
Aa = 69,000 + 11,500
Aa = 80,500 SQ. FT. (ALLOWED)

ALLOWABLE AREA PER F.B.C. BUILDING, SEC. 508.4.2

GROUND FLOOR:
S1 29,553 S.F. / 61,250 S.F. = 0.482
B 757 S.F. / 80,500 S.F. = 0.009
0.491 < 1.0 K.

2ND FLOOR:
S1 30,635 S.F. / 61,250 S.F. = 0.500 < 1.0 K.

3RD FLOOR:
S1 31,375 S.F. / 61,250 S.F. = 0.512 < 1.0 K.

BUILDING AREA CALCULATIONS	SQUARE FEET (S.F.)
GROUND FL. BUILDING AREA	
SELF STORAGE (S1) PRIMARY	29,553 S.F.
SALES OFFICE (B) ACCESSORY	757 S.F.
GROSS BLDG. (STORAGE + OFFICE)	30,310 S.F.
COVERED LOADING (S1)	1,178 S.F.
SECOND FL. BUILDING AREA	
SELF STORAGE (S1)	30,635 S.F.
TOTAL SECOND FL. GROSS BLDG AREA	
THIRD FL. BUILDING AREA	
SELF STORAGE (S1)	31,375 S.F.
TOTAL GROSS BUILDING AREA:	92,320 S.F.

OCCUPANCY SEPARATIONS

F.B.C.-2023 BUILDING: OFFICE AREA TO SELF STORAGE

SECTION 508.2 ACCESSORY OCCUPANCIES. ACCESSORY OCCUPANCIES ARE THOSE OCCUPANCIES THAT ARE ANCILLARY TO THE MAIN OCCUPANCY OF THE BUILDING OR PORTION THEREOF. ACCESSORY OCCUPANCIES SHALL COMPLY WITH THE PROVISIONS OF SECTIONS 508.2.1 THROUGH 508.2.4

508.2.1 OCCUPANCY CLASSIFICATION.
ACCESSORY OCCUPANCIES SHALL BE INDIVIDUALLY CLASSIFIED IN ACCORDANCE WITH SECTION 302.1. THE REQUIREMENTS OF THIS CODE SHALL APPLY TO EACH PORTION OF THE BUILDING BASED ON THE OCCUPANCY CLASSIFICATION OF THAT SPACE.

SECTION 508.2.4 SEPARATION OF OCCUPANCIES. NO SEPARATION IS REQUIRED BETWEEN ACCESSORY OCCUPANCIES AND THE MAIN OCCUPANCY.

508.2.3 ALLOWABLE BUILDING AREA.
THE ALLOWABLE AREA OF THE BUILDING SHALL BE BASED ON THE APPLICABLE PROVISIONS OF SECTION 506 FOR THE MAIN OCCUPANCY OF THE BUILDING. AGGREGATE ACCESSORY OCCUPANCIES SHALL NOT OCCUPY MORE THAN 10 PERCENT OF THE FLOOR AREA OF THE STORY IN WHICH THEY ARE LOCATED AND SHALL NOT EXCEED THE TABULAR VALUES FOR NONSPRINKLERED BUILDINGS IN TABLE 506.2 FOR EACH SUCH ACCESSORY OCCUPANCY.

F.F.P.C. SECTION 6.1.14.1.3 WHERE INCIDENTAL TO ANOTHER OCCUPANCY, AREAS USED AS FOLLOWS SHALL BE PERMITTED TO BE CONSIDERED PART OF THE PREDOMINANT OCCUPANCY AND SHALL BE SUBJECT TO THE PROVISIONS OF THE CODE THAT APPLY TO THE PREDOMINANT OCCUPANCY.
(1) MERCANTILE, BUSINESS, INDUSTRIAL, OR STORAGE USE

TABLE 601

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS	TYPE II-B
PRIMARY STRUCTURAL FRAME	Ø HRS
BEARING WALLS EXTERIOR WALLS INTERIOR WALLS	Ø HRS Ø HRS
NON BEARING WALLS AND PARTITIONS EXTERIOR WALLS	Ø HOUR REQUIREMENT- SEE TABLE 602
NON BEARING WALLS AND PARTITIONS INTERIOR WALLS	Ø HRS
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	Ø HRS
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	Ø HRS

ADDITIONAL FIRE RESISTANCE REQUIREMENTS IN HRS
2 HR. SHAFT WALL FOR BDA & HVAC. (PER FBC, SEC. 707.3 & 713.4)
1 HR. BETWEEN BUILDING INTERIOR AND EXIT STAIRWELLS. (PER FBC SEC. 713.4 & 1023.2) ELEVATOR
1 HR. SHAFT. (PER FBC SEC. 707.3 & 713.4)
1 HR. ELEVATOR EQUIPMENT ROOM / CONTROLLER
Ø HR. OFFICE AND STORAGE (TABLE 508.2.4 SEPARATION OF OCCUPANCIES. SEE ABOVE)

EXTERIOR WALLS FIRE RESISTANCE RATINGS - STORAGE BLDNG (TYPE II-B CONSTRUCTION)					
ORIENTATION		SEPARATION	FBC TABLE 601	FBC TABLE 705.5 WALL RATING	MIN. REQUIRED
NORTH (DEDICATED ROW):	X ≥ 30'	60'-0" (R.O.W.)	NORTH: Ø-HR	Ø-HR.	Ø HR.
SOUTH:	X ≥ 30'	30'-0" TO P.L.	SOUTH: Ø-HR	Ø-HR.	Ø HR.
SOUTH:	X ≥ 30'	110'-0" TO P.L.	SOUTH: Ø-HR	Ø-HR.	Ø HR.
SOUTH:	10' ≤ X < 30'	15'-0" TO P.L.	SOUTH: Ø-HR	Ø-HR.	Ø HR.
EAST:	10' ≤ X < 30'	11'-0" TO P.L.	EAST: Ø-HR	Ø-HR.	Ø HR.
EAST:	10' ≤ X < 30'	12'-0" TO P.L.	EAST: Ø-HR	Ø-HR.	Ø HR.
WEST:	5' ≤ X < 10'	123-0" TO P.L.	WEST: Ø-HR	Ø-HR.	Ø HR.
WEST:	5' ≤ X < 10'	21-0" TO P.L.	WEST: Ø-HR	Ø-HR.	Ø HR.

MAX. AREA OF EXT. WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE & DEGREE OF OPENING PROTECTION PER TABLE 705.8				
FIRE SEPARATION DISTANCE (FEET)		DEGREE OF OPENING PROTECTION	ALLOWABLE AREA	PROVIDED AREA
NORTH SIDE:	30' OR GREATER	UNPROTECTED, SPRINKLERED (UP, S)	NO LIMIT	11%
SOUTH SIDE:	30' OR GREATER		NO LIMIT	1%
SOUTH SIDE:	30' OR GREATER		NO LIMIT	NO OPENINGS
SOUTH SIDE:	15' OR LESS THAN 20'		15%	NO OPENINGS
EAST SIDE:	10' TO LESS THAN 15'		45%	2%
EAST SIDE:	10' TO LESS THAN 15'		45%	NO OPENINGS
WEST SIDE:	30' OR GREATER		NO LIMIT	19%
WEST SIDE:	20' OR LESS THAN 25'		NO LIMIT	NO OPENINGS

NOTE: PER 2023 FBC, SEC. 705.8.1 ALLOWABLE AREA OF OPENINGS.

THE MAXIMUM AREA OF UNPROTECTED AND PROTECTED OPENINGS PERMITTED IN AN EXTERIOR WALL IN ANY STORY OF A BUILDING SHALL NOT EXCEED THE PERCENTAGES SPECIFIED IN TABLE 705.8.

OCCUPANT LOAD CALCULATION PER 2020 FBC-BUILDING & 2020 FFPC, 7TH EDITION ; FOR LIFE SAFETY & PLUMBING FIXTURE COUNT						
GROUND FLOOR PLAN	NOTE: (*) ASTERISK DENOTES MOST STRINGENT CODE USED IN CALCULATIONS					
FUNCTION OF SPACE	GROUP	2020 FBC OCCUPANT LOAD FACTOR (SQ. FT.) (G) GROSS / (N) NET	2020 FFPC OCCUPANT LOAD FACTOR (SQ. FT.) (G) GROSS / (N) NET	SQ. FT.	OCCUPANT LOAD PER 2020 FBC	OCCUPANT LOAD PER 2020 FFPC
STORAGE USE	S1	300 (G) *	N/A	29,031	96	N/A
OFFICE (ACCESSORY USE)	B	150 (G) *	150 (G)	701	4	4
			TOTAL GROUND FLOOR OCCUPANCY LOAD		100 *	4
2ND FLOOR PLAN						
STORAGE USE	S1	300 (G) *	N/A	30,080	100	N/A
			TOTAL 2ND FLOOR OCCUPANCY LOAD		100 *	N/A
3RD FLOOR PLAN						
STORAGE USE	S1	300 (G) *	N/A	30,810	100	N/A
			TOTAL 3RD FLOOR OCCUPANCY LOAD		100 *	N/A
GROSS BUILDING FLOOR AREA FOR PLUMBING FIXTURE & OCCUPANCY LOAD CALCULATION				90,622	300 *	4

1 A1.0 OCCUPANT LOAD CALCULATIONS

NOTE: THE ABOVE OCCUPANT LOAD CALCULATION IS BASED ON THE DEFINITION OF FLOOR AREA, GROSS AS PER THE 2023 F.B.C.-BUILDING, 8TH EDITION, CHAPTER 2 - DEFINITIONS.

2020 F.B.C. - PLUMBING, TABLE 403.1, PLUMBING FIXTURES REQUIREMENTS												
OCCUPANCY	REQUIRED						PROVIDED					
	WATER CLOSETS/ URINALS		LAVATORIES		DRINKING FOUNTAIN	SERVICE SINK	WATER CLOSETS/ URINALS		LAVATORIES		DRINKING FOUNTAIN	SERVICE SINK
300 OCCUPANTS	MALE	FEMALE	MALE	FEMALE			MALE	FEMALE	MALE	FEMALE		
S-1	1 / 100		1 / 100		1 / 1000	1					(HIGH & LOW UNITS)	
	2	2	2	2	1	1	4	4	4	4	4	1
F.B.C., PLUMBING, SECTION 410.2 SMALL OCCUPANCIES: DRINKING FOUNTAINS SHALL NOT BE REQUIRED FOR AN OCCUPANT LOAD OF (15) OR FEWER. F.B.C., PLUMBING TABLE 403.1 (e,h) FOR BUSINESS AND MERCANTILE OCCUPANCIES WITH AN OCCUPANT LOAD OF (15) OR FEWER, SERVICE SINKS SHALL NOT BE REQUIRED.												

NOTE: REFER TO OCCUPANCY LOAD CALCULATION PER 2023 F.B.C., BUILDING ABOVE

2 A1.0 PLUMBING FIXTURE CALCULATIONS

NOA INDEX	NOA / PRODUCT APP. #
TPO ROOFING SYSTEM	FL# 16758-R35
YKK STOREFRONT SYSTEM	FL# 14218-R13
YKK STOREFRONT DOOR	FL# 16554-R13
STEEL METAL DOORS	N.O.A.: 23-0821.18
AUTO SLIDING ENTRY DOOR	N.O.A.: 22-1207.03
ROOF HATCH (STEEL)	N.O.A.: 20-1124.24
ALUMINUM A/C STANDS	N.O.A.: 20-1013.03
ALUMINUM HORIZONTAL LOUVERS	N.O.A.: 23-0713.06
WALL STEEL CONDENSER BRACKET	N.O.A.: 24-0411.04
NOTE: G.C. TO PROVIDE NOA/PRODUCT APP. SUBMITTALS FOR REVIEW BY AOR & EOR PRIOR TO PURCHASE AND INSTALLATION	

3 A1.0 NOA'S & PRODUCT APPROVAL LIST

Project: GLEN RIDGE SELF STORAGE - SELF STORAGE
23-053

Update: 4/12/2024

Unit Size +/-	Dimension	Floor Ground	Floor 2nd	Floor 3rd	Total units	Total SF	Percent of Units
25	5x5	31	26	23	80	2000	12%
37	5x7.5	1	1	3	5	185	1%
50	10x5	19	46	36	101	5050	15%
62	5x12.5	0	0	1	1	62	0%
75	10x7.5	7	5	51	63	4725	9%
75	5x15	0	1	0	1	75	0%
100	10x10	75	78	73	226	22600	33%
125	10x12.5	4	2	7	13	1625	2%
150	10x15	39	61	47	147	22050	21%
200	10x20	21	15	8	44	8800	6%
225	15x15	0	1	0	1	225	0%
250	10x25	8	0	1	9	2250	1%
Sub total		**205**	**236**	**250**	**691**	**69,647**	100%

Number of Floors: 3 Ea

Gross Area Ground	30,310	SF
Gross Area 2nd	30,635	SF
Gross Area 3rd	31,375	SF
Total Gross Area	**92,320**	**SF**

Total Gross Area:	92,320
Adj Gross Deduct	2,965
Total Net Unit Area:	69,647
Building Efficiency:	75%
Gross Building Efficien	78%
Average Unit Size:	100.79

Floor	Office	Toliet Room	Elevator & MR	Stairs	ER, FP, Jan	Total Adj SF
Adj. Ground	700	110	185	400	300	1,695
Adj. 2nd	0	100	185	400	0	685
Adj 3rd	0	0	185	400	0	585
Total	700	210	555	1,200	300	2,965

4 A1.0 UNIT MIX CHART

A.D.A UNIT MIX CALCULATION			
UNIT DIMENSIONS (FT.)	1ST FLOOR NO. (#) ADA UNITS	2ND FLOOR NO. (#) ADA UNITS	3RD FLOOR NO. (#) ADA UNITS
5'x5'	1	1	1
5'x7.5'	1	Ø	Ø
10'x5'	1	1	1
5'x12.5'	Ø	Ø	Ø
10'x7.5'	1	Ø	Ø
5'x15'	Ø	Ø	Ø
10'x10'	1	1	1
10'x12.5'	Ø	Ø	Ø
10'x15'	1	1	1
10'x20'	1	1	1
15'x15'	Ø	1	Ø
10'x25'	1	Ø	1
TOTAL A.D.A UNITS	8	6	6

TOTAL A.D.A UNITS =(10 UNITS PLUS 2% OF THE TOTAL UNITS OVER 200)

(691-200=491) (632 x .02=9.82) (10 + 9.82 = 19.82) (20) UNITS
NOTE: REFER TO PLANS FOR LOCATION OF A.D.A UNITS

DISCLAIMER: THE PURPOSE OF THIS UNIT MIX CALCULATION IS TO DEMONSTRATE COMPLIANCE WITH THE 2020 F.B.C., ACCESSIBILITY ONLY. OWNER/ OPERATOR SHALL COORDINATE AND VERIFY FINAL UNIT SIZES AND QUANTITIES AGAINST SHOP DRAWINGS AND NOTIFY THE A.O.R. IN CASE OF ANY CHANGES PRIOR TO START FABRICATION

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

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GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

Revisions:

DRAWN BY: FB/GJ
CHECKED BY: KRC
DATE: 10/16/2023
SCALE: AS NOTED
PROJECT #: 23253
CAD DWG FILE: A1.0

10/18/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

SHEET OF
A1.0
PAGE OF

100 GENERAL CONDITIONS:

A. TRADE NAMES ARE SPECIFIED TO ESTABLISH A MINIMUM STANDARD OF QUALITY; EQUIVALENT PRODUCTS MAY BE ACCEPTED SUBJECT TO DEVELOPERS APPROVAL.
B. WHERE THE CONTRACTOR WISHES TO MODIFY ANY CONSTRUCTION DETAILS, MATERIALS, OR PROCEDURES, HE SHALL SUBMIT SHOP DRAWINGS FOR A/E APPROVAL PRIOR TO PROCEEDING W/ WORK OR PLACING PURCHASE ORDERS.
C. IF THERE IS A DISCREPANCY BETWEEN ARCHITECTURAL AND ENGINEERING SPECIFICATIONS OR DRAWINGS, THEN ENGINEERING SHALL BE FOLLOWED UNLESS ARCHITECTURAL DESIGN IS AFFECTED. THEN CONTACT ARCHITECT AND ENGINEER IN ALL CASES OF DISCREPANCY, CONTACT ARCHITECT IN WRITING FOR DIRECTION.
D. ELEVATIONS EXPRESSED IN DECIMAL FEET REFER TO NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.) ELEVATIONS EXPRESSED IN FEET AND INCHES REFER TO BUILDING RELATIVE ELEVATIONS WHERE 0'-0" = TOP OF CONCRETE FLOOR SLAB = NOMINAL FINISHED FLOOR. REFER TO CIVIL DRAWINGS FOR ALL HORIZONTAL CONTROLS AND EXPRESSION OF DATUM (N.G.V.D.)
E. TOLERANCES SHALL BE PUBLISHED INDUSTRY STANDARDS.
F. FOR SPECIAL CONDITIONS AND ENGINEERING SPECIFICATIONS, SEE ENGINEERING DRAWINGS.
G. ALL DIMENSIONS ARE BASED ON AVAILABLE DRAWINGS AND AS SUCH, ALL DIMENSIONS MUST BE CONSIDERED APPROXIMATE. FIELD VERIFICATION AND COORDINATION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
H. CONTRACTOR SHALL ADJUST WALL LOCATIONS SLIGHTLY TO ACCOMMODATE PLANNED MODIFICATIONS AS MAY BE NECESSARY AT EACH FLOOR.
J. CONTRACTOR SHALL FIELD VERIFY AND MEASURE ALL SPECIALTY AND SPECIAL ORDER ITEMS TO VERIFY PROPER QUANTITIES, SIZES, ETC. PRIOR TO ORDERING MATERIALS OR SERVICES.
K. CONTRACTOR SHALL PROVIDE QUANTITY TAKEOFFS TO OWNER WITH ALL BID PROPOSALS FOR BUY OUT ITEMS LISTED IN THESE DRAWINGS. SEE FINISH SCHEDULE FOR LISTING. ALL TAKEOFFS SHALL BE QUALIFIED BY FIELD VERIFICATION OF EXISTING CONDITIONS AND MEASUREMENTS AS MAY BE REQUIRED.
L. THE DESIGN DRAWINGS ARE BASED ON THE BEST AVAILABLE INFORMATION. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD INVESTIGATION AND VERIFICATION OF EXISTING CONDITIONS. ALL WORK SHOWN ON THE DRAWINGS SHALL INCLUDE ALL MATERIALS AND LABOR AS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION.
G. CONTRACT DOCUMENTS, AND SUBSEQUENT REVISIONS AND ADDENDA ARE CONSIDERED A SINGULAR UNIT AND AS SUCH THE ENTIRE DRAWING SET ALONG WITH THE DISTRIBUTED ADDENDA SHALL BE PROVIDED TO EACH SUB-CONTRACTOR AT THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
H. ANY MATERIALS OR LABOR, NEITHER SHOWN ON THE DRAWINGS NOR SPECIFIED, BUT WHICH ARE NECESSARY TO COMPLETE THE WORK OF A SIMILAR NATURE SHALL BE FURNISHED WITHOUT ADDITIONAL COST.
P. THE DRAWINGS AND SPECIFICATIONS ARE COMPLIMENTARY. INFORMATION SHOWN ON THE DRAWINGS BUT NOT DESCRIBED IN THE SPECIFICATIONS, OR INFORMATION DESCRIBED IN THE SPECIFICATIONS BUT NOT SHOWN ON THE DRAWINGS SHALL BE CONSIDERED WITHIN THE SCOPE OF WORK. IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THAT WHICH IS MORE STRINGENT SHALL APPLY.
Q. ANY MATERIALS OR LABOR NEITHER SHOWN ON THE DRAWINGS NOR SPECIFIED, BUT WHICH ARE NECESSARY TO COMPLETE THE WORK OF A SIMILAR NATURE SHALL BE FURNISHED WITHOUT ADDITIONAL COST BY THE CONTRACTOR.
R. CONTRACTOR TO PROVIDE FINAL WATER AND SEWER CERTIFICATE TO OWNER WITHIN 5 DAYS OF RECEIPT.
S. CONTRACTOR TO PROVIDE TIE IN SURVEY, FORM BOARD SURVEY, TOPOGRAPHICAL SURVEY, FINAL ELEVATION CERTIFICATE TO OWNER WITHIN 5 DAYS OF RECEIPT EACH.
T. CONTRACTOR SHALL PROVIDE TEMPORARY POWER FOR CONSTRUCTION USE AT CONTRACTORS EXPENSE FOR DURATION OF CONSTRUCTION.
(IE GENERATOR OR TEMP. CONSTRUCTION POWER BY F.P.L.) USE OF TEMPORARY POWER THROUGH METERED ELECTRICITY TO SITE SHALL BE AT CONTRACTORS EXPENSE UNTILL OWNER ACCEPTS BUILDING FOR HIS/HER USE.
A CERTIFICATE OF SUBMITTAL COMPLETION SHALL NOT BE DEEMED ACCEPTED BY OWNER.
U. CONTRACTOR SHALL INCLUDE AND BE RESPONSIBLE FOR ALL MEANS AND METHODS OF STAGING ROAD SHUT DOWN AND INCLUDE IN BASE PRICE OF CONTRACT, INCLUDING UTILITY SHUT DOWN, MOVEMENT OF TRAFFIC CO-ORDINATION PERMITS WITH CITY AND ON SITE CO-ORDINATION, ITEMIZE IN LINE ITEM.
V. CONTRACTOR SHALL INCLUDE AND BE RESPONSIBLE FOR ANY AND ALL CRANE, HI-LIFT, SCISSOR LIFTS AND SIMILAR TYPE EQUIPMENT INCLUDING ANY RIGGING OR WORKING PLATFORMS IN BASE PRICE. ITEMIZE IN LINE ITEM.

101 ABBREVIATIONS

ACT	ACOUSTIC CEILING TILE	MO	MASONRY OPENING
A/E	ARCHITECT AND/OR ENGINEER	MR	MOISTURE RESISTANT
AFC	ABOVE FINISHED CEILING	NA	NOT APPLICABLE
AFF	ABOVE FINISHED FLOOR	NIC	NOT IN CONTRACT
BFC	BELOW FINISHED CEILING	PIV	POST INDICATOR VALVE
BO	BY OWNER	PP	POWER POLE
FBC	FLORIDA BUILDING CODE	RCP	REFLECTED CEILING PLAN
FF	FINISHED FLOOR	FBC	FLORIDA BUILDING CODE
FH	FIRE HYDRANT	SCO	SANITARY CLEAN OUT
FM	FACTORY MUTUAL	SMH	SANITARY MANHOLE
GA	GYPSUM ASSOCIATION	UNO	UNLESS NOTED OTHERWISE
GWB	GYPSUM WALL BOARD	VB	VAPOR BARRIER
HB	HOSE BIBB	RD	ROOF DRAIN
KO	KNOCKOUT OPENING	OD	EMERGENCY OVERFLOW DRAIN

107 TEMPORARY FACILITIES:

A. TEMPORARY ELECTRICAL SHALL BE PROVIDED BY THE ELECTRICAL SUB-CONTRACTOR WITHIN 10 DAYS OF COMMENCEMENT AS PART OF GENERAL CONTRACTOR.
B. TEMPORARY WATER SHALL BE PROVIDED BY THE PLUMBING SUBCONTRACTOR WITHIN 10 DAYS OF COMMENCEMENT AS PART OF GENERAL CONTRACTOR.
C. TEMPORARY TOILETS SHALL BE PROVIDED BY GENERAL CONTRACTOR, AND INCLUDED IN THE GENERAL CONTRACT.

109 ARCHITECTURAL/ENGINEERING/PLANS/TESTS:

A. SHOP DRAWINGS SHALL BE SUBMITTED TO THE GENERAL CONTRACTOR FOR HIS REVIEW AND APPROVAL FIRST, THEN ARCHITECT'S REVIEW AND BUILDING DEPARTMENT REVIEW. FABRICATION SHALL NOT BEGIN UNTIL APPROVED BY THE GEN. CONTRACTOR. INCLUDE ORIGINATOR'S NAME, JOB NAME, AND SPACE FOR REVIEW STAMPS. PROVIDE MINIMUM FIVE (5) PRINTS OR REPRODUCABLE SHOP DRAWINGS SHALL BE PROVIDED FOR THE FOLLOWING ITEMS: DOORS AND HOLLOW METAL FRAMES, FINISH HARDWARE, A/C SYSTEM AND DUCTWORK, SPRINKLER SYSTEM, FIRE SPRINKLER SYSTEM, FIRE ALARM SYSTEM ALL STRUCTURAL COMPONENTS, MEP COMPONENTS, GLAZING, ROOF SYSTEM, SPECIALTY ITEMS, FINISHES, CONCRETE MIX DESIGN ETC.,
B. TESTING LAB AND SCHEDULE OF TEST SHALL BE ARRANGED BY THE CONTRACTOR, SUBJECT TO THE ENGINEER'S APPROVAL, PAYMENT BY OWNER.
C. CONTRACTOR TO PROVIDE ITEMIZED LIST OF SPECIAL TESTING AS ALLOWANCE TO OWNER AT TIME OF BID.

110 SAFETY AND FIRST AID:

A. EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY AND WELL BEING OF HIS EMPLOYEES, AND HIS WORK SHALL BE KEPT SAFE TO VISITORS AND OTHER JOB SITE WORKERS. HE SHALL INITIATE AND MAINTAIN ALL SAFETY PROGRAMS, INCLUDING THAT AS GOVERNED BY O.S.H.A.

112 CLEANUP AND TRASH REMOVAL:

A. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR KEEPING A SAFE CLEAN WORKING ENVIRONMENT.
B. ALL CONSTRUCTION DEBRIS AND TRASH SHALL BE STORED IN ARCHITECT'S APPROVED CONTAINERS AND REMOVED FROM THE SITE ON A REGULAR BASIS.

115 PERMITS:

A. ALL BUILDING PERMITS, OTHER PERMITS, AND FEES SHALL BE OBTAINED AND PAID BY THE OWNER AND/OR CONTRACTOR.

117 INSURANCE:

A. EACH SUBCONTRACTOR SHALL CARRY AN "INSTALLMENT FLOATER" INSURANCE POLICY. THE SUBCONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF HIS MATERIALS AND EQUIPMENT.
B. EACH SUBCONTRACTOR SHALL PROVIDE FULLY COMPLETED CERTIFICATES OF INSURANCE WITH AT LEAST TEN (10) DAYS WRITTEN NOTICE OF CANCELLATION.
C. EACH SUBCONTRACTOR SHALL HAVE WORKMEN'S COMPENSATION INSURANCE IN ACCORDANCE WITH THE LAWS OF FLORIDA.
D. EACH SUBCONTRACTOR SHALL HAVE SINGLE LIMIT LIABILITY INSURANCE, NOT LESS THAN SPECIFIED BY OWNER'S INSURANCE AGENT.

130 CODES:

A. ALL WORK SHALL COMPLY WITH THE CODES LISTED BELOW:
   a. FLORIDA BUILDING CODE (FBC) 2023 8TH EDITION
   b. FLORIDA FIRE PREVENTION CODE (FFPC) 2020 8TH EDITION
   c. NFPA 1 FIRE CODE 2018 EDITION
   d. NFPA 101 LIFE SAFETY CODE 2018 EDITION
   e. NFPA 72 NATIONAL FIRE ALARM CODE 2016 EDITION
   f. NFPA 70 NATIONAL ELECTRICAL CODE 2011 EDITION
   g. MIAMI DADE COUNTY CODES, ORDINANCES AND ADDENDA.
   h. CITY OF BRADENTON BUILDING AND ZONING CODES, ORDINANCES AND AMENDMENTS
   i. THIS PROJECT HAS BEEN DESIGN IN COMPLIANCE W ITH NFPA 20 2016 EDITION
B. BUILDING IS MIN. TYPE II-A CONSTRUCTION AND WILL BE A SINGLE OCCUPANCY, MULTI-STORY GROUP "S" SELF-STORAGE USE AS MODERATE HAZARD OCCUPANCY WITH AN ACCESSORY USE, GROUP "B" (BUSINESS) PROTECTED WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM, AND FIRE ALARM THROUGHOUT.
C. ALL CONSTRUCTION, DEMOLITION, AND ALTERATION TO COMPLY WITH NFPA 241

170 SHOP DRAWINGS AND AS-BUILT DRAWINGS:

A. ALL SHOP DRAWINGS SHALL BE SUBMITTED TO THE GENERAL CONTRACTOR FOR HIS REVIEW AND APPROVAL FIRST, THEN ARCHITECT'S REVIEW AND BUILDING DEPARTMENT REVIEW. FABRICATION SHALL NOT BEGIN UNTIL APPROVED BY THE GENERAL CONTRACTOR AND OWNER. INCLUDE ORIGINATOR'S NAME, JOB NAME, AND SPACE FOR REVIEW STAMPS. PROVIDE MINIMUM FIVE (5) COPIES OR REPRODUCABLE.
B. AS-BUILT PRINTS SHALL BE CONTINUOUSLY DOCUMENTED BY SUB-CONTRACTORS AND DELIVERED TO THE OWNER AT COMPLETION OF THEIR CONTRACT WORK.

200 SITE WORK:

A. SEE ENGINEERING DRAWINGS FOR ADDITIONAL SPECIFICATIONS.
B. FOR SITE GRADES, SEE ENGINEERING DRAWINGS.
C. SOIL PREPARATION SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECS. TO BE ANNOUNCED BY SOILS ENGINEER OR AS STRUCTURAL ENGINEER.
D. FINAL TESTING SERVICES FOR BEARING PAD PREPARATION SHALL BE ARRANGED BY CONTRACTOR CONTINGENT ON APPROVAL BY OWNER. SITE PREPARATION SHALL PROVIDE DESIGN BEARING CAPACITY, MINIMUM, OR AS NOTED ON STRUCTURAL DRAWINGS, AND BE SUBSTANTIATED BY TESTS. NOTICE MAY NOT PROCEED UNTIL WRITTEN CERTIFICATE IS PROVIDED BY AN A/E APPROVED TESTING LAB.

205 SOIL POISONING:

A. THE ENTIRE BUILDING PERIMETER, ELECTRICAL CONDUITS AND PENETRATIONS, AND TOP OF FILL FOR SLAB SHALL BE TREATED BY A QUALIFIED PEST CONTROL TECHNICIAN. PROVIDE TO THE OWNER A CERTIFICATE OF COMPLETION, W/ WARRANTY. ALL TREATMENTS SHALL BE APPLIED ACCORDING TO THE RULES OF THE FLORIDA DEPARTMENT OF AGRICULTURE & CONSUMER AFFAIRS AND FLORIDA STATUTES CH. 482 PEST CONTROL ACT.

205 SOIL POISONING: (CONTINUED)

B. SHALL BE DONE TO COMPLY WITH FLORIDA STATUTES
   MONOLITHIC SLAB CONSTRUCTION:
   • OVERALL TREATMENT UNDER SLAB
     1 GALLON PER 10 SQUARE FEET OF FILL DIRT
   • ELECTRICAL CONDUITS & PIPE PENETRATIONS
     4 GALLONS PER 10 LINEAR FEET PER FOOT OF DEPTH TO FOOTER
   • OUTSIDE THE FOUNDATION WALLS (AFTER FINAL GRADE & LANDSCAPING)
     4 GALLONS PER 10 LINEAR FEET PER FOOT OF DEPTH TO FOOTER
   FLOATING SLAB/STEM WALL CONSTRUCTION:
   • OVERALL TREATMENT UNDER SLAB
     1 GALLON PER 10 SQUARE FEET OF FILL DIRT
   • INSIDE THE FOUNDATION WALLS, ELEC. CONDUITS & PIPE PENETRATIONS
     4 GALLONS PER 10 LINEAR FEET PER FOOT OF DEPTH TO FOOTER
   • HOLLOW BLOCK FOUNDATION WALLS
     7 GALLONS PER 10 LINEAR FEET PER FOOT OF DEPTH TO FOOTER
   • OUTSIDE THE FOUNDATION WALLS (AFTER FINAL GRADE & LANDSCAPING)
     4 GALLONS PER 10 LINEAR FEET PER FOOT OF DEPTH TO FOOTER
   • TERMITICIDE CHLORTYRIFOS PRO
   • RATE = 5 % DILUTION
C. ANY AREAS DISTURBED FOLLOWING TREATMENT MUST BE RETREATED.
D. ALL PRE-TREAT APPLICATIONS ARE TO BE FULLY DOCUMENTED.

208 LANDSCAPE:

A. SEE LANDSCAPE PLAN FOR LANDSCAPING.

210 IRRIGATION:

A. PROVIDE AN A/E APPROVED SYSTEM THAT WILL AUTOMATICALLY IRRIGATE ALL PLANT MATERIALS WITHIN THE SITE, INCLUDING RAIN SENSOR CUT OFF DEVICE. SEE ADDITIONAL REQUIREMENTS CONTAINED ON LANDSCAPE PLANS.
B. PROVIDE 100% COVERAGE FOR ALL MATERIALS.

220 CIVIL SITE WORK:

A. FOR CIVIL SPECIFICATIONS SEE CIVIL DRAWINGS.

300 CONCRETE:

A. FOR VAPOR BARRIER, SEE SPEC #130
B. REINFORCED CONCRETE: REFER TO STRUCTURAL PLANS & SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C. SIDEWALKS AND RAMPS SHALL BE 4" MINIMUM THICKNESS, REINFORCED CONCRETE WITH CRACK CONTROL JOINTS AT 25' MAXIMUM AND PROVIDE LIGHT BROOM FINISH. USE 6"x6"/14x14 W.W.F. U.N.O.
D. EXPOSED CONCRETE SURFACES SHALL BE FREE OF HONEYCOMB, SPALLING, CRACKS AND UNSIGHTLY IMPERFECTIONS.
E. DO NOT EMBED ALUMINUM IN CONCRETE.
F. EXPOSED CONCRETE SHALL HAVE 3/4" CHAMFERS.
G. GROUT FOR ALUMINUM POSTS SHALL NOT BE CEMENTITIOUS.

400 CONCRETE MASONRY UNITS:

A. USE 8" SMOOTH FACE BLOCK, AS MANUFACTURED BY TARMAC OR A/E APPROVED EQUAL. PROVIDE REQUIRED SPECIAL SHAPES FOR A COMPLETE INSTALLATION. SUBMIT SAMPLES FOR A/E APPROVAL.
B. CMU SHALL COMPLY WITH ASTM C-90 GRADE 'N' AND ALL SPECIFICATIONS SHOWN ON THE STRUCTURAL DRAWINGS.
C. TO CREATE A WATERTIGHT CONDITION, LAY CMU'S UNIFORMLY MAINTAINING A FULL BED OF MORTAR AND WITH FULL HEAD JOINTS. ALLOW SUFFICIENT TIME FOR THE MORTAR TO TAKE INITIAL SET BEFORE CUTTING OFF EXCESS MORTAR. CAREFULLY RUB AND BRUSH MORTAR JOINTS AND ENTIRE MASONRY WALL TO REMOVE LOOSE OR DRY MORTAR, SPLATTERS, AND TO BLEND THE JOINTS.
D. PROVIDE TRUSS TYPE DUROWALL EVERY OTHER COURSE AT ALL MASONRY WALLS.
E. PROVIDE DOVE TAIL ANCHORS EVERY SECOND COURSE WHEN MASONRY IS PLACED AFTER STRUCTURAL FRAME.

500 METALS:

A. EXPOSED FERROUS METAL AT EXTERIOR SHELL, SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION: INSIDE ELECTROPLATING MAY BE USED (TYPICAL U.N.O.)
B. DOOR FRAMES - SEE SPEC #800.
C. FLASHING SHALL BE 24 GAUGE ELECTRO-GALVANIZED STEEL OR ALUMINUM.

501 STRUCTURAL STEEL:

A. USE MINIMUM SPECIFICATION ON STRUCTURAL DRAWINGS.
B. SEE ENGINEERING DRAWINGS FOR ADDITIONAL SPECS.
C. BOLTS SHALL BE 1/2" GALVANIZED A307, U.N.O.
D. METAL DECKING SHALL BE WHEELING TYPE B/BW, 22 GAGE, GALVANIZED NON PERFORATED, WITHOUT ACOUSTIC INSULATION. COMPLY WITH FBC UNLESS SPECIFIED OTHERWISE BY STRUCTURAL ENGINEER.
E. ANCHORS SHALL BE 1/2" GALVANIZED WEDGE TYPE ANCHORS BY PHILLIPS REDHEAD OR APPROVED EQUAL, U.N.O.
F. PROVIDE ONE (1) SHOP COAT OF PRIMER ON ALL FERROUS METAL, AFTER FABRICATION, UNLESS GALVANIZED, OR EMBEDDED IN CONCRETE.
G. THE ROOF STRUCTURE AND FLOOR STRUCTURE SHALL BE AN ENGINEERED SYSTEM WITH UL DESIGNED FIRE RATED PROTECTION AS REQUIRED, CROSS VERIFY SYSTEM REQUIREMENTS FOR APPLICATION OF FIRE PROTECTION ON PRIMED AND UNPRIMED STEEL.

600 WOOD, CARPENTRY, MILLWORK, TRUSSES & PLASTIC:

A. WOOD IN CONTACT WITH CONCRETE, MASONRY, SOIL, EXTERIOR OR HUMID CONDITIONS SHALL BE PRESSURE TREATED.
B. WOOD ROOF TRUSSES SHALL BE PRE-ENGINEERED AND PRE-MANUFACTURED. PROVIDE SHOP DRAWINGS SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER TO THE GENERAL CONTRACTOR FOR REVIEW. SEE SPEC #170.
C. PROVIDE SHOP DRAWINGS FOR ALL CABINET WORK AND CASE WORK
D. SEE ALSO SPECIFICATION #900

700 THERMAL AND MOISTURE PROTECTION:

A. STANDARD ROOF INSULATION SHALL BE RIGID INSULATION.
B. MEMBRANE SHALL BE AS STATED BELOW OR ON THE ROOF PLAN.
B. INTERIOR WALL INSULATION SHALL BE FIBERGLASS BATT INSULATION, R11 MIN. FOR TENANT SEPARATION WALLS.
C. EXTERIOR WALL INSULATION SHALL BE BATT, OR BLOWN ON INSULATION
D. ROOFING MATERIAL SHALL HAVE 25 MAXIMUM FLAME SPREAD AND COMPLY WITH CLASS A/B ROOFING.
E. PROVIDE CUT SHEETS / SHOP DRAWINGS OF FASTENERS AND INSULATION FOR A/E REVIEW OF ROOF INSTALLATION SYSTEM.
F. HORIZONTAL, ELEVATED CONCRETE INCLUDING CONCRETE EYEBROWS, ENTRY CANOPY SHALL RECEIVE 2 COATS "TEX-COTE RAIN STOPPER 140" ON APPROVE SURFACE PREPARATION.

702 ROOFING

A. R-19 INSULATION SYSTEM ROOFING CONSISTING OF INSULATED LIGHTWEIGHT CONCRETE ON STEEL DECK WITH A 60 MIL WHITE TPO SINGLE-PLY ROOFING. SEE ROOF PLAN FOR ADDITIONAL INFORMATION.
B. FLASHING, DOUNSPOUTS AND PITCH PANS SHALL BE INCLUDED IN ROOFING. FLASHING SHALL BE 24 GAUGE ELECTRO-GALVANIZED STEEL
C. PROVIDE A 10 YEAR LIMITED SERVICE WARRANTY. ITEMIZE ON BID.
D. PROVIDE SHOP DRAWINGS/ CUT SHEETS FOR A/E REVIEW PRIOR START OF WORK AND MATERIAL PURCHASE.
E. PARAPET FLASHING SHALL BE 60MIL TPO AND SHALL NOT EXCEED 1'-6" VERTICAL PLACEMENT OR AS RECOMMENDED BY MFGR.
F. ROOF AND PARAPET OPENINGS SHALL BE MADE WATER TIGHT.
G. ALL INSULATION MATERIALS SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 & A SMOKE DEVELOPED INDEX OF NOT MORE THAN 450 - FBC 720.2

720 SEALANTS:

A. SEALANTS SHALL BE PAINTABLE, COLOR MATCHED TO PAINT, SILICONIZED R.T.V. ACRYLIC. PROVIDE "CUT" SHEETS FOR ARCHITECT'S REVIEW. AS MANUFACTURED BY TREMCO, 3M POLYSEAM SEAL OR EQUAL.

730 VAPOR BARRIERS:

A. USE MIN. 10 MIL POLYETHELENE UNDER INTERIOR SLABS ON FILL UNLESS NOTED OTHERWISE. REFER TO STRUCTURAL PLANS FOR ADDITIONAL INFO.

800 DOORS/WINDOWS/STOREFRONTS:

A. DOORS SHALL BE COMPLETE WITH HARDWARE. SEE DOOR/HDW SCHEDULE.
B. SHALL BE LABELED AS REQUIRED BY CODE.
C. HOLLOW METAL EXTERIOR DOORS SHALL BE 20 GAUGE STEEL, OR AS LISTED FOR METRO-DADE PRODUCT APPPROVAL WITH ALL WELDS GROUND SMOOTH AND SHALL BE PRIMED AND PAINTED EXTERIOR INSTALLATION WITH INSIDE & OUT. LABELED AS REQUIRED BY CODE.
D. STEEL FRAMES SHALL BE 16 GAUGE STEEL WITH ALL WELDS GROUND SMOOTH AND SHALL BE PRIMED AND PAINTED INSIDE AND OUT, LABELED AS REQUIRED BY CODE.
E. LIGHTS IN DOORS SHALL BE SAFETY GLAZING: SIZED IN ACCORDANCE WITH LABEL/RATING.
F. EXTERIOR GLAZING SHALL BE IMPACT AND NON IMPACT RATED, AND AS NOTED ON ELEVATIONS AND SCHEDULES.
G. STOREFRONT FRAMES AND FRAMES FOR EXTERIOR GLAZING SHALL BE POUDER COAT, ANODIZED OR ESP FINISH PER ELEVATION.
H. STOREFRONT DOORS SHALL HAVE KEYED CYLINDERS WITH THUMBTURN, CLOSERS AND AS REQUIRED BY CODE OR SCHEDULE. THRESHOLD SHALL BE - MAX 1/2" DIFFERENTIAL OUTSIDE / INSIDE.
I. FIRE RATINGS SHALL BE IN ACCORDANCE WITH APPLICABLE CODES.
J. WINDOWS, DOORS AND THRESHOLDS SHALL BE WEATHERTIGHT. SEE SCHEDULE.
K. EXTERIOR OVERHEAD DOORS SHALL BE DESIGNED TO RESIST WIND LOADINGS. PROVIDE SHOP DRAWINGS SIGNED AND SEALED BY A FLORIDA PROFESSIONAL ENGINEER AND SHOW METRO DADE PRODUCT APPROVAL.
L. COORDINATE MASTER KEY SYSTEM AND SUB MASTER KEY SYSTEM WITH OUNER.
M. CONTRACTOR SHALL UTILIZE CONSTRUCTION MASTER KEY ACCESS DURING CONSTRUCTION WITH DEFEATING OVERRIDE AT PROJECT TURN OVER TO OUNER.
N. SEE EXTERIOR ELEVATIONS FOR WIND LOAD REQUIREMENTS OF ALL EXTERIOR PENETRATION.

900 FINISHES:

A. FINISHES SHALL NOT EXCEED FLAME AND SMOKE CONTRIBUTION RATINGS AS SPECIFIED IN FLORIDA FIRE PROTECTION CODE, FBC AND LOCAL CODES. SEE ALSO SPECIFICATION #1084.
B. ALL FINISHES INCLUDING FLOOR, WALL, CEILING, PAINT, ETC. SHALL BE CROSS VERIFIED WITH TENANT AND APPROVED BY TENANT PRIOR TO PURCHASE. CONTRACTOR MUST OBTAIN APPROVAL BY OUNER/TENANT BEFORE WORK BEGINS. PROVIDE ACTUAL BRUSHOUTS OF ALL PAINT COLORS, SAMPLES OF MATERIALS, ETC. FOR APPROVALS CONCRETE SHALL PROVIDE ON SITE BRUSHOUT/TEXTURE SAMPLES OF ALL EXTERIOR BUILDING COLORS (MINIMUM 4'X 4') FOR OUNER APPROVAL.

902 FLOOR FINISHES:

A. SEE FINISH SCHEDULE.

903 WALL FINISHES:

A. SEE FINISH SCHEDULE.

904 STUCCO:

A. STUCCO SHALL BE 5/8" THICKNESS (U.N.O.) APPLIED IN TWO LAYERS.
B. SMOOTH SAND FINISH AT BANDS, BALANCE LIGHT TO MEDIUM SKIP TROWEL FIN. SEE ELEV. FOR LOCATIONS.
C. USE BONDING AGENT ON CONCRETE SURFACES.
D. WIRE LATH SHALL BE GALVANIZED DIAMOND MESH (EXPANDED METAL), 3.4 LBS./S.Y. MINIMUM WEIGHT, WIRE LATH SHALL BE PLACED AFTER, AND BE DISCONTINUOUS, AT CONTROL JOINTS. OVER FIRE RETARDANT TREATED PLYWOOD OR METAL DECKING USE PAPER BACKED GALV. LATH, LIGHT GAUGE FRAMING SHALL BE GALV. AND EQUIVALENT TO THE U.S.G. PRODUCT NUMBER GIVEN IN PLANS.
F. STUCCO CONTROL JOINTS SHALL BE KEENE #'S ZINC, OR PLASTIC AS APPROVED BY ARCHITECT.
G. TOOLED DRIP AND OTHER RUSTICATION SHALL BE STRAIGHT.
J. MAIN RUNNERS SHALL BE 1 1/2" X Ø.475 #/FT, SUPPORTED BY #8 GA. WIRE PER 12 S.F. (4' MAX. O.C.)
K. CROSS FURRING SHALL BE 3/4" CHANNELS AT 12" O.C. TIED TO MAIN RUNNERS WITH DOUBLE #16 GA. WIRE SADDLE-TIED.
L. CORNER BEAD SHALL BE DOUBLE X BY U.S. GYPSUM OR APPROVED EQUAL.
M. CONTINUOUS REVEAL SHALL BE GORDON OR A/E APPROVED EQUAL.

905 CEILINGS:

A. FOR GYPSUM BOARD AND PLASTER/STUCCO CEILINGS, CONFORM TO FBC 2017 AND MANUFACTURERS SPECIFICATIONS.
B. FOR SUSPENDED METAL GRID CEILING AND ACCUSTICAL TILE, SEE REFLECTED CEILING PLAN.

908 PAINTING: (GENERAL)

A. FINISH PAINT SHALL BE READY MIXED AND THINNED ONLY IN ACCORDANCE W/ MANUFACTURER'S DIRECTIONS.
B. ON GALVANIZED STEEL USE GALVANIZED IRON PRIMER FIRST COAT, + UNLESS NOTED OTHERWISE.
C. ON METAL USE METALASTIC 1 ENAMEL OVER COMPATIBLE PRIMER-UNLESS NOTED OTHERWISE.
D. ON STUCCO, USE 2 COATS EXTERIOR LATEX PAINT, REFER TO EXTERIOR ELEVATIONS FOR COLOR. (ACRYLASTIC OR EQUAL)
E. PROVIDE WATERPROOFING COATING AT TOP AND BACKSIDE OF ALL STUCCO PARAPETS.
F. SUBMIT CUT SHEETS FOR ARCHITECT'S REVIEW. COLOR SELECTION AND APPROVAL.
G. TOUCH-UP FIELD WELDING WITH MATCHING SHOP COAT PRIMER.
H. FINISHES SHALL BE CLASS B MINIMUM FIRE RATING. USE ALBERTS #D8 WITH #66 SEALER MATTE FINISH THEREOVER. WHERE SPECIFIED FINISHES DO NOT COMPLY WITH SMOKE AND FLAME SPREAD LIMITS PRESCRIBED BY CODE.
I. SEE INTERIOR PAINT FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
   THESE ARE SHERWIN-WILLIAMS TRADE NAMES. SEE ALSO PPG, GLIDDEN.
J. EXTERIOR TILT WALL PANELS ARE TO RECEIVE "TEX-COTE" TEXTURED, COLORED XL-70 SYSTEM ON APPROVED PRIMER. SEE EXTERIOR ELEVATIONS FOR COLORS TYPICAL.
K. ALL EXTERIOR ELECTRICAL DEVICES, CONDUITS, PIPING INCLUDING PVC AND METAL SUPPORTS SHALL BE PAINTED TO MATCH BUILDING COLOR ADJACENT.

1000 SPECIALTIES:

A. PROVIDE 2A 40 BC FIRE EXTINGUISHERS AT ALL EXITS AND WITHIN A TRAVEL DISTANCE OF 75 FT. MAX. THE FIRE EXTINGUISHERS WILL BE HUNG IN COMPLIANCE WITH FLORIDA FIRE PREVENTION CODE. FLORIDA BUILDING CODE AND ADA PROVIDE 1/3000 SF. EXTINGUISHERS TO SQ. FT. AREA MIN. OR ADDITIONAL DEVICES AS MAY BE REQUIRED BY FIRE MARSHAL.
B. ALL PENETRATIONS THROUGH A RATED PARTITION SHALL BE INSTALLED W/ AN APPROVED PENETRATION KIT IN ALL CASES INVOLVING PLUMBING, ELECTRICAL AND HVAC. USE TREMCO, 3-M OR APPROVED EQUAL.
C. ALL DUCT PENETRATIONS THROUGH A RATED PARTITION REQUIRE A U-L RATED FIRE DAMPER AS SUITED FOR THAT HOURLY PENETRATION.

1500 MECHANICAL:

A. FOR SPECIAL CONDITIONS AND ENGINEERING SPECIFICATIONS, SEE MECHANICAL DRAWINGS, AND SPEC. 1500C.
B. WATER LINES SHALL BE RIGID COPPER, U.N.O.
C. SEWER SHALL BE CAST IRON OR AS SHOWN ON PLUMBING DRAWINGS PVC MAY BE SUBSTITUTED WITH APPROVAL OF OUNER ENGINEER AND BUILDING OUNER WITH PRIOR APPROVAL.
D. RAINWATER LEADER (RWL) MAY BE P.V.C. INSIDE BUILDING. P.V.C. RWL EMBEDDED IN CONCRETE REQUIRES APPROVAL OF STRUCTURAL ENGINEER. P.V.C. MAY NOT BE USED IN PLENUM SPACES.
E. LAVATORIES SHALL BE VITREOUS CHINA BOWLS AND COORDINATE HARDWARE. PROVIDE CUT SHEETS AND SHOP DRAWINGS.

1600 ELECTRICAL:

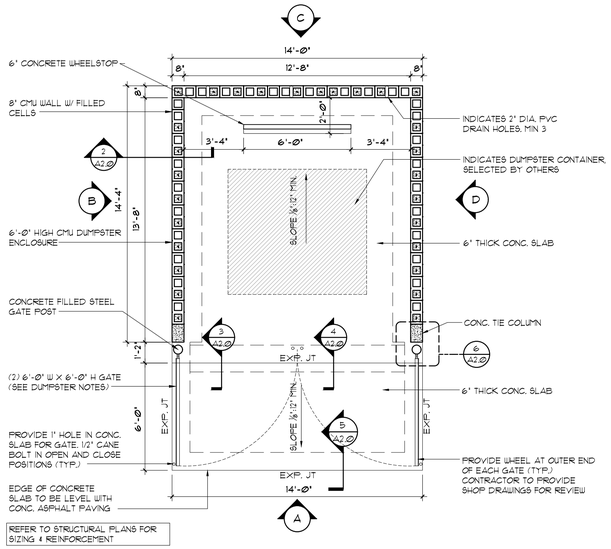
A. PROVIDE (2) BLANK P.V.C. CONDUITS (2" DIA.) AS NECESSARY FOR SOUTHERN BELL AND FLORIDA POWER & LIGHT SERVICES.
B. ELECTRICAL RACEWAYS MAY BE EMT, OR RIGID STEEL OR AS OTHERWISE NOTED ON ELECTRICAL DRAWINGS. MC CABLE SHALL ONLY BE ACCEPTIBLE AS PIGTAILS LIMITED TO 6' MAX. LENGTHS.
C. FLEXIBLE CABLE MAY ONLY BE USED AS PIGTAILS, IN SINGLE LENGTHS LIMITED TO 6' LENGTHS.
D. ELECTRICAL CONDUCTORS SHALL BE #12 MINIMUM COPPER, WITH THWN, THN INSULATION, OR AS OTHERWISE NOTED.
E. FOR LIGHTING FIXTURES, SEE REFLECTED CEILING PLAN, SITE LIGHTING PLAN, ELECTRICAL LIGHTING PLAN.
F. PROVIDE (1) 3/4" EMT CONDUIT FROM ELECTRICAL PANEL TO 12" BELOW STRUCTURE ABOVE W/ PULL STRING FOR FUTURE CIRCUIT.

INTERIOR FINISHES ALL INTERIOR FINISHES TO COMPLY WITH 2023 FBC CHAPTER 8:

WALL AND CEILING FINISHES:

TABLE 803.9 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY

GROUP	SPRINKLERED		
	EXIT ENCLOSURES AND EXIT PASSAGEWAYS a, b	CORRIDORS	ROO

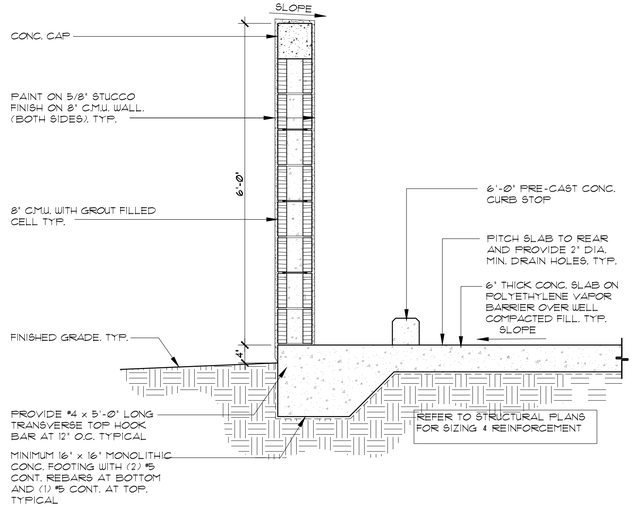


DUMPSTER NOTES:

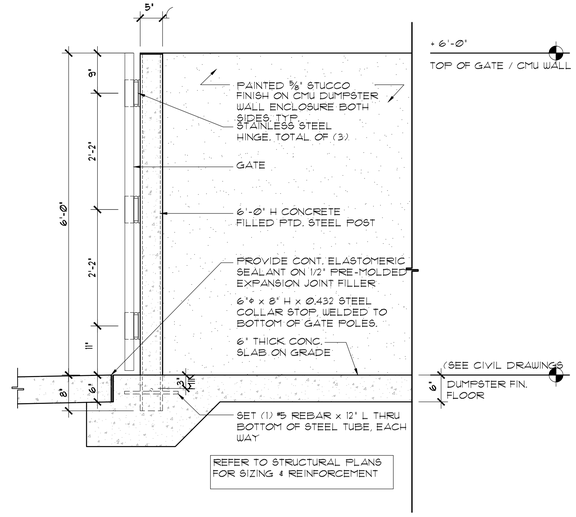
1. ENCLOSURE WALLS: CONCRETE MASONRY UNITS AND 2-COATS STUCCO PAINTED SURFACES OR FINISHED WITH OTHER APPROVED MATERIALS, COLOR AND FINISH TO MATCH BUILDINGS.
2. GATE CONSTRUCTION: 2" X 2" x 14 GA. GALVANIZED STEEL TUBE FRAME W/ WELDED CROSS BRACING, ATTACH CORRUGATED GALV. METAL DECK PANELS OR APPROVED EQUAL MATERIAL, AND PAINT TO MATCH WALLS. PROVIDE GATE STOPS TO SECURE GATE WHEN OPEN/CLOSE.
3. THE SLAB WILL BE 6" CONC. SLAB ON GRADE 6" THICK CONC. SLAB (3000 psi) WITH (2) LAYERS OF 6x6-14x14 WWF. (AT MID. DEPTH) ON 6 MIL. POLYTETHYLENE VAPOR BARRIER OVER WELL COMPACTED FILL, TYP.
4. CONTRACTOR TO SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS TO DEMONSTRATE GATE COMPLIANCE WITH CODE WIND DESIGN CRITERIA.
5. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS NOTED ON PLANS AND SHALL NOTIFY THE ARCHITECT OR ENGINEER OF ANY DISCREPANCIES WITH THE PROPOSED DESIGN PRIOR TO START CONSTRUCTION/FABRICATION.

1 A2.0 **DUMPSTER PLAN & NOTES**
1/4" = 1'-0"

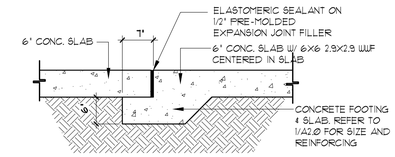
NORTH



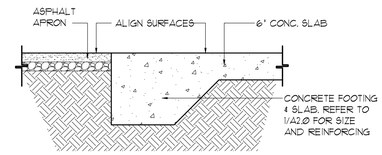
2 A2.0 **DUMPSTER WALL SECTIONS**
3/4" = 1'-0"



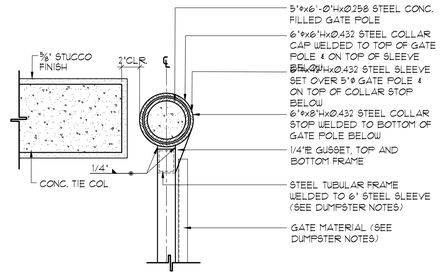
3 A2.0 **STEEL POST ANCHORAGE**
3/4" = 1'-0"



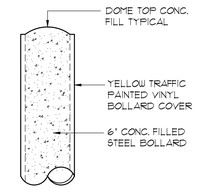
4 A2.0 **SLAB DETAIL**
3/4" = 1'-0"



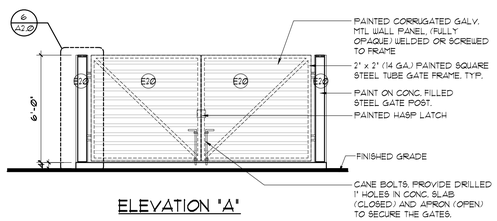
5 A2.0 **SLAB DETAIL**
3/4" = 1'-0"



6 A2.0 **SWING GATE - JAMB**
1 1/2" = 1'-0"

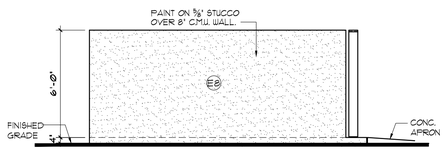


7 A2.0 **BOLLARD TOP DETAIL**
1 1/2" = 1'-0"



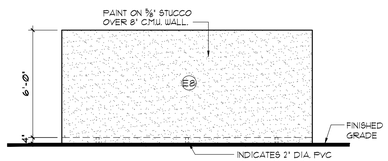
ELEVATION 'A'

8 A2.0 **DUMPSTER ELEVATION 'A'**
1/4" = 1'-0"



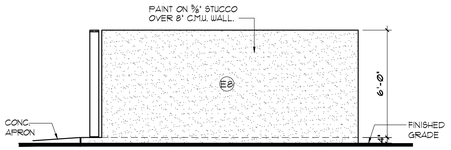
ELEVATION 'B'

9 A2.0 **DUMPSTER ELEVATION 'B'**
1/4" = 1'-0"



ELEVATION 'C'

10 A2.0 **DUMPSTER ELEVATION 'C'**
1/4" = 1'-0"



ELEVATION 'D'

11 A2.0 **DUMPSTER ELEVATION 'D'**
1/4" = 1'-0"

MARK	DESCRIPTION	MATCH MANUF.	CATALOG NO.	COLOR	TYPE	FINISH	COATS	NOTE:	COMMON NAME
E8	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 6904	GUSTO GOLD	EXTERIOR ACRYLIC	FLAT	2 COATS 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	ORANGE
E20	DUMPSTER GATE & POST	BY MANUF.	MATCH SW 6904	GUSTO GOLD	ANODIZED	BY MANUF.	BY MANUF.	PRE-FINISHED	ORANGE

12 A2.0 **DUMPSTER ENCLOSURE FINISH SCHEDULE**

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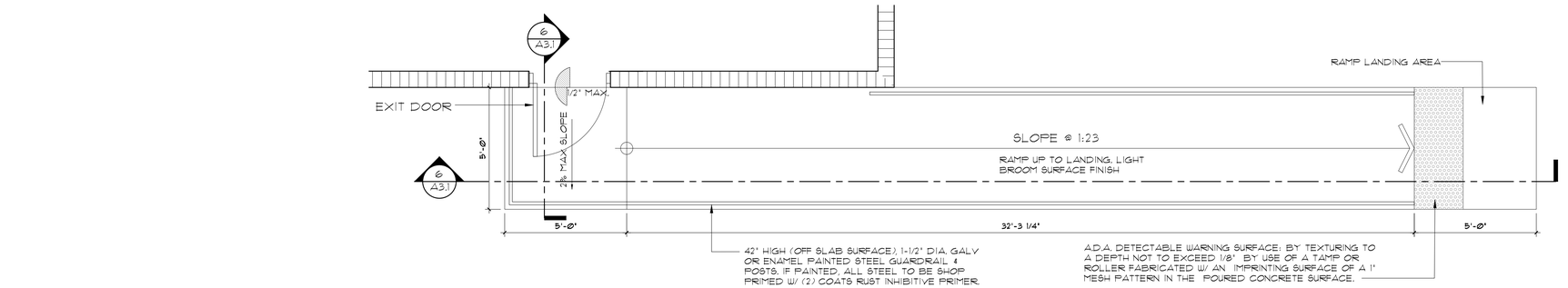
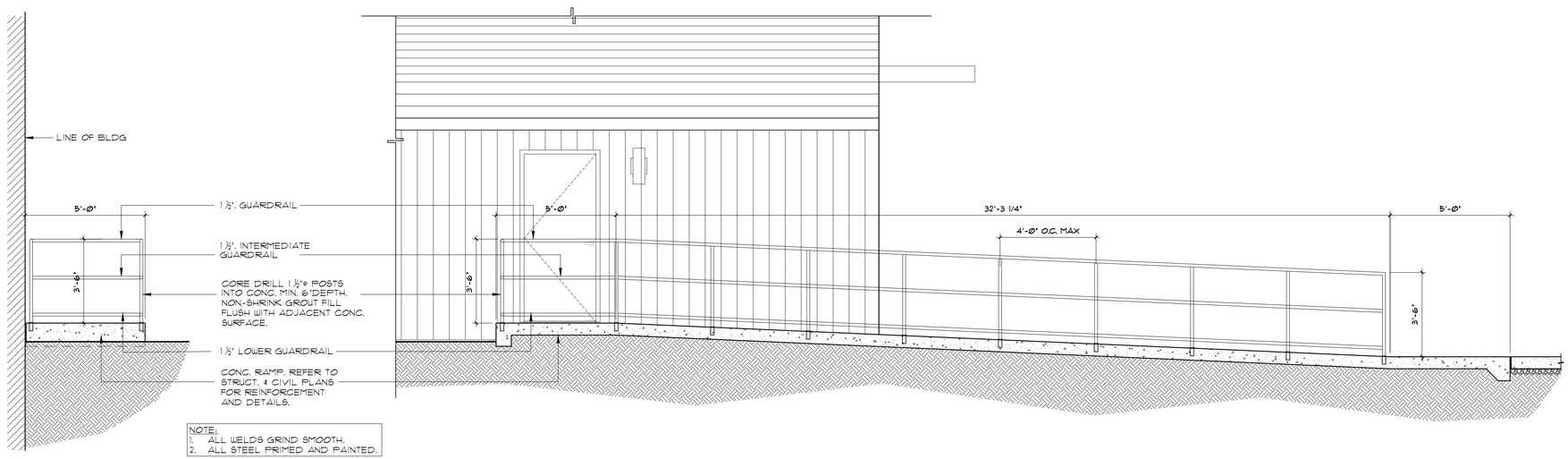


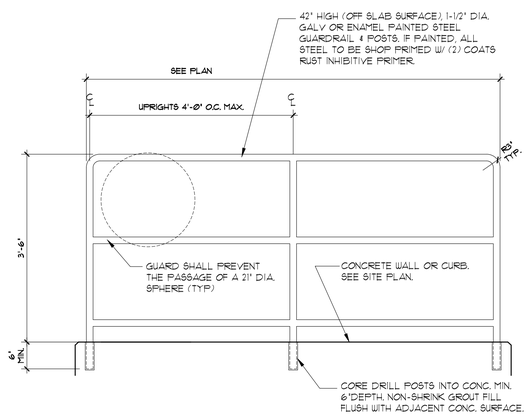
1 A3.0 **ADA RAMP PLAN**
3/8" = 1'-0"

NORTH

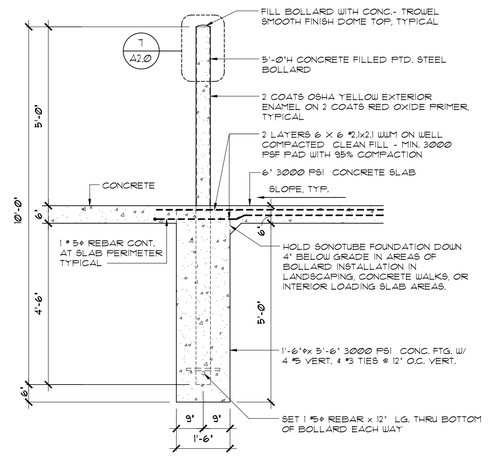


NOTE:
1. ALL WELDS GRIND SMOOTH.
2. ALL STEEL PRIMED AND PAINTED.

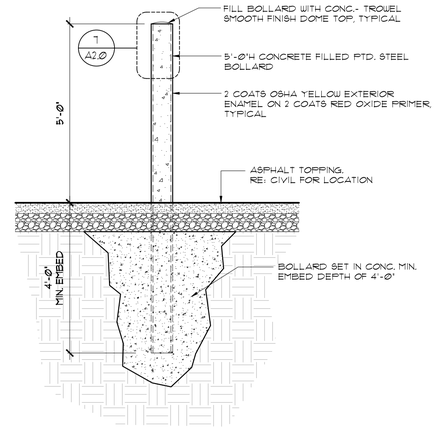
2 A3.0 **ADA RAMP SECTION**
3/8" = 1'-0"



3 A3.0 **RAMP & RETAINING WALL GUARDRAIL DETAIL**
NTS



4 A3.0 **BOLLARD DETAIL**
NTS



5 A3.0 **BOLLARD DETAIL**
NTS

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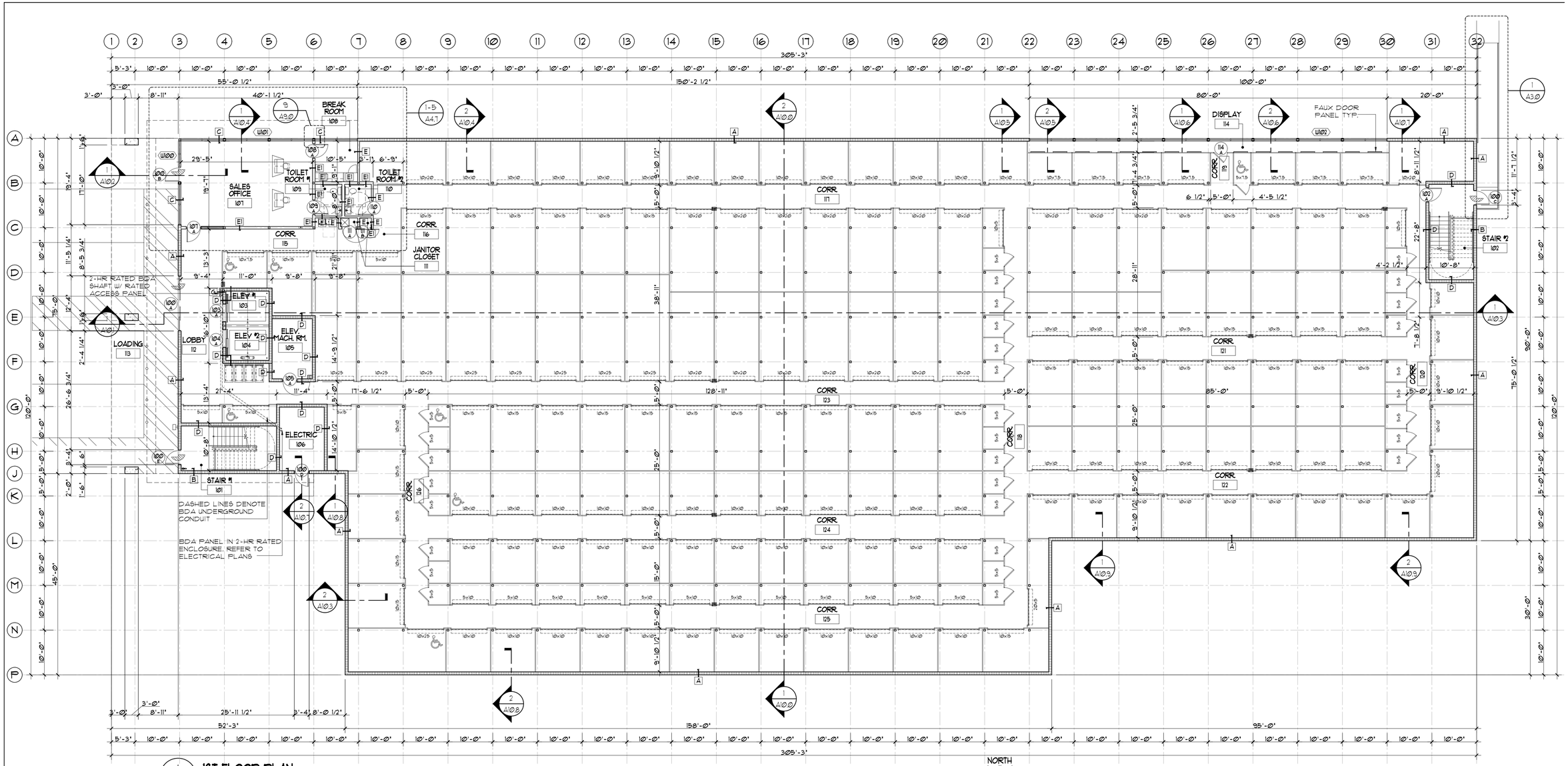

1 A4.0 1ST FLOOR PLAN
3/32" = 1'-0"

NORTH

SYMBOLS LEGEND

- METAL STUD PARTITION
- CONCRETE TILT WALL
- ROOM NAME AND NUMBER (ROOM / A100)
- DOOR NUMBER (00 A)
- ADA COMPLIANT
- WINDOW / STOREFRONT NUMBERON TYPE (###)
- SECTION CUT DESIGNATION (A)
- EXTERIOR ELEVATION DESIGNATION (X / AX.X)
- DETAIL DESIGNATION (X / AX.X)
- 1/2" MAX. DENOTES ½" MAX. HIGH ADA COMPLIANT ALUM. THRESHOLDS, NOT A SLAB RECESS, TYPICAL
- STORAGE UNITS (0'X0')

2 A4.0 SYMBOLS LEGEND

TACTILE SIGN NOTE:
SIGNS' TACTILE CHARACTERS MUST BE A MINIMUM OF 48 INCHES ABOVE THE FINISHED FLOOR OR GROUND TO THE LOWEST TACTILE CHARACTER'S BASELINE AND A MAXIMUM OF 60 INCHES TO THE HIGHEST TACTILE CHARACTER'S BASELINE. THE TACTILE SIGN MUST BE LOCATED ON THE LATCH SIDE OF THE DOOR.

3 A4.0 TACTILE SIGNAGE

GENERAL NOTE:

1. DESIGN LIVE LOADS SHALL BE CONSPICUOUSLY POSTED BY OWNER IN THAT PART OF EACH STORY IN WHICH THEY APPLY, USING DURABLE SIGNS. IT SHALL UNLAWFUL TO REMOVE OR DEFACE SUCH NOTICES. SIGN TO BE POSTED "BUILDING IS DESIGNED FOR A LIVE LOAD OF 125 PSF".
2. THE WALKING SURFACE OF TREADS AND LANDINGS OF A STAIRWAY SHALL NOT BE SLOPED STEEPER THAN 1 UNIT VERTICAL IN 48 UNITS HORIZONTAL (2-PERCENT SLOPE) IN ANY DIRECTION. STAIRWAY TREADS AND LANDINGS SHALL HAVE A SOLID SURFACE. FINISH FLOOR SURFACES SHALL BE SECURELY ATTACHED.
3. PROVIDE TACTILE EXIT SIGNAGE AT ALL STAIR ENCLOSURES, TYPICAL
4. REFER TO FINISH SCHEDULE FOR SLIP RESISTANT FLOOR SURFACES.
5. ALL FLOOR SLABS ARE AT THE SAME HEIGHT.
6. A MAXIMUM 1/2" DIFFERENTIAL HEIGHT ACROSS ALL THRESHOLDS.
7. CONTRACTOR TO PROVIDE 4' x 4' BACK PANEL BOARD INSIDE THE ELECTRICAL ROOM, AND (2) 2" Ø RIGID EMPTY CONDUITS FOR FUTURE BDA HOOK UP. RUN EMPTY CONDUITS UNDERGROUND FROM THE BDA ROOM TO 2-HRS FIRE RATED WALL CHASE NEXT TO ELEVATOR SHAFT, AND UP TO A WEATHER PROVED ROOF JACK, CAP AND SEAL TERMINATION POINTS. PROVIDE PULL STRING LINES, REFER TO ELECTRICAL PLANS FOR DETAILS.
8. SECURITY ACCESS CONTROL KEY PAD AS SELECTED BY OWNER/OPERATOR. CONTRACTOR TO FIELD COORDINATE EXACT LOCATION WITH OWNER AND INTEGRATION OF SYSTEM WITH AUTO SLIDING DOOR MFR'S FIELD SUPERVISOR. TYPICAL
9. ALL STORAGE UNITS ON OUTSIDE WALLS WITH SPANDREL GLASS OPENINGS ARE TO RECEIVE JANUS PANELS TO COVER OPENING TO 8'-0" AFF, TYPICAL ALL FLOORS.
10. A MIN. OF 1 UNIT OF EACH SIZE ON EACH FLOOR SHALL BE ADA ACCESSIBLE WITH A JANUS MAN DOOR (SWING STYLE) WITH ADA LEVER SET ENTRANCE LOCKSET.
11. CONTRACTOR MUST DELIVER WALLS INSIDE STRUCTURE CLEAN OF GRAFFITI AND MARKINGS TO OWNER.
12. ALL PARKING SPACES AND AISLES TO BE LEVEL WITH 2% MAX. SLOPES PER 11-4.6.3 F.B.C. SEE ALSO CIVIL PLANS.
13. FIRE PANEL AND ALL DEVICES ASSOCIATED WITH IT SHALL BE PROPERLY INDICATED ON ELECTRICAL PANEL.
14. DOUBLE DETECTOR VALVE SHALL BE DIRECTLY SUPPORTED.
15. PROVIDE 2HR REFRIGERANT CHASE
16. ALL PLUMBING PIPES WITHIN UNITS ARE TO BE COVERED WITH LINER PANELS

4 A4.0 GENERAL NOTES

PER TABLE 721.1(3) ITEM # 1-11 MINIMUM SLAB THICKNESS:
FLOOR SLAB TO HAVE A MINIMUM OF 3 ½" NORMAL WEIGHT CONCRETE PROVIDING 1 HR. FIRE RESISTING RATING.
FLOOR SYSTEM:
FLOOR SLAB ON 2ND-THRU 4TH FL TO HAVE 3 1/2" NORMAL WEIGHT CONCRETE ON 2" STEEL DECKING

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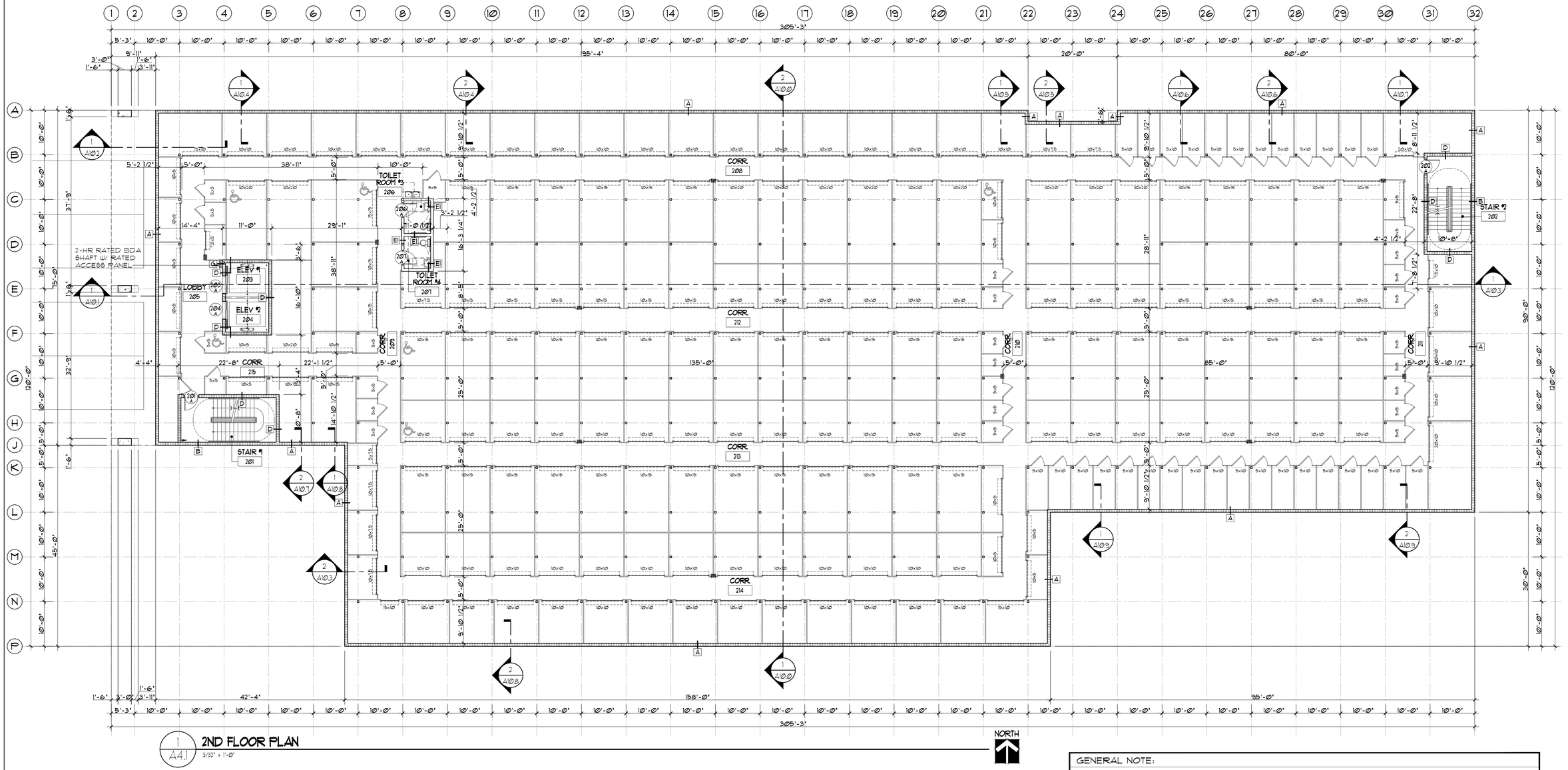
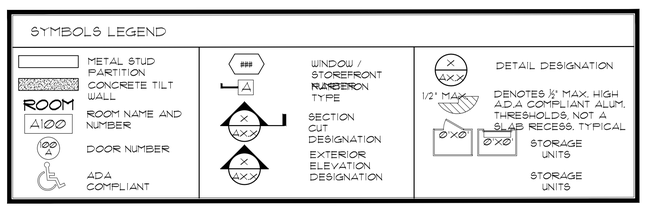


1 A4.1 **2ND FLOOR PLAN**
3/32" = 1'-0"

SYMBOLS LEGEND



2 A4.1 **SYMBOLS LEGEND**

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14. DOUBLE DETECTOR VALVE SHALL BE DIRECTLY SUPPORTED.
15. PROVIDE 2HR REFRIGERANT CHASE
16. ALL PLUMBING PIPES WITHIN UNITS ARE TO BE COVERED WITH LINER PANELS

PER TABLE 721.1(3) ITEM # 1-1.1 MINIMUM SLAB THICKNESS:
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FLOOR SYSTEM:
FLOOR SLAB ON 2ND-THRU 4TH FL TO HAVE 3 1/2" NORMAL WEIGHT CONCRETE ON 2" STEEL DECKING

4 A4.1 **GENERAL NOTES**

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CONSTRUCTION DOCUMENTS

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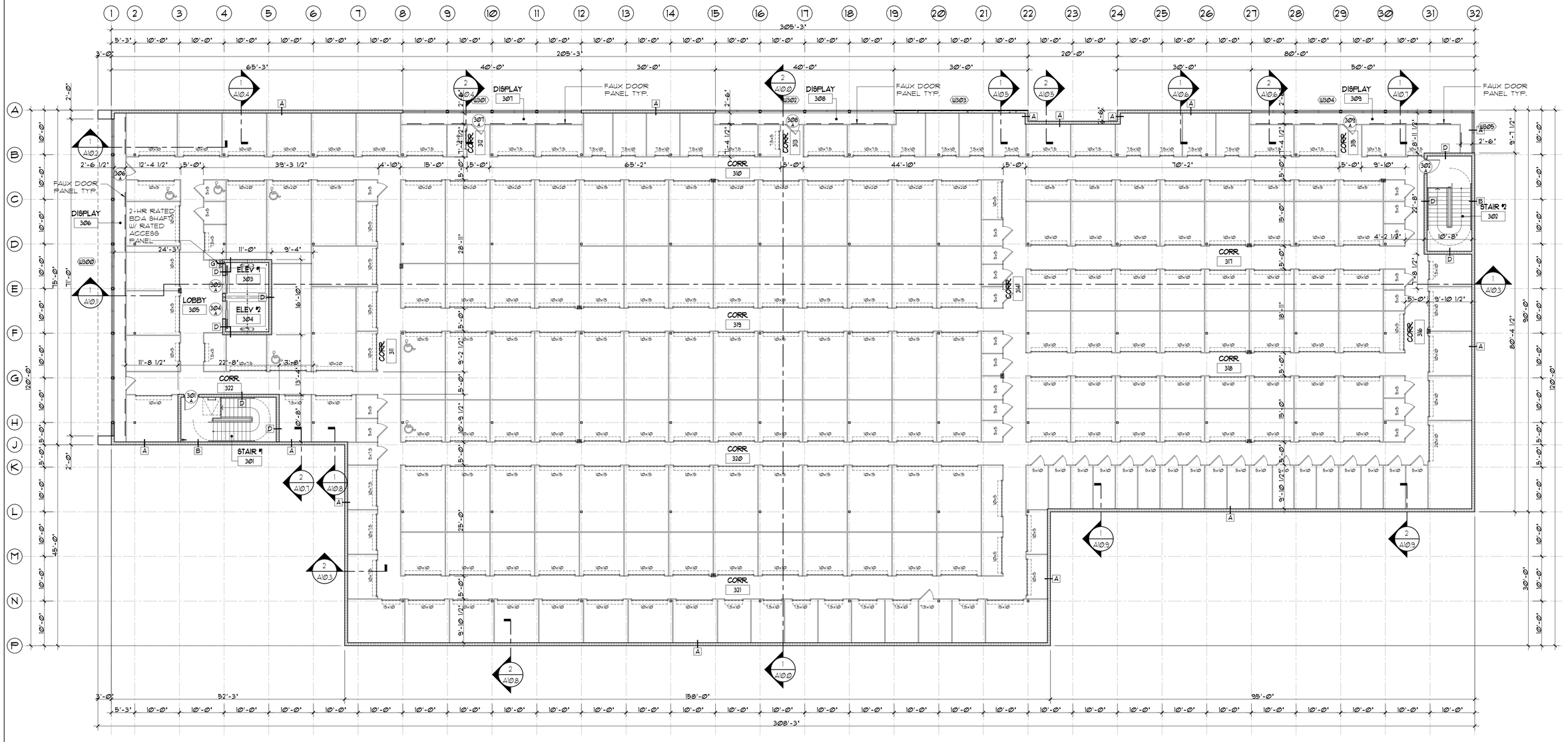

1 A4.2 3RD FLOOR PLAN

3/32" = 1'-0"

NORTH

GENERAL NOTE:

1. DESIGN LIVE LOADS SHALL BE CONSPICUOUSLY POSTED BY OWNER IN THAT PART OF EACH STORY IN WHICH THEY APPLY, USING DURABLE SIGNS, IT SHALL UNLAWFUL TO REMOVE OR DEFACE SUCH NOTICES. SIGN TO BE POSTED "BUILDING IS DESIGNED FOR A LIVE LOAD OF 125 PSF".
2. THE WALKING SURFACE OF TREADS AND LANDINGS OF A STAIRWAY SHALL NOT BE SLOPED STEEPER THAN 1 UNIT VERTICAL IN 48 UNITS HORIZONTAL (2-PERCENT SLOPE) IN ANY DIRECTION. STAIRWAY TREADS AND LANDINGS SHALL HAVE A SOLID SURFACE. FINISH FLOOR SURFACES SHALL BE SECURELY ATTACHED.
3. PROVIDE TACTILE EXIT SIGNAGE AT ALL STAIR ENCLOSURES, TYPICAL
4. REFER TO FINISH SCHEDULE FOR SLIP RESISTANT FLOOR SURFACES.
5. ALL FLOOR SLABS ARE AT THE SAME HEIGHT.
6. A MAXIMUM 1/2" DIFFERENTIAL HEIGHT ACROSS ALL THRESHOLDS.
7. CONTRACTOR TO PROVIDE 4' x 4' BACK PANEL BOARD INSIDE THE ELECTRICAL ROOM, AND (2) 2" ø RIGID EMPTY CONDUITS FOR FUTURE B.D.A. HOOK UP. RUN EMPTY CONDUITS UNDERGROUND FROM THE BDA ROOM TO 2-HRS FIRE RATED WALL CHASE NEXT TO ELEVATOR SHAFT, AND UP TO A WEATHER PROVED ROOF JACK, CAP AND SEAL TERMINATION POINTS, PROVIDE PULL STRING LINES. REFER TO ELECTRICAL PLANS FOR DETAILS.
8. SECURITY ACCESS CONTROL KEY PAD AS SELECTED BY OWNER/OPERATOR CONTRACTOR TO FIELD COORDINATE EXACT LOCATION WITH OWNER AND INTEGRATION OF SYSTEM WITH AUTO SLIDING DOOR MFR'S FIELD SUPERVISOR, TYPICAL
9. ALL STORAGE UNITS ON OUTSIDE WALLS WITH SPANDREL GLASS OPENINGS ARE TO RECEIVE JANUS PANELS TO COVER OPENING TO 8'-0" A.F.F. TYPICAL ALL FLOORS.
10. A MIN. OF 1 UNIT OF EACH SIZE ON EACH FLOOR SHALL BE ADA ACCESSIBLE WITH A JANUS MAN DOOR (SWING STYLE) WITH ADA LEVER SET ENTRANCE LOCKSET
11. CONTRACTOR MUST DELIVER WALLS INSIDE STRUCTURE CLEAN OF GRAFFITI AND MARKINGS TO OWNER.
12. ALL PARKING SPACES AND AISLES TO BE LEVEL WITH 2% MAX. SLOPES PER 11-4.6.3 F.B.C. SEE ALSO CIVIL PLANS.
13. FIRE PANEL AND ALL DEVICES ASSOCIATED WITH IT SHALL BE PROPERLY INDICATED ON ELECTRICAL PANEL.
14. DOUBLE DETECTOR VALVE SHALL BE DIRECTLY SUPPORTED.
15. PROVIDE 2HR REFRIGERANT CHASE
16. ALL PLUMBING PIPES WITHIN UNITS ARE TO BE COVERED WITH LINER PANELS

SYMBOLS LEGEND

- METAL STUD PARTITION
- CONCRETE TILT WALL
- ROOM — ROOM NAME AND NUMBER (A100)
- DOOR NUMBER (100 A)
- ADA COMPLIANT
- WINDOW / STOREFRONT NUMBERON TYPE (###)
- SECTION CUT DESIGNATION (A)
- EXTERIOR ELEVATION DESIGNATION (AX.X)
- DETAIL DESIGNATION (AX.X)
- 1/2" MAX. — DENOTES ½" MAX. HIGH ADA COMPLIANT ALUM. THRESHOLDS, NOT A SLAB RECESS. TYPICAL
- STORAGE UNITS (0'X0')
- STORAGE UNITS (0'X0')

2 A4.2 SYMBOLS LEGEND

TACTILE SIGN NOTE:
SIGNS' TACTILE CHARACTERS MUST BE A MINIMUM OF 48 INCHES ABOVE THE FINISHED FLOOR OR GROUND TO THE LOWEST TACTILE CHARACTER'S BASELINE AND A MAXIMUM OF 60 INCHES TO THE HIGHEST TACTILE CHARACTER'S BASELINE. THE TACTILE SIGN MUST BE LOCATED ON THE LATCH SIDE OF THE DOOR.

3 A4.2 TACTILE SIGNAGE

PER TABLE 721(3) ITEM # 1-1.1 MINIMUM SLAB THICKNESS:
FLOOR SLAB TO HAVE A MINIMUM OF 3 ½" NORMAL WEIGHT CONCRETE PROVIDING 1 HR. FIRE RESISTING RATING.
FLOOR SYSTEM:
FLOOR SLAB ON 2ND-THRU 4TH FL TO HAVE 3 1/2" NORMAL WEIGHT CONCRETE ON 2" STEEL DECKING

4 A4.2 GENERAL NOTES

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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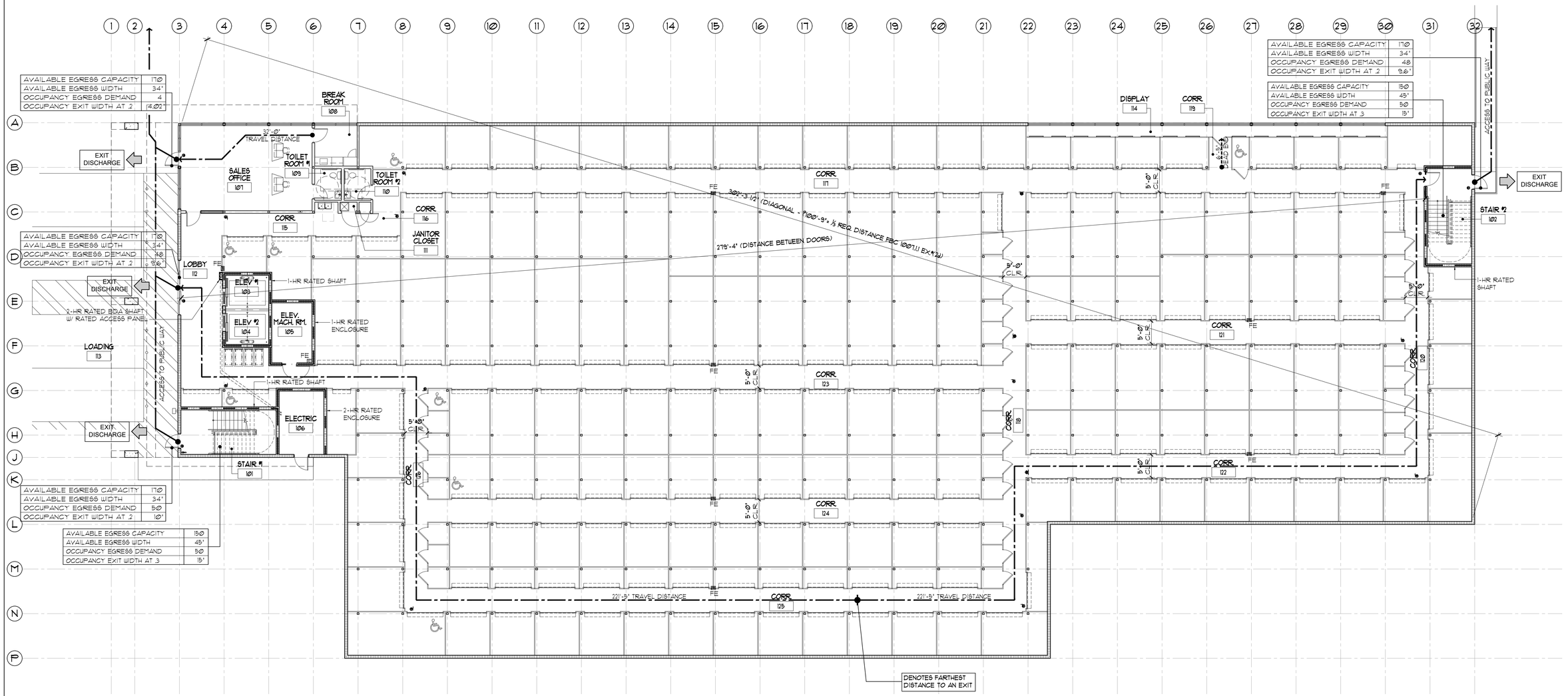

1 A4.3 **1ST FLOOR PLAN LIFE SAFETY PLAN**

3/32" = 1'-0"

NORTH

NOTES:

1. REFER TO SHEET A1.0 FOR OCCUPANT LOAD CALCULATIONS
2. PROPOSED BUILDING DESIGN WILL PROVIDE 99% FLOOR AREA RADIO COVERAGE IN CRITICAL AREAS AS DESCRIBED IN NFPA 72 (2010) 24.5.2.1 AND 90% FLOOR AREA RADIO COVERAGE IN GENERAL BUILDINGS AREAS AS DESCRIBED IN NFPA 72 (2010) 24.5.2.2.1 OR A TWO-WAY RADIO COMMUNICATION ENHANCEMENT SYSTEM SHALL BE INSTALLED AS REQUIRED BY FLORIDA FIRE PREVENTION CODE (FIFTH EDITION) NFPA 1, 11.10. IT IS RECOMMENDED THAT THE DESIGN PROFESSIONAL PROVIDE SEPARATE SHEETS WITHIN THE SET ENTITLED "RADIO SIGNAL LEVEL TESTING GRID" FOR EACH FLOOR LEVEL THAT CONTAINS A GRID AS DESCRIBED IN NFPA 72 (2010)

LIFE SAFETY KEY LEGEND

- 1 HOUR SEPARATION
- 2 HOUR SEPARATION
- TRAVEL DISTANCE
- DEAD END CORRIDOR
- COMMON PATH OF TRAVEL
- FE — WALL MOUNTED (5'-0" MAX. A.F.F.) FIRE EXTINGUISHER.
- FE — WALL MOUNTED (5'-0" MAX. A.F.F.) FIRE EXTINGUISHER INSIDE CABINET.
- RFE — RECESSED WALL MOUNTED (5'-0" MAX. A.F.F.) FIRE EXTINGUISHER INSIDE CABINET.
- FE — RECESSED FIRE EXTINGUISHER INSIDE CABINET FOR USE AT STORAGE UNITS.
- WALL MOUNTED EXIT SIGNS (ARROW DIRECTION VARIES)
- CEILING MOUNTED EXIT SIGNS (ARROW DIRECTION VARIES)
- ADA COMPLIANT
- AREA OF RESCUE ASSISTANCE WITH TWO-WAY COMMUNICATION CALL BOX

2 A4.3 **LIFE SAFETY LEGEND & NOTES**

GLEN RIDGE SELF-STORAGE

SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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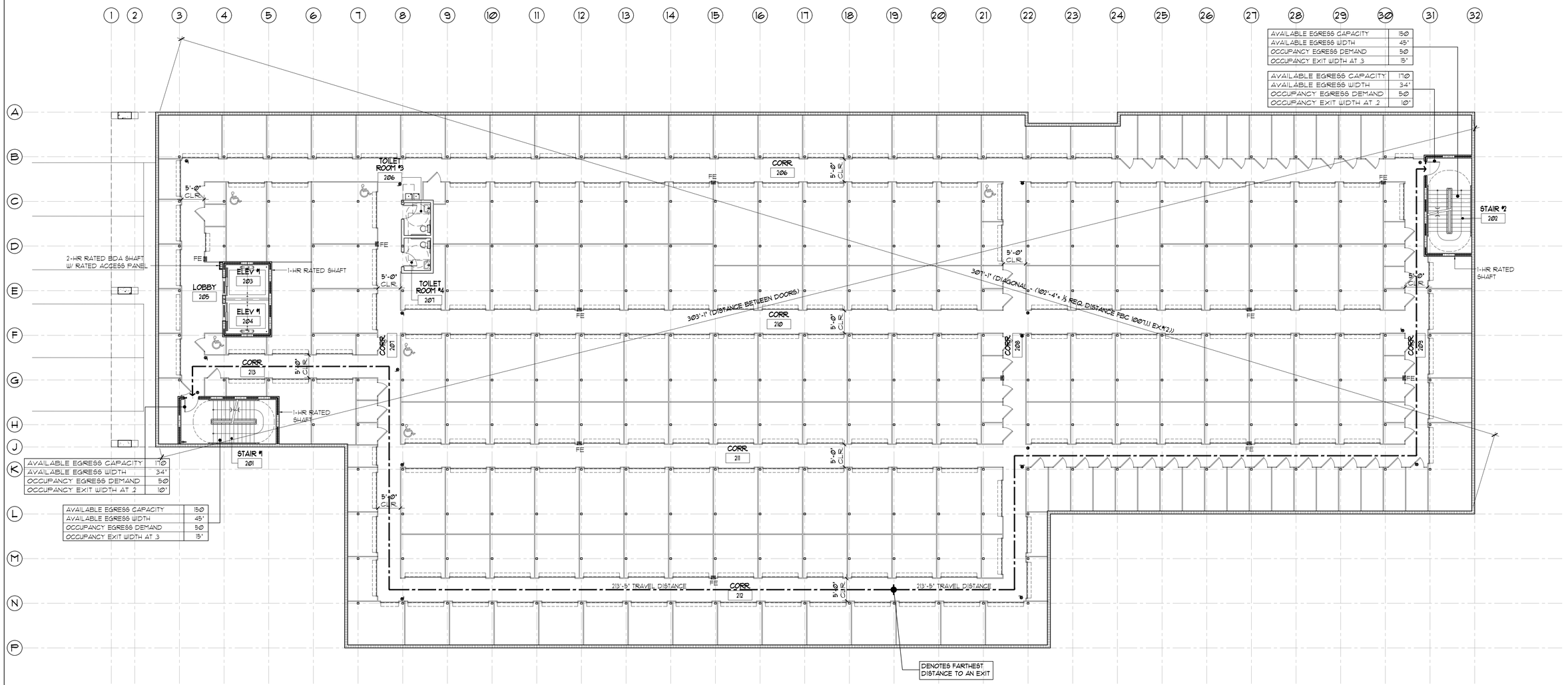

1 A4.4 2ND FLOOR PLAN LIFE SAFETY PLAN
3/32" = 1'-0"

NORTH

NOTES:

1. REFER TO SHEET A1.0 FOR OCCUPANT LOAD CALCULATIONS
2. PROPOSED BUILDING DESIGN WILL PROVIDE 99% FLOOR AREA RADIO COVERAGE IN CRITICAL AREAS AS DESCRIBED IN NFPA 72 (2010) 24.5.2.1 AND 90% FLOOR AREA RADIO COVERAGE IN GENERAL BUILDING AREAS AS DESCRIBED IN NFPA 72 (2010) 24.5.2.2* OR A TWO-WAY RADIO COMMUNICATION ENHANCEMENT SYSTEM SHALL BE INSTALLED AS REQUIRED BY FLORIDA FIRE PREVENTION CODE (FIFTH EDITION) NFPA 1 11.10. IT IS RECOMMENDED THAT THE DESIGN PROFESSIONAL PROVIDE SEPARATE SHEETS WITHIN THE SET ENTITLED "RADIO SIGNAL LEVEL TESTING GRID" FOR EACH FLOOR LEVEL THAT CONTAINS A GRID AS DESCRIBED IN NFPA 72 (2010)

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- RFE — RECESSED WALL MOUNTED (5'-0" MAX. A.F.F.) FIRE EXTINGUISHER INSIDE CABINET.
- FE — RECESSED FIRE EXTINGUISHER INSIDE CABINET FOR USE AT STORAGE UNITS.
- WALL MOUNTED EXIT SIGNS (ARROW DIRECTION VARIES)
- CEILING MOUNTED EXIT SIGNS (ARROW DIRECTION VARIES)
- ADA COMPLIANT
- AREA OF RESCUE ASSISTANCE WITH TWO-WAY COMMUNICATION CALL BOX

2 A4.4 LIFE SAFETY LEGEND & NOTES

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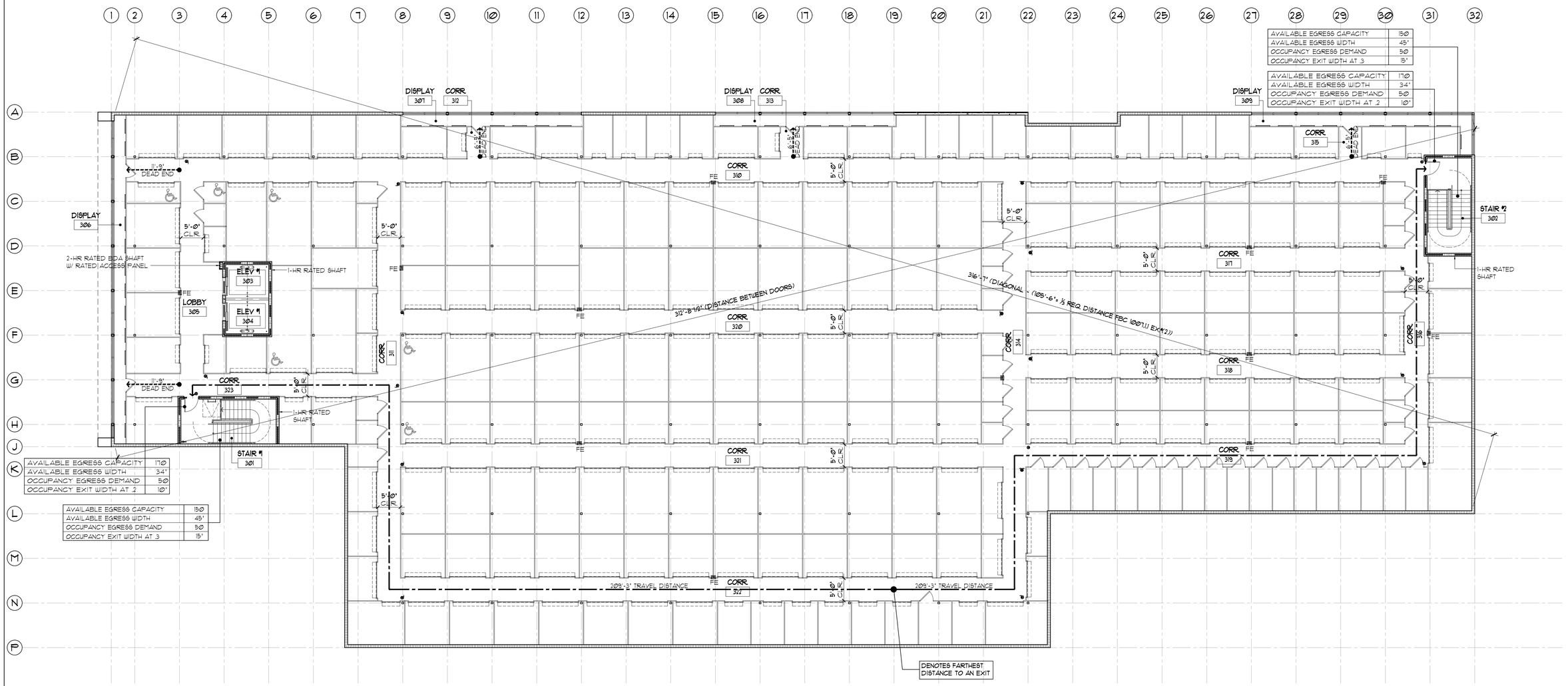

1 / A4.5 — 3RD FLOOR PLAN LIFE SAFETY PLAN

3/32" = 1'-0"

NORTH

NOTES:

1. REFER TO SHEET A1.0 FOR OCCUPANT LOAD CALCULATIONS
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- WALL MOUNTED EXIT SIGNS (ARROW DIRECTION VARIES)
- CEILING MOUNTED EXIT SIGNS (ARROW DIRECTION VARIES)
- ADA COMPLIANT
- AREA OF RESCUE ASSISTANCE WITH TWO-WAY COMMUNICATION CALL BOX

2 / A4.5 — LIFE SAFETY LEGEND & NOTES

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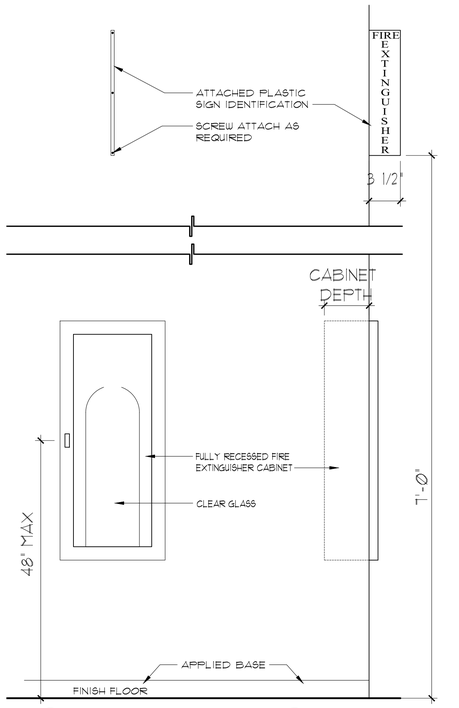
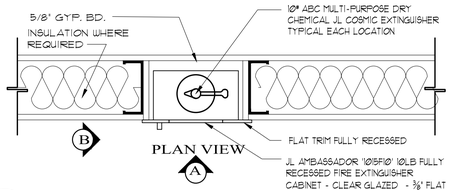
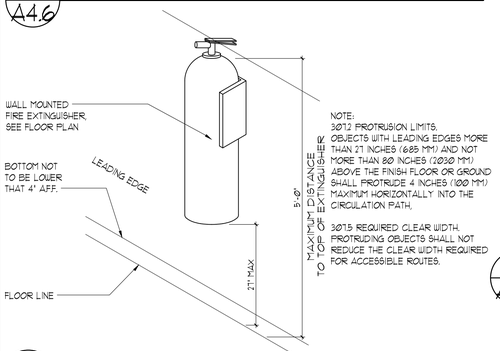


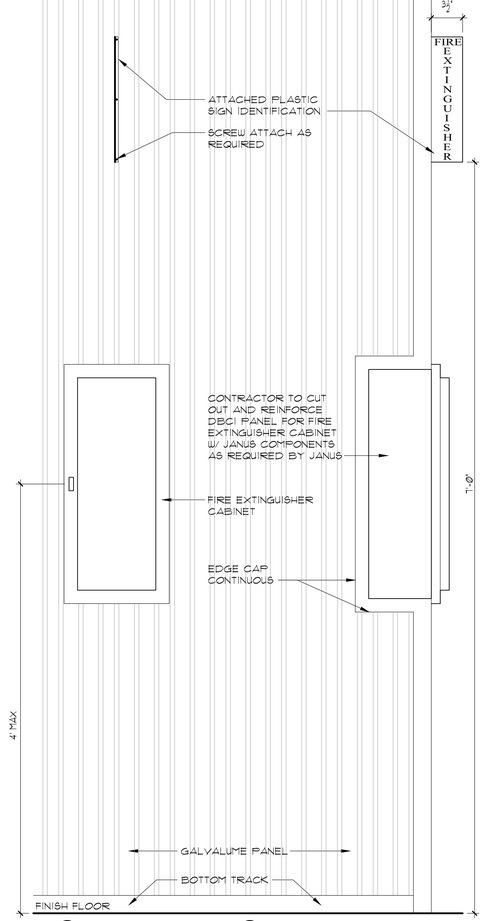
A FRONT VIEW B SIDE VIEW



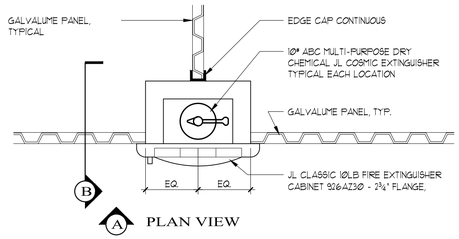
4 A4.6 RECESSED MOUNT F.E. CABINET DETAIL



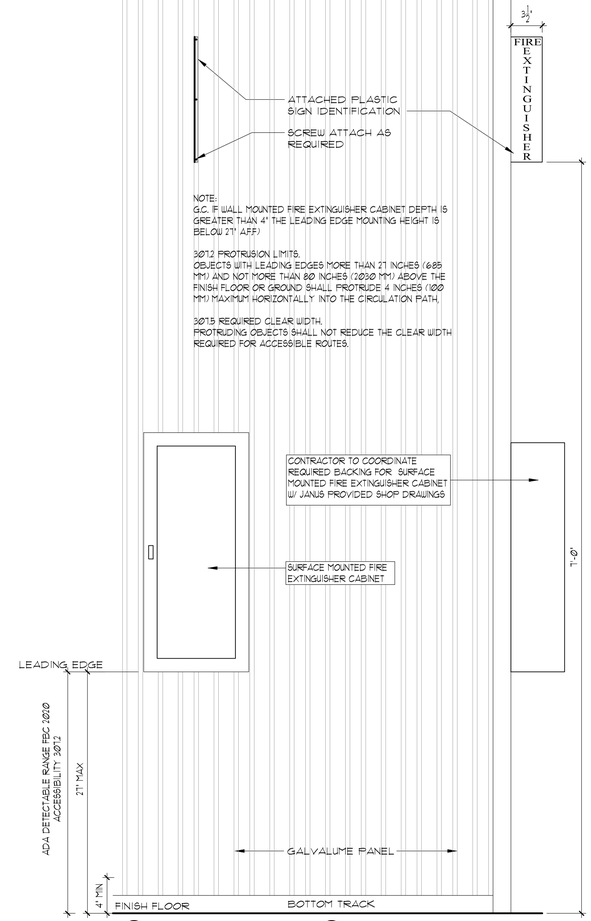
5 A4.6 WALL MOUNTED FIRE EXTINGUISHER



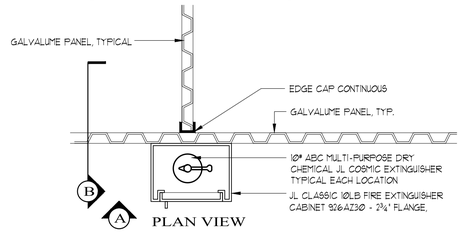
A FRONT VIEW B SIDE SECTION VIEW



3 A4.6 RECESSED MOUNTED F.E. CABINET DETAIL



A FRONT VIEW B SIDE SECTION VIEW



2 A4.6 WALL MOUNTED F.E. CABINET DETAIL

EGRESS NOTES AND 2023 CODE DATA

EXIT TRAVEL DISTANCE — FBC

OCCUPANCY	WITH SPRINKLER SYSTEM
S-1	250'-0"
B (ACCESSORY)	300'-0"

2023 FLORIDA BUILDING CODE, BUILDING - 1017.2 MEASUREMENT - EXIT ACCESS TRAVEL DISTANCE SHALL BE MEASURED FROM THE MOST REMOTE POINT WITHIN A STORY ALONG THE NATURAL AND OBSTRUCTED PATH OF HORIZONTAL AND VERTICAL EGRESS TRAVEL TO THE ENTRANCE TO AN EXIT.
WORST CASE =221'-5" < 250'-0" :. OK
WORST CASE =32'-0" < 300'-0" :. OK

EXIT TRAVEL DISTANCE — FFPC

OCCUPANCY	WITH SPRINKLER SYSTEM
S-1	400'-0"

2023 FFPC: 4226 TRAVEL DISTANCE SHALL NOT EXCEED 400'-0" IN STORAGE OCCUPANCIES PROTECTED THROUGHOUT BY AN APPROVED SUPERVISED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 9.7.1.1 (1)
WORST CASE = 221'-5" < 400'-0" :. OK

EXIT TRAVEL DISTANCE — FBC

OCCUPANCY	WITH SPRINKLER SYSTEM
B (ACCESSORY)	300'-0"

2023 FFPC: 38.2.6.3 TRAVEL DISTANCE SHALL NOT EXCEED 300'-0" IN BUSINESS OCCUPANCIES PROTECTED THROUGHOUT BY AN APPROVED SUPERVISED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 9.7
WORST CASE = 32'-0" < 300'-0" :. OK

COMMON PATH OF TRAVEL — FBC

OCCUPANCY	WITH SPRINKLER SYSTEM
S-1	100'-0"
B (ACCESSORY)	100'-0"

2023 FLORIDA BUILDING CODE, BUILDING - 1006.2.1 COMMON PATH OF EGRESS TRAVEL - THE COMMON PATH OF EGRESS TRAVEL SHALL NOT EXCEED THE COMMON PATH OF EGRESS TRAVEL DISTANCES IN TABLE 1006.2.1
WORST CASE = 0'-0" < 100'-0" :. OK
WORST CASE = 0'-0" < 100'-0" :. OK

COMMON PATH OF TRAVEL — FFPC

OCCUPANCY	WITH SPRINKLER SYSTEM
S-1	100'-0"

2023 FFPC: TABLE 42.2.5 COMMON PATH OF TRAVEL SHALL NOT EXCEED 100'-0" FT, IN A STORAGE BUILDING PROTECTED THROUGHOUT BY AN APPROVED SUPERVISED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 9.7.1.1. (1)
WORST CASE = 0'-0" < 100'-0" :. OK

COMMON PATH OF TRAVEL — FBC

OCCUPANCY	WITH SPRINKLER SYSTEM
B (ACCESSORY)	100'-0"

2023 FFPC: 38.2.5.3.1 COMMON PATH OF TRAVEL SHALL NOT EXCEED 100'-0" FT, IN A BUILDING PROTECTED THROUGHOUT BY AN APPROVED SUPERVISED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 9.7.1.1. (1)
WORST CASE = 0'-0" < 100'-0" :. OK

DEAD ENDS — FBC

OCCUPANCY	WITH SPRINKLER SYSTEM
S-1	50'-0"
B (ACCESSORY)	50'-0"

2023 FLORIDA BUILDING CODE, BUILDING - 1020.4 DEAD ENDS WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE ARE NO DEAD-ENDS IN CORRIDORS MORE THAN 20'-0" IN LENGTH.
EXCEPTION 2 - IN OCCUPANCIES IN GROUPS B, E, F, I-1, M, R-1, R-2, R-4, S AND U, WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1, THE LENGTH OF THE DEAD-END CORRIDORS SHALL NOT EXCEED 50'-0" FT.
WORST CASE = 11'-9" < 50'-0" :. OK
WORST CASE = 0'-0" < 50'-0" :. OK

DEAD ENDS — FFPC

OCCUPANCY	WITH SPRINKLER SYSTEM
S-1	100'-0"

2023 FFPC: TABLE 42.2.5 DEAD END CORRIDOR SHALL NOT EXCEED 100'-0" FT, IN A STORAGE BUILDING PROTECTED THROUGHOUT BY AN APPROVED SUPERVISED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 9.7.1.1. (1)
WORST CASE =11'-9" < 100'-0" :. OK

FIRE EXTINGUISHER — FBC

OCCUPANCY	WITH SPRINKLER SYSTEM
B (ACCESSORY)	50'-0"

2023 FFPC: 38.2.5.2.1 IN BUILDINGS PROTECTED THROUGHOUT BY AN APPROVED, SUPERVISED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 9.7.1.1 (1) DEAD END CORRIDORS SHALL NOT EXCEED 50'-0"
WORST CASE = 0'-0" < 50'-0" :. OK

'S1' STORAGE OCCUPANCY
'B' BUSINESS ACCESSORY OCCUPANCY

SYMBOL: (FE) FIRE EXTINGUISHER LOCATIONS (TEMPORARY & FINAL)

PROVIDE TEMPORARY FIRE EXTINGUISHERS W/ A MIN. RATING OF 3A-40BC AT LOCATIONS SHOWN ON PLANS. EXTINGUISHERS ARE TO BE LOCATED AT EACH EXIT AND W/ A MAX. TRAVEL DISTANCE OF 75'-0" BETWEEN. FIRE EXTINGUISHERS ARE TO BE ON SITE & AT THE LOCATIONS SHOWN FROM START OF CONSTRUCTION. THE SAME EQUIP. WILL BE INSTALLED PERMANENTLY. CONSTRUCTION PERSONNEL SHALL BE INSTRUCTED IN THE USE OF THE EQUIP.

PROVIDE A MINIMUM 3A-40BC FIRE EXTINGUISHERS AT LOCATIONS AS DETERMINED BY THE FIRE MARSHAL FOR ORDINARY (MODERATE) HAZARD OCCUPANCY. BID SHALL COVER (1) EXTINGUISHER AND CABINET AT EA. EXIT AND (1) EXTINGUISHER AND CABINET EVERY 75'-0" OF TRAVEL DISTANCE. REFER TO EGRESS PLANS FOR NOTATED LOCATIONS. EXTINGUISHERS SHALL BE SURFACE MOUNTED OR AS OTHERWISE SHOWN AT A MOUNTING HEIGHT DICTATED BY FIRE MARSHAL. EACH CORRIDOR LOCATION SHALL ALSO HAVE A SIGN MOUNTED ABOVE THE FIRE EXTINGUISHER CABINET AND PERPENDICULAR TO THE WALL IDENTIFIED AS "EXTINGUISHER" PER CODE AND THE REQUIREMENTS OF FIRE MARSHAL.

NOTE THAT STEEL CABINETS TO BE USED FOR ALL CABINET MOUNTED FIRE EXTINGUISHERS, UNLESS NOTED OTHERWISE. REFER ALSO TO FIRE REPORT BY FIRE PROTECTION ENGINEER FOR ADD'L FIRE SAFING COORDINATION LOCATION OF KNOX BOX WITH FIRE MARSHAL. KNOX BOX TO INCLUDE LABELLED KEYS FOR BLDG ENTRIES, ROOF ACCESS DOOR, AND FIRE ACCESS DOORS, PLUS ANY ADDITIONAL MASTER KEYS REQUIRED BY FIRE MARSHAL. KNOX BOX MUST CONTAIN MASTER KEY.

NOTE: NFPA 10
6.1.3.9.1 FIRE EXTINGUISHERS HAVING A GROSS WEIGHT NOT EXCEEDING 40 LB SHALL BE INSTALLED SO THAT THE TOP OF THE FIRE EXTINGUISHER IS NOT MORE THAN 5 FT AFF.

6.1.3.9.3 IN NO CASE SHALL THE CLEARANCE BETWEEN THE BOTTOM OF THE HAND PORTABLE FIRE EXTINGUISHER AND THE FLOOR BE LESS THAN 4 IN.

SEE ELECTRICAL PLANS FOR EGRESS LIGHTING AND EMERGENCY EXIT SIGN LOCATIONS.

THE FOLLOWING SHALL BE INSTALLED AS INDICATED IN THE FIELD BY THE FIRE DEPT. THE SIGN SHALL BE IN LETTERS NOT LESS THAN 1" HIGH AND SHALL READ AS FOLLOWS:
" FIRE DOOR
DO NOT OBSTRUCT "

GENERAL NOTES

1. REFER TO SHEET A1.0, CODE DATA, FOR ADDITIONAL F.B.C. CODE DATA SPECIFICATIONS AND CLARIFICATIONS.
2. REFER TO ELECTRICAL PLANS FOR EGRESS PATH LIGHTING REQUIREMENTS AND SPECIFICATIONS.
3. ALL EXIT SIGNS, REFER TO ELECTRICAL ENGINEER'S DRAWINGS FOR SPECIFICATIONS.

NOTE TO CONTRACTOR:
PROVIDE 4" HIGH RED LETTERING AS FOLLOWS: 'FIRE RATED WALL - PROTECT ALL OPENINGS' - SIGN TO BE REPEATED @ 10'-0" INTERVALS, TYP. BOTH SIDES OF ALL RATED WALLS. @ PARTITIONS REFER TO FLOOR PLANS FOR WALL TYPES.

PER 2020 '703.7 FLORIDA BUILDING CODE, BUILDING, FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, & SMOKE PARTITIONS OR ANY OTHER WALL REQ'D TO HAVE PROTECTED OPENINGS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN A MANNER ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION. SUCH IDENTIFICATION SHALL BE ABOVE ANY DECORATIVE CEILING AND IN CONCEALED SPACES. SUGGESTED WORDING FOR FIRE AND SMOKE BARRIERS: 'FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS'

PER 2020 FLORIDA BUILDING CODE - 1013.4 RAISED CHARACTER AND BRAILLE EXIT SIGNS.
A SIGN STATING EXIT IN VISUAL CHARACTERS, RAISED CHARACTERS, AND BRAILLE AND COMPLYING WITH THE FLORIDA BUILDING CODE, ACCESSIBILITY SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN AREA OF REFUGE, AN EXTERIOR AREA FOR ASSISTED RESCUE, AN EXIT STAIRWAY OR RAMP, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE.

1 A4.6 EGRESS NOTES AND CODE LISTING DATA

BDA NOTE

1. FIRE DEPARTMENT RADIO COMMUNICATIONS WILL NEED TO BE MAINTAINED THROUGH OUT THE BUILDING. A PROPOSED B.D.A. STUDY FOR THE BUILDING SHALL BE PERFORMED TO DETERMINE THE NUMBER AND PLACEMENT OF RADIO REPEATERS, NEED TO MAINTAIN THE RADIO COVERAGE AS PER NFPA 72, ANNEX Ø, SECTION Ø.3.2.1-Ø.3.3.3. SIGNAL STRENGTH AND FREQUENCIES SHALL BE APPROVED BY AHJ.
2. RADIO ENHANCEMENT SYSTEM WILL BE PROVIDED TO THE FIRE DEPARTMENT SPECIFICATION IF COMMUNICATION LEVEL IS NOT ACHIEVED AS DETERMINED BY AHJ.
3. A 2-HR. RATED ENCLOSURE WALL SECTION WILL BE PROVIDED WITH A J-BOX, PROVIDED AT EACH FLOOR OF THE BUILDING FOR THE PURPOSE OF WIRING OF DEVICES IF FOUND TO BE REQUIRED. J-BOXES WILL BE INSTALLED AT 5'-0" AFF INCLUDING FIRST FLOOR
4. CONTRACTOR SHALL DESIGN/ BUILD THE BDA SYSTEM, COORDINATE WITH LOCAL AUTHORITIES AND INCLUDE ALL LABOR, MATERIAL, TESTING, DESIGN, DRAWINGS, PRE-DESIGN BDA STUDIES, RF, SURVEY'S, SYSTEM COMMISSIONING, TO MEET THE CITY AND NATIONAL REQUIREMENTS.

north stair
floor
2
no roof access
down to first floor
for exit discharge

EXAMPLE OF A STAIRWAY MARKETING SIGN AT STAIR. BRAILLE TACTILE IDENTIFICATION REQUIRED. SUBMIT SHOP DRAWING FOR APPROVAL

F.F.P.C.
1223.4 STAIRWAY IDENTIFICATION
1223.4.1 NEW ENCLOSED STAIR SERVING THREE OR MORE STORIES AND EXISTING ENCLOSED STAIRS, OTHER THAN THOSE ADDRESSED IN 1223.4.1(P.), SERVING FIVE OR MORE STORIES SHALL COMPLY WITH 1223.4.1(A.) THROUGH 1223.4.1(O.).
(A.) THE STAIRS SHALL BE PROVIDED WITH SPECIAL SIGNAGE WITHIN THE ENCLOSURE AT EACH FLOOR LANDING.
(B.) THE SIGNAGE SHALL INDICATE THE FLOOR LEVEL.
(C.) THE SIGNAGE SHALL INDICATE THE TERMINUS OF THE TOP AND BOTTOM OF THE STAIR ENCLOSURE.
(D.) THE SIGNAGE SHALL INDICATE THE IDENTIFICATION OF THE STAIR ENCLOSURE.
(E.) THE SIGNAGE SHALL INDICATE THE FLOOR LEVEL OF, AND THE DIRECTION TO, EXIT DISCHARGE.
(F.) THE SIGNAGE SHALL BE LOCATED INSIDE THE ENCLOSURE.
(G.) THE BOTTOM OF THE SIGNAGE SHALL BE LOCATED A MINIMUM OF 48 in. (1220mm) ABOVE THE FLOOR LANDING, AND THE TOP OF THE SIGNAGE SHALL BE LOCATED A MAXIMUM OF 84 in. (2135mm) ABOVE THE FLOOR LANDING.
(H.) THE SIGNAGE SHALL BE IN A POSITION THAT IS VISIBLE WHEN THE DOOR IS IN THE OPEN OR CLOSED POSITION.
(I.) THE SIGNAGE SHALL COMPLY WITH 7.10.8.1 AND 7.10.8.2.
(J.) THE FLOOR LEVEL DESIGNATION SHALL ALSO BE TACTILE IN ACCORDANCE WITH ICC/ANSI A117.1 AMERICAN NATIONAL STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES.
(K.) THE SIGNAGE SHALL BE PAINTED OR STENCILED ON THE WALL OR ON A SEPARATE SIGN SECURELY ATTACHED TO THE WALL.
(L.) THE STAIRWAY IDENTIFICATION SHALL BE LOCATED AT THE TOP OF THE SIGN IN MINIMUM 1 IN. (25mm) HIGH LETTERING AND SHALL BE IN ACCORDANCE WITH 7.10.8.2.
(M.) SIGNAGE THAT READS 'NO ROOF ACCESS' SHALL DESIGNATE STAIRWAYS THAT DO NOT PROVIDE ROOF ACCESS. LETTERING SHALL BE A MINIMUM OF 1 in. (25mm) HIGH AND SHALL BE IN ACCORDANCE WITH 7.10.8.2.
(N.) THE FLOOR LEVEL NUMBER SHALL BE LOCATED BELOW THE STAIRWAY IDENTIFIER IN MINIMUM 5 in. (125mm) HIGH NUMBERS AND SHALL BE IN ACCORDANCE WITH 7.10.8.2. MEZZANINE LEVELS SHALL HAVE THE LETTER 'M' OR OTHER APPROPRIATE IDENTIFICATION LETTER PRECEDING THE FLOOR NUMBER. WHILE BASEMENT LEVELS SHALL HAVE THE LETTER 'B' OR OTHER APPROPRIATE IDENTIFICATION LETTER PRECEDING THE FLOOR LEVEL NUMBER.
(O.) IDENTIFICATION OF THE LOWER AND UPPER TERMINUS OF THE STAIRWAY SHALL BE ON THE SIGN IN MIN. 1 in. (25mm) HIGH LETTERS OR NUMBERS AND SHALL BE IN ACCORDANCE WITH 7.10.8.2.

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SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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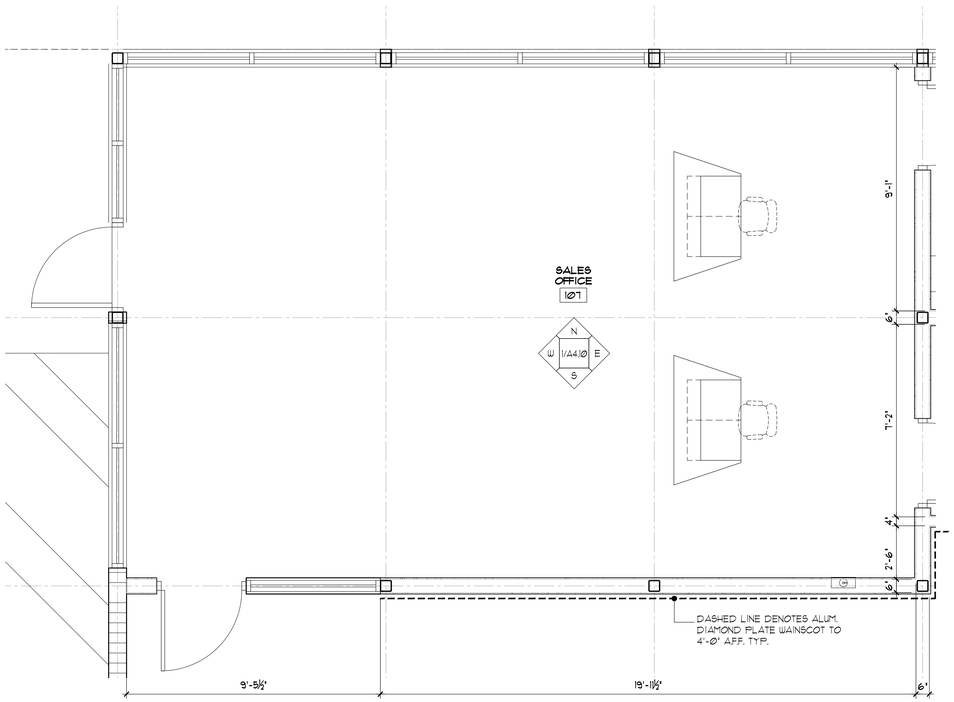
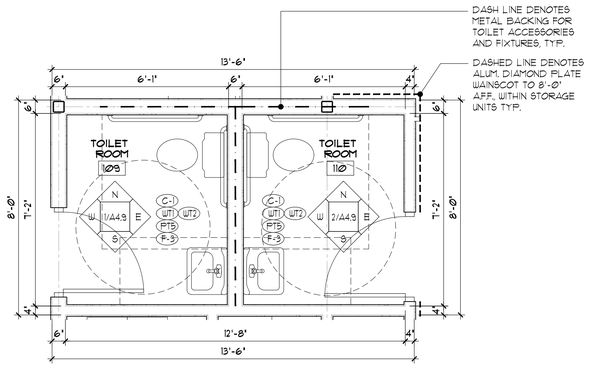


1 A4.1 ENLARGED PLAN @ SALES OFFICE (107)

3/8" = 1'-0"

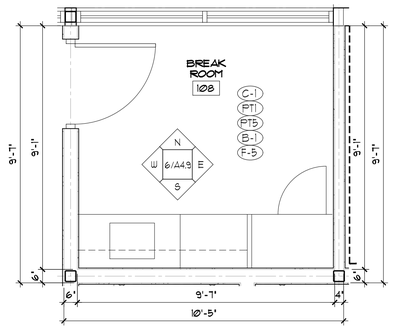
NORTH



2 A4.1 ENLARGED PLAN @ TOILET ROMS (109 & 110)

3/8" = 1'-0"

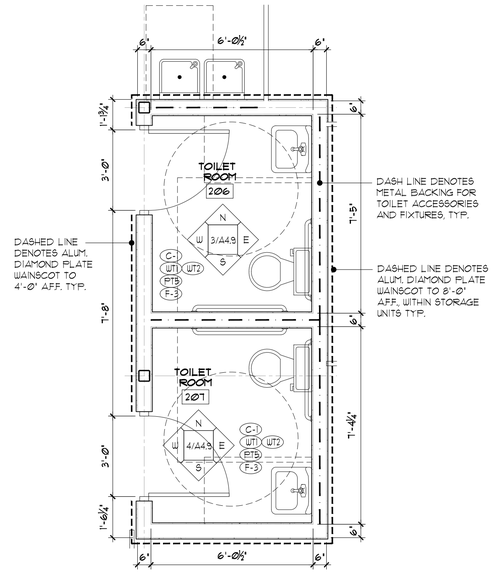
NORTH



3 A4.1 ENLARGED PLAN @ BREAK RM (108)

3/8" = 1'-0"

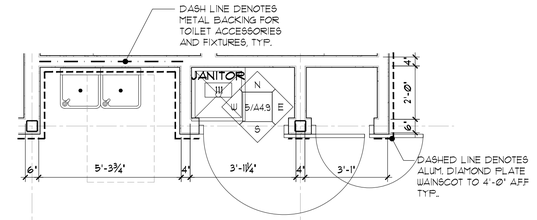
NORTH



4 A4.1 ENLARGED PLAN @ TOILET RMS (206 & 207)

3/8" = 1'-0"

NORTH

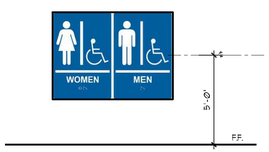


5 A4.1 ENLARGED PLAN @ JANITOR (111)

3/8" = 1'-0"

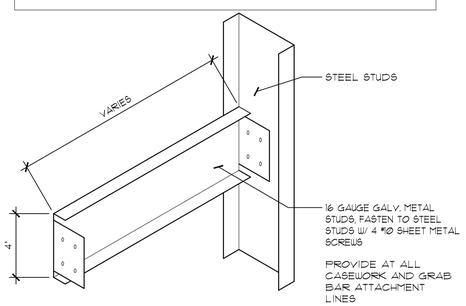
NORTH

GENERAL NOTE:
CONTRACTOR TO SUPPLY METAL GROUNDS AS REQUIRED FOR ALL WALL MOUNTED ACCESSORIES & FIXTURES IN ALL EXISTING & NEW WALLS. AT LOCATIONS TO BE VERIFIED WITH TENANT OR AT LOCATIONS REQUIRING MILLWORK. BLOCKING AND FASTENERS MUST CONFORM TO A MINIMUM SHEAR AND STRUCTURAL STRESS AS OUTLINED IN 426.3 CODE OF FEDERAL REGULATIONS (28 CFR PART 36).



6 A4.1 ADA SIGNAGE

N.T.S



7 A4.1 WALL MOUNT BRACKET DETAIL

N.T.S

TOILET ACCESSORIES			
NO.	DESCRIPTION	MANUFACTURER / MODEL / SPECS	REMARKS
1	FLOOR MOUNTED TOILET	SEE MEP DRAWINGS FOR ADDITIONAL INFO.	17"-18" MAX. TOP OF SEAT
2	SURFACE MOUNTED LAVATORY W/ PLUMBING GUARD	ALL EXPOSED PIPES MUST BE INSULATED SEE MEP DRAWINGS FOR ADDITIONAL INFO.	34" MAX. TO TOP OF LAVATORY
3	MIRROR	BOBRICK B-165 (1830) SERIES WITH STAINLESS STEEL CHANNEL FRAME OR APPROVED EQUAL	18" x 30" - 40" MAX. HT. TO BOTT. EDGE
4	SOAP DISPENSER	GOJO TFX TOUCH FREE FOAM SOAP DISPENSER, MODEL #2730-12 (BLACK FINISH)	48" MAX. TO THE BUTTON OF DISPENSER
5	TOILET PAPER DISPENSER	TORK MATIC, MINI JUMBO ROLL DISPENSER, MODEL #5555290	19" MIN. TO CENTER OF DISPENSER
6	ELECTRIC HAND DRYER	XLERATOR HAND DRYER MODEL XL-W, WHITE FINISH	48" MAX. TO BOTTOM OF HAND DRYER
7	TOILET SEAT COVER DISPENSER	BOBRICK, MODEL B-221 STAINLESS STEEL, SURFACE MOUNTED OR APPROVED EQUAL	15"- 48" MAX. TO OPENING OF DISPENSER
8	COAT HOOK	BOBRICK B-211 EXPOSED MOUNTING OR OWNER'S APPROVED EQUAL	48" MAX.
9	36" GRAB BAR	BOBRICK B-5806 X 36 W/ CONCEALED MOUNTING (STAINLESS STEEL, SATIN FINISH)	33"-36" MAX. TO TOP OF BAR
10	42" GRAB BAR	BOBRICK B-5806 X 42 W/ CONCEALED MOUNTING (STAINLESS STEEL, SATIN FINISH)	33"-36" MAX. TO TOP OF BAR
11	DRINKING FOUNTAIN	ELKAY ADA BI-LEVEL LZSTL8LC - (SEE PLUMBING DRAWINGS FOR MORE INFO.)	
12	ADA RESTROOM SIGN	ASI-"INCAST" OR OWNER'S APPROVED EQUAL	BRUSHED CHROME
13	PAPER TOUEL DISPENSER	TORK ELEVATION, MODEL #551202	TO BE INSTALLED IN JANITOR CLOSET

NOTES:
1. ALL TOILET ACCESSORIES SHOWN ARE TO BE BOBRICK, OR OWNER'S APPROVED EQUAL, TYP. (U.O.N.)
2. THE 6 OF FIXTURES ARE TO BE LOCATED FROM FINISHED FACE OF SIDE WALLS DIMENSIONED, TYP.
3. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
4. CONTRACTOR TO REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
5. CONTRACTOR TO SUBMIT CUT SHEETS FOR ALL BATHROOM FIXTURES, TRIM AND ACCESSORIES PRIOR TO PURCHASE FOR SHOP DRAWING APPROVAL BY ARCHITECT OR OWNER

GENERAL NOTES

1. ALL TOILET FIXTURES AND ACCESSORIES TO BE AS SPECIFIED, UNLESS NOTED OTHERWISE. DESIGNATED HANDICAPPED RESTROOMS TO MEET A.D.A. AND HANDICAPPED REQUIREMENTS.
2. ALL OPERABLE PARTS OR MECHANISMS FOR HANDICAPPED TOILET FIXTURES AND ACCESSORIES SHALL NOT BE HIGHER THAN 48" A.F.F. REFER TO INDIVIDUAL MECHANISMS FOR ADDITIONAL F.B.C. REQUIREMENTS.
3. ALL PIPES UNDER LAVATORIES TO BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES. REFER TO F.B.C.-ACCESSIBILITY, SECTION 606.5
4. ALL GYPSUM WALL BOARD TO BE USED INSIDE RESTROOMS AND JANITORIAL CLOSETS TO BE MOISTURE RESISTANT (M.R.), UNLESS NOTED OTHERWISE.
5. PER F.B.C.-ACCESSIBILITY, SECTION 606.4: CONTROL FOR FAUCETS SHALL COMPLY WITH SECTION 309. HAND-OPERATED METERING FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MINIMUM.
6. PER F.B.C.-ACCESSIBILITY, SECTION 606.3, MIRRORS SHALL BE MOUNTED WITH THE BOTTOM OF THE REFLECTING SURFACE NO HIGHER THAN 40 INCHES A.F.F. TYPICAL
7. PER F.B.C.-ACCESSIBILITY, SECTION 606.2, THE LAVATORY CLEAR SPACE IS 30 INCHES BY 48 INCHES (MIN.) COMPLYING WITH F.B.C.-ACCESSIBILITY, SECTION 305 & 306. IT SHALL BE PROVIDED IN FRONT OF THE LAVATORY TO ALLOW FOR FORWARD APPROACH, SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE & EXTEND A MAX. OF 19 INCHES UNDERNEATH THE LAVATORY.
8. PER F.B.C.-ACCESSIBILITY, SECTION 604.6, FLUSH CONTROLS SHALL BE HAND-OPERATED OR AUTOMATIC & SHALL COMPLY WITH SECTION 309. FLUSH CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS NO MORE THAN 44 INCHES A.F.F.
9. PER F.B.C.-ACCESSIBILITY, SECTION 604.7, TOILET PAPER DISPENSERS SHALL BE INSTALLED WITHIN REACH, AND IN COMPLIANCE WITH F.B.C.-ACCESSIBILITY SECTIONS 604.7 AND 309.4. DISPENSERS THAT CONTROL DELIVERY, OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW, SHALL NOT BE USED.
10. PER F.B.C.-ACCESSIBILITY, SECTION 306.3, KNEE-CLEARANCE THAT IS AT LEAST 27 INCHES HIGH, 30 INCHES WIDE, AND 11 INCHES DEEP MINIMUM SHALL BE PROVIDED UNDERNEATH SINKS/LAVATORIES.
11. ALL TOILET ROOM ACCESSORIES SHOWN ARE BY BOBRICK OR AS SELECTED BY OWNER, TYP. (U.O.N.)
12. CONTRACTOR TO SUBMIT CUT SHEETS FOR ALL BATHROOM FIXTURES, TRIM AND ACCESSORIES PRIOR TO PURCHASE FOR SHOP DRAWING APPROVAL BY OWNER.
13. ALL FIXTURES AND ACCESSORIES HAVE TO COMPLY WITH AND HAVE TO BE MOUNTED TO MEET ALL APPLICABLE HANDICAPPED ACCESSIBLE CODES AND "ADA" STANDARDS, TYPICAL.
14. DISPOSAL RECEPTOR IS FIGURED AS A WASTE BASKET ON THE FLOOR SUPPLIED BY OWNER / TENANT
15. CONTRACTOR TO SUPPLY FIRE RETARDANT, TREATED WOOD OR METAL BACKING AT THE HEIGHTS INDICATED TO SUPPORT ALL GRAB BARS AND FIXTURES. BLOCKING AND FASTENERS MUST CONFORM TO A MINIMUM SHEAR AND STRUCTURAL STRESS AS OUTLINED IN 426.3 CODE OF FEDARAL REGULATIONS (28 CFR PART 36).

8 A4.1 TOILET ROOM ACCESSORIES & GENERAL NOTES

N.T.S

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TOWN OF GLEN RIDGE
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CONSTRUCTION DOCUMENTS

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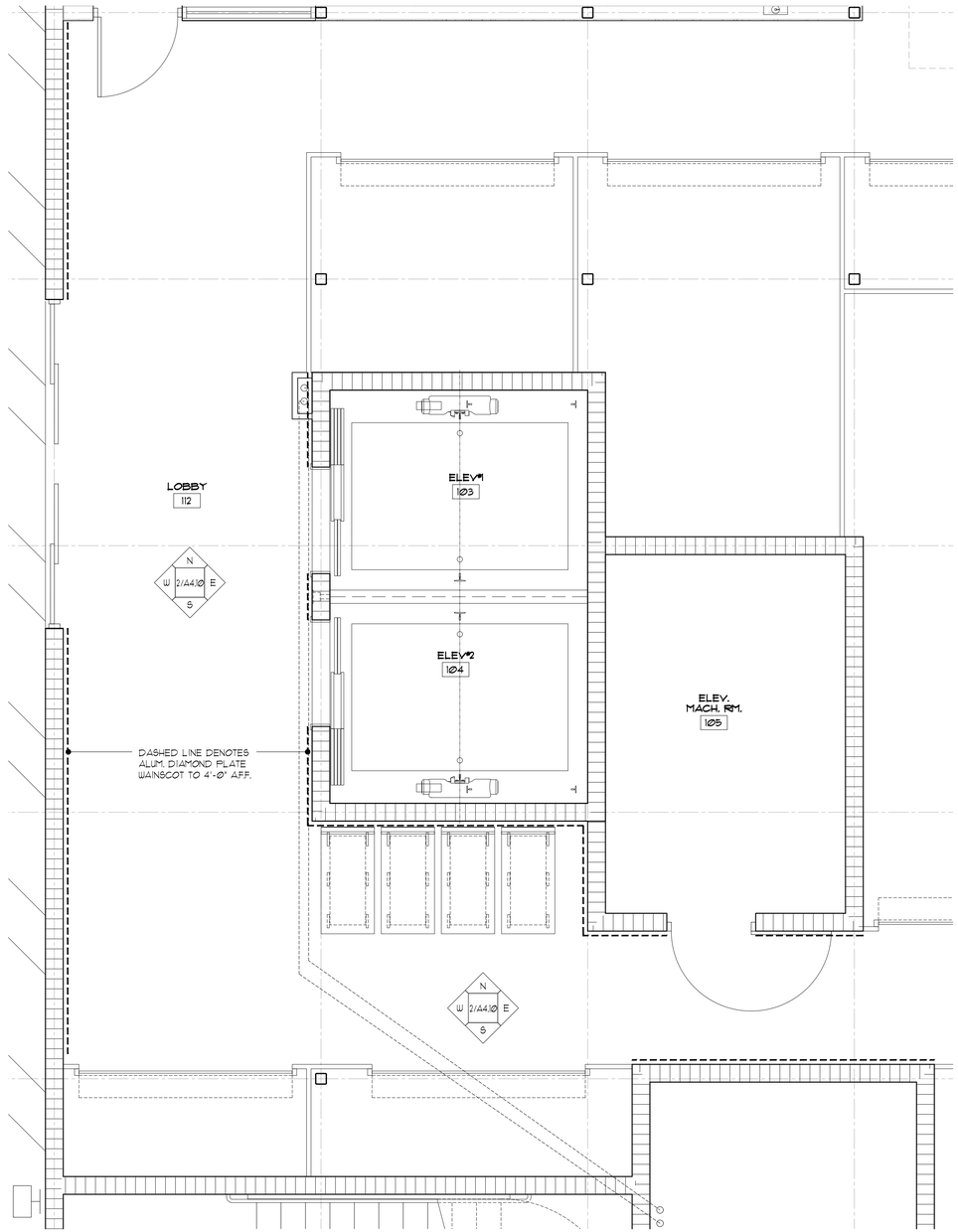
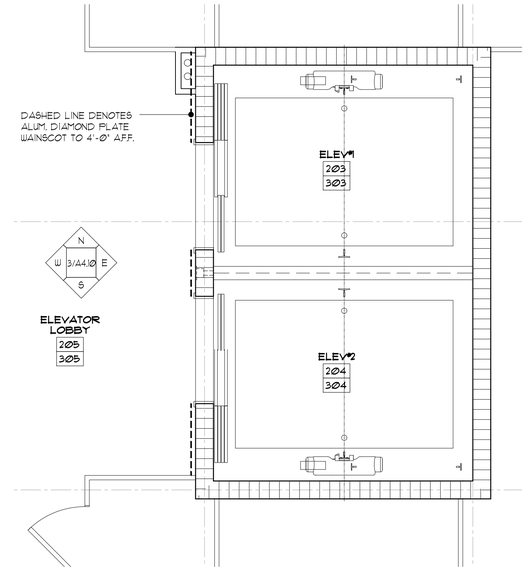


1 / A4.8 ENLARGED PLAN @ LOBBY (112)

3/8" = 1'-0"

NORTH



2 / A4.8 ENLARGED PLAN @ ELEV. LOBBY (205 & 305)

3/8" = 1'-0"

NORTH

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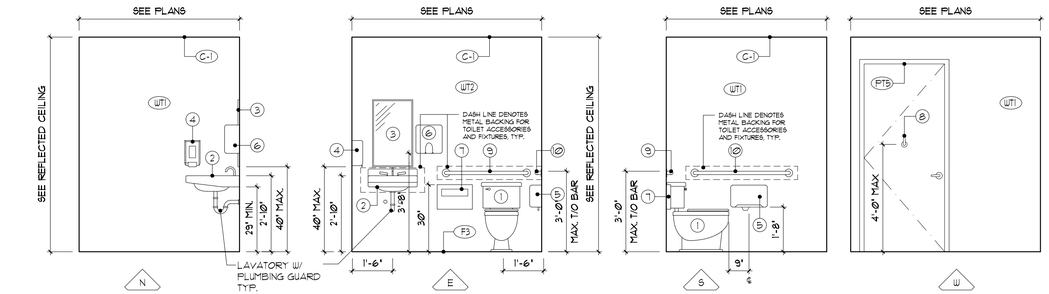
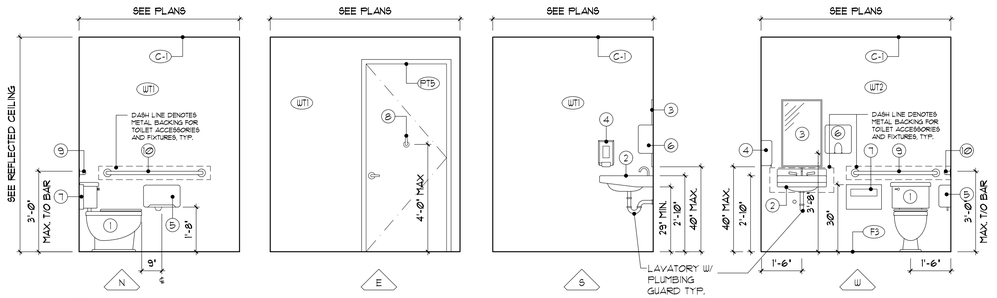


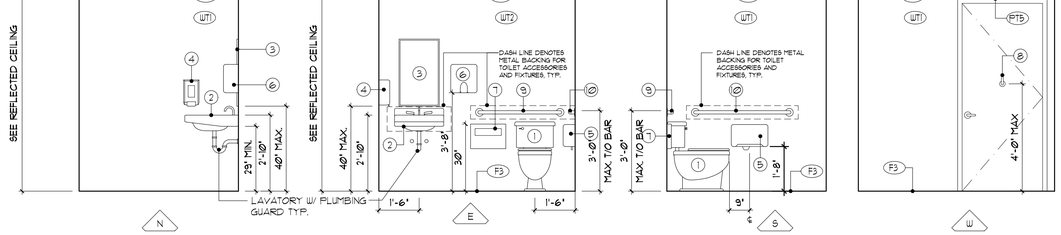
1 / A4.9 INTERIOR ELEVATIONS @ TOILET RM (109)

3/8" = 1'-0"



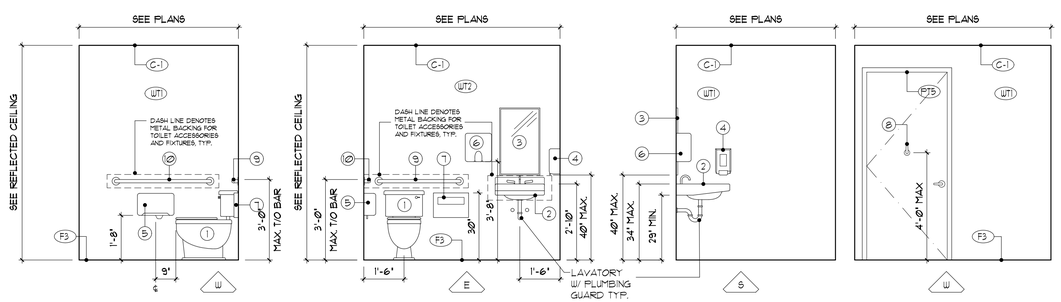
2 / A4.9 INTERIOR ELEVATIONS @ TOILET RM (110)

3/8" = 1'-0"



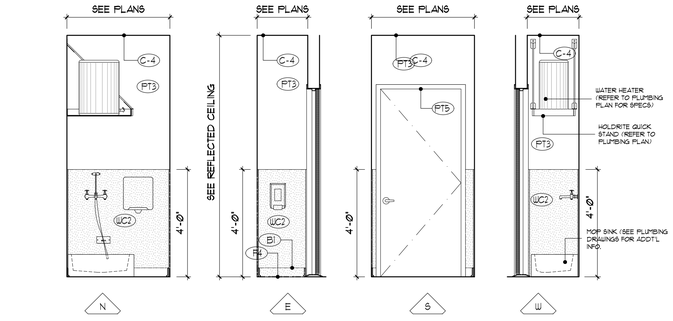
3 / A4.9 INTERIOR ELEVATIONS @ TOILET RM (206)

3/8" = 1'-0"



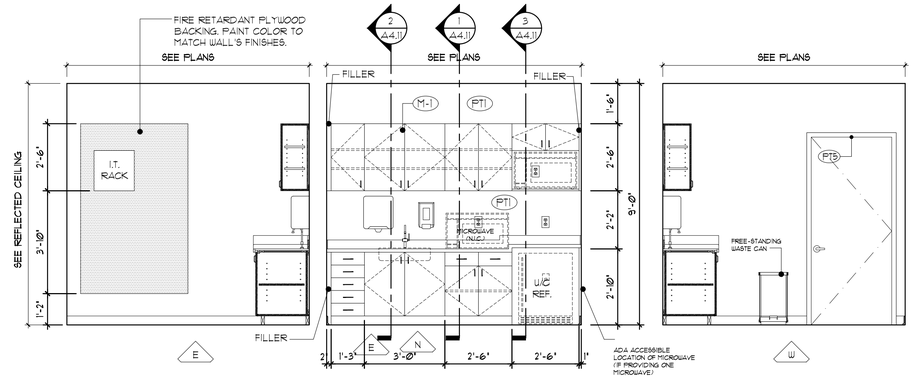
4 / A4.9 INTERIOR ELEVATIONS @ TOILET RM (207)

3/8" = 1'-0"



5 / A4.9 INTERIOR ELEVATIONS @ JANITOR (111)

3/8" = 1'-0"



6 / A4.9 INTERIOR ELEVATIONS @ BREAKROOM (108)

3/8" = 1'-0"

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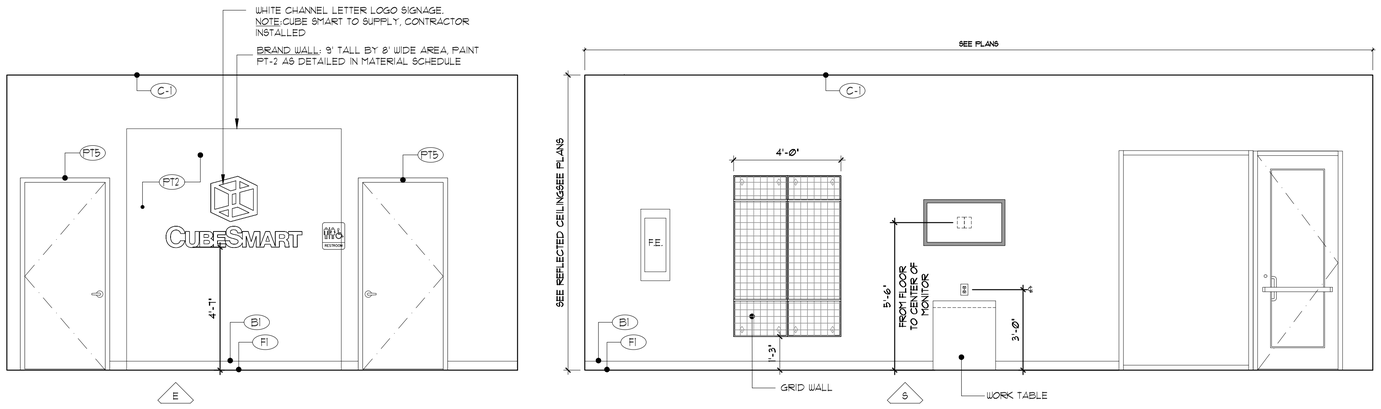
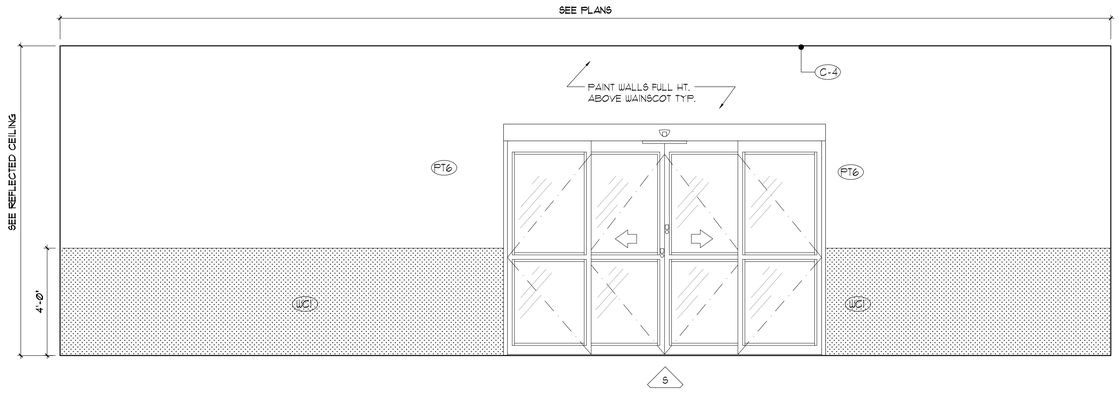
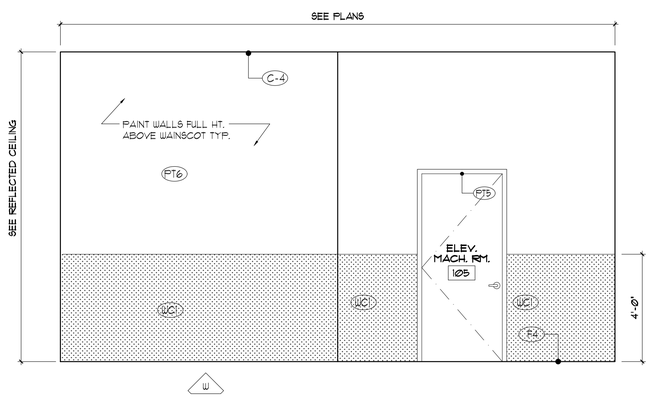
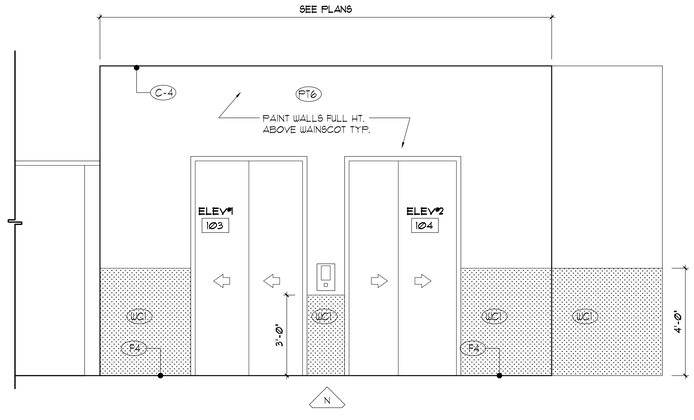


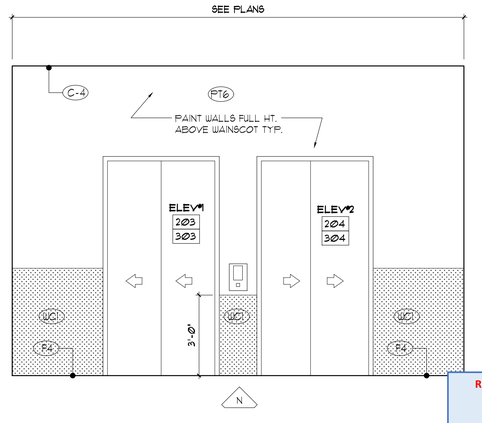
1 A4.10 **INTERIOR ELEVATIONS @ SALES OFFICE (107)**
3/8" = 1'-0"







2 A4.10 **INTERIOR ELEVATIONS @ LOBBY (112)**
3/8" = 1'-0"



3 A4.10 **INTERIOR ELEVATIONS @ ELEV. LOBBY (205 & 305)**
3/8" = 1'-0"

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GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
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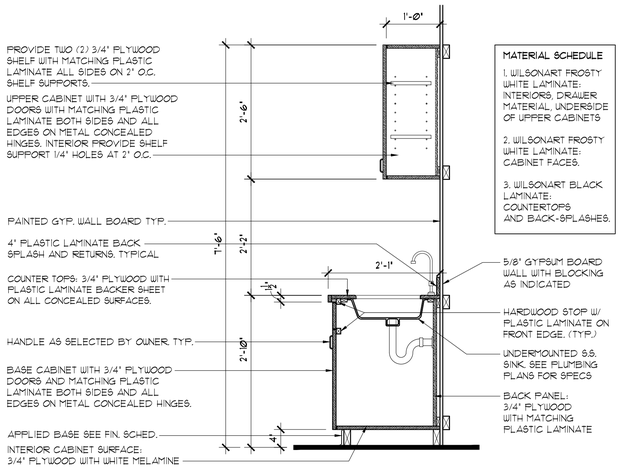
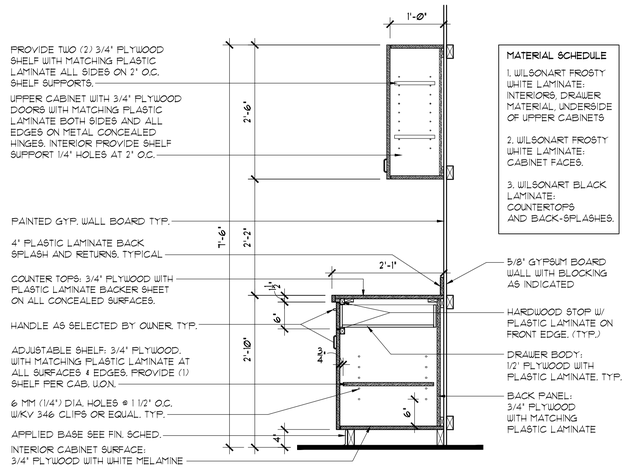


1 A4.11 **MILLWORK**
3/4" = 1'-0"



2 A4.11 **MILLWORK**
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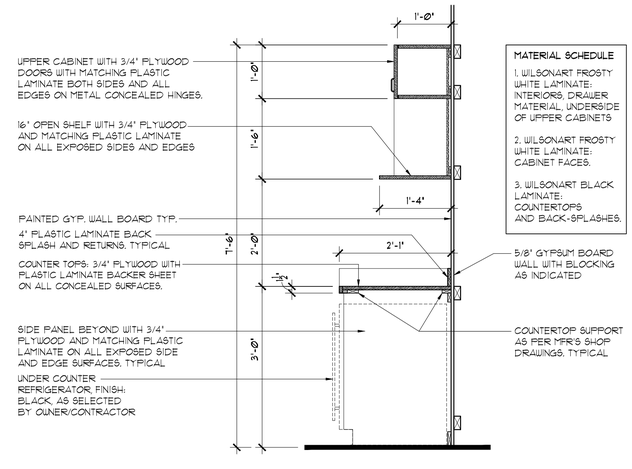

3 A4.11 **MILLWORK**
3/4" = 1'-0"

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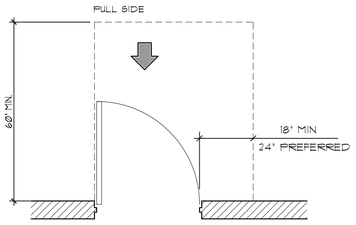
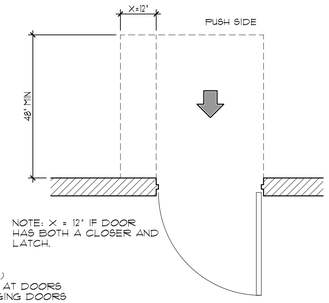
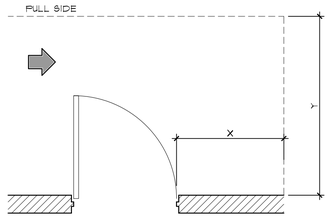


NOTE: ALL DOORS IN ALCOVES SHALL COMPLY WITH THE CLEARANCES FOR FRONT APPROACH.



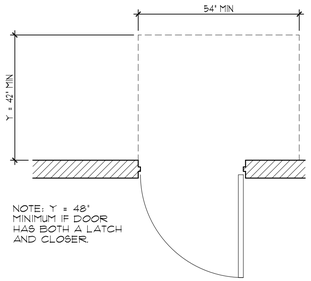
NOTE: X = 12" IF DOOR HAS BOTH A CLOSER AND LATCH.

ADAAG FIGURE 25(a)
MANEUVERING CLEARANCES AT DOORS
FRONT APPROACHES - SWINGING DOORS



NOTE: X = 36" MINIMUM IF Y = 60"±
X = 42" MINIMUM IF Y = 54".

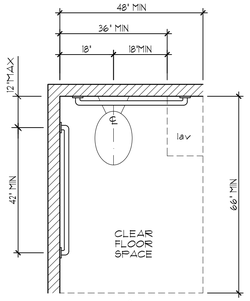
NOTE: ALL DOORS IN ALCOVES SHALL COMPLY WITH THE CLEARANCES FOR FRONT APPROACHES.



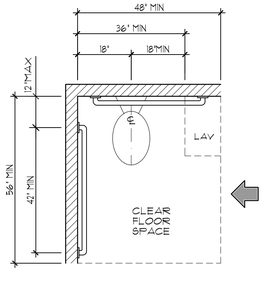
NOTE: Y = 48" MINIMUM IF DOOR HAS BOTH A LATCH AND CLOSER.

ADAAG FIGURE 25(b)
MANEUVERING CLEARANCES AT DOORS
HINGE SIDE APPROACHES - SWINGING DOORS

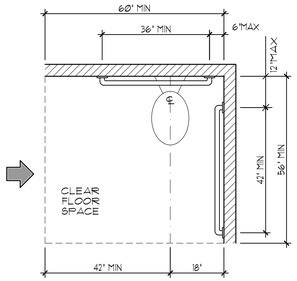
1 A4.12 ADA DOOR APPROACH MINIMUM
1/2"=1'-0"



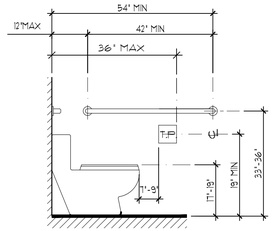
ADAAG FIGURE 28(a)
CLEAR FLOOR SPACE AT WATER CLOSETS



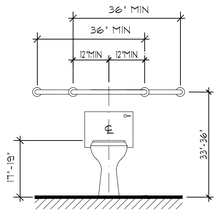
ADAAG FIGURE 28(b)
CLEAR FLOOR SPACE AT WATER CLOSETS



ADAAG FIGURE 28(c)
CLEAR FLOOR SPACE AT WATER CLOSETS



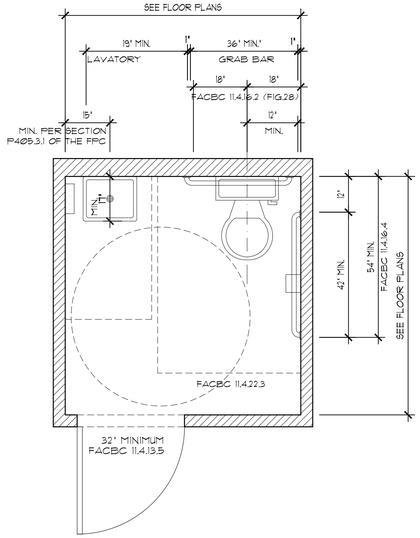
ADAAG FIGURE 29(b)
GRAB BARS AT WATER CLOSETS
SIDE WALL



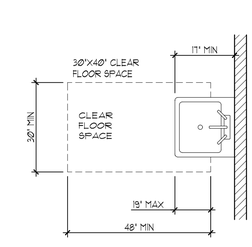
ADAAG FIGURE 29(a)
GRAB BARS AT WATER CLOSETS
BACK WALL

SEE DETAIL ELSEWHERE FOR BACKING MINIMUM REQUIREMENTS IN FRAMED WALLS ATTACH TO CONCRETE WALLS WHEN POSSIBLE WITH FILLED CELLS

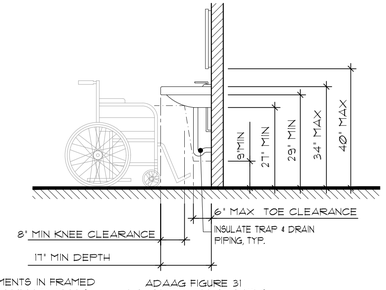
2 A4.12 GRAB BAR INSTALLATION MINIMUM
1/2"=1'-0"



3 A4.12 ADA RESTROOM
1/2"=1'-0"



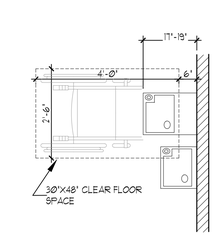
ADAAG FIGURE 32
CLEAR FLOOR SPACE AT LAVATORIES



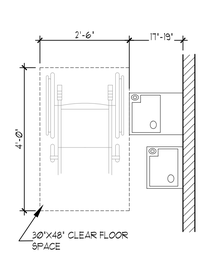
ADAAG FIGURE 31
LAVATORY CLEARANCES

SEE DETAIL ELSEWHERE FOR BACKING MINIMUM REQUIREMENTS IN FRAMED WALLS ATTACH TO CONCRETE WALLS WHEN POSSIBLE WITH FILLED CELLS

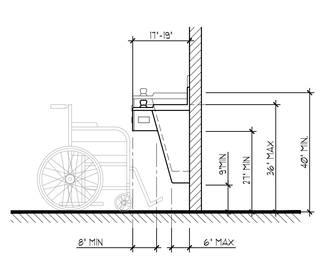
4 A4.12 LAVATORY CLEARANCE MINIMUM
1/2"=1'-0"



ADAAG FIGURE 27(b)
DRINKING FOUNTAINS AND WATER COOLERS
CLEAR FLOOR SPACE

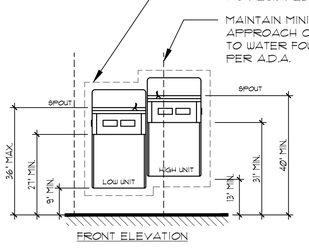


ADAAG FIGURE 27(b)
DRINKING FOUNTAINS AND WATER COOLERS
CLEAR FLOOR SPACE



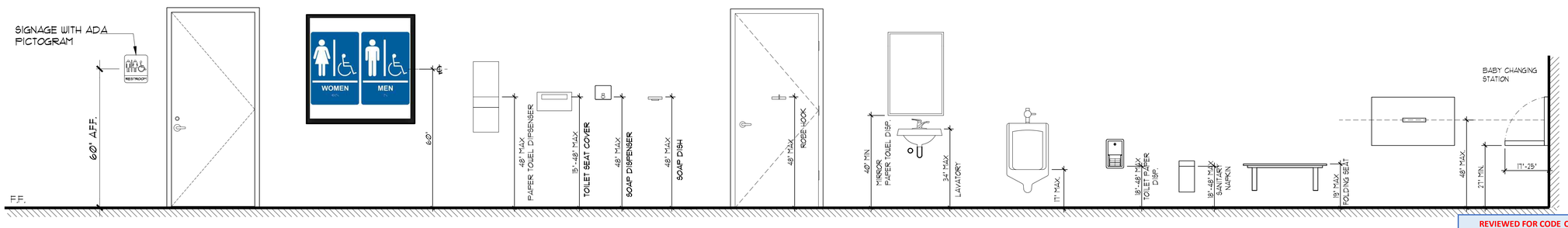
NOTE: EQUIPMENT PERMITTED IN SHADED AREA.

ADAAG FIGURE 27(a)
DRINKING FOUNTAINS AND WATER COOLERS
SPOUT HEIGHT AND KNEE CLEARANCE



SEE DETAIL ELSEWHERE FOR BACKING MINIMUM REQUIREMENTS IN FRAMED WALLS ATTACH TO CONCRETE WALLS WHEN POSSIBLE WITH FILLED CELLS

5 A4.12 DRINKING FOUNTAIN CLEARANCE
1/2"=1'-0"



6 A4.12 TYPICAL MOUNTING HEIGHTS
1/2"=1'-0"

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GLEN RIDGE SELF-STORAGE
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CHAPTER 3: BUILDING BLOCKS

302 Floor or Ground Surfaces

302.2 Carpet. Carpet or carpet tile shall be securely attached and shall have a firm cushion, pad, or backing or no cushion or pad. Carpet or carpet tile shall have a level loop, textured loop, level cut pile, or level cut/uncut pile texture.

Pile height shall be 1/2 inch (13 mm) maximum. Exposed edges of carpet shall be fastened to floor surfaces and shall have trim on the entire length of the exposed edges. Carpet edge trim shall comply with 303.

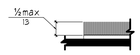


Figure 302.2 Carpet Pile Height

303.2 Vertical Changes in level of 1/4 inch (6.4 mm) high maximum shall be permitted to be vertical.

Figure 303.2 Vertical Change in Level

303.3 Beveled. Changes in level between 1/4 inch (6.4 mm) high minimum and 1/2 inch (13 mm) high maximum shall be beveled with a slope not steeper than 1:2.

Figure 303.3 Beveled Change in Level

Figure 303.3 Beveled Change in Level

304 Turning Space

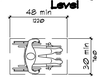


Figure 304.3 Clear Floor or Ground Space

Figure 304.3 Clear Floor or Ground Space

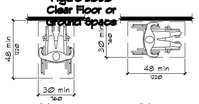


Figure 305.5 Position of Clear Floor or Ground Space

Figure 305.5 Position of Clear Floor or Ground Space

306 Knee and Toe Clearance

306.2 Toe Clearance.

306.2.1 General. Space under an element between the finish floor or ground and 9 inches (230 mm) above the finish floor or ground shall be considered toe clearance and shall comply with 306.2.

306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum under an element.

306.2.3 Minimum Required Depth. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17 inches (430 mm) minimum under the element.

306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the finish floor or ground shall not be considered toe clearance.

306.2.5 Width. Toe clearance shall be 30 inches (760 mm) wide minimum.

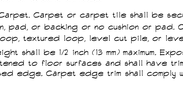


Figure 306.2 Toe Clearance

306.3 Knee Clearance.

306.3.1 General. Space under an element between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground shall be considered knee clearance and shall comply with 306.3.

306.3.2 Maximum Depth. Knee clearance shall extend 25 inches (635 mm) maximum under an element at 9 inches (230 mm) above the finish floor or ground.

306.3.3 Minimum Required Depth. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) deep minimum at 9 inches (230 mm) above the finish floor or ground, and 8 inches (205 mm) deep minimum at 27 inches (685 mm) above the finish floor or ground.

306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1 inch (25 mm) in depth for each 6 inches (150 mm) in height.

306.3.5 Width. Knee clearance shall be 30 inches (760 mm) wide minimum.

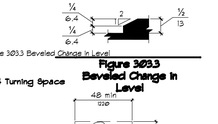


Figure 306.3 Knee Clearance

307 Protruding Objects

307.1 Protrusion Limits. Objects with leading edges more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the finish floor or ground shall protrude 4 inches (100 mm) maximum horizontally into the circulation path.

EXCEPTION: Handrails shall be permitted to protrude 4 1/2 inches (115 mm) maximum.

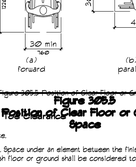


Figure 307.1 Limits of Protruding Objects

307 Protruding Objects (continued)

307.3 Post-Mounted Objects. Free-standing objects mounted on posts or pylons shall overhang circulation paths 12 inches (305 mm) maximum when located 27 inches (685 mm) minimum and 80 inches (2030 mm) maximum above the finish floor or ground. Where a sign or other obstruction is mounted between posts or pylons and the clear distance between the posts or pylons is greater than 12 inches (305 mm), the lowest edge of such sign or obstruction shall be 27 inches (685 mm) minimum or 80 inches (2030 mm) minimum above the finish floor or ground.

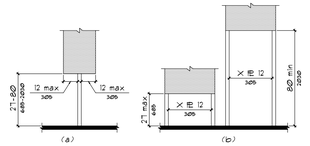


Figure 307.3 Post-Mounted Protruding Objects

307.4 Vertical Clearance. Vertical clearance shall be 80 inches (2030 mm) high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches (2030 mm) high. The leading edge of such guardrail or barrier shall be located 27 inches (685 mm) maximum above the finish floor or ground.

EXCEPTION: Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.

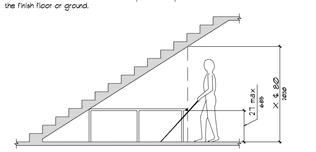


Figure 307.4 Vertical Clearance

308 Reach Ranges

Children's Reach Ranges

Forward or Side Reach	High (maximum)	Low (minimum)
Ages 3 and 4	36 in (915 mm)	20 in (510 mm)
Ages 5 through 8	40 in (1015 mm)	18 in (455 mm)
Ages 9 through 12	44 in (1120 mm)	16 in (405 mm)

308.2 Forward Reach.

308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

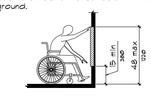


Figure 308.2.2 Obstructed High Forward Reach

308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44 inches (1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.

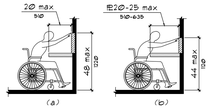
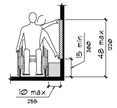


Figure 308.3.1 Unobstructed Side Reach

308.3 Side Reach.

308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the finish floor or ground.



308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

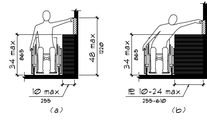


Figure 308.3.2 Obstructed High Side Reach

309 Operable Parts

309.2 Clear Floor Space. A clear floor or ground space complying with 305 shall be provided.

309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in 308.

309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.

CHAPTER 4: ACCESSIBLE ROUTES

402.2 Components. Accessible routes shall consist of one or more of the following components: walking surfaces with a running slope not steeper than 1:20, doorways, ramps, curb ramps excluding the flared sides, elevators, and platform lifts. All components of an accessible route shall comply with the applicable requirements of Chapter 4.

Advisory 402.2 Components. Walking surfaces must have running slopes not steeper than 1:20, see 403.3. Other components of accessible routes, such as ramps (405) and curb ramps (406), are permitted to be more steeply sloped.

403 Walking Surfaces

403.1 General. Walking surfaces that are a part of an accessible route shall comply with 403.

403.2 Floor or Ground Surface. Floor or ground surfaces shall comply with 302.

403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48.

403.4 Changes in Level. Changes in level shall comply with 303.

403.5 Clearances. Walking surfaces shall provide clearances complying with 403.5.

EXCEPTION: Within employee work areas, clearances on common use circulation paths shall be permitted to be decreased by work area equipment provided that the decrease is essential to the function of the work being performed.

403.5.1 Clear Width. Except as provided in 403.5.2 and 403.5.3, the clear width of walking surfaces shall be 36 inches (915 mm) minimum.

EXCEPTION: The clear width shall be permitted to be reduced to 32 inches (815 mm) minimum for a length of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments that are 48 inches (1220 mm) long minimum and 36 inches (915 mm) wide minimum.

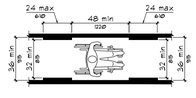


Figure 403.5.1 Clear Width of an Accessible Route

403.5.3 Passing Spaces. An accessible route with a clear width less than 60 inches (1525 mm) shall provide passing spaces at intervals of 200 feet (61 m) maximum.

404 Doors, Doorways, and Gates

404.2.3 Clear Width. Door openings shall provide a clear width of 32 inches (815 mm) minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches (610 mm) deep shall provide a clear opening of 36 inches (915 mm) minimum. There shall be no projections into the required clear opening width lower than 34 inches (865 mm) above the finish floor or ground. Projections into the clear opening width between 34 inches (865 mm) and 80 inches (2030 mm) above the finish floor or ground shall not exceed 4 inches (100 mm).

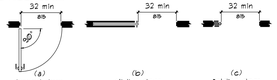


Figure 404.2.3 Clear Width of Doorways

404.2.4 Maneuvering Clearances. Minimum maneuvering clearances at doors and gates shall comply with 404.2.4. Maneuvering clearances shall extend the full width of the doorway and the required latch side or hinge side clearance.

404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches (455 mm) of the latch side of a doorway projects more than 8 inches (205 mm) beyond the face of the door, measured perpendicular to the face of the door or gate.

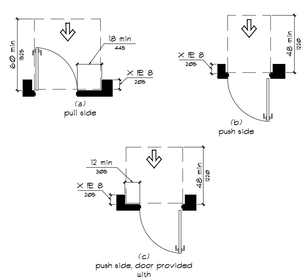


Figure 404.2.4.3 Maneuvering Clearances at Recessed Doors and Gates

404.2.6 Doors in Series and Gates in Series. The distance between two hinged or pivoted doors in series and gates in series shall be 48 inches (1220 mm) minimum plus the width of doors or gates swinging into the space.

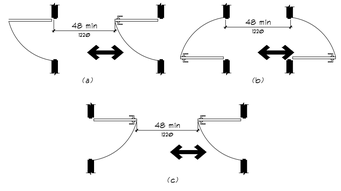


Figure 404.2.6 Doors in Series and Gates in Series

404.2.7 Door and Gate Hardware. Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with 309.4. Operable parts of such hardware shall be 34 inches (865 mm) minimum and 48 inches (1220 mm) maximum above the finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

404.2.8.1 Door Closers and Gate Closers. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.

404.2.8.2 Spring Hinges. Door and gate spring hinges shall be adjusted so that from the open position of 70 degrees, the door or gate shall move to the closed position in 1.5 seconds minimum.

404.2.9 Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:

1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.

2. Sliding or folding doors: 5 pounds (22.2 N) maximum.

These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches (255 mm) of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be capped.

307 Doors, Doorways, and Gates (continued)

404.2.11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one glazed panel located 43 inches (1090 mm) maximum above the finish floor.

404.3 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.3. Full-powered automatic doors shall comply with ANSI/BHMA A156.10 (incorporated by reference, see "Referenced Standards" in Chapter 1). Low-energy and power-assisted doors shall comply with ANSI/BHMA A156.19 (1997 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).

404.3.2 Maneuvering Clearance. Clearances at power-assisted doors and gates shall comply with 404.2.4. Clearances at automatic doors and gates without standby power and serving an accessible means of egress shall comply with 404.2.4.

404.3.7 Revolving Doors, Revolving Gates, and Turnstiles. Revolving doors, revolving gates, and turnstiles shall not be part of an accessible route.

405 Ramps

405.2 Slope. Ramp runs shall have a running slope not steeper than 1:12.

405.3 Cross Slope. Cross slope of ramp runs shall not be steeper than 1:48.

405.5 Clear Width. The clear width of a ramp run and, where handrails are provided, the clear width between handrails shall be 36 inches (915 mm) minimum.

405.6 Rise. The rise for any ramp run shall be 30 inches (760 mm) maximum.

405.7 Landings. Ramps shall have landings at the top and the bottom of each ramp run. Landings shall comply with 405.7.

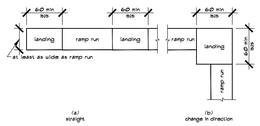


Figure 405.7 Ramp Landings

405.7.1 Slope. Landings shall have slope no steeper than 1:48. Changes in level are not permitted.

405.7.2 Width. The landing clear width shall be at least as wide as the widest ramp run leading to the landing.

405.7.3 Length. The landing clear length shall be 60 inches (1525 mm) long minimum.

405.7.4 Change in Direction. Ramps that change direction between runs at landings shall have a clear landing 60 inches (1525 mm) minimum by 60 inches (1525 mm) minimum.

405.7.5 Doorway. Where doorways are located adjacent to a ramp landing, maneuvering clearances required by 404.2.4 and 404.3.2 shall be permitted to overlap the required landing

405.8 Handrails. Ramp runs with a rise greater than 6 inches (150 mm) shall have handrails complying with 505.

405.9 Edge Protection. Edge protection complying with 405.9.1 or 405.9.2 shall be provided on each side of ramp runs and at each side of ramp landings.

405.9.1 Extended Floor or Ground Surface. The floor or ground surface of the ramp run or landing shall extend 12 inches (305 mm) minimum beyond the inside face of a handrail complying with 505.

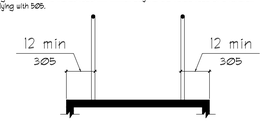


Figure 405.9.1 Extended Floor or Ground Surface Edge Protection

405.9.2 Curb or Barrier. A curb or barrier shall be provided that prevents the passage of a 4 inch (100 mm) diameter sphere, where any portion of the sphere is within 4 inches (100 mm) of the finish floor or ground surface.

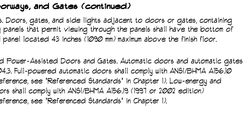


Figure 405.9.2 Curb or Barrier Edge Protection

406 Curb Ramps

406.1 General. Curb ramps on accessible routes shall comply with 406, 405.2 through 405.5, and 405.10.

406.2 Counter Slope. Counter slopes of adjoining gutters and road surfaces immediately adjacent to the curb ramp shall not be steeper than 1:20. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.

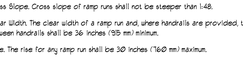


Figure 406.2 Counter Slope of Surfaces Adjacent to Curb Ramps

406.3 Sides of Curb Ramps. Where provided, curb ramp flares shall not be steeper than 1:10.

Figure 406.3 Sides of Curb Ramps

406.4 Landings. Landings shall be provided at the tops of curb ramps. The landing clear length shall be 36 inches (915 mm) minimum. The landing clear width shall be at least as wide as the curb ramp, excluding flared sides, leading to the landing.

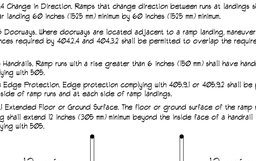


Figure 406.4 Landings at the Top of Curb Ramps

406.5 Location. Curb ramps and the flared sides of curb ramps shall be located so that they do not project into vehicular traffic lanes, parking spaces, or parking access aisles. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides.

505 Handrails

505.1 General. Handrails provided along walking surfaces complying with 403, required at ramps complying with 405, and required at stairs complying with 504 shall comply with 505.

Advisory 505.1 General. Handrails are required on ramp runs with a rise greater than 6 inches (150 mm) (see 405.8) and on certain stairways (see 504). Handrails are not required on walking surfaces with running slopes less than 1:20. However, handrails are required to comply with 505 when they are provided on walking surfaces with running slopes less than 1:20 (see 403.6). Sections 505.2, 505.3, and 505.10 do not apply to handrails provided on walking surfaces with running slopes less than 1:20 as these sections only reference requirements for ramps and stairs.

505.2 Where Required. Handrails shall be provided on both sides of stairs and ramps.

505.3 Continuity. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs.

505.4 Height. Top of gripping surfaces of handrails shall be 34 inches (865 mm) minimum and 38 inches (965 mm) maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces.

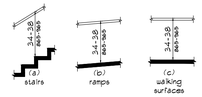


Figure 505.4 Handrail Height

505.5 Clearance. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1 1/2 inches (38 mm) minimum.

Figure 505.5 Handrail Clearance

Figure 505.6 Horizontal Projections Below Gripping Surface

505.6 Gripping Surface. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20 percent of their length. Where provided, horizontal projections shall occur 1 1/2 inches (38 mm) minimum below the bottom of the handrail gripping surface.

505.7.1 Circular Cross Section. Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1 1/4 inches (32 mm) minimum and 2 inches (51 mm) maximum.

505.7.2 Non-Circular Cross Sections. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 inches (100 mm) minimum and 6 1/4 inches (160 mm) maximum, and a cross-section dimension of 2 1/4 inches (57 mm) maximum.

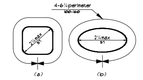


Figure 505.7.2 Handrail Non-Circular Cross Section

505.8 Surfaces. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges.

505.9 Fittings. Handrails shall not rotate within their fittings.

505.10 Handrail Extensions. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights and ramp runs in accordance with 505.10.

505.10.1 Top and Bottom Extension at Ramps. Ramp handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run.

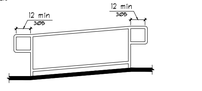


Figure 505.10.1 Top and Bottom Handrail Extension at Ramps

505.10.2 Top Extension at Stairs. At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

Figure 505.10.2 Top Handrail Extension at Stairs

Figure 505.10.3 Bottom Handrail Extension at Stairs

505.10.3 Bottom Extension at Stairs. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

CHAPTER 6: PLUMBING ELEMENTS AND FACILITIES

601 Drinking Fountains

601.2 Clear Floor Space. Units shall have a clear floor or ground space complying with 305 positioned for a forward approach and centered on the unit. Knee and toe clearance complying with 306 shall be provided.

EXCEPTION: A parallel approach complying with 305 shall be permitted at units for children's use where the spout is 30 inches (760 mm) maximum above the finish floor or ground and is 3 1/2 inches (90 mm) maximum from the front edge of the unit, including bumpers.

601.3 Operable Parts. Operable parts shall comply with 309.

601.4 Spout Height. Spout outlets shall be 36 inches (915 mm) maximum above the finish floor or ground.

601.5 Spout Location. The spout shall be located 15 inches (380 mm) minimum from the vertical support and 5 inches (125 mm) maximum from the front edge of the unit, including bumpers.

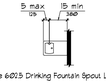


Figure 601.5 Drinking Fountain Spout Location

601.6 Water Flow. The spout shall provide a flow of water 4 inches (100 mm) high minimum and shall be located 5 inches (125 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (75 mm) from the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches (75 mm) and 5 inches (125 mm) maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum.

601.7 Drinking Fountains for Standing Persons. Spout outlets of drinking fountains for standing persons shall be 38 inches (965 mm) minimum and 43 inches (1090 mm) maximum above the finish floor or ground.

GLEN RIDGE SELF-STORAGE
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REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

603 Toilet and Bathing Rooms

603.2 Clearances. Clearances shall comply with 604.3.

603.2.1 Turning Space. Turning space complying with 304 shall be provided within the room.

603.2.2 Overlap. Required clear floor spaces, clearance at fixtures, and turning space shall be permitted to overlap.

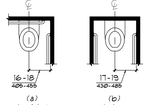
603.2.3 Door Swing. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors shall be permitted to swing into the required turning space.

603.3 Mirrors. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the finish floor or ground.

603.4 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

604 Water Closets and Toilet Compartments

604.2 Location. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum to 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Water closets shall be arranged for a left-hand or right-hand approach.



(a) wheelchair accessible water closets (b) ambulatory accessible water closets

Figure 604.2 Water Closet Location

604.3.1 Size. Clearance around a water closet shall be 60 inches (1525 mm) minimum measured perpendicular from the side wall and 56 inches (1420 mm) minimum measured perpendicular from the rear wall.

Figure 604.3.1 Size of Clearance at Water Closets

604.3.2 Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance.

604.4 Seats. The seat height of a water closet above the finish floor shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

604.5 Grab Bars. Grab bars for water closets shall comply with 609. Grab bars shall be provided on the side wall closest to the water closet and on the rear wall.

604.5.1 Side Wall. The side wall grab bar shall be 42 inches (1065 mm) long minimum, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370 mm) minimum from the rear wall.

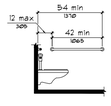


Figure 604.5.1 Side Wall Grab Bar at Water Closets

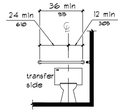


Figure 604.5.2 Rear Wall Grab Bar at Water Closets

604.5.2 Rear Wall. The rear wall grab bar shall be 36 inches (915 mm) long minimum and extend from the centerline of the water closet 12 inches (305 mm) minimum on one side and 24 inches (610 mm) minimum on the other side.

604.6 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309. Flush controls shall be located on the open side of the water closet, except in ambulatory accessible compartments complying with 604.8.2.

604.7 Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the finish floor and shall not be located behind grab bars. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

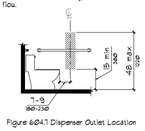
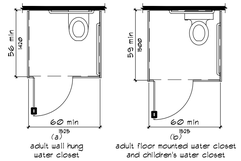


Figure 604.7 Dispenser Outlet Location

604.8 Toilet Compartments. Wheelchair accessible toilet compartments shall meet the requirements of 604.8.1 and 604.8.3. Compartments containing more than one plumbing fixture shall comply with 603. Ambulatory accessible compartments shall comply with 604.8.2 and 604.8.3.

604.8.1 Wheelchair Accessible Compartments. Wheelchair accessible compartments shall comply with 604.8.1.

604.8.1.1 Size. Wheelchair accessible compartments shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 56 inches (1420 mm) deep minimum for wall hung water closets and 59 inches (1500 mm) deep minimum for floor mounted water closets measured perpendicular to the rear wall. Wheelchair accessible compartments for children's use shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 59 inches (1500 mm) deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall.



(a) adult wall hung water closet (b) adult floor mounted water closet and children's water closet

Figure 604.8.1.1 Size of Wheelchair Accessible Toilet Compartment

604.8.1.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404 except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4 inches (100 mm) minimum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4 inches (100 mm) minimum from the front partition. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

603 Toilet and Bathing Rooms (continued)

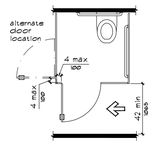
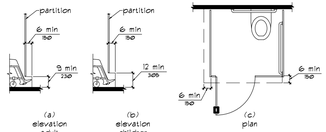


Figure 604.8.1.2 Wheelchair Accessible Toilet Compartment Doors

604.8.1.3 Approach. Compartments shall be arranged for left-hand or right-hand approach to the water closet.

604.8.1.4 Toe Clearance. The front partition and at least one side partition shall provide a toe clearance of 9 inches (230 mm) minimum above the finish floor and 6 inches (150 mm) deep minimum beyond the compartment-side face of the partition, exclusive of partition support members. Compartments for children's use shall provide a toe clearance of 12 inches (305 mm) minimum above the finish floor.

EXCEPTION: Toe clearance at the front partition is not required in a compartment greater than 62 inches (1575 mm) deep with a wall-hung water closet or 65 inches (1650 mm) deep with a floor-mounted water closet. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) wide. Toe clearance at the front partition is not required in a compartment for children's use that is greater than 65 inches (1650 mm) deep



(a) elevation adult (b) elevation children (c) plan

Figure 604.8.1.4 Wheelchair Accessible Toilet Compartment Toe Clearance

604.8.1.5 Grab Bars. Grab bars shall comply with 609. A side-wall grab bar complying with 604.5.1 shall be provided and shall be located on the wall closest to the water closet. In addition, a rear-wall grab bar complying with 604.5.2 shall be provided.

604.8.2 Ambulatory Accessible Compartments. Ambulatory accessible compartments shall comply with 604.8.2.

604.8.2.1 Size. Ambulatory accessible compartments shall have a depth of 60 inches (1525 mm) minimum and a width of 35 inches (890 mm) minimum and 37 inches (940 mm) maximum.

604.8.2.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404, except that if the approach is to the latch side of the compartment, door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

604.8.2.3 Grab Bars. Grab bars shall comply with 609. A side-wall grab bar complying with 604.5.1 shall be provided on both sides of the compartment.

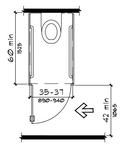


Figure 604.8.2 Ambulatory Accessible Toilet Compartment

604.8.3 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

604.9 Water Closets and Toilet Compartments for Children's Use. Water closets and toilet compartments for children's use shall comply with 604.9.

604.9.1 Location. The water closet shall be located with a wall or partition to the rear and to one side. The centerline of the water closet shall be 12 inches (305 mm) minimum and 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Compartments shall be arranged for left-hand or right-hand approach to the water closet.

604.9.2 Clearance. Clearance around a water closet shall comply with 604.3.

604.9.3 Height. The height of water closets shall be 11 inches (280 mm) minimum and 17 inches (430 mm) maximum measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

604.9.4 Grab Bars. Grab bars for water closets shall comply with 604.5.

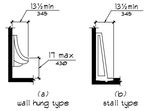
604.9.5 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309.2 and 309.4 and shall be installed 36 inches (915 mm) maximum above the finish floor. Flush controls shall be located on the open side of the water closet, except in ambulatory accessible compartments complying with 604.8.2.

604.9.6 Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 14 inches (355 mm) minimum and 19 inches (485 mm) maximum above the finish floor. There shall be a clearance of 1 1/2 inches (38 mm) minimum below the grab bar. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

604.9.7 Toilet Compartments. Toilet compartments shall comply with 604.8.

605 Urinals

605.2 Height and Depth. Urinals shall be the stall-type or the wall-hung type with the rim 17 inches (430 mm) maximum above the finish floor or ground. Urinals shall be 13 1/2 inches (345 mm) deep minimum measured from the outer face of the urinal rim to the back of the fixture.



(a) wall hung type (b) stall type

Figure 605.2 Height and Depth of Urinals

605.3 Clear Floor Space. A clear floor or ground space complying with 305 positioned for forward approach shall be provided.

605.4 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309.

606 Lavatories and Sinks

606.2 Clear Floor Space. A clear floor space complying with 305, positioned for a forward approach, and knee and toe clearance complying with 306 shall be provided.

606.3 Height. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34 inches (865 mm) maximum above the finish floor or ground.

606.4 Faucets. Controls for faucets shall comply with 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.

606.5 Exposed Pipes and Surfaces. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.

CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES

702 Fire Alarm Systems

702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (1999 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1), except that the minimum allowable sound level of audible notification appliances complying with section 4-3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dBA at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with sections 4-3 and 4-4 of NFPA 72 (1999 edition) or sections 7.4 and 7.5 of NFPA 72 (2002 edition).

703 Signs

703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

703.2.2 Case. Characters shall be uppercase.

703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.2.5 Character Height. Character height, measured vertically from the baseline of the character shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

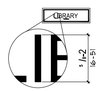


Figure 703.2.5 Height of Raised Characters

703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

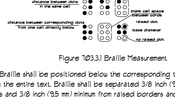


Figure 703.3.1 Braille Measurement

703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.

Figure 703.3.2 Position of Braille

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

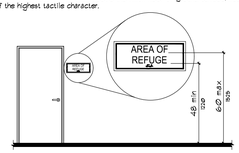


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the active leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

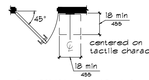


Figure 703.4.2 Location of Tactile Signs at Doors

703.5 Visual Characters. Visual characters shall comply with 703.5.

703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

703.5.6 Height from Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.

703.6 Pictograms. Pictograms shall comply with 703.6.

703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

702 Signs (continued)

Figure 703.6.1 Pictogram Field dark-on-light.

703.6.2 Finish and Contrast. Pictograms and their field shall have a non-glare finish. Pictograms shall contrast with their field with either a light pictogram on a dark field or a dark pictogram on a light field.

703.6.3 Text Descriptors. Pictograms shall have text descriptors located directly below the pictogram field. Text descriptors shall comply with 703.2, 703.3 and 703.4.

703.7 Symbols of Accessibility. Symbols of accessibility shall comply with 703.7.

703.7.1 Finish and Contrast. Symbols of accessibility and their background shall have a non-glare finish. Symbols of accessibility shall contrast with their background with either a light symbol on a dark background or a dark symbol on a light background.

705 Detectable Warnings

705.1 General. Detectable warnings shall consist of a surface of truncated domes and shall comply with 705.

705.1.1 Dome Size. Truncated domes in a detectable warning surface shall have a base diameter of 0.9 inch (23 mm) minimum and 1.4 inches (36 mm) maximum, a top diameter of 50 percent of the base diameter minimum to 65 percent of the base diameter maximum, and a height of 0.2 inch (5 mm).

705.1.2 Dome Spacing. Truncated domes in a detectable warning surface shall have a center-to-center spacing of 1.6 inches (41 mm) minimum and 2.4 inches (61 mm) maximum, and a base-to-base spacing of 0.65 inch (17 mm) minimum, measured between the most adjacent domes on a square grid.

705.1.3 Contrast. Detectable warning surfaces shall contrast visually with adjacent walking surfaces either light-on-dark, or dark-on-light.

(a) elevation (enlarged) (b) plan

Figure 705.1 Size and Spacing of Truncated Domes

705.2 Platform Edges. Detectable warning surfaces at platform boarding edges shall be 24 inches (610 mm) wide and shall extend the full length of the public use areas of the platform.

CHAPTER 8: SPECIAL ROOMS, SPACES, AND ELEMENTS

804.6.2 Operable Parts. All appliance controls shall comply with 309.

EXCEPTIONS:

1. Appliance doors and door latching devices shall not be required to comply with 309.4.

2. Bottom-hinged appliance doors, when in the open position, shall not be required to comply with 309.3.

804.6.3 Dishwasher. Clear floor or ground space shall be positioned adjacent to the dishwasher door. The dishwasher door, in the open position, shall not obstruct the clear floor or ground space for the dishwasher or the sink.

804.6.6 Refrigerator/Freezer. Combination refrigerators and freezers shall have at least 30 percent of the freezer space 54 inches (1370 mm) maximum above the finish floor or ground. The clear floor or ground space shall be positioned for a parallel approach to the space dedicated to a refrigerator/freezer with the centerline of the clear floor or ground space offset 24 inches (610 mm) maximum from the centerline of the dedicated space.

811 Storage

811.1 General. Storage shall comply with 811.

811.2 Clear Floor or Ground Space. A clear floor or ground space complying with 305 shall be provided.

811.3 Height. Storage elements shall comply with at least one of the reach ranges specified in 308.

811.4 Operable Parts. Operable parts shall comply with 309.

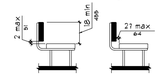
CHAPTER 9: BUILT-IN ELEMENTS

903 Benches

903.2 Clear Floor or Ground Space. Clear floor or ground space complying with 305 shall be provided and shall be positioned at the end of the bench seat and parallel to the short axis of the bench.

903.3 Size. Benches shall have seats that are 42 inches (1065 mm) long minimum and 20 inches (510 mm) deep minimum and 24 inches (610 mm) deep maximum.

903.4 Back Support. The bench shall provide for back support or shall be affixed to a wall. Back support shall be 42 inches (1065 mm) long minimum and shall extend from a point 2 inches (51 mm) maximum above the seat surface to a point 18 inches (455 mm) minimum above the seat surface. Back support shall be 2 1/2 inches (64 mm) maximum from the rear edge of the seat measured horizontally.



(a) (b)

Figure 903.4 Bench Back Support

903.5 Height. The top of the bench seat surface shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the finish floor or ground.

903.6 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the seat, fastener, mounting device, or supporting structure.

903.7 Use Locations. Where installed in wet locations, the surface of the seat shall be slip resistant and shall not accumulate water.

904 Check-Out Aisles and Sales and Service Counters

904.1 General. Check-out aisles and sales and service counters shall comply with the applicable requirements of 904.

904.2 Approach. All portions of counters required to comply with 904 shall be located adjacent to a walking surface complying with 403.

904.3 Check-Out Aisles. Check-out aisles shall comply with 904.3.

904.3.1 Aisle. Aisles shall comply with 403.

904.3.2 Counter. The counter surface height shall be 38 inches (965 mm) maximum above the finish floor or ground. The top of the counter edge protection shall be 2 inches (51 mm) maximum above the top of the counter surface on the aisle side of the check-out counter.

Figure 904.3.2 Check-Out Aisle Counters

904.3.3 Check Writing Surfaces. Where provided, check writing surfaces shall comply with 902.3.

904.4 Sales and Service Counters. Sales counters and service counters shall comply with 904.4.1 or 904.4.2. The accessible portion of the counter top shall extend the same depth as the sales or service counter top.

904.4.2 Forward Approach. A portion of the counter surface that is 30 inches (760 mm) long minimum and 36 inches (915 mm) high maximum shall be provided. Knee and toe space complying with 306 shall be provided under the counter. A clear floor or ground space complying with 305 shall be positioned for a

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GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

Revisions:

DRAWN BY: FS/GJ
CHECKED BY: KRC
DATE: 10/16/2023
SCALE: AS NOTED
PROJECT #: 23053
CAD DWG FILE: A4.14

10/18/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

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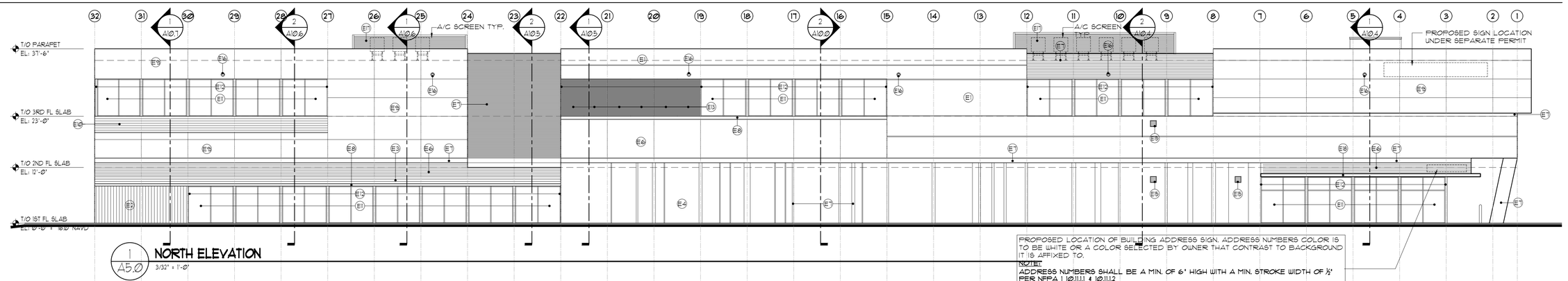
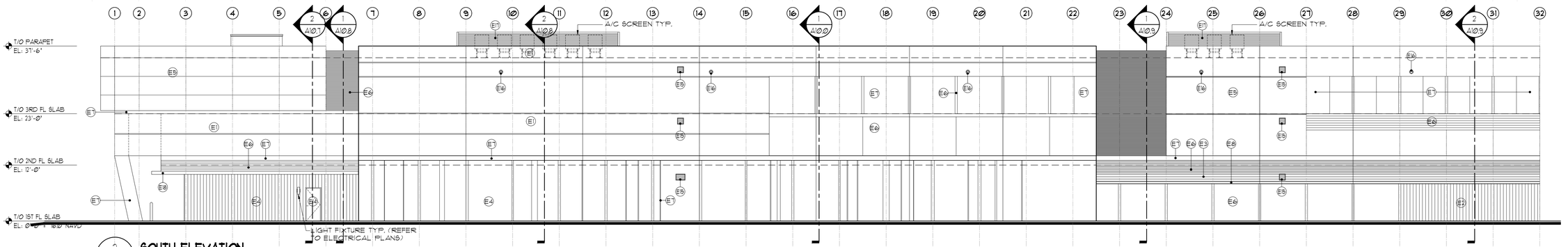
REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697



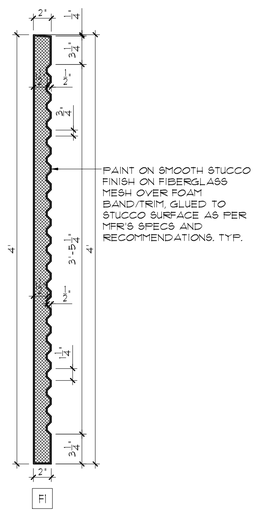
1 A5.0 **NORTH ELEVATION**
3/32" = 1'-0"

PROPOSED LOCATION OF BUILDING ADDRESS SIGN. ADDRESS NUMBERS COLOR IS TO BE WHITE OR A COLOR SELECTED BY OWNER THAT CONTRAST TO BACKGROUND IT IS AFFIXED TO.

NOTE:
ADDRESS NUMBERS SHALL BE A MIN. OF 6" HIGH WITH A MIN. STROKE WIDTH OF ½" PER NFPA 1 18.11.1 & 18.11.2



2 A5.0 **SOUTH ELEVATION**
3/32" = 1'-0"



EXTERIOR FINISH SCHEDULE

MARK	DESCRIPTION	MATCH MANUF.	CATALOG NO.	COLOR	TYPE	FINISH	COATS	NOTE:	COMMON NAME
E1	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 7006	EXTRA WHITE	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	WHITE
E2	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 7667	ZIRCON	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	LIGHT GRAY
E3	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 7072	ONLINE	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	LIGHT GRAY
E4	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 7074	SOFTWARE	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	GRAY
E5	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 7075	WEB GRAY	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	GRAY
E6	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 7076	CYBERSPACE	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	DARK GRAY
E7	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 6258	TRICORN BLACK	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	BLACK
E8	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 6904	GUSTO GOLD	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	ORANGE
E9	ALUCOBOND METAL PANEL	ALUCOBOND	SW 7075	WEB GRAY	ANODIZED	BY MANUF.	BY MANUF.	PREFINISHED	GRAY
E10	ALUCOBOND METAL PANEL	ALUCOBOND	SW 7076	CYBERSPACE	ANODIZED	BY MANUF.	BY MANUF.	PREFINISHED	DARK GRAY
E11	STOREFRONT GLAZING	YKK	CLEAR	CLEAR	IMPACT	-	-	IMPACT RATED	CLEAR
E12	STOREFRONT FRAMES & BRAKE METAL COL. WRAP	YKK	BLACK	BLACK	ANODIZED	-	BY MANUF.	BY MANUF.	BLACK
E13	SPANDREL GLAZING	YKK	DARK GRAY	DARK GRAY	NON-IMPACT	-	-	NON-IMPACT RATED	DARK GRAY
E14	METAL DOORS AND FRAMES	SHERWIN WILLIAMS	-	COLOR TO MATCH BUILDING'S	EXTERIOR ACRYLIC	SEMI-GLOSS	2 OVER 1 PRIMER	(2) COATS SW PRO INDUSTRIAL ACRYLIC, SEMI-GLOSS ON (1) COAT PRO INDUSTRIAL PRO-CRYL UNIVERSAL ACRYLIC PRIMER.	-
E15	PAINTED ALUMINUM WALL LOUVER AS PER HVAC PLANS	SHERWIN WILLIAMS	-	COLOR TO MATCH BUILDING'S	EXTERIOR ACRYLIC	SEMI-GLOSS	2 OVER 1 PRIMER	(2) COATS SW PRO INDUSTRIAL ACRYLIC, SEMI-GLOSS ON (1) COAT PRO INDUSTRIAL PRO-CRYL UNIVERSAL ACRYLIC PRIMER.	-
E16	PAINTED OVERFLOW SPOUT AS PER PLUMBING PLANS	SHERWIN WILLIAMS	-	COLOR TO MATCH BUILDING'S	EXTERIOR ACRYLIC	SEMI-GLOSS	2 OVER 1 PRIMER	(2) COATS SW PRO INDUSTRIAL ACRYLIC, SEMI-GLOSS ON (1) COAT PRO INDUSTRIAL PRO-CRYL UNIVERSAL ACRYLIC PRIMER.	-
E17	A/C SCREEN	SHERWIN WILLIAMS	-	COLOR TO MATCH BUILDING'S	EXTERIOR ACRYLIC	SEMI-GLOSS	2 OVER 1 PRIMER	(2) COATS SW PRO INDUSTRIAL ACRYLIC, SEMI-GLOSS ON (1) COAT PRO INDUSTRIAL PRO-CRYL UNIVERSAL ACRYLIC PRIMER.	-
E18	PREFAB METAL CANOPY	-	TO MATCH SW 6904	GUSTO GOLD	ANODIZED	BY MANUF.	BY MANUF.	PREFINISHED	ORANGE
E19	DUMPSTER ENCLOSURE	-	TO MATCH SW 6904	EXTRA WHITE	ANODIZED	BY MANUF.	BY MANUF.	PREFINISHED	WHITE

3 A5.0 **EXTERIOR FINISH SCHEDULE**

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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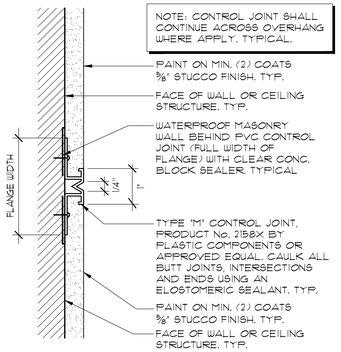

TYPE 'B' CONTROL JOINT DETAIL

NOTE: CONTROL JOINT SHALL CONTINUE ACROSS OVERHANG WHERE APPLY, TYPICAL

4 / A5.1 TYPE 'B' CONTROL JOINT

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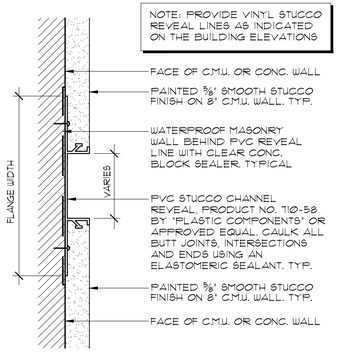

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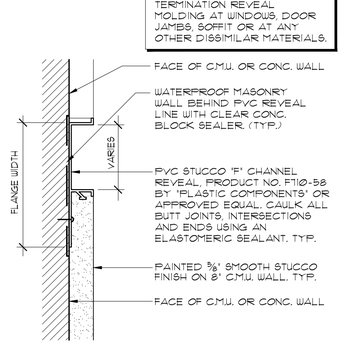

TYPE 'F' REVEAL DETAIL

5 / A5.1 TYPE 'A & F' STUCCO SCREED DETAIL

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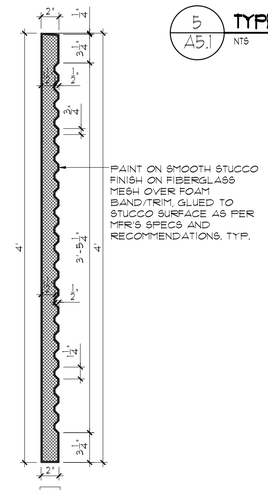

6 / A5.1 FOAM BAND DETAIL

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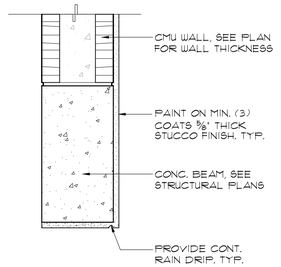

7 / A5.1 STUCCO DRIP EDGE DETAIL

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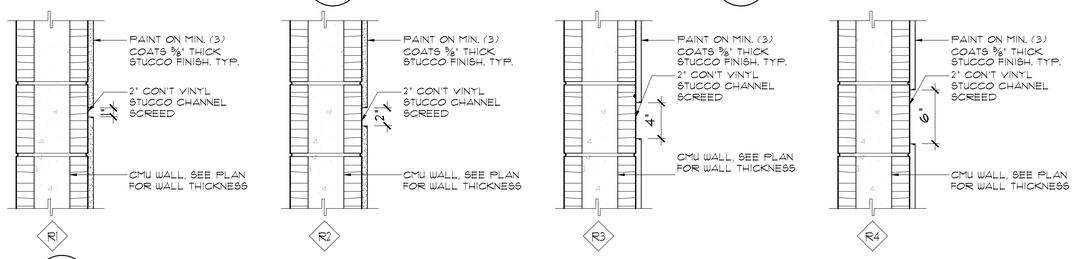

8 / A5.1 STUCCO CHANNEL SCREED DETAILS

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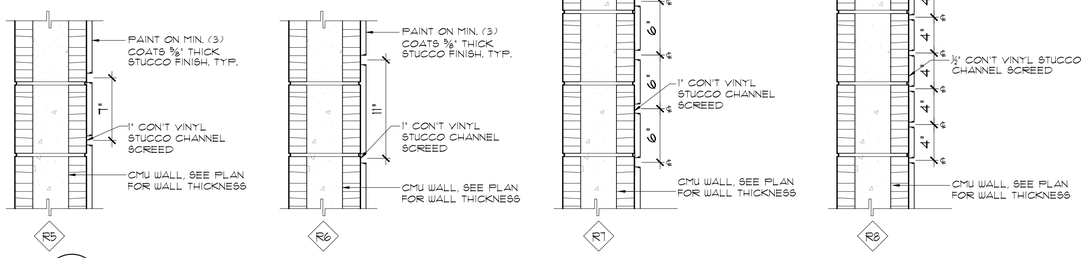

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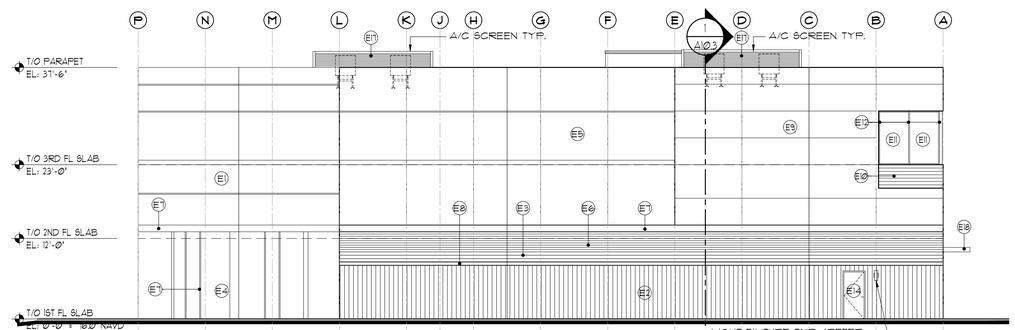
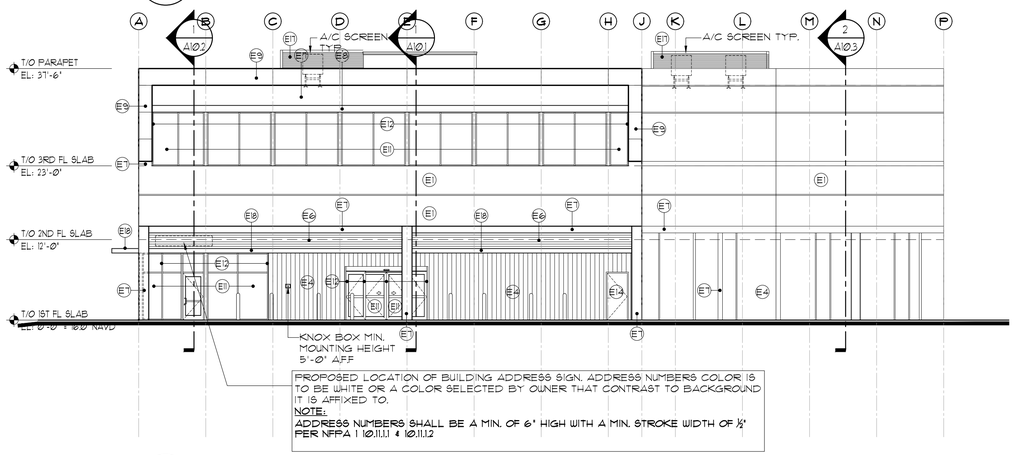


1 / A5.1 EAST ELEVATION

3/32" = 1'-0"



2 / A5.1 WEST ELEVATION

3/32" = 1'-0"

EXTERIOR FINISH SCHEDULE

MARK	DESCRIPTION	MATCH MANUF.	CATALOG NO.	COLOR	TYPE	FINISH	COATS	NOTE:	COMMON NAME
E1	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 7006	EXTRA WHITE	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	WHITE
E2	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 7661	ZIRCON	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	LIGHT GRAY
E3	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 7072	ONLINE	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	LIGHT GRAY
E4	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 7074	SOFTWARE	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	GRAY
E5	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 7075	WEB GRAY	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	GRAY
E6	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 7076	CYBERSPACE	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	DARK GRAY
E7	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 6258	TRICORN BLACK	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	BLACK
E8	PAINTED MEDIUM TEXTURE	SHERWIN WILLIAMS	SW 6904	GUSTO GOLD	EXTERIOR ACRYLIC	FLAT	2 OVER 1 PRIMER	(2) COATS LOXON ACRYLIC MASONRY COATING ON (1) COAT LOXON CONCRETE & MASONRY PRIMER/SEALER.	ORANGE
E9	ALUCOBOND METAL PANEL	ALUCOBOND	SW 7075	WEB GRAY	ANODIZED	BY MANUF.	BY MANUF.	PREFINISHED	GRAY
E10	ALUCOBOND METAL PANEL	ALUCOBOND	SW 7076	CYBERSPACE	ANODIZED	BY MANUF.	BY MANUF.	PREFINISHED	DARK GRAY
E11	STOREFRONT GLAZING	YKK	CLEAR	CLEAR	IMPACT	-	-	IMPACT RATED	CLEAR
E12	STOREFRONT FRAMES & BRAKE METAL COL. WRAP	YKK	BLACK	BLACK	ANODIZED	-	BY MANUF.	BY MANUF.	BLACK
E13	SPANDREL GLAZING	YKK	DARK GRAY	DARK GRAY	NON-IMPACT	-	-	NON-IMPACT RATED	DARK GRAY
E14	METAL DOORS AND FRAMES	SHERWIN WILLIAMS	-	COLOR TO MATCH BUILDING'S	EXTERIOR ACRYLIC	SEMI-GLOSS	2 OVER 1 PRIMER	(2) COATS SW PRO INDUSTRIAL ACRYLIC, SEMI-GLOSS ON (1) COAT PRO INDUSTRIAL PRO-CRYL UNIVERSAL ACRYLIC PRIMER.	-
E15	PAINTED ALUMINUM WALL LOUVER AS PER HVAC PLANS	SHERWIN WILLIAMS	-	COLOR TO MATCH BUILDING'S	EXTERIOR ACRYLIC	SEMI-GLOSS	2 OVER 1 PRIMER	(2) COATS SW PRO INDUSTRIAL ACRYLIC, SEMI-GLOSS ON (1) COAT PRO INDUSTRIAL PRO-CRYL UNIVERSAL ACRYLIC PRIMER.	-
E16	PAINTED OVERFLOW SPOUT AS PER PLUMBING PLANS	SHERWIN WILLIAMS	-	COLOR TO MATCH BUILDING'S	EXTERIOR ACRYLIC	SEMI-GLOSS	2 OVER 1 PRIMER	(2) COATS SW PRO INDUSTRIAL ACRYLIC, SEMI-GLOSS ON (1) COAT PRO INDUSTRIAL PRO-CRYL UNIVERSAL ACRYLIC PRIMER.	-
E17	A/C SCREEN	SHERWIN WILLIAMS	-	COLOR TO MATCH BUILDING'S	EXTERIOR ACRYLIC	SEMI-GLOSS	2 OVER 1 PRIMER	(2) COATS SW PRO INDUSTRIAL ACRYLIC, SEMI-GLOSS ON (1) COAT PRO INDUSTRIAL PRO-CRYL UNIVERSAL ACRYLIC PRIMER.	-
E18	PREFAB METAL CANOPY	-	TO MATCH SW 6904	GUSTO GOLD	ANODIZED	BY MANUF.	BY MANUF.	PREFINISHED	ORANGE
E19	DUMPSTER ENCLOSURE	-	TO MATCH SW 6904	EXTRA WHITE	ANODIZED	BY MANUF.	BY MANUF.	PREFINISHED	WHITE

3 / A5.1 EXTERIOR FINISH SCHEDULE

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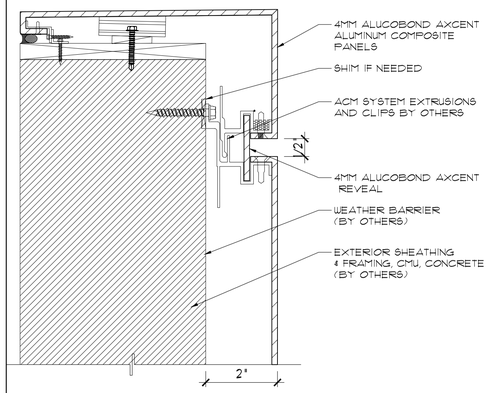

1 A5.2 ALUCOBOND PARAPET DETAIL
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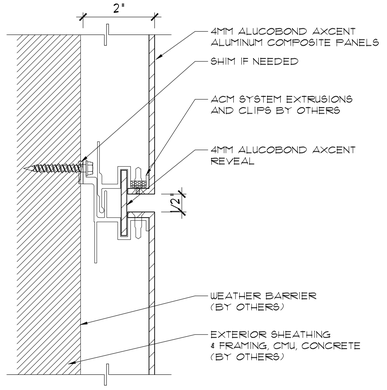

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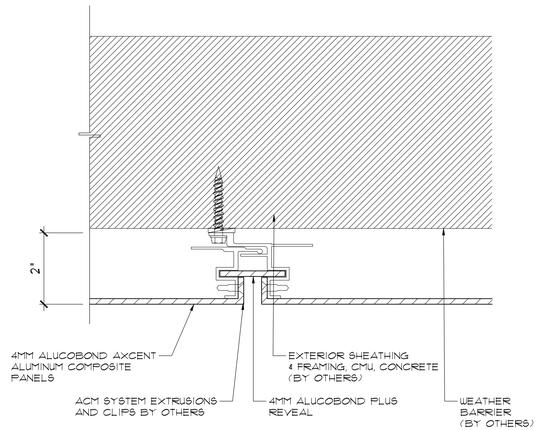

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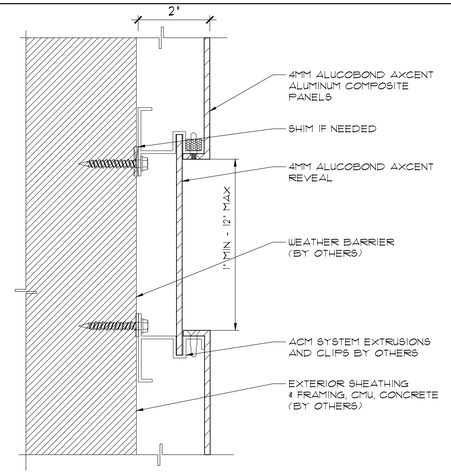

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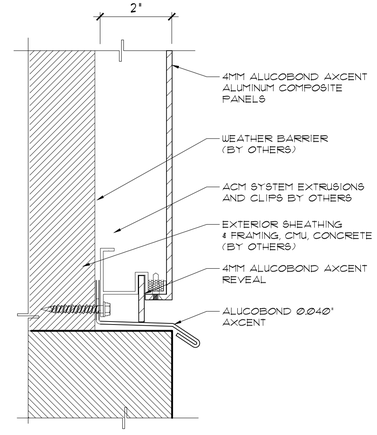

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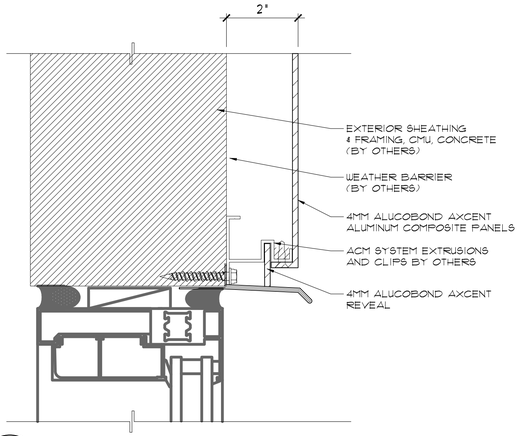

6 A5.2 ALUCOBOND HEAD DETAIL
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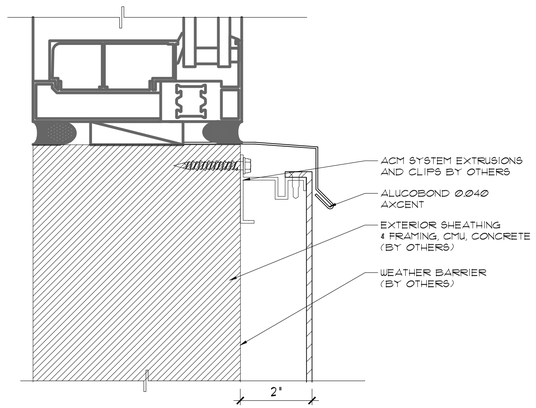

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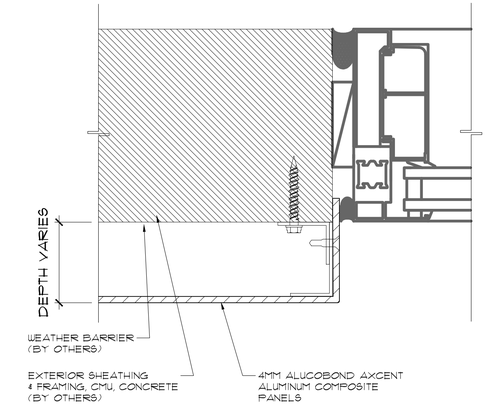

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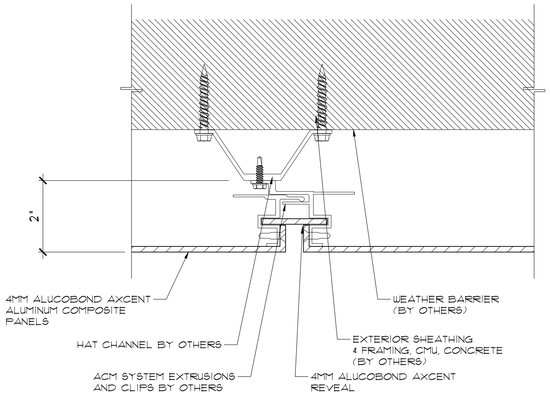

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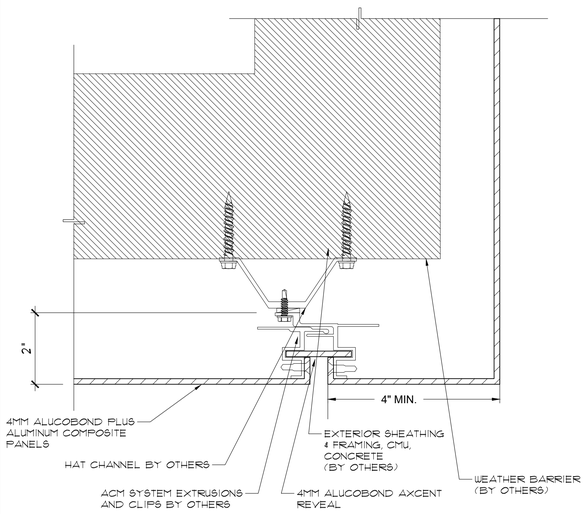

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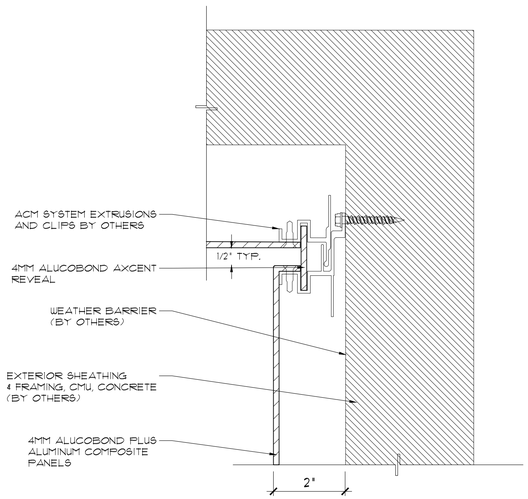

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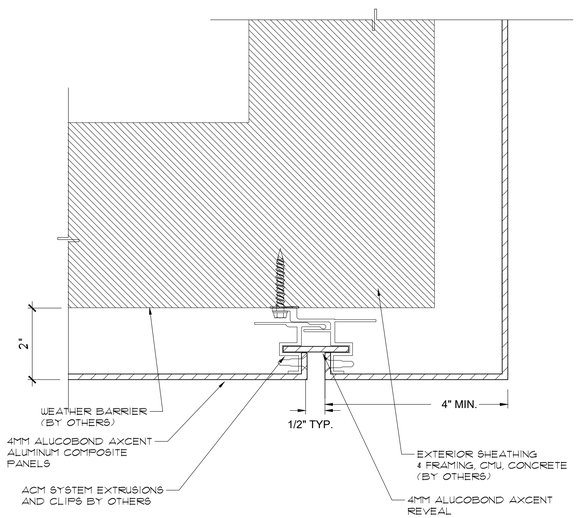

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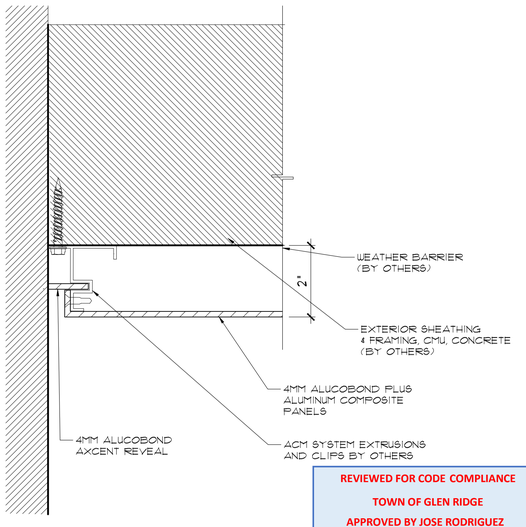

13 A5.2 ALUCOBOND ENDWALL DETAIL
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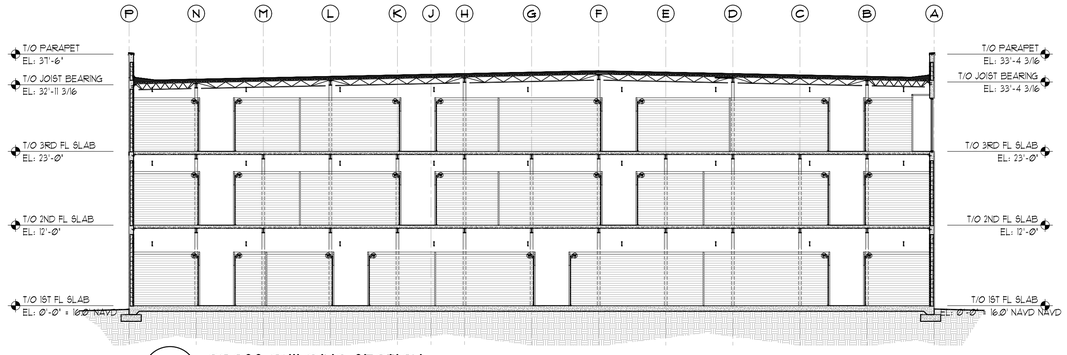
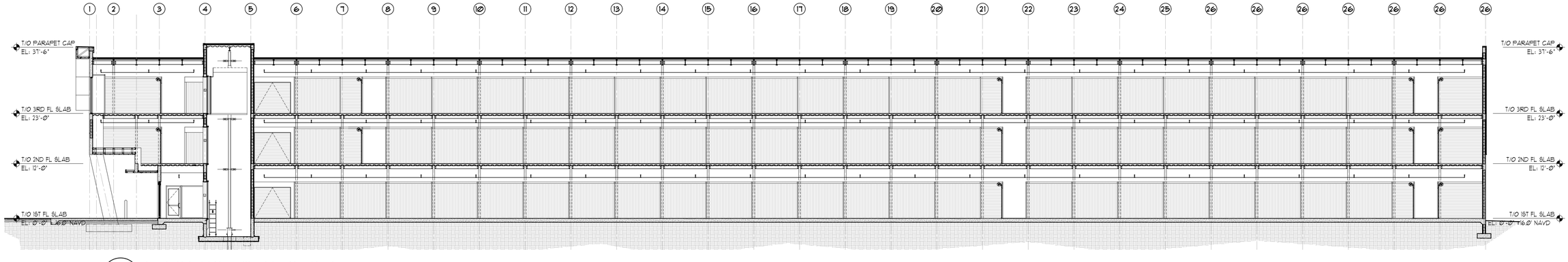


1 / A6.0 CROSS BUILDING SECTION

3/32" = 1'-0"



2 / A6.0 LONGITUDINAL BUILDING SECTION

3/32" = 1'-0"

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AA C001818

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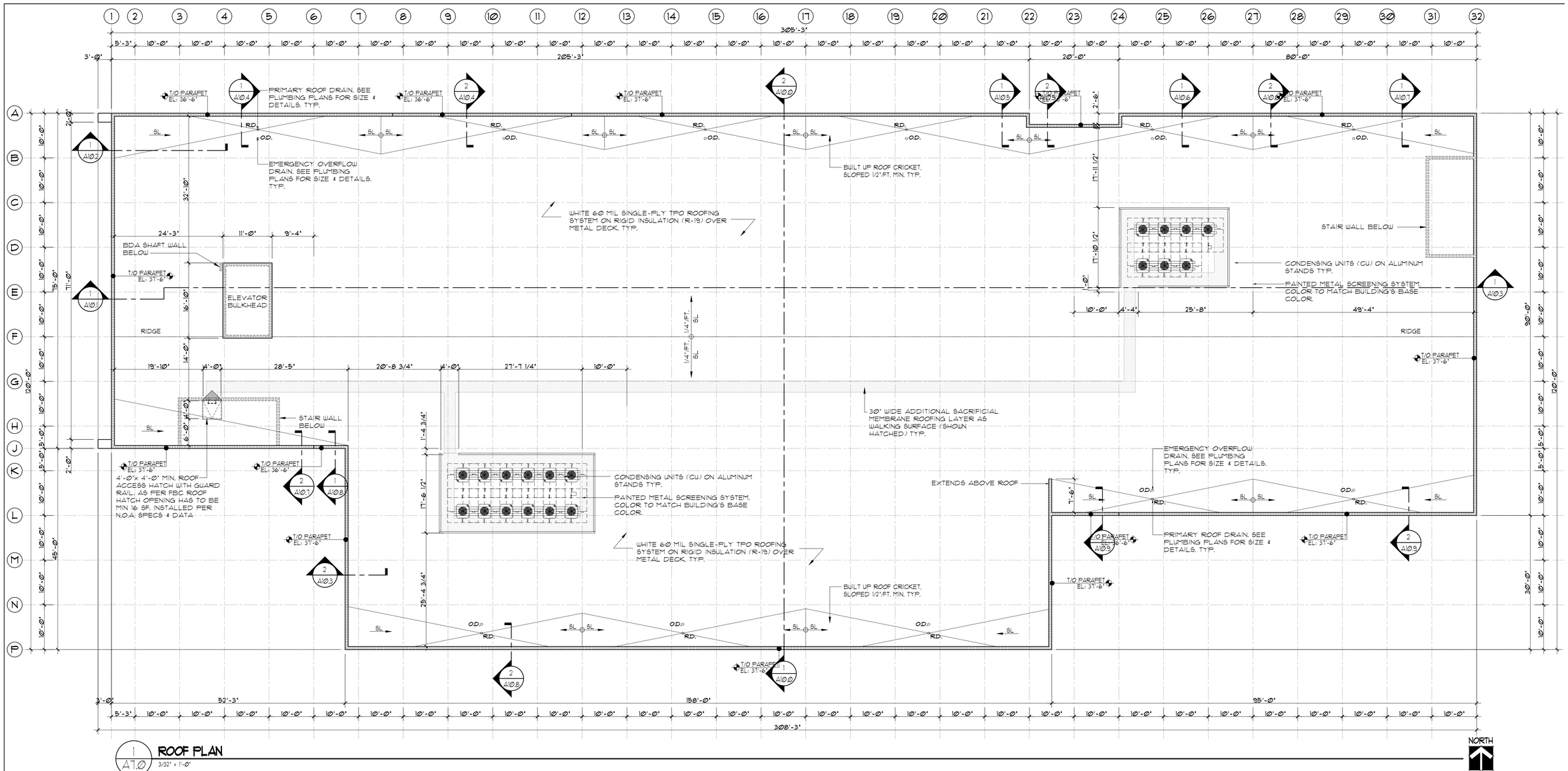

ROOF PLAN

1/AT.0 — 3/32" = 1'-0"

NORTH

SINGLE PLY TPO ROOFING SYSTEM	APPLICATION: SINGLE PLY TPO ROOFING MEMBRANE OVER INSULATED STEEL DECK OR APPROVED EQUAL
ITEM: FLAT ROOF	**MANUFACTURER: JOHNS MANVILLE**
A - CODE COMPLIANCE AUTHORITY 1. APPROVAL No. AND SYSTEM PAGES a. MAXIMUM FIELD DESIGN PRESSURE b. METAL DECK GAUGE & PROFILE TYPE c. STEEL GRADE & YIELD d. ATTACHMENT METHOD TO SUPPORTS e. ATTACHMENTS AT SIDELAPS f. JOIST OR SUPPORT SPACING LIMITATIONS	FBC HVHZ #: FL16758-R35, 6-M-18 -52.5 psf, GL#7 MIN. 22ga TYPE B GRADE: G90 5/8" ø PUDDLE WELDS ON 9DI WELD PATTERN 36/7 WITH (4) 212 SIDE LAP FASTENERS MAXIMUM 72" O.C.
B - ROOF INSULATION - BASE LAYER 1. ATTACHMENT 2. PER ¢ CORNER ENGINEERING REQUIRED ROOF INSULATION - TOP LAYER 1. ATTACHMENT 2. PER ¢ CORNER ENGINEERING REQUIRED	JM POLYISOCYANURATE, 3.3" R-19.2 MIN. PRELIMINARY FASTENING - USE 6 PER 4x8 BOARD NO NA NA NA
C - TPO MEMBRANE: 1. MEMBRANE THICKNESS 2. ATTACHMENT METHOD 3. SPACING IN SIDE LAP SEAM 4. MAXIMUM ROW SPACING-ZONE 1 FIELD 5. PERIMETER & CORNER ENGINEERING REQ.	JM 060 TPO-WHITE 60 mil HIGH LOAD FASTENERS & PLATES PER NOA IN 6' MAX. LAPS 6" O.C. MAX. 114" YES
D - FLASHING SPECIFICATION 1. MEMBRANE THICKNESS	EVERGUARD TPO-WHITE 60 mil
E - WARRANTY - MANUFACTURER - INSTALLER	20 YR DIAMOND PLEDGE NDL 2 YR WORKMANSHIP

GENERAL NOTES:

1. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED SHOP DRAWINGS BY A FLORIDA REGISTERED ENGINEER FOR PREFABRICATED, PRE-ENGINEERED ROOF STEEL BAR-JOISTS, INCLUDING JOISTS LAYOUT PLAN AND DECKING CONNECTION SPECS FOR REVIEW AND APPROVAL BY ARCHITECT AND ENGINEER. CONTRACTOR MUST RECEIVE APPROVAL PRIOR START OF FABRICATION. TYPICAL

2. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED ROOFING SHOP DRAWINGS TO 'A' & 'E' FOR REVIEW AND APPROVAL PRIOR TO START INSTALLATION. SAID SHOP DRAWINGS SHALL INCLUDES UPLIFT WIND LOAD CALCULATIONS FOR ALL ROOF ZONE AREAS (ZONE 1 FIELD, & ZONE 2/3 PERIMETER AND CORNERS) DEMONSTRATING COMPLIANCE WITH DESIGN DOCUMENTS FOR ALL ROOFING SYSTEMS, ROOF MOUNTED EQUIPMENTS, SCREENING SYSTEM AND ALL ROOFING COMPONENTS SPECIFIED ON PLANS. TYPICAL

ROOF MATRIX & GENERAL NOTES

1/AT.0

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TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
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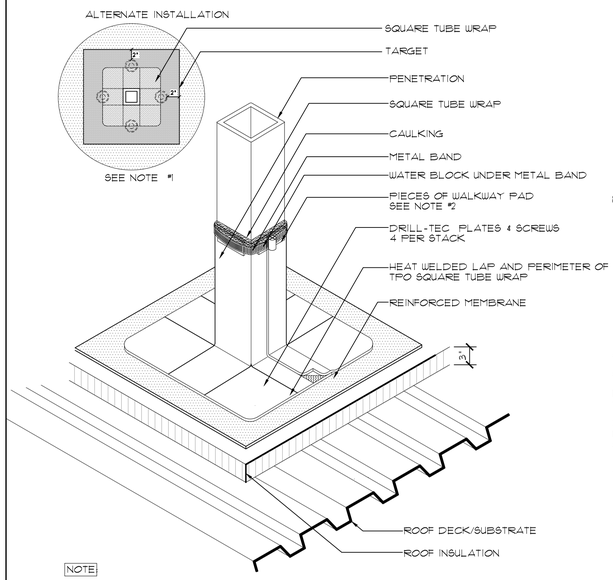
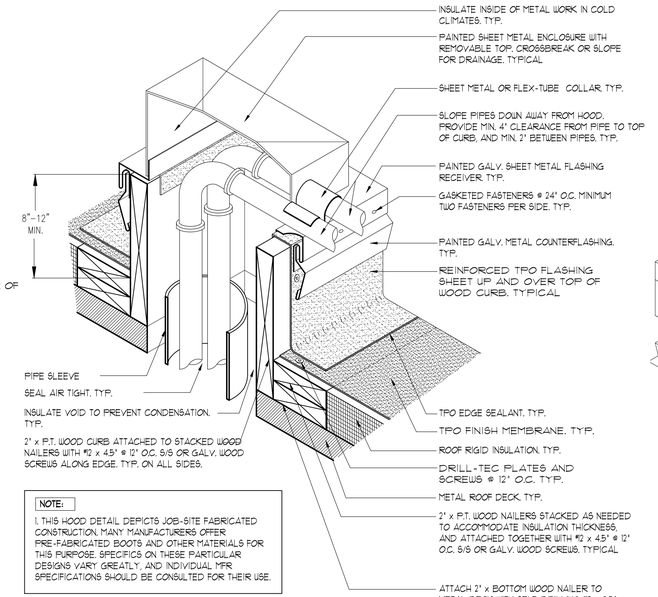


NOTE

1. IF THE PLATES AND FASTENERS INTRUDE INTO BOOT FLANGE AREA, THEN A TARGET MUST FIRST BE INSTALLED OVER PLATES AND FASTENERS BEFORE BOOT INSTALLATION.
2. IF A TIGHTER FIT IS REQUIRED AT THE TOP OF THE WRAP, INSERT SLIVERS OF WALKWAY PAD BETWEEN THE BAND AND THE MEMBRANE ON ALL FOUR SIDES.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES

1 / A7.1 ROOF PENETRATION FLASHING DETAIL

SCALE: N.T.S.

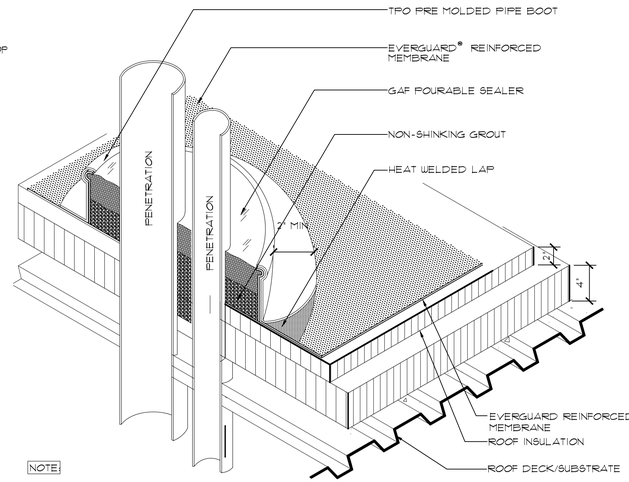


NOTE:

1. THIS HOOD DETAIL DEPICTS JOB-SITE FABRICATED CONSTRUCTION. MANY MANUFACTURERS OFFER PRE-FABRICATED BOOTS AND OTHER MATERIALS FOR THIS PURPOSE. SPECIFICS ON THESE PARTICULAR DESIGNS VARY GREATLY, AND INDIVIDUAL MFR SPECIFICATIONS SHOULD BE CONSULTED FOR THEIR USE.

2 / A7.1 MULTIPLE PIPE ROOF PENETRATION DETAIL

SCALE: N.T.S.

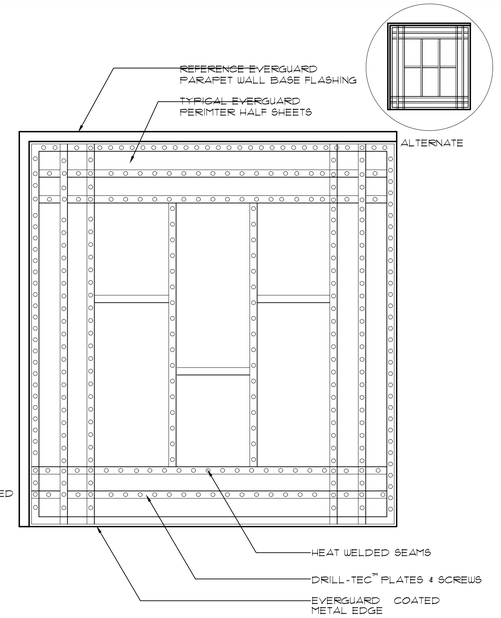


NOTE

1. EXISTING PROJECTION MUST BE CLEANED AND FREE OF INSULATING MATERIALS .
2. POURABLE SEALER MOUNTED TO SHED WATER (MAX 2" DEPTH), REMAINDER OF POCKET MAY BE FILLED WITH A NON-SHRINKING GROUT.
3. DO NOT USE OVER EXISTING PENETRATION POCKETS.
4. DO NOT USE WHEN SERVICE LINE TEMP. EXCEEDS 140°F.
5. TPO PRIMER REQ. ON PENETRATIONS AND MEMBRANE INSIDE OF PENETRATION POCKET.
6. APPLY EVERGUARD® TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES

3 / A7.1 TPO PENETRATION DETAIL

SCALE: NTS.

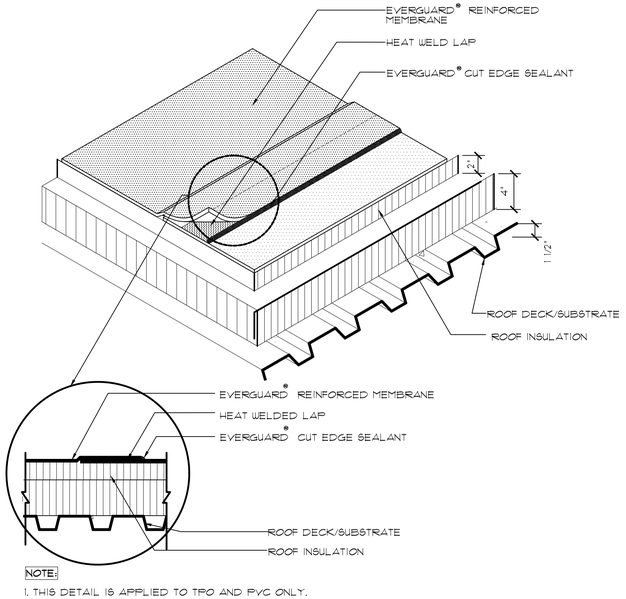


NOTE

1. SEE EVERGUARD® MECHANICALLY ATTACHED SYSTEM GUIDLINES TO DETERMINE FASTENER SPACING FOR VARIOUS DECK TYPES AND WIND UPLIFT REQUIREMENTS, AND FOR REQUIRED NUMBER OF PERIMETER HALF SHEETS.

4 / A7.1 TPO DETAIL

SCALE: NTS.



NOTE:

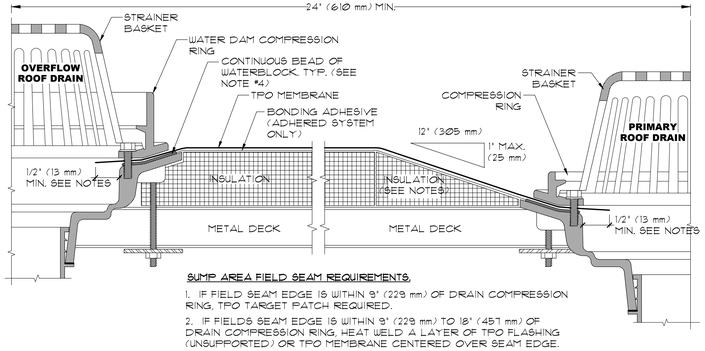
1. THIS DETAIL IS APPLIED TO TPO AND PVC ONLY.
2. EVERGUARD CUT EDGE SEALANT MUST BE USED ON ANY TPO AND PVC CUT EDGES WITH APPROPRIATE SEALANT.

5 / A7.1 TPO DETAIL

SCALE: NTS.

NOTES:

1. REFER TO MFR'S WEB-SITE FOR THE MOST CURRENT INFORMATION.
2. HOLE IN MEMBRANE SHOULD EXTEND A MINIMUM OF 1/2" (13 mm) BEYOND CLAMPING RING AND SHOULD NOT BE SMALLER THAN THE DIAMETER OF THE LEADER PIPE.
3. INSULATION ADJACENT TO DRAIN TO BE APPROPRIATE INSULATION WITH APPROPRIATE BONDING SURFACE.
4. WATERBLOCK MIN 1/2 OF 10 OZ. (295 ml) TUBE PER 4" DRAIN. USE ADDITIONAL WATERBLOCK FOR LARGER DRAINS.
5. IN RE-ROOF APPLICATIONS:
-REMOVE EXISTING FLASHING DOWN TO METAL BOWL.
-REPAIR OR REPLACE BROKEN DRAINS COMPONENTS.
-DRILL AND TAP BROKEN DRAINS BOLTS AND REPLACE IF NECESSARY.



SUMP AREA FIELD SEAM REQUIREMENTS.

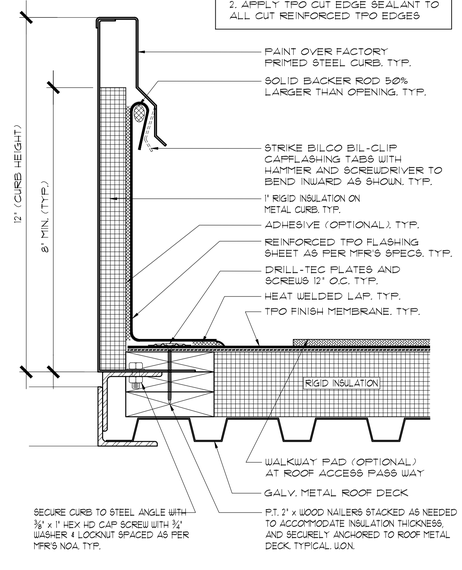
1. IF FIELD SEAM EDGE IS WITHIN 9" (229 mm) OF DRAIN COMPRESSION RING, TPO TARGET PATCH REQUIRED.
2. IF FIELDS SEAM EDGE IS WITHIN 9" (229 mm) TO 18" (457 mm) OF DRAIN COMPRESSION RING, HEAT WELD A LAYER OF TPO FLASHING (UNSUPPORTED) OR TPO MEMBRANE CENTERED OVER SEAM EDGE. FLASHING MUST EXTEND 3" (76 mm) MIN. BEYOND EDGE OF SUMP. TYP.

6 / A7.1 ROOF DRAIN FLASHING DETAILS. TYP.

SCALE: N.T.S.

NOTES:

1. PLATES AND SCREWS 6" O.C. REQ'D FOR BA SYSTEMS.
2. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES



7 / A7.1 METAL CURB FLASHING DETAIL. TYP.

SCALE: N.T.S.

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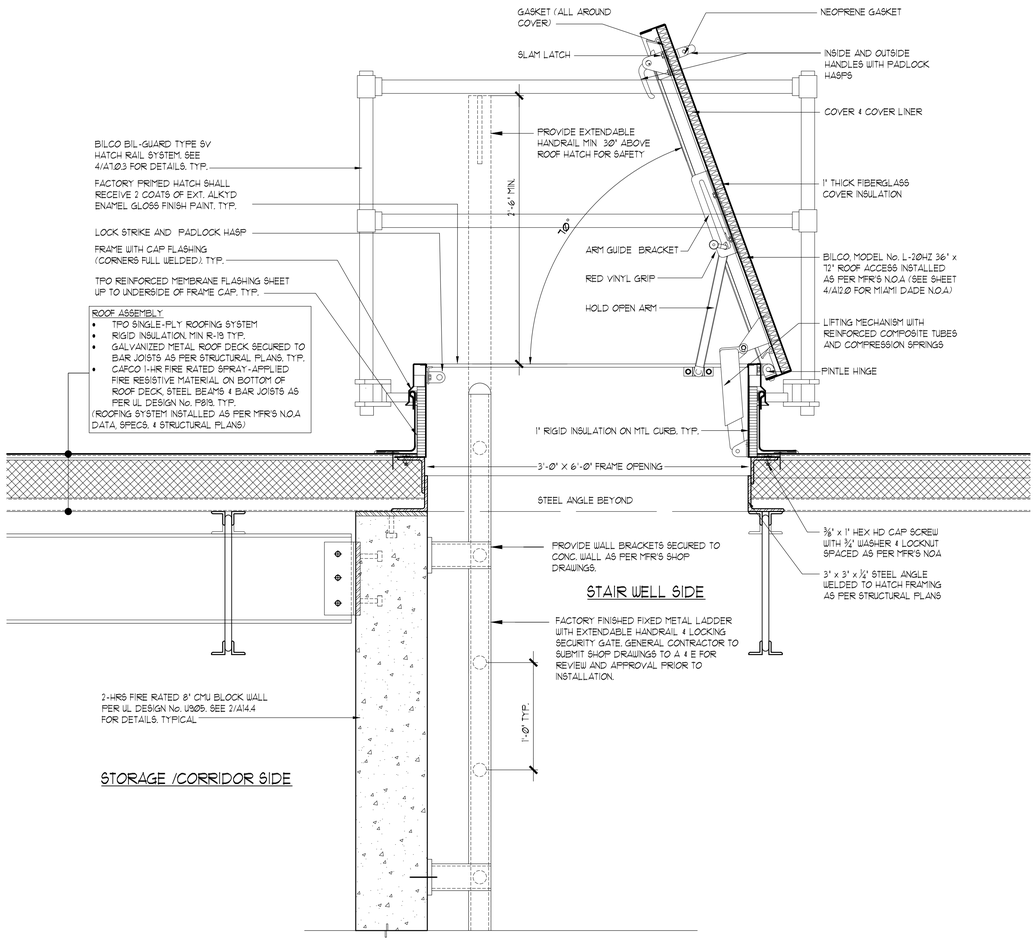
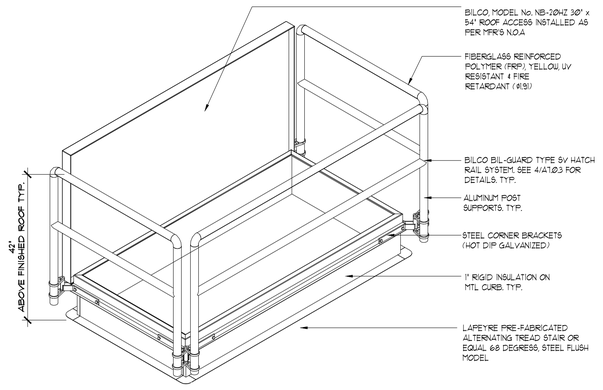


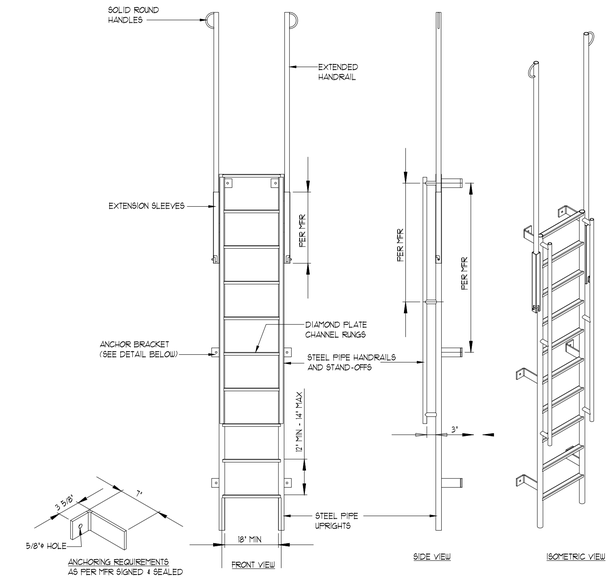
1 A7.2 ROOF HATCH & FIXED ACCESS LADDER DETAILS

SCALE: N.T.S.



2 A7.2 ROOF HATCH DETAIL

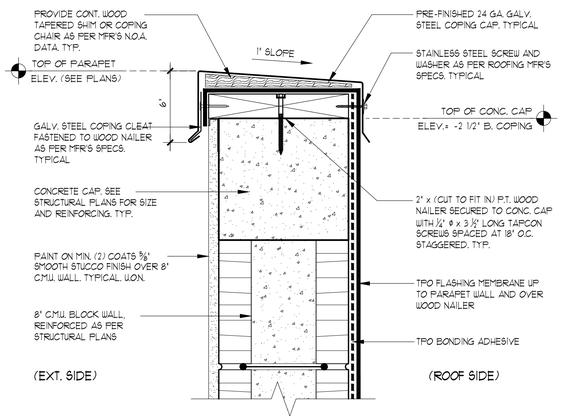
SCALE: N.T.S



B.O.D: PIPELINE PRODUCTS VAULT (VL-18Ø) LADDER WITH EXTENDING HANDRAILS OR EQUAL

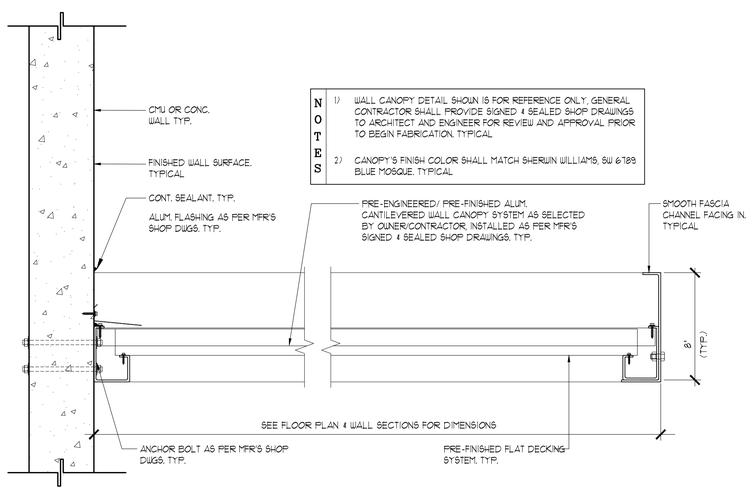
3 A7.2 FIXED LADDER DETAIL

SCALE: N.T.S.



5 A7.2 PARAPET COPING CAP DETAIL. TYPICAL

SCALE: N.T.S.



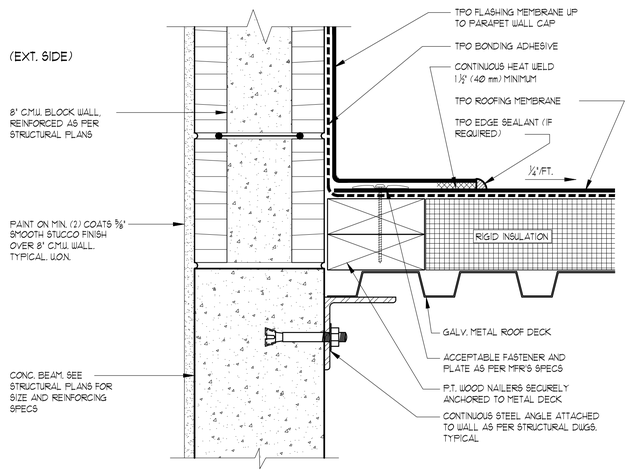
NOTES

1) WALL CANOPY DETAIL SHOWN IS FOR REFERENCE ONLY. GENERAL CONTRACTOR SHALL PROVIDE SIGNED & SEALED SHOP DRAWINGS TO ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO BEGIN FABRICATION. TYPICAL

2) CANOPY'S FINISH COLOR SHALL MATCH SHERWIN WILLIAMS, SW 6788 BLUE MOSQUE. TYPICAL

4 A7.2 WALL CANOPY DETAIL

SCALE: N.T.S.



NOTES:

1. DETAILS TO BE USED IN CONJUNCTION WITH GUIDE SPECIFICATIONS CONTAINING REQUIREMENTS FOR NAILERS, INSULATION, ETC.

2. MFR'S TPO EDGE SEALANT IS USED TO SEAL THE MEMBRANE EDGES WHERE REINFORCING FABRIC IS CUT AND EXPOSED. EDGE SEALANT IS REQUIRED ON ALL END LAPS, T-JOINTS, AND FIELD CUT EDGES.

3. IN NEW CONSTRUCTION ACCEPTABLE SUBSTRATES INCLUDE EXTERIOR GRADE PLYWOOD, POURED OR PRECAST CONC., CEMENT BLOCK OR MASONRY WALLS. CONTACT MFR'S TECHNICAL SERVICES FOR OTHER SUBSTRATES.

4. FOR WALL FLASHINGS OVER 3'-Ø" (900 mm), INTERMEDIATE FASTENING IS REQUIRED AT 3'-Ø" (900 mm) INTERVALS.

5. INSULATION MUST BE COMPATIBLE WITH MFR'S TPO BONDING ADHESIVE.

6 A7.2 TPO WALL BASE FLASHING DETAIL. TYPICAL

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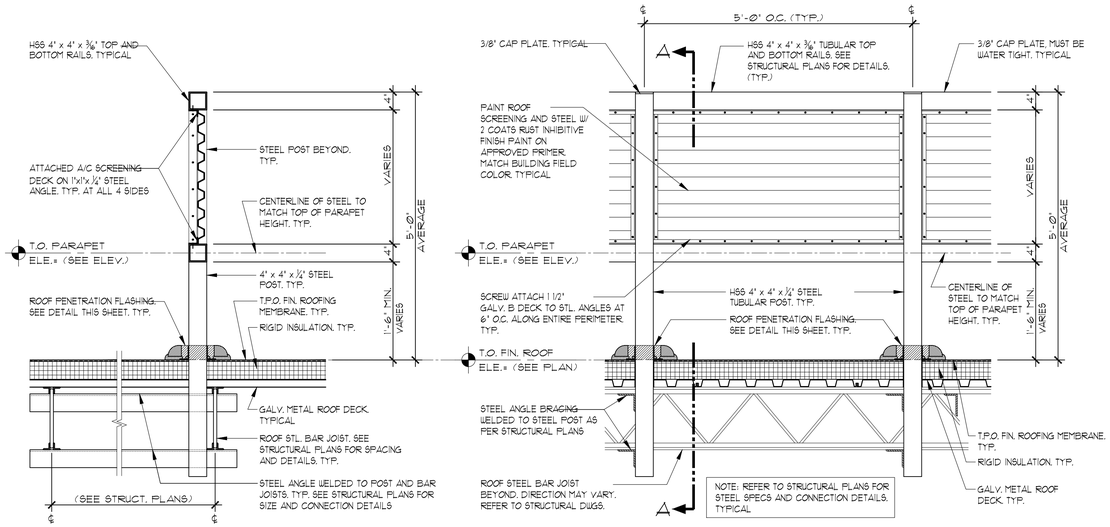

1 / A7.3 **ROOF MOUNTED CONDENSING UNITS SCREENING DETAILS. TYPICAL**

SCALE: N.T.S.

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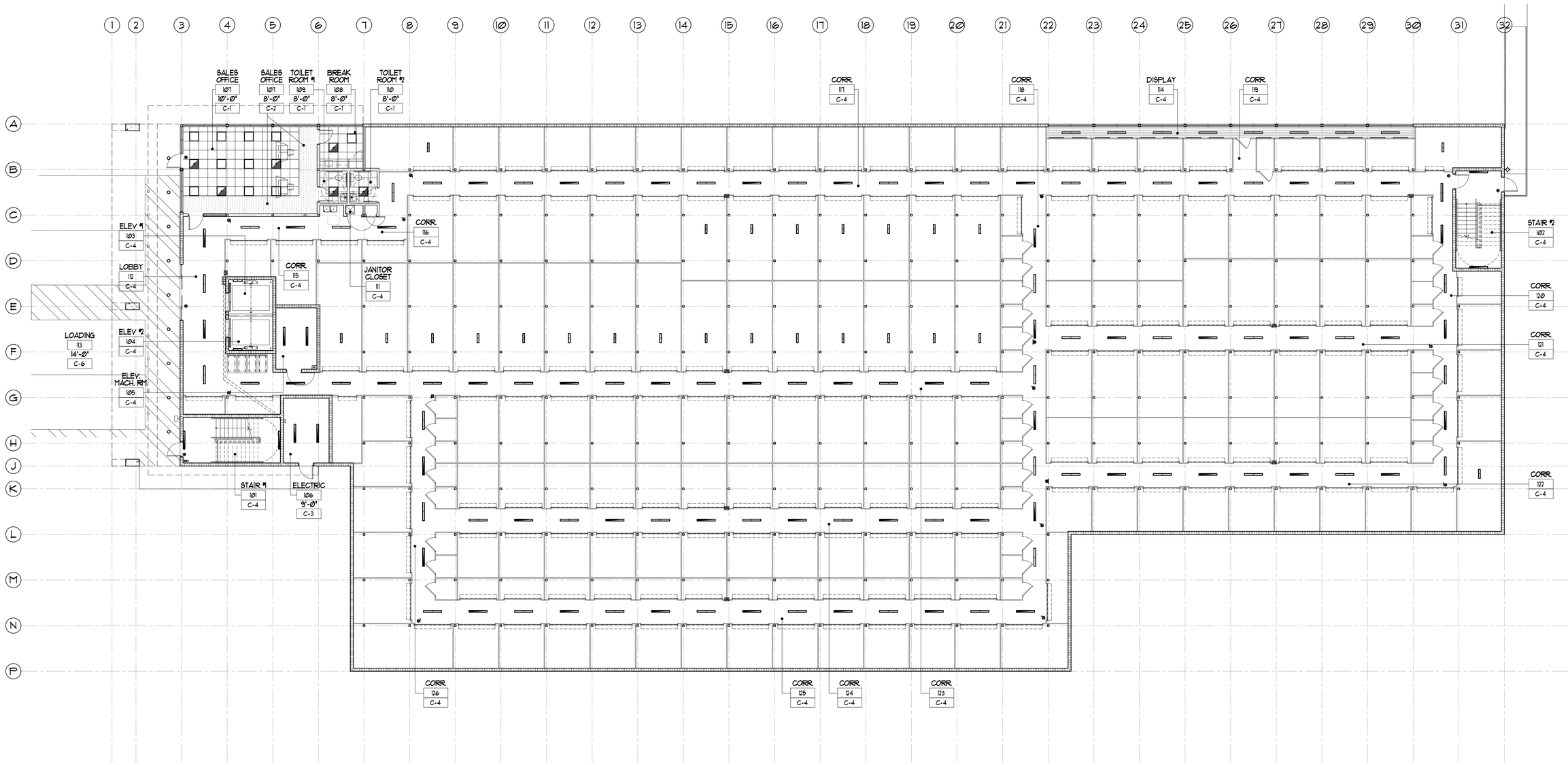

1 A8.0 — 1ST FL REFLECTED CEILING PLAN

3/32" = 1'-0"

NORTH

REFLECTED CEILING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
C-1	ARMSTRONG 'CIRRUS' SQUARE LAY-IN 24" x 24" x 5/8" TILE WITH 'PRELUDE' XL 15/16" WHITE EXPOSED TEE GRID SUSPENSION SYSTEM		NON RATED GYPSUM BOARD CEILING		24"x24" LED TROFFER W/ BATTERY BACKUP
C-2	PAINTED GYPSUM WALL BOARD CEILING, SEE FINISH SCHEDULE SHEET FOR ADDITIONAL INFORMATION. TYP.		1 x 2 HOUR RATED GYPSUM BOARD CEILING		SURFACE MOUNT LED LIGHT W/ OCC. SENSOR
C-3	PAINTED 1-HR. FIRE RATED GYPSUM WALL BOARD ROOF/CEILING ASSEMBLY. SEE SCHEDULE SHEET FOR ADDITIONAL INFO. TYP.		24" X 24" SUSPENDED ACOUSTICAL CEILING TILE AND GRID SYSTEM. TYP.		48" SURFACE MOUNT LED STAIRWELL FIXTURE W/ BATTERY BACKUP
C-4	EXPOSED TO STRUCTURE / OPEN		48" SURFACE MOUNT LED STRIP LIGHT		DECORATIVE WALL MOUNT FIXTURE
C-5	SECURITY WIRE MESH ABOVE STORAGE UNITS @ 9'-0" A.F.F. TO BE SELECTED BY OWNER. TYP.		48" SURFACE MOUNT LED STRIP LIGHT W/ BATTERY BACKUP		DECORATIVE WALL MOUNT FIXTURE W/ BATTERY BACKUP
C-6	EXTERIOR STUCCO CEILING		24"x24" LED TROFFER		WALL MOUNTED THERMOPLASTIC EXIT SIGN
C-7	PRE-FINISHED INTERIOR METAL PANEL SOFFIT				CEILING MOUNTED THERMOPLASTIC EXIT SIGN
				EF	EXHAUST FAN, REFER TO HVAC PLANS. TYP.

NOTE:

1. LIGHTING LAYOUT FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SPECIFICATIONS, EMERGENCY LIGHT AND EXIT LIGHT LOCATIONS AND SPECIFICATIONS.
2. REFER TO MECHANICAL DRAWINGS FOR ALL HVAC REGISTER LOCATIONS.
3. ALL FIRE DAMPERS IN CEILINGS SHALL BE PROVIDED WITH MIN. 24"x24" ACCESS OPENING TO ALLOW ACCESS TO DEVICES.

1 A8.0 — REFLECTED CEILING LEGEND & NOTES

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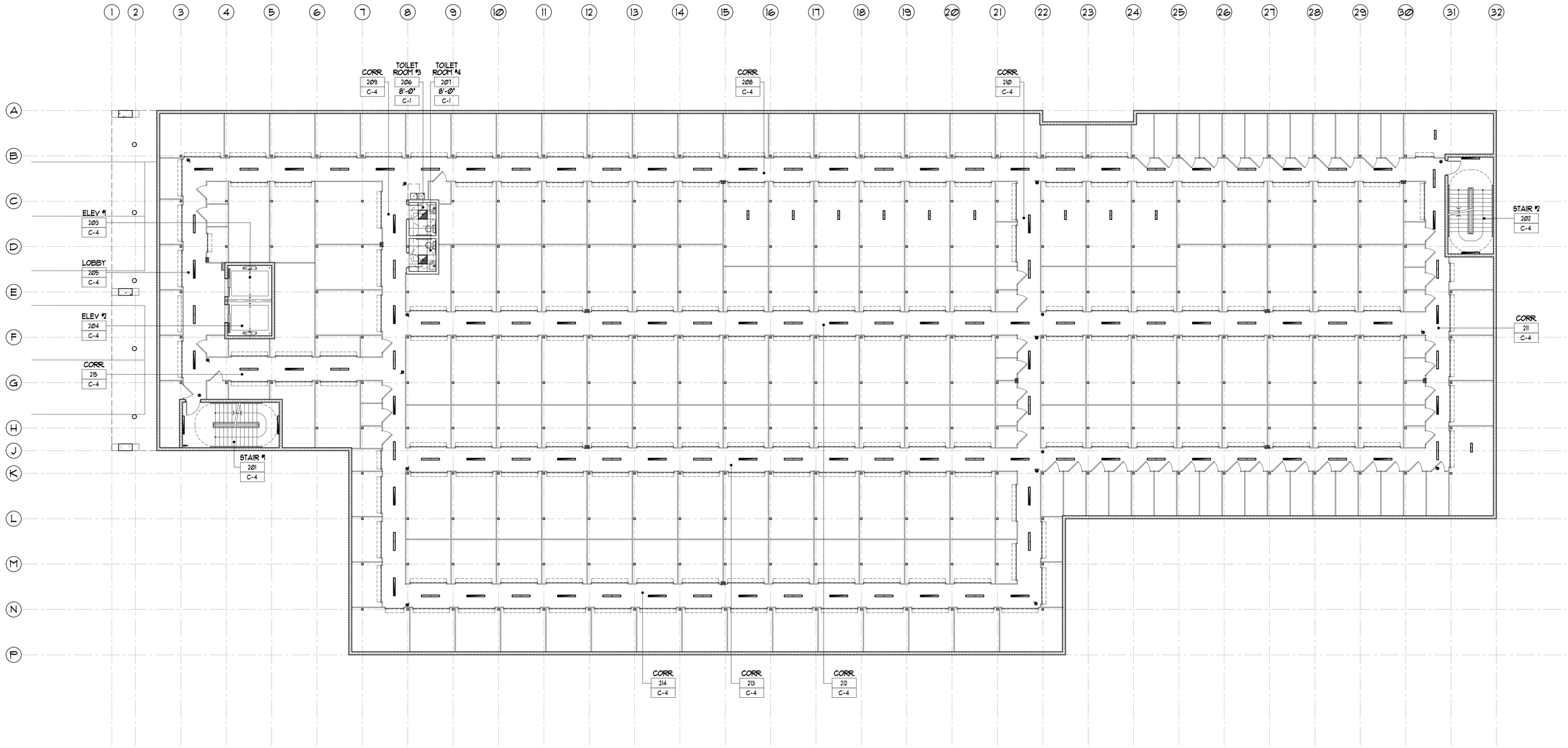

1 A8.1 **2ND FL REFLECTED CEILING PLAN**

3/32" = 1'-0"

REFLECTED CEILING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
C-1	ARMSTRONG 'CIRRUS' SQUARE LAY-IN 24" x 24" x 5/8" TILE WITH 'PRELUDE' XL 15/16" WHITE EXPOSED TEE GRID SUSPENSION SYSTEM		NON RATED GYPSUM BOARD CEILING		24"x24" LED TROFFER W/ BATTERY BACKUP
C-2	PAINTED GYPSUM WALL BOARD CEILING, SEE FINISH SCHEDULE SHEET FOR ADDITIONAL INFORMATION. TYP.		1 & 2 HOUR RATED GYPSUM BOARD CEILING		SURFACE MOUNT LED LIGHT W/ OCC. SENSOR
C-3	PAINTED 1-HR. FIRE RATED GYPSUM WALL BOARD ROOF/CEILING ASSEMBLY. SEE SCHEDULE SHEET FOR ADDITIONAL INFO. TYP.		24" X 24" SUSPENDED ACOUSTICAL CEILING TILE AND GRID SYSTEM. TYP.		48" SURFACE MOUNT LED STAIRWELL FIXTURE W/ BATTERY BACKUP
C-4	EXPOSED TO STRUCTURE / OPEN		48" SURFACE MOUNT LED STRIP LIGHT		DECORATIVE WALL MOUNT FIXTURE
C-5	SECURITY WIRE MESH ABOVE STORAGE UNITS @ 8'-0" A.F.F. TO BE SELECTED BY OWNER. TYP.		48" SURFACE MOUNT LED STRIP LIGHT W/ BATTERY BACKUP		DECORATIVE WALL MOUNT FIXTURE W/ BATTERY BACKUP
C-6	EXTERIOR STUCCO CEILING		24"x24" LED TROFFER		WALL MOUNTED THERMOPLASTIC EXIT SIGN
C-7	PRE-FINISHED INTERIOR METAL PANEL SOFFIT				CEILING MOUNTED THERMOPLASTIC EXIT SIGN
				EF	EXHAUST FAN. REFER TO HVAC PLANS. TYP.

NOTE:

1. LIGHTING LAYOUT FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SPECIFICATIONS, EMERGENCY LIGHT AND EXIT LIGHT LOCATIONS AND SPECIFICATIONS.
2. REFER TO MECHANICAL DRAWINGS FOR ALL HVAC REGISTER LOCATIONS.
3. ALL FIRE DAMPERS IN CEILINGS SHALL BE PROVIDED WITH MIN. 24"x24" ACCESS OPENING TO ALLOW ACCESS TO DEVICES.

1 A8.1 **REFLECTED CEILING LEGEND & NOTES**

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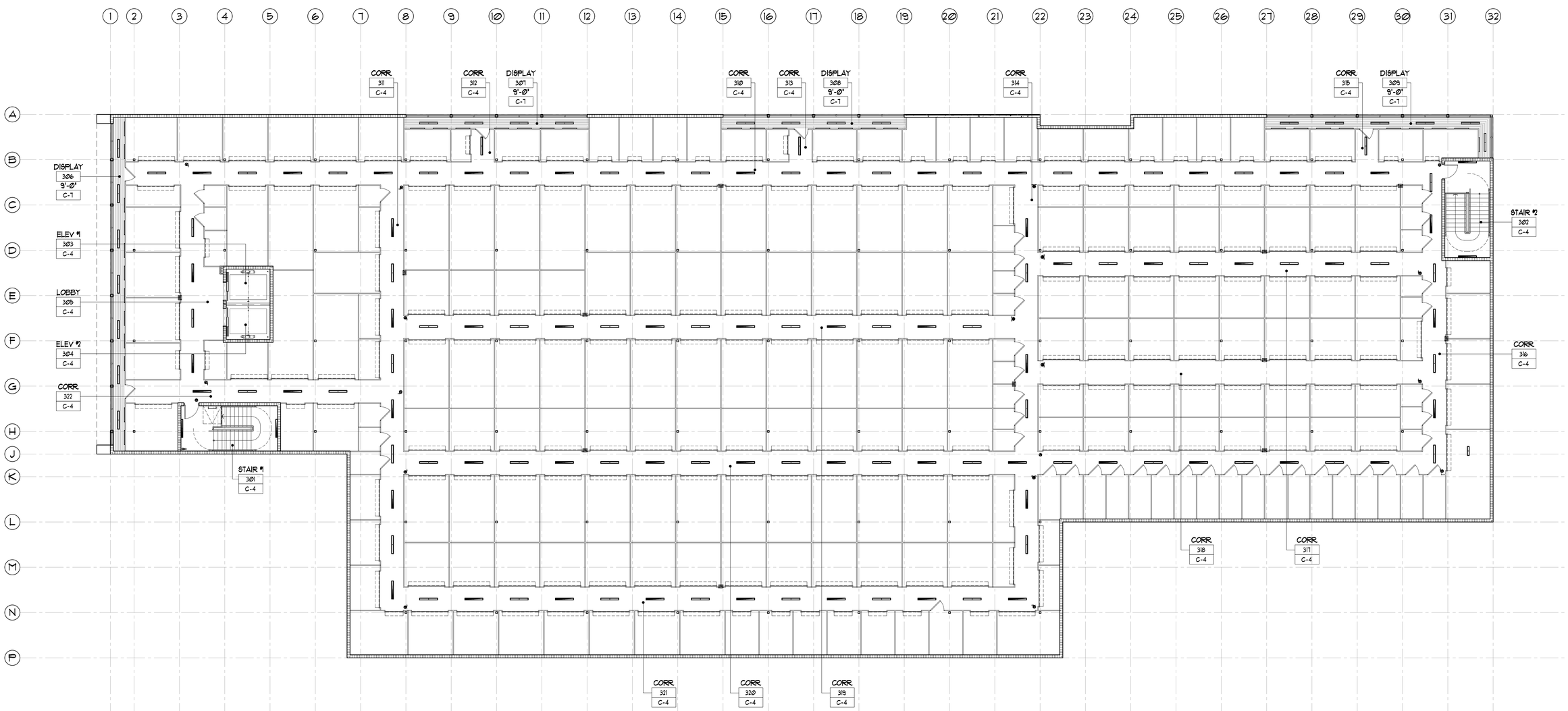

1 A8.2 **3RD FL REFLECTED CEILING PLAN**

3/32" = 1'-Ø"

REFLECTED CEILING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
C-1	ARMSTRONG 'CIRRUS' SQUARE LAY-IN 24" x 24" x 5/8" TILE WITH 'PRELUDE' XL 15/16" WHITE EXPOSED TEE GRID SUSPENSION SYSTEM		NON RATED GYPSUM BOARD CEILING		24"x24" LED TROFFER W/ BATTERY BACKUP
C-2	PAINTED GYPSUM WALL BOARD CEILING, SEE FINISH SCHEDULE SHEET FOR ADDITIONAL INFORMATION, TYP.		1 & 2 HOUR RATED GYPSUM BOARD CEILING		SURFACE MOUNT LED LIGHT W/ OCC. SENSOR
C-3	PAINTED 1-HR. FIRE RATED GYPSUM WALL BOARD ROOF/CEILING ASSEMBLY. SEE SCHEDULE SHEET FOR ADDITIONAL INFO. TYP.		24" X 24" SUSPENDED ACOUSTICAL CEILING TILE AND GRID SYSTEM. TYP.		48" SURFACE MOUNT LED STAIRWELL FIXTURE W/ BATTERY BACKUP
C-4	EXPOSED TO STRUCTURE / OPEN		48" SURFACE MOUNT LED STRIP LIGHT		DECORATIVE WALL MOUNT FIXTURE
C-5	SECURITY WIRE MESH ABOVE STORAGE UNITS @ 8'-Ø" A.F.F. TO BE SELECTED BY OWNER. TYP.		48" SURFACE MOUNT LED STRIP LIGHT W/ BATTERY BACKUP		DECORATIVE WALL MOUNT FIXTURE W/ BATTERY BACKUP
C-6	EXTERIOR STUCCO CEILING		24"x24" LED TROFFER		WALL MOUNTED THERMOPLASTIC EXIT SIGN
C-7	PRE-FINISHED INTERIOR METAL PANEL SOFFIT				CEILING MOUNTED THERMOPLASTIC EXIT SIGN
				EF	EXHAUST FAN. REFER TO HVAC PLANS. TYP.

NOTE:

1. LIGHTING LAYOUT FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SPECIFICATIONS, EMERGENCY LIGHT AND EXIT LIGHT LOCATIONS AND SPECIFICATIONS.
2. REFER TO MECHANICAL DRAWINGS FOR ALL HVAC REGISTER LOCATIONS.
3. ALL FIRE DAMPERS IN CEILINGS SHALL BE PROVIDED WITH MIN. 24"x24" ACCESS OPENING TO ALLOW ACCESS TO DEVICES.

1 A8.2 **REFLECTED CEILING LEGEND & NOTES**

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE

SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

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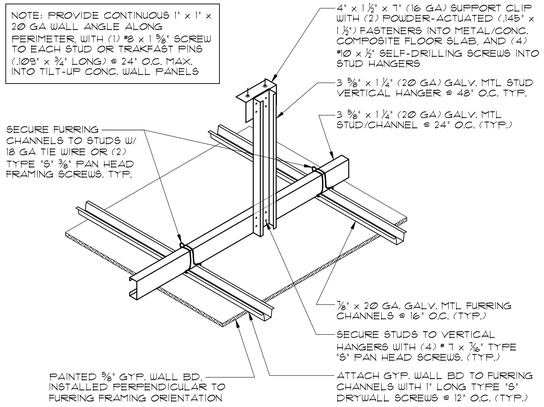

1 A8.3 *SUSPENDED DRYWALL CEILING FRAMING DETAIL*

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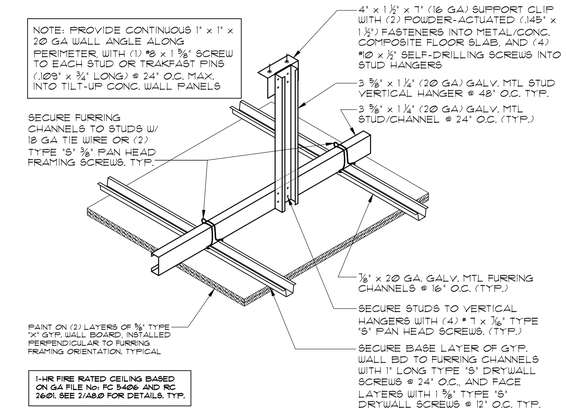
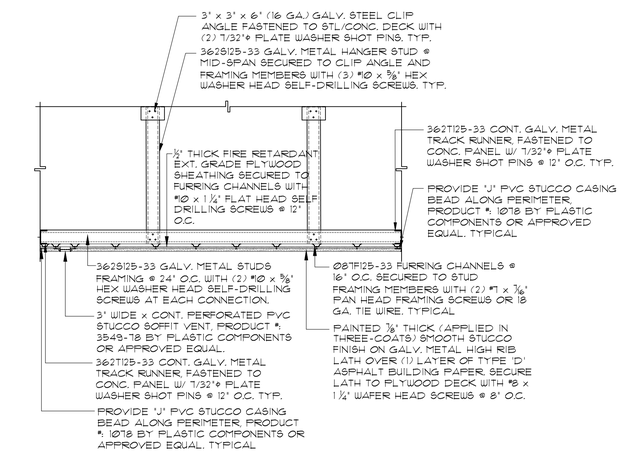


2 A8.3 *SUSPENDED DRYWALL CEILING FRAMING DETAIL*

SCALE: N.T.S.

1-HR RATED



3 A8.3 *EXTERIOR STUCCO CEILING DETAIL*

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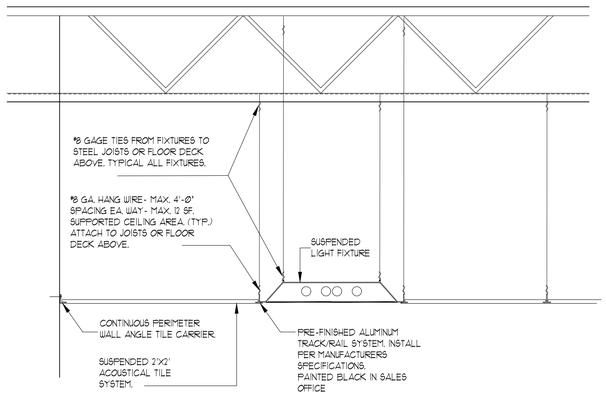

4 A8.3 *SUSPENDED ACOUSTICAL CEILING DETAIL*

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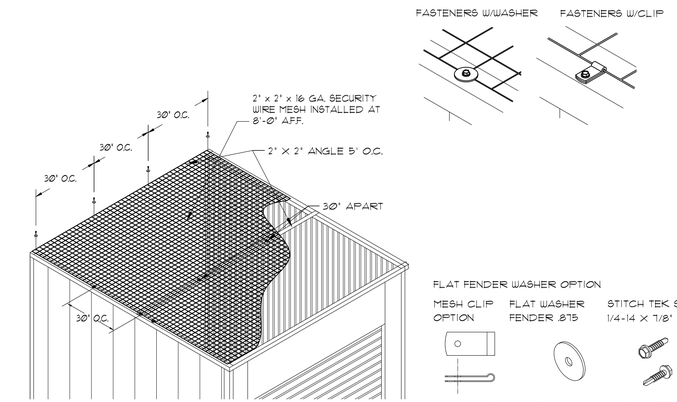
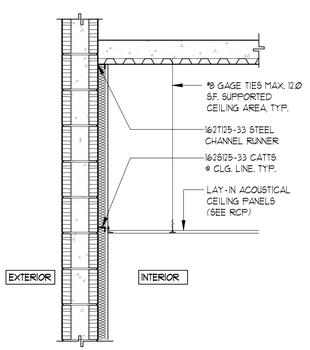


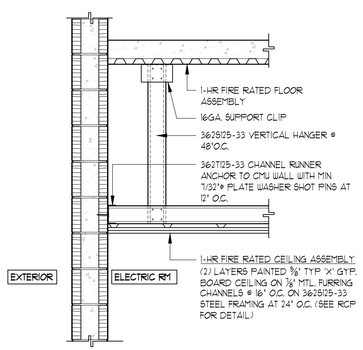
5 A8.3 *SECURITY WIRE MESH DET. TYP.*

SCALE: N.T.S.



6 A8.3 *ACOUSTICAL CEILING DETAIL*

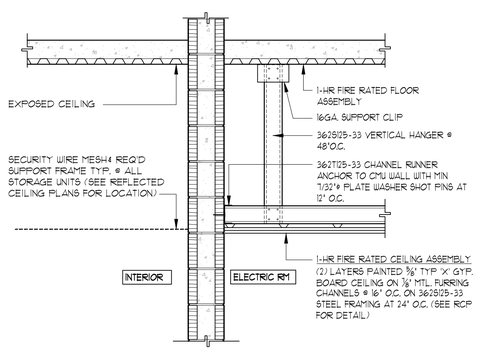
3/4" = 1'-0"



7 A8.3 *DRYWALL CEILING DETAIL*

3/4" = 1'-0"

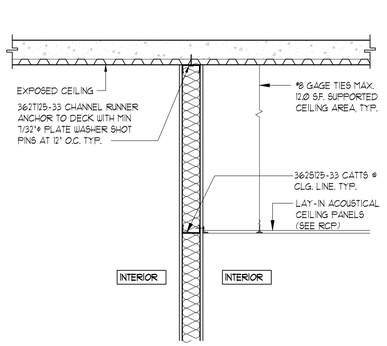
2-HR RATED



8 A8.3 *ACT/DRYWALL CEILING DETAIL*

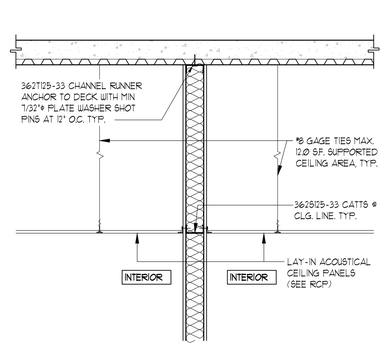
3/4" = 1'-0"

1-HR RATED



9 A8.3 *ACOUSTICAL CEILING DETAIL*

3/4" = 1'-0"



10 A8.3 *ACOUSTICAL CEILING DETAIL*

3/4" = 1'-0"

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AR12546

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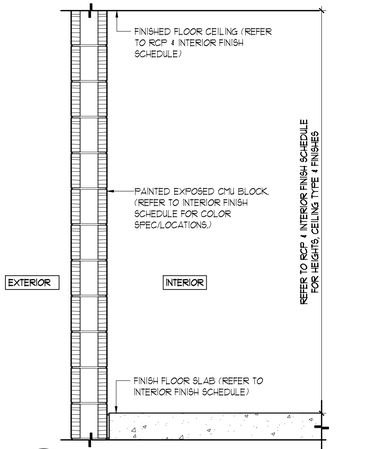
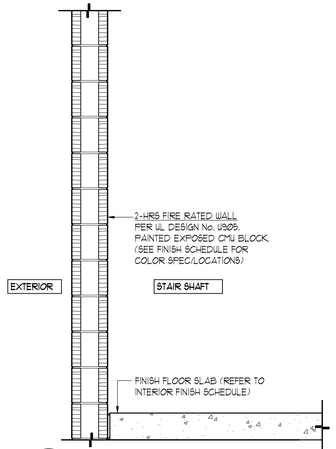


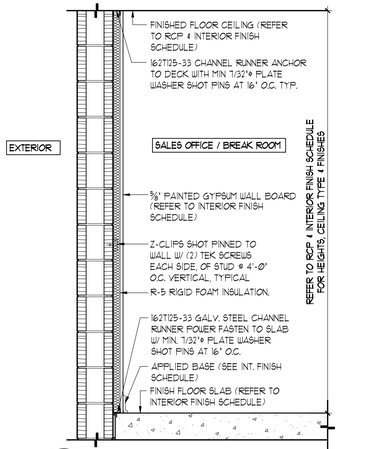
1 A9.0 **WALL TYPE 'A' & 'A1'**

3/4" = 1'-0" 'A' 8" CMU BLOCK WALL
'A1' 12" CMU BLOCK WALL



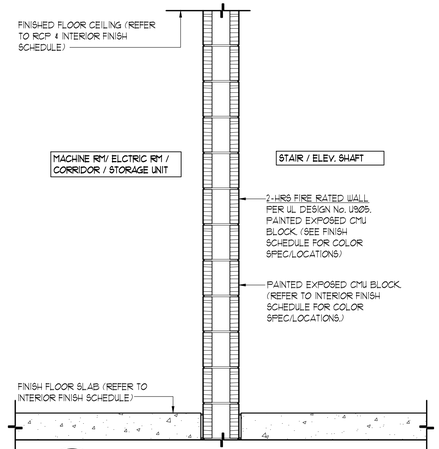
2 A9.0 **WALL TYPE 'B' & 'B1'**

3/4" = 1'-0" 'B' 8" CMU BLOCK WALL
'B1' 12" CMU BLOCK WALL



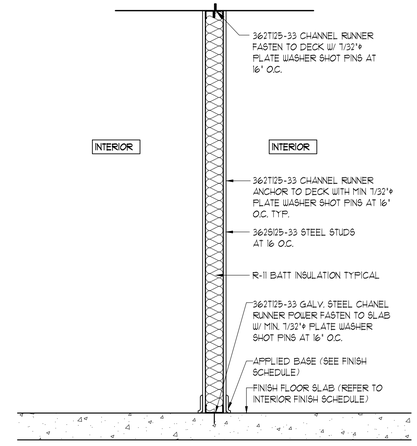
3 A9.0 **WALL TYPE 'C' & 'C1'**

3/4" = 1'-0" 'C' 8" CMU BLOCK WALL
NOTE: 'C1' 12" CMU BLOCK WALL
RIGID FOAM SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 75 & A SMOKE DEVELOPED INDEX OF NOT MORE THAN 450



5 A9.0 **WALL TYPE 'D' & 'D1'**

3/4" = 1'-0" 'D' 8" CMU BLOCK WALL
'D1' 12" CMU BLOCK WALL
1-HR FIRE RATED



5 A9.0 **WALL TYPE 'E' & 'E1'**

3/4" = 1'-0" 'E' 362S125-33 STEEL STUD WALL
'E1' 600S125-33 STEEL STUD WALL

7 A9.0 **WALL TYPE 'F' & 'F1'**

3/4" = 1'-0" 'F' 362S125-33 STEEL STUD WALL
'F1' 600S125-33 STEEL STUD WALL
2-HR FIRE RATED

8 A9.0 **WALL TYPE 'G'**

3/4" = 1'-0" 2-HR FIRE RATED SHAFTWALL

9 A9.0 **MULLION MATE PARTITION TO GLAZING DETAIL**

N.T.S.

GENERAL NOTES:

1. CEILING DIRECTION AND LOCATION MAY VARY (SEE REFLECTED CEILING PLAN FOR LOCATION AND DIRECTION
2. PROVIDE BRACING AS REQUIRED BY STUD MANUFACTURER FOR ALL FULL & PARTIAL HEIGHT WALLS
3. PROVIDE METAL BACKING FOR ALL WALL MOUNTED ACCESSORIES, CABINETS OR OTHER ITEMS
4. PROVIDE MOISTURE RESISTANT GYP. BOARD INSIDE RESTROOMS, JANITORS, ALL WET WALLS AND DRINKING FOUNTAIN LOCATIONS, TYP.
5. WATER-RESISTANT GYPSUM BACKING BOARD SHALL BE USED AS A BASE FOR TILE IN WATER CLOSET COMPARTMENT WALLS WHEN INSTALLED IN ACCORDANCE WITH GA-216 OR ASTM C840 AND THE MANUFACTURERS RECOMMENDATIONS. REGULAR GYPSUM WALLBOARD IS PERMITTED UNDER TILE OR WALL PANELS IN OTHER WALL AND CEILING AREAS WHEN INSTALLED IN ACCORDANCE WITH GA-216 OR ASTM C840
6. PROVIDE ALUMINUM DIAMOND PLATE WAINSCOT TO 4'-0" AFF. AT ALL ELEVATOR LOBBIES AND WHERE DRYWALL IS EXPOSED TO THE CORRIDOR (REFER TO ENLARGED PLANS & FINISH SCHEDULE FOR LOCATION.
7. PROVIDE ALUMINUM DIAMOND PLATE WAINSCOT TO 8'-0" AFF AT ALL LOCATIONS WHERE DRYWALL IS LOCATED INSIDE A STORAGE UNIT (REFER TO ENLARGED PLANS & FINISH SCHEDULE FOR LOCATION.

12 A9.0 **GENERAL NOTES**

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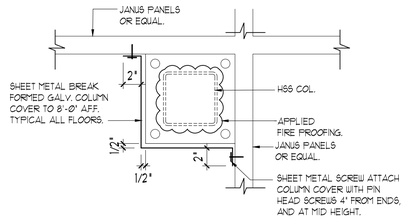

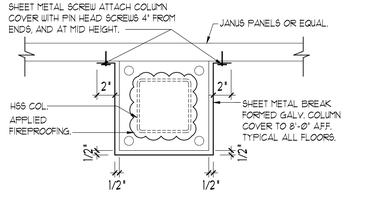

10 A9.0 **COLUMN/PIPE WRAP DETAIL**

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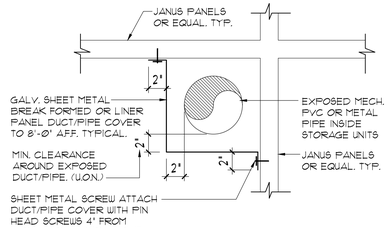

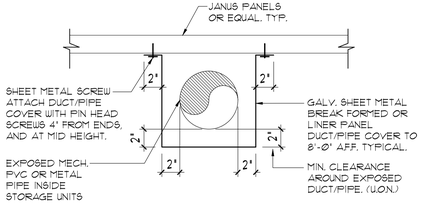

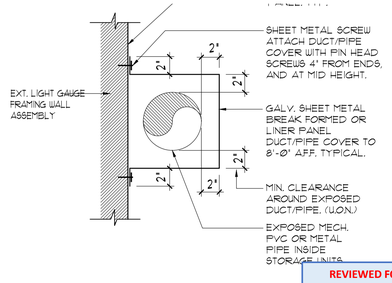

11 A9.0 **TYPICAL STORAGE UNIT EXPOSED PIPE PROTECTION DETAILS**

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GLEN RIDGE SELF-STORAGE
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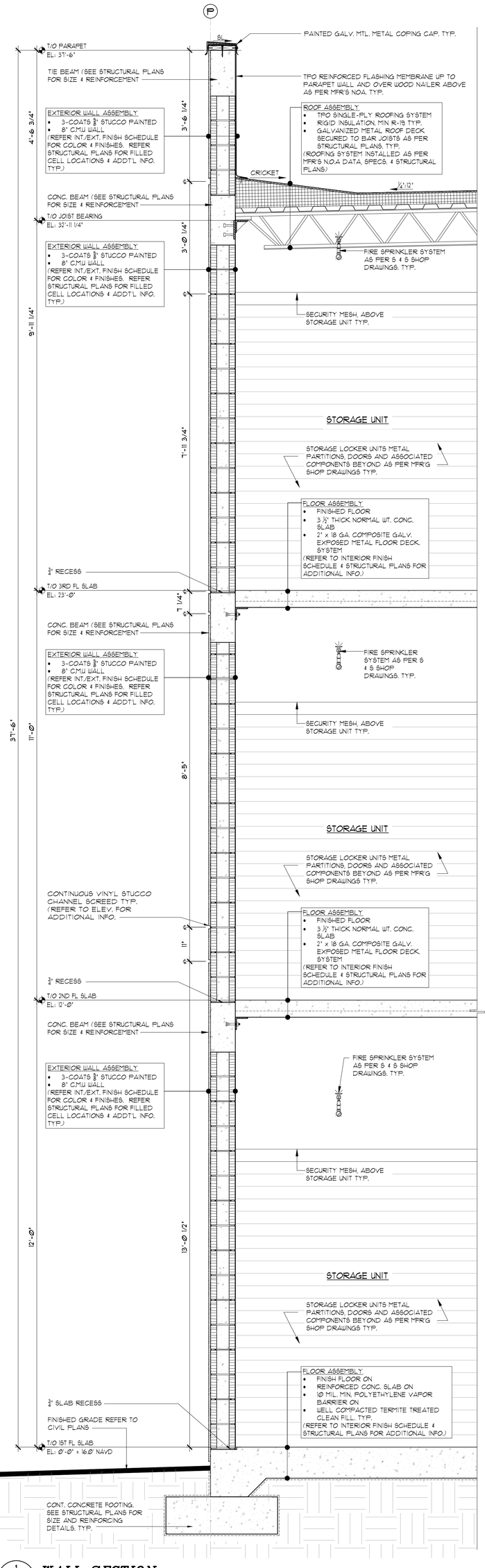
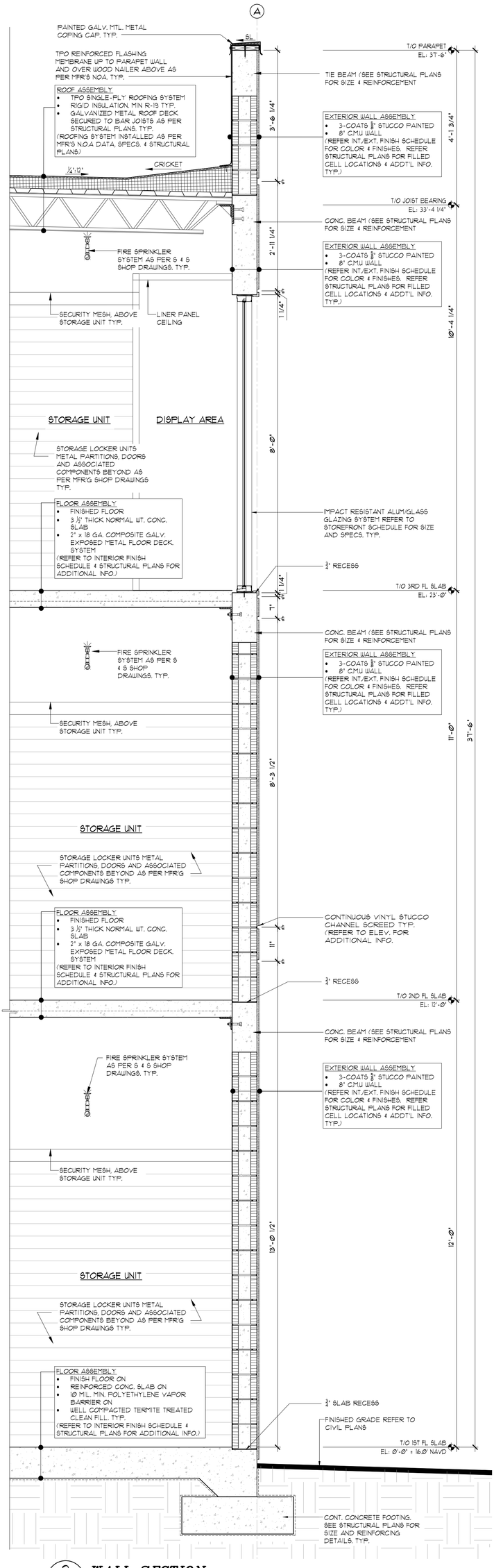


1 A10.0 **WALL SECTION**
3/4" = 1'-Ø"



2 A10.0 **WALL SECTION**
3/4" = 1'-Ø"

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TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PE# 36917

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GLEN RIDGE SELF-STORAGE
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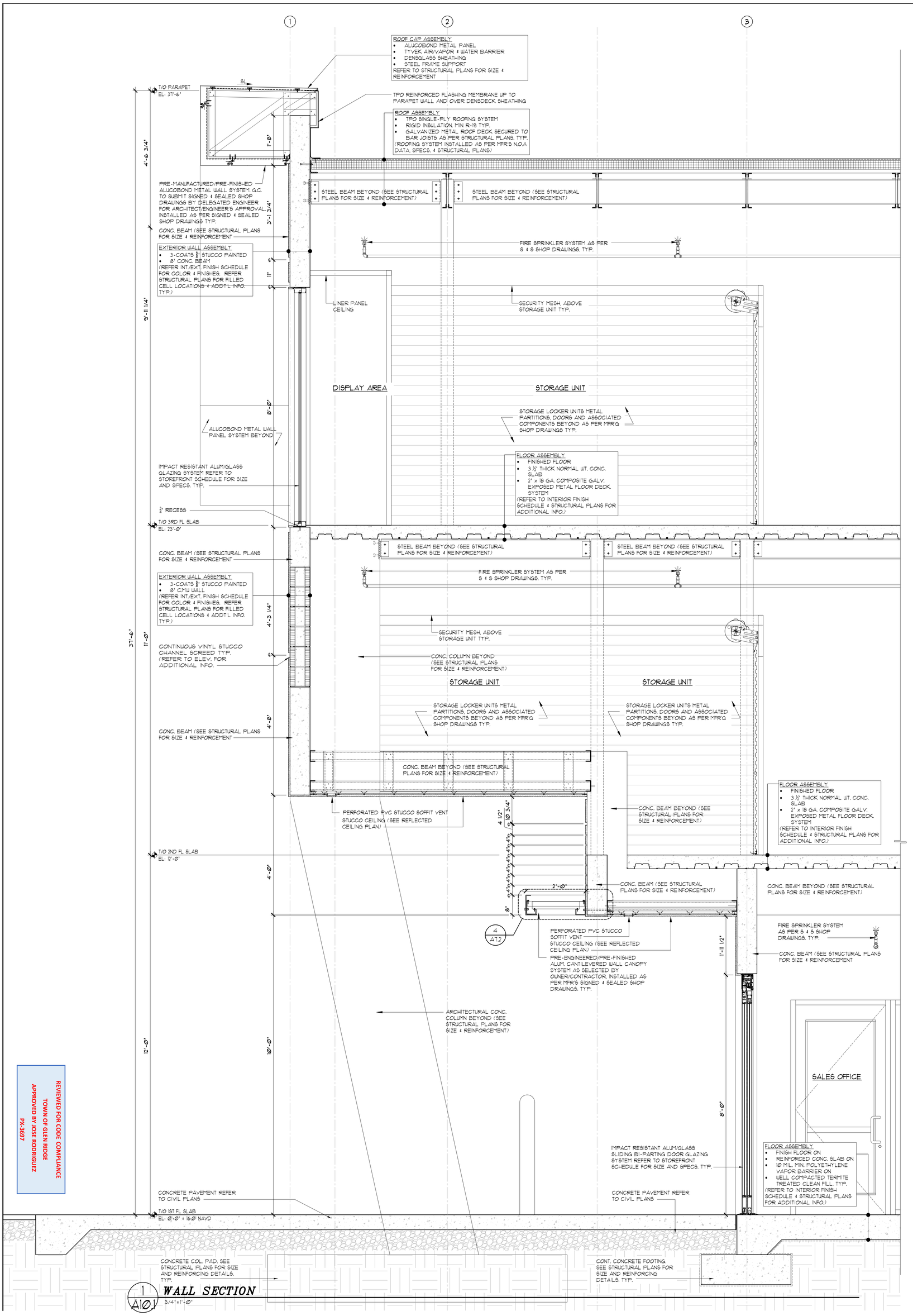

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TOWN OF GLEN RIDGE
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PW-3697

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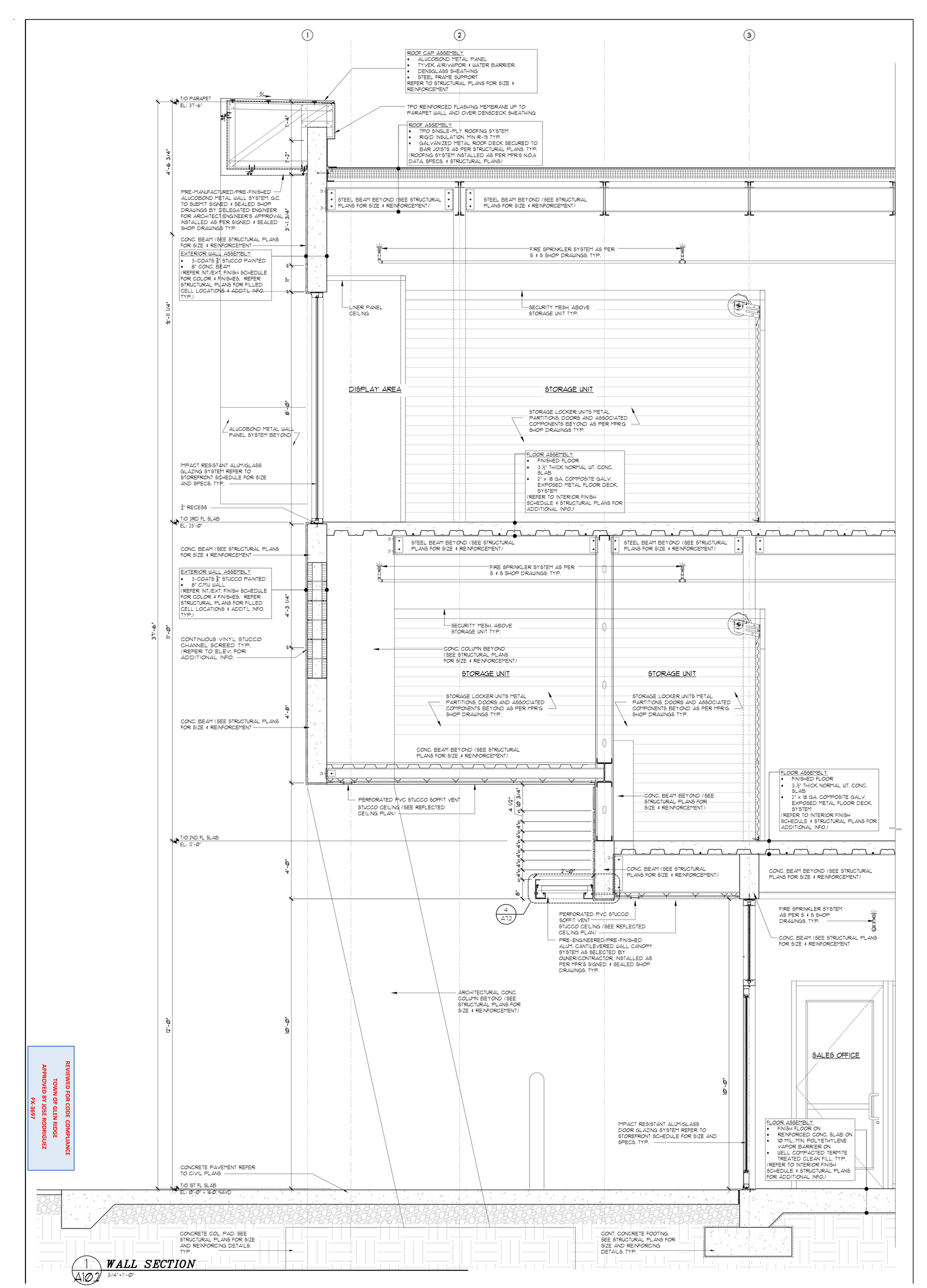
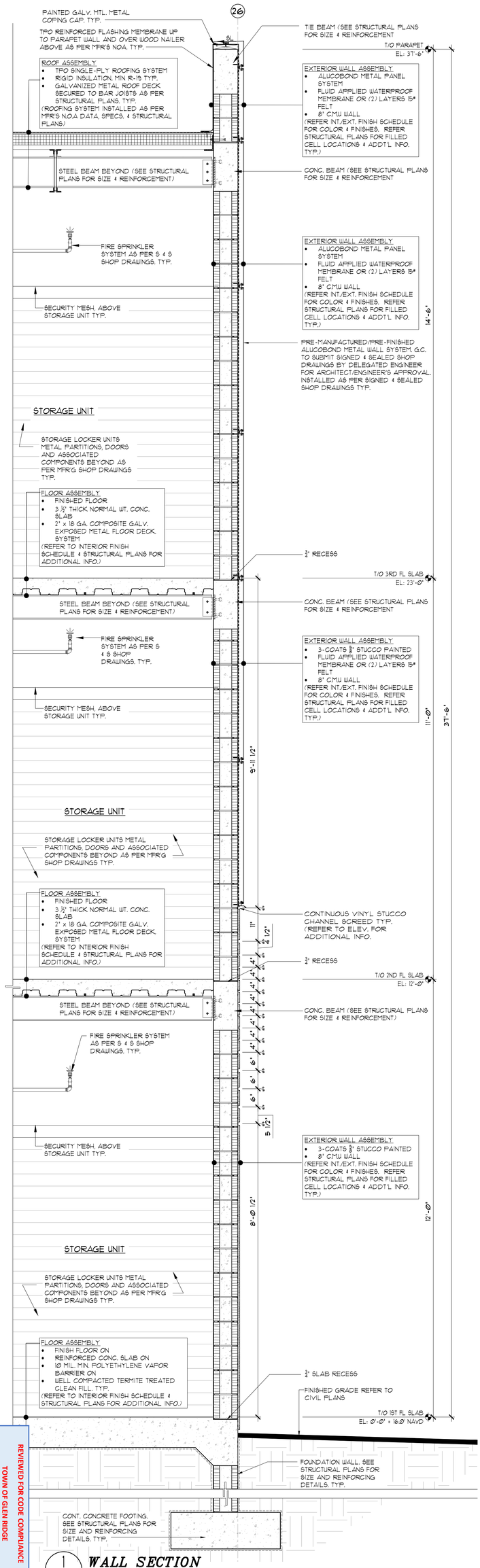
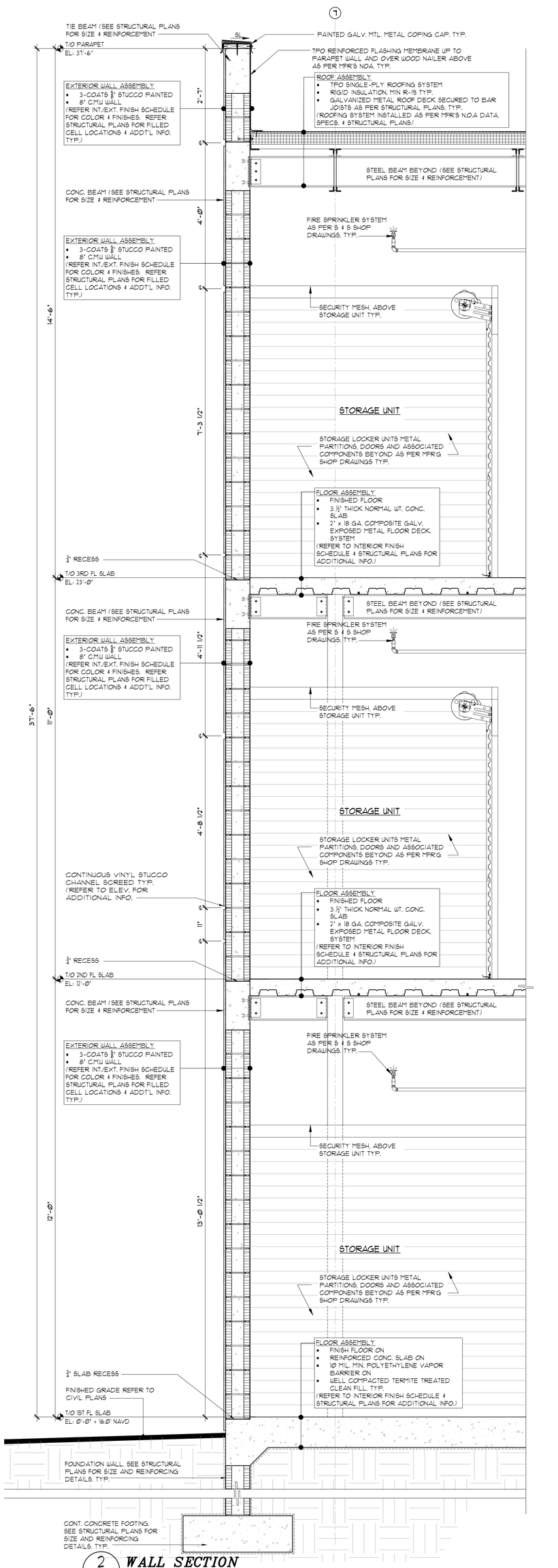

1
2
3
ROOF CAP ASSEMBLY
• ALUCOBOND METAL PANEL
• TYVEK AIR/VAPOR & WATER BARRIER
• DENSGLASS SHEATHING
• STEEL FRAME SUPPORT
REFER TO STRUCTURAL PLANS FOR SIZE & REINFORCEMENT
TPO REINFORCED FLASHING MEMBRANE UP TO PARAPET WALL AND OVER DENSDECK SHEATHING
ROOF ASSEMBLY
• TPO SINGLE-PLY ROOFING SYSTEM
• RIGID INSULATION, MIN R-19 TYP.
• GALVANIZED METAL ROOF DECK, SECURED TO BAR JOISTS AS PER STRUCTURAL PLANS, TYP.
(ROOFING SYSTEM INSTALLED AS PER MFR'S NOA DATA, SPECS, & STRUCTURAL PLANS)
T/O PARAPET EL. 37'-6"
PRE-MANUFACTURED/PRE-FINISHED ALUCOBOND METAL WALL SYSTEM, G.C. TO SUBMIT SIGNED & SEALED SHOP DRAWINGS BY DELEGATED ENGINEER FOR ARCHITECT/ENGINEER'S APPROVAL INSTALLED AS PER SIGNED & SEALED SHOP DRAWINGS TYP.
CONC. BEAM (SEE STRUCTURAL PLANS FOR SIZE & REINFORCEMENT
EXTERIOR WALL ASSEMBLY
• 3-COATS ⅞" STUCCO PAINTED
• 8" CONC. BEAM
(REFER INT./EXT. FINISH SCHEDULE FOR COLOR & FINISHES. REFER STRUCTURAL PLANS FOR FILLED CELL LOCATIONS & ADDT'L. INFO. TYP.)
STEEL BEAM BEYOND (SEE STRUCTURAL PLANS FOR SIZE & REINFORCEMENT)
FIRE SPRINKLER SYSTEM AS PER S & S SHOP DRAWINGS, TYP.
LINER PANEL CEILING
SECURITY MESH ABOVE STORAGE UNIT TYP.
DISPLAY AREA
STORAGE UNIT
STORAGE LOCKER UNITS METAL PARTITIONS, DOORS AND ASSOCIATED COMPONENTS BEYOND AS PER MFR'G SHOP DRAWINGS TYP.
ALUCOBOND METAL WALL PANEL SYSTEM BEYOND
FLOOR ASSEMBLY
• FINISHED FLOOR
• 3 ½" THICK NORMAL WT. CONC. SLAB
• 2" x 18 GA. COMPOSITE GALV. EXPOSED METAL FLOOR DECK. SYSTEM
(REFER TO INTERIOR FINISH SCHEDULE & STRUCTURAL PLANS FOR ADDITIONAL INFO.)
IMPACT RESISTANT ALUM/GLASS GLAZING SYSTEM REFER TO STOREFRONT SCHEDULE FOR SIZE AND SPECS. TYP.
2" RECESS
T/O 3RD FL. SLAB EL. 23'-0"
CONTINUOUS VINYL STUCCO CHANNEL SCREED TYP. (REFER TO ELEV. FOR ADDITIONAL INFO.
CONC. COLUMN BEYOND (SEE STRUCTURAL PLANS FOR SIZE & REINFORCEMENT)
STORAGE UNIT
STORAGE UNIT
PERFORATED PVC STUCCO SOFFIT VENT
STUCCO CEILING (SEE REFLECTED CEILING PLAN)
CONC. BEAM BEYOND (SEE STRUCTURAL PLANS FOR SIZE & REINFORCEMENT)
T/O 2ND FL. SLAB EL. 12'-0"
CONC. BEAM (SEE STRUCTURAL PLANS FOR SIZE & REINFORCEMENT)
CONC. BEAM BEYOND (SEE STRUCTURAL PLANS FOR SIZE & REINFORCEMENT)
FIRE SPRINKLER SYSTEM AS PER S & S SHOP DRAWINGS, TYP.
PRE-ENGINEERED/PRE-FINISHED ALUM. CANTILEVERED WALL CANOPY SYSTEM AS SELECTED BY OWNER/CONTRACTOR, INSTALLED AS PER MFR'S SIGNED & SEALED SHOP DRAWINGS, TYP.
ARCHITECTURAL CONC. COLUMN BEYOND (SEE STRUCTURAL PLANS FOR SIZE & REINFORCEMENT)
SALES OFFICE
IMPACT RESISTANT ALUM/GLASS DOOR GLAZING SYSTEM REFER TO STOREFRONT SCHEDULE FOR SIZE AND SPECS. TYP.
FLOOR ASSEMBLY
• FINISH FLOOR ON
• REINFORCED CONC. SLAB ON
• 10 MIL. MIN. POLYETHYLENE VAPOR BARRIER ON
• WELL COMPACTED TERMITE TREATED CLEAN FILL. TYP.
(REFER TO INTERIOR FINISH SCHEDULE & STRUCTURAL PLANS FOR ADDITIONAL INFO.)
CONCRETE PAVEMENT REFER TO CIVIL PLANS
T/O 1ST FL. SLAB EL. 0'-0" = 16.0' NAVD
CONCRETE COL. PAD. SEE STRUCTURAL PLANS FOR SIZE AND REINFORCING DETAILS. TYP.
CONT. CONCRETE FOOTING. SEE STRUCTURAL PLANS FOR SIZE AND REINFORCING DETAILS, TYP.
37'-6"
11'-0"
4'-6 3/4"
9'-11 1/4"
3'-1 3/4"
11"
8'-0"
4'-3 1/4"
4'-8"
4'-0"
12'-0"
10'-0"
21'-0"
8'
4 1/2"
10 @ 3/4"
4 @ 4½"
4 @ 4½"
4 @ 4½



1 A10.3 **WALL SECTION** 3/4"=1'-0"



2 A10.3 **WALL SECTION** 3/4"=1'-0"

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PAGE A10.3 OF

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Revisions:

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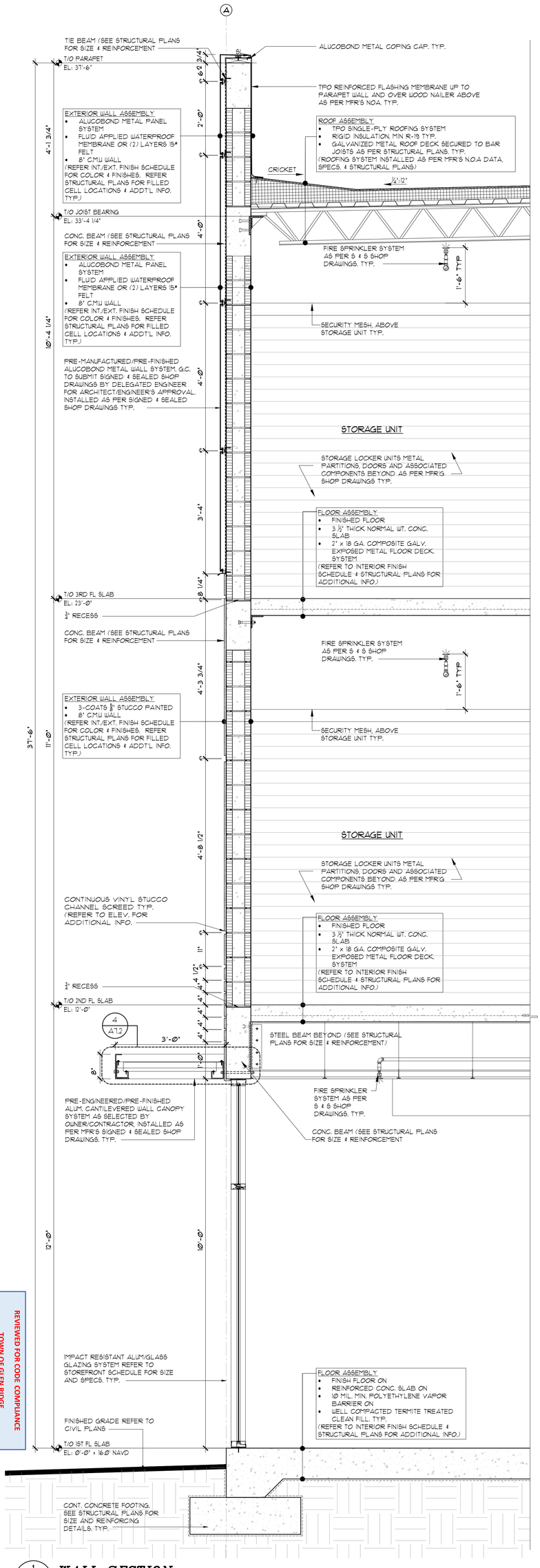
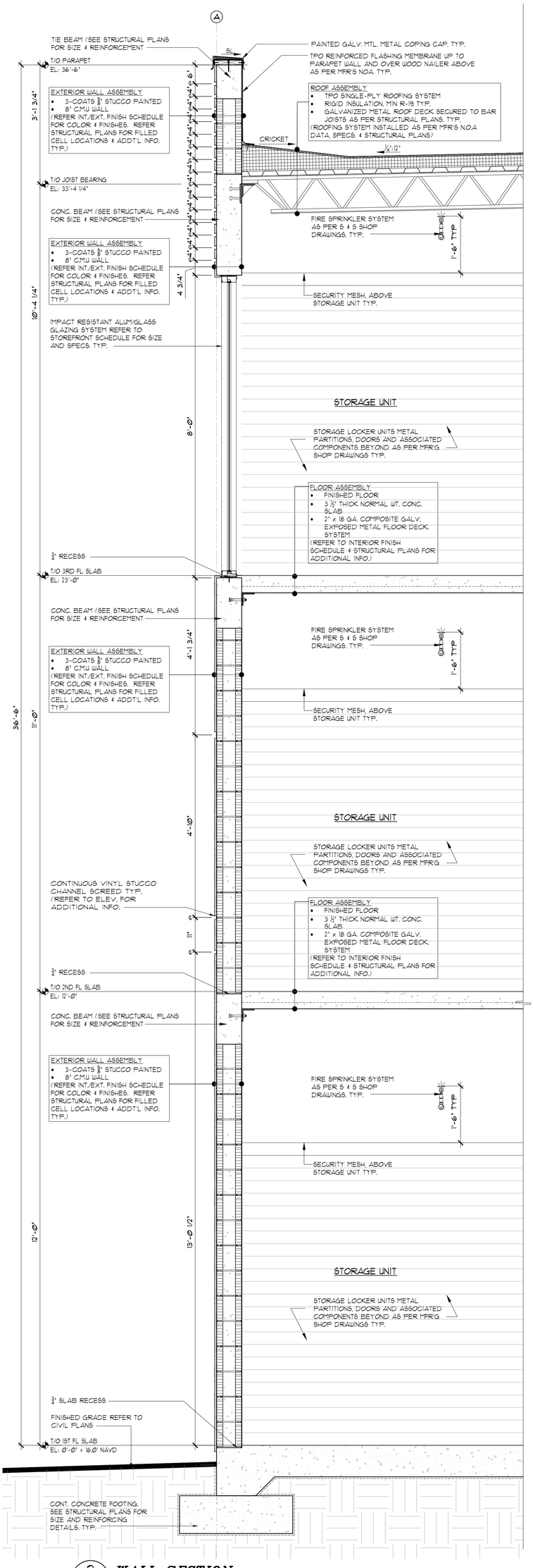
GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA



1 A10.4 **WALL SECTION**
3/4"=1'-Ø"



2 A10.4 **WALL SECTION**
3/4"=1'-Ø"

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PX-3697

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CONSTRUCTION DOCUMENTS

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PROJECT #: 23053
CAD DWG FILE: A10.4

Revisions:
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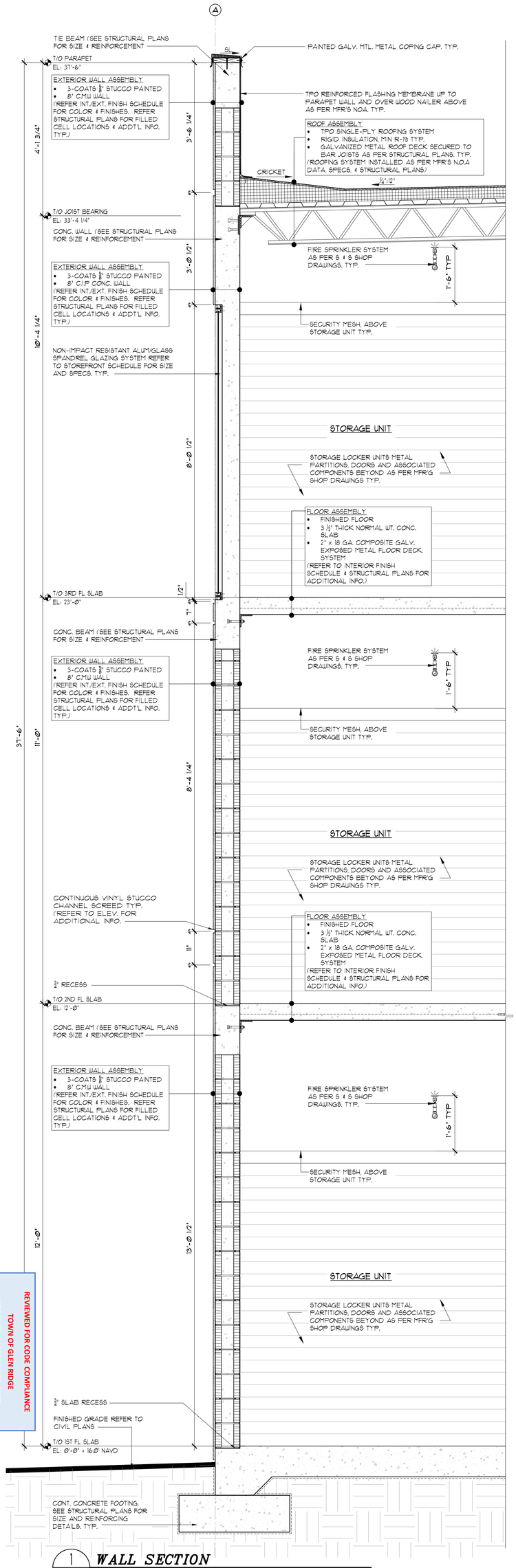
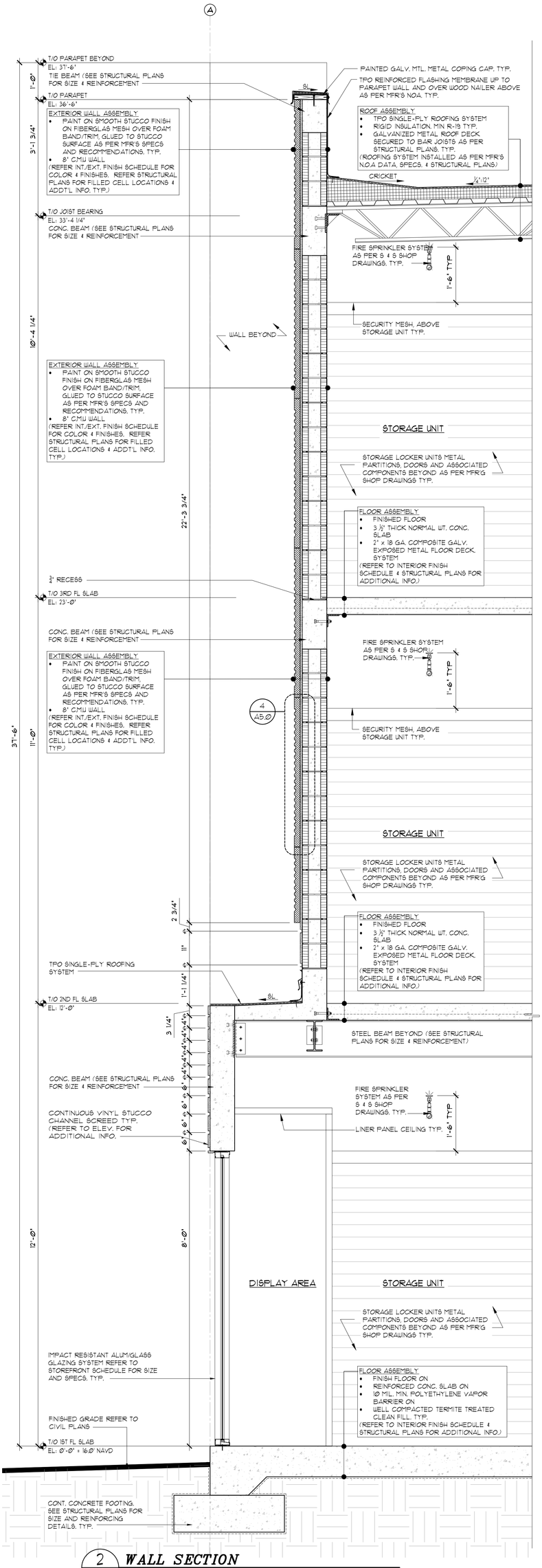


1 A10.5 **WALL SECTION** 3/4"=1'-Ø"



2 A10.5 **WALL SECTION** 3/4"=1'-Ø"

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ARCH-94

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GLEN RIDGE SELF-STORAGE
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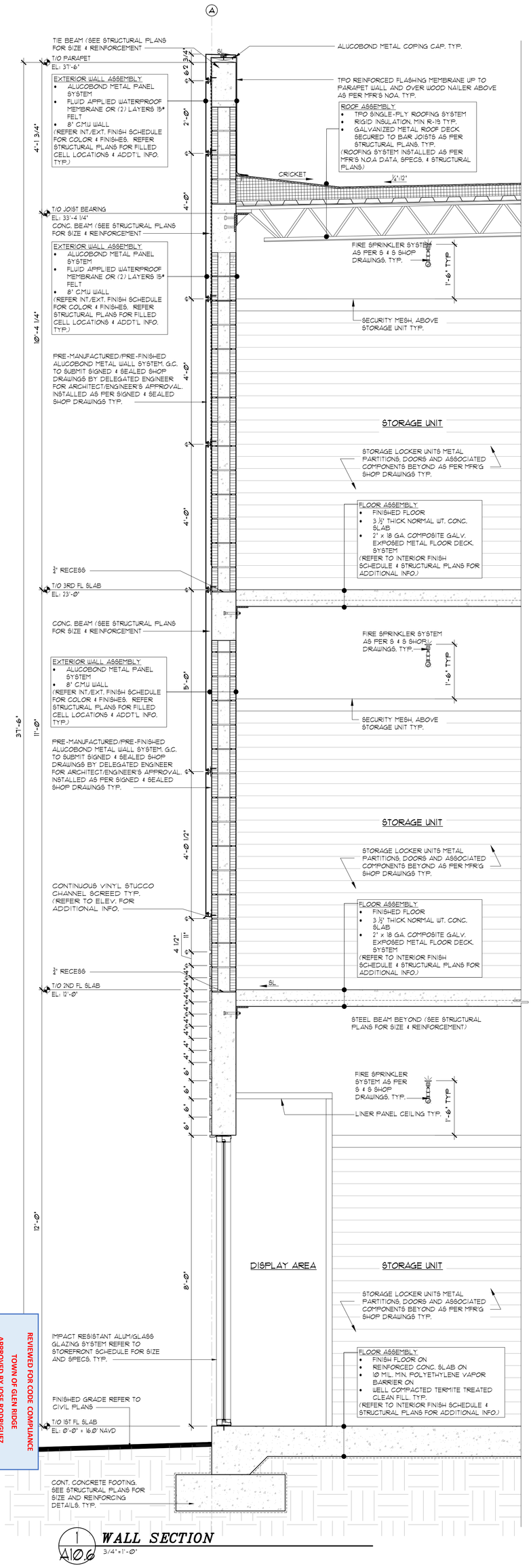

1 A106 **WALL SECTION**
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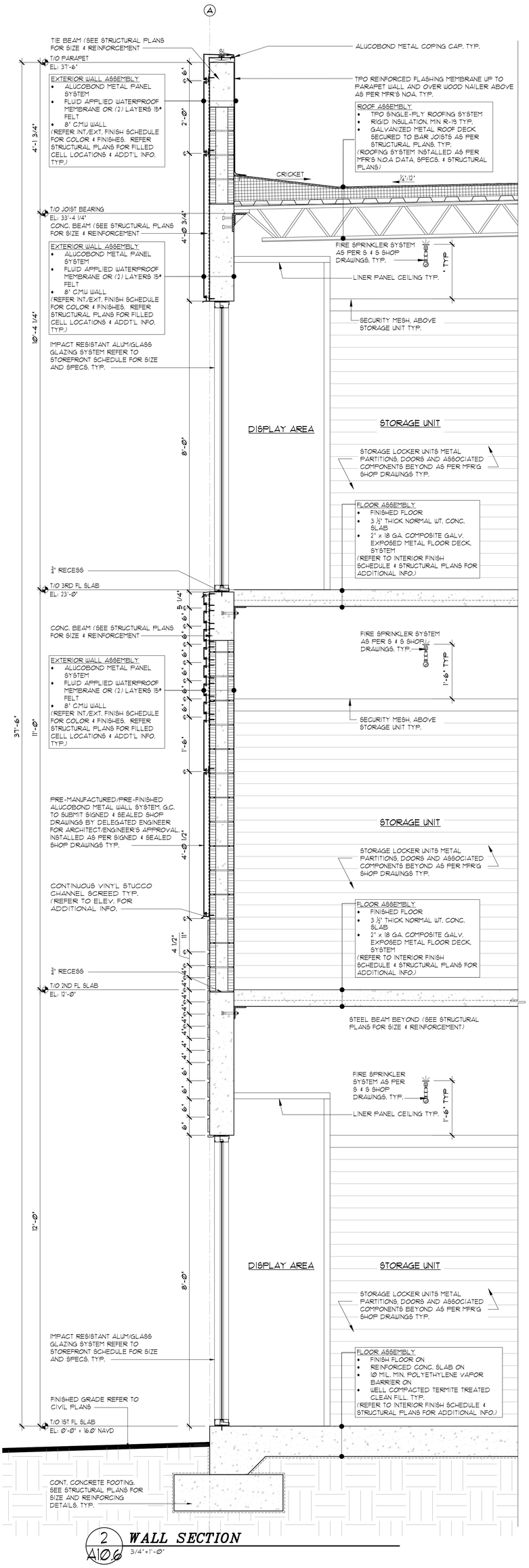

2 A106 **WALL SECTION**
3/4"=1'-0"

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STATE OF FLORIDA

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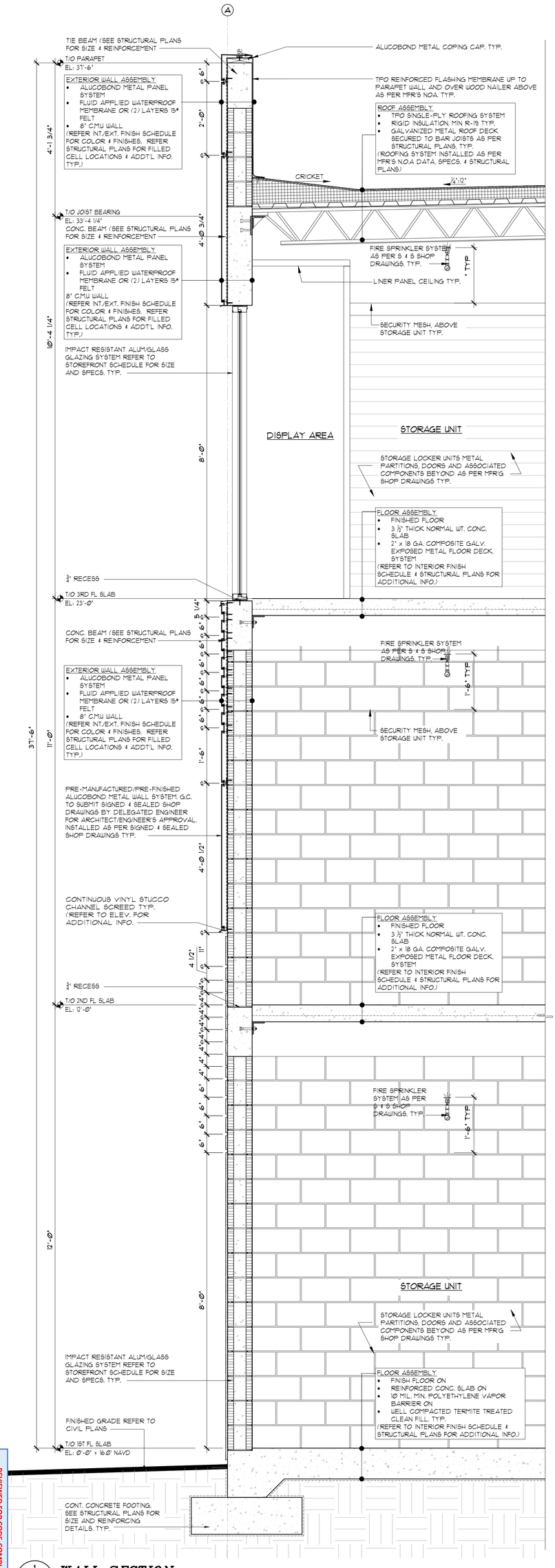
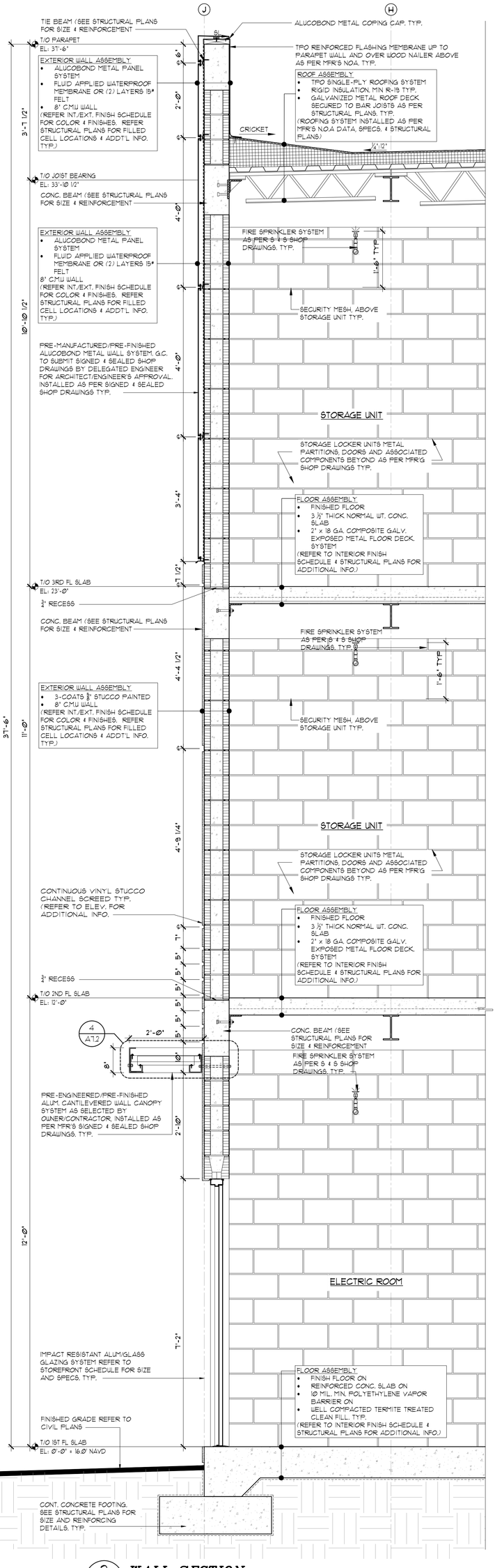


1 A10.1 **WALL SECTION**
3/4"=1'-0"



2 A10.1 **WALL SECTION**
3/4"=1'-0"

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SHEET A10.1 OF
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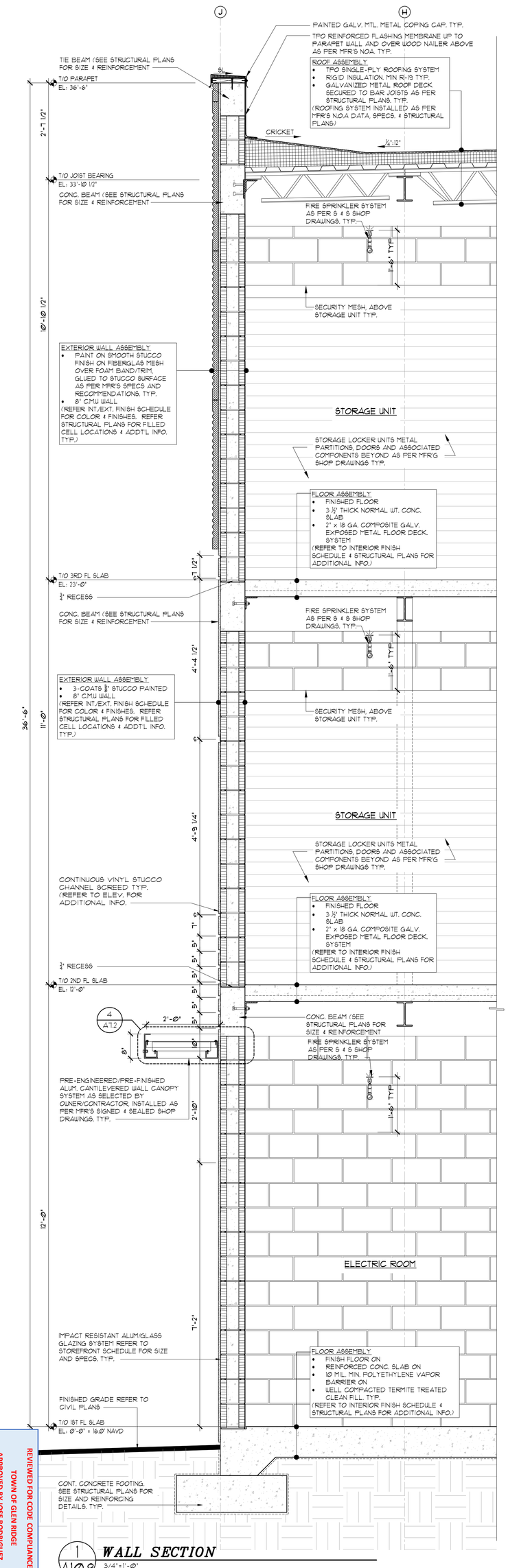
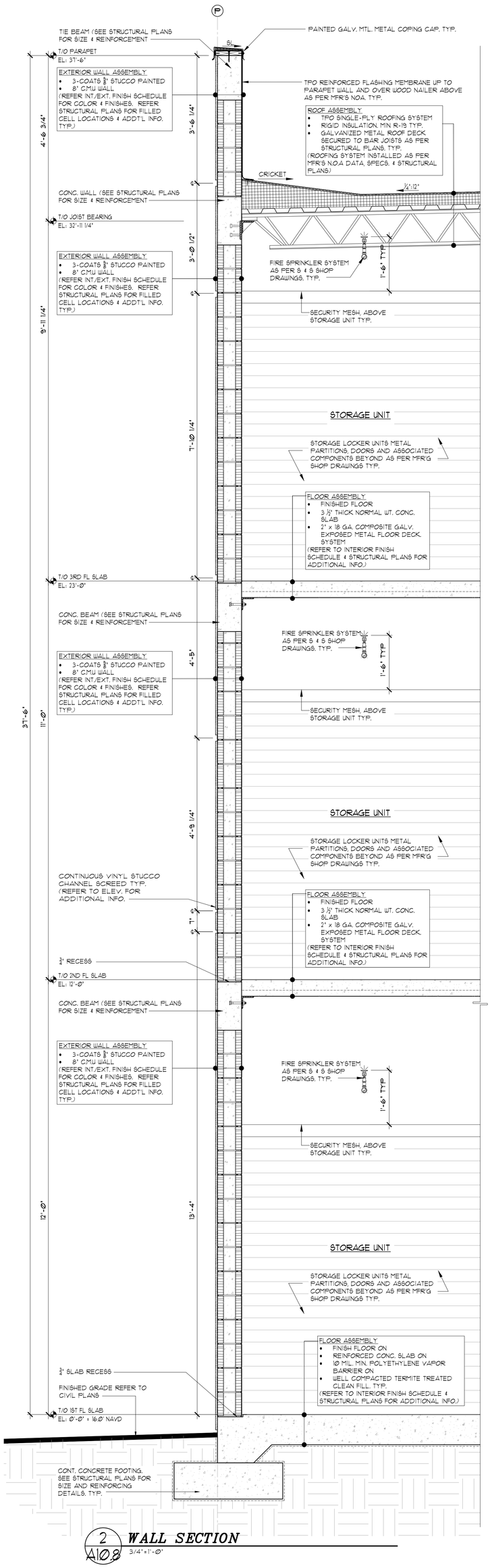


1 A10.8 **WALL SECTION** 3/4"=1'-Ø"



2 A10.8 **WALL SECTION** 3/4"=1'-Ø"

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PAGE 9 OF SHEET A10.8

KENNETH R. CARLSON

CONSTRUCTION DOCUMENTS 10/16/2023

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GLEN RIDGE SELF-STORAGE
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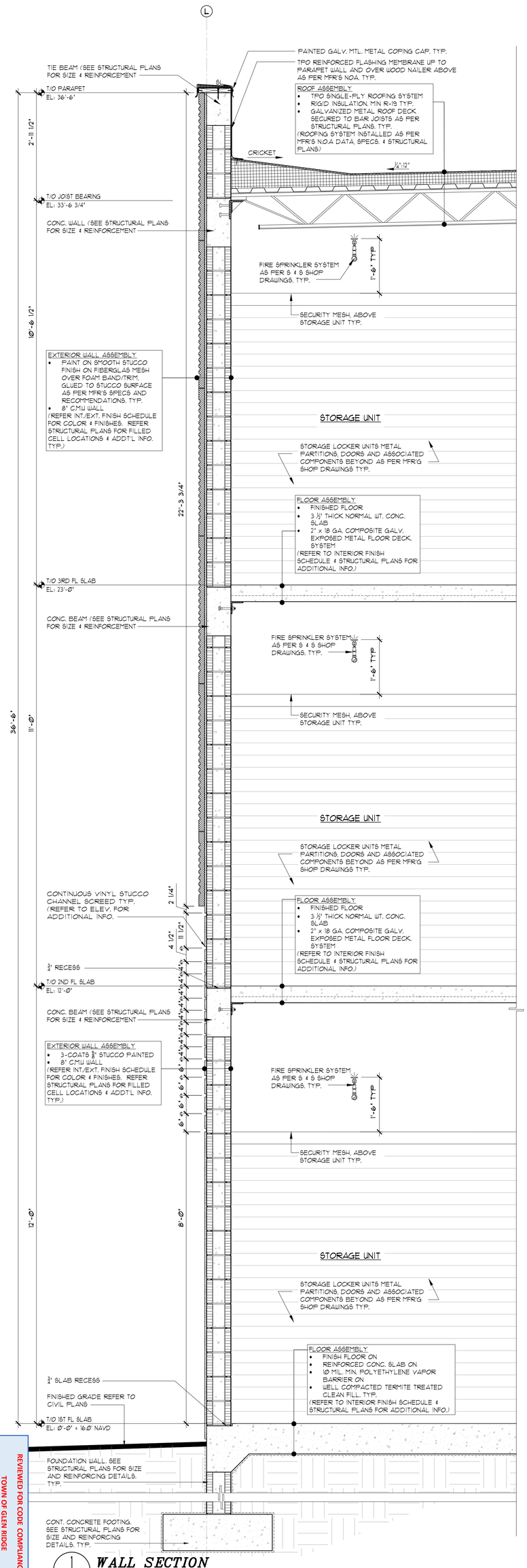
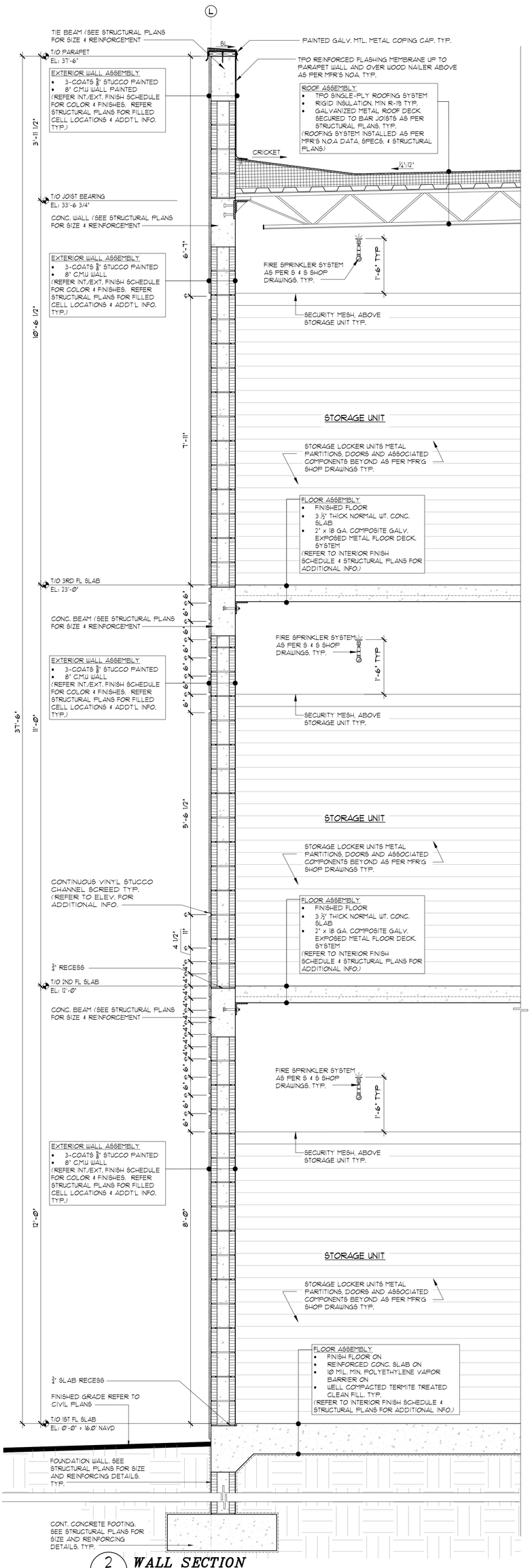


1 A10.9 **WALL SECTION** 3/4"=1'-Ø"



2 A10.9 **WALL SECTION** 3/4"=1'-Ø"

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KENNETH R. CARLSON
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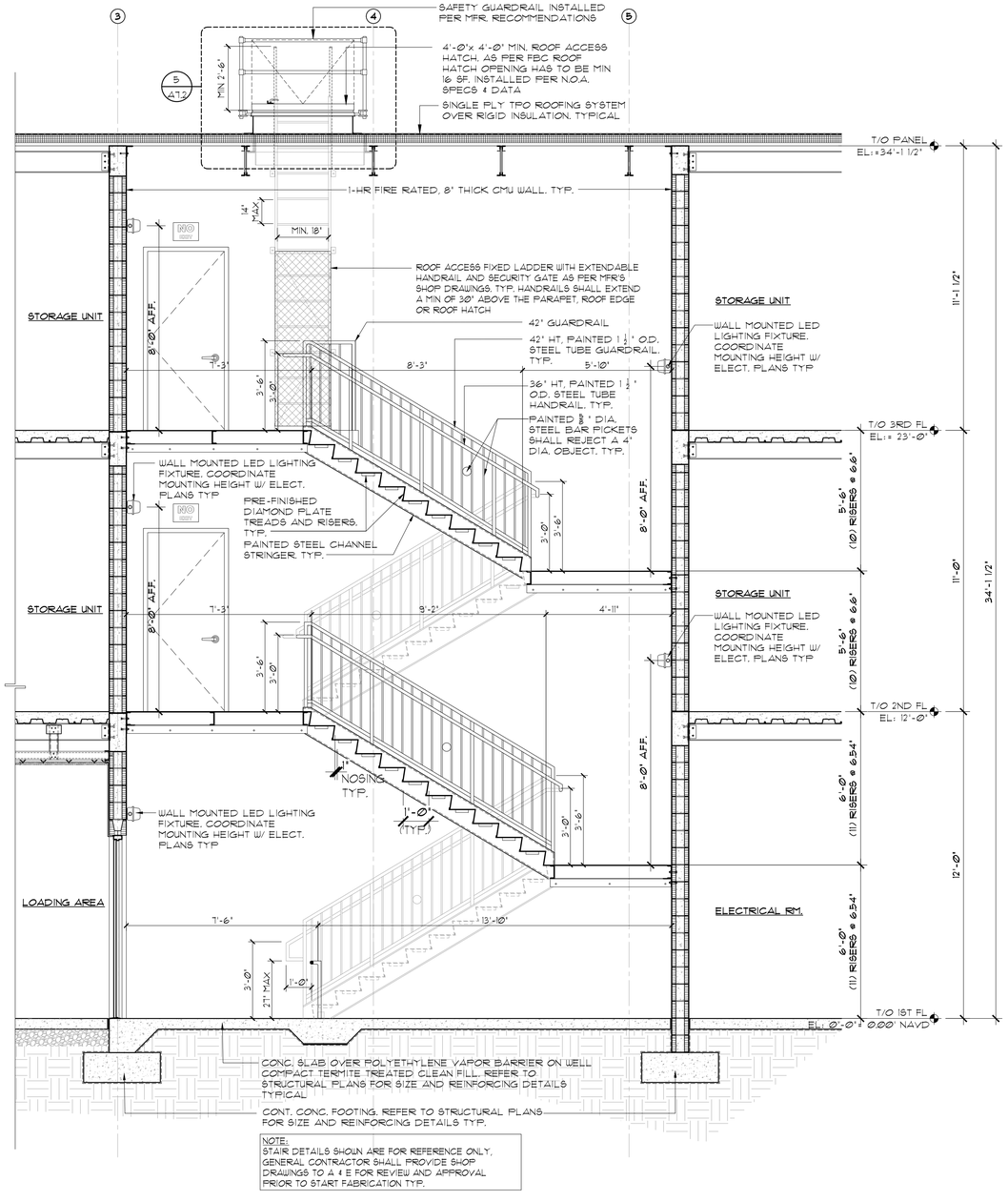
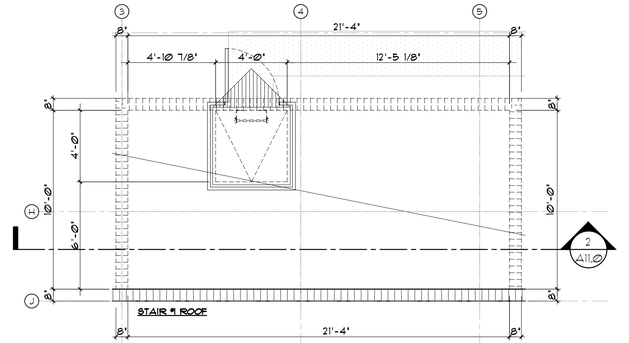
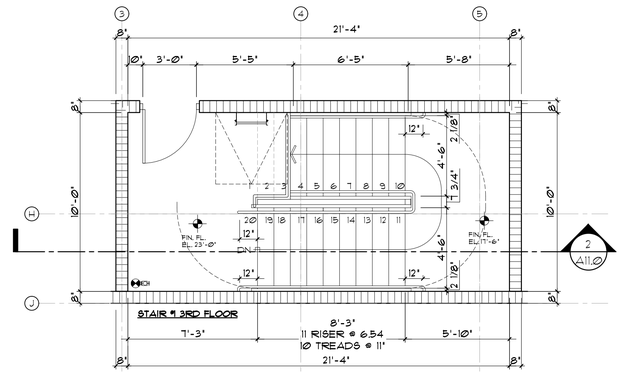
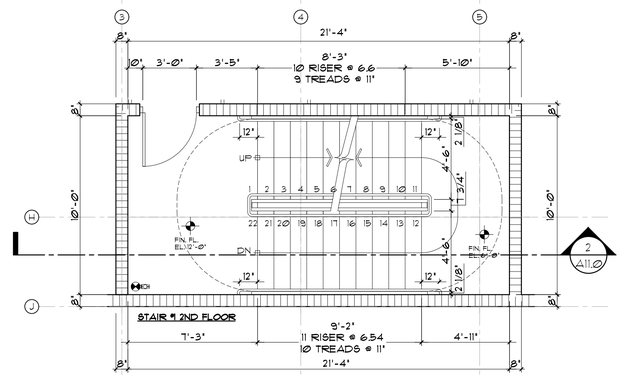


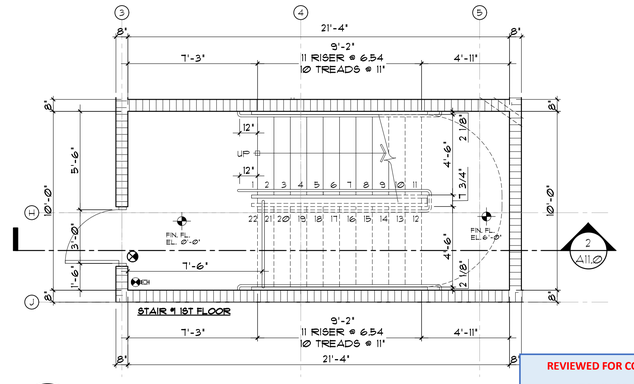
NOTE:
STAIR DETAILS SHOWN ARE FOR REFERENCE ONLY. GENERAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO A + E FOR REVIEW AND APPROVAL PRIOR TO START FABRICATION TYP.

2 / A11.0 **STAIR #1 SECTION**
3/8" = 1'-0"









1 / A11.0 **STAIR #1 FLOOR PLANS**
1/4" = 1'-0"

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CONSTRUCTION DOCUMENTS

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AR12546

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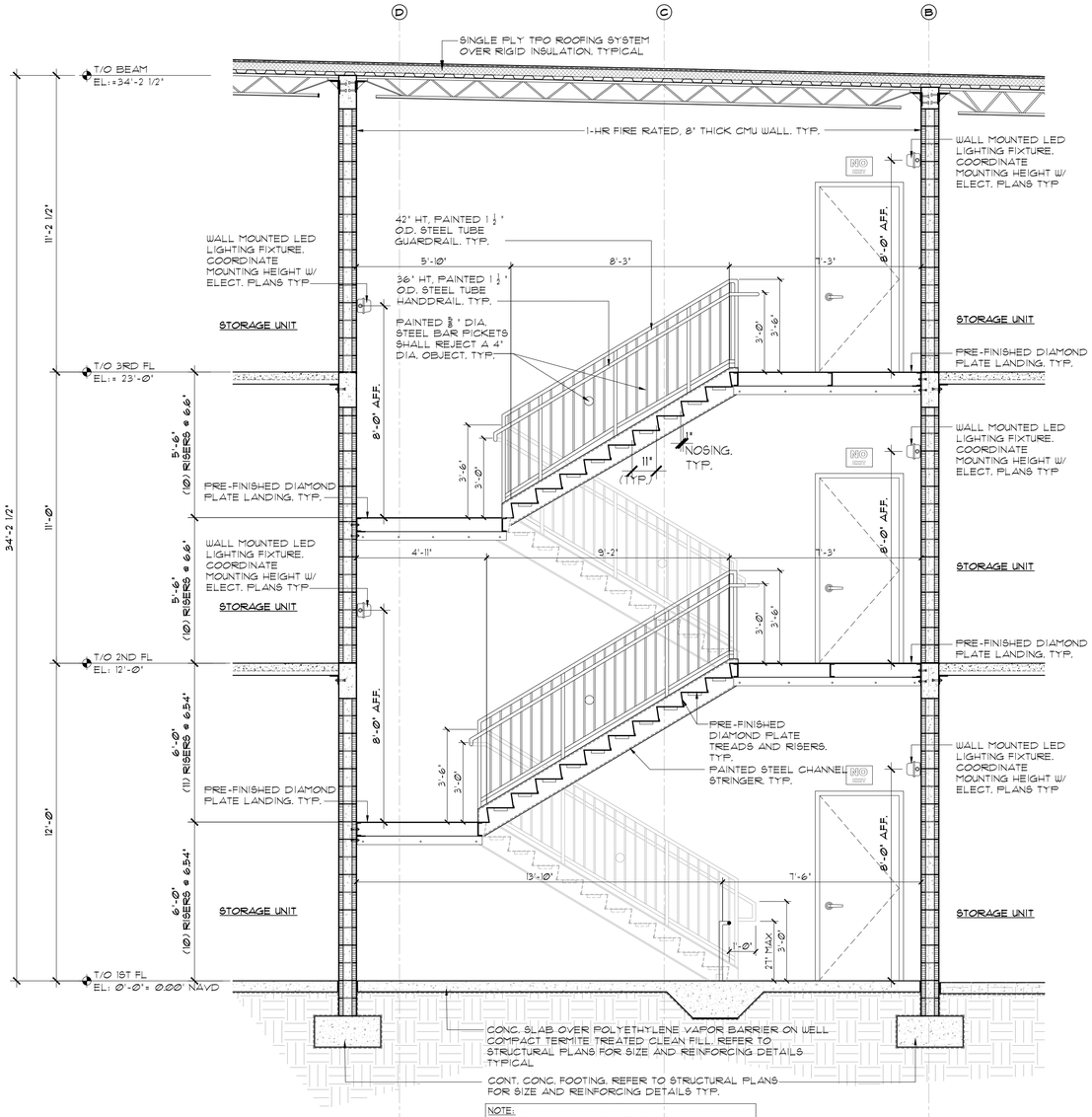
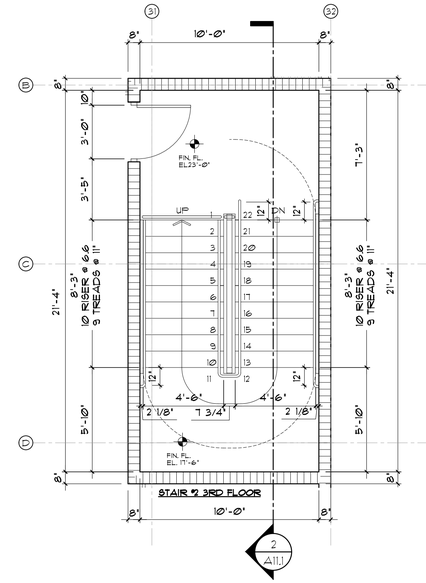
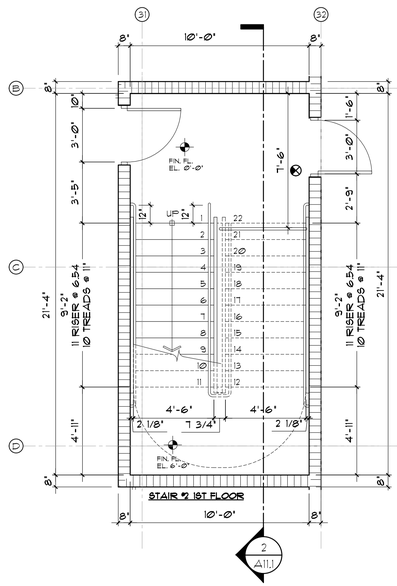
A11.0
PAGE OF

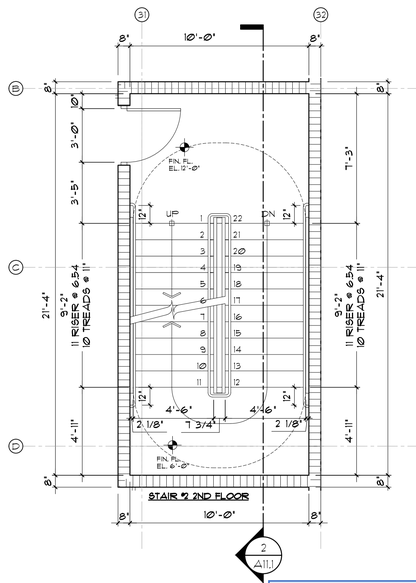


NOTE:
STAIR DETAILS SHOWN ARE FOR REFERENCE ONLY. GENERAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO A & E FOR REVIEW AND APPROVAL PRIOR TO START FABRICATION TYP.

2 / A11.1 **STAIR #1 SECTION**
3/8" = 1'-0"







1 / A11.1 **STAIR #2 FLOOR PLANS**
1/4" = 1'-0"

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CONSTRUCTION DOCUMENTS

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AR12546

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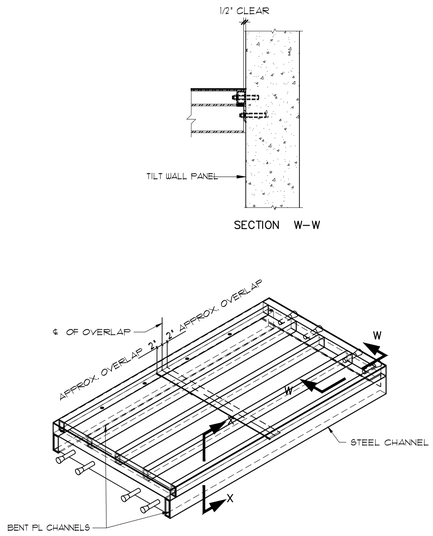
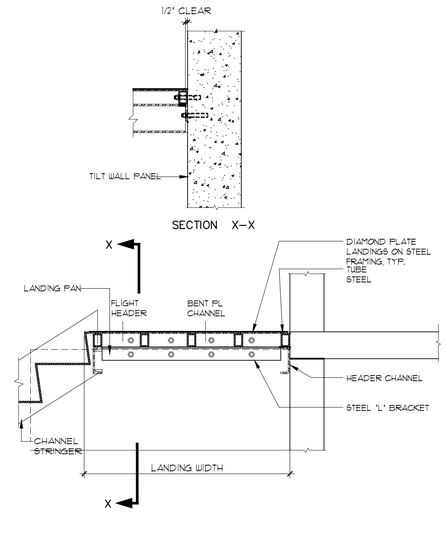
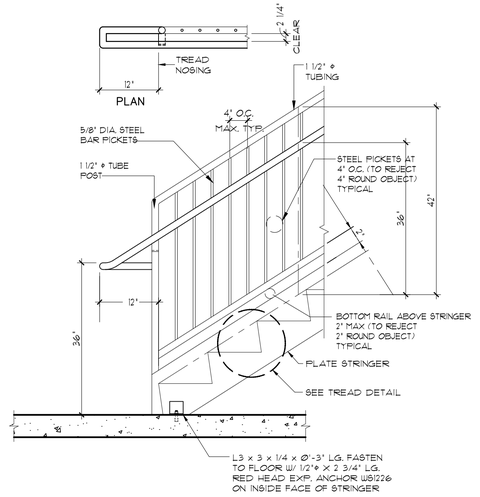


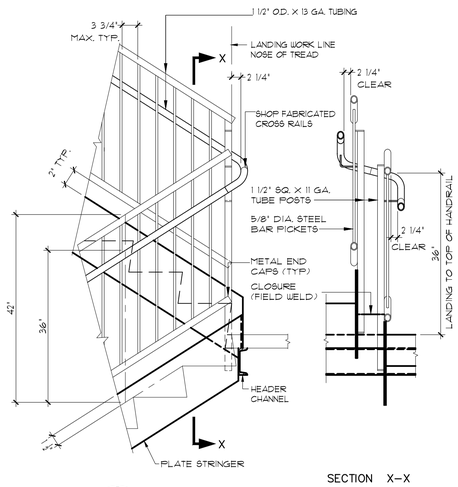
1 A11.2 **LANDING DETAIL**
NTS



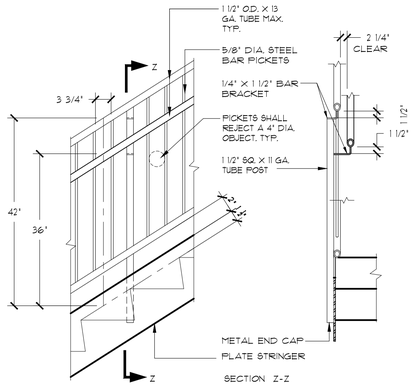
2 A11.2 **LANDING DETAIL**
NTS



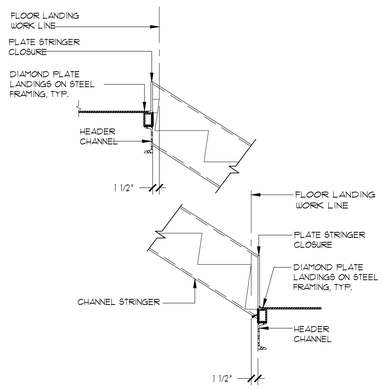
3 A11.2 **STAIR STARTER DETAIL**
NTS



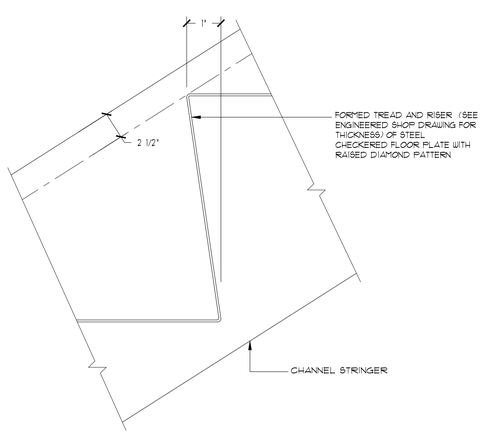
4 A11.2 **STAIR LANDING RAIL DETAIL**
NTS



5 A11.2 **INTERMEDIATE STAIR DETAIL**
NTS



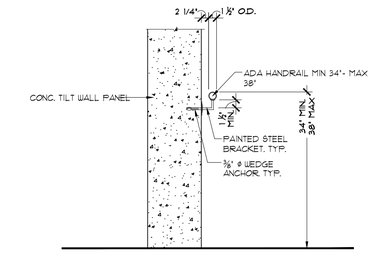
6 A11.2 **DETAIL AT LANDING**
NTS



7 A11.2 **TREAD & RISER DETAIL**
NTS

NOTE:

1. STAIR DETAILS SHOWN ARE FOR REFERENCE ONLY, GENERAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO A & E FOR REVIEW AND APPROVAL PRIOR TO START FABRICATION. TYP.
2. CONTRACTOR TO PROVIDE 2-HRS FIRE RATED SEALANT (CAULK) ON BOTH SIDES (INSIDE AND OUT) OF ALL PANEL JOINTS AT STAIR ENCLOSURES AND ELEVATOR SHAFT PER UL DESIGN NO. WJ-S-0002
3. ALL METAL GUARD RAILINGS, STAIR RAILINGS AND OTHER SIMILAR SAFEGUARDS SHALL BE DESIGNED TO RESIST A LOAD OF 50 POUNDS PER LINEAL FOOT OR A CONCENTRATED LOAD OF 200 POUNDS APPLIED IN ANY DIRECTION AT THE TOP OF SUCH BARRIERS AT ANY LOCATION ON THE SAFEGUARD, WHICHEVER CONDITION PROVIDES THE MAXIMUM STRESSES.
4. CONTRACTOR TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS AND CALCS FOR ENGINEER AND ARCHITECTS APPROVAL AND BUILDING DEPARTMENT SUBMITTAL, BY SPECIALTY ENGINEER.



8 A11.2 **HANDRAIL WALL BRACKET ATTACHMENT**
NTS

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CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

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A11.2
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DOOR SCHEDULE - EXTERIOR/INTERIOR DOOR

NOTE: WIND LOADS SHOWN ARE (ULT.) WIND PRESSURES

GROUND FLOOR

DOOR CONSTRUCTION										DOOR FRAME		THRESH.	HDWR. GROUP	REMARKS	WIND LOADS		HURRICANE PANEL	IMPACT RATED/ GLASS FRAME
NO.	W.	HT.	TYPE	T.	CONST.	MATL.	FINISH	FROM	TO	MATL.	FINISH				POS.	NEG.	YES/NO	YES/NO
100A	144"	96"	A	1 3/4"	AL / GL	AL/GL	BLACK ANODIZED	EXTERIOR	ELEV. LOBBY	AL.	BLACK ANODIZED	AL	3	AUTO SLIDE BI-PARTING DOOR - TEMPERED WITH BREAKAWAY	59.0	64.7	NO	YES
100B	36'	84"	B	1 3/4"	AL / GL	AL/GL	BLACK ANODIZED	EXTERIOR	SALES OFFICE	AL.	BLACK ANODIZED	AL	1	-	67.1	88.4	NO	YES
100C	36'	84"	C	1 3/4"	HM/INSUL	MTL	E14	EXTERIOR	STAIR #2	MTL	E14	AL	6	-	67.1	72.8	NO	YES
100D	36'	84"	C	1 3/4"	HM/INSUL	MTL	E14	EXTERIOR	ELECTRIC RM	MTL	E14	AL	4	PANIC HARDWARE	67.1	72.8	NO	YES
100E	36'	84"	C	1 3/4"	HM/INSUL	MTL	E14	EXTERIOR	STAIR #2	MTL	E14	AL	6	-	67.1	88.4	NO	YES
102A	36'	84"	C	1 3/4"	HM	MTL	PT-5	STAIR #2	CORR *	STL.	PT-5	AL	5	1-HR FIRE RATED DOOR W/ SMOKE GASKET	NO	NO	NO	YES
103A	48'	84"	D	-	MTL.	MTL	BRUSHED STAINLESS STEEL	ELEVATOR	LOBBY	MTL	BRUSHED STAINLESS STEEL	MFR	MFR	CROSS VERIFY DOOR/ FRAME FINISH WITH OWNER	NO	NO	NO	YES
104A	48'	84"	D	-	MTL.	MTL	BRUSHED STAINLESS STEEL	ELEVATOR	LOBBY	MTL	BRUSHED STAINLESS STEEL	MFR	MFR	CROSS VERIFY DOOR/ FRAME FINISH WITH OWNER	NO	NO	NO	YES
105A	36'	84"	C	1 3/4"	HM	MTL	PT-5	ELEV. MACH	CORR *	MTL	PT-5	-	7	1-HR FIRE RATED DOOR W/ SMOKE GASKET;NO KICKPLATE	NO	NO	NO	NO
107A	36'	84"	C	1 3/4"	AL / GL	AL/GL	BLACK ANODIZED	SALES OFFICE	CORR *	AL.	BLACK ANODIZED	AL	2	-	NO	NO	NO	NO
108A	36'	84"	C	1 3/4"	HM	MTL	PT-5	BREAK RM	SALES OFFICE	MTL	PT-5	-	9	-	NO	NO	NO	NO
109A	36'	84"	C	1 3/4"	HM	MTL	PT-5	TOILET RM	SALES OFFICE	MTL	PT-5	MBL	8	-	NO	NO	NO	NO
110A	36'	84"	C	1 3/4"	HM	MTL	PT-5	TOILET RM	CORR *	MTL	PT-5	MBL	8	-	NO	NO	NO	NO
111A	36'	84"	C	1 3/4"	HM	MTL	PT-5	JANITOR	CORR *	MTL	PT-5	-	7	-	NO	NO	NO	NO
111B	24'	84"	C	1 3/4"	HM	MTL	PT-5	JANITOR	CORR *	MTL	PT-5	-	7	NO KICKPLATE	NO	NO	NO	NO
114A	36'	80"	E	-	-	-	-	DISPLAY	CORRIDOR	-	-	-	10	DISPLAY DOORS	NO	NO	NO	NO
###	-	-	F/G/H	-	-	-	-	STORAGE UNIT	-	-	-	-	10	STORAGE UNITS (SEE PLAN FOR A.D.A DOOR LOCATION)	NO	NO	NO	NO

SECOND FLOOR

201A	36'	84"	C	1 3/4"	HM	MTL	PT-5	STAIR #1	CORR *	STL.	PT-5	AL	5	1-HR FIRE RATED DOOR W/ SMOKE GASKET	NO	NO	NO	NO
202A	36'	84"	C	1 3/4"	HM	MTL	PT-5	STAIR #2	CORR *	STL.	PT-5	AL	5	1-HR FIRE RATED DOOR W/ SMOKE GASKET	NO	NO	NO	NO
203A	48'	84"	D	-	MTL.	MTL	BRUSHED STAINLESS STEEL	ELEVATOR	ELEV. LOBBY	STL.	BRUSHED STAINLESS STEEL	MFR	MFR	CROSS VERIFY DOOR/ FRAME FINISH WITH OWNER	NO	NO	NO	NO
204A	48'	84"	D	-	MTL.	MTL	BRUSHED STAINLESS STEEL	ELEVATOR	ELEV. LOBBY	STL.	BRUSHED STAINLESS STEEL	MFR	MFR	CROSS VERIFY DOOR/ FRAME FINISH WITH OWNER	NO	NO	NO	NO
206A	36'	84"	C	1 3/4"	HM	MTL	PT-5	TOILET RM	CORR *320	STL.	PT-5	MBL	8	-	NO	NO	NO	NO
207A	36'	84"	C	1 3/4"	HM	MTL	PT-5	TOILET RM	CORR *320	STL.	PT-5	MBL	8	-	NO	NO	NO	NO
###	-	-	F/G/H	-	-	-	-	STORAGE UNIT		-	-	-	10	STORAGE UNITS (SEE PLAN FOR A.D.A DOOR LOCATION)	NO	NO	NO	NO

THIRD FLOOR

301A	36'	84"	C	1 3/4"	HM	MTL	PT-5	STAIR #1	CORR *312	STL.	PT-5	AL	5	1-HR FIRE RATED DOOR W/ SMOKE GASKET	NO	NO	NO	NO
302A	36'	84"	C	1 3/4"	HM	MTL	PT-5	STAIR #2	CORR *322	STL.	PT-5	AL	5	1-HR FIRE RATED DOOR W/ SMOKE GASKET	NO	NO	NO	NO
303A	48'	84"	D	-	MTL.	MTL	BRUSHED STAINLESS STEEL	ELEVATOR	ELEV. LOBBY	STL.	BRUSHED STAINLESS STEEL	MFR	MFR	CROSS VERIFY DOOR/ FRAME FINISH WITH OWNER	NO	NO	NO	NO
304A	48'	84"	D	-	MTL.	MTL	BRUSHED STAINLESS STEEL	ELEVATOR	ELEV. LOBBY	STL.	BRUSHED STAINLESS STEEL	MFR	MFR	CROSS VERIFY DOOR/ FRAME FINISH WITH OWNER	NO	NO	NO	NO
306A	36'	80"	E	-	-	-	-	DISPLAY	CORRIDOR	-	-	-	10	DISPLAY DOORS	NO	NO	NO	NO
307A	36'	80"	E	-	-	-	-	DISPLAY	CORRIDOR	-	-	-	10	DISPLAY DOORS	NO	NO	NO	NO
308A	36'	80"	E	-	-	-	-	DISPLAY	CORRIDOR	-	-	-	10	DISPLAY DOORS	NO	NO	NO	NO
309A	36'	80"	E	-	-	-	-	DISPLAY	CORRIDOR	-	-	-	10	DISPLAY DOORS	NO	NO	NO	NO
###	-	-	F/G/H	-	-	-	-	STORAGE UNIT		-	-	-	10	STORAGE UNITS (SEE PLAN FOR A.D.A DOOR LOCATION)	NO	NO	NO	NO

STORAGE UNIT & DISPLAY DOORS

KEY SYSTEM:
SCHLAGE EVEREST 29. CONDUCT KEY MEETING WITH OWNER TO VERIFY ALL KEYWAYS AND KEY SYSTEM STRUCTURE PRIOR TO START CONSTRUCTION.

OWNERS CONTROL SYSTEM:
ACCESS CONTROL TO BE VERIFIED BY OWNER, INCLUDES CCTV, INTERCOM AND ACCESS CODE FOR BUILDING ENTRY AND ELEVATOR ACCESS. ELEVATOR ACCESS SHALL BE FLOOR SPECIFIC AND CAB RETURN TO GROUND FLOOR ONLY, WITH ELEVATOR AND SECURITY SYSTEM CONTRACTORS.

ALL DOOR'S LOCKSET SHALL BE ADA APPROVED LEVER TYPE HANDLE. TYPICAL

ABBREVIATIONS
AL - ALUMINUM
HM - HOLLOW METAL
WD - WOOD
GL - GLASS
SC - SOLID CORE
P/C - POWDER COAT
STL - STEEL
MTL - METAL
MFG'R - MANUFACTURER
MBL - MARBLE

GENERAL NOTES:

1. GLAZED ENTRY DOOR SYSTEM IS BASED ON "YKK - SERIES YH6 'ISH' IMPACT RATED OUT-SWING DOORS. NO ALTERNATES WILL BE ACCEPTED WITHOUT PRIOR ARCHITECT APPROVAL WITH FULL ENGINEERING BACKUP. CONTRACTOR SHALL PROVIDE FULL ENGINEERED SHOP DRAWINGS WITH ATTACHMENT DETAILS SIGNED & SEAL BY A REGISTERED FLORIDA ENGINEER FOR REVIEW AND APPROVAL PRIOR START OF WORK. ALL OPENINGS MUST BE FIELD VERIFIED AND MEASURED BY SELECTED GLAZING CONTRACTOR AND ACCEPTED BY CONTRACTOR PRIOR TO START OF SHOP FABRICATION OF GLAZING SYSTEM. THE ENTIRE SYSTEM IS TO BE WET SEALED WITH COLOR CO-ORDINATED SEALANT, FINGER WIPED AND CLEANED TO A WORKMAN AND INDUSTRY CLASS I STANDARD.
2. AUTOMATED SLIDING GLASS DOOR SYSTEM BY: STANLEY "DURA STORM 3000" SERIES WITH ALL COORDINATED SOFTWARE AND HARDWARE AND ACCESSORIES INCLUDING KEYPADS.
3. THRESHOLDS AT ALL DOORS THAT ARE PART OF THE REQUIRE MEANS OF EGRESS, OR ACCESSIBLE ROUTE, SHALL NOT EXCEED 1/2" ABOVE THE FINISH FLOOR OR LANDING. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES GREATER THAN 1/4" AT DOORWAYS SHALL BE BEVELED WITH A SLOPE NOT GRATER THAN 1:2 (50% SLOPE) TO COMPLY WITH SEC. 1010.1.7 OF THE 2010 FBC.-BUILDING.
4. ALL ACCESS DOORS ON FIRST FLOOR SHALL BE ACCESSIBLE WITH FIREMAN ACCESS KEY IN KNOX BOX ON FIRST FLOOR. GENERAL CONTRACTOR TO PROVIDE MINIMUM 2 LARGE BOU KEYS IN KNOX BOX. SEE PLAN FOR LOCATIONS.
5. REFER TO STRUCTURAL DRAWINGS FOR WIND LOAD PRESSURES, TYPICAL
6. GENERAL CONTRACTOR SHALL COORDINATE WITH "STANLEY" FOR SYSTEM REQUIREMENTS, OPERATION AND DESIGN INTENT AS WELL AS WITH OWNER AND ELECTRICAL CONTRACTOR. ADDITIONAL INFORMATION MAY BE OBTAINED FROM "STANLEY ACCESS TECHNOLOGIES".
7. PER SEC. 1010.1.3 OF THE 2010 F.B.C.-BUILDING, THE FORCE FOR PUSHING OR PULLING OPEN INTERIOR SWINGING EGRESS DOORS, OTHER THAN FIRE DOORS, SHALL NOT EXCEED 5 POUNDS (22 N). THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION. FOR OTHER SWINGING DOORS, AS WELL AS SLIDING AND FOLDING DOORS, THE DOOR LATCH SHALL RELEASE WHEN SUBJECTED TO A 15-POUND (67 N) FORCE. THE DOOR SHALL BE SET IN MOTION WHEN SUBJECTED TO A 30-POUND (133 N) FORCE. THE DOOR SHALL SWING TO A FULL-OPEN POSITION WHEN SUBJECTED TO A 15-POUND (67 N) FORCE
8. ALL EXTERIOR THRESHOLDS (U.O.N.) TO BE ADA APPROVED AS MANUFACTURED BY ALDORA ALUMINUM & GLASS PRODUCTS INC. WATER INFILTRATION RESISTANT, TYPICAL
9. CONTRACTOR SHALL WET SEAL ALL STOREFRONT AND DOOR ASSEMBLIES AS REQUIRED FOR A WORKMAN AND INDUSTRY'S CLASS I STANDARD, TYPICAL
10. ALL EXTERIOR MAN DOORS IN STEEL FRAMES NOT UNDER COVERED CANOPIES ARE TO RECEIVE PAINTED METAL RAIN HOODS, TYPICAL
11. ALL STOREFRONT GLAZING & INTERIOR GLAZING SHALL BE BY SEPARATE PERMIT AND HAVE PRODUCT APPROVAL (NOA) REVIEWED AND APPROVED BY A & E AND BY THE BUILDING DEPARTMENT, TYPICAL
12. PAINT COLOR FOR INTERIOR H.C. METAL DOORS TO MATCH SW7004 SNOWBOUND, PRO-CLASSIC WATERBORNE INTERIOR ACRYLIC SEMI-GLOSS ENAMEL, TYPICAL (U.O.N.)
13. THE UNLATCHING OF ANY DOOR OR LEAF IN THE PATH OF EGRESS SHALL NOT REQUIRE MORE THAN ONE RELEASING OPERATION TO COMPLY WITH SEC. 1010.1.9.6 OF THE 2010 FBC.-BUILDING, TYPICAL
14. PER SEC. 1010.1.9 OF THE F.B.C.-BUILDING, AND EXCEPT AS SPECIFICALLY PERMITTED BY THIS SECTION, EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT, TYPICAL

1 A12.0 DOOR SCHEDULE & NOTES

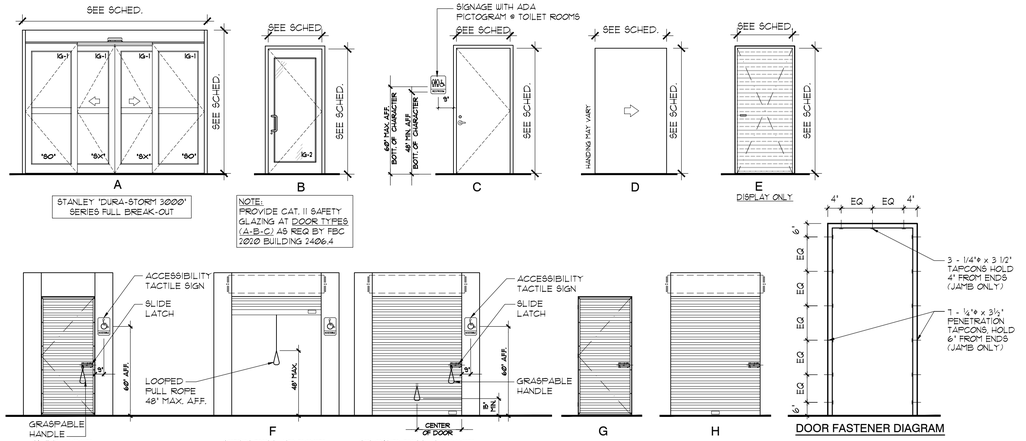
NTS.

HARDWARE SCHEDULE

GROUP	HARDWARE	MODEL NO.	SPECIFICATION	FINISH	MFG.
1	HINGES	YKK	PIVOT HINGES BY MANUF.	BLACK	YKK
	PUSH/PULL HARDWARE	YKK	BY MANUF.	BLACK	YKK
	DEADBOLT	-	BY MANUF.-THUMB TURN INSIDE, KEY OUTSIDE - SCHLAGE CYLINDER	BLACK	SCHLAGE
	CLOSER	4040	ADA APPROVED	STANDARD WITH ALUM. COVER & UNIVERSAL ARM	LCN OR MFR.
	THRESHOLD	YKK	BY MANUF. - ADA APPROVED	MILL	YKK
	WEATHERSTRIPPING	-	BY MANUF. PILE WEATHERSTRIP	BLACK	YKK
	WEATHERSTRIPPING	588B	PERIMETER SEAL	BLACK	PEMKO
	THROUBOLTS	YKK	BY MANUF. INACTIVE LEAF	MILL	YKK
2	HINGES	YKK	PIVOT HINGES BY MANUF.	BLACK	YKK
	PUSH/PULL HARDWARE	YKK	BY MANUF.	BLACK	YKK
	DEADBOLT	-	BY MANUF.-THUMB TURN INSIDE, KEY OUTSIDE - SCHLAGE CYLINDER	BLACK	SCHLAGE
	CLOSER	4040	ADA APPROVED	STANDARD WITH ALUM. COVER & UNIVERSAL ARM	LCN OR MFR.
	THRESHOLD	YKK	BY MANUF. - ADA APPROVED	MILL	YKK
	FLOOR STOP	438	HALF DOME	626	IVES
3	SLIDE HARDWARE - BI PARTING DOOR	DURA-STORM AUTOMATIC SLIDING GLASS DOOR	OVERALL FRAME: 148" x 96" WITH EMERGERCY BREAK A WAY LEAFS 50-8X-5X-50 BY MFG'R.	ANODIZED	STANLEY
	LOCKSET	-	STANLEY - SCHLAGE CYLINDER	-	STANLEY
	MOTION DETECTORS	(2) I Q2	BY: HARDWARE SUPPLIER	PREFINISHED	STANLEY
	DOOR CLOSER	-	AUTOMATIC BY MANUFACTURER	-	STANLEY
	ELECTRONIC KEYPAD	KP2000EM/OR EQUAL	-	628	SCHLAGE OR RTI
	CLOSER	-	ADA APPROVED BY MANUF	-	STANLEY
	FAILSAFE ELEC. LOCK	-	BY MANUFACTURER	MILL	STANLEY
4	HINGES	BB5	1 1/2 PR. - 4 1/2" x 4 1/2" OR EQUAL 5S	626	HAGAR
	STOREROOM LOCKSET	ND80PD	RHODES - STOREROOM	626	SCHLAGE
	PANIC / RIM EXIT DEVICE	VON DUPRIN, 98 SERIES	RIM EXIT DEVISE W/9986 TRIM	US32D	VON DUPRIN
	CLOSER	316AL	ADA APPROVED	689 WITH ALUM. COVER & UNIVERSAL HOLD OPEN	DESIGN HDWR
	SILENCER	608-RKW	COUNT 3	GRY	PEMKO
	WEATHERSTRIPPING	588B	PEMKO SEAL	BLACK	PEMKO
5	HINGES	BB1279	1 1/2 PR. - 4 1/2" x 4 1/2" OR EQUAL	US26D	HAGER
	CLASSROOM LOCKSET	ND10PD	RHODES - CLASSROOM	US26D	SCHLAGE
	CLOSER	4040	ADA APPROVED	STANDARD WITH ALUM. COVER & UNIVERSAL ARM	LCN
	FLOOR STOP	438	HALF DOME	626	IVES
	THRESHOLD	113A	2 1/2" SADDLE	MILL	PEMKO
	KICKPLATE	190S	12" x 34" 20 GA. S5 - NO BEVEL	32D	HAGER
	SILENCER	64	-	GRY	GLYNN JOHNSON
	WEATHERSTRIPPING	588GR	PERIMETER SEAL	GRAY	PEMKO
6	HINGES	BB1279	1 1/2 PR. - 4 1/2" x 4 1/2" OR EQUAL	626	HAGAR
	STOREROOM LOCKSET	ND80PD	RHODES - STOREROOM	626	SCHLAGE
	CLOSER	4040	ADA APPROVED	STANDARD WITH ALUM. COVER & UNIVERSAL ARM	LCN
	FLOOR STOP	-	-	-	-
	THRESHOLD	-	BY MANUF. ADA APPROVED	MILL	BY MANUF
	ALUMINUM RAIN DRIP GUARD	346C	48" LONG, PRE-FINISHED ALUMINUM	CLEAR ANODIZED ALUM.	PEMKO
	SILENCER	64	-	GRY	GLYNN JOHNSON
	WEATHERSTRIPPING	588B	PEMKO SEAL	BLACK	PEMKO
7	HINGES	BB1279	1 1/2 PR. - 4 1/2" x 4 1/2" OR EQUAL	US26D	HAGER
	STOREROOM LOCKSET	ND80PD	RHODES - STOREROOM	US26D	SCHLAGE
	CLOSER	4040	ADA APPROVED	STANDARD WITH ALUM. COVER & UNIVERSAL ARM	LCN
	FLOOR STOP	438	HALF DOME	626	IVES
	SILENCER	64	-	GRY	GLYNN JOHNSON
	KICKPLATE	190S	12" x 34" 20 GA. S5 - NO BEVEL	32D	HAGER
8	HINGES	BB1199	1 1/2 PR. - 4 1/2" x 4 1/2" OR EQUAL	626	HAGAR
	PRIVACY LOCKSET	ND40S	RHODES PRIVACY	626	SCHLAGE
	CLOSER	316AL	ADA APPROVED	689 WITH ALUM. COVER & UNIVERSAL ARM	DESIGN HDWR
	THRESHOLD	MBL AT TILE	GRAY VEIN/ WHITE FIELD, BEVEL 2 SIDE	POLISHED	
	SILENCER	608-RKW	COUNT 3	GRY	PEMKO
9	HINGES	BB1279	1 1/2 PR. - 4 1/2" x 4 1/2" OR EQUAL	US26D	HAGER
	OFFICE LOCKSET	ND50PD	RHODES - OFFICE	US26D	SCHLAGE
	CLOSER	4040	ADA APPROVED	STANDARD WITH ALUM.	LCN
	FLOOR STOP	438	HALF DOME	626	IVES
	SILENCER	64	-	GRY	GLYNN JOHNSON
10	HINGES	JANUS	BY MANUF.	BY MANUF.	
	LATCH	JANUS	JBI NH (YZ) JBT6 - NO HOLE HASP	BY MANUF.	
	INT. LOCK	-	BY OWNER	-	

2 A12.0 HARDWARE SCHEDULE

NTS.



TYPICAL ITEMS REQUIRED FOR A.D.A SWING DOOR UNIT

- 8" NYLON STRAP WITH 'S' HOOK FOR LATCH SLIDE.
- ACCESSIBILITY SIGN.

ALL DOORS SHALL REQUIRE A MAXIMUM OF 5 POUNDS OF FORCE TO OPEN AND CLOSE. SIGN HEIGHT IS 48" MINIMUM TO 60" MAXIMUM. REFERENCE ADA CODE CHAPTER 2, SECTION 703.

TYPICAL ITEMS REQUIRED FOR A.D.A ROLL-UP UNIT

- 8" NYLON STRAP WITH 'S' HOOK FOR LATCH SLIDE.
- 12" NYLON STRAP FOR GRASPABLE HANDLE ON FRONT OF DOOR.
- 48" HANGING STRAP FOR GRASPABLE PULL ROPE.
- ATTACHMENT HARDWARE.
- ACCESSIBILITY SIGN.

3 A12.0 DOOR TYPES/ELEVATIONS

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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Revisions:

DRAWN BY: FS/GJ
CHECKED BY: KRC
DATE: 10/16/2013
SCALE: AS NOTED
PROJECT #: 23053
CAD DWG FILE: A12.0

10/16/2014
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

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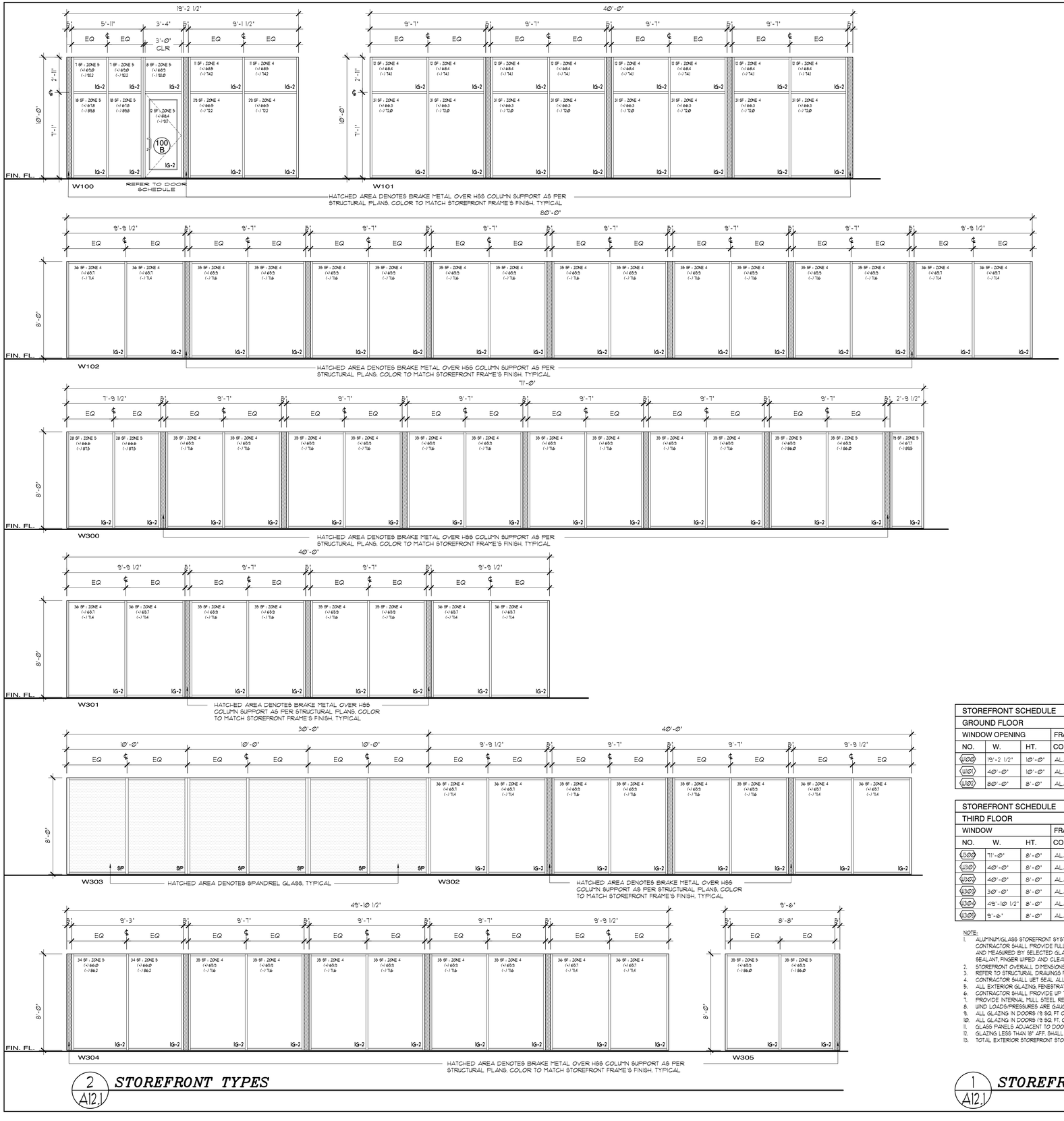
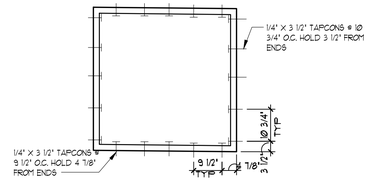


2 A12.1 *STOREFRONT TYPES*

GLAZING TYPE LEGEND

- IG-1 SLIDING GLASS DOORS: IMPACT RATED LAMINATED GLASS (SAFETY GLASS) WITH THE FOLLOWING SHGC = Ø.83 OR LOWER, U-VALUE = Ø.53 OR LOWER
- IG-2 OFFICE AREAS: IMPACT RATED LAMINATED GLASS (SAFETY GLASS), LOW-E TYPE WITH THE FOLLOWING SHGC= Ø.40 OR LOWER, U-VALUE= Ø.50 OR LOWER
- IG-3 DISPLAY AREAS: IMPACT RATED LAMINATED GLASS (SAFETY GLASS), LOW-E TYPE WITH THE FOLLOWING SHGC= Ø.82 OR LOWER, U-VALUE= Ø.80 OR LOWER
- TG TEMPERED GLASS CATEGORY II
- SP SPANDREL NON-IMPACT RATED GLASS
- FW FILMED WIRE FIRE & IMPACT SAFETY RATED GLASS



WINDOW FASTENER DIAGRAM

NOTE:
THE FASTENING SPECIFICATION IS DIAGRAMATIC ONLY AND INTENDED AS A GUIDE. GLASS SHOP DRAWINGS SHALL SUPERCEED. ARCHITECT TO APPROVE ANY SUBSTITUTE EQUAL GLASS COMPANY TO PROVIDE ALUMINUM GLAZING DETAILS.

STOREFRONT SCHEDULE
GROUND FLOOR

WINDOW OPENING			FRAME			GLAZING		REMARKS	WIND LOADS		IMPACT RATED ASSEMBLY	HURRICANE SHUTTER
NO.	W.	HT.	CONST.	SIZE	FINISH	TYPE	TINT		MAX. POS.	MAX. NEG.		
W00	19'-2 1/2"	10'-0"	AL/GL	5"x 2 1/2"	BLACK ANODIZED	IMPACT LAMINATED GLS	CLEAR	LOW-E	SEE ELEV	SEE ELEV	YES	NO
W01	40'-0"	10'-0"	AL/GL	5"x 2 1/2"	BLACK ANODIZED	IMPACT LAMINATED GLS	CLEAR	LOW-E	SEE ELEV	SEE ELEV	YES	NO
W02	80'-0"	8'-0"	AL/GL	5"x 2 1/2"	BLACK ANODIZED	IMPACT LAMINATED GLS	CLEAR	LOW-E	SEE ELEV	SEE ELEV	YES	NO

STOREFRONT SCHEDULE
THIRD FLOOR

WINDOW			FRAME			GLAZING		REMARKS	WIND LOADS		IMPACT RATED ASSEMBLY	HURRICANE SHUTTER
NO.	W.	HT.	CONST.	SIZE	FINISH	TYPE	TINT		MAX. POS.	MAX. NEG.		
W00	11'-0"	8'-0"	AL/GL	5"x 2 1/2"	BLACK ANODIZED	IMPACT LAMINATED GLS	CLEAR	-	SEE ELEV	SEE ELEV	YES	NO
W01	40'-0"	8'-0"	AL/GL	5"x 2 1/2"	BLACK ANODIZED	IMPACT LAMINATED GLS	CLEAR	-	SEE ELEV	SEE ELEV	YES	NO
W02	40'-0"	8'-0"	AL/GL	5"x 2 1/2"	BLACK ANODIZED	IMPACT LAMINATED GLS	CLEAR	-	SEE ELEV	SEE ELEV	YES	NO
W03	30'-0"	8'-0"	AL/GL	5"x 2 1/2"	BLACK ANODIZED	SPANDREL GLASS	DARK GRAY	-	SEE ELEV	SEE ELEV	YES	NO
W04	49'-10 1/2"	8'-0"	AL/GL	5"x 2 1/2"	BLACK ANODIZED	SPANDREL GLASS	DARK GRAY	-	SEE ELEV	SEE ELEV	YES	NO
W05	9'-6"	8'-0"	AL/GL	5"x 2 1/2"	BLACK ANODIZED	SPANDREL GLASS	DARK GRAY	-	SEE ELEV	SEE ELEV	YES	NO

NOTE:
1. ALUMINUM/GLASS STOREFRONT SYSTEM. IS BASED ON YKK - SERIES YHS 50 FI" IMPACT RATED GLAZING SYSTEM. NO ALTERNATES WILL BE ACCEPTED WITHOUT PRIOR ARCHITECT APPROVAL WITH FULL ENGINEERING BACKUP. CONTRACTOR SHALL PROVIDE FULL ENGINEERED SHOP DRAWINGS WITH ATTACHMENT DETAILS SIGNED & SEAL BY REGISTERED FLORIDA ENGINEER FOR APPROVAL PRIOR START OF WORK. ALL OPENINGS MUST BE FIELD VERIFIED AND MEASURED BY SELECTED GLAZING CONTRACTOR AND ACCEPTED BY CONTRACTOR PRIOR TO START OF SHOP FABRICATION OF GLAZING SYSTEM. THE ENTIRE SYSTEM IS TO BE WET SEALED WITH COLOR CO-ORDINATED SEALANT, FINGER WIPED AND CLEANED TO A WORKMAN AND INDUSTRY CLASS 1 STANDARD.
2. STOREFRONT OVERALL DIMENSIONS GIVEN ARE MASONRY/CONCRETE ROUGH OPENINGS, AND ASSUMES A MAX. OF ½" SHIM SPACE PER SIDE. TYPICAL (U.O.N.)
3. REFER TO STRUCTURAL DRAWINGS FOR DESIGN WIND PRESSURES. TYPICAL
4. CONTRACTOR SHALL WET SEAL ALL STOREFRONT AND DOOR ASSEMBLIES AS REQUIRED FOR A WORKMAN AND INDUSTRY'S CLASS 1 STANDARD. TYP.
5. ALL EXTERIOR GLAZING, FENESTRATION, ETC. SHALL BE FLORIDA OR MIAMI-DADE COUNTY WIND LOADING APPROVED WITH IMPACT RATED LAMINATED GLAZING, HARDWARE, AND MISC. ACCESSORIES TO MEET CODE.
6. CONTRACTOR SHALL PROVIDE UP TO DATE FLORIDA OR MIAMI-DADE PRODUCT APPROVAL (N.O.A.) OF ALL GLAZING, FENESTRATION, ALUMINUM VENTS ETC. FOR ARCHITECTS / ENGINEERS APPROVAL.
7. PROVIDE INTERNAL MULL STEEL REINFORCEMENT EACH VERTICAL MULL AS MAY BE REQUIRED BY THE MFR. TYPICAL
8. WIND LOADS/PRESSURES ARE GAUGED AGAINST LARGEST GLAZED PANEL IN STOREFRONT ASSEMBLY OR TOTAL ASSEMBLY.
9. ALL GLAZING IN DOORS (9 SQ. FT OR LESS) SHALL BE CAT 1 SAFETY GLAZING - FBC 2406.4.1
10. ALL GLAZING IN DOORS (9 SQ. FT. OR MORE) SHALL BE CAT 11 SAFETY GLAZING - FBC 2406.4.1
11. GLASS PANELS ADJACENT TO DOORS (WITHIN 24") SHALL BE CAT 11 SAFETY GLAZING - FBC 2406.4.2
12. GLAZING LESS THAN 18" AFF. SHALL BE CAT 11 SAFETY GLAZING - FBC 2406.4
13. TOTAL EXTERIOR STOREFRONT STOREFRONT GLAZING. AREA = 1,651 SQ. FT.

1 A12.1 *STOREFRONT SCHEDULE & NOTES*

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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Revisions:

DRAWN BY: FS/GJ
CHECKED BY: KRC
DATE: 10/16/2023
SCALE: AS NOTED
PROJECT #: 23053
CAD DWG FILE: A12.1

10/16/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

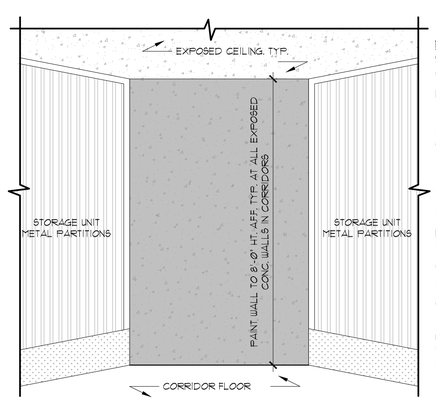
SHEET OF
A12.1
PAGE OF

FINISH LEGEND

KEY	MATERIAL / FINISH	MANUFACTURER	SPECIFICATION	COLOR	LOCATION & NOTES
FLOOR					
F-1	CARPET TILE	INTERFACE	PLAIN WEAVE MODULAR CARPET	10085 RUSTIC	RENTAL OFFICE FLOOR
F-2	CARPET TILE	MATS INC	STYLE #871	SUPREME NOP-CHARCOAL	STORAGE CORRIDORS / HALLWAYS
F-3	CERAMIC TILE	CROSVILLE	12" x 12" TILE, GROUT-LATICRETE #89 SMOKE GRAY	A825 MERCURY	RESTROOMS
F-4	SEALED CONCRETE	EUCLID CHEMICAL	SUPER AQUA-CURE VOX	CLEAR	STORAGE UNITS / CORRIDORS / JANITOR / LOBBIES
F-5	VINYL TILE	ARMSTRONG	12" x 12" x 1/8" TILE, ITEM No. 51841	POLAR WHITE	WAX FLOOR, 2 COATS PRIOR TO PROJECT TURNOVER / BREAK RM
F-6	BROOM SWEPT	-	MEDIUM BROOM SWEPT FINISH	-	ON CONCRETE - COVERED LOADING AREA
BASE					
B-1	VINYL BASE	BURKE MERCER	THUNDER 127	THUNDER	4" HEIGHT
B-2	ALUM. DIAMOND PLATE	METAL DOOR COMP.	12" HT. ALUM. DIAMOND PLATE CART BUMPER BASE	MIRROR FINISH	ON JANUS HALLWAY SYSTEM PARTITIONS FACING THE CORRIDORS IN STORAGE AREAS, TYPICAL
WALL FINISHES					
PT-1	PAINT / EG-SHELL	SHERWIN WILLIAMS	(2) COATS SHERWIN WILLIAMS PROMAR 200 ZERO VOC INT. LATEX EG-SHEL ON (1) S-W PROMAR 200 ZERO VOC INT. LATEX PRIMER.	SW 7004 SNOWBOUND	ON INT. GYP. WALL BOARD WALLS - RENTAL OFFICE, BREAK ROOM AND I.T. ROOM
PT-2	PAINT / EG-SHELL	SHERWIN WILLIAMS	(2) COATS SHERWIN WILLIAMS PROMAR 200 ZERO VOC INT. LATEX EG-SHEL ON (1) S-W PROMAR 200 ZERO VOC INT. LATEX PRIMER.	SW 6868 REAL RED	ON INT. GYP. WALL BOARD WALLS - RENTAL OFFICE ACCENT WALL. PROVIDE TINTED PRIMER
PT-3	EPOXY PAINT, EG-SHELL	SHERWIN WILLIAMS	2 COATS SHERWIN WILLIAMS PRO/INDUSTRIAL PRE-CATALYZED WATERBASED EPOXY EG-SHEL ON S-W PROMAR 200 ZERO VOC LATEX PRIMER. COLOR TO BE SELECTED BY OWNER	SW 7004 SNOWBOUND	ON RESTROOMS GYP. WALL BOARD WALLS WITHOUT CERAMIC TILE
PT-4	PAINT / SEMI-GLOSS	SHERWIN WILLIAMS	(2) COATS S-W PROMAR 200 ZERO VOC INT. LATEX SEMI-GLOSS ON (1) COAT S-W PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER	SW 7068 GRIZZLE GRAY	ON INTERIOR NON-FERROUS METALS (METAL SURFACES IN STAIRWELLS, STAIR TREADS, RISERS, LANDING & RAILINGS)
PT-5	PAINT / SEMI-GLOSS	SHERWIN WILLIAMS	(2) COATS S-W PROMAR 200 ZERO VOC INT. LATEX SEMI-GLOSS ON (1) COAT S-W PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER	SW 7004 SNOWBOUND	ON INTERIOR NON-FERROUS METALS (METAL FRAME TRIMS, DOORS & FRAMES)
PT-6	PAINT	SHERWIN WILLIAMS	(2) COATS S-W PROMAR 200 ZERO VOC INT. LATEX SEMI-GLOSS ON (1) COAT S-W PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER	SW 7068 GRIZZLE GRAY	ON INTERIOR CONCRETE WALLS - STORAGE AREAS AND STAIRS
CG-1	CORNER GUARD	BY MANUFACTURER	DIAMOND PLATE MATERIAL	NATURAL	AS SUPPLIED BY JANUS OR EQUAL. VERIFY LOCATION WITH OWNER.
WT-1	CERAMIC TILE	DALTILE	3" x 6" (STACK COVE BASE)	K115 BISCUIT ST	ON RESTROOMS WALLS WITHOUT FIXTURES, GROUT-LATICRETE #89 SMOKE GRAY
WT-2	CERAMIC TILE	ROCA	6" x 6" (NO COVE BASE)	U139 RED PEPPER	ON RESTROOMS ACCENT WALL WITH FIXTURES, GROUT-LATICRETE #89 SMOKE GRAY
W-1	S.S. WALL PANEL	BY ELEVATOR MFR	BRUSHED STAINLESS STEEL FULL HEIGHT	AS SELECTED BY OWNER	ELEVATOR CAB WALL FINISH
WC-1	ALUM. DIAMOND PLATE WAINSCOT	METAL DOOR COMP.	ALUM. DIAMOND PLATE WAINSCOT TO 48" AFF. TYPICAL AT ALL ELEVATOR LOBBIES AND GYP. WALL BOARD PARTITIONS/JANUS SYSTEM IN STORAGE AREAS FACING THE CORRIDORS	MIRROR FINISH	ON GYP. WALL BOARD WALLS FACING THE CORRIDORS, VESTIBULE, ELEVATOR LOBBIES, AND HALLWAY SYSTEM PARTITIONS FACING THE ENTRY LOBBY AREAS, TYPICAL
WC-2	FRP PANELS WAINSCOT	GLASSLINER	Ø090 FRP PANEL WAINSCOT TO 48" AFF. PROVIDE ANODIZED CLEAR ALUM. OR S.S. TERMINATION EDGE/CAP. TYPICAL	WHITE	ON GYP. WALL BOARD WALLS INSIDE JANITOR CLOSET
CEILING FINISHES					
C-1	SUSPENDED ACOUSTICAL TILE & GRID SYSTEM CEILING	ARMSTRONG	ARMSTRONG "CIRRUS" SQUARE LAY-IN 24" x 24" x 5/8" TILE WITH "PRELUDE" XL 15/16" WHITE GRID SUSPENSION SYSTEM	WHITE	RENTAL OFFICE, BREAK ROOM, RESTROOMS & I.T. ROOM
C-2	SUSPENDED OPEN GRID SYSTEM CEILING	ARMSTRONG	ARMSTRONG "PRELUDE" XL 15/16" BLACK OPEN GRID (NO TILE) SUSPENSION SYSTEM	BLACK	RENTAL OFFICE
C-3	PAINT / FLAT	BENJAMIN MOORE	(2) COATS BENJAMIN MOORE ULTRA SPEC 500 INT. LATEX FLAT ON (1) BENJAMIN MOORE ULTRA SPEC 500 INT. LATEX PRIMER.	2127-10 TWILIGHT ZONE	ON EXPOSED CEILINGS
C-4	EXPOSED STRUCTURE		N/A		NO CEILING
C-5	2" x 2" x 16 GA SECURITY WIRE MESH		8'-4" AFF ABOVE STORAGE UNITS WITH 2" x 2" ANGLE SUPPORT FRAME AT 5'-0" O.C. AS SELECTED BY OWNER		STORAGE UNITS
C-6	PRE-FINISHED METAL PANEL SOFFIT SYSTEM	T.B.D.	15'-0" AFF. PRE-ENGINEERED, FACTORY FINISHED METAL PANEL SOFFIT SYSTEM AS SELECTED BY OWNER/CONTRACTOR	WHITE	COVERED LOADING AREAS
C-7	PAINT / FLAT	SHERWIN WILLIAMS	(2) COATS SHERWIN WILLIAMS PROMAR 200 ZERO VOC INT. LATEX FLAT ON (1) S-W PROMAR 200 ZERO VOC INT. LATEX PRIMER.	SW 7004 SNOWBOUND	ON GYP. WALL BOARD CEILINGS
C-8	LAMINATE	BY ELEVATOR MFR. (T.B.D.)	LAMINATE CEILING OR APPROVED DURABLE EQUAL BY ELEVATOR MFR. (T.B.D. BY OWNER/CONTRACTOR)	AS SELECTED BY OWNER	ELEVATOR CAB CEILING
MILLWORK & JANUS FINISHES					
M-1	MELAMINE LAMINATE	WILSONART	CABINETS TO BE PROVIDED BY MAPLE LEAF CABINETS, TYP.	WHITE	BASE AND UPPER WALL CABINET FACES, VERIFY COLOR SELECTION AND EDGE SELECTION WITH OWNER
CT-1	COUNTERTOP & SPLASHES - MELAMINE LAMINATE	WILSONART	COUNTERTOP TO BE PROVIDED BY MAPLELEAF CABINETS, TYP.	BLACK	COUNTERTOPS & SPLASHES - BREAK ROOM, VERIFY COLOR SELECTION AND EDGE SELECTION WITH OWNER
G-1	METAL PANELS/ WALL GUARDS	JANUS	PRE-FINISHED GLOSSY WHITE STORAGE PARTITIONS AND SWING / ROLL-UP DOORS. COLOR: "PATRIOT RED"	AS SELECTED BY OWNER COLORED DOORS AT GLAZED EXT. OPENINGS	VERIFY COLOR OF JANUS DOORS BEHIND GLAZED OPENINGS AT DISPLAY AREAS
WINDOW TREATMENTS					
BL-1	WINDOW BLINDS	T.B.D.	FULL HEIGHT ROLLER SHADE STYLE BLINDS WITH 5% OPACITY	CHARCOAL	RENTAL OFFICE - WINDOW WALL / STOREFRONT SYSTEM

*FINISHES SHALL BE CLASS B MINIMUM FIRE RATING, TYPICAL

2 / A12.2 FINISH LEGEND



NOTE: ALL FINISHES TO BE COORDINATED AND CONFIRMED WITH THE OWNER PRIOR TO PURCHASE AND APPLICATION.

IT IS THE INTENT AND DESIRE TO DELIVER A PROJECT THAT PROVIDES LIMITED VOC CONTENT WHERE POSSIBLE. THEREFORE, THE FOLLOWING RECOMMENDATIONS ARE TO SERVE AS GUIDELINES FOR THE PAINTS & COATINGS USED ON THE INTERIOR OF THE BUILDING:

ARCHITECTURAL PAINTS AND COATINGS - SHOULD NOT EXCEED THE VOC CONTENT LIMITS ESTABLISHED IN GREEN SEAL STANDARD GS-11, PAINTS, 1ST EDITION, MAY 20, 1993.

ANTI-CORROSIVE AND ANTI-RUST PAINTS - SHOULD NOT EXCEED THE VOC CONTENT LIMIT OF 250 g/L ESTABLISHED IN GREEN SEAL STANDARD GS-03, ANTI-CORROSIVE PAINTS, 2ND EDITION, JANUARY 7, 1997.

CLEAR WOOD FINISHES, FLOOR COATINGS, STAINS, PRIMERS, AND SHELLACS - SHOULD NOT EXCEED THE VOC CONTENT LIMIT ESTABLISHED IN SCAQMD RULE 1113, ARCHITECTURAL COATINGS, EFFECTIVE JANUARY 1, 2004.

PAINT FINISHES: LOW VOC PAINTS AND PRIMERS BY SHERWIN WILLIAMS, OR AS SELECTED BY THE OWNER. FINISH TO BE "EG-SHEL", UNLESS NOTED OTHERWISE. ALL TRIM TO BE SEMI-GLOSS, UNLESS NOTED OTHERWISE.

4 / A12.2 WALL FINISH DETAIL AT CORRIDORS

GENERAL NOTE:

A. REFER TO SHEET A11 FOR CLASSIFICATION OF INTERIOR FINISHES THEIR FLAME SPREAD AND SMOKE DEVELOPED MINIMUM REQUIREMENTS PER 2020 F.B.C. AND F.F.P.C. 2018 EDITION.

B. ALL INTERIOR EXPOSED SURFACES AND MATERIALS SHALL HAVE A MIN. CLASS FLAME SPREAD, AS INDICATED IN "FLORIDA BUILDING CODE (2020) 'INTERIOR FINISH' TABLE 803.11 AND "FLORIDA FIRE PREVENTION CODE (2018) 'INTERIOR FINISH SECTION 1022.

C. CONTRACTOR SHALL PROVIDE ON SITE BRUSH OUTS ALL PAINT COLORS IN SITE FOR OWNERS APPROVAL IN MIN. 4 SQ. FT. AREAS, PRIOR OF START/ PURCHASE OF MATERIALS.

D. 20 GA. JANUS METAL HALLWAY SYSTEM OR EQUAL, GLOSSY WHITE "ES6" STANDARD JANUS ROLL UP DOORS AND SWING DOORS, PATRIOT RED "ES5" STANDARD, 20 GA. GALVANIZED METAL CART BUMPER AT 12" ABOVE FINISHED FLOOR OVER WALL SURFACE, TYP. (U.O.N.)

GENERAL NOTE :

1. CORRIDORS, LOBBIES, ETC. WITH CONSTRUCTED WALLS OTHER THAN JANUS SYSTEM TO BE PAINTED PT-1 OR PT-5, RECEIVE WAINSCOT OF JANUS PANELS WITH CART BUMPER AND GALV. METAL CORNER GUARDS. PROVIDE SEPARATE LINE ITEM & BID.
2. ALL COMMON CORRIDOR WALLS CONSTRUCTED IN GYPSUM BOARD OR CONCRETE IS TO BE PAINTED PT-1. WALL AREAS BEHIND CORRIDOR WALLS TO BE FINISHED BUT NOT PAINTED.
3. OPEN CEILING AREAS TO HAVE EXPOSED, UNFINISHED GALVANIZED METAL DECK, TYPICAL.
4. DISPLAY AREAS TO RECEIVE PRE-FINISHED JANUS HALLWAY PANELS OR APPROVED EQUAL (WHITE) WITH APPLIED FAUX DOORS (FIELD PAINTED "PATRIOT RED" AS SHOWN ON FLOOR PLANS. PAINT FINISH ON EXPOSED WALLS & COLUMNS ABOVE STORAGE PARTITIONS ONLY.
5. COVERED ENTRY & LOADING AREA SHALL BE PAINTED TO MATCH EXTERIOR ADJACENT COLORS, REFER TO EXTERIOR ELEVATIONS SHEETS FOR MORE INFO.
6. CORRIDORS WITH CONSTRUCTED CONCRETE WALLS OTHER THAN JANUS SYSTEM TO BE PAINTED TO 8'-0" A.F.F. - GYP. WALL BOARD WALLS IN CORRIDORS SHALL BE PAINTED FULL HEIGHT AND RECEIVE 4'-0" H. ALUMINUM DIAMOND PLATE WAINSCOT, TYPICAL
7. GYP. WALL BOARD WALLS INSIDE OF STORAGE UNITS SHALL BE PAINTED AND RECEIVE A JANUS PANEL FINISH 8'-0" AFF. TYPICAL
8. ALL JANUS PANEL WALLS IN CORRIDORS SHALL BE PRE-FINISHED "HIGH GLOSS WHITE" BY MFG'R. JANUS PANEL SYSTEM TO HAVE MITERED, FULL HEIGHT, ALUM. DIAMOND CORNERS IN CORRIDORS. STORAGE UNIT DOORS TO BE PRE-FINISHED "PATRIOT RED" BY MFG'R. COLUMNS IN UNITS TO RECEIVE JANUS PANEL WRAP TO 8'-0" AFF., TYPICAL AT ALL LOCATIONS IN STORAGE AREAS.
9. REFER TO BUILDING ELEVATION SHEETS FOR EXTERIOR FINISHES, TYPICAL
10. ALL STEEL IN STAIRWELL EXCEPT TREADS AND RISERS TO RECEIVE (2) COATS S-W PROMAR 200 WATERBASED ACRYLIC- ALKYD SEMI-GLOSS ON S-W PRO-INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER ON RED OXIDE PRIMER (BY MFG'R). TYP.
11. PAINT FINISH ON EXPOSED WALLS & COLUMNS ABOVE STORAGE PARTITIONS ONLY. ALL INTERIOR FINISHES TO BE CLASS 'A' OR 'B'.
12. ALL WALLS IN RESTROOMS, JANITOR, & FIRE ROOM TO RECEIVE EPOXY PAINT FINISH, TYP. U.O.N.
13. UNITS WITH LIGHT SHALL PROVIDE REMOVABLE SECTION OF MESH ADEQUATE TO SERVICE LIGHT FIXTURE FROM INSIDE UNIT. MESH TO BE CUT AND HELD IN PLACE WITH ZIP TIES OR WIRES PER OWNERS REQUEST.
14. OPEN CEILING AREAS IN RENTAL OFFICE, WHERE PROVIDED, TO RECEIVE PAINTED DRY FALL FINISH (BLACK) IN ALL UPPER AREAS. CONTRACTOR TO PREPARE ALL SURFACES TO RECEIVE DRY FALL PER MANUFACTURER SPECIFICATIONS
15. ELEVATOR CORE WALLS AT CORRIDORS/ELEVATOR LOBBY TO BE PAINTED 8'-0" H.T. PROVIDE ALUMINUM DIAMOND PLATE WAINSCOT ON CONTROL WALL, (3'-0"H.T. MAX AT ELEVATOR CALL BUTTONS, TYP.).
16. ALL ELEVATOR CAB FINISHES ARE BY MFR'S, AS SELECTED BY OWNER.

3 / A12.2 FINISH SCHEDULE GENERAL NOTES

FINISH SCHEDULE

NOTE: WIND LOADS SHOWN ARE (ULT) WIND PRESSURES

SEE ELEVATION SHEET FOR EXTERIOR WALL FINISHES

RM. #	NAME	FLOOR	BASE	WALLS N	WALLS E	WALLS S	WALLS W	TRIM	CEILING FINISH	CEILING HEIGHT.	REMARKS
GROUND FLOOR											
101	STAIR #1	F-4	-	PT-6	PT-6	PT-6	PT-6	PT-5	C-4	EXPOSED	PAINT UNDERSIDE OF STAIR'S RUNS AND LANDINGS
102	STAIR #2	F-4	-	PT-6	PT-6	PT-6	PT-6	PT-5	C-4	EXPOSED	PAINT UNDERSIDE OF STAIR'S RUNS AND LANDINGS
103	ELEVATOR 1	F-2	-	W-1	W-1	W-1	W-1	STAINLESS STEEL	C-8	9'-0"	ELEVCAB FULL HT TEXTURE S.S. WALL
104	ELEVATOR 2	F-2	-	W-1	W-1	W-1	W-1	STAINLESS STEEL	C-8	9'-0"	ELEVCAB FULL HT TEXTURE S.S. WALL
105	ELEV. MACHINE ROOM	F-4	-	PT-6	PT-6	PT-6	PT-6	PT-5	C-4	EXPOSED	-
106	ELECTRIC ROOM	F-4	-	PT-6	PT-6	PT-6	PT-6	PT-5	C-3	9'-0"	1-HR FIRE RATED GYP. WALL BOARD CEILING BELOW 1-HR FIRE RATED CONC. FLOOR DECK
107	SALES OFFICE	F-1	B-1	PT-1 / PT-2	PT-1	PT-1	PT-1	PT-5	C-1	SEE RCP	USE PT-2 AT ACCENT/BRAND WALL ONLY
108	BREAK ROOM	F-5	B-1	PT-1	PT-1	PT-1	PT-1	PT-5	C-1	9'-0"	-
109	TOILET ROOM	F-3	-	WT-1	WT-2	WT-1	WT-1	PT-5	C-1	8'-0"	-
110	TOILET ROOM	F-3	-	WT-1	WT-1	WT-1	WT-2	PT-5	C-1	8'-0"	-
111	JANITOR	F-4	-	PT-3 / WC-1	PT-3 / WC-1	PT-3 / WC-1	PT-3 / WC-1	PT-5	C-4	EXPOSED	-
112	LOBBY	F-4	-	PT-6 / WC-1	PT-6 / WC-1	PT-6 / WC-1	PT-6 / WC-1	-	C-4	EXPOSED	PAINT WALLS FULL HT. ABOVE WAINSCOT TYP.
113	LOADING	F-6	-	-	-	-	-	-	C-4	EXPOSED	SEE EXT. ELEVATIONS AND WALL SECTIONS FOR WALL & CEILING FINISHES
114	DISPLAY	F-4	B-2	-	-	-	-	-	C-7	9'-0"	PRE-FINISHED METAL WALL PANEL
115	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
116	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
117	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
118	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
119	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
120	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
121	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
122	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
123	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
124	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
125	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
126	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
# # #	STORAGE UNITS	F-4	N.A.	-	-	-	-	-	2" x 2" WIRE MESH	8'-0"	PRE-FINISHED METAL WALL PANEL
SECOND FLOOR											
201	STAIR #1	F-4	-	PT-6	PT-6	PT-6	PT-6	PT-5	C-4	EXPOSED	PAINT UNDERSIDE OF STAIR'S RUNS AND LANDINGS
202	STAIR #2	F-4	-	PT-6	PT-6	PT-6	PT-6	PT-5	C-4	EXPOSED	PAINT UNDERSIDE OF STAIR'S RUNS AND LANDINGS
203	ELEVATOR 1	F-2	-	W-1	W-1	W-1	W-1	STAINLESS STEEL	C-8	9'-0"	ELEVCAB FULL HT TEXTURE S.S. WALL
204	ELEVATOR 2	F-2	-	W-1	W-1	W-1	W-1	STAINLESS STEEL	C-8	9'-0"	ELEVCAB FULL HT TEXTURE S.S. WALL
205	ELEVATOR LOBBY	F-4	-	PT-6 / WC-1	PT-6 / WC-1	PT-6 / WC-1	PT-6 / WC-1	-	C-4	EXPOSED	PAINT WALLS FULL HT. ABOVE WAINSCOT TYP.
206	TOILET ROOM	F-3	-	WT-1	WT-2	WT-1	WT-1	PT-5	C-1	8'-0"	-
207	TOILET ROOM	F-3	-	WT-1	WT-1	WT-1	WT-2	PT-5	C-1	8'-0"	-
208	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
209	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
210	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
211	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
212	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
213	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
214	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
215	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
# # #	STORAGE UNITS	F-4	N.A.	-	-	-	-	-	2" x 2" WIRE MESH	8'-0"	PRE-FINISHED METAL WALL PANEL
THIRD FLOOR											
301	STAIR #1	F-4	-	PT-6	PT-6	PT-6	PT-6	PT-5	C-4	EXPOSED	PAINT UNDERSIDE OF STAIR'S RUNS AND LANDINGS
302	STAIR #2	F-4	-	PT-6	PT-6	PT-6	PT-6	PT-5	C-4	EXPOSED	PAINT UNDERSIDE OF STAIR'S RUNS AND LANDINGS
303	ELEVATOR 1	F-2	-	W-1	W-1	W-1	W-1	STAINLESS STEEL	C-8	9'-0"	ELEVCAB FULL HT TEXTURE S.S. WALL
304	ELEVATOR 2	F-2	-	W-1	W-1	W-1	W-1	STAINLESS STEEL	C-8	9'-0"	ELEVCAB FULL HT TEXTURE S.S. WALL
305	ELEVATOR LOBBY	F-4	-	PT-6 / WC-1	PT-6 / WC-1	PT-6 / WC-1	PT-6 / WC-1	-	C-4	EXPOSED	PAINT WALLS FULL HT. ABOVE WAINSCOT TYP.
306	DISPLAY	F-4	B-2	-	-	-	-	-	C-7	9'-0"	PRE-FINISHED METAL WALL PANEL
307	DISPLAY	F-4	B-2	-	-	-	-	-	C-7	9'-0"	PRE-FINISHED METAL WALL PANEL
308	DISPLAY	F-4	B-2	-	-	-	-	-	C-7	9'-0"	PRE-FINISHED METAL WALL PANEL
309	DISPLAY	F-4	B-2	-	-	-	-	-	C-7	9'-0"	PRE-FINISHED METAL WALL PANEL
310	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
311	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
312	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
313	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
314	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
315	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
316	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
317	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
318	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
319	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
320	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
321	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
322	CORRIDOR	F-4	B-2	-	-	-	-	-	C-4	EXPOSED	-
# # #	STORAGE UNITS	F-4	N.A.	-	-	-	-	-	2" x 2" WIRE MESH	8'-0"	PRE-FINISHED METAL WALL PANEL

DENOTES VINYL BASE TO BE INSTALLED AT PERIMETER AND COMMON HALLWAYS WALLS FRAMED WITH GYP. BOARD IN COMMON HALLWAYS. PAINT EXPOSED WALLS AND COLUMNS AND ABOVE STORAGE PARTITIONS ONLY. ALL INTERIOR FINISHES TO BE CLASS A OR B.

1 / A12.2 FINISH SCHEDULE

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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Revisions:

DRAWN BY: FS/GJ
CHECKED BY: KRC
DATE: 10/16/2023
SCALE: AS NOTED
PROJECT #: 23253
CAD DWG FILE: A12.2

10/18/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

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A12.2
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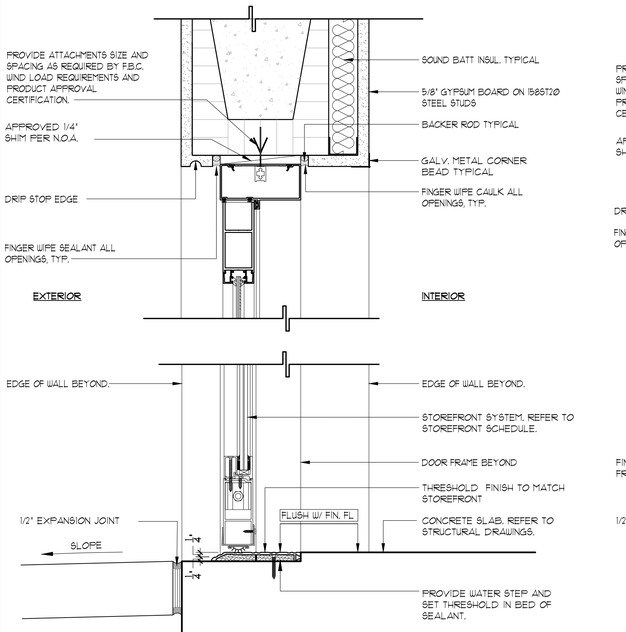

1 A12.3 **STOREFRONT DOOR DETAIL**
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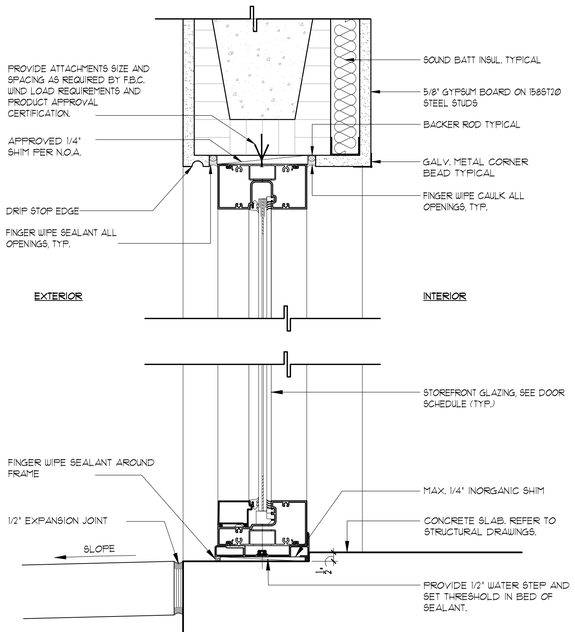
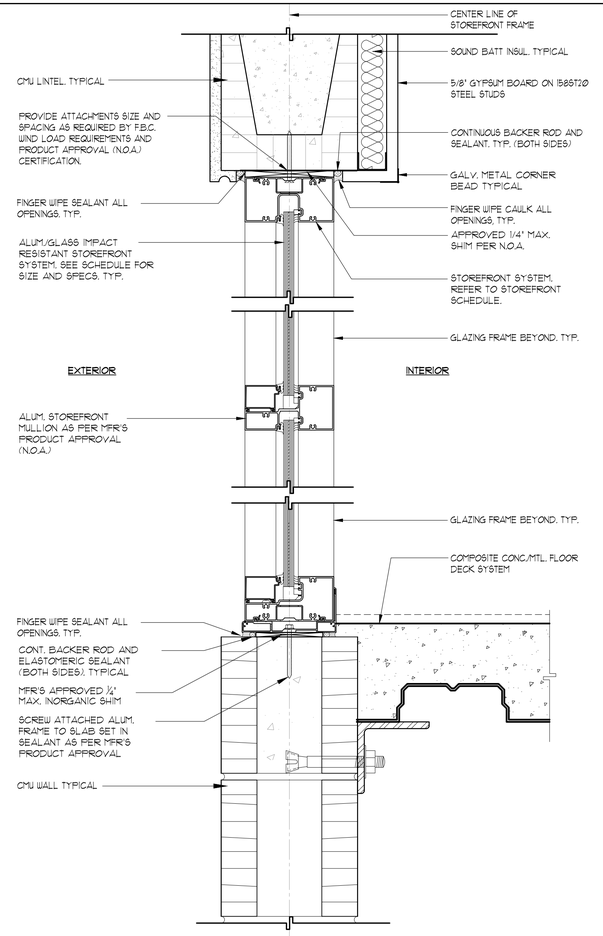
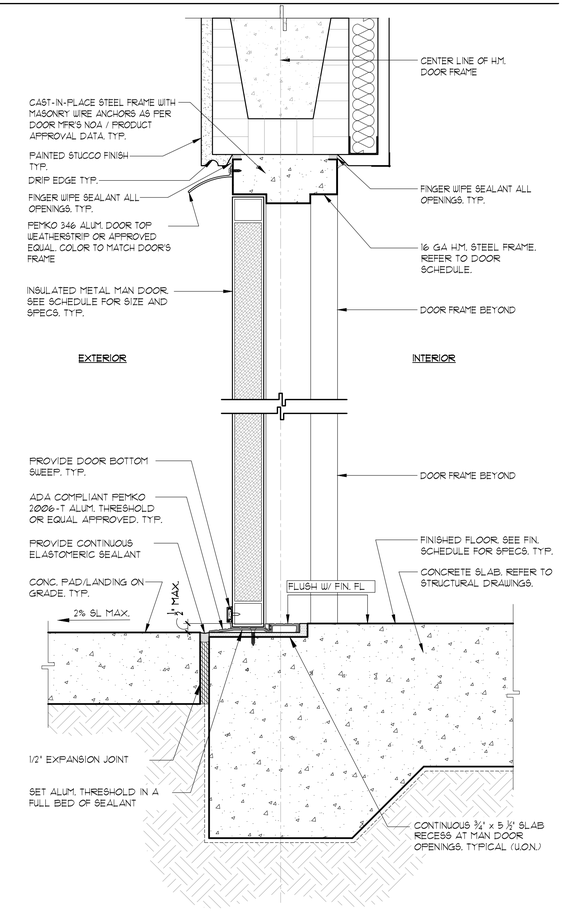


2 A12.3 **STOREFRONT DOOR DETAIL**
3"-1"-0"



3 A12.3 **STOREFRONT DETAIL**
3"-1"-0"



4 A12.3 **INSULATED METAL DOOR DETAIL**
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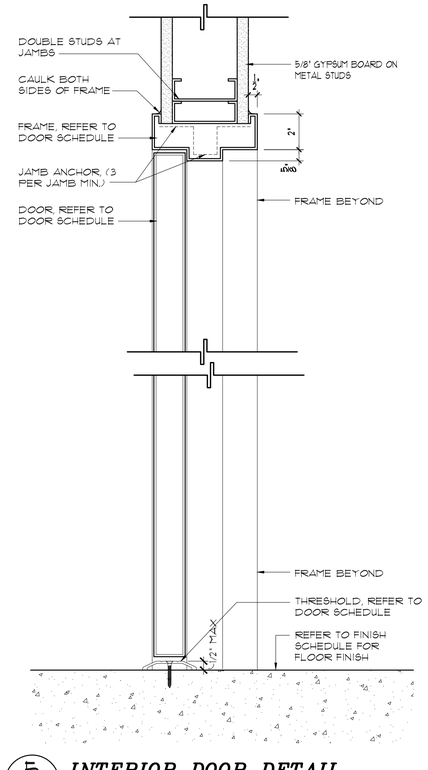

5 A12.3 **INTERIOR DOOR DETAIL**
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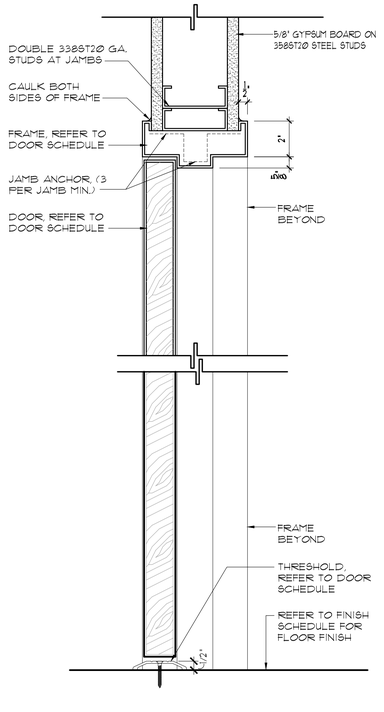

6 A12.3 **INTERIOR DOOR DETAIL**
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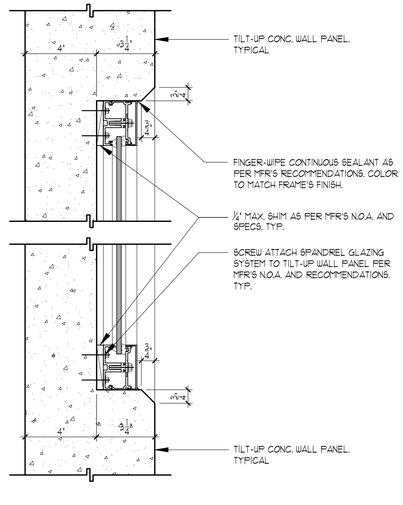
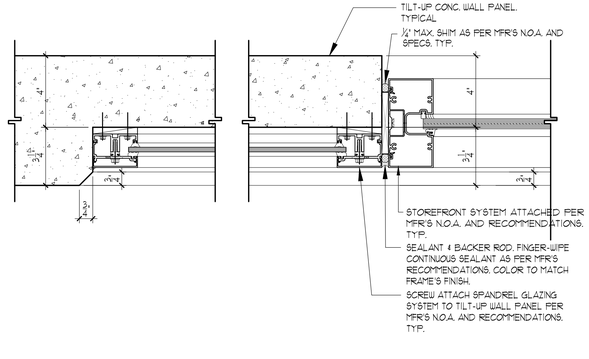


7 A12.3 **SPANDREL DETAIL**
3"-1"-0"



8 A12.3 **SPANDREL DETAIL**
3"-1"-0"

REVIEWED FOR CODE COMPLIANCE
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GLEN RIDGE SELF-STORAGE
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Revisions:

DRAWN BY: FS/GJ
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PROJECT #: 23053
CAD DWG FILE: A123

10/18/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

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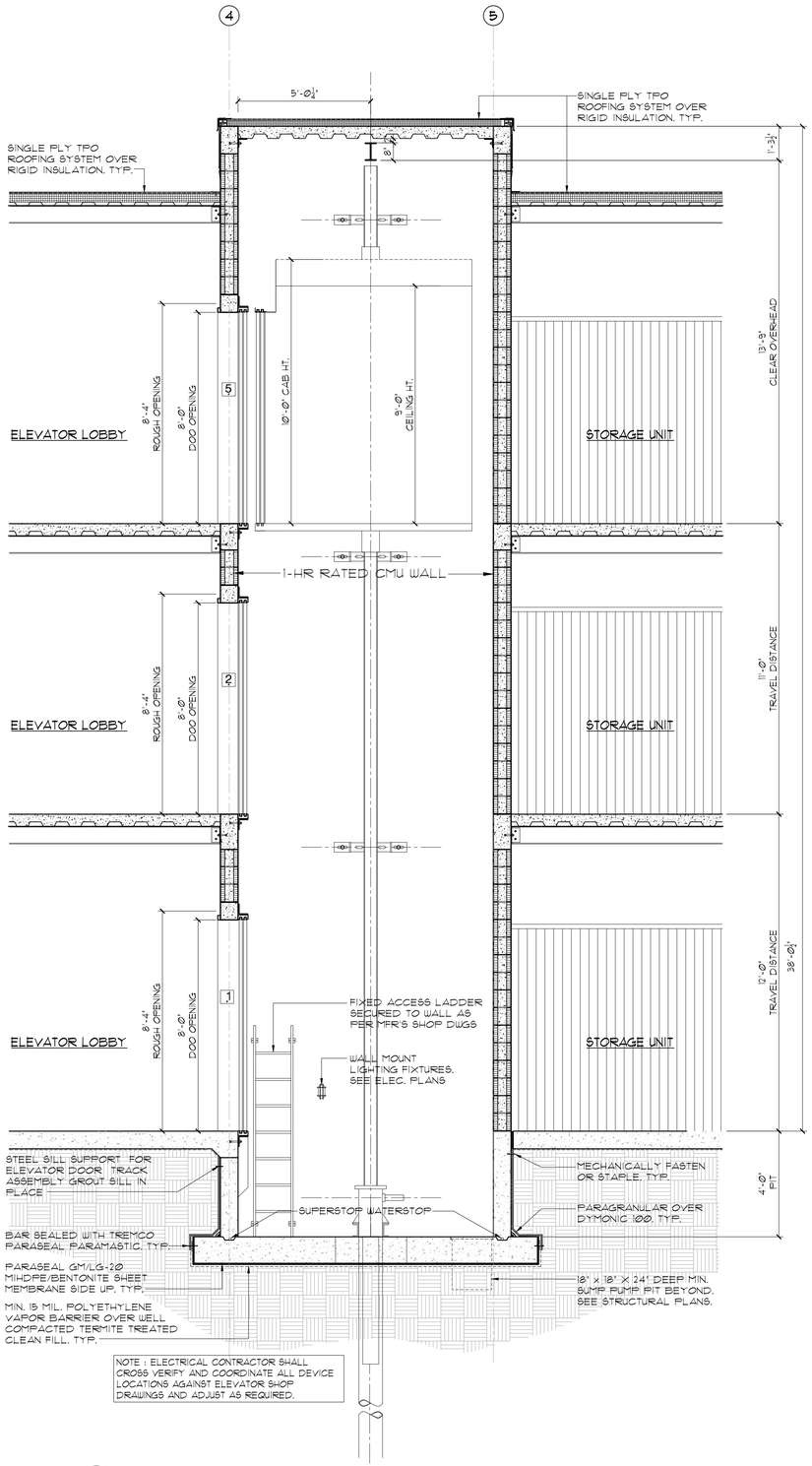
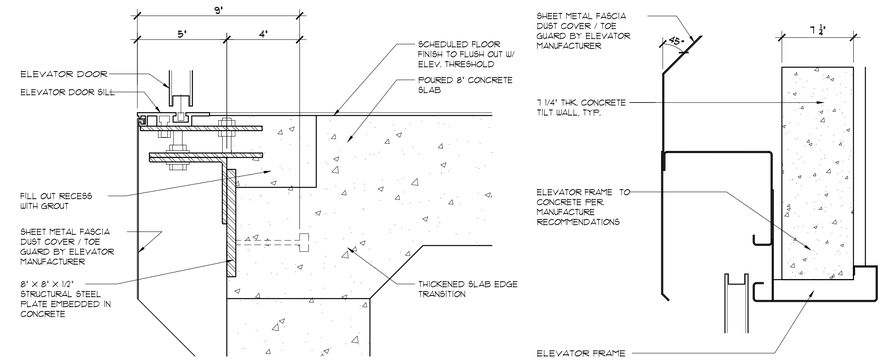
A12.3
PAGE OF

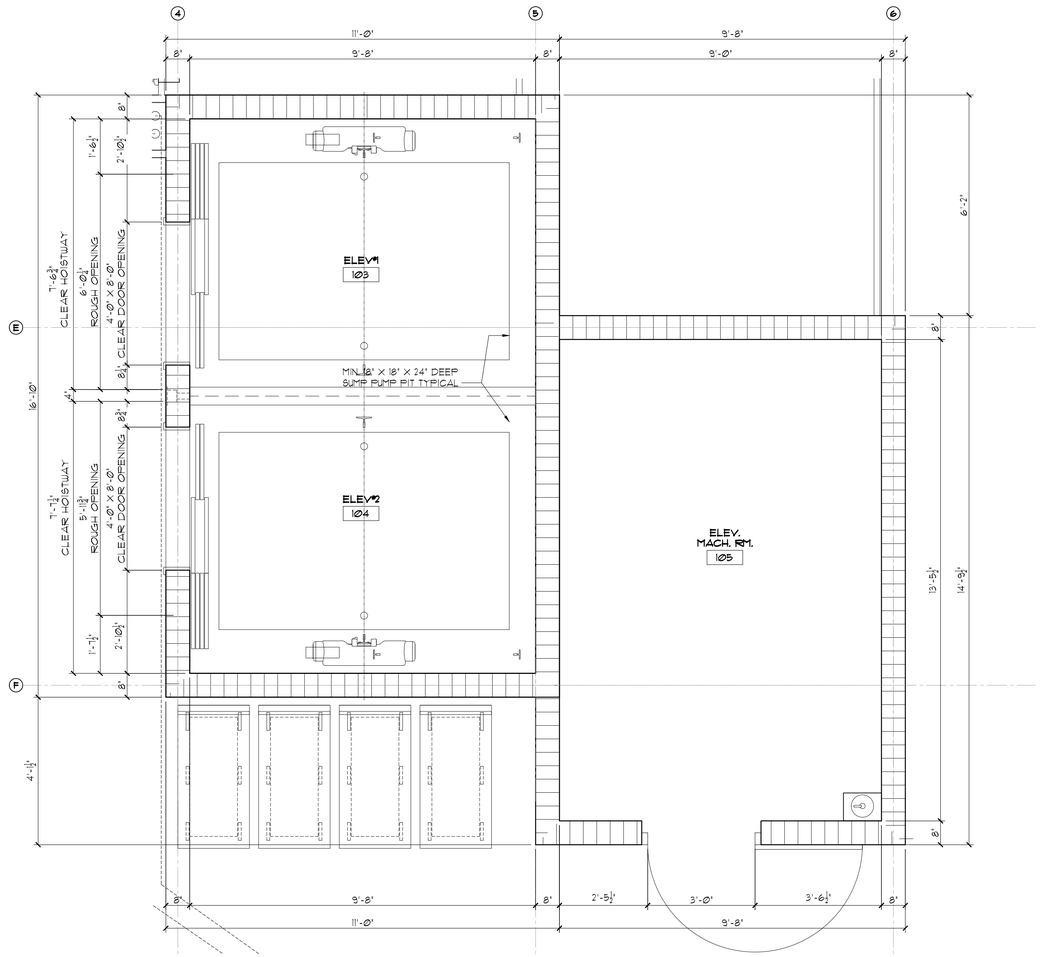


NOTE : ELECTRICAL CONTRACTOR SHALL CROSS VERIFY AND COORDINATE ALL DEVICE LOCATIONS AGAINST ELEVATOR SHOP DRAWINGS AND ADJUST AS REQUIRED.

2 A13.0 **ELEVATOR SHAFT SECTION**
1/4"=1'-0"



3 A13.0 **ELEVATOR SILL & JAMB DETAIL**
1/4"=1'-0"



ELEVATOR SPECS BASES OF DESIGN:
(TKE ENDURA 45B) HYDRAULIC ELEVATOR
CAB HEIGHT 10'-0"
CAB CEILING HEIGHT 9'-0"
CAPACITY 4500 (LBS)
CAR SPEED UP/DN 150/150 (FPM)

NOTE: OWNER TO PROVIDE FINAL SELECTION OF ELEVATOR MANUFACTURE AND MODEL. G.C TO COORDINATE WITH A.O.R & S.E.O.R

NOTE:
1. ALL ELEVATORS SHALL COMPLY WITH ASME A17.1 - FBC 3001.5.3 (FBC(A) 407.1)
2. ELEVATOR'S INTERIOR DIMENSIONS SHALL COMPLY WITH FBC 3002.4 (FBC(A) 407.4.)
3. PERMANENT LADDERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 306.5 OF THE FBC-MECHANICAL

NOTE:
STEEL HOISTWAY BEAMS AS RECOMMENDED BY ELEVATOR MFGR. CROSS VERIFY SIZE WITH STRUCTURAL ENGINEER. BEAM TO BE INCLUDED AT ROOF FOR EACH CAR IN BID PACKAGE W/ BUILDING STEEL FRAMING BID AND INSTALLED BY STEEL ERECTION CONTRACTOR

CONTRACTOR TO PROVIDE 2-HR FIRE RATED SEALANT (CAULK) ON BOTH SIDES (INSIDE AND OUT.) OF ALL PANEL JOINTS AT STAIR ENCLOSURES AND ELEVATOR SHAFT PER UL DESIGN NO. WW-S-0002

1 A13.0 **ELEVATOR FLOOR PLAN**
1/2"=1'-0"

NORTH

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
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Revisions:

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SCALE: AS NOTED
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CAD DWG FILE: A13.0

10/18/2024
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AR12546

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OF
PAGE OF

* NOTE

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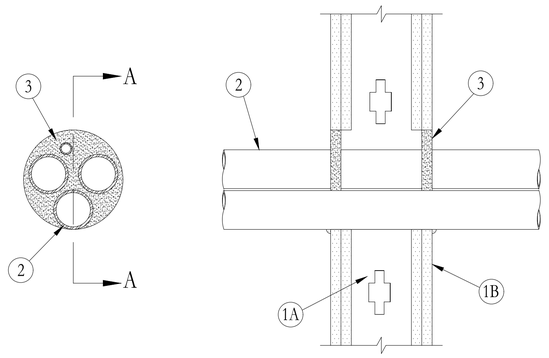
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

SYSTEM NO. W-L-1287

F RATINGS-- 1 & 2 HR (SEE ITEM 1)
T RATINGS-- 0 & 1/4 HR (SEE ITEM 1)



SECTION A-A

1. Wall Assembly - The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design 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 channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-1/2 in. wide spaced max 24 in. OC.
B. Gypsum Board* - The gypsum board 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 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.
The hourly T Rating is 0 and 1/4 Hr for 1 and 2 Hr rated assemblies, respectively.
2. Through Penetrants - One or more metallic pipes, conduits, tubes or flexible metal pipes installed concentrically or eccentrically within opening. Annular space between penetrants and periphery of opening to be min 0 in. (point contact) to max 2 in. Space between penetrants to be min 1/4 in. to max 2 in. Penetrants to be rigidly supported on both sides of wall. The following types and sizes of penetrants may be used:
A. Steel Pipe - Nom 3 in. diam (or smaller) Schedule 5 (or heavier) steel pipe.
B. Iron Pipe - Nom 3 in. diam (or smaller) cast or ductile iron pipe.
C. Conduit - Nom 3 in. diam (or smaller) steel conduit or steel electrical metallic tubing.
D. Copper Tubing - Nom 2 in. diam (or smaller) Type L (or heavier) copper tubing.
E. Copper Pipe - Nom 2 in. diam (or smaller) Regular (or heavier) copper pipe.
F. Through Penetrating Product* - Flexible Metal Piping-The following types of steel flexible metal gas piping may be used:
1. Nom 2 in. diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
OMEGA FLEX INC.
2. Nom 1 in. diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
TITEFLEX CORP A BUNDY CO
3. Nom 1 in. diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
WARD MFG INC.
3. Fill,Void or Cavity Material* - Caulk - Min 5/8 in. thickness of caulk applied within annulus, flush with both surfaces of wall. Min 1/4 in. diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall.
MINNESOTA MINING & MFG. CO. - IC 15WB
*Bearing the UL Classification Marking

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, however, since the conditions of use and application are beyond our control, 3M shall not be liable for any damage, direct or consequential, resulting from the use of this material or design . 3M's only warranty shall be to replace any of our products proved to be defective.

PAGE	UL SYSTEM NO.
1 OF 1	W-L-1287

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3 / A14.0 **1 AND 2 HOUR RATED MULTIPLE PIPE THROUGH GYP BOARD**
NO SCALE

* NOTE

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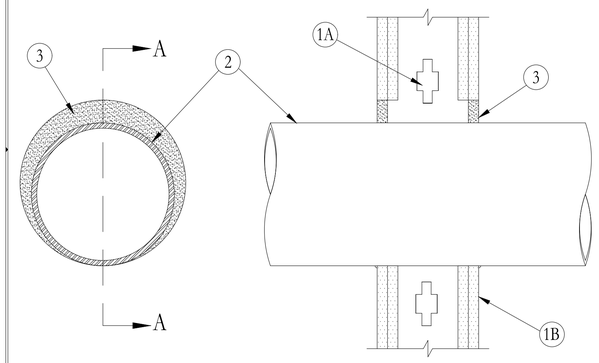
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

SYSTEM NO. W-L-1296

F RATINGS-- 1 & 2 HR (SEE ITEM 1)
T RATINGS-- 0 & 1/4 HR (SEE ITEM 1)



SECTION A-A

1. Wall Assembly - The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design 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 channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-1/2 in. wide spaced max 24 in. OC.
B. Gypsum Board* - The gypsum board 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 10-1/2 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.
The hourly T Rating is 0 and 1/4 Hr for 1 and 2 Hr rated assemblies, respectively.
2. Through Penetrants - One metallic pipe, conduit, tubing or flexible metal pipe installed concentrically or eccentrically within opening. Annular space between penetrant and periphery of opening to be min 0 in. (point contact) to max 1-7/8 in. Penetrant to be rigidly supported on both sides of wall. The following types and sizes of penetrants may be used:
A. Steel Pipe - Nom 8 in. diam (or smaller) Schedule 5 (or heavier) steel pipe.
B. Iron Pipe - Nom 8 in. diam (or smaller) cast or ductile iron pipe.
C. Conduit - Nom 4 in. diam (or smaller) steel electrical metallic tubing (EMT) or nom 6 in. rigid steel conduit.
D. Copper Tubing - Nom 4 in. diam (or smaller) Type L (or heavier) copper tubing.
E. Copper Pipe - Nom 4 in. diam (or smaller) Regular (or heavier) copper pipe.
F. Through Penetrating Product* - Flexible Metal Piping-The following types of steel flexible metal gas piping may be used:
1. Nom 2 in. diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
OMEGA FLEX INC.
2. Nom 1 in. diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
TITEFLEX CORP A BUNDY CO.
3. Nom 1 in. diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
WARD MFG INC.
3. Fill,Void or Cavity Material* - Caulk - Min 5/8 in. thickness of caulk applied within annulus, flush with both surfaces of wall. Min 1/4 in. diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall.
MINNESOTA MINING & MFG. CO. - IC 15WB
*Bearing the UL Classification Marking

PAGE	UL SYSTEM NO.
1 OF 1	WL-1296

3M Fire Protection Products

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1 / A14.0 **1 AND 2 HOUR RATED SINGLE PIPE THROUGH GYP. BOARD**
NO SCALE

* NOTE

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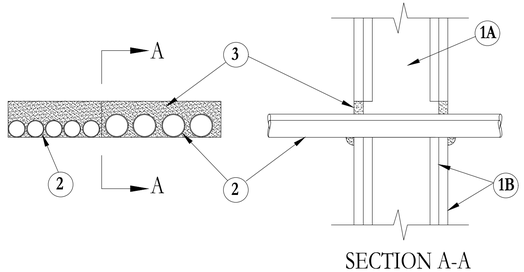
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

SYSTEM NO. W-L-1228

F RATINGS--1 AND 2 HR
T RATINGS--0, 1/2, 1 HR (SEE ITEM 3)



SECTION A-A

1. Wall Assembly - The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner
described in the individual U400 series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs - Wall framing shall consist of min 3-5/8 in. wide steel channel studs spaced max 24 in. OC.
B. Gypsum Board* - Thickness, type, number of layers and fasteners shall be as specified in the individual U400 series Wall and Partition Design in the UL Fire Resistance Directory. Max area of opening is 67-1/2 sq. in. with max dimension of 22-1/2 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 Penetrant - One or more nom 2 in. diam (or smaller) rigid steel conduit or electrical metallic tubing (EMT) installed either concentrically or eccentrically within the firestop system. The annular space between conduits or tubing and periphery of opening shall be min 0 in. (point contact) to max 1-1/4 in. The space between conduits or tubing shall be min 1/4 in. to max 1 in. Conduit or tubing to be rigidly supported on both sides of wall assembly.
3. Fill,Void or Cavity Material* - Caulk - Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Min 1/2 in. diam bead of caulk applied to the penetrant/gypsum board interface at the point contact location on both sides of wall.
The hourly T Rating of the firestop system is 0 Hr when used in 1 Hr rated assemblies.The T Rating for 2 Hr rated assemblies is 1/2 and 1 Hr for FireDam 150+ and CP-25WB+, respectively.
MINNESOTA MINING & MFG CO - CP 25WB+, FireDam 150+
*Bearing the UL Classification Mark

CONSULT CURRENT UNDERWRITERS LABORATORIES "FIRE RESISTANCE DIRECTORY" FOR DETAILS.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, however, since the conditions of use and application are beyond our control, 3M shall not be liable for any damage, direct or consequential, resulting from the use of this material or design . 3M's only warranty shall be to replace any of our products proved to be defective.

PAGE	UL SYSTEM NO.
1 OF 1	WL-1228

3M Fire Protection Products

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4 / A14.0 **1 AND 2 HOUR RATED MULTIPLE PIPE THROUGH GYP. BOARD**
NO SCALE

*** NOTE**
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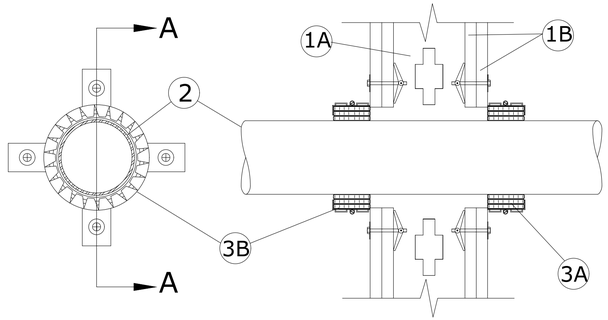
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

System No.W-L-2147

November 20, 2009
F Rating - 1 And 2 Hr (See Item 1)
T Rating - 1 And 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, U400 or V400 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 channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
B. Gypsum Board* - Thickness, type, number of layers and fasteners as required in the individual Wall and Partition Design. Max diam of opening is 5 in. (127 mm).

The hourly F and T Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

2. Through Penetrants - One nonmetallic pipe or conduit to be centered within opening with a nom 1/4 in. (6 mm) annular space between pipe or conduit and periphery of opening. Pipe or conduit to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic pipes or conduits may be used:

A. Polyvinyl Chloride (PVC) Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid core or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
B. Rigid Nonmetallic Conduit*+ - Nom 4 in. (102 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA No. 70).
C. Chlorinated Polyvinyl Chloride (CPVC) Pipe - Nom 4 in. (102 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.
D. Acrylonitrile Butadiene Styrene (ABS) Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid core or cellular core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
E. Fire Retardant Polypropylene (FRPP) Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 40 FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.

3. Firestop System - The details of the firestop system shall be as follows:

A. Fill,Void or Cavity Materials* - Wrap Strip - Nom 1/8 in. (3.2 mm) thick intumescent material supplied in 2 in. (51 mm) wide strips. Wrap strip tightly wrapped around nonmetallic pipe with continuous layers and butted tightly against both surfaces of the wall. The min number of layers required is dependent upon the nom diam of the pipe. For nom 2 in. (51 mm) diam (and smaller) pipes, one layer is required. For nom 2-1/2 in. and 3 in. (62 and 76 mm) diam pipes, two layers are required. For nom 3-1/2 in. and 4 in. (89 and 102 mm) diam pipes, three layers are required. Wrap strip layers temporarily held in position using aluminum foil tape, steel wire tie, or equivalent.

3M COMPANY - Ultra GS

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PROJECT	SHT of .DWG	SIGNATURE	DATE
SYSTEM/DESIGN NO. W-L-2147	DATE	NOT FOR USE AS CONSTRUCTION DOCUMENT. DRAWING NOT TO SCALE.	All statements, technical information recomendations contained herein are based on tests we believe to be reliable. However since the conditions of use are beyond our control, 3M shall not be liable for any damage direct or consequential resulting from the use of this material or design. 3M's only warranty shall be to replace our products proved to be defective.

2 / A14.0 **1 AND 2 HOUR RATED NON-METALIC PIPE THROUGH GYP. BOARD**
NO SCALE

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
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SCALE: AS NOTED
PROJECT #: 23053
CAD DWG FILE: A14.0

10/18/2024
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AR12546

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PAGE OF

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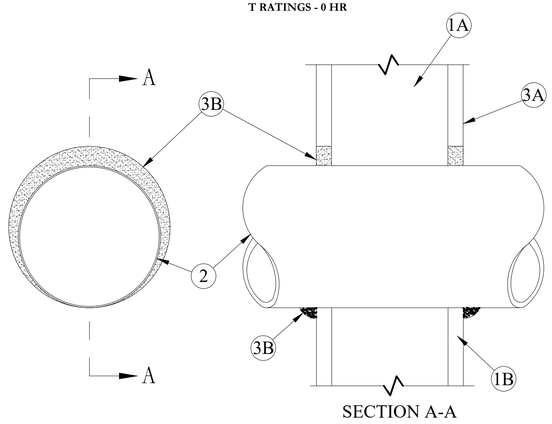
SYSTEM NO. W-L-7032
F RATING - 1 HR
T RATINGS - 0 HR



SECTION A-A

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. **Wall Assembly** - The 1 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 shall consist of either wood or steel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced max 16 in. OC. Steel studs to be min 3-1/2 in. wide and spaced max 24 in. OC.
B. Gypsum Board* - One layer of min 5/8 in. thick wallboard as required in the individual Wall and Partition Design. Max diam of opening is 7 in.
2. **Steel Vent Duct** - Nom 6 in. diam (or smaller) No. 28 gauge (or heavier) galv steel duct to be installed either concentrically or eccentrically within the firestop system. An annular space of min 0 in. (point contact) to max 1 in. is required within the firestop system. Duct to be rigidly supported on both sides of wall assembly.
3. **Fill,Void or Cavity Material* - Caulk** - Min 5/8 in. thickness of fill material applied within annulus, flush with both surfaces of wall assembly. At the point contact location between duct and wallboard, a min 1/2 in. diam bead of sealant shall be applied at the wallboard/duct interface on both surfaces of wall assembly.
MINNESOTA MINING & MFG CO - CP 25WB+
*Bearing the UL Classification Marking

CONSULT CURRENT UNDERWRITERS LABORATORIES "FIRE RESISTANCE DIRECTORY" FOR DETAILS.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, however, since the conditions of use and application are beyond our control, 3M shall not be liable for any damage, direct or consequential, resulting from the use of this material or design . 3M's only warranty shall be to replace any of our products proved to be defective.

PAGE	UL SYSTEM NO.
1 OF 1	W-L-7032

3M Fire Protection Products

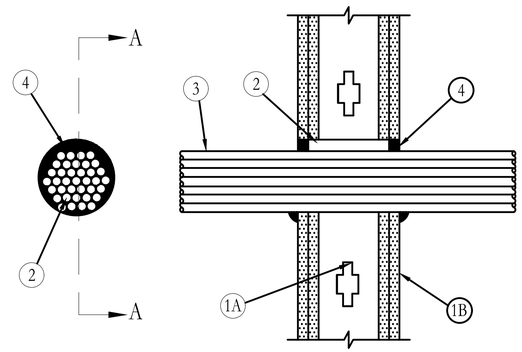
NOT FOR USE AS A CONSTRUCTION DOCUMENT.
DRAWING NOT TO SCALE.

3 / A14.1 **1 HOUR RATED DUCT THROUGH GYP BOARD**
NO SCALE

* NOTE:

THIS MATERIAL WAS EXTRACTED BY 3M FIRE PROTECTION PRODUCTS FROM THE 2002 EDITION OF THE UL FIRE RESISTANCE DIRECTORY

SYSTEM NO. W-L-3195
* JUNE 2002
F RATINGS-- 1 & 2 HR (SEE ITEM 1)
T RATINGS-- 0 & 1/4 HR (SEE ITEM 1)



SECTION A-A

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. Wall Assembly - The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design 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 channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-1/2 in. wide spaced max 24 in. OC.
B. Gypsum Board* - The gypsum board 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 5 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. The hourly T Rating is 0 and 1/2 Hr for 1 and 2 Hr rated assemblies, respectively.
2. Steel Sleeve (Optional) - Cylindrical sleeve fabricated from min 0.018 in. thick (No. 28 gauge) galv sheet steel and having a min 1 in. lap along the longitudinal seam. Length of sleeve to be equal to or max 2 in. greater than the thickness of wall. Ends of sleeve to be flush with or extend a max 1 in. beyond each surface of wall.
3. Cables - Max 4 in. diam cable bundle installed eccentrically or concentrically within opening. Annular space between cable bundle and periphery of opening or sleeve to be min 0 in. (point contact) to max 1 in. Cable bundle to be rigidly supported on both sides of wall. The following types and sizes of cables may be used:
A. Max 200 pair No. 22 AWG (or smaller) copper conductor with polyvinyl chloride (PVC) insulation and jacketing material.
B. Max 1/C No. 350 kcmil (or smaller) copper conductor cable with cross-linked polyethylene (XLPE) or PVC jacket.
C. Max 7/C No. 12 AWG (or smaller) copper conductor power and control cables with XLPE or PVC insulation with XLPE or PVC jacket.
D. Max 3/C No. 2/0 AWG (or smaller) copper or aluminum conductor SER cables with XLPE or PVC insulation and jacket.
E. Max 4/C No. 2/0 AWG (or smaller) copper conductor, aluminum clad or steel clad TECK 90 cable with or without PVC jacketed.
F. Max 110/125 fiber optic (F.O.) cable with PVC insulation and jacket.
G. Max 3/C with ground No. 8 AWG (or smaller) copper conductor NM cable with PVC insulation and jacket.
H. Max RG/U coaxial cable with fluorinated ethylene insulation and jacket.
I. Max 4 pair No. 24 AWG (or smaller) copper conductor data cable with Hylar jacket and insulation.
J. Through Penetrating Product* - Any cables, Armored Cable+ or Metal Clad Cable+ currently Classified under the Through Penetrating Product category.
See **Through Penetrating Product** (XHLY) category in the Fire Resistance Directory for names of manufacturers
4. Fill,Void or Cavity Material* - Caulk - Min 5/8 in. thickness of caulk applied within annulus, flush with both surfaces of wall. Min 1/4 in. diam bead of caulk applied to gypsum board/cable bundle interface at point contact location on both sides of wall.
MINNESOTA MINING & MFG. CO. - IC 15WB
*Bearing the UL Classification Marking

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PAGE	UL SYSTEM NO.
1 OF 1	WL-3195

3M Fire Protection Products

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1 / A14.1 **1 AND 2 HOUR RATED MULTIPLE CABLE THROUGH GYP. BOARD**
NO SCALE

* NOTE:

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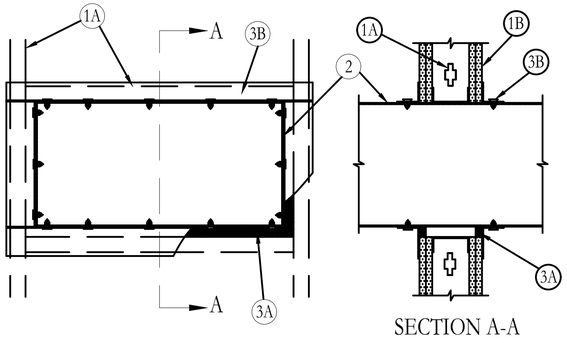
SYSTEM NO. W-L-7091
F RATINGS-- 1 & 2 HR (SEE ITEM 1)
T RATING-- 0 HR



SECTION A-A

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. Wall Assembly - The 1 or 2 hr fire rated gypsum board/steel-stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs - Wall framing shall consist of steel channel studs to be min 3-1/2 in. wide and spaced max 24 in. OC. Additional 3-1/2 in. wide steel studs shall be used to completely frame opening.
B. Gypsum Board* - Thickness, type, number of layers and fasteners as required in the individual Wall and Partition Design. Max size of opening to be 640 sq in. with a max dimension of 32 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. Steel Duct - Nom 30 in. by 18 (or smaller) No. 24 gauge (or heavier) galv steel duct installed concentrically or eccentrically within opening. Annular space between duct and periphery of opening to be min 0 in. (point contact) to max 2 in. Duct to be rigidly supported on both sides of wall assembly.
3. Firestop System - The firestop system shall consist of the following:
A. Fill,Void or Cavity Material* - Caulk - Min 5/8 in. thickness of caulk applied within annulus, flush with both surfaces of wall.
MINNESOTA & MFG. CO. - IC 15WB
B. Retaining Angles - Min 16 gauge galv steel angles sized to lap duct a min of 2 in. and lap wall surfaces a min of 1 in. Angles attached to duct on both sides of wall with min 1/2 in. long, No. 10 (or larger) sheet metal screws spaced a max 1 in. from each end and spaced a max 6 in. OC.
*Bearing the UL Classification Marking

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PAGE	UL SYSTEM NO.
1 OF 1	W-L-7091

3M Fire Protection Products
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4 / A14.1 **1 AND 2 HOUR RATED DUCT THROUGH GYP. BOARD**
NO SCALE

* NOTE:

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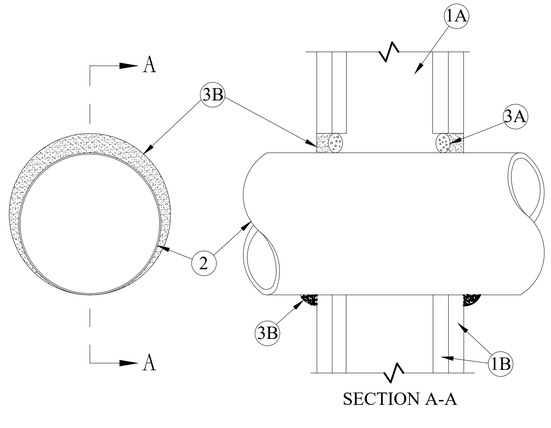
SYSTEM NO. W-L-7016
F RATING - 2 HR
T RATING - 0 HR



SECTION A-A

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. **Wall Assembly** - The 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 shall consist of either wood or steel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced max 16 in. OC. Steel studs to be min 3-1/2 in. wide and spaced max 24 in. OC.
B. Gypsum Board* - Thickness, type, number of layers and fasteners as required in the individual Wall and Partition Design. Max diam of opening is 5 in.
2. **Steel Vent Duct -** Nom 4 in. diam (or smaller) No. 28 gauge (or heavier) galv steel duct to be installed either concentrically or eccentrically within the firestop system. An annular space of min 0 in. (point contact) to max 1 in. is required within the firestop system. Duct to be rigidly supported on both sides of wall assembly.
3. **Firestop System** - The details of the firestop system shall be as follows:
A. Packing Material (Optional) - Polyethylene backer rod, mineral wool batt insulation or fiberglass batt insulation friction-fit into annular space and recessed from both surfaces of wall to accommodate the required thickness of fill material (Item 3B).
B. Fill,Void or Cavity Material* - Caulk - Min 1/2 in. thickness of fill material applied within annulus, flush with both surfaces of wall assembly. At the point contact location between duct and wallboard, a min 1/2 in. diam bead of sealant shall be applied at the wallboard/duct interface on both surfaces of wall assembly.
MINNESOTA & MFG CO - CP 25WB+
*Bearing the UL Classification Marking

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PAGE	UL SYSTEM NO.
1 OF 1	W-L-7016

3M Fire Protection Products

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2 / A14.1 **2 HOUR RATED DUCT THROUGH GYP. BOARD**
NO SCALE

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

KENNETH R. CARLSON - ARCHITECT, P.A.
1166 W. NEWPORT CENTER DR. SUITE #311
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Revisions:

DRAWN BY: FS/GJ
CHECKED BY: KRC
DATE: 10/16/2023
SCALE: AS NOTED
PROJECT #: 23093
CAD DWG FILE: A14.1

10/18/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

SHEET OF
A14.1
PAGE OF

* NOTE

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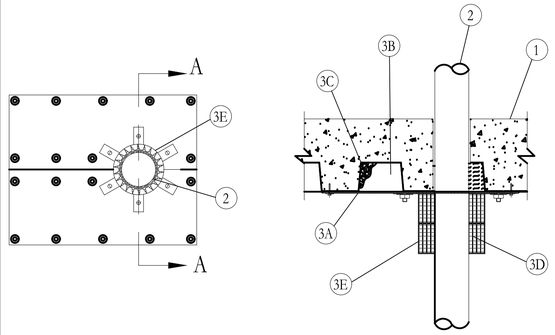
OF THE UL FIRE RESISTANCE DIRECTORY

SYSTEM NO. F-A-2055
F RATING--2 HR
T RATING--1 HR



SECTION A-A

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. **Floor Assembly** - The fire-rated unprotected concrete and steel floor assembly shall be constructed of the materials and in the manner specified in the individual D900 Series designs in the UL Fire Resistance Directory and as summarized below:
A. Concrete - Min 2-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete.
B. Steel Floor and Form Units* - Composite or non composite 1-1/2 in. deep fluted galv units as specified in the individual Floor-Ceiling design. Diam of opening through floor to be 1/4 in. to 1/2 in. larger than the outside diam of through penetrant (Item 2). Max size of opening is 7 in.
2. **Through Penetrants** - One nonmetallic pipe or conduit to be centered within the opening. The pipe or conduit was rigidly supported on both sides of the floor assembly. The following types and sizes of nonmetallic pipe or conduit may be used:
A. Polyvinyl Chloride (PVC) Pipe - Nom 6 in. diam (or smaller) Schedule 40 solid core or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
B. Rigid Nonmetallic Conduit++ - Nom 6 in. diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA No. 70).
C. Chlorinated Polyvinyl Chloride (CPVC) Pipe - Nom 6 in. diam (or smaller) SDR17 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
D. Acrylonitrile Butadiene Styrene (ABS) Pipe - Nom 6 in. diam (or smaller) Schedule 40 solid core or cellular core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
E. Fire Retardant Polypropylene (FRPP) Pipe - Nom 6 in. diam (or smaller) Schedule 40 FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
3. **Firestop System** - The details of the firestop system shall be as follows:
A. Metal Plate Enclosure - Min 16 gauge galv steel plate. The width of plate to extend a min of 3 in. beyond both sides of the opening. Length of plate (transverse to steel floor unit direction) to extend to steel floor unit valley beyond each side of core-drilled hole with a min lap of 1-1/2 in. on the floor unit valley at each end. The circular cutout in plate to be 1/2 in. larger than the outside diam of through penetrant. Max diam of opening is 7 in. Plate to be cut in half along the length of plate to permit installation around the nonmetallic pipe. Plate to be secured to valleys of floor unit using min 1/4 in. diam by 1-3/4 in. long steel expansion bolts, or equivalent. Fasteners to be located approx 1 in. from edges of plate at each corner, at each plate/valley intersection and at both sides of cut made to permit installation around nonmetallic pipe. When plate seam is located beneath the crest of the steel deck, a 2 in. wide 16 ga galv steel plate to be centered over seam and attached to plate with min No. 10 sheet metal screws, max 3 in. OC on both sides of seam.
B. Fill,Void or Cavity Material* - Caulk - Min 1/4 in. thickness of caulk applied into flutes of steel floor units above metal plate enclosure to completely cover packing material (Item 3). Caulk may also be used as an option within the annular space on the top side of the floor.
MINNESOTA MINING & MFG CO. - CP 25WB+
C. Packing Material - Min 4 pcf mineral wool batt insulation firmly packed into flutes of steel floor units above metal plate enclosure to completely fill cavities. Packing material to be recessed within flutes from both edges of metal plate - enclosure to accommodate the required thickness of fill material. Min 1/2 in. thickness of min 4 pcf mineral wool batt insulation firmly packed into annular space, flush with bottom of floor.
D. Fill,Void or Cavity Materials* - Wrap Strip -- Nom 1/8 in. thick flexible intumescent material supplied in 2 in. wide strips. Min four continuous layers of wrap strip tightly wrapped around nonmetallic pipe and butted tightly against the bottom of metal plate enclosure. An additional stack of four continuous layers of wrap strip tightly wrapped around nonmetallic pipe and butted tightly against the first layers of wrap strip.
MINNESOTA MINING & MFG CO. - Ultra GS
E. Steel Collar - Two nom 2 in. deep collar with 1-1/4 in. wide by 2 in. long anchor tabs and min 1/2 in. long tabs to retain wrap layers. Coils of precut 0.016 in. thick (28 gauge) galv sheet steel available from wrap manufacturer. Collars may also be field-fabricated from min 0.016 in. thick (28 gauge) galv sheet steel in accordance with instruction sheet supplied by wrap strip manufacturer. Steel collars wrapped tightly around wrap strip layers with min 1 in. overlap at seams, with anchor tabs on upper collar bent outward 90 degrees for securement to metal plate. Anchor tabs for lower collars to overlap onto upper collars. Collars to be compressed around wrap strip layers using a min 1/2 in. wide by 0.028 in. thick stainless steel band clamp at each collars mid-height. Upper collar to be secured to floor surface with 1/4 in. diam by min 1-1/2 in. long steel expansion bolts, or equivalent, in conjunction with steel nuts and min 1-1/4 in. diam steel fender washers. Where the anchor tabs are beneath the crest of the steel deck, the anchor tabs are to be secured to the metal enclosure with No. 10 by min 1/2 in. long self-drilling, self tapping steel screws and min 1-1/4 in. diam steel fender washers. Min of six anchor bolts, symmetrically located required.
*Bearing the UL Classification Marking
++Bearing the UL Listing Mark

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3M Fire Protection Products

PAGE	UL SYSTEM NO.
1 OF 1	FA-2055

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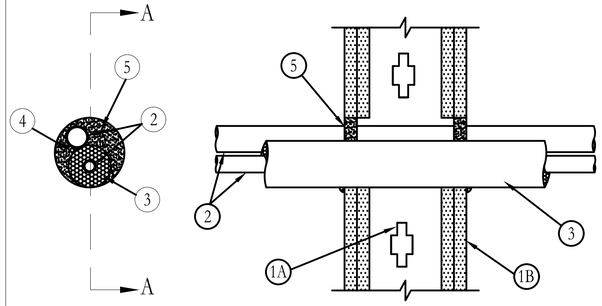
3 / A14.2 **2 HOUR RATED SINGLE PIPE THROUGH SLAB**
NO SCALE

* NOTE

THIS MATERIAL WAS EXTRACTED BY 3M FIRE PROTECTION PRODUCTS FROM THE 2002 EDITION
OF THE UL FIRE RESISTANCE DIRECTORY

SYSTEM NO. W-L-8039
F RATINGS-- 1 & 2 HR (SEE ITEM 1)
T RATINGS-- 0 & 1/2 HR (SEE ITEM 1)



SECTION A-A

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. Wall Assembly - The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design 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 channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-1/2 in. wide spaced max 24 in. OC.
B. Gypsum Board* - The gypsum board 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 4 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. Th hourly T Rating is 0 and 1/2 Hr for 1 and 2 Hr rated assemblies, respectively.
2. Through Penetrants - A max of two pipes or tubes and one cable installed eccentrically or concentrically within the opening. Annular space between penetrants and periphery of opening to be min 0 in. (point contact) to max 1-1/2 in. Separation between penetrants to be min 0 in. (point contact) to max 1-1/2 in. Penetrants to be rigidly supported on both sides of the wall. The following types and sizes of penetrants
may be used:
A. Copper Tubing - Nom 1 in. diam (or smaller) Type L (or heavier) copper tubing.
B. Copper Pipe - Nom 1 in. diam (or smaller) Regular (or heavier) copper pipe.
C. Steel Pipe - Nom 1 in. diam (or smaller) Schedule 5 (or heavier) steel pipe.
D. Cables - Max 7/C No. 12 AWG multiconductor power and control cables; XLPE or PVC insulation with XLPE or PVC jacket.
3. Tube Insulation-Plastics+ - Nom 3/4 in. thick (or less) acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. The tube insulation may be installed on a max of one pipe or tube. Annular space between the tube insulation and periphery of opening to be min 0 in. (point contact) to max 1-1/2 in. Space between insulated and uninsulated penetrants to be 0 in. (point contact) to max 1-1/2 in.
See **Plastics** (QMFZ2) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5A may be used.
4. Cables - Max two 7/C (or less) No. 12 AWG (or smaller) multiconductor power and control cables with XLPE or PVC insulation with XLPE or PVC jacket. Cables to be spaced min 0 in. (point contact) to max 1 in. from the insulated through penetrants and min 1/2 in. to max 1 in. from non-insulated through penetrants. The space between the cables and the periphery of the opening shall be min 0 in. (point contact) to max 1 in. Cables to be rigidly supported on both sides of wall assembly.
5. Fill,Void or Cavity Material* - Caulk - Min 5/8 in. thickness of caulk applied within annulus, flush with both surfaces of wall. Min 1/4 in. diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall.
MINNESOTA & MFG. CO. - IC 15WB
* Bearing the UL Classification Marking

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3M Fire Protection Products
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1 OF 1	W-L-8039

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DRAWING NOT TO SCALE.

1 / A14.2 **1 AND 2 HOUR RATED A/C LINE SET THROUGH GYP. BOARD**
NO SCALE

ONLINE DIRECTORIES

BXUVC.U415
Fire-resistance Ratings

Page Bottom

BXUVC - Fire-resistance Ratings

See General Information for Fire-resistance Ratings

Design No. U415

November 10, 2015

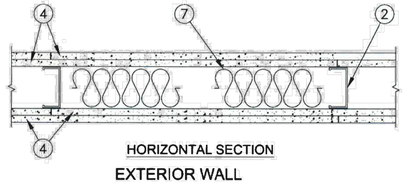
(For Exterior Walls, Ratings Applicable

For Exposure To Fire On Interior Face Only,

(See Items 2, 4 and 5)

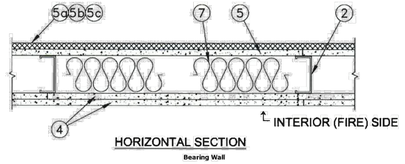
Assembly Rating - 3/4, 1, 1-1/2 or 2 h

INTERIOR WALL



HORIZONTAL SECTION

EXTERIOR WALL



HORIZONTAL SECTION

Bearing Wall

1. **Floor and Ceiling Runners** — (Not Shown) — Channel shaped runners, fabricated from min 0.83 mm bare metal thickness (20 MSG) galvanized steel, min 92 mm deep with 32 mm flanges. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 610 mm OC.

2. **Steel Studs** — Min 0.83 mm bare metal thickness (20 MSG) galvanized steel studs, min 92 mm deep by 41 mm wide with 13 mm returns, designed in accordance with the current edition of North American Specification for the Design of Cold-Formed Steel Structural Members (CSA Standard S136). All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing shall not exceed 610 mm OC. Studs attached to floor and ceiling runners with 13 mm long Type S-12 steel screws on both sides of the studs or by welded or bolted connections designed in accordance with CSA- S136 specifications.

BAILEY METAL PRODUCTS LTD

3. **Lateral Support Members** — (Not Shown) — Where required for lateral support of studs, support may be provided by means of steel straps, channels or other similar means as specified in the design of a particular steel stud wall system.

4. **Gypsum Board** — Gypsum panels applied vertically with joints between layers staggered. Outer layer of 3 layer construction may be applied horizontally unless specified below. The thickness and number of layers and percent of design load for the ¾ hr, 1 hr, 1-1/2 hr, and 2 hr ratings are as follows:

Interior Walls

Rating	Wallboard Protection on Both Sides of Wall- No. of Layers & Thickness of Wallboard Panel	% of Design Load
¾ hr	1 layer, 12.7 mm thick*	100
1 hr	1 layer, 15.9 mm thick*	100
1-1/2 hr	2 layers, 12.7 mm thick*	100
2 hr	2 layers, 15.9 mm thick*	80
2 hr	3 layers, 12.7 mm thick*	100
2 hr	2 layers, 19 mm thick*	100

* Ratings applicable to assemblies serving as exterior walls where ULC classified fire resistive gypsum sheathing type wallboard is substituted on the exterior face.

Exterior Walls

Rating	Wallboard Protection on on Interior Side of Wall- No. of Layers & Thickness of Wallboard Panel	% of Design Load
¾ hr	1 layer, 15.9 mm thick	100
1 hr	2 layers, 12.7 mm. thick	100
1-1/2 hr	2 layers, 15.9 mm thick	100
2 hr	3 layers, 12.7 mm thick	100
2 hr	2 layers, 19 mm thick	100

CERTAINTEED GYPSUM INC — 12.7 mm thick Type C, or 15.9 mm thick Type C

CGC INC — 12.7 mm thick Type IP-X2, IPC-AR, C, WRC, or 15.9 mm thick Type SCX, SHX, WRX, IP-X1, AR, C, IP-AR, IP-X2, IPC-AR, ULX, or WRC; 19 mm thick Types AR, IP-AR, IP-X3, ULTRACODE

NATIONAL GYPSUM CO — 12.7 mm thick Types FSW-C, FSK-C or 15.9 mm thick Type FSW, FSW-S, FSK-C

5. **Gypsum Sheathing** — For exterior walls, 12.7 mm or 15.9 mm thick Classified or unclassified exterior gypsum sheathing applied vertically and attached to studs and runner tracks with 25 mm long Type S-12 bugle head screws spaced 305 mm OC, along studs and tracks. One of the following exterior facings is to be applied over the gypsum sheathing.

A. **Siding, Brick or Stucco** — Aluminum siding, steel siding, brick veneer, or stucco attached to studs over gypsum sheathing and meeting the requirements of local code agencies. When a min 95 mm thick brick veneer facing is used, the Exterior Wall Rating is applicable with exposure on either

face. Brick veneer wall attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

B. **Fiber-Cement Siding** — Fiber-cement exterior sidings including smooth and patterned panel or lap siding.

C. **Wood Structural Panel or Lap Siding** — Exterior, plywood, OSB or composite panels with veneer faces and structural wood core, inclucing textured, rough sawn, medium density overlay, brushed, grooved and lap siding.

6. **Fasteners** — (Not Shown) — Screws used to attach wallboard to studs: self-tapping bugle head sheet steel type, spaced 305 mm O.C. First layer Type S-12 by 25 mm long for 12.7 mm and 15.9 mm thick wallboards and 32 mm long for 19 mm thick wallboard. Second layer Type S-12 by 42 mm long for 12.7 mm and 15.9 mm thick wallboards and 57 mm long for 19 mm thick wallboard. Third layer Type S-12 by 47 mm long.

7. **Batts and Blankets** — Placed in stud cavities of all exterior walls. May or may not be used in interior walls. Any glass fiber or mineral wool batt material bearing the ULC Classification Marking as to Fire Resistance, of a thickness to completely fill stud cavity.

See **Batts and Blankets** (BZJZC) Category for names of Classified companies.

8. **Joint Tape and Compound** — (Not Shown) — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layer. Perforated paper tape, 50 mm wide, embedded in first layer of compound over all joints of outer layer.

9. **Furring Channels** — (Optional, not shown, for single or double layer systems) — Resilient furring channels fabricated from min 0.45 mm (25 MSG) corrosion-protected steel, spaced vertically a max of 610 mm OC. Flange portion attached to each intersecting stud with 12.7 mm long Type S-12 steel screws.

10. **Wall and Partition Facings and Accessories** — (Optional, Not Shown) — For use with Item 1, Item 2, Item 3, Item 4, Item 5, Item 7, Item 8 and Item 9. For maximum fire rating of 1 hour. On one side of the wall, over the first layer of Gypsum Board (Item 4), install ReflexKor membrane with the gold side facing outwards. Membrane installed with T50 staples spaced 305 mm on center in both directions as per manufacturer's instructions, seams in membrane to be overlapped by 50 mm. When ReflexKor membrane is used an additional layer of Gypsum Board that is identical to the one used in the first layer and as specified in Item 4 shall be installed over the membrane. The additional layer of Gypsum Board to be installed through the membrane to the stud as specified in Item 4 except the fastener length shall be increased by a minimum of 16 mm. Install Batts and Blankets in the stud cavity as per Item 7. On the other side of the wall prior to the installation of the Gypsum Board install Resilient Channels , min 0.45 mm (25 MSG), spaced vertically 610 mm OC, flange portion screw attached to one side of studs with 32 mm long diamond shaped point, double lead Phillips head steel screws. Over the Resilient Channels install 19 mm thick SONOpan panel secured to the Resilient Channels with drywall screws and washers spaced at 406 mm OC on the perimeter of the panel and 204 mm OC in the field of the panel. Over the SONOpan panel install the same Gypsum Board as specified in Item 4 with the fastener length increased by minimum 19 mm. Not evaluated or intended as a substitute for the required layer(s) of ULC Classified Gypsum Board.

MSL — ReflexKor membrane, SONOpan panel

Last Updated on 2015-11-10

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4 / A14.2 **1 HR RATED WALL / UL 415**

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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Revisions:

DRAWN BY: FB/GJ
CHECKED BY: KRC
DATE: 10/16/2023
SCALE: AS NOTED
PROJECT #: 23053
CAD DWG FILE: A14.2

10/18/2024
CONSTRUCTION DOCUMENTS

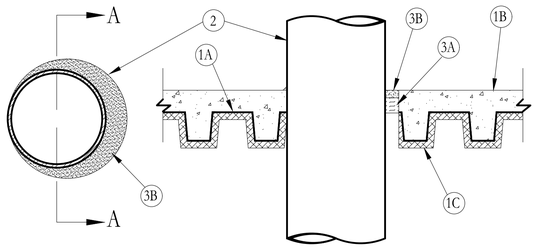
KENNETH R. CARLSON
AR12546

SHEET OF
A14.2
PAGE OF

* NOTE

THIS MATERIAL WAS EXTRACTED BY 3M FIRE PROTECTION PRODUCTS FROM THE 2002 EDITION OF THE UL FIRE RESISTANCE DIRECTORY

SYSTEM NO. F-A-1019
F RATING-- 4 HR
T RATING-- 0 HR



SECTION A-A

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. Floor Assembly - The 4 Hr fire-rated concrete and steel floor assembly shall be constructed of the materials and in the manner specified in the individual D700 series design in the UL Fire Resistance Directory and as summarized below:
A. Steel Floor and Form Units* - Composite or non-composite 3 in. deep fluted galv units as specified in the individual floor/ceiling design. Max size of opening is 25-1/4 in.
B. Concrete - Min 3 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete.
C. Spray-Applied Fire Resistive Materials* - Min 11/16 in. thickness spray-applied fire resistive material applied to all surfaces of steel floor units.
W R GRACE & CO - CONN CONSTRUCTION PRODUCTS DIV - Type MK-6/HY
2. Through Penetrants - One metallic pipe, tubing or conduit to be installed within the opening. Pipe to be rigidly supported on both sides of floor-ceiling assembly. The following types and sizes of metallic pipes, tubing or conduit may be used:
A. Steel Pipe - Nom 10 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
B. Steel Pipe - Nom 24 in. diam (or smaller) Schedule 40 (or heavier) steel pipe.
C. Iron Pipe - Nom 24 in. diam (or smaller) cast or ductile iron pipe.
D. Copper Tube - Nom 6 in. diam (or smaller) Type M (or heavier) copper tube.
E. Copper Pipe - Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.
F. Conduit - Nom 6 in. diam (or smaller) rigid steel conduit.
G. Conduit - Nom 4 in. diam (or smaller) electrical metallic tubing.
3. Firestop System - The firestop system shall consist of the following:
A. Packing Material - Min 2 in. thickness of min 4 pcf density mineral wool batt insulation firmly packed into the annular space and recessed to accommodate the required thickness of fill material.
B. Fill,Void or Cavity Material* -Caulk - Min 3/4 in. thickness of caulk applied within the annulus, flush with the top surface of the floor. An additional 1/2 in.diam bead of caulk applied to the penetrant/concrete interface at point contact location on top surface of the floor.
MINNESOTA MINING & MFG CO - CP 25WB+
*Bearing the UL Classification Marking

CONSULT CURRENT UNDERWRITERS LABORATORIES "FIRE RESISTANCE DIRECTORY" FOR DETAILS.

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PAGE	UL SYSTEM NO.
1 OF 1	F-A-1019

3M Fire Protection Products

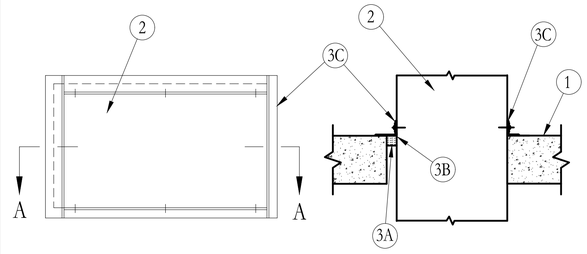
NOT FOR USE AS A CONSTRUCTION DOCUMENT. DRAWING NOT TO SCALE.

3 A14.3 **1, 2, AND 3 HOUR RATED INSULATED AND NON-INSULATED PIPE THROUGH SLAB**
NO SCALE

* NOTE

THIS MATERIAL WAS EXTRACTED BY 3M FIRE PROTECTION PRODUCTS FROM THE 2002 EDITION OF THE UL FIRE RESISTANCE DIRECTORY

SYSTEM NO. C-AJ-7016
F RATING - 2 & 3 HR (SEE ITEM 1)
T RATING - 0 HR



SECTION A-A

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. Floor or Wall Assembly - Min 2-1/2 in. thick or min 4-1/2 in. thick lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. The F Rating is 2 hr and 3 hr for min 2-1/2 in. or min 4-1/2 in. thick assemblies. Max area of opening is 576 sq in. with max dimension of 36 in. for 2 hr assemblies and 544 sq in. with max dimension of 34 in. for 3 hr assemblies.
See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrants - One steel duct to be installed either concentrically or eccentrically within the firestop system. An annular space of min 0 in. (point contact) to max 4 in. is required within the firestop system for 2 hr assemblies and min 0 in. (point contact) to max 2 in. is required within the firestop system for 3 hr assemblies. Steel duct to be rigidly supported on both sides of floor or wall assembly. The following sizes of steel ducts may be used:
A. Steel Duct - Nom 32 in. by 14 (or smaller) No. 22 gauge (or heavier) galv steel duct.
B. Steel Duct - Nom 30 in. by 12 (or smaller) No. 24 gauge (or heavier) galv steel duct.
3. Firestop System - The firestop system shall consist of the following:
A. Packing Material - Nom 1 in. thickness of tightly packed mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of caulk fill material.
B. Fill,Void or Cavity Material* - Caulk - Min 1 in. thickness of fill material applied within annulus, flush with top surface of floor or both surfaces of wall assembly. At the point contact location between duct and concrete, a min 1/4 in. diam bead of sealant shall be applied to the concrete/duct interface on the top surface of floor and on both surfaces of wall assembly.
MINNESOTA MINING & MFG CO - CP 25WB+
C. Retaining Angles - Min 16 gauge galv steel angles sized to lap duct a min of 2 in. and lap top surface of floor or both surfaces of wall a min of 1 in. Angles attached to duct with min 1/2 in. long, No. 10 (or larger) sheet metal screws spaced a max of 1 in. from each end of duct and spaced a max of 6 in. OC.

*Bearing the UL Classification Marking

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, however, since the conditions of use and application are beyond our control, 3M shall not be liable for any damage, direct or consequential, resulting from the use of this material or design. 3M's only warranty shall be to replace any of our products proved to be defective.

PAGE	UL SYSTEM NO.
1 OF 1	C-AJ-7016

3M Fire Protection Products

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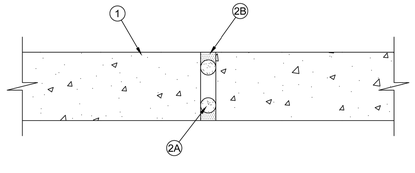
1 A14.3 **2 AND 3 HOUR RATED RECTANGULAR DUCT THROUGH SLAB**
NO SCALE

Classified by
Underwriters Laboratories, Inc.
to ANSI/UL 2079

System No. WW-D-0001
Assembly Ratings - 2 and 3 Hr (See Item 2B)
L Rating At Ambient - Less Than 1 CFM/LIN. Ft
L Rating At 400 F - Less Than 1 CFM/LIN. Ft
Nominal Joint Width - 1 In.
Class II Movement Capabilities - 12.5% Compression Or Extension



1. **Wall Assembly -** Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) structural concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***.
   See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers
2. **Joint System - Max width of joint (at time of installation of joint system) is 1 in. (25 mm). The joint system is designed to accommodate a max 12.5 percent compression or extension for its installed width.** The joint system shall consist of the following:
   A. **Packing Material -** Open or closed cell polyethylene or polyurethane foam backer rod installed in joint opening as a permanent form. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
   B. **Fill, Void or Cavity Material*- Sealant -** Fill material applied within the joint, flush with each surface of wall. Min 1/2 in. (13 mm) thickness required for 2 hr assembly rating. Min 1-1/2 in. (38 mm) thickness required for 3 hr assembly rating.
   SPECIFIED TECHNOLOGIES INC - Pensil 300 Sealant or SpecSeal Series SIL300 Sealant
   * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Specified Technologies Inc. 210 Evans Way Somerville, NJ 08876
Reproduced courtesy of Underwriters Laboratories, Inc.
Created or Revised: January 23, 2014
(800)992-1180 • (908)526-8000 • FAX (908)231-8415 • E-Mail:techserv@stifirestop.com • Website:www.stifirestop.com
WW-D-0001
PAGE 1 OF 1

4 A14.3 **2 HOUR RATED JOINT WIDTH- 1" MAX**

* NOTE

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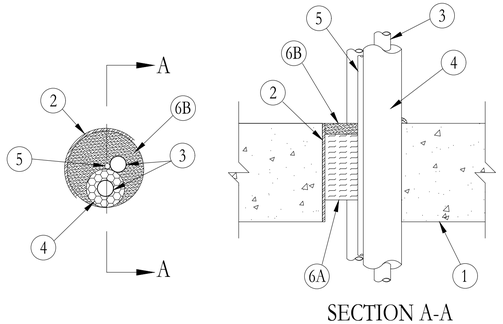
SYSTEM NO. C-AJ-8123
F RATING-- 2 HR
T RATING-- 0 HR



SECTION A-A

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. Floor or Wall Assembly - Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Floor assembly may also be constructed of any min 6 in. thick UL Classified hollow-core **Precast Concrete Units***. Wall may also be constructed of any **UL Classified Concrete Blocks***. Max diam of opening 4 in.
See **Concrete Blocks** (CAZT) and **Precast Concrete Units** (CFTV) categories in Fire Resistance Directory for names of manufacturers.
2. Steel Sleeve (Optional) - Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly. Steel sleeve may be installed flush or may project max 2 in. beyond the floor or wall surfaces.
3. Through Penetrants - A max of two pipes, conduits or tubes to be installed within the opening. Annular space between the penetrants and the periphery of the opening shall be min 0 in. (point contact) to max 2 in. Penetrants to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
A. Steel Pipe - Nom 1 in. diam (or smaller) Schedule 5 (or heavier) steel pipe.
B. Iron Pipe - Nom 1 in. diam (or smaller) cast or ductile iron pipe.
C. Conduit - Nom 1 in. diam (or smaller) rigid steel conduit or steel electrical metallic tubing (EMT).
D. Copper Pipe - Nom 1 in. diam (or smaller) regular (or heavier) copper pipe.
E. Copper Tube - Nom 1 in. diam (or smaller) Type L (or heavier) copper tube.
4. Tube Insulation-Plastics+ - A max of one pipe, tube or conduit to be provided with nom 3/4 in. thick (or less) acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. The annular space between the insulated penetrant and the periphery of the opening shall be min 0 in. (point contact) to max 2 in. The annular space between insulated penetrants and non-insulated penetrants shall be min 0 in. (point contact) to max 2 in.
See Plastics (QMFZ2) category in the Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5A may be used.
5. Cables - Max 7/C No. 12 AWG (or smaller) power and control cables with XLPE or PVC insulation with XLPE or PVC jacket. The annular space between the cable and the periphery of the opening shall be min 0 in. (point contact) to max 2 in. The annular space between cable and insulated penetrants shall be min 0 in. (point contact) to max 2 in. The annular space between cable and noninsulated penetrants shall be min 1/2 in. to max 2 in.
6. Firestop System - The details of the firestop system shall be as follows:
A. Packing Material - Min 3 in. thickness of min 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or top edge of sleeve or from both surfaces of wall or both ends of sleeve as required to accommodate the required thickness of fill material. In floors constructed of hollow-core concrete, packing material to be recessed from top and bottom surfaces of floor or sleeve as required to accommodate the required thickness of fill material.
B. Fill,Void or Cavity Materials* - Caulk - Min 1/2 in. thickness of caulk applied within the annulus, flush with top surface of floor or top edge of sleeve or with both surfaces of wall or both ends of sleeves. In floors constructed of hollow-core concrete, min 1/2 in. thickness of caulk applied within the annulus, flush with top and bottom surfaces of floor or sleeve. Min 1/4 in. diam bead of caulk applied to the penetrant/concrete or penetrant/sleeve interface at the point contact location on the top surface of floor or both surfaces of wall or hollow-core concrete.
MINNESOTA MINING & MFG. CO. - IC 15WB
* Bearing the UL Classification Marking
\+ Bearing the UL Recognized Component Mark

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PAGE	UL SYSTEM NO.
1 OF 1	C-AJ-8123

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3M Fire Protection Products

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2 A14.3 **2 HOUR RATED A/C LINE SET THROUGH SLAB**
NO SCALE

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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Revisions:

DRAWN BY: FB/GJ
CHECKED BY: KRC
DATE: 10/16/2023
SCALE: AS NOTED
PROJECT #: 23093
CAD DWG FILE: A14.3

10/18/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

SHEET OF
A14.3
PAGE OF

* NOTE

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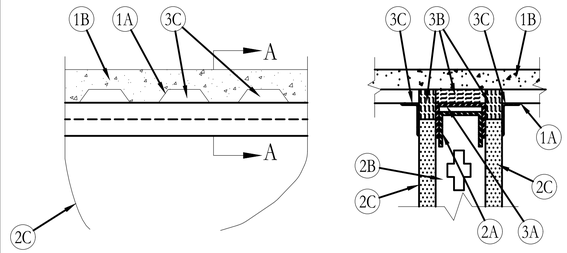
SYSTEM NO. HW-D-0101

ASSEMBLY RATING - 1 AND 2 HR (SEE ITEM 2)
L RATING AT AMBIENT - LESS THAN 1 CFM/LIN FT
L RATING AT 400º F -LESS THAN 1 CFM/LIN FT
NOMINAL JOINT WIDTH - 1 IN
CLASS II MOVEMENT CPABILITIES - 25% COMPRESSION OR EXTENSION



SECTION A-A

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. **Floor Assembly** - The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:
A. Steel Floor and Form Units* - Max 3 in. deep galv steel fluted units
B. Concrete - Min 2-1/2 in. thick reinforced concrete, as measured from the top plane of the floor units.
2. **Wall Assembly** - The 1 hr or 2 hr rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. Steel Floor and Ceiling Runners - Floor and ceiling runners of wall assembly shall consist of galv steel channels sized to accommodate steel studs (Item 2B). When deflection channel (Item 3A) is used, ceiling runner to be provided with 3 in. flanges. Ceiling runner installed within the deflection channel with 1 in. gap maintained between the top of ceiling runner and top of deflection channel. When deflection channel is not used, flange height of ceiling runner shall be min 3/4 in. greater than nom joint width. Ceiling runner installed perpendicular to direction of fluted steel floor units and secured to with steel fasteners or by welds spaced max 24 in. OC.
A1. Light Gauge Framing* - Slotted Ceiling Runner As an alternate to the ceiling runner in Item 2A, slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Slotted ceiling runner installed perpendicular to direction of fluted steel floor units and secured to valleys with steel fasteners spaced max 24 in. OC. When slotted ceiling runner is used, deflection channel (Item 3A) shall not be used.
METAL-LITE INC - The System
SLIPTRACK SYSTEMS INC - SLP-TRK
B. Studs - Steel studs to be min 3-1/2 in. wide. Studs cut 1/2 to 3/4 in. less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in ceiling runner without attachment. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 1/2 in. long wafer head steel screws at midheight of slot on each side of wall. Stud spacing not to exceed 24 in. OC.
C. Gypsum Board* - Gypsum board sheets installed to a min total thickness of 5/8 in. and 1-1/4 in. on each side of wall for 1 and 2 hr rated assemblies, respectively. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that a nom 1 in. gap shall be maintained between the top of the gypsum board and the bottom of the steel floor units and the top row of screws shall be installed into the studs 3-1/2 in. below the lower surface of the floor. The hourly fire rating of the joint system is equal to the hourly fire rating of the wall.
3. **Joint System - Max separation between bottom of floor and top of wall is 1 in.The joint system is designed to accommodate**
a max 25 percent compression or extension from its installed width. The joint system consists of a deflection channel, forming material and a fill material, as follows:
A. Deflection Channel (Optional)- A nom 3-5/8 in. wide by 3 in. deep min 24 ga steel U-shaped channel. Deflection channel installed perpendicular to direction of fluted steel floor units and secured to valleys with steel fasteners or by welds spaced max 24 in. OC. The ceiling runner (Item 2A) is installed within the deflection channel to maintain a 1 in. gap between the top of the ceiling runner and the top of the deflection channel. The ceiling runner is not fastened to the deflection channel.
B. Forming Material* - Min 4 in. thickness of min 4 pcf density mineral wool batt insulation cut to the shape of the fluted deck, approx 20 percent larger than the area of the flutes and compressed into flutes of the steel floor units between the top of the deflection channel and the steel deck. Additional pieces of min 4 pcf mineral wool batt insulation are to be cut to the contour of the flutes with an additional 1-3/8 in. high section at the bottom of the shapes to fill the 1 in. gap between the top of the gypsum board and the bottom of the steel floor units. The additional pieces of mineral wool are compressed and firmly packed into the flutes and the gap between the top of the gypsum board and the bottom of the steel floor units on both sides of the wall. The additional pieces shall be a 3/4 in. thick for a 1 hr rated design and a 1-1/2 in. thick for a 2 hr rated design.
FIBREX INSULATION INC - FBX Safing Insulation
OWENS CORNING HT INC, DIV OF OWENS CORNING - Safing Insulation/MW
ROCK WOOL MANUFACTURING CO - Delta Board or Delta-8
ROXUL INC - Type Safe
THERMAFIBER L L C - Type SAF
C. Fill,Void or Cavity Material* - Min 1/16 in. dry, (1/8 in. wet) thickness of fill material sprayed or brushed on each side of the wall in the flutes of the steel floor units and between the top of the gypsum board and the bottom of the steel floor units to completely cover mineral wool and overlap a min of 1/2 in. onto gypsum board and steel deck on both sides of wall.
MINNESOTA MINING & MFG CO - Firedam™ Spray 100, Fire Barrier Spray 100
*Bearing the UL Classification Mark

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, however, since the conditions of use and application are beyond our control, 3M shall not be liable for any damage, direct or consequential, resulting from the use of this material or design . 3M's only warranty shall be to replace any of our products proved to be defective.

PAGE	UL SYSTEM NO.
1 OF 1	HW-D-0101

3M Fire Protection Products
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3 A14.4 **1 AND 2 HOUR RATED HEAD OF WALL DETAIL**
NO SCALE

* NOTE

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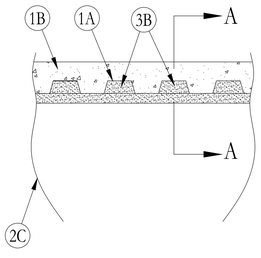
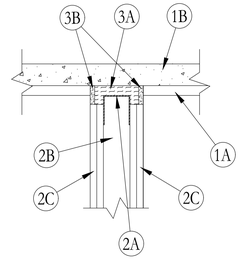
SYSTEM NO. HW-D-0011

ASSEMBLY RATINGS-- 1 AND 2 HR (SEE ITEM 2)
L RATING AT AMBIENT--LESS THAN 1 CFM/lin ft
L RATING AT 400º F--LESS THAN 1 CFM/lin ft
JOINT WIDTH-- 1 IN. MAX
MOVEMENT CAPABILITIES-- 25% COMPRESSION





SECTION A-A

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. **Floor Assembly** - The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:
A. Steel Floor And Form Units* - Max 1-2/3 in. deep min 22 ga galv or phos/painted steel fluted units.
B. Concrete - Min 3 in. thick reinforced concrete, as measured from the top plane of the floor units.
2. **Wall Assembly** - The 1 or 2 hr fire rated gypsum wallboard/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 - Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
A. Steel Floor And Ceiling Runners - Floor and ceiling runners of wall assembly shall consist of min 25 ga galv steel channels sized to accommodate steel studs (Item 2B). Ceiling runner to be provided with 1-1/4 in. flanges. Ceiling runner secured to valleys of steel floor units (Item 1A) with steel fasteners or by welds spaced max 24 in. OC.
B. Studs - Steel studs to be min 3-1/2 in. wide. Studs cut 1/2 to 3/4 in. less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in ceiling runner without attachment. Stud spacing not to exceed 24 in. OC.
C. Wallboard, Gypsum* - Wallboard sheets installed to a min total thickness of 5/8 in. and 1-1/4 in. on each side of wall for 1 and 2 hr rated assemblies, respectively. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that a nom 1 in. gap shall be maintained between the top of the wallboard and the bottom of the steel floor units and the top row of screws shall be installed into the studs 1-3/4 in. below the valleys of the steel floor units.
3. **Joint System - Max separation between bottom of floor and top of wall (at the time of installation of joint system) is 1 in.The**
joint system is designed to accommodate a max 25 percent compression from its installed width. The joint system consists of
a forming material and a fill material in the flutes of the steel floor units and between the top of the wallboard and bottom of the steel floor units, as follows:
A. Packing Material* - Min 3-1/2 in. thickness of min 4 pcf density mineral wool batt insulation for 1 hr Rated Design, min 4-1/2 in. thickness for 2 hr Rated Design, firmly packed into flutes of the steel floor units and between the top of the wallboard and bottom of the steel floor units, and recessed from each surface of wall to accommodate the required thickness of fill material.
B. Fill,Void or Cavity Material* - Min 1/2 in. thickness of fill material installed on each side of the wall in the flutes of the steel floor units and between the top of the wallboard and the bottom of the steel floor units (concrete floor), flush with each surface of wallboard.
MINNESOTA MINING & MFG. CO. - FB-2000
*Bearing the UL CLassification Marking

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, however, since the conditions of use and application are beyond our control, 3M shall not be liable for any damage, direct or consequential, resulting from the use of this material or design . 3M's only warranty shall be to replace any of our products proved to be defective.

PAGE	UL SYSTEM NO.
1 OF 1	HW-D-0011

3M Fire Protection Products
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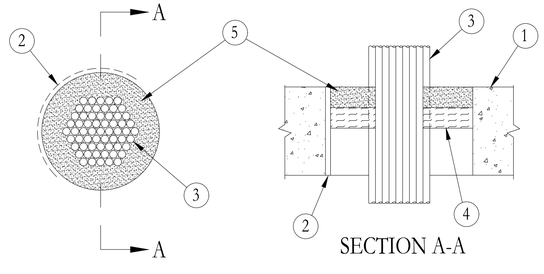
1 A14.4 **1 AND 2 HOUR RATED HEAD OF WALL DETAIL**
NO SCALE

* NOTE

THIS MATERIAL WAS EXTRACTED BY 3M FIRE PROTECTION PRODUCTS FROM THE 2002 EDITION OF THE UL FIRE RESISTANCE DIRECTORY

SYSTEM NO. C-AJ-3030

(FORMERLY SYSTEM NO. 320)
F RATINGS - 1 1/2, 2 and 3 HR (See Item 5)
T RATINGS - 0 HR
L Rating At Ambient - 129 CFM/sq. ft.
L Rating At 400º F - 92 CFM/sq. ft.



SECTION A-A

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. **Floor or Wall Assembly** - Min 2-1/2 in. thick lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL **Classified Concrete Blocks***. Max diam of opening is 8 in.
See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. **Sleeve (Optional)** - Nom 8 in. diam (or smaller) Schedule 40 (or heavier) steel pipe or nom 6 in. diam (or smaller) Schedule 40 polyvinyl chloride (PVC) pipe cast into floor or wall assembly. Sleeve to be flush with or project max 2 in. from top surface of floor or both surfaces of wall. When PVC sleeve is used, max cable conductor size is No. 12 AWG.
3. **Cables** - Aggregate cross-sectional area of cables to be min 10 percent to max 33 percent of the cross-sectional area of the opening. Cables to be rigidly supported on both sides of the floor or wall assembly. Any combination of the following types and sizes of cables may be used:
A. Max 1000 kcmil single-conductor copper or aluminum power cable; cross-linked polyethylene insulation.
B. Max No. 2/0 AWG multi conductor copper or aluminum power cables; cross-linked polyethylene, polyvinyl chloride, neoprene rubber, hypalon or silicone rubber insulation and jacket materials.
C. Max No. 12 AWG multi conductor copper control cables; cross-linked polyethylene, polyvinyl chloride, neoprene rubber, hypalon or silicone rubber insulation and jacket materials.
D. Max 400 pair No. 24 AWG copper telephone cables; polyvinyl chloride insulation and jacket materials.
E. Multiple fiber optical communication cable jacketed with PVC and having a max outside diam of 5/8 in.
4. **Packing Material** - Min 1 in. thickness of mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or sleeve or from both surfaces of wall or ends of sleeve as required to accommodate the required thickness of fill material (Item 5).
5. **Fill,Void or Cavity Material* - Caulk** - Applied to fill the through opening to a min thickness of 1 in. flush with the top surface of the floor or sleeve or both surfaces of wall or ends of sleeve. Caulk to be forced into interstices of cable group to max extent possible. F Rating of firestop systems is dependent upon the through opening size, the thickness of the concrete, the sleeve type and penetrant cable fill, as tabulated below:

Max Through Opening Diam In.	Min Concrete Thkns In.	Sleeve Type	% Cable Fill	F Rating Hr
6	2-1/2	PVC	15-40	2
6	2-1/2	PVC	10-15	3
6	4-1/2	PVC	10-40	3
6	4-1/2	None	10-40	3
6	4-1/2	Steel	10-40	3
8	2-1/2	None	15-40	1-1/2
8	4-1/2	None	15-33	2
8	2-1/2	None	10-15	3
8	2-1/2	Steel	15-40	1-1/2
8	2-1/2	Steel	10-15	3
8	4-1/2	Steel	10-22	3

MINNESOTA MINING & MFG CO - CP 25WB+.
*Bearing the UL Classification Marking

CONSULT CURRENT UNDERWRITERS LABORATORIES "FIRE RESISTANCE DIRECTORY" FOR DETAILS.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, however, since the conditions of use and application are beyond our control, 3M shall not be liable for any damage, direct or consequential, resulting from the use of this material or design . 3M's only warranty shall be to replace any of our products proved to be defective.

PAGE	UL SYSTEM NO.
1 OF 1	C-AJ-3030

3M Fire Protection Products
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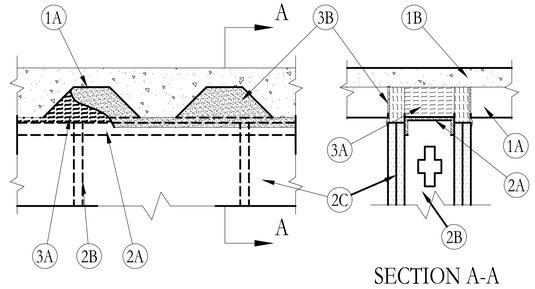
4 A14.4 **1 1/2 TO 3 HOUR RATED MULTIPLE CABLES THROUGH SLAB DETAIL**
NO SCALE

* NOTE

THIS MATERIAL WAS EXTRACTED BY 3M FIRE PROTECTION PRODUCTS FROM THE 2002 EDITION OF THE UL FIRE RESISTANCE DIRECTORY

SYSTEM NO. HW-D-0178

ASSEMBLY RATING - 1 AND 2 HR
NOMINAL JOINT WIDTH - 1 IN
CLASS II MOVEMENT CPABILITIES - 18.75% COMPRESSION OR EXTENSION



SECTION A-A

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. **Floor Assembly** - The fire rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:
A. Steel Floor and Form Units* - Max 3 in. deep galv steel fluted units.
B. Concrete - Min 2-1/2 in. thick reinforced concrete, as measured from the top plane of the floor units.
2. **Wall Assembly** - The 1 or 2 hr fire rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
A. Steel Floor and Ceiling Runners - Floor and ceiling runners of wall assembly shall consist of min 25 ga galv steel channels sized to accommodate steel studs. Ceiling runner to be provided with min 1-1/4 in. flanges. Ceiling runner secured to valleys of steel floor units with steel fasteners or by welds spaced max 12 in. OC.
B. Studs - Steel studs to be min 3-1/2 in. wide. Studs cut 5/8 in. less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in ceiling runner without attachment. Stud spacing not to exceed 24 in. OC.
C. Gypsum Board* - Gypsum board sheets installed to a min total thickness of 5/8 in. and 1-1/4 in. on each side of wall for 1 and 2 hr rated assemblies, respectively. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that a nom 1 in. gap shall be maintained between the top of the gypsum board and the bottom of the steel floor units and the top row of screws shall be installed into the studs 1 in. below the bottom of the ceiling runner.
The hourly fire rating of the joint system is equal to the hourly fire rating of the wall.
3. **Joint System - Max width of joint (at time of installation of joint system) is 1 in. The joint system is designed to accommodate a max 18.75 percent compression or extension from its installed width.** The joint system shall consist of the following:
A. Forming Material* - Min 4 in. thickness of min 4 pcf mineral wool batt insulation cut to the shape of the fluted deck, approx 20 percent larger than the area of the flutes and compressed into flutes of the steel floor units between the top of the ceiling runner and the steel deck and compressed in thickness to be flush with vertical leg of ceiling runner on both sides. Additional pieces of min 4 pcf mineral wool batt insulation are to be cut to the contour of the flutes with an additional 1-3/8 in. high section at the bottom of the shapes to fill the 1 in. gap between the top of the wallboard and bottom of the steel floor units. The additional pieces of mineral wool are to be cut to min 3/4 and 1-1/2 in. thick for 1 and 2 hr rated assemblies, respectively and compressed and firmly packed into the flutes and the gap between the top of the gypsum board and bottom of the steel floor units on both sides of the wall and compressed in thickness to be recessed from each surface of the wall to accommodate the required thickness of fill material.
FIBREX INSULATION INC - FBX Safing Insulation
OWENS CORNING HT INC, DIV OF OWENS CORNING - Safing Insulation/MW
ROCK WOOL MANUFACTURING CO - Delta Safing Board
THERMAFIBER L L C - Type SAF
B. Fill,Void or Cavity Material* - Caulk - Min 1/4 in. thickness of caulk installed on each side of the wall in the flutes of the steel floor units and between the top of the wall and the bottom of the steel floor units, flush with each surface of the gypsum board. An additional min 1/8 in. thickness of caulk to overlap onto gypsum board a min 1/2 in.
MINNESOTA MINING & MFG CO - FireDam 150+
*Bearing the UL Classification Mark

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, however, since the conditions of use and application are beyond our control, 3M shall not be liable for any damage, direct or consequential, resulting from the use of this material or design . 3M's only warranty shall be to replace any of our products proved to be defective.

PAGE	UL SYSTEM NO.
1 OF 1	HW-D-0178

3M Fire Protection Products
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2 A14.4 **1 AND 2 HOUR RATED HEAD OF WALL DETAIL**
NO SCALE

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
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AA C001818
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Revisions.

DRAWN BY: FS/JJ
CHECKED BY: KRC
DATE: 10/16/2023
SCALE: AS NOTED
PROJECT #: 23053
CAD DWG FILE: A14.4

10/18/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

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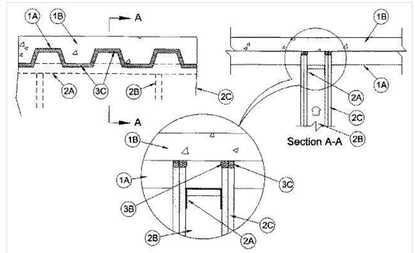
A14.4
PAGE OF

System No. HW-D-0103

September 01, 2016

ANSI/UL2079	CAN/ULC S115
Assembly Ratings — 1 and 2 Hr (See Item 2)	F Ratings — 1 and 2 Hr (See Item 2)
Nominal Joint Width — 3/4 In.	FT Ratings — 1 and 2 Hr (See Item 2)
Class II Movement Capabilities — 25% Compression	FH Ratings — 1 and 2 Hr (See Item 2)
L Rating At Ambient — Less Than 1 CFM/sq ft	FTH Ratings — 1 and 2 Hr (See Item 2)
L Rating At 400 F — Less Than 1 CFM/sq ft	Nominal Joint Width — 3/4 In.
	Class II Movement Capabilities — 25% Compression
	L Rating At Ambient — Less Than 1 CFM/sq ft
	L Rating At 400 F — Less Than 1 CFM/sq ft



1. **Floor Assembly —** The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700, D800 or D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:

A. **Steel Floor And Form Units* —** Max 3 in. (76 mm) deep galv steel fluted floor units.
B. **Concrete —** Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

C. **Spray-Applied Fire Resistive Material* —** (Optional, Not Shown) - After installation of the ceiling runner (Item 2A) or deflection channel (Item 3A), steel floor units to be sprayed with a min 5/16 in. (8 mm) to max 11/16 in. (17 mm) thickness of material in accordance with the specifications in the individual D700 or D800 Series Design. When spray applied fire resistive material is used, ceiling runner or deflection channel to be provided with 2 in. (51 mm) flanges. Excess material to be scraped from flanges of ceiling runner or deflection channel prior to installation of gypsum board.

ISOLATEK INTERNATIONAL — Type 300, Type II

GCP APPLIED TECHNOLOGIES INC — MK-6/HY

1A. **Roof Assembly —** (Not Shown) — As an alternate to the floor assembly (Item 1), a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P700, P800 or P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly fire rating of the roof assembly shall be equal to or greater than the hourly fire rating of the wall assembly. The roof assembly shall include the following construction features:

A. **Steel Roof Deck —** Max 3 in. (76 mm) deep galv steel fluted roof deck.

B. **Roof Insulation —** Min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the steel roof deck.

C. **Roof Covering* —** Hot-mopped or cold-application materials compatible with insulating concrete.

D. **Spray-Applied Fire Resistive Material* —** (Optional, Not Shown) - After installation of the ceiling runner (Item 2A) or deflection channel (Item 3A), steel floor units to be sprayed with a min 5/16 in. (8 mm) to max 11/16 in. (17 mm) thickness of material in accordance with the specifications in the individual P700 or P800 Series Design. When spray applied fire resistive material is used, ceiling runner or deflection channel to be provided with 2 in. (51 mm) flanges. Excess material to be scraped from flanges of ceiling runner or deflection channel prior to installation of gypsum board.

ISOLATEK INTERNATIONAL — Type 300, Type II

GCP APPLIED TECHNOLOGIES INC — MK-6/HY

2. **Wall Assembly —** The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. **Steel Floor And Ceiling Runners —** Floor and ceiling runners of wall assembly shall consist of galv steel channels sized to accommodate steel studs . Ceiling runner to be provided with min 1-1/4 in. (32 mm) to max 2 in. (51 mm) flanges. When deflection channel (Item 3A) is used, flange height of ceiling runner is to be equal to or greater than flange height of deflection channel and the ceiling runner is to nest within the deflection channel with a 1/2 in. (13 mm) to 3/4 in. (19 mm) gap maintained between the top of the ceiling runner and the top of the deflection channel. When deflection channel is not used, ceiling runner installed perpendicular to direction of fluted steel deck prior to the application of the sprayed-applied fire resistive material and secured to valleys with steel masonry anchors or welds spaced max 24 in. (610 mm) OC.

A1. **Light Gauge Framing* - Notched Ceiling Runner —** As an alternate to the ceiling runners in Items 2A and 2A1, notched ceiling runners to consist of C-shaped galv steel channel with notched return flanges sized to accommodate steel studs (Item 2B). Notched ceiling runner installed perpendicular to direction of fluted steel deck prior to the application of the sprayed-applied fire resistive material and secured to valleys with steel masonry anchors spaced max 24 in. (610 mm) OC. When notched ceiling runner is used, deflection channel (Item 3A) shall not be used.

OLMAR SUPPLY INC — Type SCR

A2. **Light Gauge Framing* — Slotted Ceiling Runner —** Slotted ceiling runner may be used as an alternate to the ceiling runner in Item 2A. Slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 3B). Ceiling runner installed perpendicular to direction of fluted steel deck prior to the application of the sprayed-applied fire resistive material and secured to valleys with steel masonry anchors spaced max 24 in. (610 mm) OC. When slotted ceiling runner is used, deflection channel (Item 3A) shall not be used.

BRADY CONSTRUCTION INNOVATIONS INC, DBA SLIPTRACK SYSTEMS — SLP-TRK

CALIFORNIA EXPANDED METAL PRODUCTS CO — CST

CLARKDIETRICH BUILDING SYSTEMS — Type SLT, SLT-H

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Type SLT

METAL-LITE INC — The System

RAM SALES L L C — RAM Slotted Track

A3. **Steel Framing Members* — Sound Isolation Clips —** (Not Shown) — As an alternate attachment means for the ceiling runner to the bottom of the floor or roof assembly when no deflection channel (Item 3A) is used, sound isolation clips installed in accordance with the accompanying installation instructions. Sound isolation clip installed through nom 1 in. (25 mm) diam hole in ceiling runner and attached to top of ceiling runner using four min No. 8 by 1/2 in. (13 mm) long self-tapping galv steel screws. Sound isolation clips to be installed adjacent to every stud location but not more than 24 in. (610 mm) OC and attached to the underside of floor or roof assembly using min 3/16 in. (5 mm) diam by 2 1/2 in. (64 mm) long steel masonry anchors.

PAC INTERNATIONAL L L C — Type RSIC-U-HD

B. **Studs —** Steel studs to be min 3-1/2 in. (89 mm) wide. Studs cut 1/2 in. (13 mm) to 3/4 in. (19 mm) less in length than assembly height with bottom nesting in and secured to floor runner. When deflection channel (Item 3A) is used, steel studs attached to ceiling runner with sheet metal screws located 1/2 in. (13 mm) below the bottom of the deflection channel. When deflection channel is not used, studs to nest in ceiling runner without attachment.

C. **Gypsum Board* —** Gypsum board sheets installed to a min total thickness of 5/8 in. (16 mm) and 1-1/4 in. (32 mm) on each side of wall for 1 and 2 hr fire rated assemblies, respectively. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that the gypsum board is cut to follow the contour of the steel floor units with a nom 3/4 in. (19 mm) gap maintained between the gypsum board and the steel deck or the spray-applied fire resistive material. In addition, the top row of screws shall be installed into the steel studs 1/2 to 1 in. (13 to 25 mm) below the bottom edge of the ceiling runner flange.

The hourly fire rating of the joint system is dependent on the hourly fire rating of the wall assembly in which it is installed.

3. **Joint System — Max separation between bottom of floor or roof deck and top of wall is 3/4 in. (19 mm). The joint system is designed to accommodate a max 25 percent compression from its installed width.** The joint system consists of the following:

A. **Deflection Channel —** (Optional, Not Shown) - Max 2 in. (51 mm) deep min 24 gauge galv steel channel sized to accommodate ceiling runner (Item 2A). Deflection channel installed perpendicular to direction of fluted steel deck prior to the application of the sprayed-applied fire resistive material and secured to valleys with steel masonry anchors or welds spaced max 24 in. (610 mm) OC. The ceiling runner is installed within the deflection channel to maintain a 1/2 in. (13 mm) to 3/4 in. (19 mm) gap between the top of the ceiling runner and the top of the deflection channel. The ceiling runner is not fastened to the deflection channel.

B. **Forming Material* —** (Not Shown) - In 2 hr fire rated wall assemblies, polyethylene foam backer rod, mineral wool or glass fiber insulation friction fit into joint opening and recessed minimum 1/2 in. (13 mm) from each surface of wall. When sound isolation clips (Item 2A4) are used to secure ceiling runner to underside of floor or roof in 1 or 2 hr fire rated wall assemblies, the space between the top of the ceiling runner and the underside of the floor or roof shall be tightly packed with mineral wool batt insulation. The forming material shall be recessed from each surface of wall to accommodate the required thickness of fill material. Forming material is required when sound isolation clips (Item 2A4) are used, but otherwise optional.

ROCK WOOL MANUFACTURING CO — Delta Safing

ROCKWOOL MALAYSIA SDN BHD — Safe

ROCKWOOL — Safe

1 A14.5 2 HOUR RATED HEAD OF WALL DETAIL

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
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Revisions:

DRAWN BY: RG/GJ
CHECKED BY: KRC
DATE: 10/16/2023
SCALE: AS NOTED
PROJECT #: 23093
CAD DWG FILE: A14.5

10/18/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

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A14.5
PAGE OF

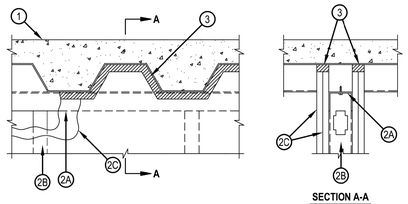
HWD 0076

System No. HW-D-0076

CLASSIFIED c UL us

Classified by Underwriters Laboratories, Inc. to UL 2079 and CAN/ULC-S115

ANSI/UL2079	CAN/ULC S115
Assembly Ratings — 1 and 2 Hr (See Items 2 and 3)	F Ratings — 1 and 2 Hr (See Items 2 and 3)
Nominal Joint Width - 3/4 In.	FT Ratings — 1 and 2 Hr (See Items 2 and 3)
Class II Movement Capabilities — 17% Compression or Extension	FH Ratings — 1 and 2 Hr (See Items 2 and 3)
	FTH Ratings — 1 and 2 Hr (See Items 2 and 3)
	Nominal Joint Width - 3/4 In.
	Class II Movement Capabilities — 17% Compression or Extension



SECTION A-A

1. Floor Assembly — The fire-rated fluted steel floor unit/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700 or D900 Series Floor-Ceiling Design in the Fire Resistance Directory and shall include the following construction features:
   A. Steel Floor and Form Units* — Max 3 in. (76 mm) deep galv steel fluted floor units.
   B. Concrete — Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.
   C. Spray-Applied Fire Resistive Materials — (Optional, Not Shown) — Prior to or after the installation of the ceiling runner and Fill, Void or Cavity Materials (Item 3), the steel floor units may be sprayed with a min 5/16 in. (8 mm) thickness to a max 11/16 in. (17 mm) of fire resistive material
      W R GRACE & CO - CONN — Type MK-6/HY
   1A. Roof Assembly — (Not Shown) — As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:
      A. Steel Roof Deck — Max 3 in. (76 mm) deep galv steel fluted roof deck.
      B. Roof Insulation — Min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the floor units.

HWD 0076

System No. HW-D-0076

1B. Roof Assembly — As an alternate to Items 1 and 1A, a fire rated protected fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P700 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:
   A. Steel Roof Deck — Max 3 in. (76 mm) deep galv steel fluted roof deck.
   B. Spray—Applied Fire Resistive Materials* — (Not Shown)—Prior to or after the installation of the steel ceiling runners, Forming Material and Fill, Void or Cavity Material (Items 2A, 3A, 3B), the roof assembly shall be sprayed with the type and thickness of fire resistive material indicated in the individual P700 Series design.

2. Wall Assembly — The 1 or 2 hr fire-rated gypsum board /steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Steel Floor and Ceiling Runners — Steel Floor and Ceiling Runners — Floor and ceiling runners of wall assembly shall consist of min No. 25 gauge galv steel channels sized to accommodate steel studs (Item 2B). Flange height of ceiling runner shall be min 1/4 in. (6 mm) greater than max extended joint widthCeiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors, steel fasteners or welds spaced 24 in. (610mm) OC before or after optional spray-applied fire resistive material is used. The use of welds to secure the ceiling runner may only be used prior to the installation of the optional spray-applied material.
   A1. Light Gauge Framing*-Slotted Ceiling Runner — As an alternate to the ceiling runner in Item 2A, slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Slotted ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors, steel fasteners or welds spaced 24 in. (610mm) OC before or after optional spray-applied fire resistive material is used. The use of welds to secure the ceiling runner may only be used prior to the installation of the optional spray-applied material.
      BRADY CONSTRUCTION INNOVATIONS INC, DBA SLIPTRACK SYSTEMS — SLP-TRK
      CALIFORNIA EXPANDED METAL PRODUCTS CO — CST
      CLARKDIETRICH BUILDING SYSTEMS — Type SLT, SLT-H
      MARINO/WARE, DIV OF WARE INDUSTRIES INC — Type SLT
      METAL-LITE INC — The System
      SCAFCO STEEL STUD MANUFACTURING CO
      TELLING INDUSTRIES L L C — True-Action Deflection Track
   A2. Light Gauge Framing*-Vertical Deflection Ceiling Runner — As an alternate to the ceiling runners in Items 2A and 2A1, vertical deflection ceiling runner to consist o/ galv steel channel with slotted vertical deflection clips mechanically fastened within runner. Slotted clips, provided with step bushings, for permanent fastening of steel studs. Flanges sized to accommodate steel studs (Item 2B). Vertical deflection ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors, steel fasteners or welds spaced 24 in. (610mm) OC before or after optional spray-applied fire resistive material is used. The use of welds to secure the ceiling runner may only be used prior to the installation of the optional spray-applied material.
      THE STEEL NETWORK INC — VertiTrack VTD250, VTD362, VTD400, VTD600 and VTD800
   A3. Light Gauge Framing* - Notched Ceiling Runner — As an alternate to the ceiling runners in Items 2A through 2A3, notched ceiling runners to consist of C-shaped galv steel channel with notched return flanges sized to accommodate steel studs (Item 2B). Notched ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors, steel fasteners or welds spaced 24 in. (610mm) OC before or after optional spray-applied fire resistive material is used. The use of welds to secure the ceiling runner may only be used prior to the installation of the optional spray-applied material.
      OLMAR SUPPLY INC — Type SCR
   B. Studs — Steel studs to be min 2-1/2 in. (64 mm) wide. Studs cut 1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in ceiling runner without attachment. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 1/2 in. (13 mm) long wafer head steel screws at midheight of slot on each side of wall. Stud spacing not to exceed 24 in. (610 mm) OC. When vertical deflection ceiling runner (Item 2A2) is used. Stud spacing not to exceed 24 in. (610 mm) OC. When vertical deflection clips, through the bushings, with steel screws at midheight of each slot. Stud spacing not to exceed 24 in. (610 mm) OC.

HWD 0076

System No. HW-D-0076

   C. Gypsum Board* — Gypsum board installed to a min total thickness 5/8 or 1-1/4 in. (16 or 32 mm) on each side of wall for 1 or 2 hr fire rated walls, respectively. Wall to be constructed as specified in the individual U400 or V400 Series Design in the UL Fire Resistance Directory, except that the gypsum board is cut to fit the contour of the steel floor units with a max 3/4 in. (19 mm) gap. The screws attaching the gypsum board to the studs at the top of the first layer shall be located 4 in. (102 mm) from the steel floor unit valleys. The screws attaching the second layer to the steel studs shall be installed into the studs 3-1/2 in. (89 mm) below the valleys of the steel floor units. The hourly fire rating of the joint system is dependent on the hourly ratings of the wall.
3. Fill, Void or Cavity Material* — Sealant — Max separation between bottom of floor and top of wall is 3/4 in. (19 mm) The joint system is designed to accommodate a max 17 percent compression or extension from its installed width. Min 1-1/4 in. (32 mm) thickness of fill material flush with the surface of the gypsum board for 2 hr fire rated systems or 5/8 in. (16 mm) thickness plus a 1/4 in. (6 mm) crown of fill material for 1 hr fire rated systems installed on each side of the wall between the top of the gypsum board and the bottom of the steel floor units.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP601S Elastomeric Firestop Sealant or CFS-S SIL GG Sealant

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

1 A14.6

2 HOUR RATED HEAD OF WALL DETAIL

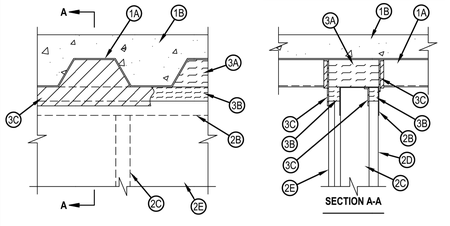
HWD 0569

System No. HW-D-0569

CLASSIFIED c UL us

Classified by Underwriters Laboratories, Inc. to UL 2079 and CAN/ULC-S115

ANSI/UL2079	CAN/ULC S115
Assembly Ratings — 1 and 2 Hr (See Item 2)	F Ratings — 1 and 2 Hr (See Item 2)
Nominal Joint Width - 1-1/2 In.	FT Ratings — 1 and 2 Hr (See Item 2)
Class II Movement Capabilities — 50% Compression and Extension	FH Ratings — 1 and 2 Hr (See Item 2)
L Rating At Ambient — Less Than 1 CFM/Lin Ft	FTH Ratings — 1 and 2 Hr (See Item 2)
L Rating At 400°F — Less Than 1 CFM/Lin Ft	Nominal Joint Width - 1-1/2 In.
	Class II Movement Capabilities — 50% Compression and Extension
	L Rating At Ambient — Less Than 1 CFM/Lin Ft
	L Rating At 400°F — Less Than 1 CFM/Lin Ft



SECTION A-A

1. Floor Assembly — The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700 or D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory. The floor assembly shall include the following construction features:
   A. Steel Floor and Form Units* — Max 3 in. (76 mm) deep galv fluted floor units.
   B. Concrete — Min 2-1/2 in. (64 mm) thick lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete, as measured from the top plane of the floor units.
   C. Spray-Applied Fire Resistive Materials* — (Optional, Not Shown) — Prior to or after installation of the steel ceiling runners (Item 2B) the steel floor units may be sprayed with a min 5/16 in. (8 mm) to max 1 3/4 in. (45 mm) thickness of fire resistive material.
      GCP APPLIED TECHNOLOGIES INC — Type MK-6 HY
      ISOLATEK INTERNATIONAL — Type 300
   D. Steel Attachment Clips — (Optional. Not Shown) - Used to secure ceiling runner when spray-applied fire resistive material is applied to floor units prior to installation of ceiling runner of wall. Z-shaped clips formed from 1 in. (25 mm) wide strips of min 20 ga galv steel. Clips to be sized to extend through the thickness of the spray-applied fire-resistive material on the floor units with 1-1/2 in. (38 mm) long upper and lower legs. Legs of clips fastened to bottom of roof deck (prior to application of spray-applied fire-resistive materials) with steel fasteners or welds. Clips spaced max 16 in. (406 mm) OC and extend to within 1/4 to 3/4 in. (6 to 19 mm) from the surface of the wall.
   1A. Roof Assembly — (Not Shown) — As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:
   A. Steel Roof Deck — Max 3 in. (76 mm) deep galv steel fluted roof deck.
   B. Roof Insulation — Min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the steel roof deck.
   1B. Roof Assembly — As an alternate to Items 1 and 1A, a fire rated protected fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P700 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:
   A. Steel Roof Deck — Max 3 in. (76 mm) deep galv steel fluted roof deck.
   B. Steel Attachment Clips — (Optional. Not Shown) - Used to secure ceiling runner when spray-applied fire resistive material is applied to roof deck prior to installation of ceiling runner of wall. Z-shaped clips formed from 1 in. (25 mm) wide strips of min 20 ga galv steel. Clips to be sized to extend through the thickness of the spray-applied fire-resistive material on the roof deck with 1-1/2 in. (38 mm) long upper and lower legs. Legs of clips fastened to bottom of roof deck (prior to application of spray-applied fire-resistive materials) with steel fasteners or welds. Clips spaced max 16 in. (406 mm) OC and extend to within 1/4 to 3/4 in. (6 to 19 mm) from the surface of the wall.
   C. Spray—Applied Fire Resistive Materials* — (Not Shown)—Prior to or after the installation of the steel ceiling runners, the roof assembly shall be sprayed with the type and thickness of fire resistive material indicated in the individual P700 Series design.
      ISOLATEK INTERNATIONAL — Type 300
      GCP APPLIED TECHNOLOGIES INC — Type MK-6/HY
2. Shaft Wall Assembly — The 1 hr or 2 hr fire rated gypsum board/steel stud shaft wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Floor and Wall Runners — (Not Shown) - J-shaped runner, equal in width to steel studs (Item 2C), with unequal legs of 1 in. (25 mm) and 2 in. (51 mm), fabricated from 24 MSG galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to floor with steel fasteners located not greater than 2 in. (51 mm) from ends and not greater than 24 in. (610 mm) OC.
   B. Ceiling Runner — Ceiling runner of wall assembly shall consist of galv steel channel sized to accommodate steel studs (Item 2C). Flange height of ceiling runner shall be min 1/4 in. (6 mm) greater than max extended joint width. Ceiling runner installed perpendicular to direction of fluted steel deck and secured to steel deck valleys with steel fasteners or welds spaced max 24 in. (610 mm) OC or to steel attachment clips (Item 1D) with steel fasteners spaced max 16 in. (406 mm) OC.

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System No. HW-D-0569

B1. Light Gauge Framing* - Slotted Ceiling Runner — As an alternate to the ceiling runner in Item 2B, slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2C). Flange height of slotted ceiling runner shall be min 1/4 in. (6 mm) greater than max extended joint width. Slotted ceiling runner installed perpendicular to direction of fluted steel deck and secured to steel deck valleys before or after optional spray-applied fire resistive material is used with steel masonry anchors spaced max 24 in. (610 mm) OC. The use of welds to secure the ceiling runner may only be used prior to the installation of the optional spray-applied material.
   BRADY CONSTRUCTION INNOVATIONS INC, DBA SLIPTRACK SYSTEMS — SLP-TRK, SLPTRK325
   CEMCO, LLC — CST
   CLARKDIETRICH BUILDING SYSTEMS — Types SLT, SLT-H
   MARINO/WARE, DIV OF WARE INDUSTRIES INC — Type SLT
   METAL-LITE INC — The System
   RAM SALES L L C — RAM Slotted Track
   SCAFCO STEEL STUD MANUFACTURING CO — Slotted Track
   TELLING INDUSTRIES L L C — True-Action Deflection Track
B2. Light Gauge Framing* — Slotted Ceiling Runner — As an alternate to the ceiling runner in Item 2B, slotted ceiling runner to consist of galv steel channel, sized to accommodate steel studs (Item 2C). Flange height of slotted ceiling runner shall be 3-1/4 in. (83 mm) with 2 in. (51 mm) deep slots. Slotted ceiling runner installed perpendicular to direction of fluted steel deck and secured to steel deck valleys as described in Item B1.
   SCAFCO STEEL STUD MANUFACTURING CO — Slotted Track-Type SDLT
C. Steel Studs — C-H-shaped studs, min 4 in. (102 mm) wide by 1-1/2 in. (38 mm) deep, fabricated from 25 MSG galv steel, cut to lengths 3/4 to 1 in. (19 to 25 mm) less than floor to ceiling height and spaced 24 in. (610 mm) OC. When slotted ceiling runner specified in Item 2B2 is used the C-H-shaped studs cut in lengths 3/4 to 1-3/4 in. (19 to 44 mm) less than floor to ceiling height.
D. Gypsum Board* — Nom 1 in. (25 mm) thick gypsum board liner panels. Panels cut 1-1/2 in. (38 mm) less in length than floor to ceiling height. Vertical edges inserted in H-shaped section of C-H studs. At the ends of the assembly, the free edge of the end panels are attached to the long leg of vertical J-runners (Item 2A) with 1-5/8 in. (41 mm) long Type S steel screws spaced max 12 in. (305 mm) OC.
E. Gypsum Board* — Nom 5/8 in. (16 mm) thick gypsum board applied vertically in one or two layers for 1 hr and 2 hr fire rated assemblies, respectively. Panels cut 1-1/2 in. (38 mm) less in length than floor to ceiling height. The screws attaching the gypsum board layers to the C-H studs shall be located 1 to 1-1/2 in. (25 to 38 mm) below the bottom of the ceiling runner or slotted ceiling track. No gypsum board attachment screws are to penetrate the ceiling runner or slotted ceiling track.
   The hourly ratings of the joint system are equal to the hourly fire rating of the wall.
3. Joint System — Max separation between bottom of fluted deck surface and top of gypsum board (at the time of installation of the joint system) is 1 1/2 in. (38 mm). The joint system is designed to accommodate a max 50 percent compression or extension from its installed width. The joint system consists of the following:
   A. Forming Material* — Min 4 pcf (64 kg/m3) density mineral wool batt insulation sized to attain a min compression rate of 25 percent in the thickness direction and firmly packed to completely fill the flutes of the steel floor units or roof deck above the ceiling runner as a permanent form. The mineral wool batt insulation is to project beyond the ceiling runner to be flush with the finished wall surfaces. Alternately, nom 4 pcf (64 kg/m3) forming material cut to shape of flute and nom 1 in. (25 mm) longer than thickness of wall; mineral wool compressed from ends and firmly packed into each flute to attain a min compression rate of 14.3 percent in the length (wall thickness) direction to be flush with both wall surfaces.
      INDUSTRIAL INSULATION GROUP L L C — MinWool-1200 Safing
      JOHNS MANVILLE — Safing
      ROCK WOOL MANUFACTURING CO — Delta Board
      ROCKWOOL — SAFE
      THERMAFIBER INC — Type SAF

HWD 0569

System No. HW-D-0569

B1. Light Gauge Framing* - Slotted Ceiling Runner — As an alternate to the ceiling runner in Item 2B, slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2C). Flange height of slotted ceiling runner shall be min 1/4 in. (6 mm) greater than max extended joint width. Slotted ceiling runner installed perpendicular to direction of fluted steel deck and secured to steel deck valleys before or after optional spray-applied fire resistive material is used with steel masonry anchors spaced max 24 in. (610 mm) OC. The use of welds to secure the ceiling runner may only be used prior to the installation of the optional spray-applied material.
   BRADY CONSTRUCTION INNOVATIONS INC, DBA SLIPTRACK SYSTEMS — SLP-TRK, SLPTRK325
   CEMCO, LLC — CST
   CLARKDIETRICH BUILDING SYSTEMS — Types SLT, SLT-H
   MARINO/WARE, DIV OF WARE INDUSTRIES INC — Type SLT
   METAL-LITE INC — The System
   RAM SALES L L C — RAM Slotted Track
   SCAFCO STEEL STUD MANUFACTURING CO — Slotted Track
   TELLING INDUSTRIES L L C — True-Action Deflection Track
B2. Light Gauge Framing* — Slotted Ceiling Runner — As an alternate to the ceiling runner in Item 2B, slotted ceiling runner to consist of galv steel channel, sized to accommodate steel studs (Item 2C). Flange height of slotted ceiling runner shall be 3-1/4 in. (83 mm) with 2 in. (51 mm) deep slots. Slotted ceiling runner installed perpendicular to direction of fluted steel deck and secured to steel deck valleys as described in Item B1.
   SCAFCO STEEL STUD MANUFACTURING CO — Slotted Track-Type SDLT
C. Steel Studs — C-H-shaped studs, min 4 in. (102 mm) wide by 1-1/2 in. (38 mm) deep, fabricated from 25 MSG galv steel, cut to lengths 3/4 to 1 in. (19 to 25 mm) less than floor to ceiling height and spaced 24 in. (610 mm) OC. When slotted ceiling runner specified in Item 2B2 is used the C-H-shaped studs cut in lengths 3/4 to 1-3/4 in. (19 to 44 mm) less than floor to ceiling height.
D. Gypsum Board* — Nom 1 in. (25 mm) thick gypsum board liner panels. Panels cut 1-1/2 in. (38 mm) less in length than floor to ceiling height. Vertical edges inserted in H-shaped section of C-H studs. At the ends of the assembly, the free edge of the end panels are attached to the long leg of vertical J-runners (Item 2A) with 1-5/8 in. (41 mm) long Type S steel screws spaced max 12 in. (305 mm) OC.
E. Gypsum Board* — Nom 5/8 in. (16 mm) thick gypsum board applied vertically in one or two layers for 1 hr and 2 hr fire rated assemblies, respectively. Panels cut 1-1/2 in. (38 mm) less in length than floor to ceiling height. The screws attaching the gypsum board layers to the C-H studs shall be located 1 to 1-1/2 in. (25 to 38 mm) below the bottom of the ceiling runner or slotted ceiling track. No gypsum board attachment screws are to penetrate the ceiling runner or slotted ceiling track.
   The hourly ratings of the joint system are equal to the hourly fire rating of the wall.
3. Joint System — Max separation between bottom of fluted deck surface and top of gypsum board (at the time of installation of the joint system) is 1 1/2 in. (38 mm). The joint system is designed to accommodate a max 50 percent compression or extension from its installed width. The joint system consists of the following:
   A. Forming Material* — Min 4 pcf (64 kg/m3) density mineral wool batt insulation sized to attain a min compression rate of 25 percent in the thickness direction and firmly packed to completely fill the flutes of the steel floor units or roof deck above the ceiling runner as a permanent form. The mineral wool batt insulation is to project beyond the ceiling runner to be flush with the finished wall surfaces. Alternately, nom 4 pcf (64 kg/m3) forming material cut to shape of flute and nom 1 in. (25 mm) longer than thickness of wall; mineral wool compressed from ends and firmly packed into each flute to attain a min compression rate of 14.3 percent in the length (wall thickness) direction to be flush with both wall surfaces.
      INDUSTRIAL INSULATION GROUP L L C — MinWool-1200 Safing
      JOHNS MANVILLE — Safing
      ROCK WOOL MANUFACTURING CO — Delta Board
      ROCKWOOL — SAFE
      THERMAFIBER INC — Type SAF

HWD 0569

System No. HW-D-0569

   A1. Forming Material* — Plugs — As an alternate to Item 3A, preformed mineral wool plugs, formed to the shape of the fluted floor units or roof deck, friction fit to completely fill the flutes above the ceiling runner. The plugs shall project beyond the finished side of the ceiling runner, flush with wall surface.
      HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP777 Speed Plugs
   B. Forming Material* — Min 4 pcf (64 kg/m3) density mineral wool batt insulation cut to a thickness twice larger than the distance between the top of the gypsum board and the bottom of the steel floor unit or roof deck. Material compressed 50 percent and installed within ceiling runner above top of liner panel flush with the inside surface of the panel. Material compressed and installed on finished side of the wall between the top of the gypsum board and the bottom of the steel floor units or roof deck, flush with the surface of the wall.
      INDUSTRIAL INSULATION GROUP L L C — MinWool-1200 Safing
      JOHNS MANVILLE — Safing
      ROCK WOOL MANUFACTURING CO — Delta Board
      ROCKWOOL — SAFE
      THERMAFIBER INC — Type SAF
   B1. Forming Material* - Strips — As an alternate to Item 2B, the strips are stacked to a height twice larger than the distance between the top of the gypsum board and the bottom of the steel floor unit or roof deck. Strips compressed 50 percent and installed within ceiling runner above top of liner panel flush with the inside surface of the panel. Strips compressed and installed on finished side of the wall between the top of the gypsum board and the bottom of the steel floor units or roof deck, flush with the surface of the wall.
      HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 767 Speed Strips
   C. Fill, Void or Cavity Material* — Min 1/16 in. (1.6 mm) dry thickness (1/8 in. or 3.2 mm wet thickness) of fill material sprayed or troweled within stud cavity and on both sides of the shaft wall to completely cover mineral wool forming material. Fill material to overlap a min of 1/2 in. (13 mm) onto gypsum board and ceiling runner within stud cavity. Fill material to overlap a min of 1/2 in. (13 mm) onto gypsum board and steel deck on finished side of wall. Fill material to overlap a min of 1/2 in. onto steel deck and ceiling runner on unfinished side of wall with no overlap onto gypsum liner panel. When spray-applied fire resistive material (Item 1C) is applied to the steel deck, the fill material is to overlap the spray-applied fire resistive material a min of 2 in. (51 mm) on both sides of wall.
      HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-SP WB Firestop Joint Spray

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

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2 HOUR RATED HEAD OF WALL DETAIL

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

KENNETH R. CARLSON - ARCHITECT, P.A.
1166 W. NEWPORT CENTER DR. SUITE #11
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AA C001818

Revisions:

DRAWN BY: FS/GJ
CHECKED BY: KRC
DATE: 10/16/2023
SCALE: AS NOTED
PROJECT #: 23053
CAD DWG FILE: A14.6

10/16/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

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PAGE OF

ONLINE CERTIFICATIONS DIRECTORY

BXUV.U411
Fire Resistance Ratings - ANSI/UL 263

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Design/System/Construction/Assembly Usage Disclaimer

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

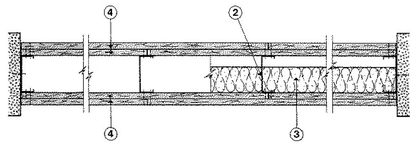
Fire Resistance Ratings - ANSI/UL 263

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

Design No. U411

March 03, 2010

Nonbearing Wall Rating — 2 HR.



1. **Floor and Ceiling Runner —** (Not Shown) — Min. 25 MSG galv steel, 1 in. return legs, 2-1/2 in. deep (min), attached to floor and ceiling with fasteners 24 in. OC max.

1A. **Framing Members*— Floor and Ceiling Runners —** (Not shown) — As an alternate to Item 1 - For use with Item 2A, channel shaped, min 2-1/2 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP,

BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

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

1C. **Framing Members*— Floor and Ceiling Runners —** (Not shown) — As an alternate to Item 1 - For use with Item 2B, channel shaped, min 2-1/2 in. wide fabricated from min 0.015 in. thick galv steel, attached to floor and ceiling with fasteners 24 in. OC. max.

CLARKWESTERN BUILDING SYSTEMS INC — CW ProTRAK

DIETRICH INDUSTRIES INC — DIETRICH ProTRAK

DMFCWBS L L C — ProTRAK

2. **Steel Studs —** Min 2-1/2 in. deep, formed of min 25 MSG galv steel max stud spacing 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

2A. **Framing Members*— Steel Studs —** As an alternate to Item 2 - For use with Item 1A, channel shaped studs, min 2-1/2 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP,

BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

2B. **Steel Studs —** (As an alternate to Item 2, For use with Item 4D) Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. 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.

2C. **Framing Members*— Steel Studs —** As an alternate to Item 2 - For use with Item 1B, channel shaped studs, min 2-1/2 in. wide fabricated from min 0.015 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKWESTERN BUILDING SYSTEMS INC — CW ProSTUD

DIETRICH INDUSTRIES INC — DIETRICH ProSTUD

DMFCWBS L L C — ProSTUD

3. **Batts and Blankets* —** (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity. Fasten each batt to wallboard base layer with a min 9/16 in. long staple. Use five staples for each 4 ft piece. Drive one staple in the center of each piece and a staple at each corner, approx 3 in. from edges.

See **Batts and Blankets** (BZJZ) category for names of manufacturers.

3A. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft^3. Alternate application method: The fiber is applied with U.S. Greenfiber LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft^3.

U S GREENFIBER L L C — — Cocoon2 Stabilized or Cocoon-FRM (Fire Rated Material)

3B. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) and Item 3A - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.

NU-WOOL CO INC — Cellulose Insulation

3C. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft^3.

INTERNATIONAL CELLULOSE CORP — Celbar-RL

4. **Gypsum Board* —** 5/8 in. thick, outer layer paper, glass mat cr vinyl surfaced. (Laminated System) Gypsum board applied vertically in two layers. Inner layer attached to studs with 1 in. long Type S steel screws spaced 8 in. OC along vertical edges, and 12 in. OC in the field and outer layer laminated to inner layer with joint compound, applied with a notched spreader producing continuous beads of compound about 3/8 in. in diameter, spaced not greater than 2 in. OC. Joints of laminated outer layer offset 12 in. from inner layer joints Outer layer gypsum board attached to floor and ceiling runner track with 1-5/8 in. long Type S steel screws spaced 12 in. OC.

Optional, (Direct Attached System), Inner layer attached to studs with 1 in. long Type S steel screws spaced 16 in. OC in the field and along the vertical edges. Outer layer attached to the studs over the inner layer with 1-5/8 in. long Type S steel screws spaced 16 in. OC in the field and along the vertical edges and 12 in. OC to the floor and ceiling runners. Joints of screw-attached outer layer offset from inner layer joints. Joints of outer layer may be taped or untaped.

Nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

AMERICAN GYPSUM CO — Types AG-C, AGX-1, AGX-11.

BEIJING NEW BUILDING MATERIALS PUBLIC

LTD CO — Type DBX-1.

CERTAINTEED GYPSUM INC — Types 1, FRPC, EGRG, GlasRoc, FroRoc Type X or ProRoc Type C.

CERTAINTEED GYPSUM CANADA INC — ProRoc Type C, ProRoc Type X or ProRoc Type Abuse-Resistant.

CANADIAN GYPSUM COMPANY — Type AR, C, FCV, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6.

LAFARGE NORTH AMERICA INC — Types LGFC2, LGFC2A, LGFC3, LGFC6, LGFC6A, LGFC-C, LGFC-C/A, LGFC-WD.

NATIONAL GYPSUM CO — Types FSK-C, FSW, FSW-3, FSW-5, FSW-6, FSW-C, FSW-G, FSMR-C, SoundBreak XP Type X Gypsum Board.

PABCO BUILDING PRODUCTS L L C, DBA

PABCO GYPSUM — Type C, PG-3, PG-5, PG-9, PG-11 or PG-C.

PANEL REY S A — Type PRX, or PRC.

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

TEMPLE-INLAND — Types TG-C, Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board.

UNITED STATES GYPSUM CO — Type AR, C, FCV, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX.

USG MEXICO S A DE C V — Type AR, C, FCV, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

4A. **Gypsum Board* —** (As an alternate to Item 4) — Nom 3/4 in. thick, installed as described in Item 4 with 1-1/4 in. long Type S screws for inner layer and 2-1/4 in. long Type S screws for outer layer.

CANADIAN GYPSUM COMPANY — Types AR, IP-AR.

UNITED STATES GYPSUM CO — Types AR, IP-AR.

USG MEXICO S A DE C V — Types AR, IP-AR.

4B. **Gypsum Board* —** (As an alternate to Item 4 and 4A) —5/8 in. thick, 24 to 54 in. wide, applied hcrizontally as the outer layer to one side of the assembly. Horizontal joints need not be backed by steel framing. Secured as described in Item 4 for the direct attached system. When used in widths other than 48 in., gypsum panels to be installed horizontally.

CANADIAN GYPSUM COMPANY — Type SHX.

CERTAINTEED GYPSUM INC — ProRoc Type X, ProRoc Type C.

CERTAINTEED GYPSUM CANADA INC — ProRoc Type X, ProRoc Type C.

UNITED STATES GYPSUM CO — Type SHX, FRX-G.

USG MEXICO S A DE C V — Type SHX.

4C. **Gypsum Board* —** (As an alternate to Items 4, 4A and 4B) — Two layers of 5/8 in. thick gypsum board applied horizontally or vertically. Inner layer attached to studs with No. 6 by 1 in. long Type S bugle head screws spaced 24 in. OC along the top and bottom tracks starting 2 in. and then 12 in. from the vertical edge. Inner layer screws spaced 24 in. OC along the studs, starting 2 in. and then 12 in. from the top and bottom of the studs and starting 1-1/4 in. from the horizontal joints when installed horizontally. Outer layer attached to studs with 1-5/8 in. long Type S bugle head screws spaced 16 in. OC along the top and bottom tracks starting 1-3/4 in. from the vertical edge. Outer layer screws spaced 16 in. OC along the studs, starting 1-3/4 in. and then 8 in. from the top and bottom of the studs and starting 1-1/4 in. and then 8 in. from the horizontal joints when installed horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers staggered one stud cavity. Horizontal joints neec 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 staggered a min of 12 in. When outer layers are installed horizontally, vinyl or casein, dry or premixed joint compound shall be applied in two coats to joints and screw heads of outer layer. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 9, C, DAP, DGG, DS.

4D. **Gypsum Board* —** (Not Shown) - (As an alternate to Item 4 when used as the base layer on one or both sides of wal. For direct attachment only to steel studs Item 2B) - 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. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

RAY-BAR ENGINEERING CORP — Type RB-LBG

4E. **Wall and Partition Facings and Accessories* —** (As an alternate to Items 4 through 4D) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.

QUIET SOLUTION INC — Types QuietRock ES, QuietRock 527.

5. **Lead Batten Strips —** (Not Shown, For Use With Item 4D) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum board (Item 4D) and optional at remaining stud locations. Required behind vertical joints.

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

*Bearing the UL Classification Mark

Last Updated on 2010-03-03

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1 / A14.7 — 2 HOUR RATED PARTITION DETAIL

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

KENNETH R. CARLSON — ARCHITECT, P.A.
1166 W. NEWPORT CENTER DR. SUITE #311
DEERFIELD BEACH, FLORIDA 33442
PH. (954) 427 - 8848 FAX (954) 427 - 9929
e-mail: kenc@kencarlson.com
AA C00018

Revisions:

DRAWN BY: FS/JJ
CHECKED BY: KRC
DATE: 10/16/2023
SCALE: AS NOTED
PROJECT #: 23053
CAD DWG FILE: A14.7

10/18/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

SHEET OF
A14.7
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REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

ONLINE CERTIFICATIONS DIRECTORY

Design No. V438
BXUV.V438
Fire Resistance Ratings - ANSI/UL 263

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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

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

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

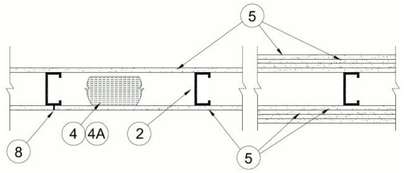
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

Design No. V438

March 15, 2016

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

*** 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) — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width 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 2A, proprietary channel shaped runners, minimum width to accommodate stud size, with 1-1/4 in. long legs fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

CRACO MFG INC — SmartTrack20™

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

PHILLIPS MFG CO L L C — Viper20™ Track

TELLING INDUSTRIES L L C — Viper20™ Track

1B. **Framing Members* - Floor and Ceiling Runner —** Not shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, minimum width to accommodate stud size, with 1- 1/8 in. long legs, attached to floor and ceiling with fasteners spaced 24 in. OC max.

SUPER STUD BUILDING PRODUCTS — The Edge

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

1D. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — As an alternate to Item 1. For use with Item 2D, channel shaped, min width to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1E. **Floor and Ceiling Runners —** (Not shown) — Channel shaped, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below, attached to floor and ceiling with fasteners spaced max 24 in. OC.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100.

1F. **Framing Members*— Floor and Ceiling Runners —** (Not Shown) — As an alternate to Item 1. For use with Item 2E, channel shaped, min width to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

TELLING INDUSTRIES L L C — TRUE-TRACK™

1G. **Framing Members*— Floor and Ceiling Runners —** (Not Shown) — In lieu of Item 1 - For use with Item 2F. Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max.

ALLSTEEL & GYPSUM PRODUCTS INC — Type DZ5

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type DZ5

QUAIL RUN BUILDING MATERIALS INC — Type DZ5

SCAFCO STEEL STUD MANUFACTURING CO — Type DZ5

STEEL CONSTRUCTION SYSTEMS INC — Type DZ5

UNITED METAL PRODUCTS INC — Type DZ5

1H. **Framing Members* - Floor and Ceiling Runner —** Not shown — In lieu of Item 1 — For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size, with 1-1/4 in. long legs, attached to floor and ceiling with fasteners spaced 24 in. OC max.

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

TELLING INDUSTRIES L L C — Viper25™ Track

2. **Steel Studs —** Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width as indicated under Item 5, min 1-1/4 in. flanges and 1/4 in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2A. **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. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

CRACO MFG INC — SmartStud20™

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

PHILLIPS MFG CO L L C — Viper20™

TELLING INDUSTRIES L L C — Viper20™

2B. **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 galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.

SUPER STUD BUILDING PRODUCTS — The Edge

2C. **Steel Studs —** (As an alternate to Item 2, For use with Items 1C) Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min width, min 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2D. **Framing Members* — Steel Studs —** As an alternate to Item 2. Channel shaped, min width as indicated under Item 5, min 1-1/4 in. flanges and 1/4 in. return, galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/8 to 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

2E. **Framing Members* — Steel Studs —** As an alternate to Item 2. Channel shaped, min width as indicated under Item 5, min 1-1/4 in. flanges and 1/4 in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

TELLING INDUSTRIES L L C — TRUE-STUD™

2F. **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 DZ5

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type DZ5

QUAIL RUN BUILDING MATERIALS INC — Type DZ5

SCAFCO STEEL STUD MANUFACTURING CO — Type DZ5

STEEL CONSTRUCTION SYSTEMS INC — Type DZ5

UNITED METAL PRODUCTS INC — Type DZ5

2G. **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. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.

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

TELLING INDUSTRIES L L C — Viper25™

2H. **Framing Members* - Steel Studs —** As an alternate to Item 2 - For use with Item 1A (3-5/8 in. wide track), channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 1-1/4 in. wide by 3-5/8 in. deep, 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 — StudRite™

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, 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 BZJZ) 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 BZJZ) Categories** for names of Classified companies.

5. **Gypsum Board* —** Gypsum panels with beveled, square or tapered edges. **For single layer systems** gypsum panels applied vertically or horizontally with joints centered over studs. For all products except FSW-8, 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. **For two layer systems** (constructed with 5/8 in. thick board) gypsum panels applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs and in adjacent layers. 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 in adjacent layers staggered a min of 12 in. For two layer systems (constructed with 1/2 in. thick board) inner layer of gypsum panels applied vertically and outer layer of gypsum panels may be applied vertically or horizontally. Vertical joints in adjacent layers staggered one stud cavity. For three and four layer systems inner layers to be applied vertically with joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers staggered one stud cavity. Outer layer may be applied vertically or horizontally. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Wallboard Protection on each Side of Wall

Rating, Hr	Min Stud Depth, In.	No. of Layers & Thks of Panel	Min Thks of Insulation (Item 4)
1	3-5/8	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	2 in. thick

2	1-5/8	2 layers, 1/2 in. thick	Optional
2	2-1/2	2 layers, 5/8 in. thick	Optional
2	3-5/8	1 layer, 3/4 in. thick	3 in. thick
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, 1/2 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional

NATIONAL GYPSUM CO — 1/2 in. thick Type eXP-C, FSW-G, FSK-G, FSW-C, FSMR-C or FSK-C; 5/8 in. thick Type FSL, FSW, FSK, FSW-3, FSW-5, FSW-G, FSK-G, FSW-6, FSW-8, FSW-C, FSMR-C or FSK-C, 3/4 in. thick type UltraShield.

5A. **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 2C) - 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. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

RAY-BAR ENGINEERING CORP — Type RB-LBG

5B. **Gypsum Board* —** (As an alternate to Item 5) - Installed vertically only - as described in Item 5. 5/8 in. thick, 4 ft. wide, paper surfaced.

NATIONAL GYPSUM CO — SoundBreak XP Type X Gypsum Board

5D. **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 2C). 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 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

5E. **Gypsum Board* —** (As an alternate to Item 5) — For Direct Application to studs Item 2C only- For use as the base layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and in the field. Leac batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick. compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grades "A, B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 6.

MAYCO INDUSTRIES INC — "X-Ray Shielded Gypsum"

5F. **Gypsum Board* —** (As an alternate to Item 5/8 in. Type FSW in Item 5) - Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Two layers of 5/16 in. for every single layer of 5/8 in. gypsum board described in Item 5. Horizontal joints on the same side need not be staggered. Inner layer of each double 5/16 in. layer attached with fasteners, as described in item 4, spaced 24 in. OC. Outer layer of each double 5/16 in. layer attached per Item 5.

NATIONAL GYPSUM CO — Type FSW

6. **Fasteners —** (Not shown) - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Items 7 or 7A). **Single layer systems:** When 5/8 in. thick gypsum panels applied vertically, 1 in. long, spaced 8 in. OC along edges of board and 12 in. OC in the field of board. When 5/8 in. thick gypsum panels applied horizontally, 1 in. long spaced 8 in. OC along vertical edges and in the field, and 12 in. OC along top and bottom of wall. When used with Item 2F and applied horizontally, screws spaced 8 in. OC in the field and 8 in. along the top and bottom edges of the wall. When 1/2 in. thick panels are applied vertically or horizontally, 1 in. long, spaced 8 in. OC along edges of

board and 12 in. OC in the field of board. When 3/4 in. thick panels are applied vertically or horizontally, 1-1/4 in. long spaced 8 in. OC along edges of board and in the field. **Two layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 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. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. form 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 system, not for use with Items 5A, 5D, or 5E) - Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws.

7A. **Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems, not for use with Items 5A, 5D or 5E) — 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.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Aa) to studs. Clips spaced max. 48 in. OC. RSIC-1 and RSIC-1 (2.75) 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 (2.75) 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 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75).

7B. **Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems, not for use with Items 5A, 5D or 5E) — 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, 2-5/8 in. wide by 7/8 in deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured together with four self-tapping No. 8x1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Gypsum board attached to furring channels as described in Item 5. Side joint furring channels shall be attached to studs with RESILMOUNT Sound Isolation Clips - Type A237R located approximately 2 in. from each end of length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint edge.

b. **Steel Framing Members* —** Resilient sound isolation clip used to attach furring channels (Item a) to studs. Clips spaced 24 in. OC., and secured to studs with No. 10 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

8. **Joint Tape and Compound —** Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. **Siding, Brick or Stucco —** (Optional, not shown) - Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. **Cementitious Backer Units* —** (Optional Item Not Shown - For Use On Face Of Rated Systems With All Standard Items Required) - 7/16 in., 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, min. 32 in. wide.- Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members spaced a max of 8 in. OC. When 4 ft. wide boards are used, horizontal joints need not be backed by framing.

NATIONAL GYPSUM CO — Type DuraBacker, PermaBase, DuraBacker Plus, or PermaBase Plus

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

12. **Lead Discs or Tabs —** (Not Shown, For Use With Item 5A) - Used in lieu of or in addition to the lead batten strips (Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5A) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of

99.9% meeting the Federal specification QQ-L-201f, Grade "C".

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

Last Updated on 2016-03-15

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1 A14.8

2 HOUR RATED PARTITION DETAIL

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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AA C00018

Revisions:

DRAWN BY: FS/GJ
CHECKED BY: KRC
DATE: 10/6/2023
SCALE: AS NOTED
PROJECT #: 23053
CAD DWG FILE: A14.8

10/18/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

SHEET OF
A14.8
PAGE OF

UL Product iQ™

BXUV.U497 -

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- 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. U497

March 12, 2020

Nonbearing Wall Rating — 2 Hr

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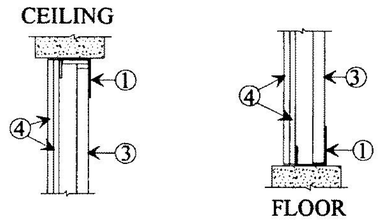
HORIZONTAL SECTION



1. **Channel Track —** "J" -shaped channel, 2-1/2 in. deep with unequal legs of 1 in. and 2 in., fabricated from No. 25 MSG galv steel. Channel positioned with short leg toward finished side of wall. Channel attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC.

2. **Steel Studs —** "I" -shaped studs, min 2-1/2 in. deep by 1-1/2 in. wide, fabricated from min 25 MSG galv steel. Cut to lengths 1/2 in. less than floor to ceiling height and spaced 24 in. OC.

2A. **Steel Studs —** (Not Shown) — "C-H" -shaped studs, min 2-1/2 in. deep by 1-1/2 in. wide, fabricated from min 25 MSG galv steel. Cut to lengths 1/2 in. less than floor to ceiling height and spaced 24 in. OC.

2B. **Steel Studs —** (Not Shown) — "C-T" - shaped studs, min 2-1/2 in. deep by 1-1/2 in. wide, fabricated from min 25 MSG galv steel. Cut to lengths 1/2 in. less than floor to ceiling height and spaced 24 in. OC.

2C. **Furring Channels —** (Optional, not shown) - Resilient furring channels fabricated from min. 25 MSG corrosion protected steel, installed horizontally, and spaced vertically a max. 24 in. OC. Flange portion of channel attached to each intersecting 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.

3. **Gypsum Board* —** 1 in. thick gypsum wallboard liner panels, supplied in nom 24 in. widths. Panels cut 1 in. less in length than floor to ceiling heights. Vertical edges inserted in "I" studs. Free edge of end panels attached to long leg of channel track with 1-5/16 in. long Type S self-drilling, self-tapping bugle head steel screws spaced 1 in. in from both edges.
NATIONAL GYPSUM CO — Types FSW, FSW-B, FSW-7, FSW-9

4. **Gypsum Board* —** 1/2 in. thick, 4 ft wide wallboard applied vertically in two layers. Inner or base layer attached to studs with 1 in. long Type S self-drilling, self-tapping bugle head steel screws spaced 24 in. OC along the edges and in the field of the boards. Outer or face layer attached to studs and channel track with 1-5/8 in. long Type S self-drilling, self-tapping bugle head steel screws spaced 12 in. along the edges and in the field of the boards, staggered from screws in inner layer. When Furring Channels (Item 2C) are used, inner or base layer attached to furring channels with 1 in. long Type S self-drilling, self-tapping bugle head steel screws. Outer or face layer attached to furring channels with 1-5/8 in. long Type S self-drilling, self-tapping bugle head steel screws spaced 12 in. OC and staggered 12 in. from base layer screws. Joints between inner and outer layers staggered. Outer layer joints covered with paper tape and joint compound. Exposed screw heads covered with joint compound.
AMERICAN GYPSUM CO — Type AG-C

CERTAINTEED GYPSUM INC — Type C

CGC INC — Types C, IP-X2, IPC-AR

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC-C/A

GEORGIA-PACIFIC GYPSUM L L C — Types DAPC, TG-C

NATIONAL GYPSUM CO — Types eXP-C, FSK-C, FSW-G, FSW-C, FSMR-C.

PANEL REY S A — Type PRC

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air

THAI GYPSUM PRODUCTS PCL — Type C.

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR,

USG BORAL DRYWALL SFZ LLC — Type C

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR.

4A. **Gypsum Board* —** (As an alternate to Item 4) — 5/8 in. thick. Two layers installed as described in Item 4.
NATIONAL GYPSUM CO — Types eXP-C, FSMR-C, FSK, FSK-C, FSK-G, FSL, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, and FSW-8

UNITED STATES GYPSUM CO — Type ULIX

4B. **Gypsum Board* —** (As an alternate to Items 4 and 4A) — Nominal 5/8 in. thick, 4 ft wide panels, two layers applied vertically only and secured as described in Item 4.
NATIONAL GYPSUM CO — SoundBreak XP Type X Gypsum Board

5. **Batts and Blankets* —** (Optional, not shown)-Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt bearing the UL Classification Marking as to Fire Resistance. See **Batts and Blankets** (BZJZ) category for names of Classified companies.

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

Last Updated on 2020-03-12

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1 A14.9

2 HOUR RATED SHAFTWALL DETAIL

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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Revisions:

DRAWN BY: FS/GJ
CHECKED BY: KRC
DATE: 10/16/2023
SCALE: AS NOTED
PROJECT #: 23053
CAD DWG FILE: A14.9

10/18/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

SHEET OF
A14.9
PAGE OF

Design No. W419

June 12, 2020

Nonbearing Wall Rating — 1, 2, 3, or 4 Hr.

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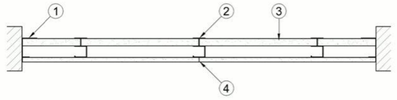
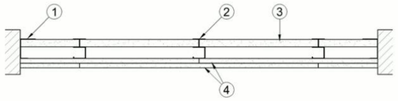
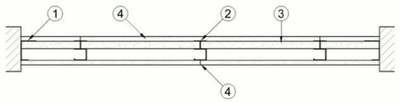
System A - 1 Hr.



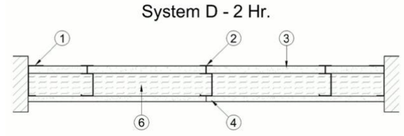
System B - 2 Hr.



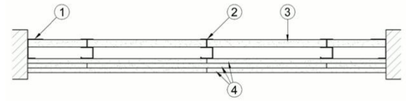
System C - 2 Hr.



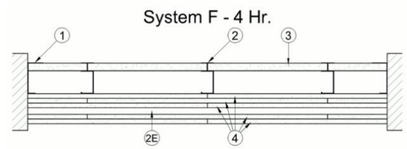
System D - 2 Hr.



System E - 3 Hr.



System F - 4 Hr.



1. **Channel Track —** "J" -shaped channel, 2-1/2 in. deep (min. 4 in. deep when Systems D and F are used) with unequal legs of 1 in. and 2 in., fabricated from No. 25 MSG galv steel. Channel positioned with short leg toward finished side of wall. Channel attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC.

2. **Steel Studs —** (Not shown) "I" -shaped studs, min 2-1/2 in. deep (min. 4 in. deep when System F is used, not for use with System D) by 1-1/2 in. wide, fabricated from min 25 MSG galv steel. Cut to lengths 1/2 in. less than floor to ceiling height and spaced 24 in. OC.

2A. **Steel Studs —** — "C-H" -shaped studs, min 2-1/2 in. deep (min. 4 in. deep when Systems D and F are used) by 1-1/2 in. wide, fabricated from min 25 MSG galv steel. Cut to lengths 1/2 in. less than floor to ceiling height and spaced 24 in. OC.

2B. **Steel Studs —** (Not Shown) — "C-T" - shaped studs, min 2-1/2 in. deep (min. 4 in. deep when Systems D and F are used) by 1-1/2 in. wide, fabricated from min 25 MSG galv steel. Cut to lengths 1/2 in. less than floor to ceiling height and spaced 24 in. OC.

2C. **Furring Channels —** (Optional, Not Shown) — For use with single or double layer systems. Resilient furring channels fabricated from min. 25 MSG corrosion protected steel, installed horizontally, and spaced vertically a max. 24 in. OC. Flange portion of channel attached to each intersecting 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, gypsum board to be installed vertically.

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 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 4.
b. **Steel Framing Members* —** Used to attach furring channels (Item 2Da) to studs (Items 2, 2A, or 2B). 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.

PAC INTERNATIONAL L L C — Types RSIC-1

2E. **Furring Channels —** For use with System F. "Hat" shaped, min. 22 MSG galv steel furring channels attached directly over the three inner layers of wallboard to each stud with 2-1/4 in. long Type S bugle head steel screws. Screws alternate from top flange to bottom flange at each stud intersection. Furring channels spaced vertically max 16 in. OC.

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 cementitious backer units (Item 7):

a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-5/8 in. wide by 7/8 in deep, 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 installed vertically only and attached to furring channels as described in Item 4.

b. **Steel Framing Members* —** Used to attach furring channels (Item 2Fa) to studs (Items 2, 2A, or 2B). 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

2G. **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 cementitious backer units (Item 7):

a. **Furring 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 a double strand of No. 18 AWG twisted steel wire. 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 2Ga) to studs (Items 2, 2A, or 2B). 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) — For use with single or double layer systems. Resilient channels and Steel Framing Members as described below. Not to be used with 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

3. **Gypsum Board* —** 1 in. thick gypsum wallboard liner panels, supplied in nom 24 in. widths. Panels cut 1 in. less in length than floor to ceiling heights. Vertical edges inserted in "I" studs. Free edge of end panels attached to long leg of channel track with 1-5/8 in. long Type S self-drilling, self-tapping bugle head steel screws spaced not greater than 24 in. OC. For System F, screws spaced not greater than 12 in. OC.

NATIONAL GYPSUM CO — Types FSW, FSW-B, FSW-7

System A - 1 Hr.

4. **Gypsum Board* —** 5/8 in. thick, 4 ft wide, applied horizontally or vertically and attached to studs with 1 in. long Type S steel screws spaced 12 in. OC along the edges and in the field of the boards. When Furring Channels (Item 2C) are used, gypsum board attached vertically to furring channels with 1 in. long Type S steel screws spaced 12 in. OC.

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSL, FSMR-C, FSW, FSW-3, FSW-5, FSW-C, FSW-6, and FSW-8

4A. **Gypsum Board* —** (As an alternate to item 4) - 5/8 in. thick, 4 ft wide, applied vertically and attached to studs with 1 in. long Type S steel screws spaced 12 in. OC along the edges and in the field of the boards. When Furring Channels (Item 2C) are used, gypsum board attached vertically to furring channels with 1 in. long Type S steel screws spaced 12 in. OC.

NATIONAL GYPSUM CO — Types FSW-3, FSMR-C.

4B. **Gypsum Board* —** (As an alternate to Items 4 through 4A) — Installed as described in Item 4. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically and fastened to the studs with 1 in. long Type S steel screws spaced 8 in. OC.

NATIONAL GYPSUM CO — Type SBWB

4C. **Gypsum Board* —** (As an alternate to 5/8 in. Type FSW in Item 4) — 2 layers nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal joints on the same side need not be staggered. Inner layer attached with fasteners, as described in item 4, spaced 24 in. OC. Outer layer attached per Item 4.

NATIONAL GYPSUM CO — Type FSW

System B - 2 Hr.

4. **Gypsum Board* —** 1/2 in. or 5/8 in. thick, 4 ft wide wallboard applied vertically in two layers. Inner or base layer attached to studs with 1 in. long Type S self-drilling, self-tapping bugle head steel screws spaced 24 in. OC along the edges and in the field of the boards. Outer or face layer attached to studs and channel track with 1-5/8 in. long Type S self-drilling, self-tapping bugle head steel screws spaced 12 in. along the edges and in the field of the boards, staggered from screws in inner layer. When Furring Channels (Item 2C) are used, inner or base layer attached to furring channels with 1 in. long Type S self-drilling, self-tapping bugle head steel screws. Outer or face layer attached to furring channels with 1-5/8 in. long Type S self-drilling, self-tapping bugle head steel screws spaced 12 in. OC and staggered 12 in. from base layer screws. Joints between inner and outer layers staggered. Outer layer joints covered with paper tape and joint compound. Exposed screw heads covered with joint compound.

NATIONAL GYPSUM CO — 1/2 in. thick, Types eXP-C, FSK-C, FSW-C, FSMR-C, 5/8 in. thick Types eXP-C, FSMR-C, FSK, FSK-C, FSL, FSW-C, FSW, FSW-3, FSW-5, FSW-6, and FSW-8

4A. **Gypsum Board* —** (As an alternate to 5/8 in. Type FSW in Item 4) — Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Two layers of 5/16 in. for every single layer of 5/8 in. gypsum board described in Item 4. Horizontal joints on the same side need not be staggered. Inner layer of each double 5/16 in. layer attached with fasteners, as described in item 4, spaced 24 in. OC. Outer layer of each double 5/16 in. layer attached per Item 4.

NATIONAL GYPSUM CO — Type FSW

4B. **Gypsum Board* —** (As an alternate to Items 4 and 4A) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically only and secured as described in Item 4.

NATIONAL GYPSUM CO — Type SBWB

4C. **Gypsum Board* —** (As an alternate to Items 4 through 4B) - 1/2 or 5/8 in. thick, 4 ft wide, applied in two layers. Base layer attached horizontally to studs and side "J" runners with 1 in. long Type S self-tapping steel screws starting at 2 in. from the floor and ceiling runners and spaced a maximum 24 in. OC along the vertical edges and in the field of the boards. Face layer installed vertically to studs and side "J" runners and attached with 1-5/8 in. long Type S self-tapping steel screws, starting at 3 in. from the floor and ceiling runners and spaced a maximum 12 in. OC along the vertical edges and in the field of the boards. Face layer joints covered with paper tape and two coats of joint compound. Exposed screw heads covered with two coats of joint compound.

NATIONAL GYPSUM CO — 1/2 in. thick Types eXP-C, FSW-C, FSMR-C, 5/8 in. thick Types eXP-C, FSK, FSW, FSL, FSMR-C, FSW-3, FSW-8, FSW-C, FSW-G.

System C - 2 Hr.

4. **Gypsum Board* —** 1/2 in. or 5/8 in. thick, 4 ft wide applied either horizontally or vertically and attached to studs and runners with 1 in. long Type S steel screws spaced 12 in. OC. When Furring Channels (Item 2C) are used, gypsum board attached vertically to furring channels with 1 in. long Type S steel screws spaced 12 in. OC. Outer layer joints covered with paper tape and joint compound. Exposed screw heads covered with joint compound.

NATIONAL GYPSUM CO — 1/2 in. thick Types eXP-C, FSK-C, FSW-C, FSMR-C, 5/8 in. thick Types eXP-C, FSMR-C, FSK, FSK-C, FSL, FSW-C, FSW, FSW-3, FSW-5, FSW-6, and FSW-8

4A. **Gypsum Board* —** (As an alternate to Item 4) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically only and secured as described in Item 4.

NATIONAL GYPSUM CO — Type SBWB

System D - 2 Hr.

3A. **Gypsum Board* —** (As an alternate to item 3) - 1 in. thick gypsum wallboard liner panels, supplied in nom 24 in. widths. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "T"-shaped section of "C-T" studs or "H"-shaped section of "C-H" studs (minimum 4 in. wide). Free edges of end panels attached to long leg of "J"-runners with 1-5/8 in. long Type S self-drilling, self-tapping bugle head steel screws spaced not greater than 12 in. OC.

NATIONAL GYPSUM CO — Type FSW-7, FSW-9

4. **Gypsum Board* —** 3/4 in. thick, 4 ft wide, applied vertically and secured with 1-1/4 in. long Type S self-drilling, self-tapping steel screws spaced 16 in. OC along floor and ceiling runners and 12 in. OC along studs and in the field.

NATIONAL GYPSUM CO — Type UltraShield

System E - 3 Hr.

4. **Gypsum Board* —** 5/8 in. thick, 4 ft wide wallboard applied vertically in three layers. Vertical joints centered over steel studs (Item 2, 2A, or 2B) and staggered min 24 in. First layer secured to studs with 1 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 24 in. OC at the perimeter and in the field. Second layer secured to studs with 1-5/8 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 12 in. OC at the perimeter and in the field. Joints in second layer shall be secured to first layer of gypsum board with 1-1/2 in. long Type G screws spaced 12 in. OC vertically, 2 in. from each side of the joint. Third layer secured to studs with 2-1/4 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 12 in. OC at the perimeter and in the field starting with a 6 in. stagger so as not to hit previous layers\' screws. Joints in third layer also secured to inner layers with 1-1/2 in. long Type G screws spaced 12 in. OC vertically, 2 in. from each side of the joint.

NATIONAL GYPSUM CO — Types eXP-C, FSW-C, FSK-C

System F - 4 Hr.

4. **Gypsum Board* —** 5/8 in. thick, 4 ft wide wallboard applied vertically in five layers. Vertical joints centered over steel studs (Item 2) and staggered min 24 in. First layer secured to studs with 1-1/8 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 12 in. OC at the perimeter and in the field. Second layer secured to studs with 1-5/8 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 12 in. OC at the perimeter and in the field. Horizontal butt joints in second layer shall be secured to first layer of gypsum board with 1-1/2 in. long Type G screws spaced 8 in. OC on both sides of the joint and in joint corners. Third layer secured to studs with 2-1/4 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 12 in. OC at the perimeter and in the field. Third layer also secured to inner layers with 1-1/2 in. long Type G screws spaced 12 in. OC vertically and centered between the Type S screws in the studs. Horizontal butt joints in third layer shall be secured to inner layers of gypsum board with 1-1/2 in. long Type G screws spaced 8 in. OC on both sides of the joint and in joint corners. Fourth layer secured to the furring channels (Item 3) with 1-1/8 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 12 in. OC. Horizontal butt joints in fourth layer shall be centered over furring channels (Item 3) and secured to furring channels with 1-1/8 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 8 in. OC on both sides of the joint. Fifth layer secured to furring channels with 1-5/8 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 12 in. OC. Fifth layer also secured to fourth layer with 1-1/2 in. long Type G screws spaced 16 in. OC along the vertical joints and centered between the Type S screws in the furring channels. Horizontal butt joints in fifth layer shall be centered over furring channels (Item 3) and secured to furring channels with 1-5/8 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 8 in. OC on both sides of the joint. Screws and horizontal butt joints staggered.

NATIONAL GYPSUM CO — Type eXP-C, FSW-C, FSK-C

5. **Joint Tape and Compound —** (Not Shown) — Joints on cuter layer of gypsum board (Item 4) covered with paper tape and joint compound. Paper tape and joint compound may be omitted when gypsum panels are supplied with square edges. Exposed screw heads covered with joint compound.

6. **Batts and Blankets* —** (Optional for all except System D) — When optional, mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt bearing the UL Classification Marking as to Fire Resistance. See Batts and blankets (BZJZ) Category For Names of Classified Companies. Required for System D - Nom 3 in. thick mineral wool batts, having a min. density of 2.5 lbs/ft³, friction fitted between the studs and floor and ceiling runners. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

6A. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 6) — (100% Borate Formulation) — Not for use with System D. Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product.

U S GREENFIBER L L C — INS735, INS745 and INS750LD for use with wet or dry application. INS765LD and INS773LD are to be used for dry application only.

6B. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 6) and Item 6A — Not for use with System D. Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.

NU-WOOL CO INC — Cellulose Insulation

6C. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 6) — Not for use with System D. Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft³.

INTERNATIONAL CELLULOSE CORP — Celbar-RL

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

Last Updated on 2020-06-12

1 A14.10

2 HOUR RATED SHAFTWALL DETAIL

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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Revisions:

DRAWN BY: FSGJ
CHECKED BY: KRC
DATE: 10/16/2023
SCALE: AS NOTED
PROJECT #: 23283
CAD DWG FILE: A14.10

10/18/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

SHEET OF
A14.10
PAGE OF

JANUS
INTERNATIONAL

1.01.01 Type: Continuous sheet rolling door Model 650 as manufactured by Janus International Corporation, Temple, GA. Available in sizes up to 10'0" x 10'0".

1.01 DESCRIPTION —

1.01.02. Mounting: To be interior or exterior face mounted on a prepared jamb.
1.01.03. Related Work: Preperation of opening, miscellaneous or structural steel, iron work, access panels, master keying cylinders, finish or field painting, electrical wiring, conduit, disconnecting switches are in the scope of the work of other sections or trades.

1.02 QUALITY ASSURANCE — Qualifications of Manufacturer: Products utilized in this section shall be manufactured by an organization who regularly engages in the production of similar products and has a proven history of successful manufactured products acceptable to the Architect, such as Janus International Corporation.

1.03 GUARANTEE — All doors and components specified herein shall be guaranteed to be free of workmanship and defect for a period of 3 years. **Part 2- PRODUCT**

2.01 CURTAIN —
2.01.01 Sheets: Continuous 20" corrugated sheets roll formed from 26 gauge ASTM A653 Grade 80 full hard steel and lock seamed together.
2.01.02 Finish: Galvanized and pre-painted with Super Durable Polyester paint guaranteed with a 40 year film integrity warranty to not crack, peel, flake, split, delaminate or blister. Additional guarantee up to 25 years against fading or changing color based on color chosen.
2.01.03 Bottom Bar: Roll formed clear acrylic coated galvanized steel reinforced with a 1-1/2" x 1-1/2" x 12 gauge galvanized angle that extends fully into the guides. Exterior mounted lift handle(s) and #6 Angola rope attached to interior angle.

2.02 WEATHERSTRIPPING —
2.02.01 Black PVC bulb-type astragal affixed to the bottom bar assembly provides positive contact with the floor.
2.02.02 Polyethylene wear strip furnished on both legs of each guide.
2.02.03 (Optional) Side draft stop attaching to guide with steel angle.
2.02.04 (Optional) Black flexible neoprene top draft stop with 2" lip attached to curtain.
2.02.05 (Optional) 4" Header seal attached to header jamb.

2.03 BARREL ASSEMBLY — Galvanized coil steel fabricated in a 9-1/2" diameter spiral formation to enclose spring counterbalance system and provide full span curtain weight support. Attached galvanized drums are furnished with grease-filled, shielded radial ball bearings at rotating points around the axle.

2.04 SPRING COUNTERBALANCE — Factory lubricated, oil tempered, helical torsion springs located inside the barrel and made of wire conforming to ASTM A229. Springs are attached to the steel axle tube by means of a welded spring stop. Axle tube provided is sufficient size to carry curtain load and spring torque.

2.05 SUPPORT BRACKETS — Galvanized and reinforced one-piece 12 gauge formed steel brackets are factory installed to the door assembly.

2.06 SPRING TENSIONER — Left end external mounted ratchet tensioner device allows for field adjustment of spring tension on all springs.

2.07 GUIDE ASSEMBLY — Universal mounted guides roll formed from 18 gauge galvanized steel and fitted with leg wear strips. 1-5/8" guide depth furnished for sufficient curtain engagement. Removable galvanized door stop at top of each guide.

2.08 OPERATION —
2.08.01 Hand operated with #6 Angola rope attaching to the bottom bar assembly.
2.08.02 (Optional) Internal right hand drive electric operator (furnished by vendor).

2.09 LOCKING MECHANISM — Single yellow zinc or optional stainless steel mini latch factory installed on right side of door (outside looking in) with four bolts. Slide exhibits magnetic properties that can activate guide mounted security sensors. Accepts all industry padlocks, including 7/16" diameter shanks. Provisions for cylinder lock included.

2.10 FINISH — Non-galvanized surfaces, excluding axle tube, to consist of shop coat of rust inhibitor primer. **Part 3- EXECUTION**

3.01 INSTALLATION— To be performed by an authorized Janus International Corporation representative or professional door installer in accordance with the Janus installation standards, instructions and recommendations.

HEAD ROOM REQUIREMENTS

Opening Height	Vertical Headroom	Horizontal Headroom
Thru 7'4"	15-1/2"	17"
Over 7'4" thru 8'8"	16"	17-1/2"
Over 8'8" thru 10'0"	17-1/2"	18-1/4"

SIDE ROOM REQUIREMENTS

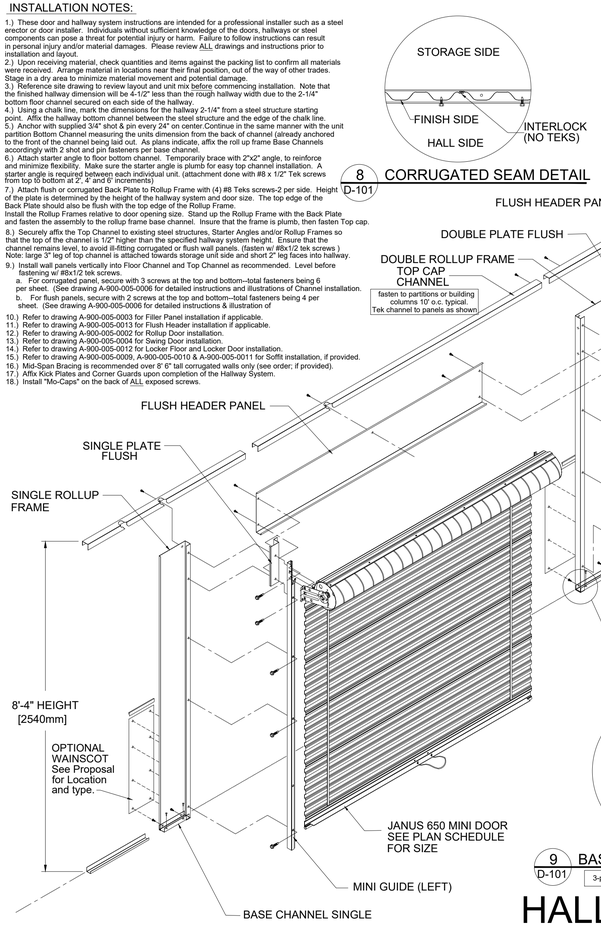
Operation	Back of Guide	Outside of Bracket Tensioner End	Outside of Bracket Drive End	Each End of Axle
Push Up and	2"	2"	3-3/16"	3-3/4"5"	3"
3" Electric **	17" of			

*Vertical head room: the space above the clear opening on the same face of wall (header). **Horizontal head room: the amount of space required off of the wall to which the door is fastened. ***Side room: the amount of space required on each side away from the opening along the face of the wall. ****Includes internal electric operator

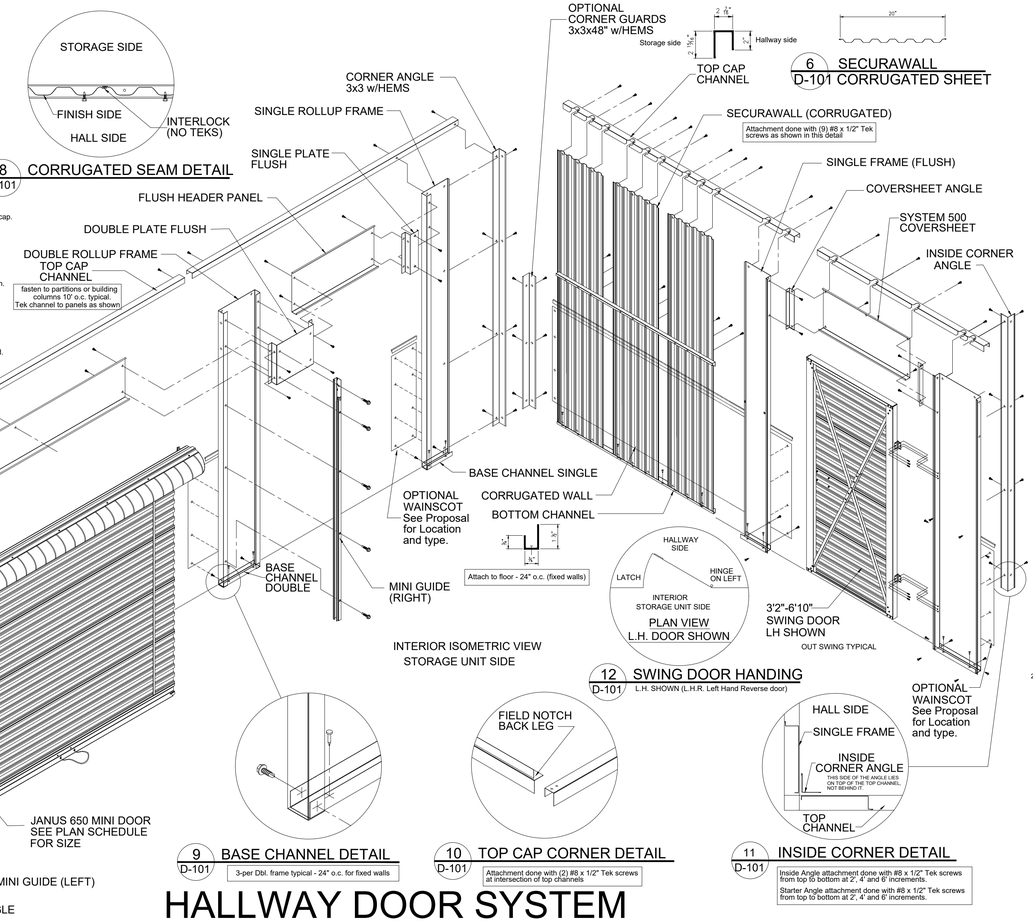
2 JANUS DOORS SPECIFICATIONS
A15.0 NO SCALE

INSTALLATION NOTES:

1.) These door and hallway system instructions are intended for a professional installer such as a steel erector or door installer. Individuals without sufficient knowledge of the doors, hallways or steel components can pose a threat for potential injury or harm. Failure to follow instructions can result in personal injury and/or material damages. Please review ALL drawings and instructions prior to installation and layout.
2.) Upon receiving material, check quantities and items against the packing list to confirm all materials were received. Arrange material in locations near their final position, out of the way of other trades. Stage in a dry area to minimize material movement and potential damage.
3.) Reference site drawing to review layout and unit mix before commencing installation. Note that the finished hallway dimension will be 4-1/2" less than the rough hallway width due to the 2-1/4" bottom floor channel secured on each side of the hallway.
4.) Using a chalk line, mark the dimensions for the hallway 2-1/4" from a steel structure starting point. Affix the hallway bottom channel between the steel structure and the edge of the chalk line.
5.) Anchor with supplied 3/4" shot & pin every 24" on center.Continue in the same manner with the unit partition Bottom Channel measuring the units dimension from the back of channel (already anchored to the front of the channel being laid out. As plans indicate, affix the roll up frame Base Channels accordingly with 2 shot and pin fasteners per base channel.
6.) Attach starter angle to floor bottom channel. Temporarily brace with 2"x2" angle, to reinforce and minimize flexibility. Make sure the starter angle is plumb for easy top channel installation. A starter angle is required between each individual unit. (attachment done with #8 x 1/2" Tek screws from top to bottom at 2', 4' and 6' increments)
7.) Attach flush or corrugated Back Plate to Rollup Frame with (4) #8 Teks screws-2 per side. Height of the plate is determined by the height of the hallway system and door size. The top edge of the Back Plate should also be flush with the top edge of the Rollup Frame.
Install the Rollup Frames relative to door opening size. Stand up the Rollup Frame with the Back Plate and fasten the assembly to the rollup frame base channel. Insure that the frame is plumb, then fasten Top cap.
8.) Securely affix the Top Channel to existing steel structures, Starter Angles and/or Rollup Frames so that the top of the channel is 1/2" higher than the specified hallway system height. Ensure that the channel remains level, to avoid ill-fitting corrugated or flush wall panels. (fasten w/ #8x1/2 tek screws)
Note: large 3" leg of top channel is attached towards storage unit side and short 2" leg faces into hallway.
9.) Install wall panels vertically into Floor Channel and Top Channel as recommended. Level before fastening w/ #8x1/2 tek screws.
a. For corrugated panel, secure with 3 screws at the top and bottom--total fasteners being 6 per sheet. (See drawing A-900-005-0006 for detailed instructions and illustrations of Channel installation.
b. For flush panels, secure with 2 screws at the top and bottom--total fasteners being 4 per sheet. (See drawing A-900-005-0006 for detailed instructions & illustration of
10.) Refer to drawing A-900-005-0003 for Filler Panel installation if applicable.
11.) Refer to drawing A-900-005-0013 for Flush Header installation if applicable.
12.) Refer to drawing A-900-005-0002 for Rollup Door installation.
13.) Refer to drawing A-900-005-0004 for Swing Door installation.
14.) Refer to drawing A-900-005-0012 for Locker Floor and Locker Door installation.
15.) Refer to drawing A-900-005-0009, A-900-05-0010 & A-900-005-0011 for Soffit installation, if provided.
16.) Mid-Span Bracing is recommended over 8' 6" tall corrugated walls only (see order; if provided).
17.) Affix Kick Plates and Corner Guards upon completion of the Hallway System.
18.) Install "Mo-Caps" on the back of ALL exposed screws.



8 CORRUGATED SEAM DETAIL D-101



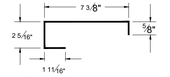
6 SECURAWALL D-101 CORRUGATED SHEET

12 SWING DOOR HANDING D-101 L.H. SHOWN (L.H.R. Left Hand Reverse door)

9 BASE CHANNEL DETAIL D-101 3-per Dbl. frame typical - 24" o.c. for fixed walls

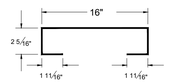
10 TOP CAP CORNER DETAIL D-101 Attachment done with (2) #8 x 1/2" Tek screws at intersection of top channels

11 INSIDE CORNER DETAIL D-101 Inside Angle attachment done with #8 x 1/2" Tek screws from top to bottom at 2', 4' and 6' increments.
Starter Angle attachment done with #8 x 1/2" Tek screws from top to bottom at 2', 4' and 6' increments.



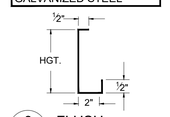
1 SINGLE D-101 ROLL UP FRAME

SIZE = 7 3/8"	HEIGHT
FRAME HGT.= HALL HGT.	
DESCRIPTION	
20 GAGE PRE-FINISHED	
GALVANIZED STEEL	



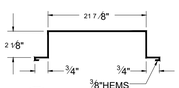
2 DOUBLE D-101 ROLL UP FRAME

SIZE = 16"	HEIGHT
FRAME HGT.= HALL HGT.	
DESCRIPTION	
20 GAGE PRE-FINISHED	
GALVANIZED STEEL	



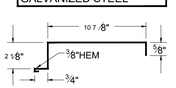
3 FLUSH D-101 HEADER PANEL

DESCRIPTION
20 GAGE PRE-FINISHED
GALVANIZED STEEL



4 DOUBLE D-101 SWING FRAME

SIZE = 21 7/8"	HEIGHT
FRAME, HGT.= HALL HGT.	
DESCRIPTION	
20 GAGE PRE-FINISHED	
GALVANIZED STEEL	



5 SINGLE D-101 SWING FRAME

SIZE = 10 7/8"	HEIGHT
FRAME, HGT.= HALL HGT.	
DESCRIPTION	
20 GAGE PRE-FINISHED	
GALVANIZED STEEL	

HALLWAY DOOR SYSTEM

FLUSH HEADERS & CORRUGATED SECUREWALL (FIXED WALLS) 8'-0" FINISHED HALLWAY HEIGHT

UNLESS NOTED OTHERWISE ON PLAN

TEKS SCREW #8 X 1/2" (HALLWAY) | PERCUSSION 3/4" FASTENERS (FLOOR) | STITCH TEK SCREW 1/4-14 X 7/8" (ROLL UP) | 1/4-20 X 1" PHILLIPS FLATHEAD HINGE SCREW (SWING DOOR)

General Notes:
1.) Factory prefinished Glossy White frames and headers standard.
2.) Non Load bearing hallway storage unit system shown.

1 JANUS HALLWAY SYSTEM TYPICAL DETAILS
A15.0 NO SCALE

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

NOTE:
JANUS OR APPROVED EQUAL PER APPROVED SHOP DRAWINGS.

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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Revisions:

DRAWN BY: FS/GJ
CHECKED BY: KRC
DATE: 10/16/2023
SCALE: AS NOTED
PROJECT #: 23053
CAD DWG FILE: 15.0

10/18/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

SHEET OF
A15.0
PAGE OF

NOTES:

1) FASTEN THE BOTTOM CHANNEL TO THE FLOOR 24" OC USING AIR, BUTANE OR POWDER ACTUATED FASTENERS.

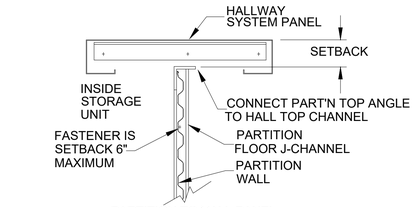
2) CONNECT THE TOP ANGLE TO THE HALLWAY SYSTEM AND 2x2 MESH BRACING ANGLES WITH TEK SCREW FASTENERS.

3) INSERT THE CORRUGATED WALL PANELS INTO THE TOP ANGLE AND BOTTOM CHANNEL. SLIDE INTERLOCKING "FINGERS" OF THE CORRUGATED UNTIL SECURE AND FASTEN THE TOP OF THE CORRUGATED WALL SECTIONS TO THE TOP ANGLE'S OUTER LIP USING TEKS SCREWS (AS SHOWN IN THE REAR VIEW).

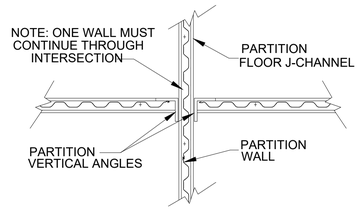
4) SECURE THE BOTTOM OF THE CORRUGATED WALL SECTIONS TO THE BOTTOM CHANNEL'S FRONT FACE USING TEKS SCREWS (AS SHOWN IN REAR VIEW).

5) SECURE THE MIDSPAN BRACING CHANNEL ACROSS THE BACK OF THE CORRUGATED WALL SECTIONS USING TEKS SCREWS (AS SHOWN IN REAR VIEW).

6) SECURITY MESH 2x2x16gage Galvanized WWF SUPPORTED WITH 2x2x120 ANGLES 60" OC. TOP OF MESH TO BE 18" MINIMUM BELOW SPRINKLER HEAD DIFFUSERS.



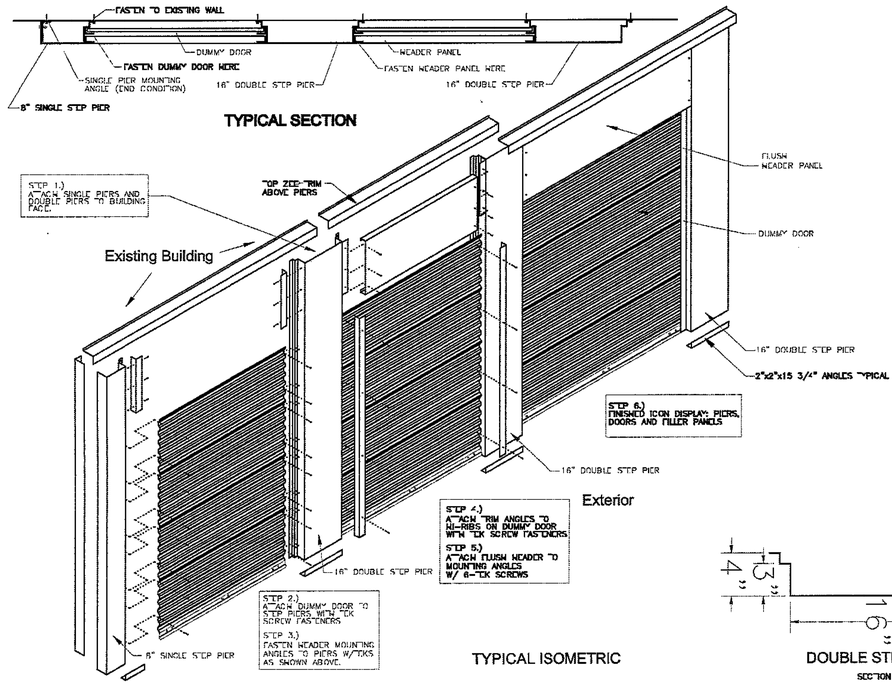
PARTITION TO HALL PANEL
PLAN VIEW



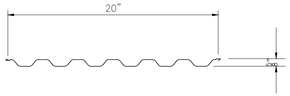
PARTITION INTERSECTION
PLAN VIEW

NOTE:

JANUS OR APPROVED EQUAL PER APPROVED SHOP DRAWINGS.



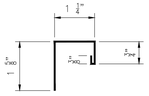
3 A15.1 JANUS FAUX DOOR TYPICAL DETAILS
NO SCALE



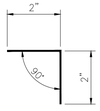
CORRUGATED SHEET PROFILE

MATERIAL:
26 GAGE GALVALUME STEEL

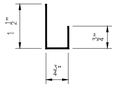
TOP ANGLE PROFILE
20 GAGE STEEL



MIDSPAN CHANNEL PROFILE
20 GAGE STEEL (option; see proposal)



STARTER AND END ANGLE
20 GAGE STEEL



BOTTOM CHANNEL PROFILE
20 GAGE STEEL

Unit Dividing Partition Assembly

NON LOAD BEARING

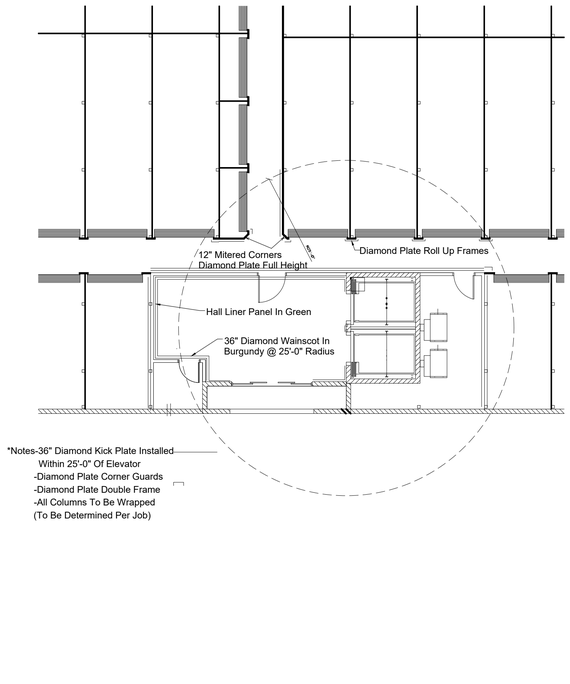
TEKS SCREW #8 X 1/2" (HALLWAY)	PERCUSSION 3/4" FASTENERS (FLOOR)

General Notes:

1.) Factory Galvalume finish standard.
2.) Non Load bearing Unit dividing system shown.

8'-0" FINISHED PARTITION HEIGHT
UNLESS NOTED OTHERWISE ON PLAN

1 A15.1 JANUS STORAGE UNIT DIVIDING PARTITION TYPICAL DETAILS
NO SCALE



2 A15.1 JANUS KICK PLATE & CORNER GUARD DETAILS
NO SCALE

REVIEWED FOR CODE COMPLIANCE
TOWN OF GLEN RIDGE
APPROVED BY JOSE RODRIGUEZ
PX-3697

GLEN RIDGE SELF-STORAGE
SOUTHERN BOULEVARD
GLEN RIDGE, FLORIDA

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Revisions:

DRAWN BY: FS/GJ
CHECKED BY: KRC
DATE: 10/16/2023
SCALE: AS NOTED
PROJECT #: 23253
CAD DWG FILE: A15.1

10/18/2024
CONSTRUCTION DOCUMENTS

KENNETH R. CARLSON
AR12546

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A15.1
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