SMART BEAUTIFUL SPACES

# JACKIE ROBINSON TRAINING COMPLEX

3951 26TH STREET VERO BEACH, FLORIDA 32960

**EXECUTIVE BUILDING** 

5391 LAKEWOOD RANCH BLVD. NORTH SUITE 300, SARASOTA, FLORIDA 34240 PH. 941.343.4070 FX. 941.749.5747

**CONSTRUCTION MANAGER** 

PROCTOR CONSTRUCTION CO.

2050 US-1, SUITE 200 VERO BEACH, FL 32960 PH: 772.234.8164

MECHANICAL, ELECTRICAL, STRUCTURAL & PLUMBING ENGINEERS SMITH SECKMAN REID ENGINEERING

2601 CATTLEMAN ROAD, SUITE 300 SARASOTA, FL 34232 PH: 941.907.7750

FLORIDA TRANSPORTATION ENGINEERING

**11458 N 53RD STREET TAMPA, FL 33617** PH: 813.989.0729



#### SHEET INDEX

#### CIVIL

#### CC-1.00 COVER SHEET TOPOGRAPHIC SURVEY COVER SHEET TOPOGRAPHIC SURVEY PLAN C-1.00 GENERAL NOTES AND SPECIFICATIONS C-2.00 AERIAL MAP

C-3.00 SITE PLAN
C-3.01 SERVICE CART IMPROVEMENT PLAN C-4.00 PAVING AND DRAINAGE PLAN C-5.00 UTILITY PLAN C-6.00 PAVING AND DRAINAGE DETAILS C-7.00 UTILITY DEPARMENT DETAILS

EC-1.00 EROSION CONTROL NOTES

EC-1.01 EROSION CONTROL DETAILS

LA-1.00 LANDSCAPE PLANTING PLAN

### ARCHITECTURAL

ABBREVIATIONS, NOTES & SYMBOLS A0.2 UL DETAILS UL DETAILS SITE DEMOLITION PLAN

OVERALL SITE PLAN ARCHITECTURAL SITE PLAN A1.2 CODE ANALYSIS A2.0 A2.1 LIFE SAFETY PLANS A3.0 SLAB PLANS

A3.1.1 DIMENSIONS, NOTES & TAGS PLANS - GROUND FLOOR A3.2.1 DIMENSIONS, NOTES & TAGS - SECOND FLOOR A3.3 REFLECTED CEILING PLANS FINISH LEGEND, FINISH SCHEDULE AND FURNITURE

A4.1 ROOF PLAN & DETAILS CANOPY PLAN AND DETAILS EXTERIOR ELEVATIONS

EXTERIOR MATERIAL ELEVATIONS BUILDING SECTIONS WALL SECTIONS WALL TYPES AND DETAILS

DOOR SCHEDULE, TYPES & DETAILS STOREFRONT TYPES & DETAILS ENLARGED RESTROOM PLANS & ELEVATIONS ENLARGED STAIR AND ELEVATOR PLANS AND

ELEVATOR AND STAIR DETAILS

INTERIOR ELEVATIONS & DETAILS A10.1 CASEWORK DETAILS

A10.2 NETTING DETAILS

S0.1 S1.0 AND DETAILS

GENERAL NOTES SPECIAL INSPECTIONS FOUNDATION & MEZZANINE PLANS FOUNDATION SECTIONS AND MASONRY & MEZZANINE SECTIONS

**STRUCTURAL** 

**MECHANICAL** MECHANICAL LEGENDS, NOTES AND SHEET MECHANICAL EQUIPMENT SCHEDULES MECHANICAL VENTILATION TABLE MECHANICAL SPECIFICATIONS

MECHANICAL DETAILS

M0.5 MECHANICAL SPECIFICATIONS MECHANICAL SPECIFICATIONS MECHANICAL - GROUND FLOOR MECHANICAL - SECOND FLOOR MECHANICAL CONTROLS MECHANICAL DETAILS

#### PLUMBING

PLUMBING LEGENDS, INDEX AND NOTES PLUMBING SITE PLAN P3.0.1 PLUMBING PLAN - UNDERGROUND PLUMBING PLAN - FIRST FLOOR PLUMBING PLAN - SECOND FLOOR

PLUMBING PLAN - ROOF PLAN PLUMBING DETAILS PLUMBING DETAILS P5.2 DOMESTIC WATER RISER DIAGRAM SANITARY RISER DIAGRAM PLUMBING ENLARGED

#### **FIRE PROTECTION**

FIRE PROTECTION LEGENDS, INDEX AND FIRE PROTECTION NOTES AND SPECIFICATIONS

FIRE PROTECTION PLAN - FIRST FLOOR FIRE PROTECTION PLAN - SECOND FLOOR FIRE PROTECTION DETAILS

#### **ELECTRICAL**

ABBREVIATION, SYMBOLS & SHEET INDEX E0.2 ELECTRICAL NOTES/SCHEDULES E0.3 ELECTRICAL SPECIFICATIONS ED2.1 ELECTRICAL SITE DEMO PLAN

E1.2 ELECTRICAL SITE PLAN E3.1.1 ELECTRICAL LIGHTING & POWER PLANS E3.1.2 ELECTRICAL LIGHTING & POWER PLANS SECOND FLOOR

E4.1 ELECTRICAL LIGHTNING PROTECTION -**ROOF PLAN** ELECTRICAL ONE LINE DIAGRAM E7.1 ELECTRICAL DETAILS

E7.2 ELECTRICAL DETAILS ELECTRICAL PANEL SCHEDULES EY2.1 ELECTRICAL FIRE ALARM PLANS -

GROUND & SECOND FLOOR

#### **TECHNOLOGY**

T0.0 TECHNOLOGY - LEGENDS, INDEX AND NOTES T0.1 TECHNOLOGY - SPECIFICATIONS TD1.0 TECHNOLOGY DEMOLITION SITE PLAN

T1.1 TECHNOLOGY SITE PLAN T3.1.1 TECHNOLOGY FLOOR PLANS - GROUND FLOOR TECHNOLOGY FLOOR PLAN - SECOND FLOOR T3.2.1 TECHNOLOGY DETAILS

T5.2 TECHNOLOGY DETAILS T5.3 TECHNOLOGY DETAILS

Project No. Drawn By Checked By

Revisions:

1 Addendum 1

02.10.2023

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663

100% CONSTRUCTION **DOCUMENTS** 

of Florida Statutes.

ALT #1: REMOVE FIELD APPLIED SALT SPRAY FROM HVAC SYSTEM AS SPECIFIED ON M0.2 ALT #2: ALL SOLID CORE DOORS
DOWNGRADED TO HOLLOW METAL DOORS



Originals printed at 24" x 36" scale as required © 2022 All rights reserved

02.10.2023

100% CONSTRUCTION DOCUMENTS

Project No.

Checked By

Drawn By

Revisions:

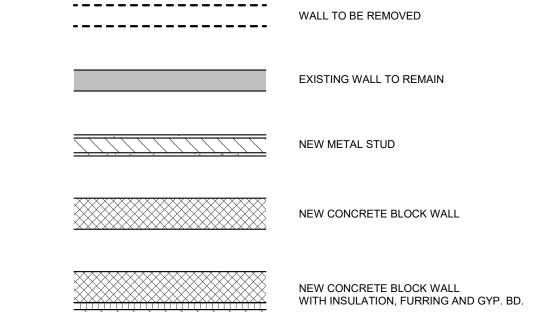
100% CONSTRUCTION **DOCUMENTS** 

**ABBREVIATIONS NOTES & SYMBOLS** 

> Originals printed at 24" x 36" scale as required

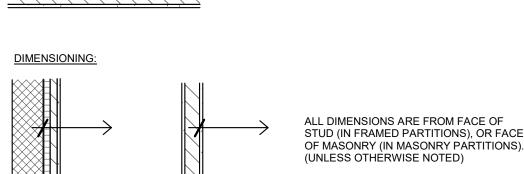
© 2022 All rights reserved

NORTH ARROW A. THE DRAWINGS IN THIS SET ARE ORGANIZED AS FOLLOWS: EACH DRAWING IS IDENTIFIED BY THE SHEET NUMBER IN THE LOWER RIGHT HAND CORNER OF THE TITLEBLOCK. SEE SHEET MATCH LINE 1. DISCIPLINE: THE FIRST LETTER INDICATES THE DISCIPLINE THAT CREATED THE DRAWING (I.E. A = ARCHITECTURAL). DOOR w/ NUMBER (SEE SCHEDULE) 2. DETAIL IDENTIFICATION: THE LETTER OR NUMBER AT THE END OF A DETAIL REFERENCE SYMBOL A1/A3.1.2 INDICATES REFERENCE TO A SPECIFIC DRAWING OR DETAIL POSITION ON THE SHEET. WINDOW TAG 2. THE CONTRACTOR SHALL WORK WITHIN THE AREA BOUNDARIES INDICATED IN THE PROJECT DOCUMENTS, AND SHALL B. DISCIPLINES ARE ORGANIZED IN THE FOLLOWING MANNER (AS REQUIRED): COMPLY WITH ALL APPLICABLE BUILDING CODE, REGULATION, & ORDINANCE REQUIREMENTS. OCCUPANTS ADJACENT TO THE ROOM NAME ROOM NAME 3. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY FIELD CONDITIONS AND COORDINATION WITH THE PROJECT LANDSCAPE **ROOM NUMBER** IRRIGATION 4. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE WORK WITH ALL REQUIREMENTS INDICATED IN THE PROJECT DOCUMENTS. ROOM SQUARE FOOT 5. THE CONTRACTOR SHALL PERFORM THE WORK AT THE PROJECT SITE DURING NORMAL BUSINESS HOURS, UNLESS OTHERWISE NOTED. ARCHITECTURA 6. THE CONTRACTOR SHALL COORDINATE THE WORK WITH EQUIPMENT, FURNISHINGS, AND SYSTEMS PROVIDED BY THE OWNER. INTERIOR DESIGN STRUCTURAL 10'-0" CEILING HEIGHT FOOD SERVICE MECHANICAL / HVAC ACCESSORY TAG PLUMBING FIRE PROTECTION 2. "SIMILAR" OR "SIM" INDICATES COMPLETE SYSTEM AND COMPONENTS COMPARABLE TO THE CHARACTERISTICS FOR THE CONDITION NOTED. ELECTRICAL (X-XX)WALL TYPE 3. "AS REQUIRED" OR "REQ'D" INDICATES CONTRACTOR SHALL PROVIDE COMPONENTS REQUIRED TO COMPLETE THE NOTED TECHNOLOGY / DATA DISTRIBUTION (123)**KEY TAG** 4. "ALIGN" INDICATES ACCURATELY PROVIDE FINISH FACES OF MATERIALS IN STRAIGHT, TRUE, AND PLUMB RELATION ADJACENT MATERIALS. C. ARCHITECTURAL CATEGORIES ARE TYPICALLY ORGANIZED IN THE FOLLOWING MANNER (AS REQUIRED) REVISION DELTA w/ CLOUD SITE PLANS & DETAILS LIFE SAFETY PLANS & CODE INFORMATION 1. DIMENSIONS ARE INDICATED TO THE CENTERLINE OF THE STRUCTURAL GRID, FACE OF UNFINISHED CONCRETE WALL, FLOOR PLANS ( DEMOLITION, FLOOR, FINISH, REFLECTED CEILING) ROOF PLANS, ROOF DETAILS NOMINAL FACE OF C.M.U. WALL OR FACE OF UNFINISHED PARTITION AS SCHEDULED, UNLESS OTHERWISE NOTED. EXTERIOR BUILDING ELEVATION AND SHEET NUMBER EXTERIOR ELEVATIONS ANY DISCREPANCY IN DIMENSIONS BETWEEN PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT. 3. MINIMUM DIMENSIONS FOR ACCESSIBILITY CLEARANCES AND BUILDING CODE REQUIREMENTS SHALL BE MAINTAINED.
4. FLOOR ELEVATIONS ARE INDICATED AT THE FACE OF THE STRUCTURAL SLAB, UNLESS OTHERWISE NOTED. BUILDING SECTIONS, WALL SECTIONS, DETAILS, STAIR PLANS & DETAILS WALL TYPES, WALL DETAILS CEILING HEIGHTS ARE INDICATED FROM THE FLOOR ELEVATION TO THE FACE OF FINISH MATERIAL, UNLESS OTHERWISE NOTED.
 DOOR JAMBS IN STUD WALLS SHALL BE LOCATED 4 INCHES FROM ADJACENT WALLS UNLESS OTHERWISE NOTED. DOOR JAMBS IN CMU WALLS DOOR, FRAMES & WINDOW DETAILS ENLARGED FLOOR PLANS & INTERIOR ELEVATIONS INTERIOR ELEVATIONS AND SHEET NUMBER GENERAL NOTES 7 **DRAWING ORGANIZATION** 5 BUILDING/WALL SECTION CUT AND SHEET NUMBER DETAIL CUT AND SHEET NUMBER ELEVATION REFERENCE ELEVATION BENCHMARK PAINTED CEMENT PLASTER COLUMN AND GRID LINE INDICATES FINISHED SURFACES TO ALIGN PLYWOOD, SHEATHING METAL STUD FRAMING SAND, GYPSUM WALLBOARD MATERIAL INDICATIONS 4



STUD

MASONRY





DOUBLE 4' X 8' JOB SIGN TO BE FURNISHED BY THE ARCHITECT WITH APPROPRIATE LOGO AND INFORMATION AT TIME

OF ACCEPTANCE. ARCHITECT TO COORDINATE SIGN DESIGN, SIZE OF LETTERING AND LOCATION OF SIGN WITH CONTRACTOR"

-DOUBLE 8' X 4' PLYWOOD SIGN-

MOUNTED ON 4X4 PT.

WOOD POSTS.

**ARCH/INTERIOR ABBREVIATIONS** 8

- ANCHOR BOLT

- ACOUSTICAL

- ADJUSTABLE

- ALTERNATE

- ALUMINUM

ANODIZED

- AUTOMATIC

- BOARD

- BRICK

- BOTTOM

- BUILDING

- BEARING

- CATEGORY

- CERAMIC

- CHANNEL

- CEILING

- CLOSET

- CLEAN-OUT

- COLUMN

- CONCRETE

- CONSTRUCTION

- CONTINUOUS

- COORDINATE

- CARPET

- DOUBLE

- DETAIL - DIAMETER

- CUSTODIAL

- COLD WATER

- DEEP, DEPTH

- DEMOLITION

- DIMENSION

- DISPENSER

DOWNSPOUT

- DRAWING

- EACH

- DISHWASHER

- EXPANSION BOLT

- ELECTRICAL

- EMERGENCY

- ENCLOSURE

EQUIPMENT

- EXISTING

- FXPANSION

- FXTFRIOR

- FIRE ALARM

FLOOR DRAIN

- FIRE EXTINGUISHER

- FINISHED FLOOR

- FIBERGLASS

- FINGER JOINT

- FLUORESCENT

FOOT / FEET

- FOOTING

- GAUGE

- GLASS

- GROUND GYP.BD. - GYPSUM WALLBOARD

- HOSE BIBB

- HARDWARE

- HOLD-OPEN

- HORIZONTAL

- HOT WATER

- INFORMATION

- INSULATION

- INTERIOR

INVERT

- JANITOR

- KIP (1000 LBS) - KNOCKOUT

- LABORATORY

- LAVATORY

- LINEAR FOOT

- POUND

- LAMINATE OR LAMINATION

- JOINT

- HOUR

- FURNITURE

- GALVANIZED

- HIGH OR HEIGHT

- HOLLOW CORE

- GENERAL CONTRACTOR

- HOLLOW METAL (STEEL FRAME)

- INCLUDED OR INCLUDING

- HEATING, VENTILATION, AIR CONDITIONING

- FIXTURE

- FLOOR

- EQUAL

- EXPANSION JOINT

- ELEVATION OR ELEVATOR

- ELECTRICAL WATER COOLER

- FIRE ALARM ANNUNCIATOR PANEL

- FIRE ALARM CONTROL PANEL

- FIRE EXTINGUISHER CABINET

FIRE DEPARTMENT CONNECTION

- FURNITURE, FINISHES & EQUIPMENT

- EXTERIOR INSULATION FINISH SYSTEM

- DOOR OR DRAIN

- DEPARTMENT

- CAST IRON

- CAST IN PLACE

- CONTROL JOINT

- CONCRETE MASONRY UNIT

- CONDENSER OR CONDITION

- AUDIO VISUAL

- APPROXIMATE

- ARCHITECTURAL

ACOUS

ANOD

ARCH

ACT

BLDG

BRG

BRK

BTM

CAT

CER

CLG

CLO

CLR

CMU

CO

COL

CONC

COND

CONST

CONT

CPT

CW

DBL

DEPT

DET

DIM

DISP

EIFS

**ELEV** 

**EMERG** 

ENCL

**EXIST** 

EXP EXT

FACP

FDC

FF & E

FIXT

FLUOR

FTG

GA

GALV

GRD

HM

HORIZ

INFO

INSUL

INT

LAV

COORD

CHAN

**APPROX** 

- AIR CONDITIONING

- ABOVE FINISH FLOOR

- AIR HANDLER UNIT

AMERICAN DISABILITY ACT

- ACOUSTICAL CEILING TILE

- METER

- MASONRY

- MATERIAL

- MAXIMUM

MECHANICAL

- MEZZANINE

- MISC. FLOORING

- MANUFACTURER

- MISCELLANEOUS

- MASONRY OPENING

- MOISTURE RESISTANT

MARKERBOARD

- NOT APPLICABLE

- NOT TO SCALE

- NOT IN CONTRACT

- OUTSIDE DIAMETER/DIMENSION

- MILLIMETER

- MICROWAVE

MINIMUM .

- MOUNT

- MULLION

- NORTH

- NOMINAL

- NUMBER

- OFFICE

- OPENING

- OPPOSITE

- PHONE

PLYWD - PLYWOOD

- PLUMBING

PREFAB - PREFABRICATED PROJ - PROJECT

QUANTITY

- ROOF DRAIN

- REQUIRED

- ROOM

- SOUTH

- SECTION

- SHEET

- SIMILAR

- SHOWER

- SPECIALTY

- SPRINKLER

- SPEAKER

- SQUARE

STANDARD

- STORAGE

- STRUCTURAL

- SUSPENDED

- TEMPERED

THROUGH

- TUBE STEEL

- TELEVISION

- VINYL FLOORING

- VERIFY IN FIELD

- WATER CLOSET

- WOOD FLOORING

- WATER HEATER

- WATERPROOFING

- WINDOW TREATMENT

- WELDED WIRE MESH

- WALL FINISH

VERTICAL

- WOOD

- WITHOUT

**ANGLE** 

CENTER LINE

DIAMETER OR ROUND

SQUARE FOOT (FEET) STRUCTURAL TEE

DEGREE

NUMBER

PLATE

- TYPICAL

- TACKBOARD

- STEEL

- SPECIFICATION

- STAINLESS STEEL

- TREAD OR THICKNESS

- TRIMS & MILLWORK

- FLOOR TRANSITION

- TONGUE & GROOVE

- UNLESS NOTED OTHERWISE

- UNDERWRITER'S LABORATORY

SCHED - SCHEDULE

- SANITARY - SOLID CORE

REFRIGERATOR

- OVERHEAD

- PRECAST CONCRETE

- POUNDS PER LINEAR FOOT

- POUNDS PER SQUARE FOOT

- REFLECTED CEILING PLAN

- REINFORCING STEEL BAR

- REVISION OR REVISED

- RAIN WATER LEADER

- SQUARE FEET / FOOT

- SOLID SURFACE MATERIAL

- RUBBER FLOORING

- ROUGH OPENING

- RESTROOM

- ROUGH SAW

- REINFORCED OR REINFORCING

- STORM DRAIN OR SOAP DISPENSER

- PRESSURE TREATED

- RISER OR RADIUS

- PERPENDICULAR

- PLASTIC LAMINATE

- ON CENTER

- METAL

MEZZ

MICRO

MISC

MKBD

MTL

MUL

NTS

OFF

OPNG

OVHD

PLUMB

PSF

QTY

REBAR

REINF

REQ'D

SECT

SHT SIM

SPEC

SPKLR SPKR

SQ SS

STD

STOR

SUSP

TKBD

UNO

VERT

WDF

WP

STRUCT

- MAINTENANCE

- MEDICINE CABINET

- MEDIUM DENSITY FIBERBOARD

- MEDIUM DENSITY OVERLAY PLYWOOD A. GENERAL NOTES:

PROVIDE COMPLETE PROJECT SYSTEMS AND COMPONENTS INDICATED ON THE PROJECT DOCUMENTS.

PROJECT AREA BOUNDARIES SHALL CONTINUE UNINTERRUPTED OCCUPANCY.

1. "TYPICAL" OR "TYP" INDICATES IDENTICAL COMPLETE SYSTEM FOR THE CONDITION NOTED.

2. ALIGNMENT OF PARTITIONS AND FINISHES AS SCHEDULED SHALL BE STRAIGHT, TRUE & PLUMB.

SHALL BE LOCATED 8 INCHES FROM ADJACENT WALLS UNLESS OTHERWISE NOTED.

DOCUMENTS PRIOR TO PROCEEDING WITH THE WORK.

SYSTEM AS INDICATED IN THE PROJECT DOCUMENTS.

B. DEFINITIONS:

SIGNAGE 6

**LOCATION MAP** 

—PROJECT SITE

**SYMBOLS** 

1/8" = 1'-0"

WALL LEGEND 3

UL Solutions

#### Fire-resistance Ratings - ANSI/UL 263 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

Only products which bear UL's Mark are considered Certified.

Design No. **U415** 

February 14, 2022

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr ons employing the UL or cUL Certification (such as System A - 1 Hr.

24 in. or 600 mm 0.C. A commence of the commence of Horizontal Section

System B - 2 Hr. 24 in. or 600 mm O.C. --Horizontal Section System C - 2 Hr. 24 in. or 590 min O.C. ---Horizontal Section System D - 2 Hr. -- 84 in. or 606 mm 0.C. ---Horizontal Section System E - 2 Hr. 24 in. or 600 mm 0.C.

Horizontal Section

System F - 2 Hr. 24 in. or 600 mm 0.C. (2B) Horizontal Section System G - 3 Hr. 24 in. or 800 mm 0.C. Horizontal Section System H - 3 Hr. 24 in, or 600 mm 0.C. Horizontal Section System I - 4 Hr. - 24 in. or 800 mans O.C. --<u>a registro con la consistencia i es</u> responsa a consistencia de la consistencia del consistencia de la cons

(2) (C) Horizontal Section 1. Floor, Side and Ceiling Runners — "J" - shaped runner, min 2-1/2 in. deep (min 4 in. deep when System C is used), with unequal legs of 1 in. a in., fabricated from min 24 MSG (min 20 MSG when Item 4A, 4B, 4C, 4D or 7 are used) galv steel. Runners positioned with short leg toward finished de of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. "E"

2. Steel Studs — "C-H" - shaped studs, min 2-1/2 in. deep (min 4 in. deep when System C is used), fabricated from min 25 MSG (min 20 MSG when Items 2D, 4A, 4B, 4C, 4D or 7 is used) galv steel. Cut to lengths 3/8 to 1/2 in. less than floor-to-ceiling height and spaced 24 in. or 600 mm OC (max 16 in. OC when Items 4A, 4B, 4C, or 4D are used).

2A. Steel Studs — (Not Shown) — "E" - shaped studs installed back to back in place of "C-H" - shaped studs (Item 2) "E" - shaped studs secured together with steel screws spaced a maximum 12 in. OC. Fabricated from min 25 MSG (min 20 MSG when Item 2D, 4A, 4B or 7 is used) galv steel, min 2-1/2 in. deep (min 4 in. deep when System C is used), with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 to 1/2 in. less than floor to ceiling heights.

28. Furring Channels — (Optional, Not Shown) — For use with single or double layer systems. Resilient furring channels fabricated from min 25MSG corrosion protected steel, installed horizontally, and spaced vertically a max 24 in. OC. Flange portion of channel attached to each intersecting "C-H" or "E" stud on side of stud opposite the 1 in. liner panels with 1/2 in. long Type S or S-12 pan-head steel screws. When furring channels are used, wallboard to be installed vertically only. . Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

2C. Furring Channels — For use with System I - "Hat" - shaped, 25 MSG galv steel furring channels attached directly over the inner layers of wallboard to each stud with 2 in. long Type S pan head steel screws. Screws alternate from top flange to bottom flange at each stud intersection. Furring channels spaced vertically max 24 in. OC.

2D. Steel Framing Members\* — (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backet a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item

b. Steel Framing Members\* — Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC., and secured to

clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels. PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75) 2E. Steel Framing Members\* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below. . Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b.

studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1

Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.

b. Steel Framing Members\* — Used to attach furring channels (Item 2Ea) to studs. Clips spaced 24 in. OC., and secured to studs with 2 in. coarse

drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R 2F. Steel Framing Members\* — (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item

secured to study as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 3. 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.

PUTEQ INC — Type GENIECLIP b. Steel Framing Members\* — Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A ). Clips spaced max. 24 in. OC. GENIECLIPS secured

2G. Steel Framing Members\* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 42.

2Gb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.

b, Steel Framing Members\* — Used to attach furring channels (Item 2Ga) to studs. Clips spaced 24 in. OC., and secured to studs with No. 8 x 2-1/2

2H. Steel Framing Members\* — (Optional, Not Shown) — Resilient channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7). a. Resilient Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in em 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 2frywall 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

as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item . Furring Channels — Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to study as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 4. b. Steel Framing Members\* — Used to attach furring channels (Item 2Ia) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

3. Gypsum Board\* — Gypsum liner panels, nom 1 in. thick, 24 in. or 600 mm (for metric spacing) wide. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "H" portion of "C-H" studs or the gap between the two 3/4 in. legs of the "E" studs. Free edge of end panels attached to long leg of vertical "J" - runners with 1-5/8 in. long Type S steel screws spaced not greater than 12 in. OC. When wall height exceeds liner panel length, liner panel may be butted to extend to the full height of the wall. Horizontal joints need not be backed by steel framing. In Syste I, butt joints in liner panels are staggered min 36 in. Butt joints backed with 6 in. by 22 in. strips of 3/4 in. thick gypsum wallboard (Item 4). Wallboard strips centered over butt joints and secured to liner panels with six 1-1/2 in, long Type G steel screws, three screws along the 22 in, dimension at the

CGC INC — Type SLX UNITED STATES GYPSUM CO — Type SLX

USG BORAL DRYWALL SFZ LLC — Type SLX

USG MEXICO S A DE C V — Type SLX

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, USGX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, ULX, WRC, WRX, USGX.

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX, USGX

USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally in two layers. Inner base layer attached to studs with 1 in. long Type 5 steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Dutter or face layer attached to studs with 1-5/8 in. long Type 5 steel screws spaced 12 in. OC when installed vertically and staggeded 12 in. from base layer screws or 8 in. OC CGC INC — 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO — 1/2 in. Types C, IP-X2, IPC-AR, or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, ULX, USGX,

USG BORAL DRYWALL SFZ LLC -- 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, USGX

System C — 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 3/4 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, secured with 1-1/4 in. long Type 5 steel screws spaced 8 in. OC along vertical edges and 12 in. OC in the field when installed vertically or 8 in. OC along the vertical edges and in the field when installed incipantally. Horizontally, Horizontally, Horizontally internotated joint send not be backed by steel framing. Screws along side joints offset 4 in. Requires min 4 in. deep framing per Items 1, 2 and 3. Requires min 3 in. thick mineral wool batts per Item 6.

USG MEXICO S A DE C V — 1/2 in. Types C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

CGC INC — Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — Type ULTRACODE

USG MEXICO S A DE C V — Types IP-X3 or ULTRACODE

System D — 2 Hr
sum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached directl
long Type 5 steel screws spaced 24 in. when installed vertically or 16 in. OC when installed horizontally. Horizontal joints need not be backed b
uires face layer of 1/2 or 5/8 in. thick cementitious backer units per Item 7 and min 1-1/2 in. thick mineral wool batts per Item 6. CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, ULX, USGX, WRC, WRX.

USG BORAL DRYWALL SFZ LLC — Types C. SCX, SGX, USGX USG MEXICO S A DE C V = Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. OC when installed vertically or 8 in. when installed horizontally. Horizontal joints need not be backed by steel CGC INC — 1/2 in. Types C, IP-X2, IPC-AR; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX UNITED STATES GYPSUM CO — 1/2 in. Types C, IP-X2, IPC-AR; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, USGX, WRC,

USG BORAL DRYWALL SFZ LLC - 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, USGX

**USG MEXICO S A DE C V** — 1/2 in. Types C, IP-X2, IPC-AR; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

System F — 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically in two layers. Inner or base layer attached to resilient furring channels (Item 28) with 1 in. long Type S steel screws spaced 24 in. Outer or face layer attached to resilient furring channels (Item 28) with 1-5/8 in. long Type S steel screws spaced 12 in. OC and staggered 12 in. from base layer screws. Joints between inner and outer layers staggered 24 in. CGC INC — 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

UNITED STATES GYPSUM CO — 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, UIX, USGX,

USG BORAL DRYWALL SFZ LLC -- 1/2 in. Type C; 5/8 in. Types C, SCX USG MEXICO S A DE C V — 1/2 in. Types C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally in three layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. Oc when installed vertically or 16 in Oc when installed horizontally. Middle layer attached to studs with 1-5/8 in. long Type S steel screws spaced 24 in. when installed vertically or 16 in. OC when installed horizontally. Outer or face layer attached to studs with 2-1/4 in. long Type S steel screws spaced 16 in. when installed vertically or 12 in. OC when installed horizontally. Screws offset 6 in. from layer below. Horizontal joints on adjacent layers staggered a min of 12 in. . Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and strangered 24 in. on adjacent layers. CGC INC - Types C, IP-X2, IPC-AR, ULIX, WRC

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type C UNITED STATES GYPSUM CO — Types C. IP-X2. IPC-AR, ULIX, WRO

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR, WRC

USG BORAL DRYWALL SFZ LLC - Type C

CGC INC — Types C, IP-X2, IPC-AR, ULIX, WRC THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type C

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR, ULIX, WRC USG BORAL DRYWALL SFZ LLC - Type C

USG MEXICO S A DE C V — Types C. IP-X2, IPC-AR, WRC

steel screws spaced 12 in. OC. When applied vertically, joints to be staggered min 24 in. from third layer, otherwise all joints staggered min 12

UNITED STATES GYPSUM CO — Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — Type ULTRACODE USG MEXICO S A DE C V - Types IP-X3 or ULTRACODE

4A. Gypsum Board\* — (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) — Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1, 2, 2A, 2B and 2D. Wallboard secured to studs with 1-1/4 in. long pe S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips

4B. Gypsum Board\* — (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) – Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and aggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or #6 by 1-1/4 in. long bugle head ller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. NEW ENGLAND LEAD BURNING CO INC, DBA NELCO - Type Nelco

4C. Gypsum Board\* — (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) — Nor 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1, 2, 2A, 2B and 2D. Wallboard secured to studs with 1-1/4 in. long Type -12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 9A) or Lead Discs (see Item 10A). Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining 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 n two 1 in. long Type 5-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip.

NDUSTRIES INC — Type X-Ray Shielded Gypsum

4D. Gypsum Board\* — (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) — Nom 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 walliboard 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 5-12 pan head stell screws, one at thoo pof 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 neeting the Federal specification QQ-L-201f, Grade "C". RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

5. Joint Tape and Compound — (Not Shown) Systems A, B, C, E, F, G, H, I n outer layers of gypsum boards (Item 4 and 4A) covered with paper tape and joint compound boards are supplied with square edges. Exposed screw heads covered with joint compound.

6. Batts and Blankets\* — Systems A, B, E, F, G, H, I (Optional) - Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt mineral bearing the UL Classification

Systems C & D Min 3 in. (System C) and min 1-1/2 in. (System D) thick mineral wool batts, friction fitted between the studs and floor and ceiling runners. ROCKWOOL — Type AFB, min. density 1.8 pcf / 28.8 kg/m<sup>3</sup>

f. Cementitious Backer Units\* — (System D) — Nom 1/2 or 5/8 in. thick panels, square edge, attached to studs over gypsum wallboard with 1-5/8

in. long, Type S-12, corrosion resistant steel screws spaced 8 in. OC and staggered 8 in. from gypsum wall board screws. Joints covered with glass

fiber mesh tape. Vertical joints staggered one stud cavity from gypsum wallboard joints. Horizontal joints staggered a min of 12 in. from the gypsur

8. Laminating Adhesive\* — (Optional, Not Shown) — Used to bond outer layer of Cementitious Backer Units (Item 7) to inner layers of Gypsi ard (Item 4) in System D. ANSI A136.1 Type 1 organic adhesive applied with 1/4 in. square notched trowel. See Adhesives (BYWR) in the Fire sistance Directory or Adhesives (BJLZ) in the Building Materials Directory for names of Classified companies.

9. Lead Batten Strips — (Not Shown, For Use With Item 4A) — 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 5-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4A) and optional at remaining stud locations.

9A. Lead Batten Strips — (Not Shown, for use with Item 4C) — Lead batten strips, 2 in, wide, max 10 ft long with a max thickness of 0.140 in. Strips laced on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and ne at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and ne at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a unity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed

10. Lead Discs or Tabs — (Not Shown, For Use With Item 4A) — Used in lieu of or in addition to the lead batten strips (Item 9) or optional at other locations - Max 3/4 in, diam by max 0.125 in, thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in, by 1-1/4 in, by max 0.125 in, thick lead tabs placed on gypsum boards (Item 4A) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". 10A Lead Discs — (Not Shown, for use with Item 4C) — Max 5/16 in, diam by max 0.140 in, thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D". 11. Lead Batten Strips — (Not Shown, For Use With Item 4B) — Lead batten strips, 2 in, wide, max 10 ft long with a max thickness of 0.142 in, Strips

placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99,9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4B) and optional at remaining stud locations. 12. Lead Tabs — (Not Shown, For Use With Item 48) — 2 in, wide, 5 in, long with a max thickness of 0.142 in, Tabs friction-fit around front face of

stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screen (that secures the gypsum boards, Item 48) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary. \* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as

he appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL olutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up ervice. Always look for the Mark on the product. UL Solutions permits the reproduction of the material contained in Product IQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulational data (or drawings). 2. The statement "Reprinted from Product IQ with permission from UL Solutions" must appear adjacent to the extracted material. In act the reprinted material must include a copyright notice in the following format: "©2023 UL LLC."

#### **U419 WALL ASSEMBLY**

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

 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 product monduct 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.

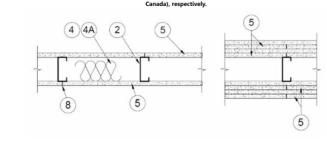
Fire-resistance Ratings - ANSI/UL 263 BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design Criteria and Allowable Variances

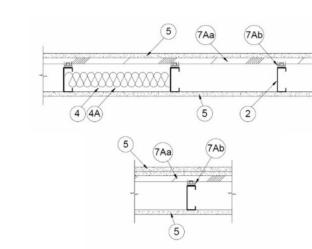
Design No. U419

UL Product **iQ**°

September 5, 2022

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5J)
\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as





odate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max. 1A. Framing Members\* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped

runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25<sup>th</sup> Track MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™ Track IMPERIAL MANUFACTURING GROUP INC — Viper25™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20

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

1C. Framing Members\* — Floor and Ceiling Runners — (Not Shown) — In lieu of Item 1 — Channel shaped, attached to floor and ceiling with ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20 CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20 QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20 SCAFCO STEEL STUD MANUFACTURING CO - Type SUPREME D24/30FOD and Type SUPREME D20 STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

1D. Floor and Ceiling Runners — (Not Shown) — For use with Item 2A — Channel shaped, fabricated from min 20 MSG corrosion-protected or 1E, Framing Members\* — Floor and Ceiling Runners — (Not Shown, As an alternate to Item 1) — For use with Items 2E, 5F or 5G or 5I on channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. O

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK DMFCWBS L L C - ProTRAK MBA METAL FRAMING — ProTRAK STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

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

1G. Framing Members\* — Floor and Ceiling Runner — For use with Item 2G, proprietary channel shaped runners, minimum width to

1H. Floor and Ceiling Runners — (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size

with min 1 in. long legs, for use with studs specified below and fabricated from min 0.018 in. galv steel or thicker, attached to floor and ceiling with MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100 IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track VT100

11. Framing Members\* — Floor and Ceiling Runners — (Not Shown, As an alternate to Item 1) — For use with Items 2H, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max. TELLING INDUSTRIES LLC — TRUE-TRACK<sup>26</sup>

J. Framing Members\* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2I, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max. runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC

RESCUE METAL FRAMING, L L C — AlphaTRAK 1M. Framing Members\* — Floor and Ceiling Runners — Not Shown — As an alternate to Item 1 — For use with Item 2O, proprietary channel

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

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

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

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

2B. Framing Members\* - Steel Studs — (As an alternate to Item 2, For use with Items 5C, 5I or Type ULIX) — Proprietary channel shaped studs, 3 578 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and stud and track at the bottom of the wall. For direct attachment of gypsum board only.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25<sup>50</sup> MARINO/WARE, DIV OF WARE INDUSTRIES INC —  $Viper25^{\rm in}$ 

2C. Framing Members\* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights. CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20\*\* MARINO/WARE, DIV OF WARE INDUSTRIES INC —  $Viper20^{na}$ IMPERIAL MANUFACTURING GROUP INC — Viper20™

2D. Framing Members\* — Steel Studs — In lieu of Item 2 — Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20  $\textbf{consolidated Fabricators corp, building products div} - \texttt{Type} \ \texttt{SUPREMED24/30EQD} \ \texttt{and} \ \texttt{Type} \ \texttt{SUPREMED20}$ QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20 SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EOD and Type SUPREME D20 STEEL CONSTRUCTION SYSTEMS INC - Type SUPREME D24/30EQD and Type SUPREME D20 TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20 UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

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

CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD DMFCWBS L L C - ProSTUD

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

2G. Framing Members\* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped studs, minimum width indicated under

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

21. Framing Members\* — Steel Studs —

2). Framing Members\* — Metal Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated undiltem 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights 2K. Framing Members\* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSC in depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

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

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

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

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

the product. See **Fiber, Sprayed** (CCAZ). **AMERICAN ROCKWOOL MANUFACTURING, LLC** — Type Rockwool Premium Plus

4D. Foamed Plastic\* — (Where Batts and Blankets\*, Item 4, are optional, for use with Item 5L) — Spray applied, foamed plastic insulation, at any thickness fire partial fill to completely filling stud cavity, for up to 2 hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 MSG steel thickness. BASF CORP - Enertite® NM, Enertite® G, FE178®, Spraytite® 178, Spraytite® 81206, Walltite® 200, Walltite® US-N, Walltite BP+, FE137®,

5. Gypsum Board\* — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. horizontal butt jo 2 hr, 3 hr and 4 h

hr ratings are as follows:  Gypsum Board Protection on Each Side of Wall								
Rating, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)					
1	3-1/2	1 layer, 5/8 in. thick	Optional					
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.					
1	1-5/8	1 layer, 3/4 in. thick	Optional					
2	1-5/8	2 layers, 1/2 in. thick	Optional					
2	1-5/8	2 layers, 5/8 in. thick	Optional					
2	3-1/2	1 layer, 3/4 in. thick	3 in.					
3	1-5/8	3 layers, 1/2 in. thick	Optional					
3	1-5/8	2 layers, 3/4 in. thick	Optional					
3	1-5/8	3 layers, 5/8 in. thick	Optional					
4	1-5/8	4 layers, 5/8 in. thick	Optional					
4	1-5/8	4 layers, 1/2 in. thick	Optional					
4	2-1/2	2 layers, 3/4 in. thick	2 in.					

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, WRX or WRC; 3/4 in. thick Types IP-X3 THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO - 1/2 in. thick Type C and 5/8 in. thick Type SCXUNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, UUX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

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

SA. Gypsum Board\* — (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the  ${\bf UNITED\ STATES\ GYPSUM\ CO-} {\bf Type\ FRX-G,\ SHX}.$ 

thick products are specified. For direct attachment only to steel studs item 2A, (not to be used with Item 3). — Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beweled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to 20 MSG steel studs Item 2A with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item 12). RAY-BAR ENGINEERING CORP — Type RB-LBG

5C. Gypsum Board\* — (For Use With Item 28) — Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beweled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and taggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with in long Type 5 coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteness shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory. CGC INC — Type SCX, ULIX.

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type SCX UNITED STATES GYPSUM CO — Type SCX, SGX, ULIX. USG BORAL DRYWALL SFZ LLC - Type SCX USG MEXICO S A DE C V — Type SCX

UNITED STATES GYPSUM CO - Type USGX

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

psymm panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on sposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or No. 6 by 1-1/4 in. long bugle head fine driller) steel screws acred 8 in Or 21 norimeter and 12 in Of in the field

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

applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered or studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and umber of layers for the 2 hr, 3 hr and 4 hr ratings are as follows:

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

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX or 3/4 in. thick Types IP-X3 or ULTRACODE 💆 THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — 1/2 in. thick Types C and 5/8 in. thick SCX UNITED STATES GYPSUM CO = 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type SCX, SGX, SHX, IP-X1, AR, C, , FRX-G, IP-AR, IP-X2, IPC-AR, ULIX; 3/4 in.

5H. Gypsum Board\* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick SH. Oppsum Board\*— (Not Shown) — (As an alternate to Item 5 winen used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel studis fem 2A, (not to be used with Item 3) - Nom 5/8 or 3/4 in. Thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studis and staggered min 1 stud cavity on opposite sides of studic. Wallboard secured to studis with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 MSG steel studis and 10 cm 20 ound see Item 5. To be used with Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A). MAYCO INDUSTRIES INC - Type X-Ray Shielded Gypsum

 $\mathbf{UNITED\ STATES\ GYPSUM\ CO} - \mathsf{Type\ ULIX,\ ULX}$ 

USG MEXICO S A DE C V — Type ULX

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

5J. Gypsum Board\* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in, long Type S-12 steel screws gypsum panel steel screws spaced 8 in, OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 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 QO\_L-201f, Grade "C".

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

5K, Gypsum Board\* — (As an alternate to Item 5 when Foam Plastic insulation (Item 4C) is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies outer layer will be attached to studs over inner layer with the 1-578 in. long steel screws spaced 8 in. OC.

5L. Gypsum Board\* — (As an alternate to Item 5 when Foam Plastic insulation (Item 4D) is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 5 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1-1/4 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies outer layer will be attached to studs over inner layer with the 1-7/8 in. long steel screws spaced 8 in. OC.

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

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

7A. Framing Members\* — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A clips secured to study 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 ecured 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 PAC INTERNATIONAL L. L. C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75).

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

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

PC. Framing Members\* — (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 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 b. Steel Framing Members\* — Used to attach furring channels (Item 7Ca) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, 5-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

PLITEQ INC — Type GENIECLIP

7D. Steel Framing Members\* — (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. nds of adjoining channels overlapped 6 in, and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. Steel Framing Members\* — Used to attach furring channels (Item 7Da) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in. coarse

7E. Steel Framing Members\* — (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 7Eb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached

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 A237 or A237R

to furring channels as described in Item 6. Not for use with Item 5A and 5E.

not more than each sixth course of brick.

b. Steel Framing Members\* — Used to attach furring channels (Item 7Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 gin. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

REGUPOL AMERICA — Type SonusClip 7F. Steel Framing Members\* — (Optional on one or both sides, not shown, for single or double layer systems) — Resilient channels and Steel

a. Resilient Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described

from the center of the overlap. Gypsum board attached to resilient channels as described in Item 5. Not for use with Item 5A and 5E. b. Steel Framing Members\* — Used to attach resilient channels (Item 7Fa) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

7G. Framing Members\* — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring

channels and Steel Framing Members as described below:

1. Furring Channels — Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A b. Steel Framing Members\* — Used to attach furring channels (Item 7Ga) to studs (Item 2). Clips spaced max. 48 in. OC. Clips secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips.

CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

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. aper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be 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,

Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations

10. Caulking and Sealants\* — (Optional, Not Shown) — A bead of acoustical sealant applied around the partition perimeter for sound control. UNITED STATES GYPSUM CO — Type AS 11. Lead Batten Strips — (Not Shown, For Use With Item 5B) — 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,

Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a ourity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed

2. Lead Discs or Tabs — (Not Shown, For Use With Item 5B) — Used in lieu of or in addition to the lead batten strips (Item 11) or optional at other ocations - 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 5B) 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" 12A. Lead Discs — (Not Shown, for use with Item 5H) — Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over

placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5E) and optional at remaining stud locations. 14. Lead Tabs — (Not Shown, For Use With Item 5E) — 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of

3. Lead Batten Strips — (Not Shown, For Use With Item 5E) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in.

steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

5E) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary. 15. Barrier Mesh — (Optional, Not Shown) - Attached to steel studs on one or both sides of the wall using Barrier Mesh Clips spaced at m 12 inches on center vertically, using a flat head type screw penetrating through the steel at least 3/8 of an inch. For Steel Studs less than 0.033 inches n thickness, use self-piercing screws. For Steel Studs equal to or greater than 0.033 inches in thickness, use steel drill screws (self-tapping). Gypsum Board (Item 5) to be installed directly over the Barrier Mesh using prescribed screw patterns with lengths increased by a minimum 1/8 in. Barrier Mesh may be installed with the long dimension of the diamond pattern positioned vertically or horizontally. Barrier Mesh joints may occur as butt oints at the framing members and secured using the Barrier Mesh Clips or occur in between framing members as overlapping joints secured using

CLARKDIETRICH BUILDING SYSTEMS — Barrier Mesh, Barrier Mesh Clips

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

ppearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL ions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation drawings), 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition the reprinted material must include a copyright notice in the following format: "©2023 UL LLC."

Project No. Drawn By Checked By Revisions: 2 Addendum 2

0 5

21081.00

02.10.2023

04/20/23

KB

SMAR1 BEAUT SPACE

0

4

 $\overline{O}$ 

N X

**BRYANT** vood Ranch Sarasota, F

**FAWLEY** 5391 Lakew Suite 300, \$t: 941.343.4

AR96481

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663

of Florida Statutes." 100% CONSTRUCTION DOCUMENTS

scale as required © 2020 All rights reserved

MBA METAL FRAMING — ProSTUD

IMPERIAL MANUFACTURING GROUP INC — Viper25™

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProStud

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

2M. Framing Members\* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG

20. Framing Members\* - Steel Studs - As an alternate to Item 2 - proprietary channel shaped steel studs, min width as indicated under Item 5,

in 25 MSG galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max. OEG BUILDING MATERIALS - OEG Stud

2Q. Framing Members\* — Steel Studs — Not Shown — In lieu of Item 2 — For use with Item 10, proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in, OC, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/8 in. to CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X

4. Batts and Blankets\* — (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness

See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies. 4B. Fiber, Sprayed\* — (Optional, for use with Type ULIX) Where insulation is required - Spray applied granulated mineral fiber material. The fiber is pplied with adhesive at a minimum density of 4.0 pcf to completely fill the wall cavity in accordance with the application instructions supplied with

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

When Item 78, Steel Framing Members\*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in, min. thickness of insulation (Item 4) is 3 in, and two layers of gypsum board panels (1/2 in, or 5/8 in, thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in, or 5/8 in, thick) attached to opposite side of stud without hurring channels as described in tem 6.

USG MEXICO S A DE C V — Type SHX. 5B. Gypsum Board\* — (Not Shown) — As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 in or 3/4 in.

USG BORAL DRYWALL SFZ LLC — Type USGX USG MEXICO S A DE C V — Type USGX 5E. Gypsum Board\* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in ts are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nominal 5/8 in. thick lead backet

USG BORAL DRYWALL SFZ LLC - 5/8 in. thick Type SCX, SGX 5G. **Gypsum Board\*** — (As an alternate to Item 5) — For use with Items 1E and 2E only, Gypsum panels with beveled, square or tapered edges,

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

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

Originals printed at 24" x 36"

#### X701 FIRE PROOFING

BXUV.X701 - Fire-resistance Ratings - ANSI/UL 263

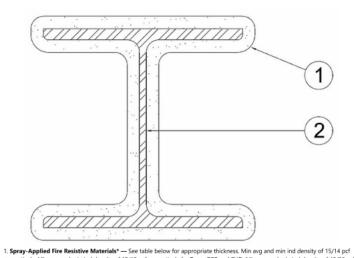
 Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials. · Authorities Having Jurisdiction should be consulted before construction

· Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with Fire resistance assemblies and products are developed by the design submitter and have been investigated by U. for compilance 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/JUL 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. X701 October 26, 2017

Ratings — 1, 2, 3 and 4 Hr. \* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



respectively. Min avg and min ind density of 19/18 pcf respectively for Types 7GP and 7HD. Min avg and min ind density of 40/36 pcf for Type AV650. Min avg and min ind density of 50/45 pcf for Type AV800. Min avg and min ind density of 22/19 pcf respectively for Types Z-106 and Z106/HY. Min avg and min ind density of 40/36 pcf for Type Z-146. For method of density determination, refer to Design Information

Rating Hr	Min Thkns	in.
4	2-1/2	
3	1-11/16	
2	1-1/8	
1-1/2	7/8	
1	11/16	
contained in the table below are	applicable when the Spray-Applied Fire Resistive Materials	applied to columns flange tips are redu
Pating Us	Min Thire	la.

PYROK INC — Type LD.

GCP APPLIED TECHNOLOGIES INC — Types MK-6/HY, MK-6s, Monokote Acoustic 1, RG, Z-106, Z-106/HY and Z-146.

2. Steel Column — Minimum size of column, W10x49, with outside dimensions of 10x10 in., a flange thickness of 9/16 in., a web thickness of

\* 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 2017-10-26

Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications filles must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product IQ with premission from UL Solutions' must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "SQB2S UL LLC."

#### **A811 FIRE PROOFING**

UL Solutions

UL Product iQ° BXUV.A811 - Fire-resistance Ratings - ANSI/UL 263

 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.

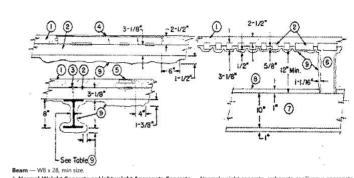
· Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with Fire resistance assemblies and products are developed by the design submitter and have been investigated by U. for compilance with applicable requirements. The published information cannot always address every construction manner 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/JJL 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. A811 May 03, 2018

Restrained Assembly Rating — 2 Hr. Unrestrained Assembly Ratings — 1-1/2 and 2 Hr. Unrestrained Beam Ratings — 1-1/2 and 2 Hr. This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide <u>BXUV</u> or <u>BXUV7</u>

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



1. Normal-Weight Concrete or Lightweight Aggregate Concrete — Normal weight concrete, carbonate or siliceous aggregate, 144 pcf unit wt, 4000 psi compressive strength. Lightweight concrete, expanded shale, clay, or slate aggregate by rotary-kiln method: 1 part Portland cement, 2/3 part sand, 3 parts fine lightweight aggregate, 3 parts medium lightweight aggregate, by bulk volume, 4000-psi compressive strength vibrated.

Steel Floor and Form Units\* — Non-composite 3 in. deep galv unit. Alternating two 24 in. wide, 20/18 MSG min cellular units or two 24 in. wide, 18 MSG min fluted units to two 12 in. wide, 18/18 MSG min cellular units, 24 in. wide units welded to supports 12 in. OC and 12 in. wide units welded to supports 7 in. OC along ends. All units button-punched or welded together 36 in. OC along side joints.
 KAM INDUSTRIES LTD, DBA CORDECK — Types RK, RKC.

Alternate Construction — Composite units of the same type listed above may be used provided allowable loading is calculated on the basis of non-

4. Trench Header — (Bearing the UL Listing Mark). Housing constructed of steel and trench header provided with metal edge screeds. 5. **Header Duct** — (Bearing the UL Listing Mark). 1-1/2 in. deep by 6-3/4 in. wide. Housing constructed of steel.

3. Joint Cover — 2 in. wide pressure-sensitive cloth adhesive tape applied following contour of 24 in. wide steel floor units. No. 16 MSG galv

6. Air-Inlet Fitting — No. 16 ga galv steel; fabricated with 1 in. wide flanges at each end and throat measuring 6 by 10 in. in size, 12 in. in depth. 3/4 by 3/4 in, 12 g a glast steet, labraced with 11k who langes at each enhanced in the labraced and the depth of the depth. 3/4 by 3/4 in, 12 g a glast steet stiffener angles welded to 10 in, sides of air inleft fittings at mid-height, Gaskets of 1/16 inch thick ceramic fiber paper fitted between flanges of air inleft fittings and steel floor units. Air inleft fittings securely fastened, above and below, with 3/4 in, long, No. 14 steel sheet metal screws and 3/4 in, long, 1/4 in, diam steel bolts and nuts, respectively, fasteners uniformly spaced damper requirements of NFPA Standard 90A.

7. Air Duct — No. 20 MSG galv steel fabricated 18 in. wide by 10 in. deep, with penetrations for 6 by 10 in. air inlet fittings not exceeding 60 sq in. per each 100 sq ft of ceiling area. Air duct hangers made of double thickness, 26 ga galv steel straps spaced 48 in. O.C. and 3 in. from each end of air duct, air duct hangers wrapped around sides and bottom of air duct and bolted to 16 ga hanger tabs between adjacent steel

8. Air-Duct Insulation — 1 in. thick, foil backed glass fiber Batts and Blankets\*. Air duct insulation bound with pieces of 20 SWG galv steel 9. Spray-Applied Fire Resistive Materials\* — Applied by spraying with water in one coat, to a final untamped thickness as shown above, to

9. spray-appined rire Resistive materials — Applied by spraying with water in one coat, to a intermediate intermets as snown accover, the steel floor and form units, air intell fittings and steel beam surfaces which are free of dirt, oil, and scale. Use of adhesive optional. Min avg untamped density is 14 pcf with min ind density of 12 pcf for material applied to beam, to ceiling below header ducts and on air outlet fittings. Min avg untamped density is 11 pcf with min ind density of 11 pcf on remainder of ceiling for Type Dcf, Type III, or Type III HS. Min avg untampered density is 22 pcf with min ind density of 19 pcf for Type PP. Tampling is optional. For method of density determination refer to Design Information Section. Sprayed- Applied Fire Resistive Material applied 1 in. thick to ceiling surface in border are 12 in. wide around

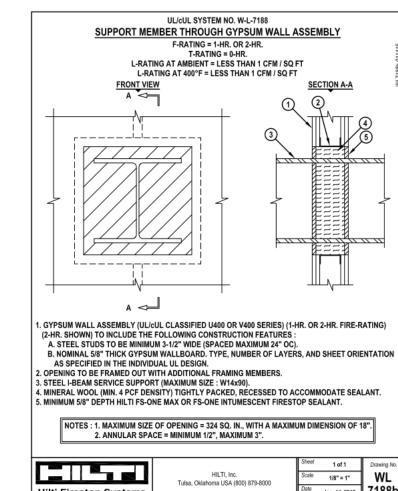
ISOLATEK INTERNATIONAL — Type D-C/F, HP, Type II or Type II HS, Type EBS or Type X adhesive sealer optional.

10. Discrete Products Installed in Air-handling Spaces\* — Automatic Balancing Valve/Damper (Not Shown - Optional) — For use with item

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

UL Solutions permits the reproduction of the material contained in Product IQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings), 2. The statement "Reprinted from Product IQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "02023 ULLLC."

#### W-L-7188 PENETRATION



NO **(7)** ROBINS EX EXE

G DING

Project No. Drawn By Checked By

21081.00

02.10.2023

04/20/23

KB

Revisions:

2 Addendum 2

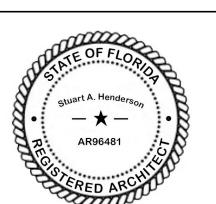
"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663

of Florida Statutes." 100% CONSTRUCTION DOCUMENTS

Originals printed at 24" x 36" scale as required © 2020 All rights reserved

Project No. 21081.00
Drawn By NB
Checked By KB
Date 02.10.2023

Date \_\_\_\_\_ Revisions:



Stuart A. Henderson AR 96481

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes."

of Florida Statutes."

100%

CONSTRUCTION

DOCUMENTS

A1.0
SITE DEMOLITION PLAN

Originals printed at 24" x 36" scale as required © 2022 All rights reserved

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes."

100% CONSTRUCTION DOCUMENTS

OVERALL SITE PLAN

Project No. Drawn By Checked By

Stuart A. Henderson AR 96481 the best of the Architect's or

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes."

of Florida Statutes."

100%

CONSTRUCTION

DOCUMENTS

A1.2

ARCHITECTURAL

ARCHITECTURAL SITE PLAN

Project No.

Checked By

Drawn By

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes."

100% CONSTRUCTION **DOCUMENTS** 

**CODE ANALYSIS** 

Originals printed at 24" x 36" scale as required

Florida Fire Prevention Code 7th Edition 2020	orida Fire Prevention Code 7th Edition 2020		
Type of Construction:	II-B	7 <	
Total Square Feet:	14,634 S.F.	7	
Number of stories:	2	73	
Fire Rating Separation of occupancies: (NFPA 101:6.1.14.4.1) Stairwells enclosure: (NFPA 101:7.1.3.2.1) Features of Fire Protection: (NFPA 101:8)	REFERENCE LIFE SAFETY DRAWINGS		
Occupancy type(NFPA 101:6.1):	BUSINESS GROUP B	13	
Means of Egress Components: Doors Schedule & Electronic Card Readers (NFPA 101:7.2.)	REFERENCE DOOR SCHEDULE		
*Stairs, enclosure & protection stairs, handrails, guardrails & ramps (Details NFPA 101:7.2.2.3,7.2.2.4 & 7.2.2.5.) :	REFERENCE LIFE SAFETY DRAWINGS	13	
Occupant Load(NFPA 101:7.3.1.2):	FIRST FLOOR: 139 PERSONS, SECOND FLOOR: 141 PERSONS	13	
*Capacity of Means of Egress (NFPA 101:7.3.3.1):	REFERENCE LIFE SAFETY DRAWINGS	13	
*Number of Egress (NFPA 101:7.4):	REFERENCE LIFE SAFETY DRAWINGS AND CODE ANALYSIS	7 >	
*Arrangement of Means of Egress: (Reference NFPA 101:7.5.1.3 & NFPA 101:7.5.1.3.7 Diagonal distance)	REFERENCE LIFE SAFETY DRAWINGS		
*Travel Distance to Exit: (Reference occupancy chapter. The distance to an exit measured on the floor along natural path from the most remote point to an exit)	REFERENCE LIFE SAFETY DRAWINGS		
*Common Path: (Reference occupancy chapter. The distance that a building occupant must travel before two sperate egress paths to two exists are available)	REFERENCE LIFE SAFETY DRAWINGS		
*Dead-end corridor (fbc 1020.4):	N/A	73	
Interior Finishes: (Reference occupancy chapter)		73	
*Illumination of Means of Egress: (Reference occupancy chapter)	REFERENCE MEP DRAWINGS FOR LOCATIONS	7)	
*Emergency Lighting: (Reference occupancy chapter)	REFERENCE MEP DRAWINGS FOR LOCATIONS	73	
*Marking of Means of Egress: (Reference occupancy chapter)	REFERENCE LIFE SAFETY DRAWINGS		
Detection, Alarm and Communication System: (Reference occupancy chapter, NFPA 101: 9.6 and/or NFPA 1:13.1) *If existing fire alarm system or required put separate permit.	REFERENCE MEP DRAWINGS		
*Extinguishment Requirements: (Reference occupancy chapter, NFPA 101: 9.7 and/or NFPA 1:13.1 * This also included Portable Fire Extinguishers) *If existing sprinkler system or required put separate permit	REFERENCE LIFE SAFETY DRAWINGS FOR EXTINGUISHER LOCATIONS		
*Smoke ducts detectors (NFPA 90A:6.):	REFERENCE MEP DRAWINGS	7 )	
*Fire dampers (NFPA 101:8.4.6):	REFERENCE MEP DRAWINGS FOR DAMPER LOCATIONS		
Submit approved copy of civil site plan:  New construction:  Provide fire flow meeting the requirements per NFPA 1:18.4.5.2.1 Table Provide minimum number of hydrants for fire flow per NFPA 1:.18.5.4 Provide a survey from a license contractor in Radio Enhancement per NFPA 1:11.10.1 Where underground water mains and hydrants are to be provided, they shall be installed.	REFERENCE CIVIL DRAWINGS		

CATEGORY	CURCATECORY	MANUFACTURER	DOCUMENT. (PER FLORIDA ADM 9B-72	IMPACT		EXPIRATION	
CATEGORY	SUBCATEGORY	PRODUCT NAME / NUMBER	STATE OF FLORIDA APPROVAL NO.	METHOD (1 OR 2), LETTER CODE	RESISTANT	PRESSURE	DATE
WINDOWS		NO PRODUCTS IN THIS CATEGORY.					
SKYLIGHTS		NO PRODUCTS IN THIS CATEGORY.					
EXTERIOR DOORS	SWINGING EXTERIOR DOOR ASSEMBLIES	CURRIES DIV OF AADG, INC	FL 16353 R3	METHOD 1, OPTION A	YES		12-31-2022
	DOOR LOUVER	GREENHECK FAN CORPORATION SERIES: EVH-501D	FL 19277 R6	METHOD 1, OPTION D	YES	+130 -139	02-04-202
	ROLL-UP EXTERIOR DOOR ASSEMBLIES	CORNELL IRON WORKS INSULATED DOOR	FL 17419 R5	METHOD 1, OPTION D	YES	+120 -120	12-31-202
ROOFING		NO PRODUCTS IN THIS CATEGORY.					
PANEL WALLS	STOREFRONT WINDOW	YKK AMERICA YHS-50FS	FL 14218 R12	METHOD 1, OPTION D	YES		12-31-202
	STOREFRONT DOOR	YKK AMERICA 35H	FL 16554 R11	METHOD 1, OPTION D	YES		12-31-202
	WALL LOUVER	GREENHECK FAN CORPORATION SERIES: EVH-501D	FL 19277 R6	METHOD 1, OPTION D	YES	+130 -139	02-04-2026
STRUCTURAL COMPONENTS		NO PRODUCTS IN THIS CATEGORY.					
NEW & INNOVATIVE BUILDING ENVELOPE PRODUCTS (OTHER)		NO PRODUCTS IN THIS CATEGORY.					

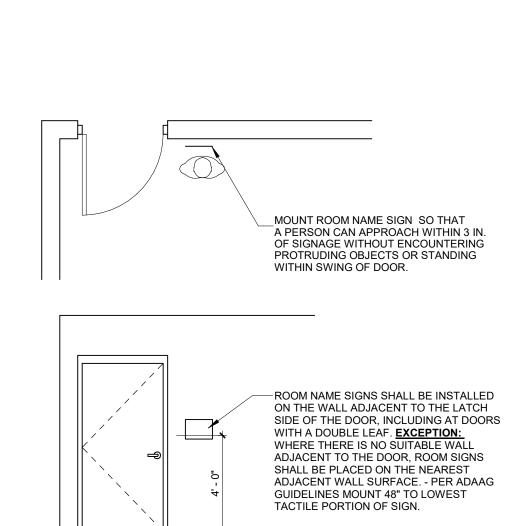
- INCLUSION OF "APPROVED PRODUCTS" OR ASSOCIATED INFORMATION AND DOCUMENTATION IN THIS SCHEDULE OR BY REFERENCE IN THE CONSTRUCTION DOCUMENTS DOES NOT IMPLY THAT FAWLEY BRYANT OR ITS SUBCONSULTANTS HAVE EITHER PRODUCED OR CREATED THE INFORMATION CONTAINED HEREIN. CONSEQUENTLY, FAWLEY BRYANT AND ITS SUBCONSULTANTS ACCEPT NO RESPONSIBILITY FOR ANY INFORMATION GIVEN RELATIVE TO "APPROVED PRODUCTS."
- RESPONSIBILITY FOR ANY PRODUCT'S PERFORMANCE RELATIVE TO STRUCTURAL INTEGRITY DURING HURRICANES BASED ON EVALUATIONS OF CODE COMPLIANCE CONDUCTED BY STATE APPROVED ENTITIES LIES SOLELY WITH THE MANUFACTURERS OF THE ABOVE LISTED PRODUCTS.

7 1/2"

- INCLUSION OF A PRODUCT IN THIS SCHEDULE DOES NOT IMPLY OR PRESUME THAT THE PRODUCT LISTED WILL BE INSTALLED IN THIS PROJECT. ALTERNATE PRODUCTS COMPLYING WITH CODE REQUIREMENTS MAY BE UTILIZED UPON EVALUATION, ACCEPTANCE, AND APPROVAL BY THE BUILDING DEPARTMENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT INFORMATION AND DOCUMENTATION THAT MAY BE REQUIRED BY THE BUILDING DEPARTMENT FOR THE ALTERNATE PRODUCT'S EVALUATION
- 4. REFER TO STRUCTURAL DRAWINGS FOR APPLICABLE WIND SPEED CLASSIFICATION OF PROJECT.
- 5. PROVIDE HARDWARE OR GLAZING THAT HAS BEEN TESTED WITH AND INCLUDED IN EACH SPECIFIC FLORIDA PRODUCT APPROVAL, AND ABLE TO WITHSTAND THE APPLICABLE WIND PRESSURE INDICATED ON THE STRUCTURAL DRAWINGS - NO EXCEPTIONS.

#### PRODUCT APPROVAL LEGEND

12" = 1'-0"



FIRE CODE ANALYSIS

**BUILDING CODE ANALYSIS** 

2017 NEC (NFPA 70)

BUSINESS GROUP B

**BUSINESS GROUP B** 

ALLOWABLE HEIGHT:

ACTUAL HEIGHT:

BUSINESS GROUP B

ALLOWABLE AREA:

ACTUAL AREA:

TYPE II-B

0 HOURS

0 HOURS

0 HOURS

0 HOURS

0 HOURS

0 HOURS

FIRE SEPARATION DISTANCE = 20'

X > OR = 10': 0 HOURS

FIRE RESISTANCE RATING =

FIRST FLOOR OCCUPANT LOAD

SECOND FLOOR OCCUPANT LOAD

TOTAL FIRST FLOOR OCCUPANT LOAD:

TOTAL SECOND FLOOR OCCUPANT LOAD:

FIRST FLOOR OCCUPANT LOAD: 131 PERSONS

SECOND FLOOR OCCUPANT LOAD: 127 PERSONS

EXERCISE ROOM:

STORAGE / MEP:

ASSEMBLY (UNC.):

STORAGE / MEP:

**TOTAL OCCUPANT LOAD:** 

BUSINESS:

STAIRS:

OTHER EGRESS

COMPONENTS:

COMPONENTS:

STAIRWAYS:

TYPE II-B

FLORIDA BUILDING CODE, 7th EDITION (2020)

FLORIDA BUILDING CODE - PLUMBING 7th EDITION (2020)

FLORIDA FIRE PREVENTION CODE, 7th EDITION (2020)

FLORIDA BUILDING CODE - MECHANICAL 7th EDITION (2020)

FLORIDA BUILDING CODE - EXISTING BUILDING 7th EDITION (2020)

4 STORIES; 75' MAX HEIGHT - SPRINKLERED

92,000 S.F. GROUND FLOOR - SPRINKLERED

69,000 S.F. ADDITIONAL FLOORS - SPRINKLERED

2 STORIES, 34' TOTAL HEIGHT

8,333 S.F. GROUND FLOOR

6,301 S.F. SECOND FLOOR 14,634 S.F. TOTAL

X < OR = 10': 1 HOURS (MAX 15% UNPROTECTED OPENINGS - VERIFY)

NOT LESS THAN 1 HOUR WITH 1 HOUR OPENING PROTECTIVES (716.5)

0.3 (INCHES PER OCCUPANT)

0.2 (INCHES PER OCCUPANT)

EGRESS COMPONENTS: 0.2 (141) = 28.2" TOTAL EGRESS REQUIRED

LENGTH OF COMMON PATH OF TRAVEL = 100 FEET - SPRINKLERED

BUSINESS OCCUPANCY: MAX OCCUPANT LOAD = 49 PERSONS

501-1,000 OCCUPANTS. MIN NUMBER OF EXITS PER STORY = 3

EXCEPTION 4: IN OTHER THAN OCCUPANCY H AND I, EXIT ACCESS TRAVEL DISTANCE IS PERMITTED TO BE MEASURED FROM THE MOST REMOTE POINT WITHIN A BUILDING TO AN EXIT USING UNENCLOSED EXIT ACCESS STAIRWAYS OR RAMPS IN THE FIRST AND SECOND STORIES ABOVE GRADE PLANE IN BUILDINGS EQUIPPED WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM. THE FIRST AND SECOND STORIES ABOVE GRADE PLANE SHALL BE PROVIDED WITH AT LEAST TWO MEANS OF EGRESS. SUCH INTERCONNECTED STORIES SHALL NOT

IN OTHER THAN GROUP I-2 AND I-3 OCCUPANCIES, FLOOR OPENINGS

CONTAINING EXIT ACCESS STAIRWAYS OR RAMPS THAT DO NOT COMPLY WITH

ONE OF THE CONDITIONS LISTED IN THIS SECTION SHALL BE ENCLOSED WITH A

1. EXIT ACCESS STAIRWAYS AND RAMPS THAT SERVE OR ATMOSPHERICALLY

SHAFT ENCLOSURE CONSTRUCTED IN ACCORDANCE WITH SECTION 713.

COMMUNICATE BETWEEN ONLY TWO STORIES. SUCH INTERCONNECTED

1-500 OCCUPANTS. MIN NUMBER OF EXITS PER STORY = 2

2 EXITS & 2 STAIRS PROVIDED FOR SECOND FLOOR

MAXIMUM EGRESS DISTANCE: 300' SPRINKLERED

STORIES SHALL NOT BE OPEN TO OTHER STORIES.

FIRE RESISTANCE RATING REQUIRED: 0 HOURS SPRINKLERED

FIRE RESISTANCE RATING REQUIRED: 1 HOURS NON SPRINKLERED

DEAD END CORRIDOR LENGTH SHALL NOT EXCEED 50' SPRINKLERED DEAD END CORRIDOR LENGTH SHALL NOT EXCEED 20' NON SPRINKLERED

1/40 FOR THE FIRST 80,

LAVATORY

M

1/80 FOR EXCEEDING

UNISEX

N/A

D.F. SERVICE

RR 1 PER 100 SINK

UNISEX D.F. SERVICE

X 3

131 FIRST FLOOR OCCUPANTS 127 SECOND FLOOR OCCUPANTS

3 EXITS PROVIDED ON FIRST FLOOR

BE OPEN TO OTHER STORIES.

1/25 FOR THE FIRST 50,

W.C.

NOTE: PER SECTION 410.4 IN THE 2020 FBC, WATER DISPENSERS SHALL BE PERMITTED TO BE SUBSTITUTED FOR NOT MORE THAT

1/50 FOR EXCEEDING

LENGTH OF COMMON PATH OF TRAVEL = <30 OCC. = 100 FEET - NON SPRINKLERED LENGTH OF COMMON PATH OF TRAVEL = >30 OCC. = 75 FEET - NON SPRINKLERED

1,360 S.F. / 150 S.F. GROSS = 10 PERSONS 6,281 S.F. / 50 S.F. GROSS = 126 PERSONS

750 S.F. / 300 S.F. GROSS = 3 PERSON

1.693 S.F. / 15 S.F. NET = 113 PERSONS 3,798 S.F. / 150 S.F. GROSS = 26 PERSONS

597 S.F. / 300 S.F. GROSS = 2 PERSONS 141 PERSONS

0.2 (139) = 27.8 INCHES TOTAL EGRESS REQUIRED

102" TOTAL EGRESS PROVIDED

0.3 (141) = 42.3" TOTAL EGRESS STAIRS REQUIRED

102" SECOND FLOOR EGRESS PROVIDED 92" STAIR EGRESS WIDTH PROVIDED

139 PERSONS

141 PERSONS

280 PERSONS

MAXIMUM FLOOR AREA ALLOWANCE PER OCCUPANT:

3 STORIES; 55' MAX HEIGHT - NON SPRINKLERED

CODE REFERENCES

(CHAPTER 3)

TYPE OF CONSTRUCTION

ALLOWABLE HEIGHT

ACTUAL HEIGHT

ALLOWABLE AREA

STRUCTURAL FRAME -

FLOOR CONSTRUCTION -

ROOF CONSTRUCTION -

EXTERIOR WALLS

BEARING WALLS

FXTFRIOR INTERIOR

INTERIOR

(CHAPTER 5 - TABLE 506.2)

USE AND OCCUPANCY CLASSIFICATION

AUTOMATIC FIRE SPRINKLER SYSTEM

(CHAPTER 5 - TABLES 504.3 AND 504.4)

FIRE-RESISTANCE RATING REQUIREMENTS

INCLUDING COLUMNS, GIRDERS, TRUSSES

FOR BUILDING ELEMENTS (TABLE 601)

NONBEARING WALLS AND PARTITIONS:

INCLUDING SUPPORTING BEAMS AND JOISTS

INCLUDING SUPPORTING BEAMS AND JOISTS

FIRE SEPARATION DISTANCE (FBC TABLE 602)

LESS THAN 4 FLOORS (FBC- SECTION 712 AND 713)

MEANS OF EGRESS SIZING (SECTION 1005)

EGRESS WIDTH PER OCCUPANT SERVED

EXIT ACCESS (SECTION 1006)

COMMON PATH OF TRAVEL (TABLE 1006.2.1)

SPACES WITH ONE EXIT (TABLE 1006.2.1)

MINIMUM NUMBER OF EXITS (SECTION 1006.3.2)

EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2)

1019.3 EXIT ACCESS STAIRWAYS AND RAMPS:

CORRIDOR FIRE RESISTANCE RATING

MINIMUM NUMBER OF REQUIRED PLUMBING

50 PERCENT OF THE REQUIRED NUMBER OF DRINKING FOUNTAINS

FIXTURES FOR BUSINESS OCCUPANCY

TOTAL OCCUPANTS: 280 (140 PER SEX)

1017.3 EXIT ACCESS LIMITATIONS:

CORRIDORS (SECTION 1020)

CORRIDORS (SECTION 1020)

DEAD ENDS (SECTION 1020.4)

(TABLE 403.1 (NO. 2) BUSINESS)

PLUMBING FIXTURES PROVIDED:

(TABLE 1020.1)

SHAFT ENCLOSURES (ELEVATORS)

OCCUPANT LOAD: (TABLE 1004.5)

ROOM SIGNAGE 2

1/4" = 1'-0"

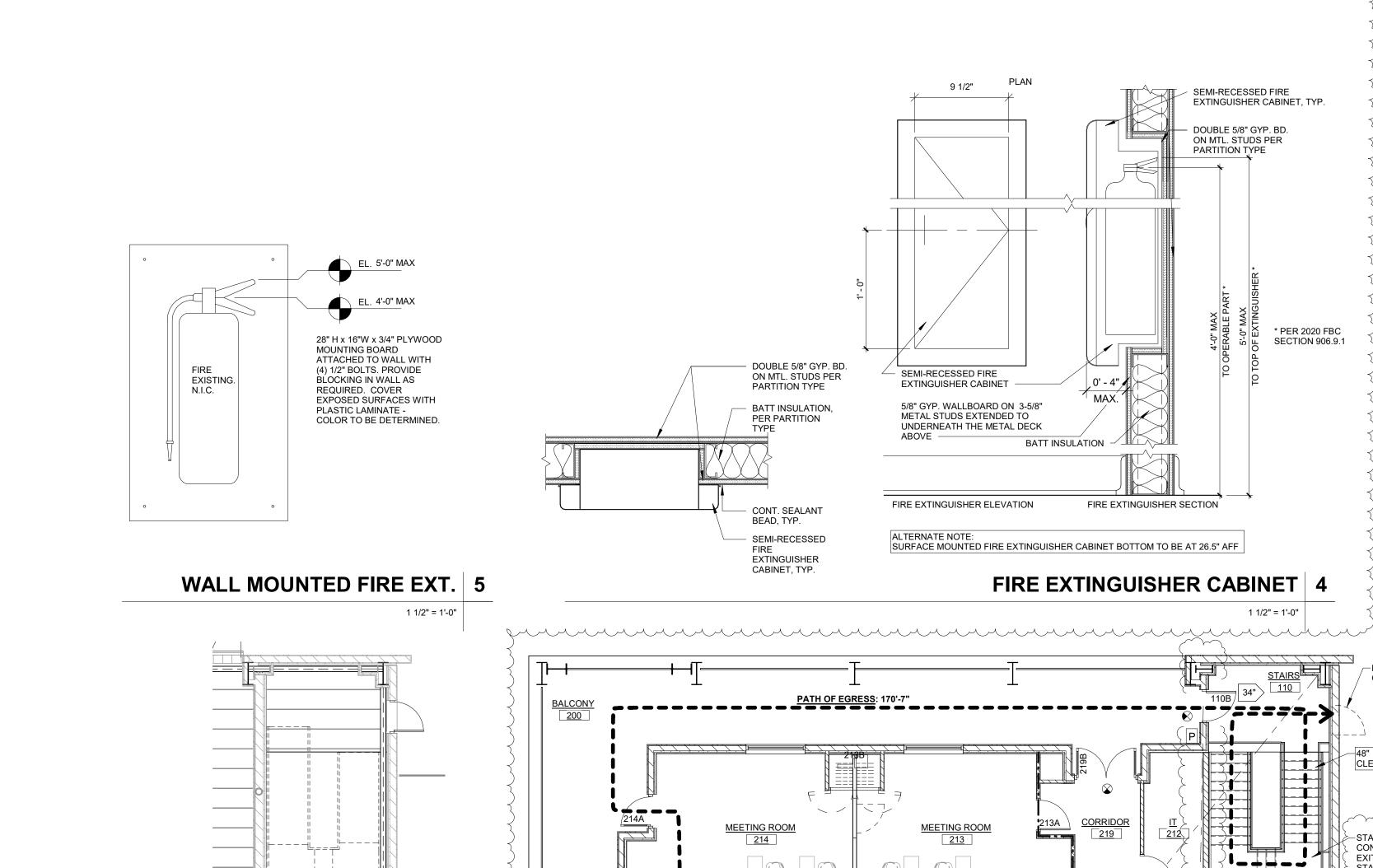
EXTINGUISHER **INSIDE** ( BRAILLE GOES HERE ( BRAILLE GOES HERE **SMEN** 3/8" R CORNERS TYPICAL -3/8" R CORNERS TYPICAL (BRAILLE GOES HERE) 1. 3/16" SCREW HOLES, 1/2" O.C. 1. 3/16" SCREW HOLES, 1/2" O.C. 2. SANS SERIF TYPE (ROOM NAME)- 5/8" HIGH (MIN.) CENTER JUSTIFIED 3. GRADE 2 BRAILLE STATING SPELLING "MECHANICAL", CENTER JUSTIFIED 4. 1/8" THICK BORDER 2. SANS SERIF TYPE (ROOM NAME)- 5/8" HIGH (MIN.) CENTER JUSTIFIED
3. GRADE 2 BRAILLE STATING SPELLING "MECHANICAL", CENTER JUSTIFIED 4. 1/8" THICK BORDER 3/8" R CORNERS TYPICAL 1. 1/8" THICK BORDER 2. INTERNATIONAL 'DISABLED' SYMBOL 3. INTERNATIONAL 'MEN' SYMBOL 4. 3/16" SCREW HOLES, 1/2" O.C 5. SANS SERIF TYPE (ROOM NAME)- 5/8" HIGH (MIN.) CENTER JUSTIFIED

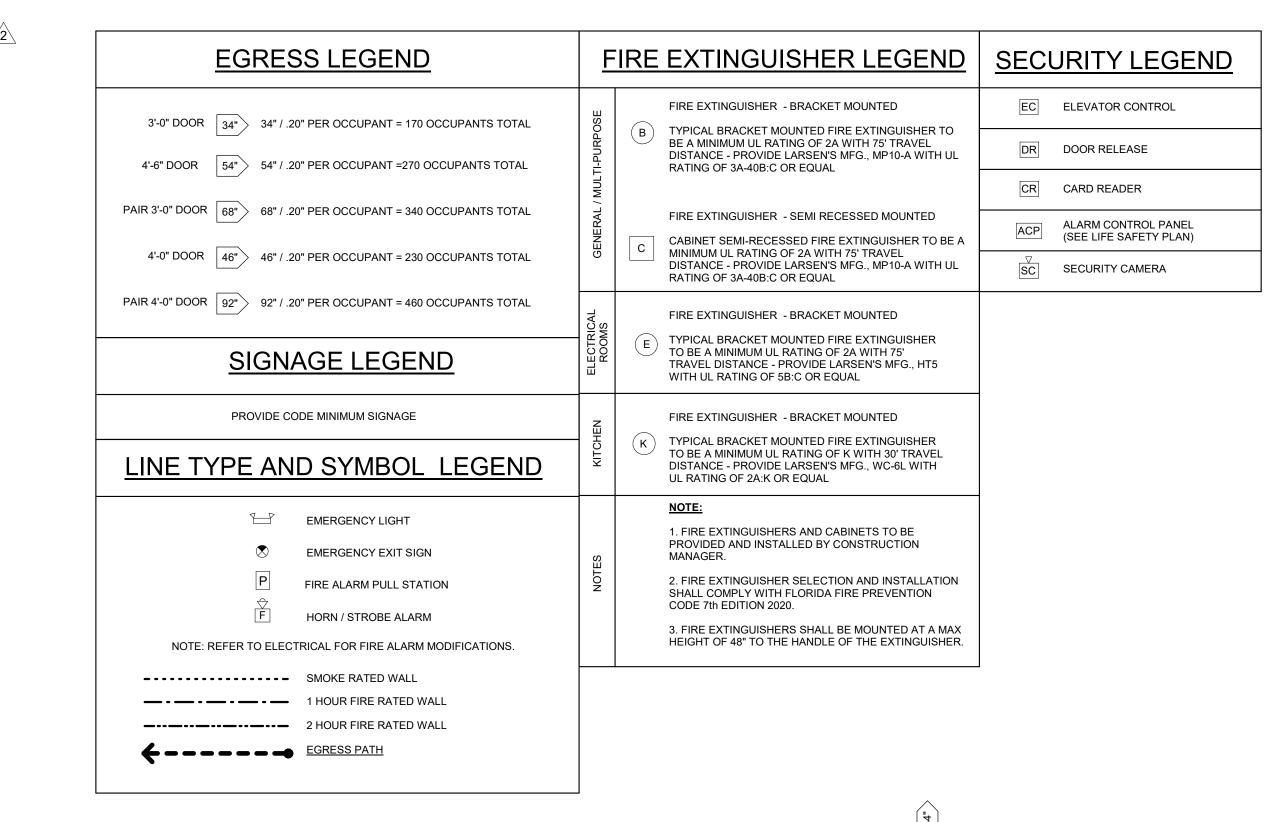
**ROOM SIGN DETAIL** 

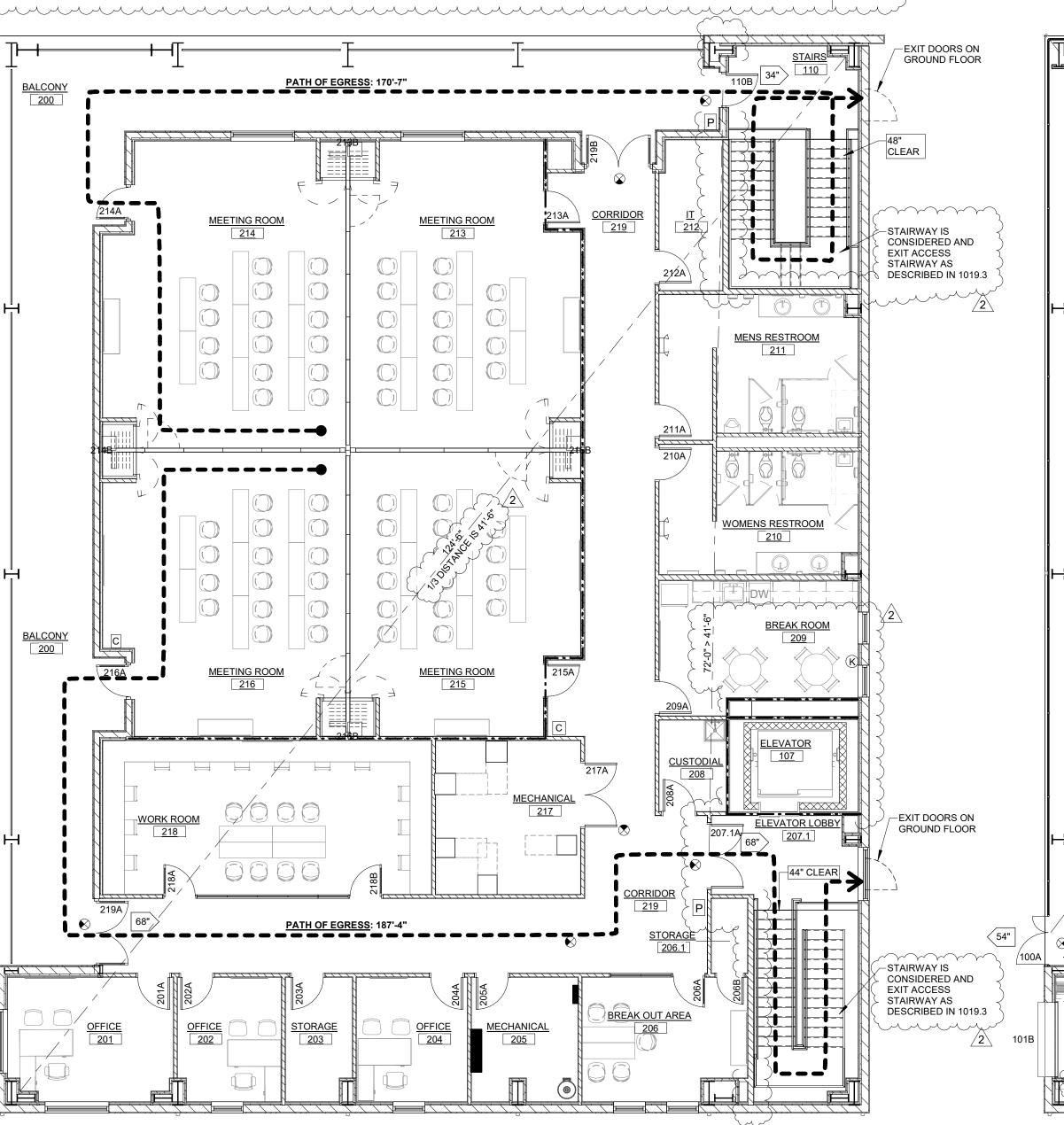
6. GRADE 2 BRAILLE STATING SPELLING "MEN", CENTER JUSTIFIED

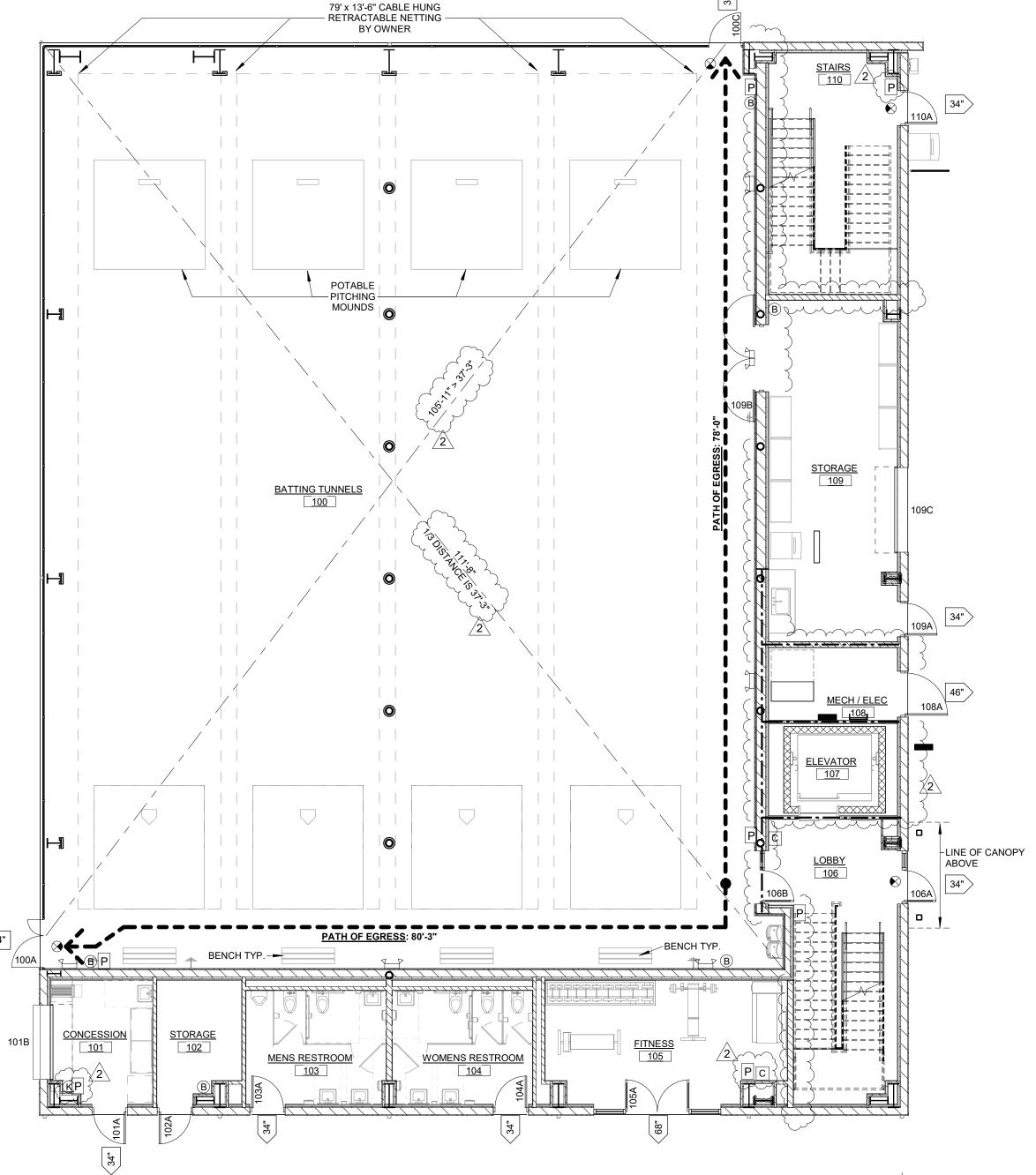
6" = 1'-0"

© 2022 All rights reserved









RATED SUPPORTING STRUCTURE CEILING PLAN 3

NOTE: REF A0.3 FOR THE 1 HOUR PENETRATION

1 HOUR SPRAY ON FIRE PROOFING FOR SUPPORTING

SUPPORTING STRUCTURE CONTAINED WITHIN FIRE

1 HOUR SPRAY ON FIRE PROOFING FOR SUPPORTING

SUPPORTING STRUCTURE CONTAINED WITHIN FIRE

1 HOUR SPRAY ON FIRE PROOFING FOR SUPPORTING

DETAIL W-L-7188 FOR BEAM PENETRATIONS

THROUGH 1 HOUR RATED WALLS

STRUCTURE PER UL DESIGN NO. X701-

STRUCTURE PER UL DESIGN NO. 811-

SECOND FLOOR FIRE WALL ABOVE-

STRUCTURE PER UL DESIGN NO. X701-

SECOND FLOOR LIFE SAFETY PLAN 2



GROUND FLOOR LIFE SAFETY PLAN 1

Originals printed at 24" x 36" scale as required © 2022 All rights reserved

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes."

AINING

Project No. Drawn By

Checked By

Revisions:

2 Addendum 2

02.10.2023

100% CONSTRUCTION **DOCUMENTS** 

LIFE SAFETY PLANS



21081.00 Project No. Drawn By Checked By 02.10.2023

Revisions: 2 Addendum 2

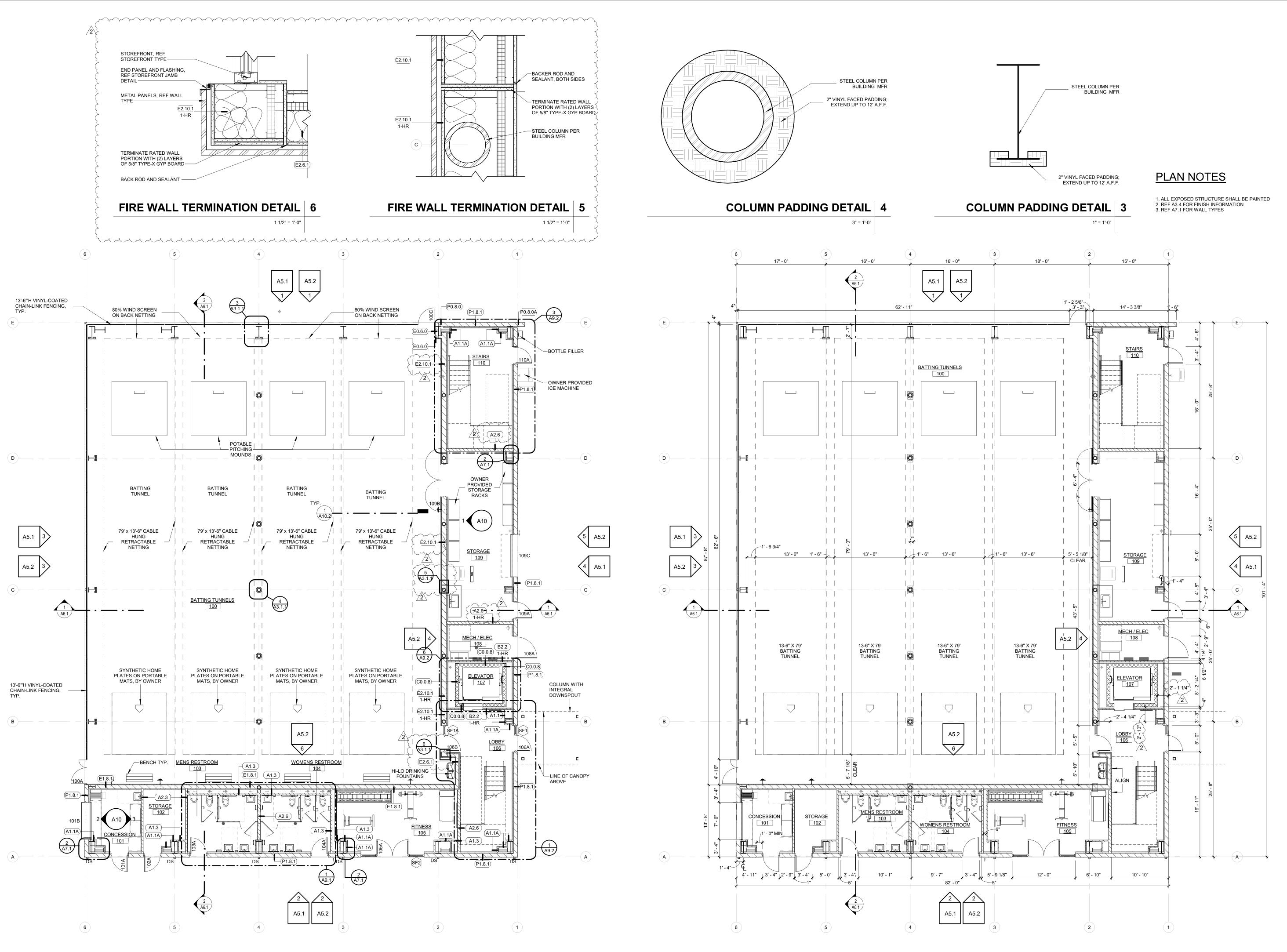
KB

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes."

100% CONSTRUCTION DOCUMENTS

SLAB PLANS

SLAB PLAN 1



**GROUND FLOOR DIMENSION PLAN** 1

Originals printed at 24" x 36" scale as required © 2022 All rights reserved

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the

applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes."

CONSTRUCTION

**DOCUMENTS** 

100%

**GROUND FLOOR** 

DIMENSIONS, NOTES & TAGS PLANS -

Project No. Drawn By Checked By

Revisions:

2 Addendum 2

02.10.2023

Project No.

Checked By

Revisions:

Drawn By

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes."

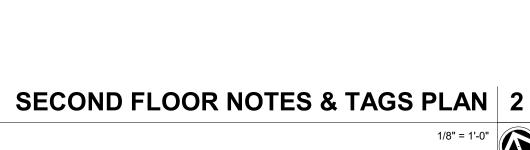
100% CONSTRUCTION DOCUMENTS

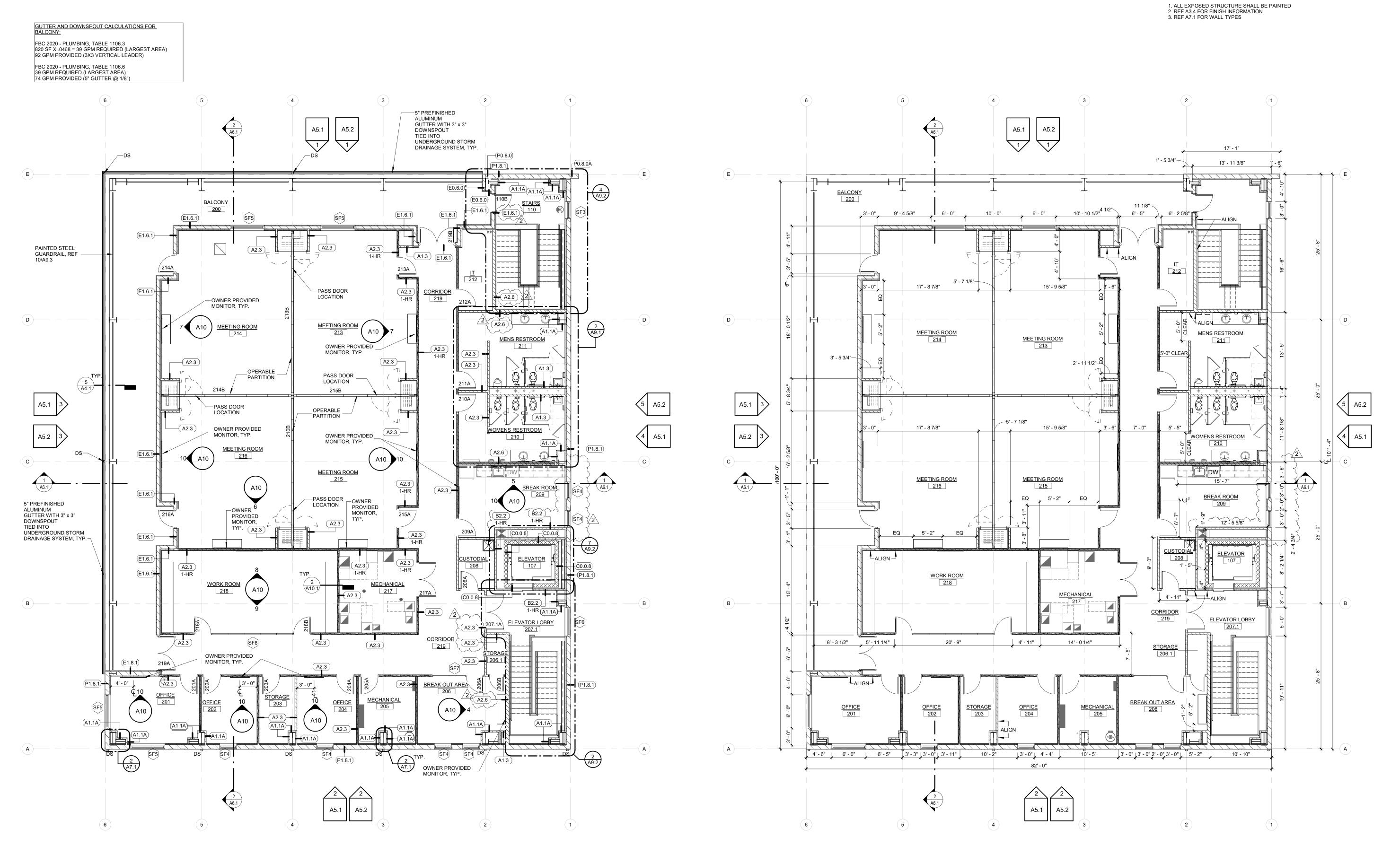
DIMENSIONS, NOTES & TAGS - SECOND

FLOOR

### SECOND FLOOR DIMENSION PLAN 1

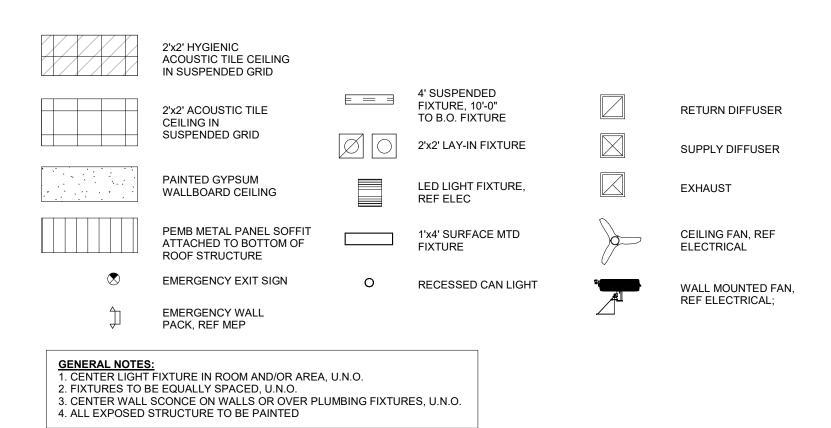
PLAN NOTES





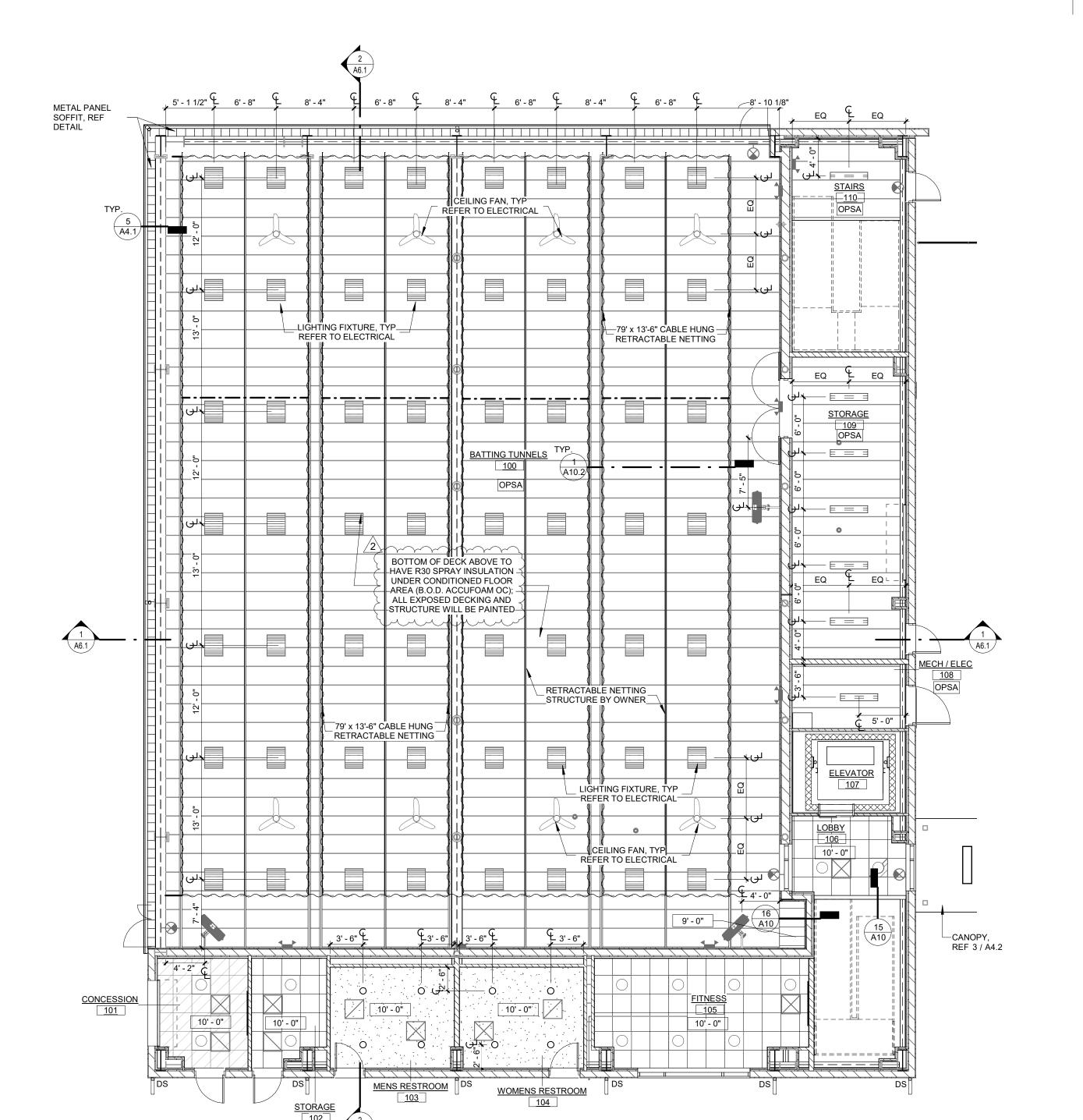
MECHANICAL .

205 OPSA



**CEILING LEGEND** 

LING LEGENL



JACKIE ROBINSON TRAINING COMPLE
EXECUTIVE BUILDING

Project No. 21081.00
Drawn By NB
Checked By KB
Date 02.10.2023

Revisions:

2 Addendum 2 04/20/23

STATE OF FLORIDA

Stuart A. Henderson

AR96481

REPARCHIE

Stuart A. Henderson AR 96481

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes."

100% CONSTRUCTION DOCUMENTS

A3.3
REFLECTED CEILING PLANS

i Li (i v

RUBBER ATHLETIC FLOORING Manufacturer: CAPRI CORK Style: FITNESS STRENGTH Color: AFTER DARK

CPT MODULAR CARPET Manufacturer: BENTLEY MILLS Style: 4UVT4 Color: LEGIT 411450 Wear Layer: AFIRMA II HARDBACK TILE Size: 24"x24" Installation: QUARTER TURN

TILE PORCELAIN FLOOR TILE Manufacturer: NEOSTILE 2.0 Style: RECTIFIED EDGE Color: SILVER Wear Layer: 20 MIL Size: 12"x24" Installation: 15% STAGGERED

**FLOORING TRANSITIONS** 

TR1 CARPET TO SC Match building 42.

WALL BASE

RB RUBBER WALL BASE Manufacturer: MAPEI Size: 4" Profile: TRADITIONAL Color: 40 BLACK B

**INTERIOR WALL FINISHES** 

LOW VOC LATEX PAINT Manufacturer: BENJAMIN MOORE Finish: EGG-SHELL Color: WHITE Coats: 1 PRIMER, 2 FINISH

WATERBORNE AMINE EPOXY PAINT Manufacturer: BENJAMIN MOORE Finish: EGG-SHELL Color: SW 7103 WHITETAIL Coats: 1 PRIMER, 2 FINISH

FIBERGLASS REINFORCED PLASTIC Match building 42.

> BALCONY 200

> > MEETING ROOM 214

> > > 216

WORK ROOM

OFFICE

202

STORAGE

203

218

OFFICE

201

CASEWORK

SOLID SURFACE Manufacturer: CORIAN Color: ARCTIC WHITE Edge Profile: EASED

PLASTIC LAMINATE Match building 42.

DOORS & FRAMES

<u>CEILINGS</u> ACOUSTIC CEILING TILE Grid Manufacturer: ARMSTRONG Grid Size: 9/16" Grid Style: SUPERFINE XL FIRE GUARD Grid Color: WHITE Tile Manufacturer: ARMSTRONG Tile Style: DUNE Tile Size: 2'x2' Tile Color: WHITE Edge Detail: SQUARE TEGULAR

**H.M.** HOLLOW METAL (MATCH BUILDING 42)

Manufacturer: MOHAWK DOORS OR EQUAL

Species: WHITE BIRCH (PLAIN SLICED)

NOTE: Fire-Rated Wood Doors: Doors

"Architectural Woodwork Standards."

complying with NFPA 80 that are listed and

labeled by a qualified testing agency, for fire-

protection ratings indicated, based on testing at

positive pressure according to NFPA 252 or UL

NOTE: Comply with AWI's, AWMAC's, and WI's

S.C.W. SOLID CORE FLUSH WOOD DOOR

Style: ASPIRO SERIES

Stain Color: CLEAR

ACT-H ACOUSTIC CEILING TILE Manufacturer: ROCKFON Tile Style: HYGIENIC PLUS Tile Size: 24"x24" Tile Color: WHITE Edge Detail: SQUARE LAY-IN Grid Size: 15/16" Grid Color: WHITE

PAINTED TYPE-X GYP BOARD Manufacturer: BENJAMIN MOORE Finish: SATIN Color: WHITE Coats: 1 PRIMER, 2 FINISH

**EXP** EXPOSED TO PAINTED STRUCTURE

212

MENS RESTROOM

WOMENS RESTROOM

- + + - + - + - + -

**ELEVATOR** 

/ELEVATOR LOBBY

NOTE: FF&E BY OWNER, N.I.C. 1/8" = 1'-0"

207.1

210

BREAK ROOM

STORAGE

206.1

BREAK OUT ÀREA 206

MEETING ROOM

213

CPT

215 CPT

OFFICE

204

CPT

MECHANICAL

219

**MECHANICAL** 

205

217

**NOTES** 

1. All materials and fixtures are to be fabricated and/or installed

per manufacturers' instructions for commercial applications. 2. All fabrication and/ or installation are to be done in a manner consistent with manufacturers warranties. 3. Questions on any manner of installation, method of

fabrication, or material use and information should be forwarded to the architect before purchase, fabrication, and/ or installation. 4. Contractor will order materials in time to not delay

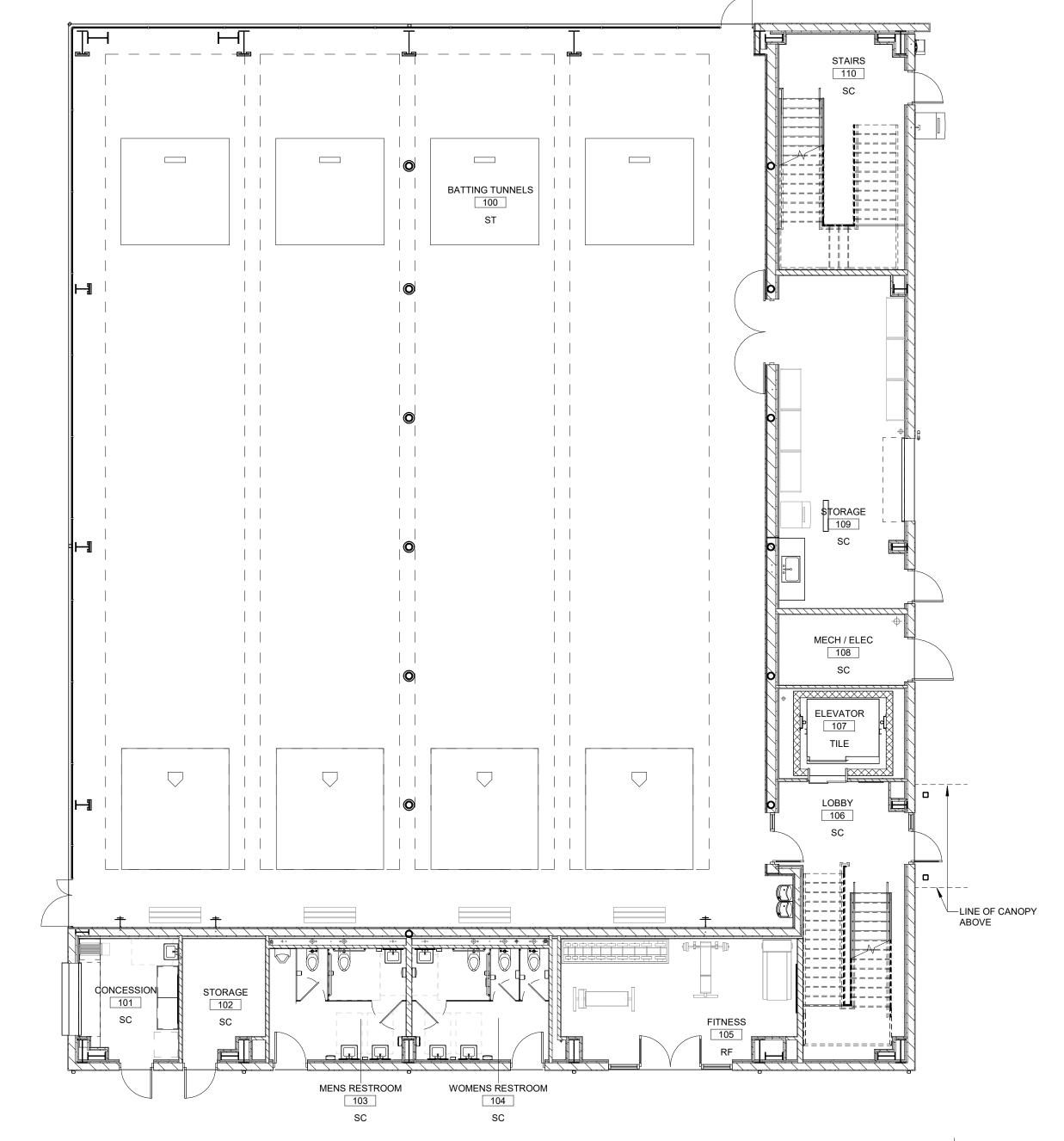
construction. No substitutions are permitted, based on the failure to order materials on time, it is the contractor's responsibility to pay for express shipping to maintain the design intent and

5. On this Finish Schedule, North refers to the top of the sheet. East refers to the right of the sheet. South refers to the bottom of the sheet. West refers to the left of the sheet.





				FINIS	SH SCHEDU	ILE - SECONI	FLOOR		
		F	LOOR			WALLS			
ROOM NO.	ROOM NAME	FINISH	BASE	NORTH	EAST	SOUTH	WEST	CEILING FINISH	REMARKS
200	BALCONY	sc	-		-	_	-	PEMB PANEL	
201	OFFICE	CPT	RB	PT	PT	PT	PT	ACT	
202	OFFICE	CPT	RB	PT	PT	PT	PT	ACT	
203	STORAGE	SC	RB	PT	PT	PT	PT	ACT	
204	OFFICE	CPT	RB	PT	PT	PT	PT	ACT	
205	MECHANICAL	SC	RB	PT	PT	PT	PT	EXP	
206	BREAK OUT AREA	CPT	RB	PT	PT	PT	PT	ACT	
206.1	STORAGE	SC	RB	PT	PT	PT	PT	ACT	
207.1	ELEVATOR LOBBY	SC	RB	PT	PT	PT	PT	ACT	
208	CUSTODIAL	SC	RB	EP	EP	EP	EP	ACT	
209	BREAK ROOM	CPT	RB	PT	PT	PT	PT	ACT-H	
210	WOMENS RESTROOM	TILE	TILE	EP	EP	EP	EP	GYP	
211	MENS RESTROOM	TILE	TILE	EP	EP	EP	EP	GYP	
212	IT	SC	RB	PT	PT	PT	PT	EXP	
213	MEETING ROOM	CPT	RB	PT	PT	PT	PT	ACT	
214	MEETING ROOM	CPT	RB	PT	PT	PT	PT	ACT	
215	MEETING ROOM	CPT	RB	PT	PT	PT	PT	ACT	
216	MEETING ROOM	CPT	RB	PT	PT	PT	PT	ACT	
217	MECHANICAL	SC	RB	PT	PT	PT	PT	EXP	
218	WORK ROOM	CPT	RB	PT	PT	PT	PT	ACT	
219	CORRIDOR	CPT	RB	PT	PT	PT	PT	ACT	





NOTE: FF&E BY OWNER, N.I.C. 1/8" = 1'-0"

Originals printed at 24" x 36" scale as required © 2022 All rights reserved

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes

and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes."

CONSTRUCTION

FINISH LEGEND FINISH SCHEDULE

AND FURNITURE

DOCUMENTS

100%

PLAN

COM

AINING

ON TRA

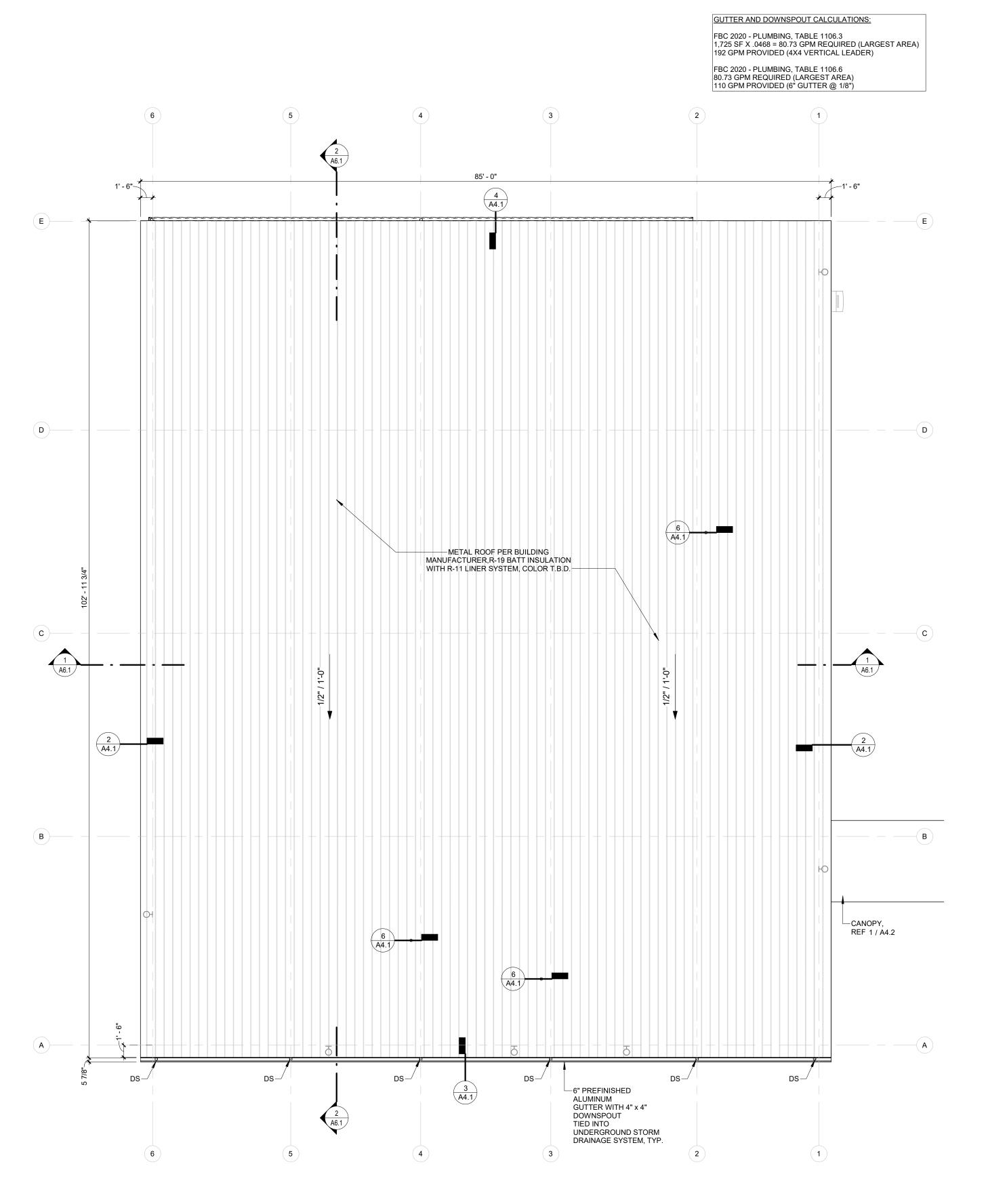
Project No.

Checked By

02.10.2023

Drawn By

SECOND FLOOR FURNITURE/EQUIPMENT PLAN 2



Project No. Drawn By Checked By Revisions:

KB 02.10.2023

21081.00

"To the best of the Architect's or

Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes."

100% CONSTRUCTION DOCUMENTS

ROOF PLAN & DETAILS

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

1 1/2" = 1'-0"

ARCHITECT

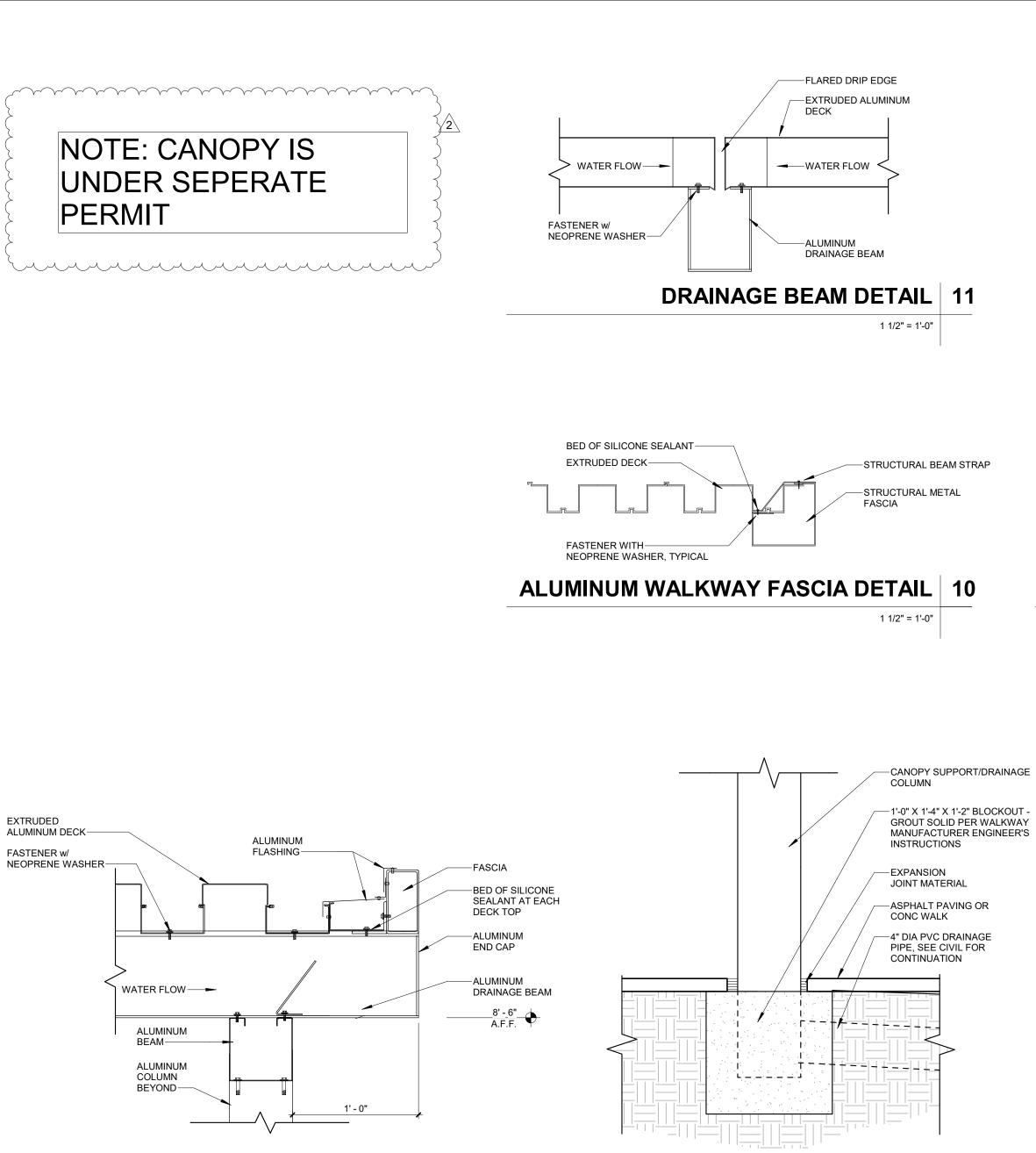
**BUILDING MFR** 

ROOF STRUCTURE PER

PEMB METAL SOFFIT -

ROOF DETAIL - PEMB GUTTER DETAIL 3

1 1/2" = 1'-0"

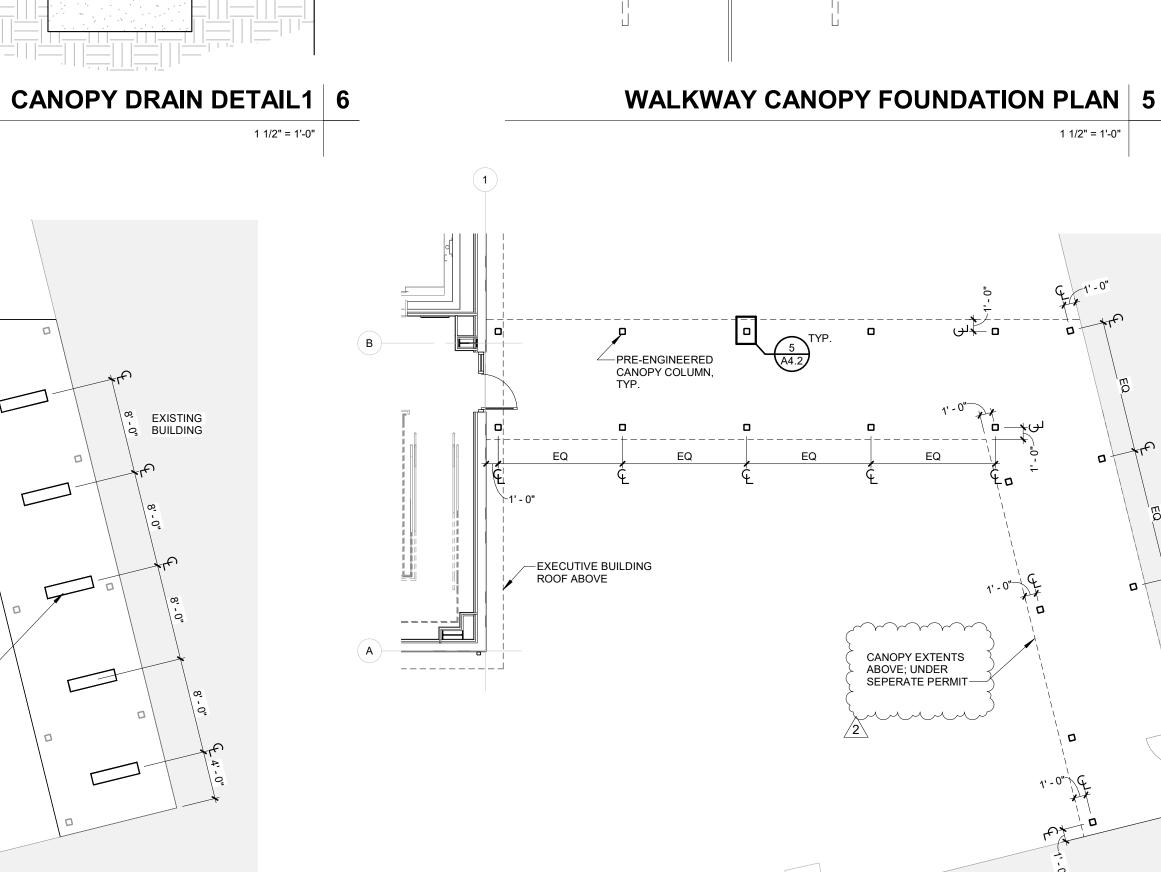


CANOPY EAVE DETAIL | 7

8' - 0"

CANOPY UNDER SEPERATE PERMIT

1 1/2" = 1'-0"



r\_\_\_\_\_

**EXISTING ROOF** ELEMENT

-FACE OF WALL

-SEALANT

ALUMINUM FLASHING -FASCIA

ALUMINUM

FLASHING

DECK TOP

BED OF SILICONE

-SEALANT AT EACH

WATER FLOW—

-ALUMINUM END CAP

-ALUMINUM COLUMN

WALKWAY COVER DETAIL 9

-ALUMINUM BEAM

EXTRUDED

ALUMINUM

1 1/2" = 1'-0"

-SAWCUT JOINT. REFER TO CIVIL.

—EDGE OF CONC. WALK

—4" REINFORCED CONC. SIDEWALK

-6" x 6" ALUM. COLUMN PER

CANOPY MANUFACTURER.

-BLOCK -OUT FOR CANOPY

REMOVAL OF BLOCK-OUT

MATERIAL REFER TO CANOPY

MANUFACTURER SUBMITTALS.

1 1/2" = 1'-0"

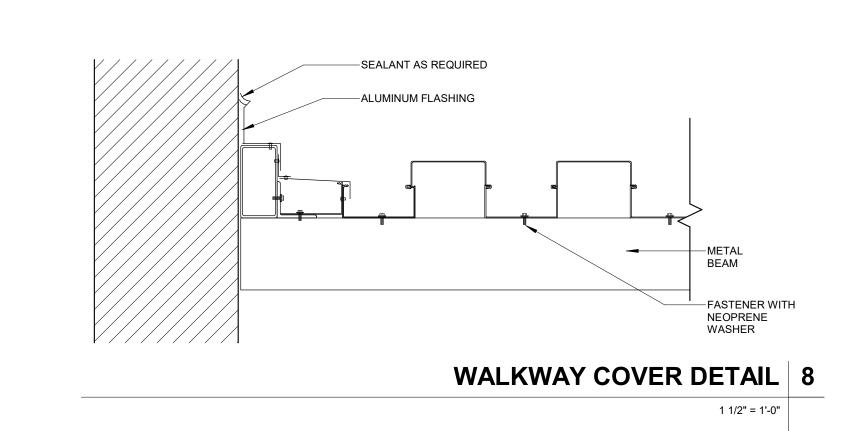
COLUMN. GROUT SOLID AROUND CANOPY POST AFTER COMPLETE

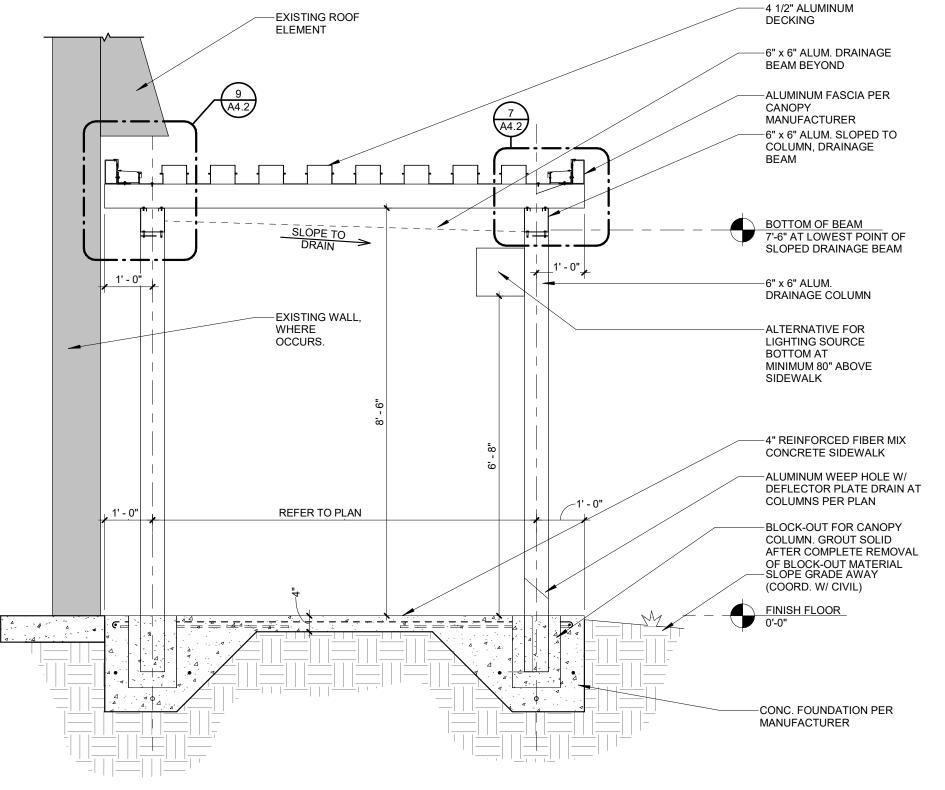
-FASTENER w/ NEOPRENE WASHER

ALUMINUM DECK

DRAINAGE BEAM

8' - 6" A.F.F.







SLOPE

SLOPE

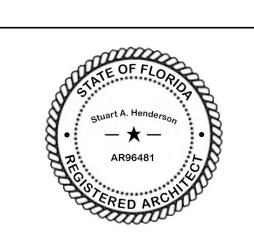
41' - 9"

CANOPY UNDER SEPERATE PERMIT-

Project No. Drawn By Checked By 02.10.2023 Revisions: 2 Addendum 2

NO

ROBINS EX EXE



"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards
as determined by local authority in
accordance with Chapter 553 and 663
of Florida Statutes."

100% CONSTRUCTION DOCUMENTS

CANOPY PLAN AND DETAILS

CANOPY PLAN 1

EXISTING

BUILDING

CANOPY REFLECTED CEILING PLAN 3

SURFACE MOUNTED LIGHT FIXTURES, TYP. —

OF (10)

CANOPY COLUMN PLAN 2

Originals printed at 24" x 36" scale as required © 2020 All rights reserved

ELEVATOR 107

existing

\o\_ BUILDING

EXISTING

BUILDING

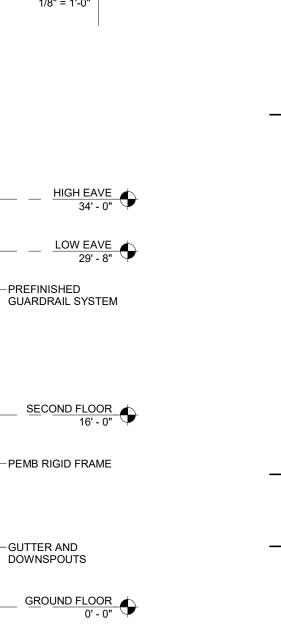
GREEN VINYL

COATED CHAIN-

LINK FENCE

/ OWNER/

7' - 3"



COMP

IE ROBINSON TRAINING UTIVE BUILDING

Project No. Drawn By Checked By

Revisions:

TH STREET EACH, FLOF

21081.00

02.10.2023

KB

**A5.1 EXTERIOR ELEVATIONS** 

DOCUMENTS

100%

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes."

CONSTRUCTION

SOUTH ELEVATION 2

SF4

LOUVERS, REF

— MECHANICAL; ALIGN WITH DOOR AS SHOWN

SF4

SF5

SF4

WALL LIGHT, REF ELEC

PREFINISHED PEMB **ROOF PANEL** 

AND DOWNSPOUTS

IMPACT RATED ALUM AND GLASS STOREFRONT SYSTEM

SECOND FLOOR\_ 16' - 0"

PAINTED HM DOOR

AND FRAME

GROUND FLOOR\_

PREFINISHED PEMB
EAVE TRIM W/ GUTTER——

1/8" = 1'-0"

PREFINISHED PEMB WALL PANEL

IMPACT RATED ALUM

AND GLASS STOREFRONT **ENTRY SYSTEM** 

PREFINISHED CANOPY

SYSTEM

PREFINISHED PEMB METAL WALL PANEL

NORTH ELEVATION 1

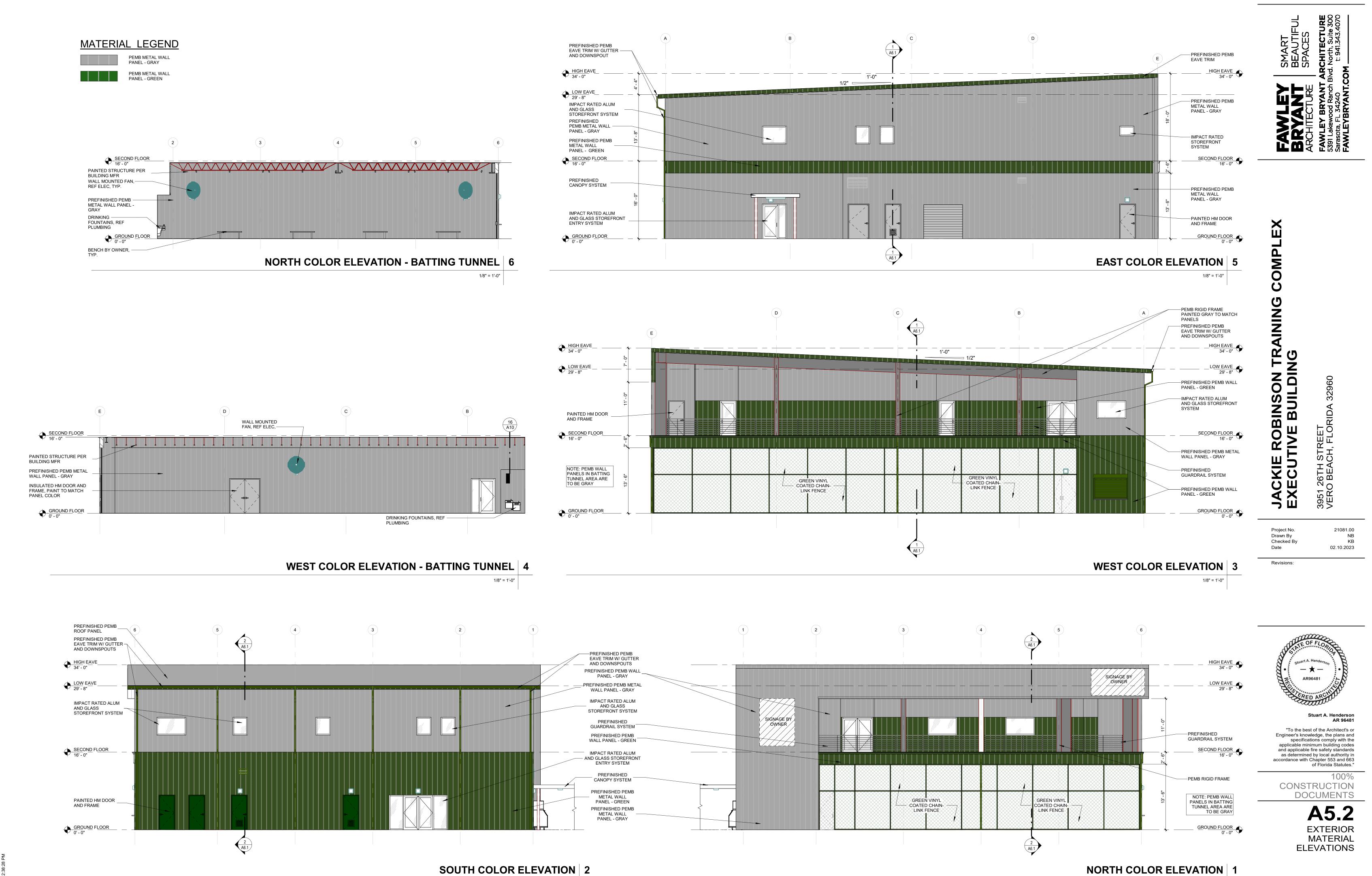
GREEN VINYL

— COATED CHAIN-

LINK FENCE

1/8" = 1'-0"

Originals printed at 24" x 36" scale as required © 2022 All rights reserved

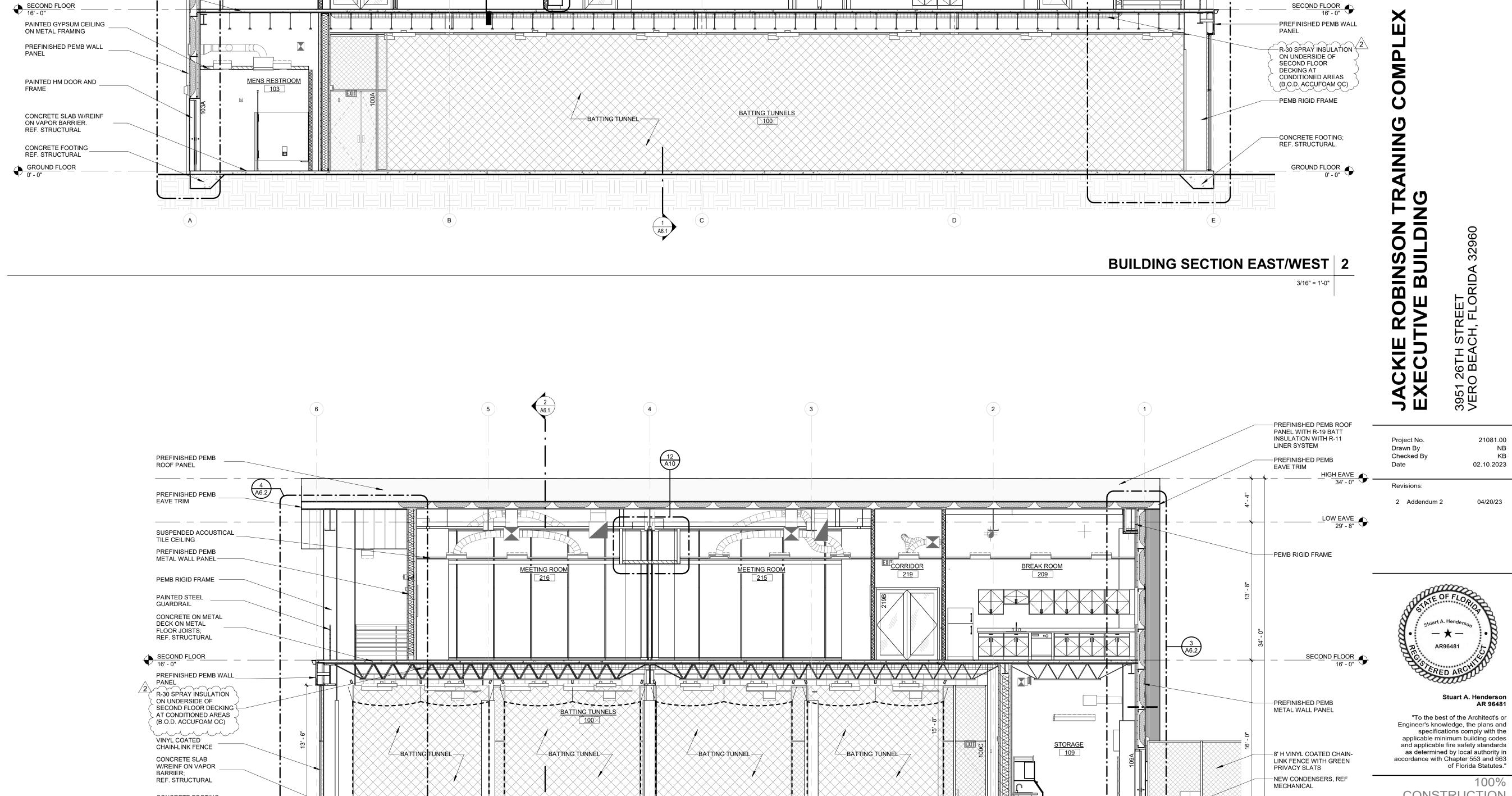


Originals printed at 24" x 36"

scale as required © 2022 All rights reserved

1/8" = 1'-0"

Autodesk Docs://21081.00 JRTC Executive Building/21081.00\_JRTC-F



MEETING ROOM

PROVIDED MONITOR,

REF 10 / A10

<u>216</u>

PREFINISHED PEMB ROOF

PANEL WITH R-19 BATT INSULATION WITH R-11 LINER

PREFINISHED PEMB EAVE TRIM W/ GUTTER

AND DOWNSPOUTS

SUSPENDED ACOUSTICAL TILE CEILING

PEMB RIGID FRAME

CONCRETE ON METAL DECK ON METAL FLOOR JOISTS. — REF. STRUCTURAL

CORRIDOR

219

OFFICE 202

WORK ROOM
218

2 A10.1

SYSTEM

LOW EAVE 29' - 8"

-PREFINISHED PEMB **ROOF PANEL WITH** R-19 BATT INSULATION WITH R-11 LINER SYSTEM

-PREFINISHED

PEMB WALL PANEL

PREFINISHED PEMB

METAL WALL PANEL

—IMPACT RATED ALUM

PEMB RIGID FRAME

**GUARDRAIL SYSTEM** 

-PREFINISHED

STOREFRONT SYSTEM

AND GLASS

HIGH EAVE 34' - 0"

A6.2

MEETING ROOM
214

-OPERABLE

PARTITION

OWNER PROVIDED

MONITOR,

REF10 / A10

Originals printed at 24" x 36" scale as required © 2022 All rights reserved

1/2" = 1'-0"

1/2" = 1'-0"



Originals printed at 24" x 36" scale as required © 2022 All rights reserved

1/2" = 1'-0"

applicable minimum building codes

CONSTRUCTION

DOCUMENTS

A6.2

of Florida Statutes."

100%

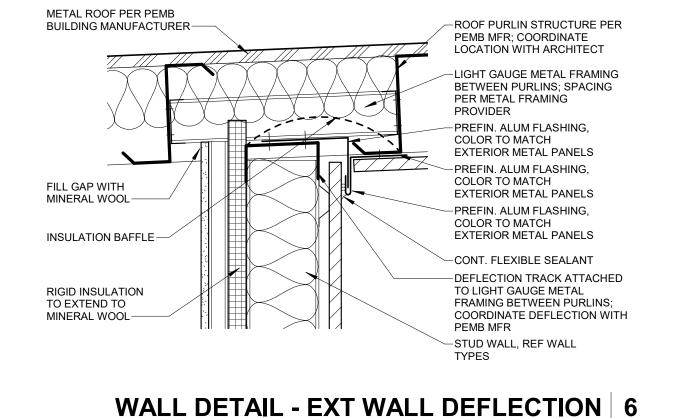
WALL DETAIL - FRAME FURRING 7

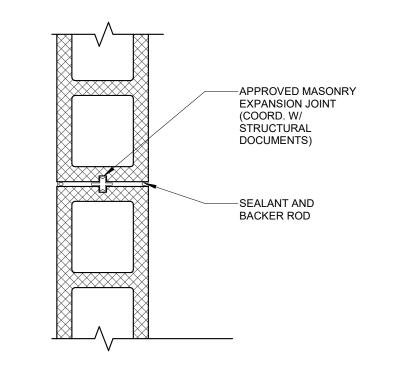
1" = 1'-0"

-CAST-IN-PLACE

CURB DETAIL 3

3" = 1'-0"

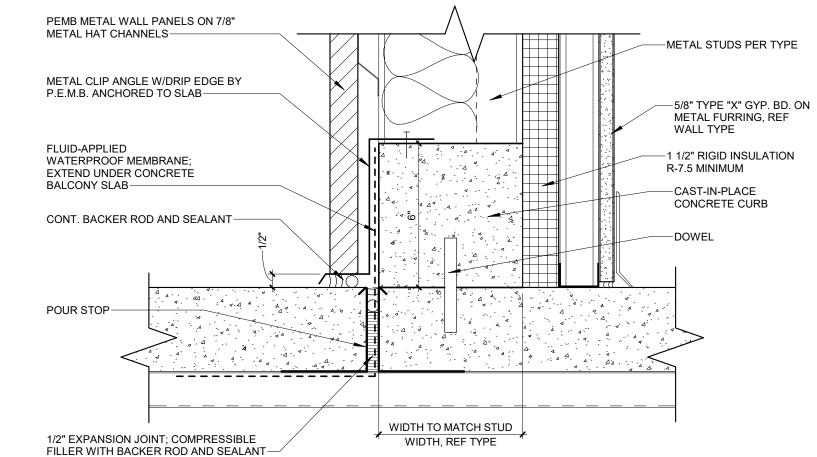




## TYPICAL MASONRY

CONTROL JOINT 5

1 1/2" = 1'-0"



-STUD WALL, REF TYPES -RIGID STEEL FRAME PER RIGID STEEL FRAME PER BUILDING MFR-BUILDING MFR--5/8" TYPE X GYP BOARD ON 1 -5/8" TYPE X GYP BOARD ON 1 5/8" METAL STUDS-5/8" METAL STUDS --CONT. 1.5" RIGID INSULATION, TYP. -CONT. 1.5" RIGID INSULATION, TYP. EXTERIOR WALL, REF WALL **TYPES** 

1 1/2" = 1'-0"

#### TYPICAL COLUMN WRAP DETAILS 2

1 1/2" = 1'-0"

### CONCRETE MASONRY UNIT PARTITIONS

CONCRETE

FOUNDATION-

CALCAREOUS OR SILICEOUS GRAVEL WALL RATINGS PER FLORIDA BUILDING CODE, FIFTH EDITION, 2014 1 HOUR RATING = 2.8" MIN WALL THICKNESS 2 HOUR RATING = 4.2" MIN WALL THICKNESS 3 HOUR RATING = 5.3" MIN WALL THICKNESS 4 HOUR RATING = 6.2" MIN WALL THICKNESS

1 HOUR REQUIRED - 4 HOUR PROVIDED

#### RATED FIRE RESISTANCE FOR CMU PARTITIONS

#### PARTITION TYPES NOTES

1. PARTITION TYPES ARE INDICATED ON THE FLOOR PLANS.

2. ALL PARTITIONS SHALL EXTEND FROM FLOOR SLAB OR DECK TO THE UNDERSIDE OF THE STRUCTURAL DECK TO ACHIEVE COMPLETE CLOSURE, UNLESS NOTED OTHERWISE

-1-3/16" METAL

-4" CONCRETE

1/2" EXP. JOINT

1 1/2" = 1'-0"

CLIP ANGLE DETAIL 4

SIDEWALK

**BUILDING PANEL** 

-METAL CLIP ANGLE

W/DRIP EDGE BY

P.E.M.B. ANCHORED

3. CONSTRUCTION OF FIRE-RATED PARTITIONS, INCLUDING TAPING AND FINISHING OF GYPSUM BOARD FOR FULL HEIGHT TO STRUCTURE ABOVE, SHALL BE IN ACCORDANCE WITH U.L. SYSTEM ASSEMBLY OR OTHER APPROVED ASSEMBLY SYSTEM TO ACHIEVE THE RATING INDICATED. 4. PROVIDE FULL HEIGHT ACOUSTICAL SOUND BATT INSULATION AT ALL INTERIOR METAL STUD

PARTITIONS, UNLESS NOTED OTHERWISE. SOUND ISOLATION PARTITIONS SHALL BE SEALED FULL HEIGHT. TAPE AND FINISH ALL GYPSUM BOARD JOINTS AND FASTENERS, PROVIDE SEALANT AT PERIMETER AND AT ALL PENETRATIONS. 5. WHERE WOOD BLOCKING IS REQUIRED IN NON-COMBUSTIBLE CONSTRUCTION, PROVIDE

6. PARTITION TYPES DESCRIBE THE PRIMARY MEMBER AND SHEATHING. REFER TO FINISH SCHEDULE FOR ALL PARTITION FINISH DESIGNATIONS.

FIRE-RETARDANT TREATED WOOD BLOCKING FOR PARTITION MOUNTED EQUIPMENT AND

7. PROVIDE TYPE 'WR' WATER RESISTANT GYPSUM BACKING BOARD IN ALL WET AREAS SUCH AS TOILET, LOCKER, AND SHOWER ROOMS. PROVIDE 5/8" CEMENTITIOUS BACKING BOARD AT ALL CERAMIC TILE FINISHES TO ALIGN WITH 5/8" TYPE 'WR' GYPSUM BOARD ABOVE.

8. PROVIDE SLIP JOINT CONNECTIONS AT THE TOPS OF ALL PARTITIONS WHICH INTERSECT THE STRUCTURE ABOVE. PROVIDE FIRE SAFING AT ALL SLIP JOINT CONNECTIONS IN FIRE RATED

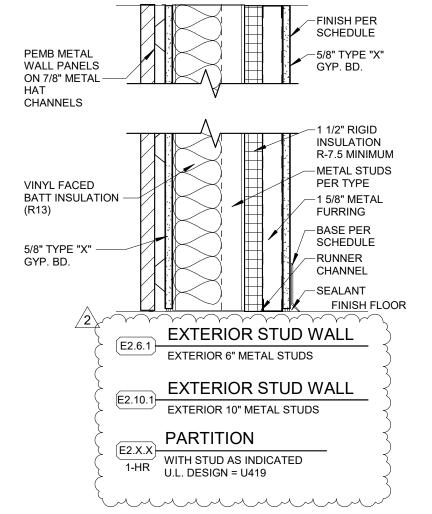
9. PROVIDE GYPSUM BOARD CONTROL JOINTS WHERE DESIGNATED ON THE INTERIOR ELEVATIONS AND ANYWHERE THERE IS A CONTINUOUS RUN OF GYPSUM BOARD THAT IS GREATER THAN 30'-0" IN LENGTH. CONFIRM THE LOCATION OF ADDITIONAL CONTROL JOINTS WITH THE ARCHITECT PRIOR TO INSTALLATION.

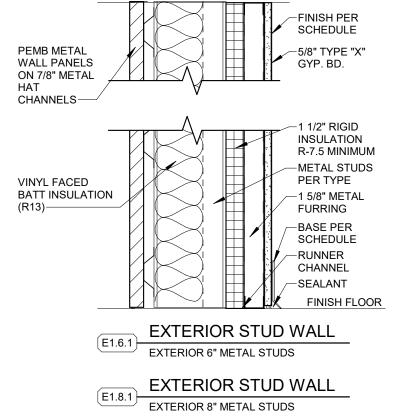
#### LIGHT GAUGE STEEL GENERAL NOTE

LIGHT GAUGE STEEL EXTERIOR AND, WHERE REQUIRED, INTERIOR WALL AND CEILING SYSTEMS AND COMPONENTS AS A MINIMUM REQUIRE FABRICATION AND ERECTION DRAWINGS PREPARED BY A DELEGATED ENGINEER. DELEGATED ENGINEER SHALL POSSESS CURRENT PROFESSIONAL LICENSURE IN THE JURISDICTION OF THE PROJECT, AND SHALL MAINTAIN MINIMUM LIABILITY INSURANCE OF \$1,000,000.

#### **EXTERIOR WALL INSULATION**

PROVIDE FULL HEIGHT RIGID OR BATT INSULATION TO CREATE A COMPLETE THERMAL ENCLOSURE. ALL 1-1/2" RIGID INSULATION IS TO BE SEMI-PERMEABLE AND NON-FACED. INSULATION TO EXTEND TO UNDERSIDE OF STRUCTURE OR DECK AS INDICATED ON BUILDING AND/OR WALL SECTIONS. ALL INSULATION SHALL BE COVERED BY MIN 5/8" GYPSUM BOARD.





FINISH PER SCHEDULE

-CMU, REF

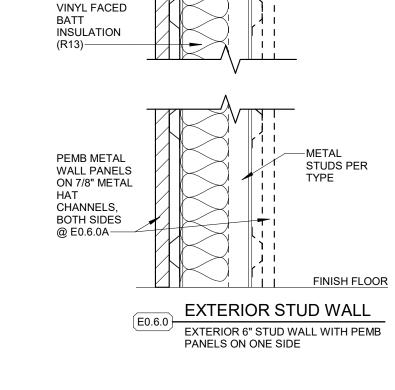
CMU PARTITION

8"x8"x16" CMU

C0.8.0

STRUCTURAL

-BASE PER SCHEDULE



-FINISH PER

SCHEDULE

GYP. BD.

@ 24" O.C.

←2 1/2" CH-STUD

-1" FIRE-SHIELD

SHAFTLINER

-BASE PER

-J-TRACK

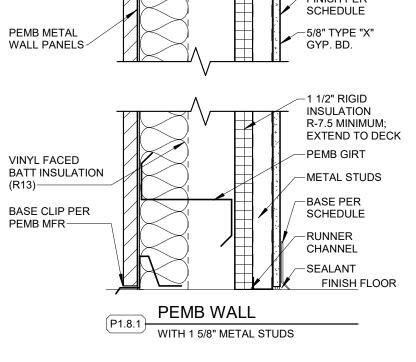
SHAFT WALL

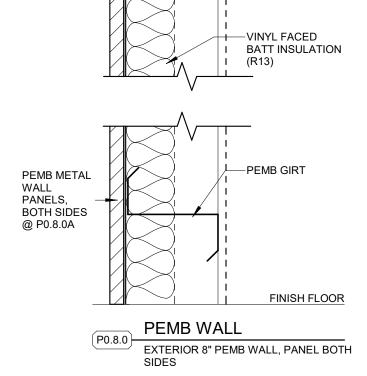
WITH 2-1/2" CH METAL STUD

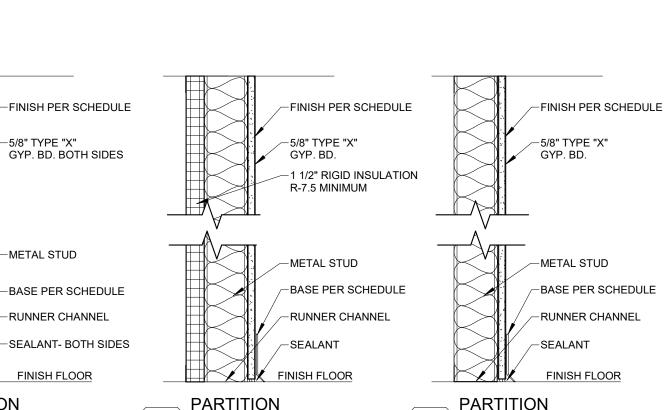
SCHEDULE

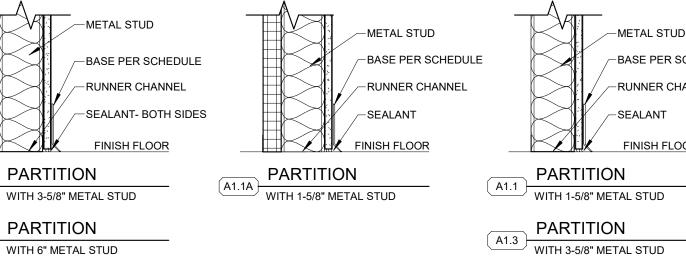
-FIRE SAFING

FINISH FLOOR











WALL TYPES 1

Originals printed at 24" x 36" scale as required

**DETAILS** 

1 1/2" = 1'-0"

"To the best of the Architect's or Engineer's knowledge, the plans and

AINING

ON TRA

Project No.

Checked By

Revisions:

2 Addendum 2

Drawn By

specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes 100%

21081.00

02.10.2023

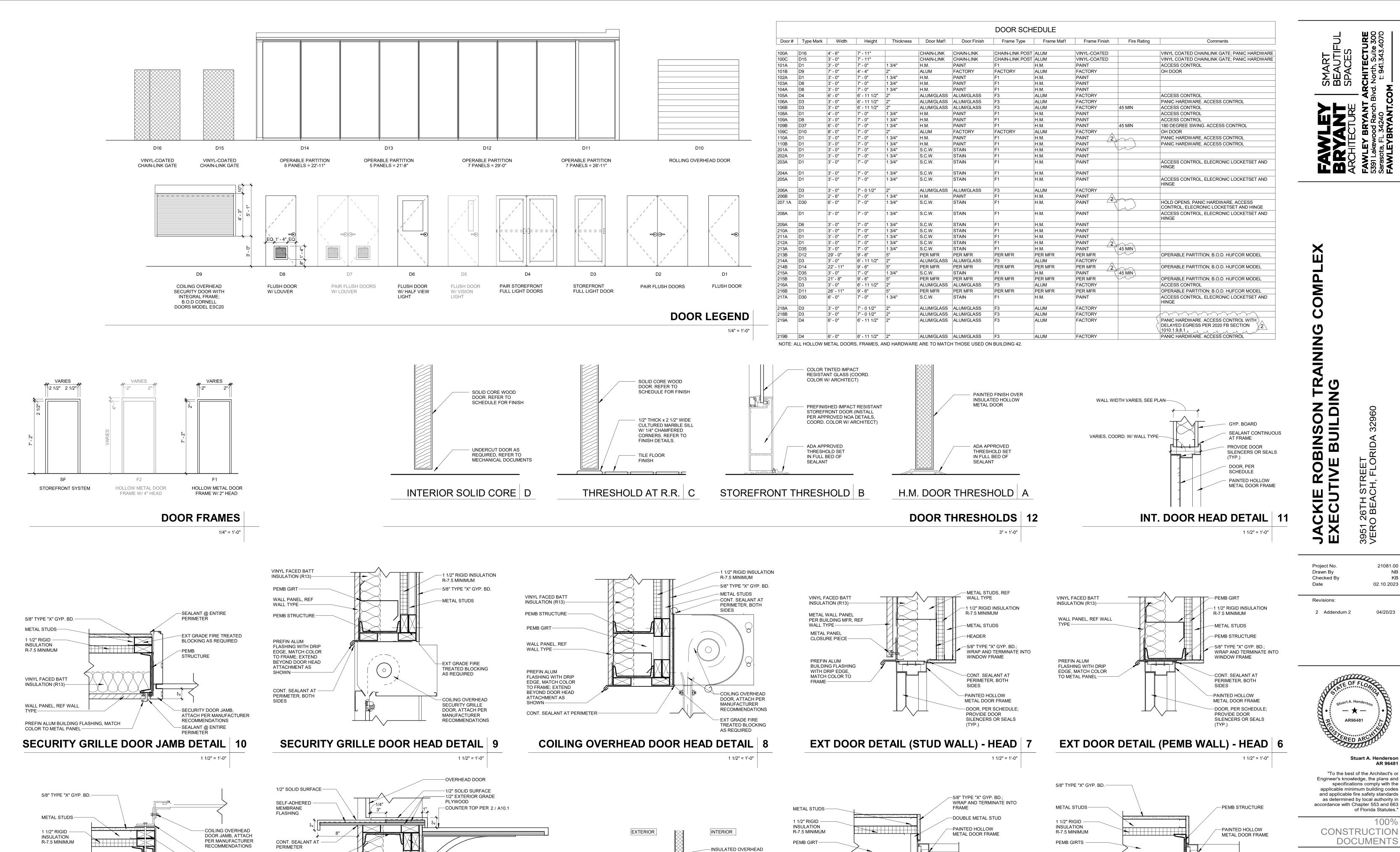
04/20/23

KB

CONSTRUCTION **DOCUMENTS** 

WALL TYPES AND

© 2022 All rights reserved



VINYL FACED BATT

INSULATION (R13)-

METAL WALL PANEL

WALL TYPE-

PER BUILDING MFR, REF

PREFIN ALUM BUILDING FLASHING, MATCH COLOR TO FRAME

-CONCRETE SLAB

DETAIL 3

**EXT OH DOOR SILL** 

VINYL FACED

WALL PANEL,

REF WALL TYPE

PREFIN ALUM BUILDING FLASHING,

MATCH COLOR TO METAL PANEL-

-DOOR, PER SCHEDULE;

OR SEALS (TYP.)

EXT DOOR DETAIL (STUD WALL) - JAMB 2

-CONT. SEALANT AT

PROVIDE DOOR SILENCERS

PERIMETER, BOTH SIDES

**BATT INSULATION** 

BATT INSULATION

WALL PANEL

REF WALL TYPE

-CONLT SEALANT AT

ENTIRE PERIMETER

TREATED BLOCKING AS

PREFIN ALUM BUILDING

FLASHING, MATCH

COLOR TO METAL

EXT GRADE FIRE

REQUIRED

STRUCTURE

-PFMB

COILING OVERHEAD DOOR JAMB DETAIL 5

PEMB STRUCTURE

WALL PANEL, REF

VINYL FACED BATT

INSULATION (R13)

PEMB GIRT

WALL TYPE—

EXT GRADE FIRE

AS REQUIRED

SECURITY GRILLE DOOR SILL DETAIL 4

TREATED BLOCKING

-5/8" TYPE "X" GYP. BD.

1 1/2" RIGID INSULATION

Originals printed at 24" x 36" scale as required © 2022 All rights reserved

DOOR SCHEDULE

TYPES & DETAILS

-DOOR, PER SCHEDULE;

OR SEALS (TYP.)

EXT DOOR DETAIL (PEMB WALL) - JAMB | 1

-CONT. SEALANT AT

PROVIDE DOOR SILENCERS

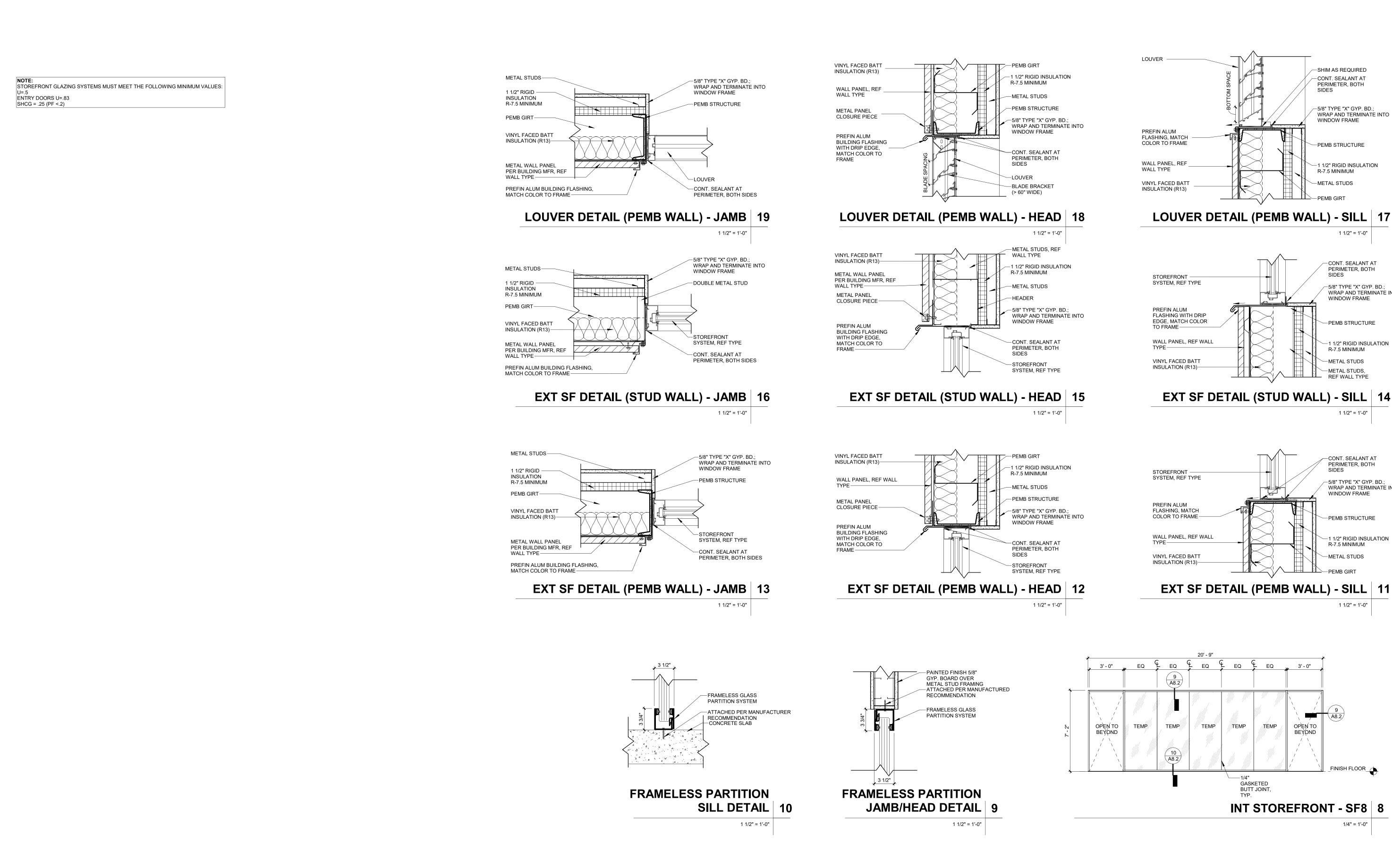
PERIMETER, BOTH SIDES

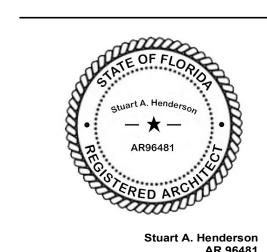
1 1/2" = 1'-0"

of Florida Statutes.

100%

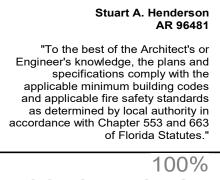
02.10.2023





21081.00

02.10.2023

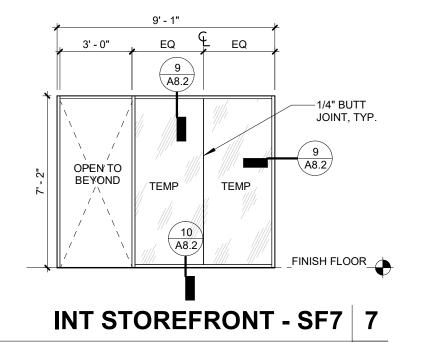


CONSTRUCTION **DOCUMENTS** 

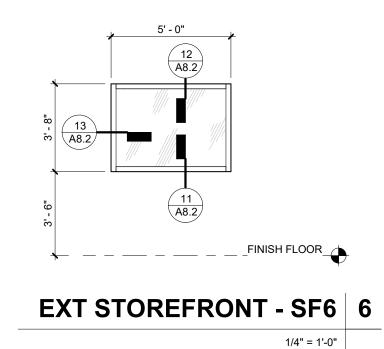
**A8.2** STOREFRONT TYPES & DETAILS

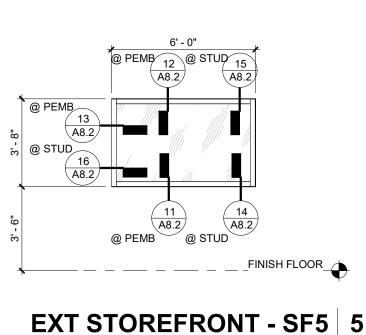
Originals printed at 24" x 36"

scale as required © 2022 All rights reserved

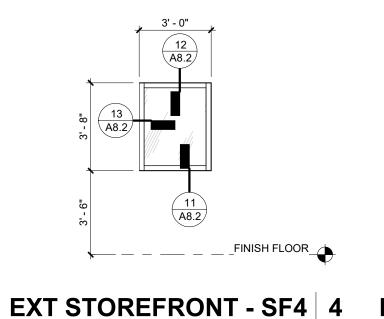


1/4" = 1'-0"

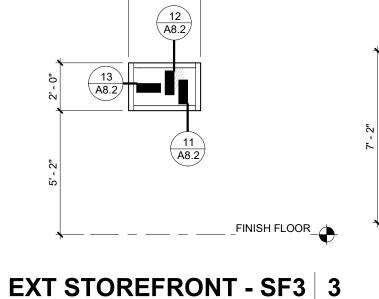




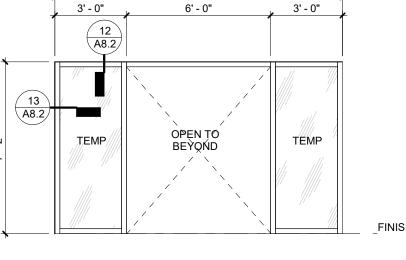
1/4" = 1'-0"

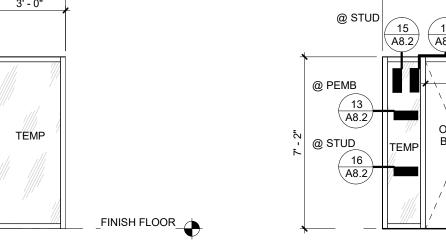


1/4" = 1'-0"



1/4" = 1'-0"





1/4" = 1'-0"

BEYOND

SHIM AS REQUIRED

-CONT. SEALANT AT

PERIMETER, BOTH

PEMB STRUCTURE

R-7.5 MINIMUM

-METAL STUDS

1 1/2" RIGID INSULATION

1 1/2" = 1'-0"

-CONT. SEALANT AT

-5/8" TYPE "X" GYP. BD.;

WRAP AND TERMINATE INTO

Ш

**▼**O

NIN M

ON TR

Project No. Drawn By Checked By

PERIMETER, BOTH

WINDOW FRAME

-PEMB STRUCTURE

R-7.5 MINIMUM

-METAL STUDS

-METAL STUDS,

-CONT. SEALANT AT

PERIMETER, BOTH

-5/8" TYPE "X" GYP. BD.;

WINDOW FRAME

-PEMB STRUCTURE

R-7.5 MINIMUM

-METAL STUDS

-1 1/2" RIGID INSULATION

1 1/2" = 1'-0"

1/4" = 1'-0"

NOTE: 1-HR RATED

**GLAZING AND** 

FRAME @ SF1A

FINISH FLOOR\_

WRAP AND TERMINATE INTO

-1 1/2" RIGID INSULATION

WRAP AND TERMINATE INTO WINDOW FRAME

#### **RESTROOM TYPICAL ELEVATIONS**

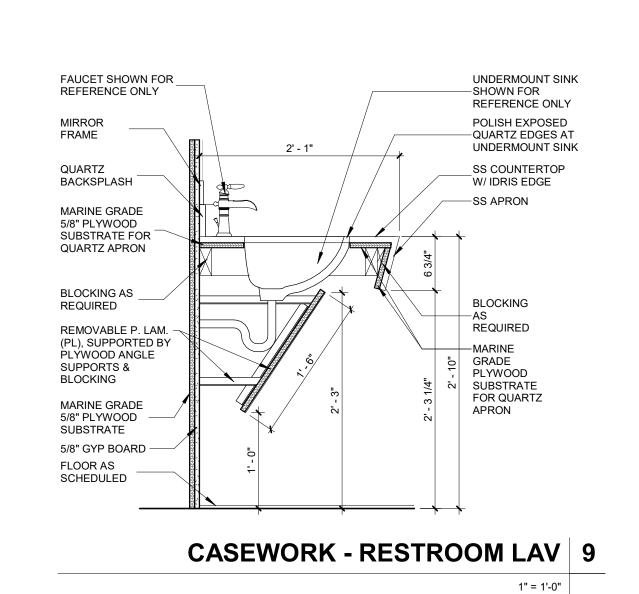
COMPLE

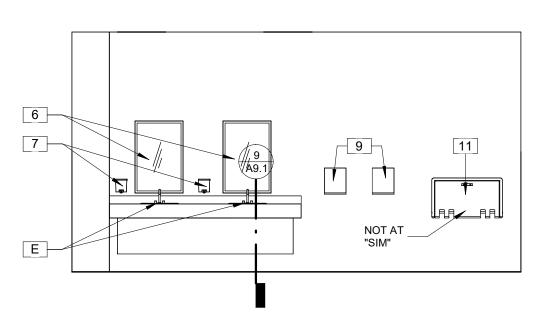
**AINING** 

Project No. Drawn By Checked By

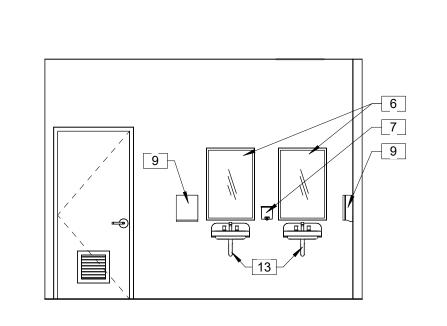
RE	STROOM ACCESSORY SCHEDULE	RESTROOM FIXTURE SCHEDULE			
No	ACCESSORY	MANUFACTURER	No	FIXTURE	MANUFACTURER
1	ADA 48" GRAB BAR	MATCH BUILDING 42	Α	ADA TOILET	REF PLUMBING SPECS
2	ADA 36" GRAB BAR	MATCH BUILDING 42	В	TOILET	REF PLUMBING SPECS
3	TOILET PAPER DISPENSER - SURFACE MOUNTED	MATCH BUILDING 42	С	ADA URINAL	REF PLUMBING SPECS
4	FEMININE DISPOSAL - SURFACE MOUNTED	MATCH BUILDING 42	D	URINAL	REF PLUMBING SPECS
5	URINAL SCREEN	MATCH BUILDING 42	Е	SINK IN COUNTER	REF PLUMBING SPECS
6	24" X 36" FRAMED MIRROR	MATCH BUILDING 42	F	WALL MOUNT SINK	REF PLUMBING SPECS
7	SOAP DISPENSER - SURFACE MOUNTED	MATCH BUILDING 42	G	FAUCET	REF PLUMBING SPECS
8	TOILET STALL PARTITIONS	MATCH BUILDING 42	Н	NOT USED	NOT USED
9	PAPER TOWEL DISPENSER - SURFACE MOUNTED	MATCH BUILDING 42	J	MOP SINK	REF PLUMBING SPECS
10	NOT USED	NOT USED	К	NOT USED	NOT USED
11	BABY CHANGER & LINERS - SURFACE MOUNTED	MATCH BUILDING 42			
12	MOP AND BROOM RACK (WALL MOUNTED)	MATCH BUILDING 42			
13	SAFETY COVER FOR EXPOSED PIPES	MATCH BUILDING 42			

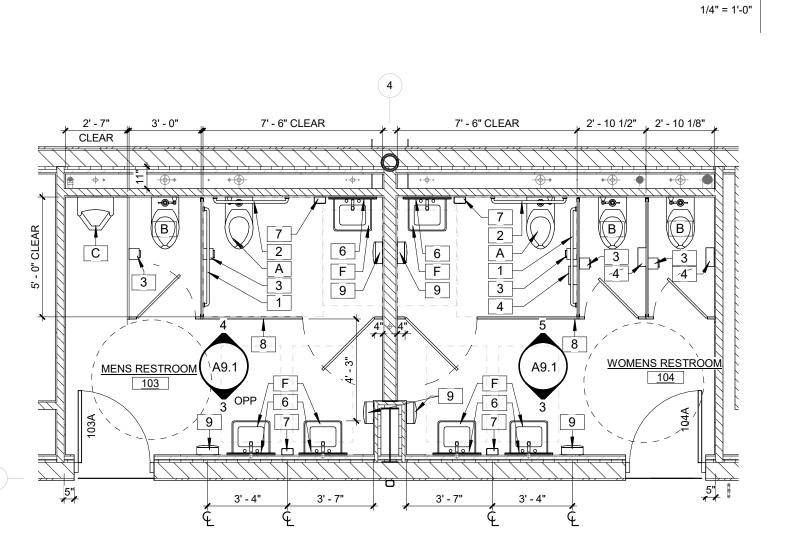
NOTE: PROVIDE BLOCKING AT ALL WALL MOUNT FIXTURE ACCESSORIES











MENS RESTROOM
211

WOMENS RESTROOM

#### **ENLARGED RESTROOM PLAN - FIRST FLOOR** 1

ENLARGED RESTROOM PLAN - SECOND LEVEL 2

TH STREET EACH, FLOF

02.10.2023

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes."

100% CONSTRUCTION DOCUMENTS

**ENLARGED** RESTROOM PLANS & **ELEVATIONS** 

Originals printed at 24" x 36"

RR ELEV - SECOND FLOOR MENS 7

RR ELEV - GROUND LEVEL MENS 4

RR ELEV - GROUND LEVEL LAVS 3

RR ELEV - SECOND FLOOR WOMENS | 8

RR ELEV - GROUND LEVEL WOMENS WC 5

1/4" = 1'-0"

1/4" = 1'-0"

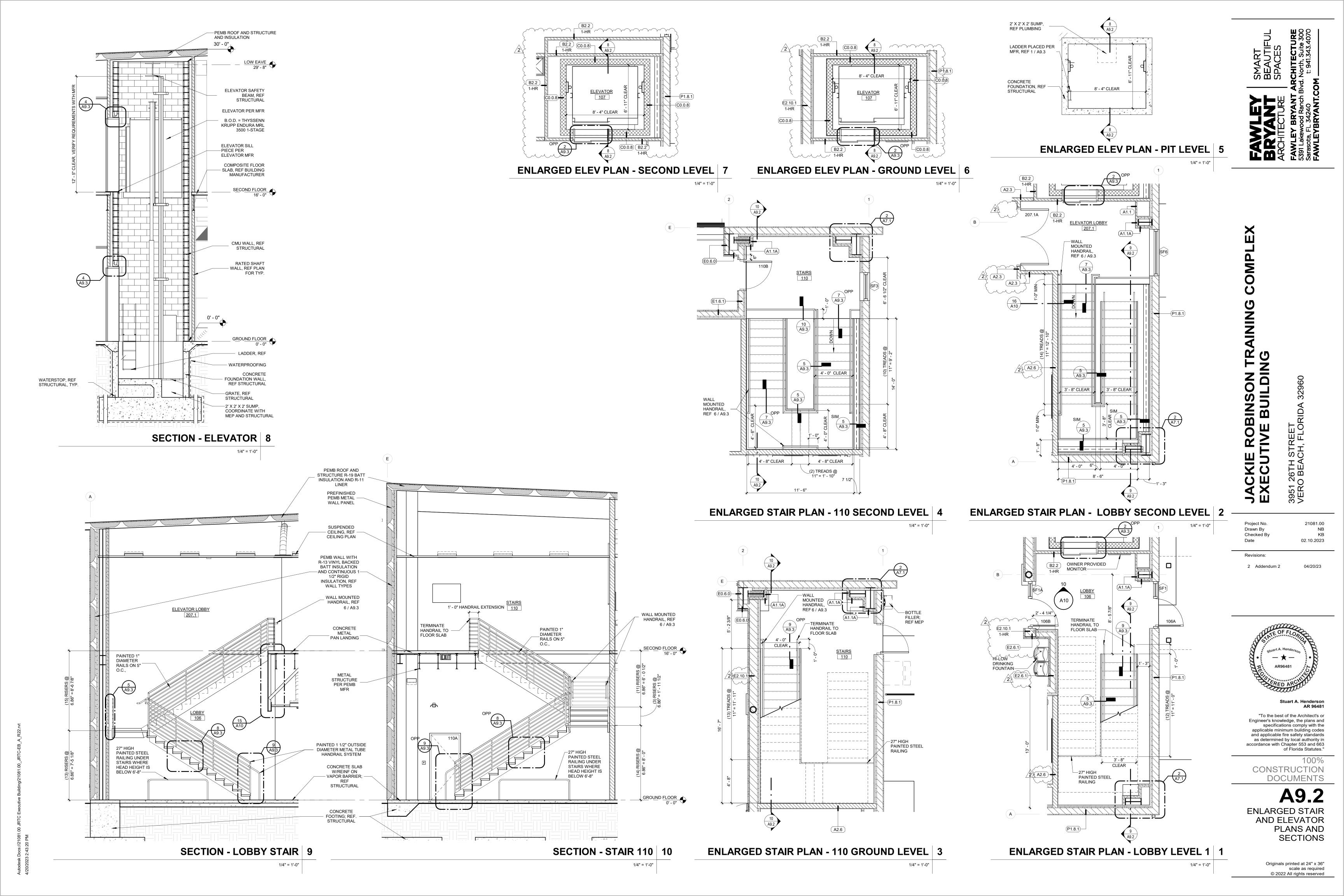
1/4" = 1'-0"

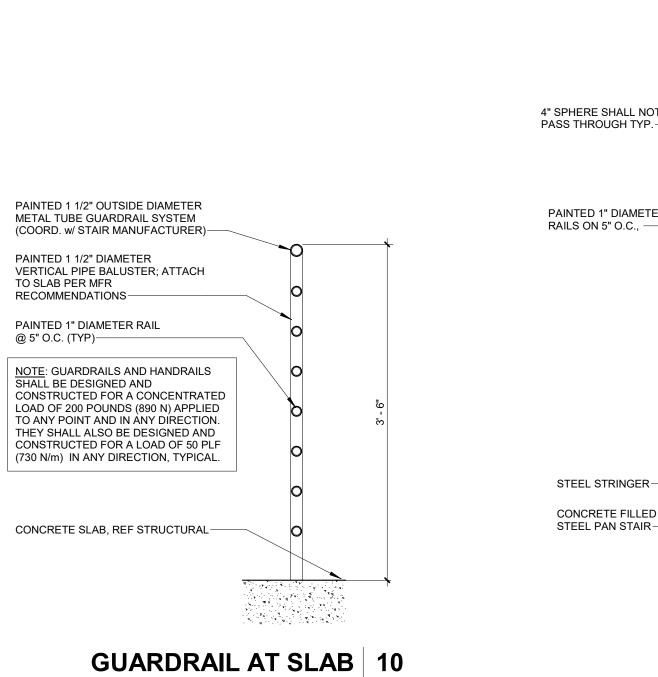
1/4" = 1'-0"

1/4" = 1'-0"

1/4" = 1'-0"

scale as required
© 2022 All rights reserved





1" = 1'-0"

PAINTED 1 1/2" O.D. METAL TUBE

NOSING

PAINTED HANDRAIL BRACKET

HANDRAIL SYSTEM

WALL SYSTEM

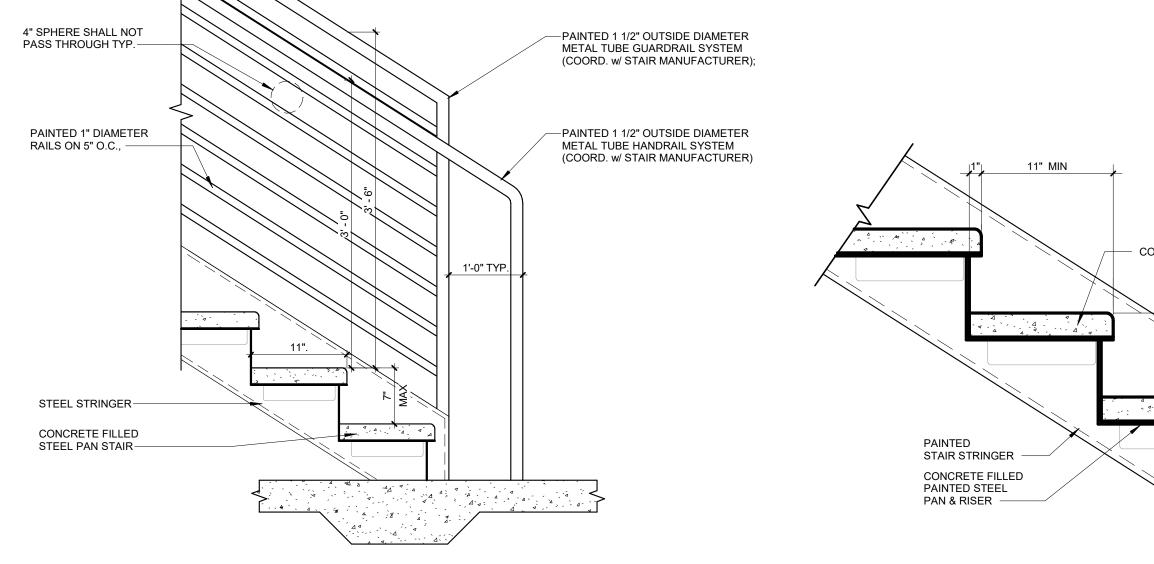
SEE FLOOR FINISH

CONCRETE FILLED

STEEL PAN

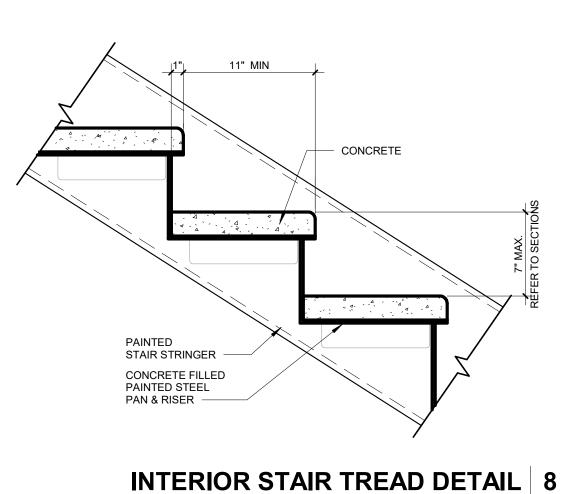
PLAN FOR TREAD FINISH PAINTED STAIR RISER

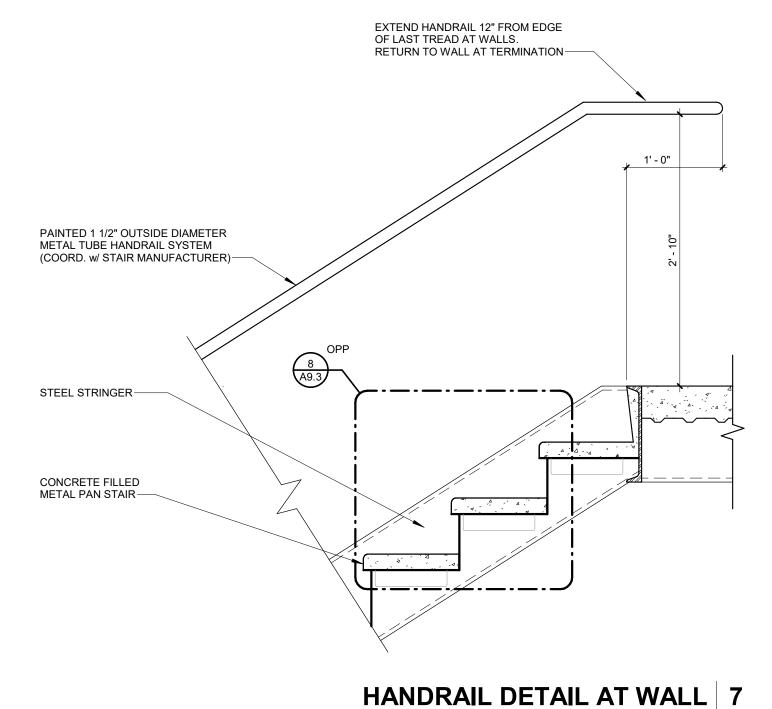
PAINTED STAIR STRINGER

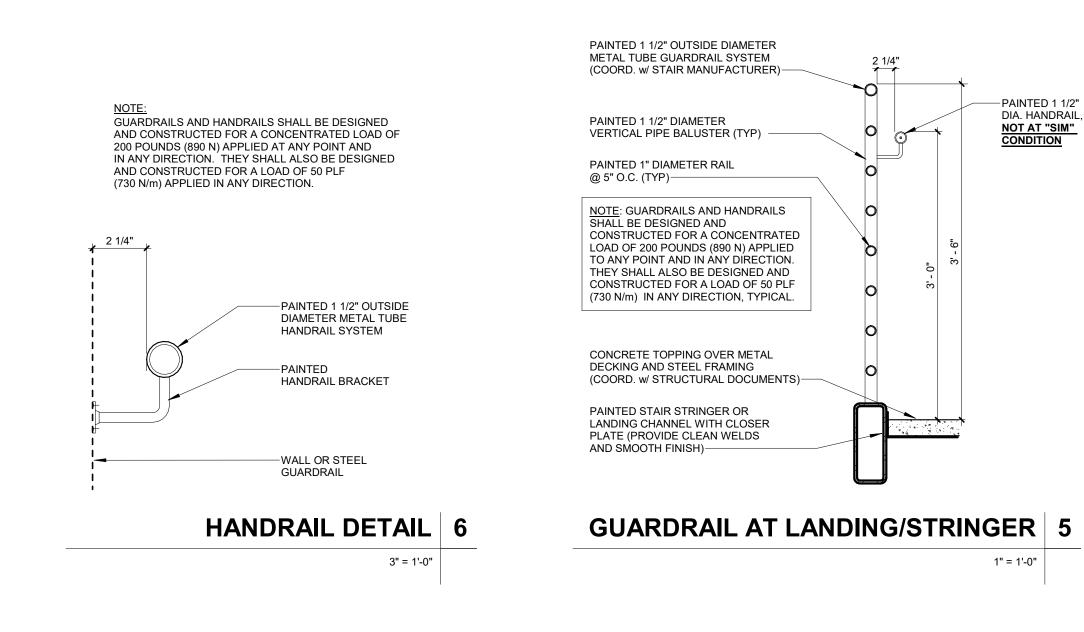


BOTTOM OF STAIR DETAIL 9

1" = 1'-0"







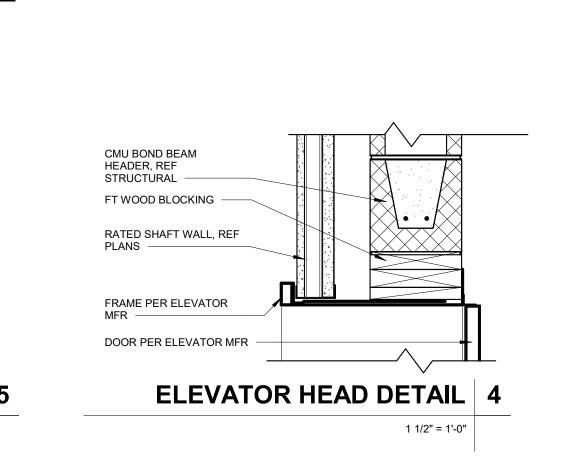
PAINTED 1 1/2" O.D. METAL

TUBE GUARDRAIL AND

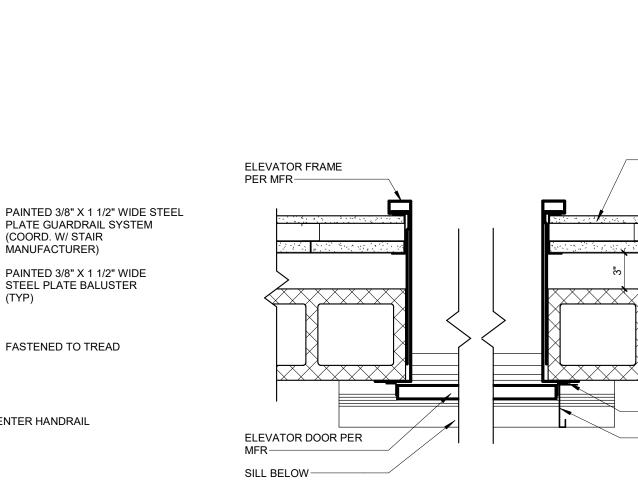
HANDRAIL SYSTEM

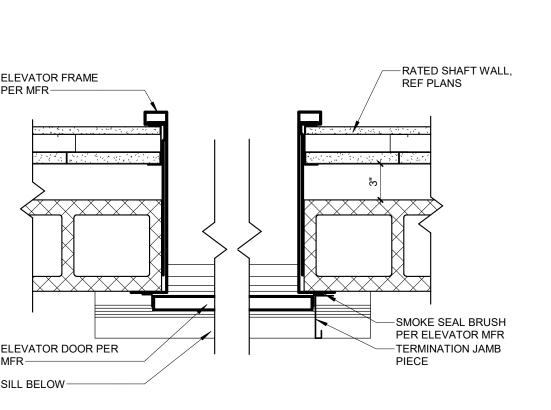
1 1/2" DIA. VERTICAL PIPE BALUSTER (TYP)

FASTEN TO STRINGER



1 1/2" = 1'-0"





HANDRAIL & GUARDRAIL DETAILS 3

PAINTED 1 1/2" O.D.

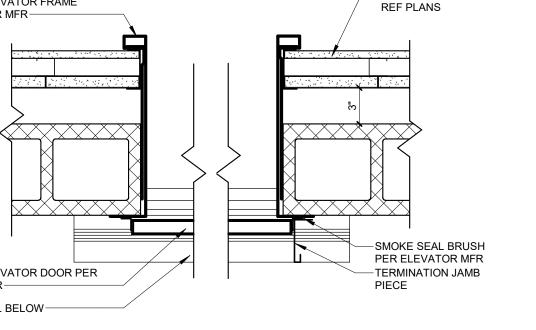
METAL TUBE

1 1/2" O.D. VERTICAL PIPE BALUSTER (TYP)

1 1/4" DIA. INTERMEDIATE RAILING (TYP)

→ GUARDRAIL SYSTEM

**ELEVATOR JAMB DETAIL** 2



**ELEVATOR LADDER DETAIL** 1

**B** - LADDER SECTION

1" = 1'-0"

CMU WALL--1/2" ANCHOR -SECURE TO WALL -2 1/2" X 3/8" STEEL CLIP ANGLES (3 -2 1/2" X 3/8" STEEL -7/8" DIA. STEEL RUNG AT 12" O.C. WITH NON-SLIP FINISH CONCRETE FOUNDATION WALL-WATERPROOFING AND PROTECTION BOARD— EXPANSION ANCHORS-

Project No.

Checked By

Revisions:

Drawn By

COMP

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes."

21081.00

02.10.2023

KB

100% CONSTRUCTION **DOCUMENTS** 

**ELEVATOR AND** STAIR DETAILS

Originals printed at 24" x 36"

PLATE GUARDRAIL SYSTEM

PAINTED 3/8" X 1 1/2" WIDE

STEEL PLATE BALUSTER

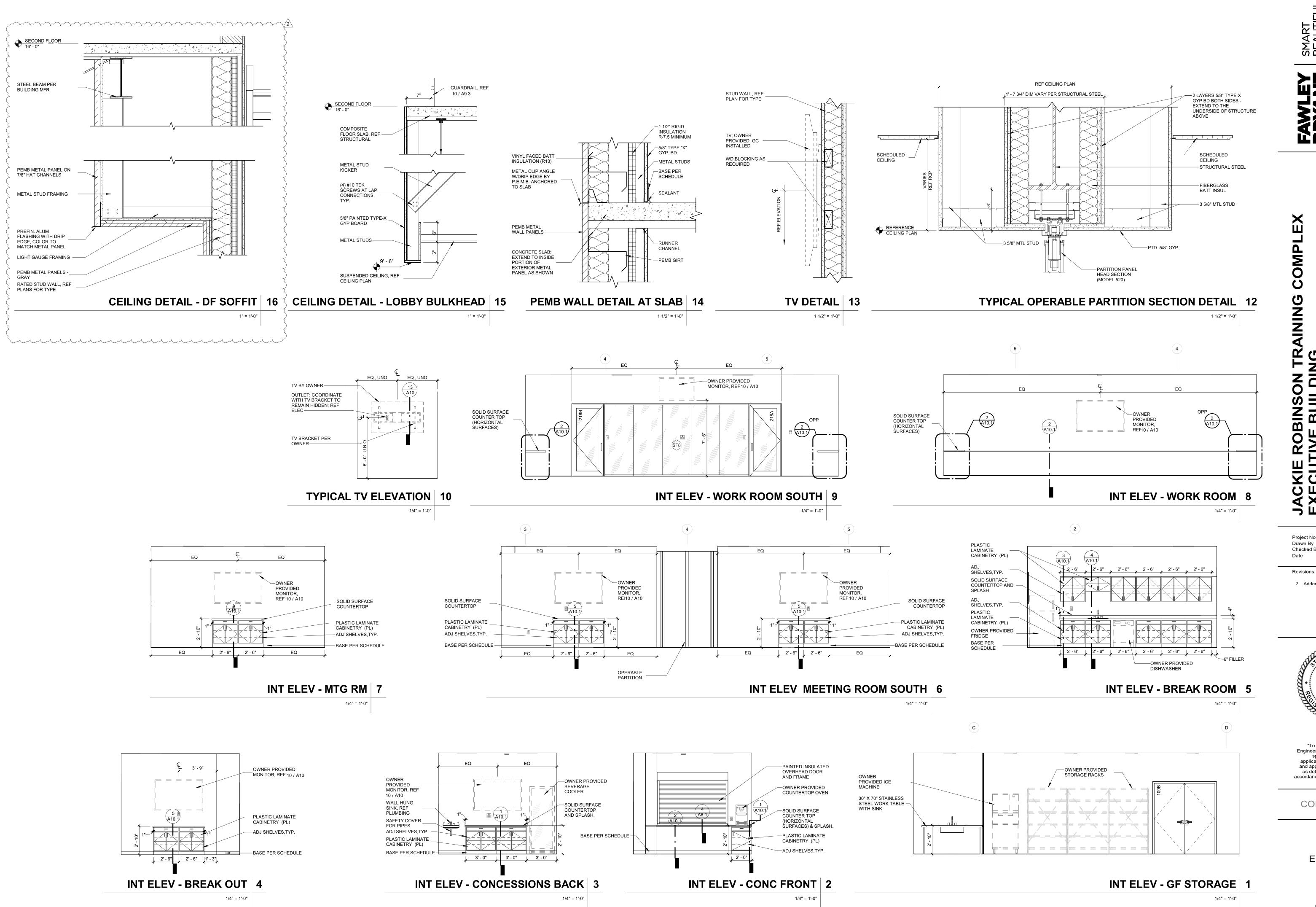
FASTENED TO TREAD

CENTER HANDRAIL

(COORD. W/ STAIR

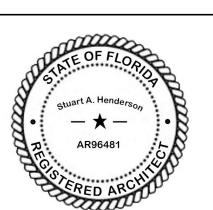
MANUFACTURER)

A - LADDER ELEVATION



21081.00 Project No. Checked By KB 02.10.2023 Revisions:

2 Addendum 2



"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663

of Florida Statutes." 100%

CONSTRUCTION **DOCUMENTS** 

> INTERIOR **ELEVATIONS & DETAILS**

Originals printed at 24" x 36" scale as required © 2022 All rights reserved

SOLID SURFACE COUNTERTOP - DRAWER SHOWN FOR REFERENCE. SEE INTERIOR ELEVATION FOR ACTUAL - (2) HEIGHT ADJUSTABLE SHELVES FOR REFERENCE. SEE INTERIOR ELEVATIONS FOR ANOLIT - ALL VERTICAL SURFACES TO BE PLASTIC LAMINATE (PL). SEE FINISH SCHEDULE. Project No. Drawn By Checked By

Revisions:

21081.00

02.10.2023

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes."

100% CONSTRUCTION

DOCUMENTS CASEWORK DETAILS

Originals printed at 24" x 36" scale as required © 2022 All rights reserved

-#60 NYLON NON-MARKING

BLACK BATTING CAGE

FEET SLACK

NETTING ANCHOR DETAIL 2

-CONCRETE SLAB

NETTING - PROVIDED BY

-WEIGHTED NET BOTTOM, MIN 3

1 1/2" = 1'-0"

2

-STEEL JOIST PER

-- P1834A TRACK SUPPORT @ EVERY 4' O.C.; ATTACH TO JOISTS WITH 3/8"

BOLT ON BOTH SIDES OF JOIST

— P1000 UNISTRUT TROLLEY TRACK

BUILDING MFR

**NETTING DETAIL - CENTER SUPPORT 4** 

—STEEL JOIST PER

—SHIM FOR ANGLE

---P1834A TRACK SUPPORT @ EVERY 4' O.C.; ATTACH TO JOISTS AT APPROX.

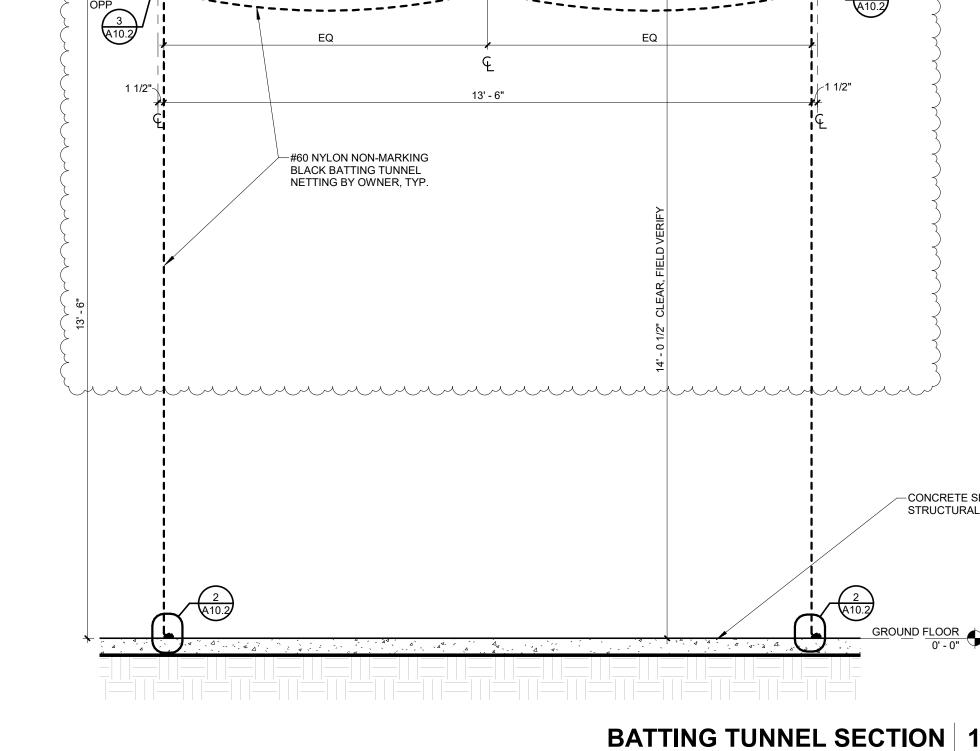
—P1000 UNISTRUT TROLLEY TRACK

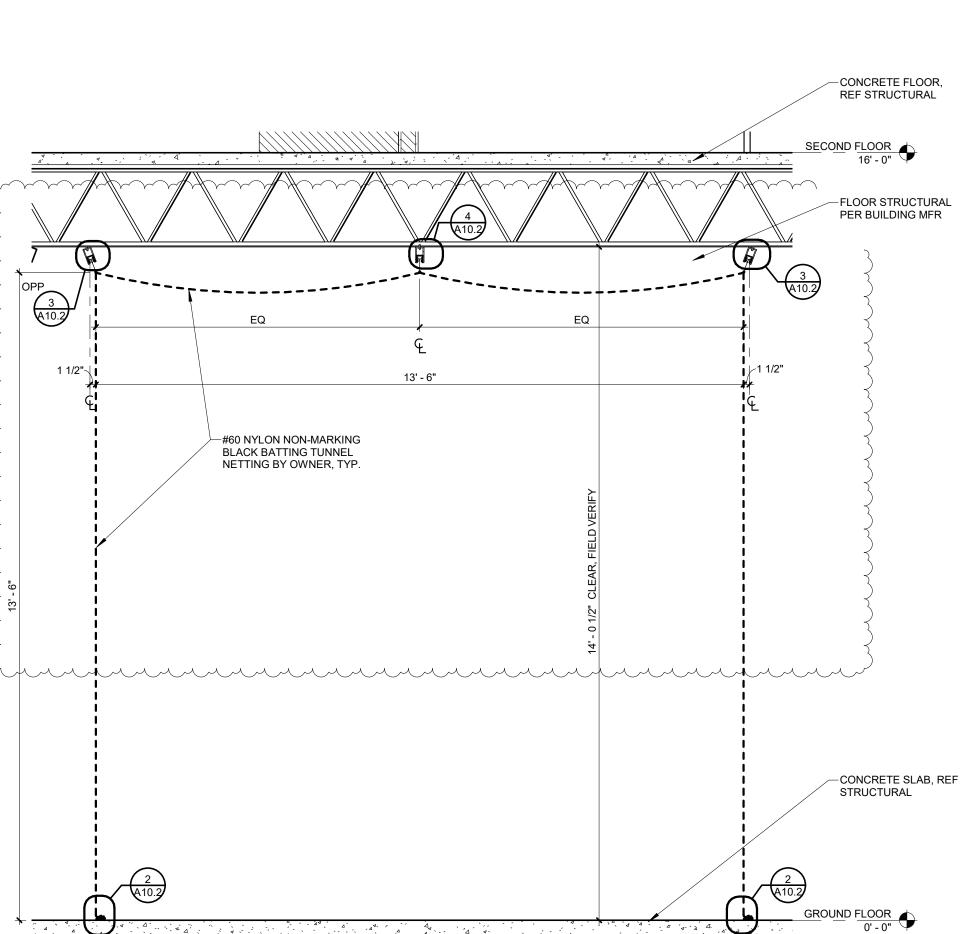
19 DEGREE ANGLE WITH 3/8" BOLT ON BOTH SIDES OF JOIST FLANGE

BUILDING MFR

NETTING DETAIL - SIDE SUPPORT 3

\_\_\_\ \ / \_ /







3951 26TH STREET VERO BEACH, FLORIDA 32960 21081.00 KB 02.10.2023

Checked By

Revisions: 2 Addendum 2

Project No.

Drawn By

"To the best of the Architect's or Engineer's knowledge, the plans and specifications comply with the applicable minimum building codes

and applicable fire safety standards as determined by local authority in accordance with Chapter 553 and 663 of Florida Statutes." 100% CONSTRUCTION DOCUMENTS

**NETTING DETAILS** 

Originals printed at 24" x 36" scale as required © 2022 All rights reserved

1/2" = 1'-0"