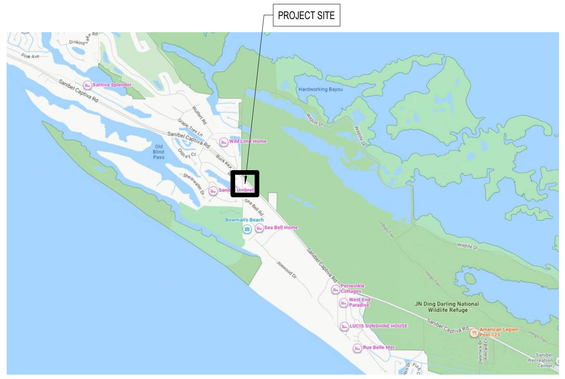

GENERAL

SHEET NUMBER	SHEET TITLE
G000	COVER
G001	GENERAL INFORMATION AND ABBREVIATIONS
G010	CODE SUMMARY & CALCULATIONS
G011	FLORIDA PRODUCT APPROVALS
G020	UL ASSEMBLIES
G021	UL ASSEMBLIES
G022	UL ASSEMBLIES
G031	PARTITION TYPES & NOTES
G032	TYPICAL PARTITION DETAILS
G101	LIFE SAFETY PLANS

CIVIL

SHEET NUMBER	SHEET TITLE
C1	COVER SHEET, VICINITY MAP & INDEX
C2	AERIAL & EXISTING CONDITIONS PLAN
C3	DEMOLITION PLAN
C4	SITE LAYOUT, SIGNING & MARKING PLAN
C5	PAVING, GRADING & DRAINAGE PLAN
C6	UTILITY PLAN
C7	TYPICAL SECTIONS
C8	PAVING DETAILS
C9	ISLAND WATER ASSOCIATION UTILITY DETAILS
C10	WATER & SEWER DETAILS
C11	EROSION CONTROL PLAN

LANDSCAPE

SHEET NUMBER	SHEET TITLE
L-C	COVER
L-EX-1	VEGETATION IMPACTS PLAN
LP-1	CODE REQUIREMENTS PLAN
LP-2	PROPOSED PLANTING PLAN
LP-2A	PROPOSED PLANTING PLAN
LP-3	CODE REQUIRED BUFFERS
LP-4	PLANT SCHEDULE
LP-5	PLANT PALETTE
LP-6	CONCEPT IMAGES
LP-7	LANDSCAPE DETAILS AND NOTES
LP-IR-1	PROPOSED IRRIGATION PLAN
LP-IR-2	IRRIGATION DETAILS AND NOTES

ARCHITECTURAL SITE

SHEET NUMBER	SHEET TITLE
AS011	DEMOLITION SITE PLAN
AS012	ARCHITECTURAL SITE PLAN
AS013	CONSTRUCTION STAGING PLAN
AS501	SITE PLAN DETAILS
AS502	SITE PLAN DETAILS
AS503	SITE DETAILS - EXISTING STORAGE BUILDING

ARCHITECTURAL

SHEET NUMBER	SHEET TITLE
A030	SLAB PLAN - APPARATUS BAY
A031	SLAB PLAN - FIRST FLOOR
A032	SLAB PLAN - SECOND FLOOR
A100	ARCHITECTURAL PLAN - APPARATUS BAY
A101	ARCHITECTURAL PLAN - FIRST FLOOR
A102	ARCHITECTURAL PLAN - SECOND FLOOR
A103	ARCHITECTURAL PLAN - STAIR TOWER
A120	DIMENSION PLAN - APPARATUS BAY
A121	DIMENSION PLAN - FIRST FLOOR
A122	DIMENSION PLAN - SECOND FLOOR
A141	REFLECTED CEILING PLAN - APPARATUS LEVEL & FIRST FLOOR
A142	REFLECTED CEILING PLAN - SECOND FLOOR
A151	ROOF PLAN
A152	ROOF PLANS
A160	INTERIOR FINISH SCHEDULE, LEGENDS AND DETAILS
A160-A	FINISH PLAN -APPARATUS BAY
A161	FINISH PLAN - FIRST FLOOR
A162	FINISH PLAN - SECOND FLOOR
A171	EQUIPMENT AND FURNITURE PLANS
A190	SIGNAGE TYPES & NOTES
A200	EXTERIOR FINISH LEGEND
A201	EXTERIOR ELEVATIONS
A202	EXTERIOR ELEVATIONS
A251	INTERIOR ELEVATIONS
A252	INTERIOR ELEVATIONS
A253	INTERIOR ELEVATIONS
A254	INTERIOR ELEVATIONS
A255	INTERIOR ELEVATIONS
A301	BUILDING SECTIONS
A302	BUILDING SECTIONS
A303	BUILDING SECTIONS

ARCHITECTURAL

SHEET NUMBER	SHEET TITLE
A304	BUILDING SECTIONS
A305	BUILDING SECTIONS
A351	WALL SECTIONS
A352	WALL SECTIONS
A353	WALL SECTIONS
A354	WALL SECTIONS
A355	WALL SECTIONS
A401	ENLARGED FLOOR PLANS
A441	ENLARGED RCP'S
A460	TOILET ACCESSORY SCHEDULE & MOUNTING HEIGHTS
A461	ENLARGED FLOOR PLANS - TOILET
A481	ENLARGED STAIR PLANS - INTERIOR
A482	ENLARGED STAIR PLANS - EXTERIOR
A483	STAIR / LIFT SECTIONS
A484	ENLARGED STAIR SECTIONS
A485	ENLARGED STAIR SECTIONS
A500	DOOR SCHEDULE, DOOR AND FRAME TYPES
A501	STOREFRONT, WINDOWS AND LOUVER TYPES, AND DETAILS
A510	DETAILS - DOOR / WINDOW / LOUVER
A511	DETAILS - DOOR / WINDOW
A512	DETAILS - DOOR / WINDOW
A513	DETAILS - STOREFRONT
A514	DETAILS - STOREFRONT
A521	DETAILS - EXTERIOR
A522	DETAILS - EXTERIOR
A523	DETAILS - EXTERIOR
A524	DETAILS - EXTERIOR
A541	DETAILS - CEILING
A551	DETAILS - ROOF
A552	DETAILS - ROOF
A561	DETAILS - INTERIOR
A562	DETAILS - INTERIOR
A571	MILLWORK & CASEWORK DETAILS
A581	DETAILS - STAIR & LIFT
A582	DETAILS - TYP. STAIR
A583	DETAILS - EXTERIOR STAIR
AR100	ARCHITECTURAL RENDERING - FOR REFERENCE ONLY
AR101	ARCHITECTURAL RENDERING - FOR REFERENCE ONLY
AR102	ARCHITECTURAL RENDERING - FOR REFERENCE ONLY
AR103	ARCHITECTURAL RENDERING - FOR REFERENCE ONLY
AR104	ARCHITECTURAL RENDERING - FOR REFERENCE ONLY
AR105	ARCHITECTURAL RENDERING - FOR REFERENCE ONLY
AR106	ARCHITECTURAL RENDERING - FOR REFERENCE ONLY

STRUCTURAL

SHEET NUMBER	SHEET TITLE
S001	STRUCTURAL NOTES
S002	STRUCTURAL NOTES / ABBREVIATIONS
S003	WIND PRESSURES
S100	FOUNDATION AND APPARATUS FLOOR PLAN
S101	FIRST FLOOR PLAN
S121	SECOND FLOOR AND LOW ROOF FRAMING PLAN
S131	MAIN ROOF AND TOWER ROOF FRAMING PLANS
S201	SCHEDULES & DETAILS
S301	FOUNDATION & SLAB ON GRADE (SOG) DETAILS
S302	FOUNDATION / GROUND FLOOR SECTIONS & DETAILS
S303	GROUND FLOOR SECTIONS / CONC WALL ELEVATION
S304	TYPICAL MASONRY (CMU) DETAILS
S305	STEEL FRAMING SECTIONS & DETAILS
S306	COMPOSITE & SECOND FLOOR SECTIONS & DETAILS
S307	ROOF SECTIONS & DETAILS
S308	SECTIONS AND DETAILS

MECHANICAL

SHEET NUMBER	SHEET TITLE
M001	GENERAL NOTES, ABBREVIATIONS AND SYMBOL LEGEND - HVAC
M100	FLOOR PLAN - APARATUS BAY - HVAC
M101	FLOOR PLAN - FIRST FLOOR - HVAC
M102	FLOOR PLAN - SECOND FLOOR - HVAC
M401	CONTROLS - HVAC
M501	DETAILS - HVAC
M502	DETAILS - HVAC
M601	SCHEDULES - HVAC

PLUMBING

SHEET NUMBER	SHEET TITLE
P001	GENERAL NOTES, ABBREVIATIONS AND SYMBOL LEGEND - PLUMBING
P100	FOUNDATION FLOOR PLAN - GRAVITY - PLUMBING
P101-A	FLOOR PLAN - FIRST FLOOR - GRAVITY- PLUMBING
P101-B	FLOOR PLAN - FIRST FLOOR - GRAVITY - PLUMBING
P102	FLOOR PLAN - SECOND FLOOR - PLUMBING
P201	SANITARY RISER DIAGRAM - PLUMBING
P202	SANITARY RISER DIAGRAM - PLUMBING
P203	DOMESTIC WATER RISER DIAGRAM - PLUMBING
P204	DOMESTIC WATER RISER DIAGRAM - PLUMBING
P205	COMPRESSED AIR RISER DIAGRAM - PLUMBING
P206	GAS RISER DIAGRAM - PLUMBING
P501	DETAILS - PLUMBING
P502	DETAILS - PLUMBING
P601	SCHEDULES - PLUMBING

FIRE PROTECTION

SHEET NUMBER	SHEET TITLE
F001	GENERAL NOTES & DESIGN CRITERIA - FIRE PROTECTION
F101	FLOOR PLAN - FIRST FLOOR - FIRE PROTECTION
F102	FLOOR PLAN - SECOND FLOOR - FIRE PROTECTION
F501	DETAILS - FIRE PROTECTION
F502	DETAILS - FIRE PROTECTION
F503	DETAILS - FIRE PROTECTION
F601	SCHEDULE - FIRE PROTECTION

ELECTRICAL

SHEET NUMBER	SHEET TITLE
E001	GENERAL NOTES & DESIGN CRITERIA - ELECTRICAL
E002	GENERAL NOTES & DESIGN CRITERIA - FIRE ALARM
E003	LIGHTING FIXTURE SCHEDULE - ELECTRICAL
E010	SITE PLAN - ELECTRICAL
E011	SITE PLAN - PHOTOMETRICS
E012	FIXTURES - PHOTOMETRICS
E100	FLOOR PLAN - APARATUS BAY - LIGHTING
E101	FLOOR PLAN - FIRST FLOOR - LIGHTING
E102	FLOOR PLAN - SECOND FLOOR - LIGHTING
E200	FLOOR PLAN - APARATUS BAY - POWER
E201	FLOOR PLAN - FIRST FLOOR - POWER
E202	FLOOR PLAN - SECOND FLOOR - POWER
E501	DETAILS - ELECTRICAL
E502	DETAILS - FIRE ALARM
E601	RISER- ELECTRICAL
E701	PANEL SCHEDULES - ELECTRICAL

TECHNOLOGY

SHEET NUMBER	SHEET TITLE
T000	TECHNOLOGY DUMMY
T001	GENERAL NOTES & DESIGN CRITERIA - TECHNOLOGY
T100	FLOOR PLAN - APARATUS BAY - TECHNOLOGY
T101	FLOOR PLAN - FIRST FLOOR - TECHNOLOGY
T102	FLOOR PLAN - SECOND FLOOR - TECHNOLOGY

SANIBEL FIRE AND RESCUE STATION 172

5171 SANIBEL-CAPTIVA ROAD
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100% CONSTRUCTION DOCUMENTS

COMM. NO.: **2023820**

01.05.2024

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SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:

5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

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STATE OF FLORIDA
GARY F. KRUEGER
AR 10018
REGISTERED ARCHITECT

Digitally signed by Gary F. Krueger
Date: 2024.01.22 15:03:11 -05'00'

REVISIONS		
MARK	DESCRIPTION	DATE

COMM. NO.: 2023820
ISSUE DATE: 01.05.2024
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ABBREVIATIONS

A	
&	AND
@	AT
A/E	ARCHITECT / ENGINEER
AB	ANCHOR BOLT
AC	AIR CONDITIONING
ACC	ACCESSIBLE
ACOUST	ACOUSTICAL
ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTIC CEILING TILE
AD	AREA DRAIN
AD	ACCESS DOOR
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASPH	ASPHALT
ATTN	ATTENTION
AUTO	AUTOMATIC
AV	AUDIOVISUAL
AWP	ACOUSTICAL WALL PANELS
B	
BD	BOARD
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BOB	BOTTOM OF BEAM
BOC	BOTTOM OF CURB
BOT	BOTTOM
BRG	BEARING
BRK	BRICK
BRKT	BRACKET
BSMNT	BASEMENT
BUR	BUILT UP ROOFING
C	
C	CHANNEL
C/C	CENTER TO CENTER
CAB	CABINET
CAT	CATEGORY
CB	CATCH BASIN
CBU	CEMENTITIOUS BACKER UNIT
CCTV	CLOSED CIRCUIT TELEVISION
CEM	CEMENT
CER	CERAMIC
CFMF	COLD FORMED METAL FRAMING
CG	CORNER GUARD
CH	CHILLER
CI	CAST IRON
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMB	CEMENT BOARD
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
COND	CONDITION
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET TILE
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSUNK
CTW	CERAMIC WALL TILE
CUST	CUSTODIAL
CW	COLD WATER
D	
D	DEEP, DEPTH
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLISH OR DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION
DIMS	DIMENSIONS
DISP	DISPENSER
DIV	DIVISION
DMPF	DAMP PROOFING
DN	DOWN
DO	DOOR OPENING
DR	DOOR
DRN	DRAIN
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER
E	
E	EAST
EA	EACH

ABBREVIATIONS

EB	EXPANSION BOLT
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENG	ENGINEER
EP	ELECTRICAL PANEL
EPDM	ETHYLENE PROPYLENE DIENE M-CLASS
EPR	EPOXY RESIN
EPX	EPOXY FLOORING AND BASE
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F	
FA	FIRE ALARM
FB	FACE BRICK
FD	FLOOR DRAIN OR FIRE DEPARTMENT
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF&E	FURNITURE, FIXTURES AND EQUIPMENT
FFB	FLUSH FLOOR BOX
FFEL	FINISH FLOOR ELEVATION
FH	FULL HEIGHT OR FLAT HEAD
FHC	FIRE HOSE CABINET
FIN	FINISH
FIXT	FIXTURE
FLASH	FLASHING
FLR	FLOOR
FLUOR	FLUORESCENT
FND	FOUNDATION
FO	FACE OF OR FINISHED OPENING
FP	FIRE PROTECTION
FPG	FIREPROOFING
FR	FIRE RESISTANT
FRC	FIBER REINFORCED CONCRETE
FRP	FIBER REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FS	FLOOR SINK
FT	FEET/FOOT
FTG	FOOTING
FURN	FURNITURE
FURR	FURRING
FWC	FABRIC WALL COVERING
FWP	FABRIC WRAPPED PANEL
G	
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACT(OR)
GEN	GENERAL
GFRC	GLASS FIBER REINFORCED CONCRETE
GL	GLASS
GLAZ	GLAZING
GR	GRADE
GRAN	GRANULAR
GRAPHIC	CUSTOM GRAPHIC BY OTHERS
GRD	GROUND
GRFG	GLASS FIBER REINFORCED GYPSUM
GSM	GALVANIZED SHEET METAL
GV	GAS VALVE
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	
H	HIG
HB	HOSE BIB
HC	HANDICAPPED OR HOLLOW CORE
HDWD	HARDWOOD
HDWR	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HNDRL	HANDRAIL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HRC	HOSE REEL CABINET
HT	HEIGHT
HTG	HEATING
HVAC	HEATING VENTILATION & AIR CONDITIONING
HW	HOT WATER
I	
ID	INSIDE DIAMETER
IN	INCH/INCHES
INCAND	INCANDESCENT
INCL	INCLUDED/INCLUDING
INFO	INFORMATION
INSUL	INSULATED OR INSULATION
INT	INTERIOR
INTERM	INTERMEDIATE
INV	INVERT
J	
JAN	JANITOR
JC	JANITOR'S CLOSET
JST	JOIST
JT	JOINT
K	
KIT	KITCHEN
KO	KNOCK OUT
L	
LAM	LAMINATE
LAV	LAVATORY

ABBREVIATIONS

LB	POUND
LF	LINEAR FEET
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LT	DECORATIVE LIGHT FIXTURE
LTG	LIGHTING
LTWT	LIGHTWEIGHT
LVL	LEVEL
LVR	LOUVER
LVT	LUXURY VINYL TILE
M	
MAINT	MAINTENANCE
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MDL	WOOD MOLDING
MECH	MECHANICAL
MED	MEDIUM
MEMBR	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MULL	MULLION
N	
N	NORTH
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NR	NON RATED
NTS	NOT TO SCALE
O	
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OA	OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OD	OVERFLOW DRAIN
OEP	WATER BASED EPOXY PAINT
OF	OWNER FURNISHED
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OHC	OVERHEAD COILING DOOR
OHS	OVERHEAD SECTIONAL DOOR
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
ORIG	ORIGINAL
P	
P	PAINT
PAV	PAVING
PBD	PARTICLE BOARD
PC	PRECAST
PDF	POWER DRIVEN FASTENER
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PL	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT OR PAINTED
POL	POLISHED
PR	PAIR
PREFAB	PREFABRICATED
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PT	PRESSURE TREATED
PTB	PORCELAIN WALL BASE
PTD	PAINTED
PTE	EPOXY PAINT
PTF	PORCELAIN FLOOR TILE
PTL	PAINT
PTN	PARTITION
PTW	PORCELAIN WALL TILE
PVC	POLYVINYL CHLORIDE
Q	
QT	QUARRY TILE
QTY	QUANTITY
QTZ	QUARTZ SURFACE MATERIAL
R	
RA	RETURN AIR
RAD	RADIUS
RB	RESILIENT BASE
RB	RUBBER BASE
RBR	RUBBER
RBT	RUBBER FLOOR TILE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REC	RECESSED
RECPT	RECEPTACLE
REF	REFERENCE
REFR	REFRIGERATOR
REG	REGISTER

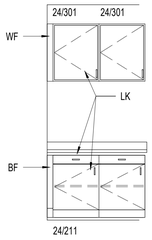
ABBREVIATIONS

REINF	REINFORCED OR REINFORCING
REL	RELOCATE
REM	REMOVABLE
REQ	REQUIRE/REQUIRED
RESIL	RESILIENT
REV	REVISION/REVISED
RM	ROOM
RO	ROUGH OPENING
RTD	RATED
RTG	RATING
RWL	RAIN WATER LEADER
S	
S	SOUTH
SA	SUPPLY AIR
SAF	SELF ADHERED FLASHING
SC	SOLID CORE
SCHED	SCHEDULE
SCS	SEALED CONCRETE
SD	STORM DRAIN
SDC	STATIC DISSIPATIVE CARPET TILE
SDT	STATIC DISSIPATIVE CARP VCT TILE
SECT	SECTION
SF	SQUARE FEET/FOOT
SH	SPRINKLER HEAD
SHR	SHOWER
SHT	SHEET
SIM	SIMILAR
SJ	SAW JOINT
SM	SURFACE MOUNTED
SP	STANDPIPE
SPEC	SPECIFIED OR SPECIFICATION
SPK	SPRINKLE
SPKR	SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
SSK	SERVICE SINK
SSM	SOLID SURFACE MATERIAL
STA	STATION
STC	SOUND TRANSMISSION COEFFICIENT
STL	STEEL
STOR	STORAGE
STRG	STRINGER
STRUCT	STRUCTURE OR STRUCTURAL
SUBCAT	SUBCATEGORY
SUSP	SUSPENDED
SYM	SYMMETRICAL
SYS	SYSTEM
T	
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TB	TOWEL BAR
TDC	TRAFFIC DECK COATING
TEL	TELEPHONE/TELECOM
TELE	TELEPHONE
TEMP	TEMPORARY
THK	THICKNESS
THRU	THROUGH
TKBD	TACK BOARD
TLT	TOILET
TMPD	TEMPERED
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE OR TOP OF CURB
TOS	TOP OF STEEL
TOW	TOP OF WALL
TP	TOILET PARTITION
TS	TUBE STEEL
TV	TELEVISION
TYP	TYPICAL
TZ	TERRAZO TILE
U	
UL	UNDERWRITERS LABORATORY
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
URNL	URINAL
V	
VAC	VENTILATION AND AIR CONDITIONING
VAR	VARIES
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VCT	VINYL COMPOSITE TILE
VER	VERIFY
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VP	VISION PANEL
VR	VAPOR RETARDER
VT	VINYL TILE
VWC	VINYL WALL COVERING
W	
W	WIDE OR WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WIN	WINDOW
WM	WIRE MESH
WOM	WALK OFF MATS
WP	WATERPROOF OR WATERPROOFING
WPM	WATERPROOF MEMBRANE
WS	WEATHER-STRIPPING
WSCT	WAINSCOT
WSP	WAINSCOT PROTECTION PANEL
WT	WEIGHT
WV	WATER VALVE
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

1. EACH CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS AND OBTAIN ALL MEASUREMENTS REQUIRED FOR PROPER EXECUTION OF WORK. WHEN VERIFICATION OF EXISTING DIMENSIONS IS REQUIRED, THE CONTRACTOR REQUIRING SAID VERIFICATION FOR THE CONSTRUCTION OR FABRICATION OF HIS MATERIAL SHALL BE THE CONTRACTOR RESPONSIBLE FOR THE PROCUREMENT OF THE FIELD INFORMATION.
2. PROVIDE ALL WOOD BLOCKING NECESSARY FOR THE ATTACHMENT OF MISCELLANEOUS EQUIPMENT INCLUDING BUT NOT LIMITED TO TOILET ACCESSORIES, DOOR HARDWARE, ELECTRICAL DEVICES, LABORATORY EQUIPMENT, GRAB BARS, HANDRAILS, CASEWORK AND MILLWORK.
3. THE TRANSITION OF DIFFERENT FLOORING MATERIALS AT A DOORWAY SHALL OCCUR AT THE CENTERLINE OF DOOR UNLESS INDICATED OTHERWISE.
4. ALL WALL SURFACES, DOOR FRAMES, BULKHEADS AND CEILINGS SHALL RECEIVE PAINT WHEN PAINT IS INDICATED ON THE FINISH SCHEDULE OR FINISH PLANS. PAINT SURFACES BEHIND MOVABLE EQUIPMENT AND FURNITURE SAME AS SIMILAR EXPOSED SURFACES. PAINT SURFACES BEHIND PERMANENTLY FIXED EQUIPMENT OR FURNITURE WITH PRIME COAT ONLY BEFORE FINAL INSTALLATION OF EQUIPMENT. PAINT ALL MECHANICAL AND ELECTRICAL EQUIPMENT EXPOSED IN FINISHED SPACES UNLESS INDICATED OTHERWISE.
5. REPAIR ALL SURFACES DAMAGED BY RENOVATION AND NEW CONSTRUCTION TO MATCH EXISTING ADJACENT OR CONTIGUOUS FINISH.
6. ALL CUTTING AND PATCHING AS A RESULT OF NEW CONSTRUCTION OR DEMOLITION SHALL BE PERFORMED IN A WORKMANLIKE MANNER, AND SHALL MATCH IN COLOR, SHAPE, SIZE AND TEXTURE ADJACENT AND/OR CONTIGUOUS FINISHED SURFACES.
7. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED MEASUREMENTS. DO NOT SCALE DRAWINGS.
8. DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS.
9. UNLESS OTHERWISE NOTED, PLAN DIMENSIONS ARE TAKEN FROM FACE OF CMU OR CONCRETE TO FACE OF WALL; OR FACE OF WALL TO FACE OF WALL.
10. DOORS NOT OTHERWISE DIMENSIONED SHALL BE 8" FROM FACE OF ADJACENT CMU OR CONCRETE WALL TO ROUGH DOOR OPENING, AND 4" FROM FACE OF ADJACENT STUD WALL TO ROUGH DOOR OPENING.
11. FOR CONSTRUCTION DETAILS NOT SHOWN, USE THE PRODUCT MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND STANDARD DETAILS, IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATION REQUIREMENTS AND DESIGN INTENT.
12. PROVIDE FIRE EXTINGUISHERS (FE) AND FIRE EXTINGUISHER CABINETS (FEC) AS INDICATED ON THE PLANS. PROVIDE TYPE AND SIZE AS SPECIFIED. MOUNT AT 42" AFF TO TOP OF FE AND 48" AFF TO TOP OF FEC

GENERAL NOTES - ARCHITECTURE

CASEWORK ELEVATION LEGEND



CASEWORK PLAN LEGEND

CASEWORK TAG LEGEND

INDICATES WIDTH OF CABINET IN INCHES — 24 / 211 — INDICATES CABINET DESIGN SERIES STANDARD DESIGNATIONS BY ARCHITECTURAL WOODWORK INSTITUTE. SEE SPECIFICATIONS.

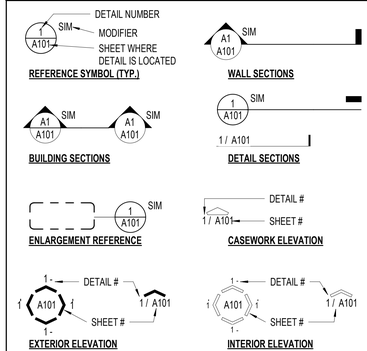
NOTE:
STANDARD CASEWORK MAY BE INDICATED IN PLAN OR ELEVATION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION ON CONSTRUCTION & MATERIALS. REFER TO PLANS AND DETAILS FOR NON-STANDARD CASEWORK & MILLWORK CONSTRUCTION AND DETAILING.

AF ACCESSORY FILLER PANEL
BF BASE CABINET FILLER PANEL
FF FULL HEIGHT CABINET FILLER PANEL
WF WALL CABINET FILLER PANEL
LK DRAWER / DOOR LOCK
FP FINISHED PANEL

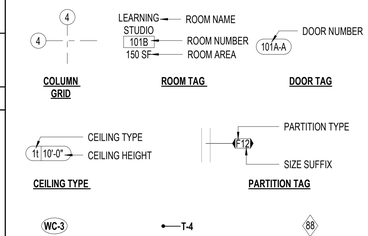
ALL BASE CABINETS 24" DEEP U.N.O.
ALL WALL CABINETS 12" DEEP U.N.O.
ALL FULL HEIGHT CABINETS 24" DEEP U.N.O.

CASEWORK LEGEND

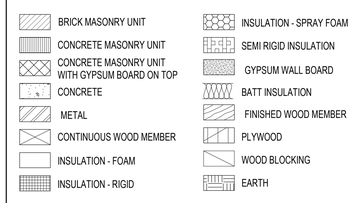
REFERENCE SYMBOLS



IDENTITY SYMBOLS

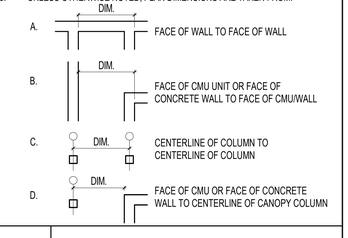


MATERIAL LEGEND



DIMENSIONING

1. DOORS NOT OTHERWISE DIMENSIONED SHALL BE:
   A. 8" FROM FACE OF ADJACENT MASONRY WALL TO ROUGH DOOR OPENING.
   B. 4" FROM FACE OF ADJACENT STUD WALL TO ROUGH DOOR OPENING.
2. SEE LARGE SCALE DETAILS FOR LOCATIONS AND ALIGNMENTS OF PARTITIONS NOT DIMENSIONED ON FLOOR PLANS.
3. UNLESS OTHERWISE NOTED, PLAN DIMENSIONS ARE TAKEN FROM:



DRAWING CONVENTIONS

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

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REVISIONS		
MARK	DESCRIPTION	DATE

COMM. NO.: 2023820
ISSUE DATE: 01.05.2024
DRAWN BY: BL

GENERAL INFORMATION AND ABBREVIATIONS

G001

100% CONSTRUCTION DOCUMENTS

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PROJECT SUMMARY

THIS PROJECT CONSISTS OF A NEW TWO-STORY FIRE STATION FACILITY. THIS BUILDING WILL BE CONSTRUCTED AFTER THE DEMOLITION OF AN EXISTING ONE-STORY FIRE STATION ON THE SITE, AND WILL ADHERE TO THE CURRENT COASTAL DESIGN STANDARDS. THIS WILL BE A RISK CATEGORY IV, LEVEL 'E' ESSENTIAL FACILITY. IN ADDITION TO THE MAIN FIRE STATION AN EXISTING GARAGE USED FOR STORAGE TO BE REFINISHED AND REMAIN.

EHPA / STORM SHELTER

THIS PROJECT **WILL NOT** BE CONSTRUCTED AS AN EHPA OR STORM SHELTER

APPLICABLE CODES & STANDARDS

BUILDING:	FLORIDA BUILDING CODE 8TH EDITION (2023)
FIRE / LIFE SAFETY:	FLORIDA FIRE PREVENTION CODE 8TH EDITION (2023) NFPA 1, FLORIDA FIRE PREVENTION CODE - 2024, FLORIDA EDITION NFPA 101, LIFE SAFETY CODE – 2024, FLORIDA EDITION
PLUMBING:	FLORIDA BUILDING CODE 8th EDITION (2023) - PLUMBING FLORIDA BUILDING CODE 8th EDITION (2023) - FUEL GAS
MECHANICAL:	FLORIDA BUILDING CODE 8th EDITION (2023) - MECHANICAL
ELECTRICAL:	REFER TO ELECTRICAL SHEET E001
ENERGY:	FLORIDA BUILDING CODE 8th EDITION (2023) - ENERGY CONSERVATION
ACCESSIBILITY:	FLORIDA BUILDING CODE 8th EDITION (2023) - ACCESSIBILITY
TESTING FOR HVHZ:	FLORIDA BUILDING CODE 8th EDITION (2023) - TEST PROTOCOLS
OTHER:	CITY OF SANIBEL LAND DEVELOPMENT CODE

AUTHORITIES HAVING JURISDICTION

BUILDING:	CITY OF SANIBEL FLORIDA BUILDING DEPARTMENT
FIRE / LIFE SAFETY:	SANIBEL FIRE AND RESCUE DEPARTMENT

OCCUPANCY CLASSIFICATION

(FBC CHAPTER 3 - Use & Occupancy Classification)
(FBC CHAPTER 5 - General Building Heights & Areas)
(NFPA 101 CHAPTER 6 - Classification Occupancy)

MIXED USE OCCUPANCY PER FBC SECTION 508 & NFPA 101 - 6.1.14.3
BUSINESS 'B' OCCUPANCY
RESIDENTIAL 'R-2' OCCUPANCY
STORAGE 'S-2' OCCUPANCY - FIRE APPARATUS BAY AND STORAGE AREAS

CONSTRUCTION TYPE

(FBC CHAPTER 6 - Types of Construction)

BUILDING:	TYPE V-B CONSTRUCTION, SPRINKLERED (FBC TABLE 601)

WIND ZONE

(FBC SECTION 1609 - Wind Loads)

WIND ZONE 4:	Vult WIND SPEED: 180 MPH > X < 190 MPH, EXPOSURE 'D', RISK CATEGORY IV BUILDING ENVELOPE ELEMENTS TO BE MISSILE LEVEL 'E' APPARATUS BAY DOORS TO BE MISSILE LEVEL 'D' PER SECTION 1609.1.2.3.

FIRE RESISTANCE OF BLDG. ELEMENTS BY CONSTRUCTION TYPE

PRIMARY STRUCT. FRAME:	0 HOURS
BEARING WALLS - EXT:	0 HOURS
BEARING WALLS - INT:	0 HOURS
NONBEARING WALLS - EXT:	SEE TABLE 602
NONBEARING WALLS - INT:	0 HOURS
FLOOR CONSTRUCTION:	0 HOURS
ROOF CONSTRUCTION:	0 HOURS
CORRIDORS:	SMOKE PARTITION (NFPA 101 - 8.4)
EXIT STAIRS:	1 HOUR (FBC 1023.2 / NFPA 101 - 7.1.3.2.1(1)) WHERE CONNECTING LESS THAN FOUR STORIES
FLOOR OPENINGS / SHAFTS:	1 HOUR (FBC 707.5, 707.6, & 713.4 / NFPA 101 - 8.6.5(2) WHERE CONNECTING LESS THAN FOUR STORIES

NOTE: REFER TO SHEETS G020-G022 FOR UL ASSEMBLIES TO PROVIDE REQUIRED FIRE RESISTANCE OF BLDG. ELEMENTS

BUILDING HEIGHT BY CONSTRUCTION TYPE

(FBC CHAPTER 5 - General Building Heights and Areas)

ALLOWABLE HEIGHT:	3 STORIES / 60 FT. (Mixed Occupancies per 504.2 applied)
ACTUAL BUILDING HEIGHT:	3 STORIES / 45' - 0"

NOTE: NEW GROUP 'R' OCCUPANCIES ARE REQUIRED TO BE PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM PER FBC SECTION 903.2.8.

BUILDING AREA BY CONSTRUCTION TYPE

(FBC CHAPTER 5 - General Building Heights and Areas)

ALLOWABLE BUILDING AREA:	27,000 SF (GROUP 'B' OCCUPANCY WITH SPRINKLER SYSTEM)
ACTUAL BUILDING AREA:	**12,012 GSF**
APPARATUS BAY (UNCONDITIONED):	**3,860 GSF**
FIRST FLOOR:	**1,497 GSF**
SECOND FLOOR:	**3,525 GSF**
UNCONDITIONED AREAS:	**3,130 GSF**

OPENING PROTECTIVES IN FIRE RESISTANT CONSTRUCTION

(FBC TABLE 716.5)

CONSTRUCTION TYPE	FIRE RESISTANCE RATING
1 - HOUR FIRE BARRIER:	3/4 HOUR
2 - HOUR FIRE BARRIER	1 1/2 HOUR
1- HOUR EXIT ENCLOSURE	1 HOUR
SMOKE PARTITION	N/A

SEPARATION FROM HAZARDS

(NFPA 101 - 8.7.1.2)

ROOM OR AREA	FIRE RESISTANCE RATING	STANDARD
MECHANICAL ROOMS	SMOKE PARTITION W/ SPRINKLER	NFPA 101
ELECTRICAL ROOMS	SMOKE PARTITION W/ SPRINKLER	NFPA 101
JANITOR CLOSETS	SMOKE PARTITION W/ SPRINKLER	NFPA 101
STORAGE ROOMS	SMOKE PARTITION W/ SPRINKLER	NFPA 101

INTERIOR FINISHES

(per NFPA 101 CHAPTER 10 - more stringent than FBC)

CONSTRUCTION TYPE	FIRE RESISTANCE RATING
EXITS	CLASS A
EXIT ACCESS CORRIDORS	CLASS B
OTHER THAN EXITS	CLASS C
LOW HEIGHT PARTITIONS	CLASS C (SEE NOTE 1)
INTERIOR FLOOR FINISHES	CLASS II

NOTES:
1. PARTITIONS NOT EXCEEDING 60 INCHES AND IN LOCATIONS OTHER THAN EXITS

OCCUPANT LOADS

(FBC SECTION 1004 / NFPA 101 - 7.3)

THE CALCULATED OCCUPANT LOAD RESULTS IN A TOTAL BUILDING POPULATION FOR EGRESS OF **54 PERSONS** AS INDICATED BELOW. REFER TO EGRESS CAPACITY TABLES BELOW FOR EGRESS BY FLOOR OR AREA. REFER TO THE LIFE SAFETY DRAWINGS FOR THE OCCUPANCY SCHEDULES.

LEVEL	OCCUPANT LOAD	PROVIDED EGRESS
APPARATUS LEVEL	19 PERSONS	170 PERSONS
FIRST FLOOR	10 PERSONS	340 PERSONS
SECOND FLOOR	25 PERSONS	340 PERSONS
TOTAL CAPACITY FOR EGRESS	54 PERSONS	850 PERSONS

NOTE: OCCUPANCY LOADS CALCULATED BY MORE STRINGENT CONCENTRATION OR OCCUPANCY PER FBC SECTION 508.3.

EGRESS CAPACITY

REFER TO THE LIFE SAFETY DRAWINGS FOR THE LOCATION AND CAPACITY OF ALL EGRESS COMPONENTS

EXITS

LEVEL	EXIT WIDTH - REQUIRED	EXIT WIDTH - PROVIDED
APPARATUS LEVEL	19 PERSONS X 0.2" = **3.8 INCHES**	**170 INCHES**
FIRST FLOOR	10 PERSONS X 0.2" = **2 INCHES**	**340 INCHES**
SECOND FLOOR	25 PERSONS X 0.2" = **5 INCHES**	**340 INCHES**

STAIRS

LEVEL	STAIR WIDTH - REQUIRED	STAIR WIDTH - PROVIDED
APPARATUS LEVEL	N / A	N /A
FIRST FLOOR	10 PERSONS X 0.3" = **3 INCHES**	**50 INCHES**
SECOND FLOOR	25 PERSONS X 0.3" = **7.5 INCHES**	**91 INCHES**

EGRESS COMPONENTS

MIN. NUMBER OF EXITS:	3 (PER FBC TABLE 1006.2.1 AND 1006.3.2)
MAX. TRAVEL DISTANCE:	100 FT. (PER FBC TABLE 1017.2 & NFPA 101 - 28.2.6.3.1)
MAX. COMMON PATH OF TRAVEL:	75 FT. - SPRINKLERED (PER FBC TABLE 1006.2.1 & NFPA 101 - 28.2.5.2.1)
MAX. DEAD END CORRIDOR:	50 FT. - SPRINKLERED (PER FBC SECTION 1020.5 & NFPA 101 - 28.2.5.3.1)
MIN. CORRIDOR WIDTH:	NOT LESS THAN 44" (PER NFPA 101 - 28.2.3.3 - MORE STRINGENT)
MIN. STAIR WIDTH:	0.3" PER PERSON (PER FBC 1005.3.1 & NFPA 101 - 7.3.3.1 OR 7.3.3.2) BUT NO LESS THAN 44" (PER FBC SECTION 1011.2)
MIN. DOOR WIDTH:	0.2" PER PERSON (PER FBC 1005.3.2 & NFPA 101 - 7.3.3.1 OR 7.3.3.2) BUT NO LESS THAN 32" (PER FBC SECTION 1010.1.1 AND NFPA 101 - 7.2.1.2.3.2)

LIFT LOBBY

(NFPA 101 - 7.2.13.3)

EVERY FLOOR SERVED BY THE LIFT SHALL HAVE AN LIFT LOBBY. BARRIERS FORMING THE LIFT LOBBY SHALL HAVE A MINIMUM 1-HOUR FIRE RESISTANCE RATING AND SHALL BE ARRANGED AS A SMOKE BARRIER IN ACCORDANCE WITH SECTION 8.5.

PLUMBING FIXTURE CALCULATIONS

(FBC, PLUMBING SECTION 403)

403.1: PLUMBING FIXTURES SHALL BE PROVIDED IN THE MINIMUM NUMBER SHOWN IN TABLE 403.1, BASED ON THE ACTUAL USE OF THE BUILDING OR SPACE.

OCCUPANCY	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAIN	BATHTUB / SHOWER
	MALE	FEMALE	MALE	FEMALE		
BUSINESS	1/25 ≤ 50 OCC. 1/50 > 50 OCC.		1/40 ≤ 80 OCC. 1/80 > 80 OCC.		1 PER 100	-
RESIDENTIAL (DORMITORY)	1 PER 10		1 PER 10		1 PER 100	1 PER 8

REQUIRED FIXTURES	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAIN	BATHTUB / SHOWER
	MALE	FEMALE	MALE	FEMALE		
BUSINESS = 175 OCC. 88 MALE, 88 FEMALE	3	3	3	3	1	-
RESIDENTIAL = 7 OCC. 4 MALE, 4 FEMALE	1	1	1	1	1	1

PROVIDED FIXTURES	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAIN	BATHTUB / SHOWER
	MALE	FEMALE	MALE	FEMALE		
	4		4		1	3

NOTE:
1. SINGLE-USER UNISEX TOILET FACILITIES AND BATHING ROOMS PROVIDED THROUGHOUT BUILDING.
2. SINGLE-USER TOILET AND BATHING FACILITIES WITHIN DECONTAMINATION ROOM PROVIDED AS PART OF REQUIRED FIXTURE COUNT.

FEMA SITE SUMMARY

BUILDING ADDRESS:	5171 SANIBEL-CAPTIVA ROAD SANIBEL, FLORIDA 33957
F.I.R.M. MAP:	12071C0509G EFFECTIVE NOVEMBER 17, 2022
FLOOD ZONE DESIGNATION:	AE9 (NON-COASTAL)
BASE FLOOD ELEVATION (BFE):	9' - 0"

(ASCE 24-14)

FLOOD DESIGN

FLOOD DESIGN CLASS: ASCE 24-14, TABLE 1-1	CLASS 4 (ESSENTIAL FACILITIES)	
	REQUIRED	**ELEVATION PROVIDED**
MINIMUM ELEVATION OF LOWEST FLOOR: ASCE 24-14, TABLE 2-1	BFE + 2 FT. -OR- DFE -OR- 500-YEAR FLOOD ELEVATION	13' - 0" (500-YEAR FLOOD ELEVATION)
MINIMUM ELEVATION OF FLOOD DAMAGE-RESISTANT MATERIALS: ASCE 24-14, TABLE 5-1	BFE + 2 FT. -OR- DFE -OR- 500-YEAR FLOOD ELEVATION	13' - 0" (500-YEAR FLOOD ELEVATION)
MINIMUM ELEVATION OF UTILITIES AND EQUIPMENT: ASCE 24-14, TABLE 7-1	BFE + 2 FT. -OR- DFE -OR- 500-YEAR FLOOD ELEVATION	13' - 0" (500-YEAR FLOOD ELEVATION)
MINIMUM ELEVATION OF WET FLOODPROOFING: ASCE 24-14, TABLE 6-1	BFE + 2 FT. -OR- DFE -OR- 500-YEAR FLOOD ELEVATION	N/A

(ASCE 24-14)

FLOOD DESIGN CALCULATIONS

BASE FLOOD ELEVATION (BFE):	9' - 0"
DESIGN FLOOD ELEVATION (DFE):	BFE + 2' - 0" = 11' - 0"
500-YEAR FLOOD ELEVATION	13' - 0" (TAKEN AS WAVE CREST ELEVATION)
F.I.R.M. PANEL CROSS SECTION: F.I.S. TRANSECT CHART: DISTANCE FROM SHORELINE:	SECTION 43 CHART: 067T 3000' - 0" (APPROX.)
0.2% ANNUAL CHANCE WAVE ENVELOPE ELEVATION (NAVD88):	13' - 0"

(FBC 7TH ED. 2020)

STRUCTURAL DESIGN

RISK CATEGORY: FBC, TABLE 1604.5	IV STRUCTURE (BASED ON USE AS ESSENTIAL FACILITY)
EXPOSURE CATEGORY:	EXPOSURE CATEGORY "D"
ULTIMATE DESIGN WIND SPEED: FBC SECTION 1609.3 FBC FIGURE 1609.3(3)	STRUCTURAL DESIGN WILL ASSUME vULT = 190 M.P.H.
PROTECTION OF OPENINGS: FBC SECTION 1609.1.2	IN WIND-BORNE DEBRIS REGIONS, GLAZED OPENINGS IN BUILDINGS SHALL BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT-RESISTANT COVERING MEETING THE REQUIREMENTS OF ANSI/DASMA 115 OR TAS 201, 202, OR 203. ALL GLAZING DESIGNED TO BE IMPACT-RATED TO LEVEL 'E' FOR SMALL AND LARGE MISSILE TESTS.

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

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www.schenkelshultz.com

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ISSUE DATE: 01.05.2024
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CODE SUMMARY & CALCULATIONS

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CATEGORY	SUBCATEGORY	MANUFACTURER / PRODUCT NAME / NUMBER	DOCUMENTATION TYPE (PER FLORIDA ADMINISTRATIVE CODE 9B-72.070) STATE OF FLORIDA APPROVAL NO.	METHOD (1 OR 2), LETTER CODE	IMPACT RESISTANT	DESIGN PRESSURE	APPROVAL / EXPIRATION DATE
WINDOWS	HORIZONTAL SLIDER	PGT INDUSTRIES, INC.	FL 242.4 R33	METHOD 1, OPTION A	YES	+65.0 -65.0	08.18.2023
		'SERIES 'HR7710A' ALUMINUM ROLLER WINDOW					
PANEL WALLS	STOREFRONT	YKK AP AMERICA	FL 14218.1 R14	METHOD 1, OPTION D	YES	+70.0 -90.0	07.25.2023
		'YHS 50FI' ALUMINUM STOREFRONT					
SKYLIGHTS		NO PRODUCTS IN THIS CATEGORY.					
EXTERIOR DOORS	SWINGING EXTERIOR DOOR ASSEMBLIES	SCHLAGE LOCK COMPANY, LLC / ALLEGION	FL 12400.5 R14	METHOD 1, OPTION D	YES	+55.0 -55.0	12.12.2023
		OUTSWING SINGLE GLAZED STEEL DOOR					
	SWINGING EXTERIOR DOOR ASSEMBLIES	SCHLAGE LOCK COMPANY, LLC / ALLEGION	FL 12400.2 R14	METHOD 1, OPTION D	YES	+70.0 -70.0	12.12.2023
		OUTSWING DOUBLE FLUSH STEEL DOOR					
	SWINGING EXTERIOR DOOR ASSEMBLIES	YKK AP AMERICA	FL 16554.2 R13	METHOD 1, OPTION D	YES	+90.0 -90.0	07.25.2023
		SERIES '35H' OUTSWING ALUMINUM DOOR					
	ROLL-UP EXTERIOR DOOR ASSEMBLIES	OVERHEAD DOOR CORPORATION	FL 16113.1 R6	METHOD 1, OPTION D	YES	+68.9 -68.9	10.28.2023
		SERIES '625' ROLL-UP STEEL DOOR					
	FOUR-FOLD EXTERIOR DOOR ASSEMBLIES	DOOR ENGINEERING AND MANUFACTURING, INC.	FL 32280.3 R3	METHOD 1, OPTION D	YES	+120.0 -120.0	02.09.2021
		'FF701' HURRICANE SERIES FOUR-FOLD DOOR					
	SLIDING EXTERIOR DOOR ASSEMBLIES	PGT INDUSTRIES, INC.	FL 251.4 R39	METHOD 1, OPTION A	YES	+90.0 -130.0	08.18.2023
		'SGD-770' SLIDING GLASS DOOR					
	SECTIONAL EXTERIOR DOOR ASSEMBLIES	OVERHEAD DOOR CORPORATION	FL 16798.8 R8	METHOD 1, OPTION D	YES	+64.0 -72.0	11.07.2023
		WINDSTORM SERIES '7565' SECTIONAL DOOR					
SHUTTERS	FABRIC STORM PANELS	CUSTOM HURRICANE PRODUCTS, INC.	FL 16380.1 R4	METHOD 1, OPTION D	NO	+75.0 -75.0	10.17.2023
		'SUPERMAX' 27-MIL ROLL-DOWN IMPACT SCREEN					
ROOFING	SINGLE-PLY ROOF SYSTEMS	SEAMAN CORPORATION	FL 4930.1 R22	METHOD 1, OPTION C	YES	+N/A -572.5	01.02.2024
		'FIBERTITE' ROOF SYSTEMS					
	METAL ROOF	PETERSEN ALUMINUM CORPORATION	FL 35396.16 R1	METHOD 1, OPTION D	YES	+76.7 -76.7	12.13.2024
		'TITE-LOC PLUS'					
PANEL WALLS	WALL LOUVER	GREENHECK FAN CORPORATION	FL 10088.1 R10	METHOD 1, OPTION D	YES	+150.0 -150.0	10.16.2023
		'EHH-601D' HURRICANE LOUVER					
STRUCTURAL COMPONENTS		NO PRODUCTS IN THIS CATEGORY.					
NEW & INNOVATIVE BUILDING ENVELOPE PRODUCTS (OTHER)		NO PRODUCTS IN THIS CATEGORY.					

GENERAL NOTES:

1. INCLUSION OF "APPROVED PRODUCTS" OR ASSOCIATED INFORMATION AND DOCUMENTATION IN THIS SCHEDULE OR BY REFERENCE IN THE CONSTRUCTION DOCUMENTS DOES NOT IMPLY THAT SCHENKELSHULTZ OR ITS SUBCONSULTANTS HAVE EITHER PRODUCED OR CREATED THE INFORMATION CONTAINED HEREIN. CONSEQUENTLY, SCHENKELSHULTZ AND ITS SUBCONSULTANTS ACCEPT NO RESPONSIBILITY FOR ANY INFORMATION GIVEN RELATIVE TO "APPROVED PRODUCTS."
2. 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.
3. 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 EVAULATION, 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 AND APPROVAL.
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.

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

SCHENKEL SHULTZ
9510 Corkscrew Palms Circle, Unit 1
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REVISIONS		
MARK	DESCRIPTION	DATE

COMM. NO.: 2023820
ISSUE DATE: 01.05.2024
DRAWN BY: BL

FLORIDA PRODUCT APPROVALS

G011
100% CONSTRUCTION DOCUMENTS

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UL DESIGN NO. U415

Design No. U415
BXUV.U415
Fire Resistance Ratings - ANSI/UL 263
Design/System/Construction/Assembly Usage Disclaimer

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

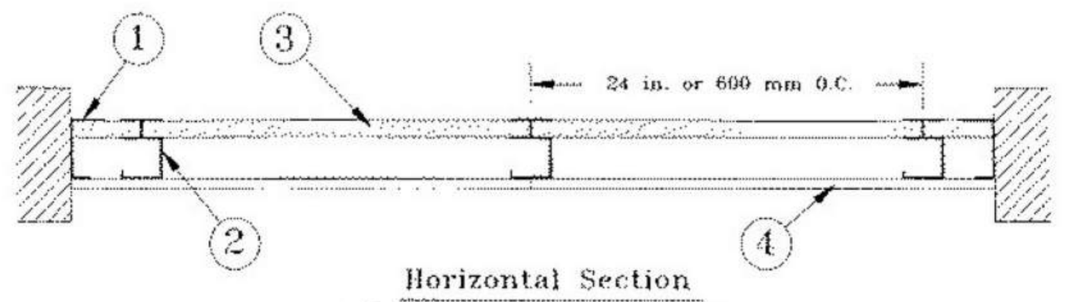
Fire Resistance Ratings - ANSI/UL 263

General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U415
August 01, 2012

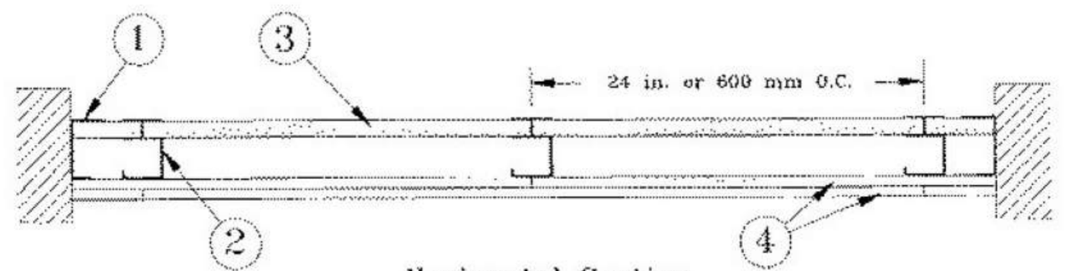
Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr

System A – 1 Hr.



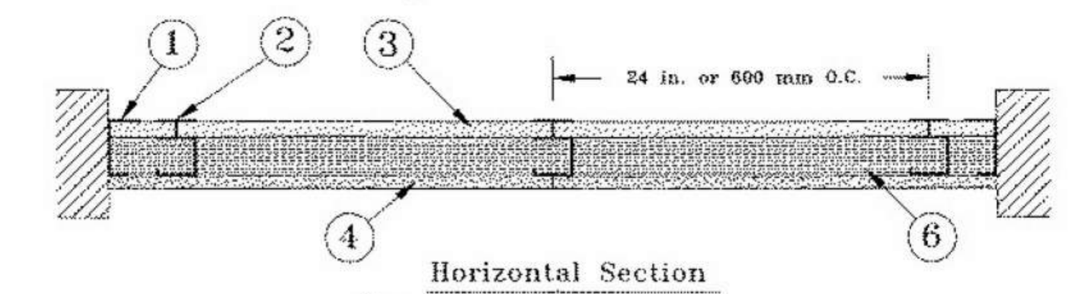
Horizontal Section

System B – 2 Hr.



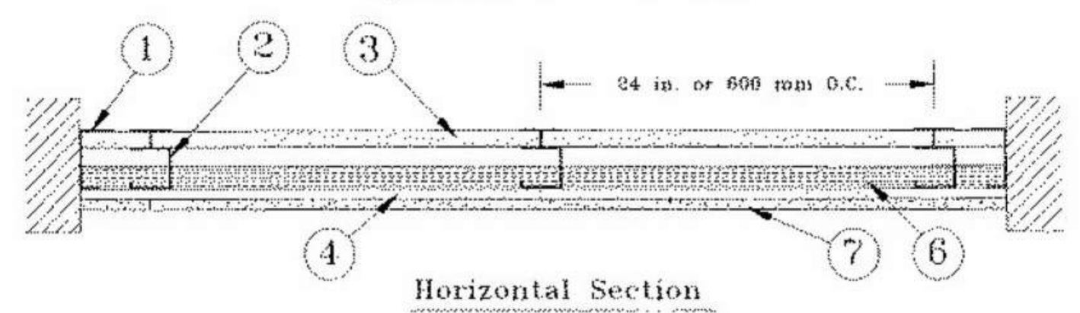
Horizontal Section

System C – 2 Hr.



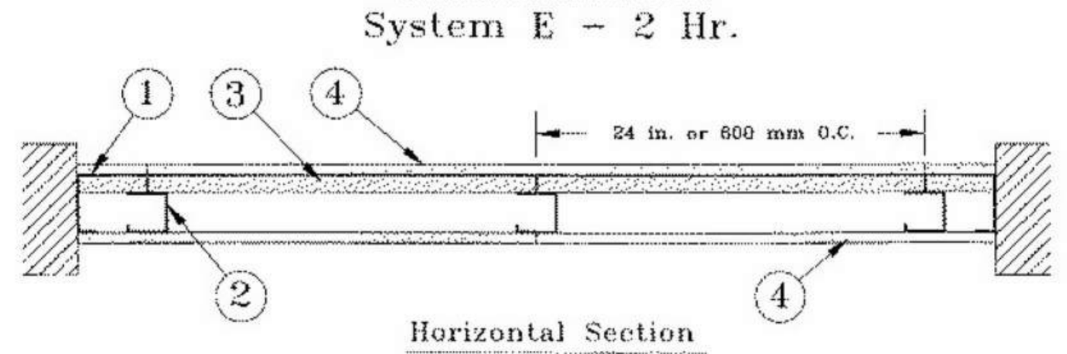
Horizontal Section

System D – 2 Hr.



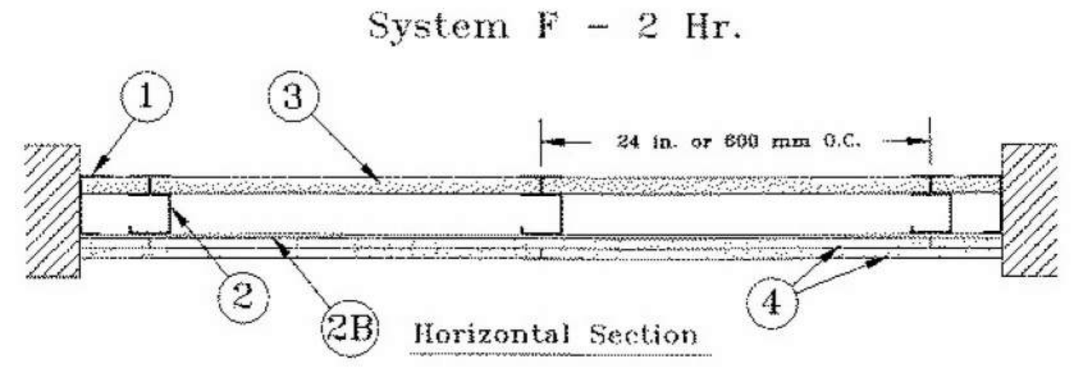
Horizontal Section

System E – 2 Hr.



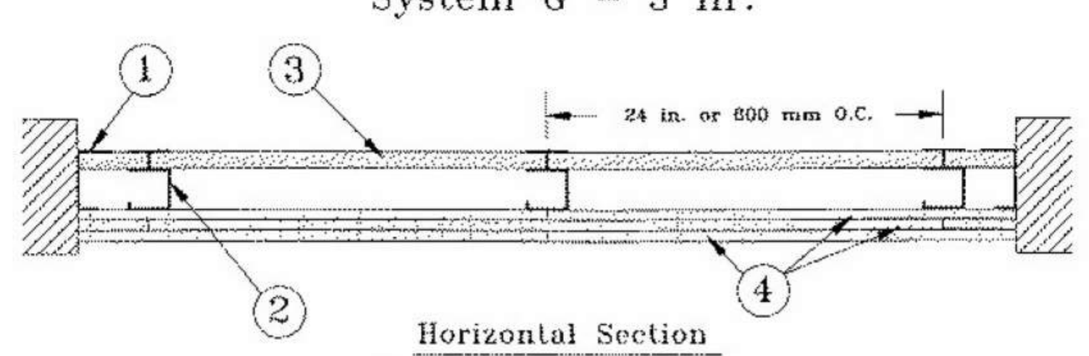
Horizontal Section

System F – 2 Hr.



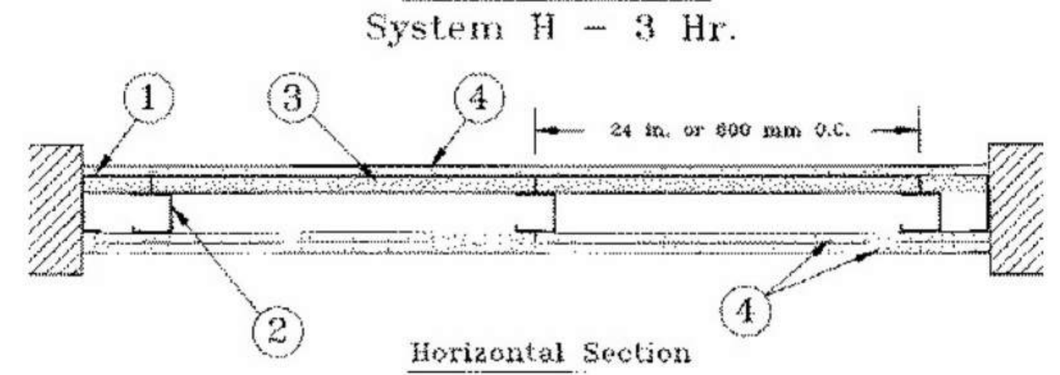
Horizontal Section

System G – 3 Hr.



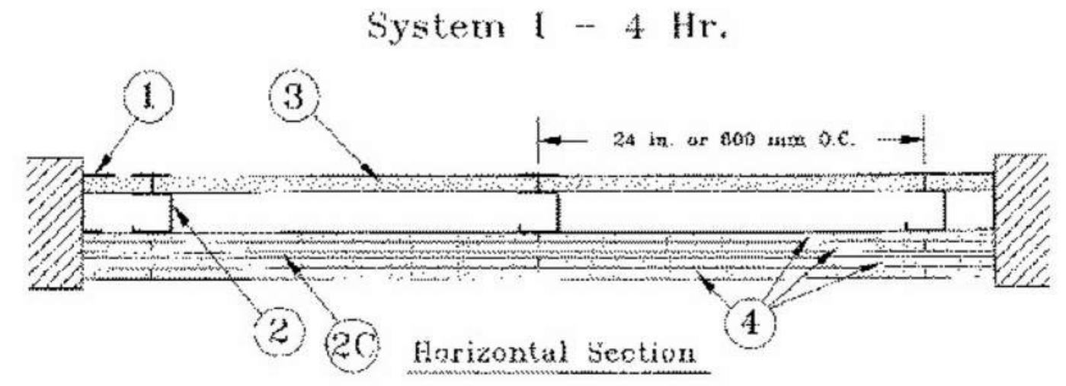
Horizontal Section

System H – 3 Hr.



Horizontal Section

System I – 4 Hr.



Horizontal Section

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

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 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.

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.

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

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

PAC INTERNATIONAL INC — Type RSIC-1.

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

CGC INC — Type SLX

UNITED STATES GYPSUM CO — Type SLX

USG MEXICO S A DE C V — Type SLX

4. **Gypsum Board* —**

System A - 1 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. when installed vertically or 8 in OC when installed horizontally. Horizontal joints need not be backed by steel framing.

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

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

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

System B - 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally in two 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. Outer or face layer attached to studs with 1-5/8 in. long Type S steel screws spaced 12 in. OC when installed vertically and staggered 12 in. from base layer screws or 8 in. OC when installed horizontally and staggered 8 in. from base layer screws. Horizontal joints between inner and outer layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in.

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, WRC, WRX

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, ULX, USGX, WRC, WRX

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, WRC, WRX

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 S 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 horizontally. Horizontal joints need 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.

CGC INC — Types IP-X3, or ULTRACODE

UNITED STATES GYPSUM CO — Types IP-X3, or ULTRACODE

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

System D - 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached directly to studs with 1 in. long Type S steel screws spaced 24 in. when installed vertically or 16 in. OC when installed horizontally. . Horizontal joints need not be backed by steel framing. Requires face layer of 1/2 or 5/8 in. thick cementitious backer units per Item 7 and min 1-1/2 in. thick mineral wool batts per Item 6.

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

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

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

System E - 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. OC when installed vertically or 8 in. when installed horizontally. Horizontal joints need not be backed by steel framing.

CGC INC — 1/2 in. Types C, IP-X2, IPC-AR; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, WRC, WRX

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, ULX, USGX, WRC, WRX.

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, WRC, WRX

System F - 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically in two layers. Inner or base layer attached to resilient furring channels (Item 2B) with 1 in. long Type S steel screws spaced 24 in. Outer or face layer attached to resilient furring channels (Item 2B) with 1-5/8 in. long Type S steel screws spaced 12 in. OC and staggered 12 in. from base layer screws. Joints between inner and outer layers staggered 24 in.

CGC INC — 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, 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, ULX, USGX, WRC, WRX.

USG MEXICO S A DE C V — 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, WRC, WRX

System G - 3 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally in three layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC when installed 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 staggered 24 in. on adjacent layers.

CGC INC — Types C, IP-X2, IPC-AR, WRC

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR, WRC

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

System H - 3 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, two layers over the flange of the "C" section of the studs, one layer over the flange of the "H" section of the studs. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Face layer attached to studs with 1-5/8 in. long Type S steel screws spaced 16 in. when installed vertically or 12 in. OC when installed horizontally. Screws offset 6 in. from layer below. Horizontal joints on adjacent layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in. on adjacent layers.

CGC INC — Types C, IP-X2, IPC-AR, WRC

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR, WRC

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

System I - 4 Hr

Gypsum panels, with beveled, square or tapered edges, nom 3/4 in. thick, 4 ft wide (or 1200 mm for metric spacing) wallboard with square or tapered edges. Total of four layers to be used. First and second (inner) layers applied vertically or horizontally over the steel studs. Horizontal joints need not be backed by steel framing. When applied vertically, joints centered over studs and staggered min 24 in., otherwise all joints staggered min 12 in. First layer secured to studs with 1-1/4 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 24 in. OC. Second layer secured to studs with 2-1/4 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 24 in. OC. Third layer applied vertically over the furring channels (Item 2C) with a 1-1/4 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 12 in. OC. Fourth layer applied vertically or horizontally with 2-1/4 in. long Type S self-drilling, self-tapping bugle-head steel screws spaced 12 in. OC. When applied vertically, joints to be staggered min 24 in. from third layer, otherwise all joints staggered min 12 in.

CGC INC — Types IP-X3, or ULTRACODE

UNITED STATES GYPSUM CO — Types IP-X3, or ULTRACODE

USG 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 ¾ in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1, 2, 2A, 2B and 2D. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 9) or Lead Discs or Tabs (see Item 10).

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

NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nelco

4C. **Gypsum Board* —** (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only) - Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1, 2, 2A, 2B and 2D. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 9A) or Lead Discs (see Item 10A). Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip.

MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4D. **Gypsum Board* —** (As an alternate to Item 4 Systems A, B, C, D, E, G, H, and I when used as the base layer, For direct attachment only). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

5. **Joint Tape and Compound —** (Not Shown)

Systems A, B, C, E, F, G, H, I

Joints on outer layers of gypsum boards (Item 4 and 4A) covered with paper tape and joint compound. Paper tape and joint compound may be omitted when gypsum 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 Marking as to Fire Resistance.

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.

THERMAFIBER INC — Type SAFB

7. **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 gypsum wallboard joints.

UNITED STATES GYPSUM CO — DUROCK Exterior Cement Board or DUROCK Brand Cement Board.

8. **Laminating Adhesive* —** (Optional, Not Shown) — Used to bond outer layer of Cementitious Backer Units (Item 7) to inner layers of Gypsum Board (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 Resistance 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 S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4A) and optional at remaining stud locations. Required behind vertical joints.

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 placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grades "A, B, C or D".. Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 6) and optional at remaining stud locations.

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 99.9% meeting the Federal Specification QQ-L-201f, Grades "A, 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 4B) 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 4B) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

*Bearing the UL Classification Mark

UL DESIGN NO. U905

Design No. U905
BXUV.U905
Fire Resistance Ratings - ANSI/UL 263

Page Bottom

Design/System/Construction/Assembly Usage Disclaimer

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

Fire Resistance Ratings - ANSI/UL 263

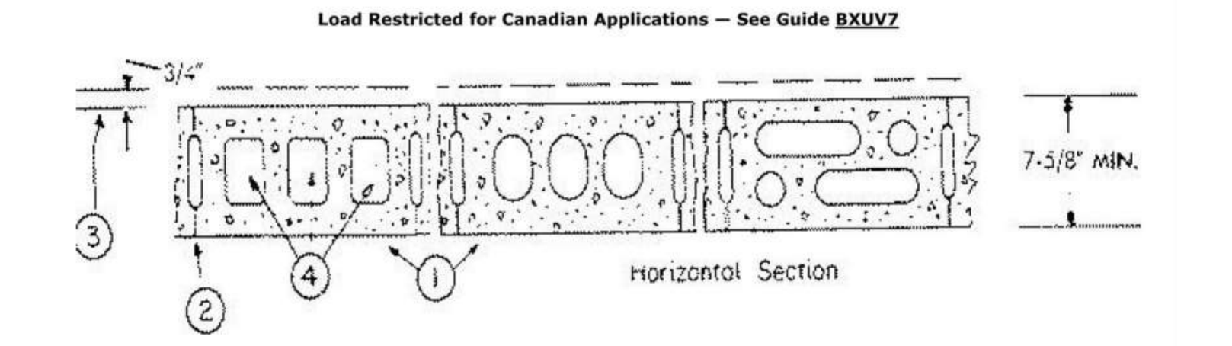
General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U905
September 30, 2010

Bearing Wall Rating — 2 HR.

Nonbearing Wall Rating — 2 HR

Load Restricted for Canadian Applications — See Guide BXUV7



1. **Concrete Blocks* —** Various designs. Classification D-2 (2 hr).

See **Concrete Blocks** category for list of eligible manufacturers.

2. **Mortar —** Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster —** Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).

4. **Loose Masonry Fill —** If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to

classification.

5. **Foamed Plastic* —** (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

THE DOW CHEMICAL CO — Type Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel and Thermax Heavy Duty Plus (HDP)

*Bearing the UL Classification Mark

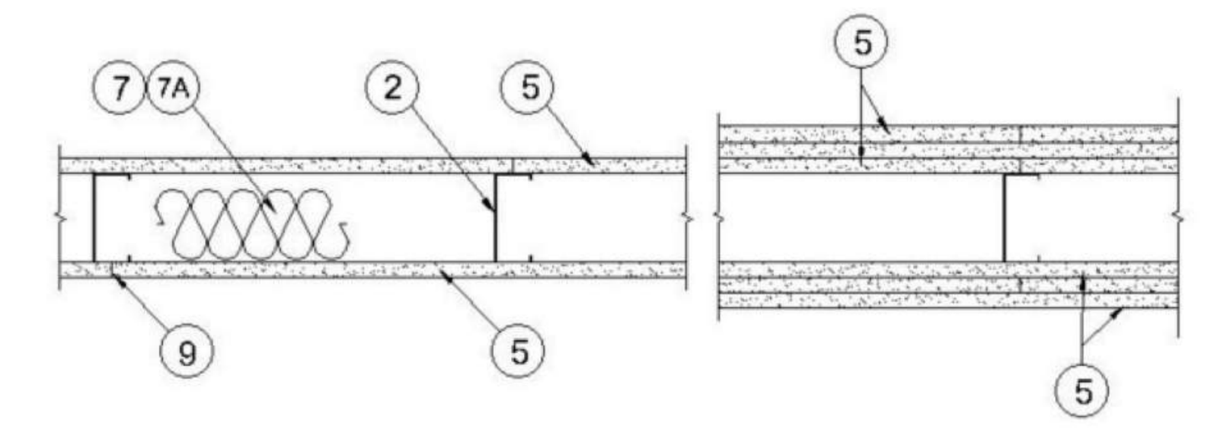
UL DESIGN NO. U423

Design No. U423

August 16, 2023

Bearing Wall Ratings — 3/4 Hr, 1, 1-1/2 or 2 Hr (See Items 5 & 7)
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 BXUV or BXUV7

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



1. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped, fabricated from min 0.0329 in., bare metal thickness (No. 20 MSG) corrosion-protected steel, that provide a sound structural connection between steel studs and adjacent assemblies such as floors, ceilings and/or other walls. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. OC.

1A. **Floor and Ceiling Runners —** (Not Shown, As an alternate to Item 1, For Use With Item 5A and 5C) — Channel shaped runners min 3-1/2 in. deep with 1-1/4 in. flanges fabricated from min No. 20 MSG corrosion-protected steel. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. OC.

2. **Steel Studs —** Min 0.0329 in., bare metal thickness (No. 20 MSG) corrosion-protected steel studs, min 3-1/2 in. wide, cold formed, designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute (AISI). All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing shall not exceed 24 in. OC. Studs attached to floor and ceiling runners with 1/2 in. long Type S-12 steel screws on both sides of the studs or by welded or bolted connections designed in accordance with the AISI specifications.

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

2B. **Steel Studs —** (As an alternate to Item 2 and 2A, For Use With Item 5B) — Min 0.0329 in., (No. 20 MSG) corrosion-protected cold formed steel studs, min 3-1/2 in. deep by 1-5/8 in. wide with 1/2 in. returns. Braced at mid-height and designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute (AISI). All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing shall not exceed 24 in. OC. Studs attached to floor and ceiling runners with 1/2 in. long Type S-12 steel screws on both sides of the studs or by welded or bolted connections designed in accordance with the AISI specifications.

2C. **Framing Members - Steel Studs —** (As an alternate to Item 2, For use with Item 5C) — Channel shaped, fabricated from min 20 MSG (0.0327 in. thick) corrosion-protected or galv steel, 3-1/2 in. min width, min 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

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

4. **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.
The maximum loading on the steel studs was evaluated with the steel studs braced at mid-height and not braced by the plywood sheathing.

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 when load is reduced to 90 percent of max stud capacity. When load is at 100 percent, horizontal edge joints and horizontal butt joints on opposite sides of studs staggered a min of 12 in. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered at 100 percent load with Type ULIX. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) with Type ULIX need not be staggered. When used in widths other than 48 in., gypsum panels to be installed horizontally. The thickness and number of layers and percent of design load for the 45 min, 1 hr, 1-1/2 hr, and 2 hr ratings are as follows:

Wallboard Protection on Each Side of Wall

Rating	No. of Layers & Thkns of Panel	% of Design Load
45 Min	1 layer, 1/2 in. thick	100
1 hr	1 layer, 5/8 in. thick	100
1-1/2 hr	2 layers, 1/2 in. thick	100
2 hr	2 layers, 5/8 in. thick	80
2 hr@	2 layers, 5/8 in. thick	100
2 hr	3 layers, 1/2 in. thick	100
2 hr	2 layers, 3/4 in. thick	100

@Rating applicable when Batts and Blankets (Item 7) are used.

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

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

5A. **Gypsum Board* —** (As an alternate to Item 5 when used as the base layer on one or both sides of wall, For direct attachment only, not to be used with Item 4) — Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1A, 2A 8, 8A(a). Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 12) or Lead Discs or Tabs (see Item 13).
RAY-BAR ENGINEERING CORP — Type RB-LBG

5B. **Gypsum Board* —** (As an alternate to Items 5 and 5A) — Nom 5/8 in. thick gypsum panels with square edges, applied horizontally or vertically. For the1 hour single layer system -when the gypsum board panels are installed horizontally the joints are to be staggered by a minimum of 12 in. on opposite sides of assembly, they are to be secured on each side of the studs with 1-1/4 in. long Type S-12 bugle head steel screws spaced 8 in. OC to the top and bottom tracks and in the field with screws 1 in. and 4 in. from the horizontal joints. When the gypsum board panels are installed vertically all vertical joints must be centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC to the top and bottom tracks and in the field with screws 1 in and 4 in. from the perimeter. For the 2 hour double layer system - when the gypsum board panels are installed horizontally the joints need not be staggered on opposite sides of assembly. Base layer secured on each side of the studs with 1-1/4 in. long Type S-12 bugle head steel screws spaced 16 in. OC to the top and bottom track and in the field with screws beginning 1 in. and 8 in. from the horizontal joints. Face layer horizontal joints staggered 8 in from base layer joints and secured with 1-5/8 in. long Type S-12 bugle head steel screws spaced 16 in. OC to the top and bottom tracks and in the field with screws beginning 1 in. and 8 in. from the horizontal joints. Face layer screws offset 8 in. from base layer screws. When the gypsum board panels are installed vertically all vertical joints must be centered over studs and staggered min 1 stud cavity on opposite sides of studs. Face layer gypsum boards secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 16 in. OC with screws 2 in. and 16 in. from the perimeter. Base layer gypsum boards secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 16 in. OC with screws 1-1/2 in and 8 in. from the perimeter. Face layer screws offset 8 in. from base layer screws.
CGC INC — Type USGX

UNITED STATES GYPSUM CO — 5/8 in. thick Type USGX (Joint tape and compound, Item 9, optional with Type USGX)

USG BORAL DRYWALL SFZ LLC — 5/8 in. thick Type USGX (Joint tape and compound, Item 9, optional with Type USGX)

USG MEXICO S A DE C V — Type USGX

5C. **Gypsum Board* —** (As an alternate to Item 5 when used as the base layer on one or both sides of wall, For direct attachment only, not to be used with Item 4) — Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or #6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nelco

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

SCHENKEL SHULTZ
9510 Corkscrew Palms Circle, Unit 1
Estero, FL 33928,USA
voice (239) 208-4846
SS Lic. No. AA-C000937
www.schenkelshultz.com

REVISIONS		
MARK	DESCRIPTION	DATE

COMM. NO.: 2023820
ISSUE DATE: 01.05.2024
DRAWN BY: NW

UL ASSEMBLIES

G020

100% CONSTRUCTION DOCUMENTS

CONT. UL DESIGN NO. U423

5D. **Gypsum Board* —** (As an alternate to Item 5 when used as the base layer on one or both sides of wall, For direct attachment only, not to be used with Item 4) — Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1A, 2A 8, 8A(a). Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 12A) or Lead Discs (see Item 13A).
MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

5E. **Gypsum Board* —** (As an alternate to Item 5 when used as the base layer on one or both sides of wall, For direct attachment only, not to be used with Item 4) — Nom 5/8 in. may be used as alternate to all 5/8. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1A, 2A 8, 8A(a). Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

5F. **Gypsum Board* —** (As an alternate to Item 5 when Foam Plastic insulation (Item 17) 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 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 1-5/8 in. long steel screws spaced 8 in. OC.

5G. **Gypsum Board* —** (As an alternate to Item 5 when Foam Plastic insulation (Item 18) 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 Item 5 - Type S-12 steel screws used to attach panels to runners (Item 1 or 1A) and studs (Item 2 or 2A) or furring channels (Item 8). **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 12 in. OC when panels are applied vertically. **Single layer system with Type ULIX:** 1 in. long, spaced 12 in. OC along the perimeter and in the field when panels are applied horizontally or vertically. **Two layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in. and 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. **Three-layer systems:** First layer- 1 in. long for 1/2 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

7. **Batts and Blankets* —** (Required as indicated under Item 5) — Nom 2 in. thick mineral wool batts, friction fitted between studs and runners. See **Batts and Blankets (BKNV or BZJZ) Categories** for names of Classified companies.

7A. **Batts and Blankets* —** (Optional, Not Shown) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See **Batts and Blankets (BKNV or BZJZ) Categories** for names of Classified companies.

7B. **Batts and Blankets* —** (Optional, Not Shown) — Placed in stud cavities, glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.
OWENS CORNING — Type QuietZone Acoustic Batts

7C. **Fiber, Sprayed* —** (Optional) — As an alternate to Batts and Blankets (Item 7) — Not for use with Items 8A or 8B) — Spray applied mineral wool insulation. The fiber is applied with adhesive, at a minimum density of 4.0 pcf, to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCAZ).
AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

8. **Furring Channels —** (Optional on one or both sides, not shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 panhead steel screws. Not for use with type FRX-G gypsum panels and Item 5A, 5C, 5D, or 5E.

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

b. **Steel Framing Members* —** Used to attach furring channels (Item 8a) to studs (Item 2). Clips spaced max. 48 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 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).

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

b. **Steel Framing Members* —** Used to attach furring channels to studs (Item 2). Clips spaced max. 48 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.
PLITEQ INC — Type GENIECLIP

8C. **Steel Framing Members* —** (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 8, furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 6. Not for use with type FRX-G gypsum panels and Item 5A, 5C, 5D, or 5E.

b. **Steel Framing Members* —** Used to attach furring channels to studs (Item 2). Clips spaced max. 48 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

8D. **Steel Framing Members* —** (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 8, furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 8Db. 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 6. Not for use with type FRX-G gypsum panels and Item 5A, 5C, 5D, or 5E.

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

8E. **Steel Framing Members* —** (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 8, resilient channels and Steel Framing Members as described below:
a. **Resilient Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 5. Not for use with type FRX-G gypsum panels and Item 5A, 5C, 5D, or 5E.

b. **Steel Framing Members* —** Used to attach resilient channels (Item 8Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.
KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

8F **Steel Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 8, furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 5.

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

CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

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

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

11. **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

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

12A. **Lead Batten Strips —** (Not Shown, for use with Item 5D) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 6) and optional at remaining stud locations.

13. **Lead Discs or Tabs —** (Not Shown, For Use With Item 5A) — Used in lieu of or in addition to the lead batten strips (Item 12) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5A) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

13A. **Lead Discs —** (Not Shown, for use with Item 5D) — 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".

14. **Lead Batten Strips —** (Not Shown, For Use With Item 5C) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 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 5C) and optional at remaining stud locations.

15. **Lead Tabs —** (Not Shown, For Use With Item 5C) — 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5C) 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.

16. **Wall and Partition Facings and Accessories* —** (CLBV) (Optional, Not Shown) — For use with Item 1, Item 2 to 2C, Item 3, Item 5,Item 6, Item 7A, Item 8 and Item 9. For a maximum fire rating of 1 hour. On one side of the wall, over the first layer of Gypsum Board (Item 5), install RefleXor membrane with the gold side facing outwards. Membrane installed with T50 staples spaced 12 inches on center in both directions as per manufacturer's instructions, seams in membrane to be overlapped by 2 inches. When RefleXor membrane is used an additional layer of Gypsum Board identical to the one used in the first layer and as specified in Item 5 shall be installed over the membrane. Additional layer of Gypsum Board to be installed through the membrane to the stud as specified in Item 5 except the fastener length shall be increased by a minimum of 5/8 inch. Install Batts and Blankets in the stud cavity as per Item 7A.

On the other side of the wall prior to the installation of the Gypsum Board install Resilient Channels as per Item 8. Over the Resilient Channels install 3/4 inch thick SONOpan panel secured to the Resilient Channels with min. 1-1/4 in. long drywall screws and washers spaced at 16 in. OC on the perimeter of the panel and 8 in. OC in the field of the panel. Over the SONOpan panel install the same Gypsum Board as specified in Item 5 with the fastener length increased by minimum 3/4 inch. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

Alternately, on the other side of the wall prior to the installation of the Gypsum Board (Item 5), install 3/4 in. thick SONOpan panels, secured to one side of studs either horizontally or vertically. Panels secured to each stud with min. 1-1/4 in. long drywall screws spaced 12 in. OC. Over the SONOpan, install 25 MSG galv steel, Resilient Channels, spaced vertically 24 in. OC. Resilient Channels fastened through panels to each stud with min. 2 in. long drywall screws or self-tapping screws. Over the Resilient Channels install Gypsum Board as specified in Item 5 with drywall screws as specified in Item 6. Panels not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

MSL — RefleXor membrane, SONOpan panel.

17. **Foamed Plastic*** – (Optional, Not Shown) Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity.

CARLISLE SPRAY FOAM INSULATION – Types SealTite ONE, SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite Pro No Trim 21, SealTite Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate 70, and Foamsulate HFO

18. **Foamed Plastic***– (Optional, Not Shown for use with item 5G) Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity.

BASF CORP - Enertite® NM, Enertite® G, FE178®, Spraytite® 178, Spraytite® 81206, Walltite® 200, Walltite® US and Walltite® US-N, and Walltite HP+

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

UL DESIGN NO. D916

Design No. D916

May 16, 2013

Restrained Assembly Ratings — 3/4, 1, 1-1/2, 2 or 3 Hr.

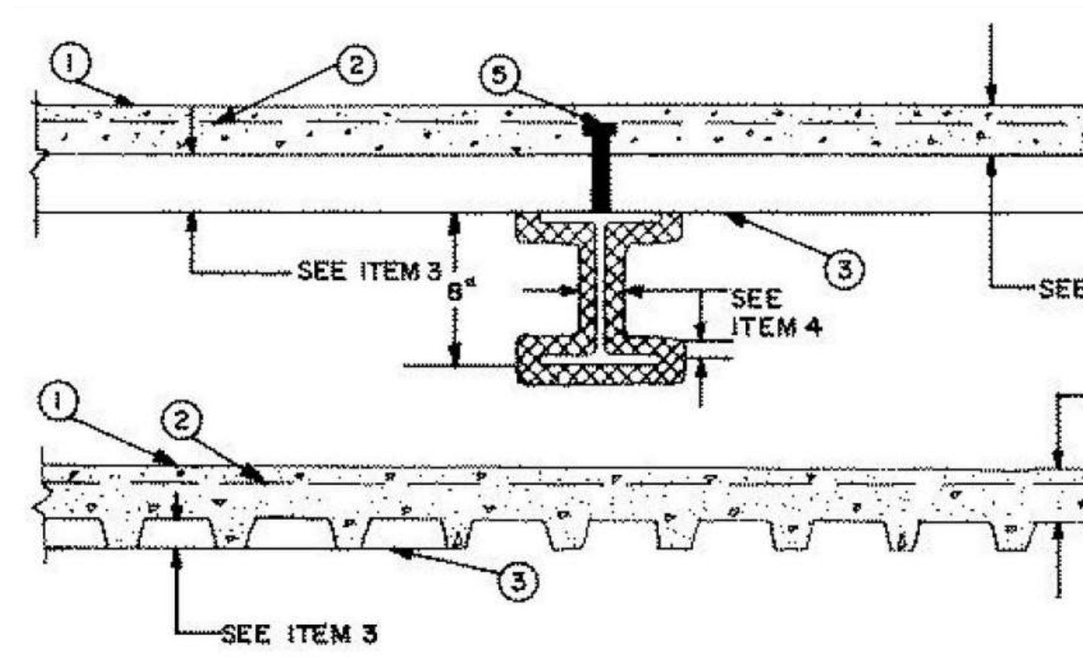
(See Items 1, 6, 7, 8 and 11)

Unrestrained Assembly Rating — 0 Hr. (See Items 3, 4 and 4A)

Unrestrained Beam Ratings — 1, 1-1/2, 2 and 3 Hr.

(See Items 4, 4A, 7 and 11)

Load Restricted for Canadian Applications — See Guide BXUV7



Supports — 8x28 min size steel beams. Or steel joists or joist girders (not shown), composite or noncomposite. Welded or bolted to end supports. Designed per S.J.I. specifications for a max tensile stress of 30 ksi. May be either uncoated or provided with a shop coat of paint. For the 2 h or less Restrained or Unrestrained Beam Ratings, top and bottom chords shall each consist of two angles with a min total area of 0.96 and 0.77 sq in., respectively. Web members shall be either round bars or angles. Min area of the end diagonal web shall be 0.444 sq in. Min area of each of the first six interior diagonal webs shall be 0.406 sq in. All other interior webs shall have a min area of 0.196 sq in. For the 3 h Restrained or Unrestrained Beam Ratings, each of the top and bottom chords shall each consist of two angles with a min total area of 1.74 sq in. Web members shall be either round bars or angles. Min area of each of the first five end diagonal webs shall be 0.886 sq in. All other interior webs shall have a min area of 0.441 sq in. Bridging per S.J.I. specifications is required when noncomposite joists are used. For noncomposite joists, steel filler pieces of proper size, 1 to 2 in. long shall be welded to and between the top chord angles at midway between all top chord panel points.

1. **Normal Weight or Lightweight Concrete —** Normal weight concrete carbonate or siliceous aggregate, 3500 psi compressive strength, vibrated. Lightweight concrete, expanded shale, or slate aggregate by rotary-kiln method, or expanded clay aggregate by rotary-kiln or sintered-grate method, 3000 psi compressive strength, vibrated, 4 to 7 percent entrained air.

Restrained Assembly Rating Hr	Concrete (Type)	Concrete Unit Weight pcf	Concrete Thkns In.
1	Normal Weight	147-153	3-1/2
1-1/2	Normal Weight	147-153	4
2	Normal Weight	147-153	4-1/2
3	Normal Weight	147-153	5-1/4
3/4 or 1 (See Item 6)	Lightweight	107-113	2-1/2
1	Lightweight	107-120	2-5/8
1-1/2	Lightweight	107-113	3
2	Lightweight	107-113	3-1/4
2	Lightweight	107-116	3-1/4*
2	Lightweight	114-120	3-1/2
3	Lightweight	107-113	4-3/16
3	Lightweight	114-120	4-7/16

*For use with 2 or 3 in. steel floor and form units only.

2. **Welded Wire Fabric —** 6 x 6, 10 x 10 SWG.

3. **Steel Floor and Form Units* —** Composite 1-1/2, 1-5/8, 2 or 3 in. deep galv units or 4-1/2 in. deep noncomposite galvanized units. Fluted units may be uncoated or phosphatized/painted. Min gauges are 22 MSG for fluted and 20/20 MSG for cellular units. The following combinations of units may be used:

(2) all fluted.

(3) one or two 3 in. deep, 12 in. wide, 18/18 MSG min cellular units, alternating with 3 in. deep fluted or other cellular.

(4) any blend of fluted and 18, 24, 26, 28, or 36 in. wide cellular.

(5) 3 in. deep, 30 in. wide cellular with 8-1/8 in. wide valley along side joints may be used when 3/8 in. diam reinforcing bars are placed 1-1/2 in. to each side of side joints and 1 in. above bottom of unit.

(6) Corrugated, 1-5/16 in. deep, 30 in. wide, 24 MSG min galv units with shear wires factory welded to deck corrugations. Welded to supports 12 in. OC. through welding washers. For shear wire spacing of 8 in. or less the steel deck stress shall not exceed 20 KSI. For shear wire spacing greater than 8 in. OC. but less than or equal to 12 in. OC., steel deck stress shall not exceed 12 KSI.

ASC STEEL DECK, DIV OF ASC PROFILES INC — 24, 30, or 36 in. wide, Types B Hi-Form, BF Hi-Form, N Hi-Form, NF Hi-Form, 2W Hi-Form, 2WF Hi-Form, 3W Hi-Form, 3WF Hi-Form BR Hi-Form, BMOD Hi-Form, BRMOD Hi-Form, DGB Hi-Form, DGBF Hi-Form, DGN Hi-Form, DGN32 Hi-Form, DGNF Hi-Form, DGNF32 Hi-Form, DG2W Hi-Form, DG2WF Hi-Form, DG3W Hi-Form, and DG3WF Hi-Form; 32 in. wide Type N-32, NF32, DGN-32, DGNF32; 24 or 30 in. wide Types ASC2 or ASC3. All units may be galvanized or Prime Shield.

CANAM STEEL CORP — 36 in. wide Type P-3623, P-3606, P-3615 and 24 in wide Type P-2432 composite.

CENTRIA — QL Types, 24 in. wide 3 or 3 inverted, UKX, UKX-3, 2 in. 99, AKX, 21 or 21 inverted, 121, NKX, TKX; 24 or 30 in. wide GKX, GKXH, GKX-A; 36 in. wide 99, AKX, WKX; 24, 26, or 36 in. wide NKX; 1.5NKC, NKC, AKX, 2 or 3 in. TKC; 12 in. wide noncomposite Sec. 12; 17 in. wide 21; 26 or 28 in. wide UKX, 87.5 cm wide. Side joints of QL, 99, 121, WKX, TKX, TKC, and Metric units - QL-77-900; QLC-78-900 may be welded together 60 in. OC. Side joints of 99, AKX, WKX, GKX, GKX-A, TKX and Metric units - QL-77-900 and QLC-78-900 may be fastened together with min 1 in. long No. 12x14 self-drilling, self-tapping steel screws 36 in. OC.

CHIA TEH CONSTRUCTION MATERIAL CO LTD — 24 or 36 in. wide Mac-Lok 3; 24 in. wide CFD-3.

CANAM STEEL CORP — 24 in. wide, Types 1-1/2 , 2 or 3 in. LOK-Floor and LOK-Floor Cell; 36 in. wide, Types 2 or 3 in. LOK-Floor and LOK-Floor Cell; 24 in. wide, Types N-LOK and N-LOK Cell; 24, 30 or 36 in. wide, Type 1-1/2 in. B-LOK and B-LOK Cell.

CONSOLIDATED SYSTEMS INC — 24 in. wide Types CFD-2, CFD-3; 24, 30 or 36 in. wide Type CFD-1.5; 24 or 36 in. wide Types Mac-Lok 2, Mac-Lok 3; 24 in. wide, Types B2C, B2FC, NC, NFC; 30 in. wide Type B3C; 12 in. wide Mac-Way cellular 45 MOW, 2-633 MTWA, 3-633 MTWA, 2-633MTWV, 3-633MTWV+, 24 in. wide Type Versa-Dek.

DECK WEST INC — 36 in. wide Type B-DW, Inverted B-DW, BA-DW, Inverted BA-DW, 2-DW or 3-DW. Side joints of Type 2-DW and 3-DW may be fastened together with min 1 in. long No. 12 x 14 self-drilling, self-tapping steel screws 36 in. OC.

DESIGN ASSISTANCE CONSTRUCTION SYSTEMS INC — 36 in. wide Type DACS1.5CD, or 24 in. wide Type DACS2.0CD, or DACS3.0CD.

EPIC METALS CORP — 24 in. wide Types EC150, ECP150, EC300, ECP300, EC366, ECP366, EC150, EC300 inverted, ECA, 30 in. wide Types ECB150, ECBR150; 36 in. wide Type EC266.

GENS METALS INC — 24 or 36 in. wide Types LF2, LF3.

MARLYN STEEL DECKS INC — Type 1.5 CF, 2.0 CF or 3.0 CF.

HAMBRO STRUCTURAL SYSTEMS, DIV OF CANAM STEEL CORP — 36 in. wide, 1-1/2 in. Type P3615HB. The max superimposed loadings for Type P3615HB units shall not exceed 250 PSF. For single spans, the use of the units shall be limited to 5 ft 6 in., 6 ft 0 in. and 6 ft 6 in. max spans for the 22, 20 and 18 gauge units, respectively. For multiple spans, 18 gauge units may be used on a max 7 ft 6 in. spans with a max total superimposed loading of 240 PSF.

KAM INDUSTRIES LTD, DBA CORDECK — 24 in. wide, Types 2 or 3 in. WDR.

MORIN CORP — 24, 30 or 36 in. wide Types LXR-B, LXR-B inverted; 24 or 36 in. wide Type LXR-3W; 36 in. wide Type LXR-2W.

NEW MILLENNIUM BUILDING SYSTEMS L L C — Type 1.5CD, 1.5CDI, 1.5CDR, 2.0CD, or 3.0CD. Units may be phos/painted or galvanized.

ROOF DECK INC — 36 in. wide Types LOK 1 1/2, LOK 1 1/2 R; 24 in. wide Types LOK-2, LOK-3.

VALLEY JOIST — 24 or 36 in. wide Types WVC 1-1/2 or WVC 2.

VERCO DECKING INC - A NUCOR CO — 24, 30 or 36 in. wide Types PLB, B, BR; 24 or 36 in. wide Types PLW2, W2, PLW3, W3; 24 in. wide Types PLN, N. 12 in. wide PLW2, W2, PLW3 or W3 units may be blended with 24 or in. wide PLW2, W2, PLW3 or W3 units, respectively. Units may be phos/ptd.

VICWEST INC — 24 in. wide Type HB306; 32 in. wide Types HB308-INV and HB30V; 36 in. wide Types HB938, HB938CL and HB938-INV.

VULCRAFT, DIV OF NUCOR CORP — 24, 30 or 36 in. wide, Types 1.5VL, 1.5VLI, 1.5VLP, 1.5VLR; 24 or 36 in. wide, Types 1.5VLPA, 2VLI, 3VLI, 2VLP, 3VLP, 2VLPA, 3VLPA. Side joints of Type 1.5VL may be fastened together with min 1 in. long No. 12x14 self-drilling, self-tapping steel screws 36 in. OC max.

Spacing of welds attaching units to supports shall be 12 in. OC for 12, 24, and 36 in. wide units, four welds per sheet for 30 in. wide units, 6 in. OC for 18 in. wide and Sec. 12 units. Unless noted otherwise, adjacent units button-punched or welded together 36 in. OC along side joints. Adjacent 18 in. wide units welded together 30 in. OC along side joints. For **3 Hr. Rating,** units with overlapping type side joints welded together 24 in. OC max.

When a superimposed load of 250 PSF is desired the spacing of welds or button-punches shall not exceed 24 in. OC along side joints.

+12 in. wide, 1-1/2 in. deep Mac-Way units may be blended with 24 in. wide B2C or 30 in. wide B3C units in a blend of one cell to one or more fluted units. 12 in. wide, 2 in. deep Mac-Way units may be blended with 36 in. wide Mac-Lock 2 units in a blend of one cell to one or more fluted units. 12 in. wide, 3 in. deep Mac-Way units may be blended with 36 in. wide Mac-Lock3 units in a blend of one cell to one or more fluted units. The side edge of the fluted unit is placed on the top of the side edge of the Mac-Way unit and the two are welded together with welding washers spaced a max. of 32 in. OC for Mac-Lock 2 or 3 units and a max. of 24 in. OC for the B2C or B3C units.

The Unrestrained Assembly Rating is equal to the Unrestrained Beam Rating for a max of 3 Hr. and is limited to the following units and limitations:

(a) 1-1/2 in. deep, 24 in. wide, 22 MSG or thicker fluted with clear spans not more than 7 ft 8 in.

(b) 1-1/2 in. deep, 24 in. wide, 20 MSG or thicker fluted with clear spans not more than 8 ft 8 in.

(c) 1-1/2 in. deep, 24 in. wide, 16 MSG or thicker fluted and 18/18 MSG or thicker cellular with clear spans not more than 9 ft 11 in.

(d) 3 in. deep, 36 in. wide, 18 MSG or thicker fluted and 24 in. wide, 20/18 MSG or thicker cellular with clear spans not more than 13 ft 2 in.

4. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below, in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. Min avg and min ind density of 15/14 pcf respectively. Min avg and min ind density of 19/18 pcf respectively for Type 7GP and 7HD. For method of density determination, refer to Design Information Section.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	1/2
1-1/2	1	1	1/2
1-1/2	1-1/2	1-1/2	13/16
2	1	1	1/2
2	2	2	1-1/16
3	1-1/2	1-1/2	13/16
3	3	3	1-9/16

The thicknesses of Spray-Applied Fire Resistive Materials shown in the table below are applicable when the thickness applied to the beams' lower flange edges is reduced by 1/2 that shown in the table:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	9/16
1-1/2	1	1	9/16
1-1/2	1-1/2	1-1/2	7/8
2	1	1	9/16
2	2	2	1-3/16
3	1-1/2	1-1/2	7/8
3	3	3	1-3/4

The thicknesses of Spray-Applied Fire Resistive Materials shown in the table below are applicable when the thickness applied to the beams' lower flange edges is reduced by 1/2 that shown in the table and the beams are supporting all fluted floor or form units w/lightweight concrete only:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	7/16+
1-1/2	1	1	7/16+
1-1/2	1-1/2	1-1/2	3/4
2	1	1	7/16+
2	2	2	1
3	1-1/2	1-1/2	3/4
3	3	3	1-9/16

+Thickness applied to beams' lower flange edge to be 1/4 in. min.

The thickness of material required on the steel joist for the various ratings are shown in the following table:

Restrained or Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Joist & Bridging In.
1	1	1-1/8
1-1/2	1-1/2	1-3/4

Rating Hr	Beam Rating Hr	Slab	Joist & Bridging
1	1	NW or LW	1-1/8
1-1/2	1-1/2	NW or LW	1-3/4
2	2	NW or LW	2-1/4
3	3	NW or LW	2-7/8

W R GRACE & CO - CONN — Types Z- 105, Z-106, Z-106/G, Z-106/HY, Monokote Acoustic 5.

GRACE KOREA INC — Types Z-106, Z-106/G, Z-106/HY, Monokote Acoustic 5.

SOUTHWEST FIREPROOFING PRODUCTS CO — Types 7GP, 7HD.

4B. **Alternate Spray-Applied Fire Resistive Materials —** Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. The thicknesses shown in the table below are applicable to beams supporting all fluted floor or form units. Min avg and min ind density of 40/36 pcf, respectively. Min avg and min ind density of 40/36 pcf respectively for Types Z-146, Z-146PC and Z-146T cementitious mixture. Min avg and min ind density of 50/45 pcf respectively for Types Z-156, Z-156T and Z-156PC.

For density determination refer to Design Information Section.

Unrestrained Beam Rating Hr	Restrained Assembly Rating Hr	Concrete Type	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1, 1-1/2, 2	LW	9/16
1-1/2	1, 1-1/2, 2, 3	LW	7/8
1	1, 1-1/2, 2	LW	3/4
1-1/2	1, 1-1/2, 2, 3	LW	1

GRACE KOREA INC — Type Z-146 investigated for exterior use

W R GRACE & CO - CONN — Types Z-146, Z-146T, Z146PC, Z-156, Z-156T and Z-156PC investigated for exterior use

5. **Shear-Connector Studs — Optional —** Studs 3/4 in. diam by 3 in. long, for 1-1/2 in. deep form units to 5-1/4 in. long for 3 in. deep form units, headed type or equivalent per AISC specifications. Welded to the top flange of the beam through the steel form units.

6. **Electrical Inserts —** (Not shown) Classified as **"Outlet Boxes and Fittings Classified for Fire Resistance."**

CENTRIA — Preset Inserts

For use with 2-1/2 in. lightweight concrete topping over QL-WKX steel floor units. Installed over factory-punched holes in floor units per accompanying installation instructions.

Spacing shall not be more than one insert in each 14 sq ft. of floor area with spacing along floor units not less than 48 in. OC. The holes cut in insert cover for passage of wires shall be no more than 1/8 in. larger diam. than wire. Restrained Assembly Rating is 3/4 hr with Tapmate II-FS-1 and 1 hr with Tapmate II-FS-2 inserts.

CENTRIA — Tapmate II-FS-1, II-FS-2; Series KEB.

(2) **Wiremold Co.** — After set Inserts.

Single-service after set inserts installed per accompanying installation instructions in 2-1/2 in. diam hole core-drilled through min 3-1/4 in. thick concrete topping to top of cell of any min 3 in. deep cellular steel floor unit specified under Item 3. Spacing shall be no more than one insert in each 10 sq ft of floor area in each span with a min center to center spacing of 16 in. If the high potential and low potential raceways of the cellular steel floor unit are separated by a valley filled with concrete, the center to center spacing of the high potential and low potential single-service after set inserts may be reduced to a min of 7-1/2 in. Restrained Assembly Rating is 2 hr or less with internally protected type 436 after set insert with Type M4-, M6- or M8- Series single-service activation fitting.

WIREMOLD CO — Internally protected Type 436 after set insert with Type M4-, M6- or M8- Series single-service activation fitting.

7. **Mineral and Fiber Boards* —** (Optional, not shown). Applied over concrete floor with no restriction on board thickness. When mineral and fiber boards are used, the unrestrained beam rating shall be increased by a minimum of 1/2 hr.

See Mineral and Fiber Board (CERZ) category for names of manufacturers.

8. **Roof Covering Materials* —** (Optional, not shown)Consisting of materials compatible with insulations described herein which provide Class A, B or C coverings. See Built-Up Roof Covering Materials in Building Materials Directory.

9. **Insulating Concrete —** (not shown) Optional. Various types of insulating concrete prepared and applied in the thickness indicated:

A. **Vermiculite Concrete —** (not shown) Optional.

1. Blend 6 to 8 cu. ft. of Vermiculite Aggregate* to 94 lb. Portland Cement and air entraining agent. Min thickness of 2 in. as measured to the top surface of the structural concrete or foamed plastic (Item 10) when it is used.

ELASTIZELL CORP OF AMERICA

SIPLAST INC

VERMICULITE PRODUCTS INC

2. Blend 3.5 cu. ft. of Type NVC Concrete Aggregate* or Type NVS Vermiculite Aggregate* coat, 1/8 in. thickness beneath foamed plastic (Item 10) when used, 1 in. min topping thickness.

SIPLAST INC

VERMICULITE PRODUCTS INC

Vermiculite concrete may be covered with Roof Covering Materials (Item 8).

B. **Cellular Concrete — Roof Topping Mixture* —** concentrate mixed with water and Portland cement per manufacturers specifications. Min. thickness of 2-in. as measured to the top surface of the structural concrete or foamed plastic (Item 10) when used. Cast dry density and 28— day min. compressive strength of 190 psi as determined with ASTM C495— 66.

CELCORE INC — Type Celcore with cast dry density of 31 (+ or - 3.0) pcf or Type Celcore MF with cast dry density of 29 (+ or - 3.0) pcf.

CELLULAR CONCRETE L L C — Cast dry density of 37 (+ or -) 3.0 pcf.

ELASTIZELL CORP OF AMERICA — Type II. Mix #1 of cast dry density 39 (+ or -) 3.0 pcf, Mix #2 of cast dry density 40 (+ or -) 3.0 pcf, Mix #3 of cast dry density 47 (+ or -) 3.0 pcf.

C. **Cellular Concrete-Roof Topping Mixture* —** Concentrate mixed with water and Portland cement per manufacturers specifications. 28-day min. compressive strength of 190 psi as determined with ASTM C495-66.

LITE-CRETE INC — Cast dry density of 29 (+ or -) 3.0 pcf.

SIPLAST INC — Mix No. 1 or 2. Cast dry density of 32+3 (Mix No. 1) or 36+3 (Mix No. 2) pcf.

D. **Perlite Concrete —** 6 cu ft. of Perlite Aggregate* to 94 lb of Portland Cement and 1-1/2 pt air entraining agent. Min. thickness 2 in. as measured to the top surface of structural concrete or

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

SCHENKEL SHULTZ

9510 Corkscrew Palms Circle, Unit 1
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REVISIONS		
MARK	DESCRIPTION	DATE

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UL ASSEMBLIES

G021

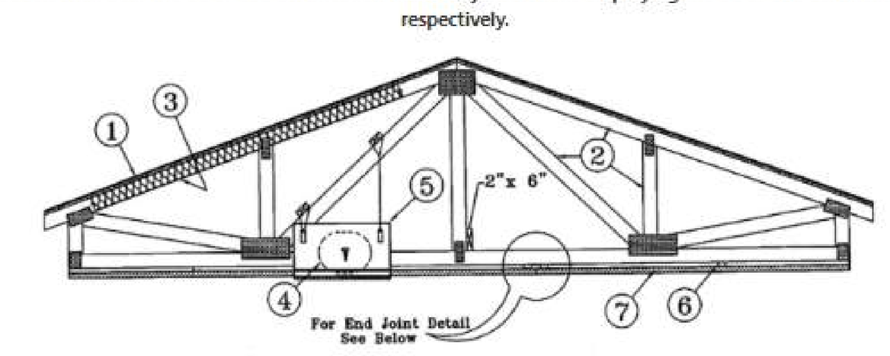
100% CONSTRUCTION DOCUMENTS

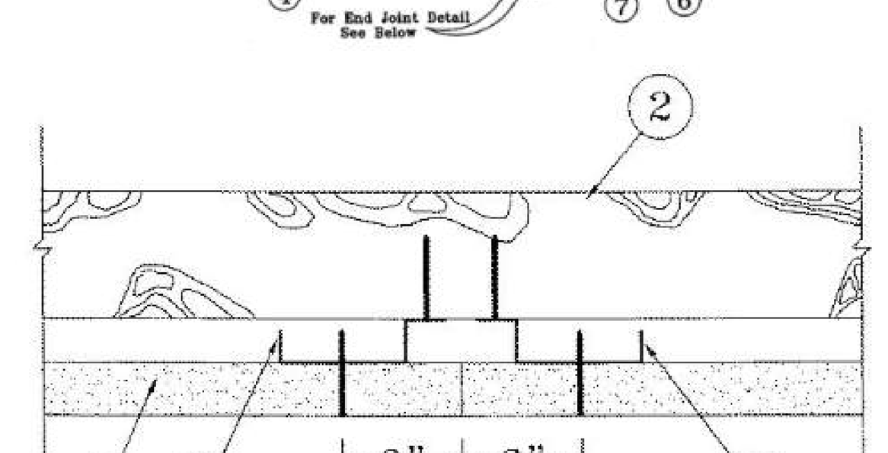
UL DESIGN NO. P522

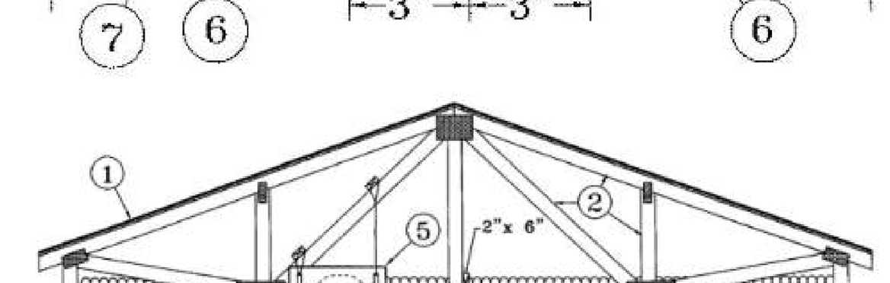
Design No. P522
December 1, 2023

Unrestrained Assembly Rating — 1 Hr
Finish Rating — 25 Min (See Items 3 or 3A)
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 BXUV or BXUV7

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







Alternate Insulation Placement

1. **Roofing System*** — Any UL Class A, B or C Roofing System (TGFU) or Prepared Roof Covering (TFWZ) acceptable for use over nom 15/32 in. thick wood structural panels, min. grade "C-D" or "Sheathing". Nom 15/32 in. thick wood structural panels secured to trusses with No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails. Construction adhesive may be used with either the nails or staples.

2. **Trusses** — Pitched or parallel chord wood trusses, spaced a max of 24 in. OC, fabricated from nom 2 by 4 lumber, with lumber oriented vertically or horizontally. Truss members secured together with min. 0.0356 in. thick galv steel plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split tooth type plate. Each tooth has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approximately 7/8 in. centers with four rows of teeth per inch of plate width. Minimum parallel chord truss depth shall be 18 in. Where pitched truss intersects with the interior face of the exterior walls, the min truss depth shall be 5-1/4 in. with a min roof slope of 3/12 and a min. average depth of 18 in.. Where the truss intersects with the interior face of the exterior walls, the min truss depth may be reduced to 3 in. If the batts and blankets (Item 3) are used as shown in the above illustration (Alternate Insulation Placement) and are firmly packed against the intersection of the bottom chords and the plywood sheathing.

3. **Batts and Blankets*** — (Optional) — Required when Item 6B is used — Glass fiber insulation, secured to the wood structural panels with staples spaced 12 in. OC or to the trusses with 0.090 in. diam galv steel wires spaced 12 in. OC. Any glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance, having a min density of 0.5 pcf. As an option, the insulation may be fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane when resilient channels and gypsum board attachment is modified as specified in Items 6 and 7. When **Steel Framing Members** (Item 6B) are used, max 3-1/2 in. thick insulation shall be draped over the furring channels (Item 6Ba) and gypsum board ceiling membrane, and friction-fitted between trusses and Steel Framing Members (Item 6Bd). The finished rating has only been determined when the insulation is secured to the decking.

3A. **Fiber, Sprayed*** — As an alternate to Item 3 (not evaluated for use with Item 6B) — Any thickness of spray-applied cellulose insulation material, having a min density of 0.5 lb/ft³, applied with water, over the resilient channel/gypsum board ceiling membrane when resilient channels and gypsum board attachment is modified as specified in Items 6 and 7. Fiber, Sprayed is applied with moisture in accordance with the application instructions supplied with the product. The finish rating when Fiber Sprayed is used has not been determined. Alternate application method: The fiber is applied without water or adhesive in accordance with the application instructions supplied with a minimum density of 0.5 lb/ft³ over the resilient channel/gypsum board ceiling membrane when resilient channels and gypsum board attachment is modified as specified in Items 6 and 7. Alternate application method: The fiber is applied without water or adhesive to a nominal density of 3.5 lb/ft³ behind netting (Item 9) stapled to the rafters. The netting is stapled at both lower edges of the rafters creating a cavity to accept the cellulose fiber.
APPLEGATE GREENFIBER ACQUISITION LLC — SANCTUARY for use with wet or dry application. INS510LD, INS515LD, INS541LD, and Insulmax are to be used for dry application only.

3B. **Foamed Plastic*** — (As an alternate to Item 3 or 3A, Not Shown) — Spray foam insulation applied directly to the underside of the underside of the roofing system (Item 1). Spray foam insulation installed to a maximum thickness of 10 in. at a nominal 0.5 lb/ft³ density, while maintaining a minimum 8-1/2 in. clearance between the spray foam insulation and the gypsum board (Item 7). When spray foam insulation is used, resilient channels (Item 6) shall be installed maximum 12 in. OC, with channels adjacent to butt joints of gypsum board (Item 7) installed at 6 in. OC to allow for maximum 3 in. spacing off ends of the gypsum board joints. Gypsum board (Item 7) to be installed using 1-1/4 in. long Type S screws, spaced maximum 8 in. OC, and butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. If used with a fire damper (Items 5 through 5K) in the concealed space, minimum 1 in. clearance to be maintained between damper housing and spray foam insulation. Not evaluated for use with Items 6A through 6F.
SES FOAM INC — Sucraseal

3C. **Cavity Insulation - Batts and Blankets* or Fiber, Sprayed*** — (As described above) in Items 3 and 3A — (For Use with Item 7B, Not Shown) — Min. 3-1/2 in thick with no limit on maximum thickness fitted in the concealed space, draped over the resilient channel (Item 6G)/gypsum board (Item 7B) ceiling membrane.

3D. **Foamed Plastic*** — (As alternate to Item 3, 3A, or 3B, Not Shown) — Spray foam insulation applied directly to the underside of the roofing system (Item 1). Spray foam insulation installed to a maximum thickness of 10 in. at a nominal 0.5 lb/ft³ or 2.0 lb/ft³ density, depending on the product installed. When spray foam insulation is installed, resilient channels (Item 6) shall be installed maximum 12 in. OC, with channels adjacent to butt joints of gypsum board (Item 7) spaced maximum 3 in. away from gypsum butt joints. Gypsum board (Item 7) to be installed using minimum 1-1/4 in. long Type S screws, spaced maximum 8 in. OC, and butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. If used with a fire damper (Items 5 through 5H) in the concealed space, minimum 1 in. clearance to be maintained between damper housing and spray foam insulation. Not evaluated for use with Items 6A through 6F.
BASF CORP — Enertite® NM, Enertite® G, FE178®, Spraytite® 178, Spraytite® 81206, Walltite® 200, Walltite® US, Walltite® US-N, and Walltite® HP+

3E. **Foamed Plastic*** — (As an alternate to Item 3, 3A, 3B, 3C, or 3D, Not Shown) — Spray foam insulation applied directly to the underside of the underside of the roofing system (Item 1). Spray foam insulation installed to a maximum thickness of 17 in. at a nominal 0.5 lb/ft³ density, while maintaining a minimum 1-1/2 in. clearance between the spray foam insulation and the gypsum board (Item 7). When spray foam insulation is used, resilient channels (Item 6) shall be installed maximum 12 in. OC, with channels adjacent to butt joints of gypsum board (Item 7) installed at 6 in. OC to allow for maximum 3 in. spacing off ends of the gypsum board joints. Gypsum board (Item 7) to be installed using 1-1/4 in. long Type S screws, spaced maximum 8 in. OC, and butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. If used with a fire damper (Items 5 through 5K) in the concealed space, no clearance is necessary between damper housing and spray foam insulation. Not evaluated for use with Items 6A through 6F.
SES FOAM INC — EasySeal.5, EasySeal ULD

3F. **Foamed Plastic*** — (As alternate to Item 3) — Spray foam insulation applied directly to the underside of the roofing system (Item 1). Spray foam insulation installed to a maximum thickness of 11 in. at a nominal 0.5 lb/ft³ - 2.5 lb/ft³ density, while maintaining a minimum 7 in. clearance between the spray foam insulation and the gypsum board (Item 7). When spray foam insulation is installed, resilient channels (Item 6) shall be installed maximum 12 in. OC, with channels adjacent to butt joints of gypsum board spaced maximum 3 in. away from gypsum butt joints. Gypsum board to be installed using minimum 1-1/4 in. long Type S screws, spaced maximum 8 in. OC, and butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. If used with a fire damper (Items 5 through 5K) in the concealed space, no clearance is necessary between damper housing and spray foam insulation. Only for use with item 6 not evaluated for use with alternates to item 6.
CARLISLE SPRAY FOAM INSULATION — Types SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite Pro No Trim 21, SealTite Pro One Zero, SealTite PRO HFO, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate 70, Foamsulate HFO, and Foamsulate HFO 2.0.

3G. **Foamed Plastic*** — (As an alternate to Item 3, 3A, 3B, 3C, or 3D, Not Shown) — Spray foam insulation applied directly to the underside of the underside of the roofing system (Item 1). Spray foam insulation installed to a maximum thickness of 17 in. at a nominal 0.5 lb/ft³ density, while maintaining a minimum 1-1/2 in. clearance between the spray foam insulation and the gypsum board (Item 7). When spray foam insulation is used, resilient channels (Item 6) shall be installed maximum 12 in. OC, with channels adjacent to butt joints of gypsum board (Item 7) installed at 6 in. OC to allow for maximum 3 in. spacing off ends of the gypsum board joints. Gypsum board (Item 7) to be installed using 1-1/4 in. long Type S screws, spaced maximum 8 in. OC, and butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. If used with a fire damper (Items 5 through 5K) in the concealed space, no clearance is necessary between damper housing and spray foam insulation. Not evaluated for use with Items 6A through 6F.

EVEREST SYSTEMS LLC — Opticell 0.5

4. **Air Duct*** — For use with **Ceiling Dampers*** - Any UL Class 0 or Class 1 flexible air duct installed in accordance with the instructions provided by the damper manufacturer.

5. **Ceiling Damper*** — Max nom area, 324 sq in. Max square size, 18 in. by 18 in. rectangular sizes not to exceed 324 sq in. with a max width of 18 in. Max damper height is 14 in. Installed in accordance with manufacturers installation instructions provided with the damper. Max damper openings not to exceed 162 sq in. per 100 sq ft of ceiling area.
C&S AIR PRODUCTS — Model RD-521

POTTORFF — Model CFD-521

5A. **Alternate Ceiling Damper*** — Max nom area, 196 sq in. Max square size, 14 in. by 14 in. Rectangular sizes not to exceed 196 sq in. with a max width of 26 in. Max overall damper height is 7 in. Installed in accordance with the manufacturers installation instructions provided with the damper. Max damper openings not to exceed 98 sq in. per 100 sq ft of ceiling area.
C&S AIR PRODUCTS — Model RD-521-BT

POTTORFF — Model CFD-521-BT.

5B. **Alternate Ceiling Damper*** — Max nom area shall be 256 sq in. with the length not to exceed 24 in. and the width not to exceed 20 in. Max height of damper shall be 17 in. Aggregate damper openings shall not exceed 128 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturers installation instructions provided with the damper. A steel grille shall be installed in accordance with installation instructions.
C&S AIR PRODUCTS — Model RD-521-IP, RD-521-NP

POTTORFF — Models CFD-521-IP, CFD-521-NP

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5C. **Alternate Ceiling Damper*** — Ceiling damper & fan assembly. Max nom area shall be 75 sq in. with the length not to exceed 8-9/16 in. and the width not to exceed 8-3/4 in. Max height of damper shall be 9-7/8 in. Aggregate damper openings shall not exceed 38 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturers installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.
DELTA ELECTRONICS INC — Models CRD2, GBR-CRD, ITG-CRD

5D. **Alternate Ceiling Damper*** — Ceiling damper & fan. Max nom area shall be 75 sq in. with the length not to exceed 9-1/4 in. and the width not to exceed 9-3/4 in. Max height of damper shall be 9-7/8 in. Aggregate damper openings shall not exceed 45 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.
DELTA ELECTRONICS INC — Model SIG-CRD

5E. **Alternate Ceiling Damper*** — Max nom area shall be 144 sq in. with the length not to exceed 14 in. and the width not to exceed 12 in. Max height of damper shall be 17-7/8 in. Aggregate damper openings shall not exceed 74 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturers installation instructions provided with the damper. A steel grille shall be installed in accordance with installation instructions.
C&S AIR PRODUCTS — Model RD-521-90, RD-521-NP90

POTTORFF — Models CFD-521-90, CFD-521-90NP

5F. **Alternate Ceiling Damper*** — Ceiling damper & fan assembly. Max nom area shall be 131 sq in. with the length not to exceed 11-1/16 in. and the width not to exceed 11-7/8 in. Aggregate damper openings shall not exceed 66 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.
DELTA ELECTRONICS INC — Model SMT-CRD

5G. **Alternate Ceiling Damper*** — Ceiling damper & fan assembly. Max nom area shall be 103 sq in. with the length not to exceed 10-1/8 in. and the width not to exceed 10-1/8 in. Aggregate damper openings shall not exceed 52 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.
PANASONIC CORPORATION, PANASONIC CORPORATION OF NORTH AMERICA — Model PC-RD05C5

5H. **Alternate Ceiling Damper*** — Ceiling damper & fan assembly. Max nom area shall be 113 sq in. with the length not to exceed 10-1/8 in. and the width not to exceed 11-1/8 in. Aggregate damper openings shall not exceed 57 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.
BROAN-NUTONE L L C — Model RDFUWT

5I. **Alternate Ceiling Damper*** — Ceiling damper & fan. Max nom area shall be 79 sq in. with the length not to exceed 10 in. and the width not to exceed 7-15/16 in. Aggregate damper openings shall not exceed 40 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A metallic grille shall be installed in accordance with installation instructions.
BROAN-NUTONE L L C — Models RDJ1 and RDH

5J. **Alternate Ceiling Damper*** — Ceiling damper & fan assembly. Max nom area shall be 87 sq in. with the length not to exceed 9 in. and the width not to exceed 9-11/16 in. Aggregate damper openings shall not exceed 44 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.
BROAN-NUTONE L L C — Model RDMWT

5K. **Alternate Ceiling Damper*** — Ceiling damper & fan assembly. Max nom area shall be 87 sq in. with the length not to exceed 9 in. and the width not to exceed 9-11/16 in. Aggregate damper openings shall not exceed 44 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.
BROAN-NUTONE L L C — Model RDMWT2

6. **Furring Channels** — Resilient channels formed of 25 MSG thick galv steel. Installed perpendicular to the trusses (Item 2), spaced a max of 16 in. OC when no insulation (Item 3 or 3A) is fitted in the concealed spaced, or a max of 12 in. OC when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane, or when insulation (Item 3B, 3D or 3E) is applied to the underside of the roofing system (Item 1). Two courses of resilient channel positioned 6 in. OC at wallboard butt-joints (3 in. from each end of wallboard). Channels oriented opposite at wallboard butt-joints. Channel splices overlapped 4 in. beneath wood trusses. Channels secured to each truss with 1-1/4 in. long Type S screws.

6A. **Steel Framing Members*** — (Not Shown) — As an alternate to Item 6, furring channels and Steel Framing Members as described below:
a. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 16 in. OC perpendicular to trusses when no insulation (Items 3 or 3A) is fitted in the concealed space or 12 in. OC when insulation (Items 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane or 24 in. OC when insulation (Items 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane and a second layer of gypsum board is attached as described in Item 7 for steel framing members. Channels secured to trusses as described in Item 6Ab. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap.

b. **Steel Framing Members** — Used to attach furring channels (Item a) to trusses (Item 2). Clips spaced 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to alternating trusses with No. 8 by 2-1/2 in. coarse drywall screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to alternating trusses with No. 8 by 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels. Adjoining channels are overlapped as described in Item 6Aa. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 7.
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75).

6B. **Steel Framing Members*** — (Not Shown) — As an alternate to Items 6 and 6A.
a. **Furring Channels** — Hat-shaped furring channels, 7/8 in. deep by 2-5/8 in. wide at the base and 1-1/4 in. wide at the face, formed from No. 25 ga. galv steel, spaced max 16 in. OC perpendicular to trusses and Cold Rolled Channels (Item 6Bb). Furring channels secured to Cold Rolled Channels at every intersection with a 1/2 in. pan head self-drilling screw through each furring channel leg. Ends of adjoining channels overlapped 4 in. and tied together with two double strand No. 18 SWG galv steel wire ties, one at each end of overlap. Supplemental furring channels at base layer and outer layer gypsum board butt joints are not required. Batts and Blankets draped over furring channels as described in Item 3. Two layers of gypsum board attached to furring channels as described in Item 7.

b. **Cold Rolled Channels** — 1-1/2 in. by 1/2 in., formed from No. 16 ga. galv steel, positioned vertically and parallel to trusses, friction-fitted into the channel caddy on the Steel Framing Members (Item 6Bd). Adjoining lengths of cold rolled channels lapped min. 6 in. and wire-tied together with two double strand 18 SWG galv steel wire ties, one at each end of overlap.

c. **Blocking** — Where truss design does not permit direct, full contact of the hanger bracket, a piece of nominal 2 by 4 in. lumber (blocking), min. 6 in. long to permit full contact of the hanger bracket, to be secured vertically to the side of the truss (Item 2) at the top and bottom of the blocking at each Steel Framing Member (Item 6Bd) location.

d. **Steel Framing Members*** — Hangers spaced 48 in. OC. max along truss, and secured to the Blocking (Item 6Bc) on alternating trusses with a single 5/16 in. by 2 in. hex head lag bolt or four #6 1-1/4 in. drywall screws through mounting hole(s) on the hanger bracket. The two 1/4 in. long steel teeth on the hanger are embedded in the side of the blocking. Hanger positioned on blocking and leveling bolt height adjusted such that furring channels are flush with bottom of trusses before gypsum board installation. Spring gauge of hanger chosen per manufacturer's instructions.
KINETICS NOISE CONTROL INC — Type ICW.

6C. **Steel Framing Members*** — (Not Shown) — As an alternate to Items 6, 6A and 6B.
a. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep installed perpendicular to wood structural members. Channels spaced a max of 16 in. OC when no insulation (Item 3 or 3A) is fitted in the concealed space or a max of 12 in. OC when insulation (Item 3 or 3A) is fitted in the concealed space. Channels secured to trusses as described in Item 6Cb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire near each end of overlap.

b. **Steel Framing Members*** — Used to attach furring channels (Item 6Ca) to trusses (Item 2). Clips secured to the bottom chord of each truss (48 in. OC) with one No. 8 by 2-1/2 in. long coarse drywall screw through center grommet. Furring channels are friction fitted into clips. Adjoining channels are overlapped as described in Item 6Ca. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 7.
PLITEQ INC — Type Genie Clip

6D. **Steel Framing Members*** — (Not Shown) — As an alternate to Items 6, 6A, 6B and 6C.
a. **Main runners** — Installed perpendicular to trusses — Nom 10 or 12 ft long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft OC. Main runners hung a min of 2 in. from bottom chord of trusses with 12 SWG galv steel wire. Wires located a max of 48 in. OC.

b. **Cross tees or channels** — Nom 4 ft long, 15/16 in. or 1-1/2 in. wide face or cross channels, nom 4 ft long, 1-1/2 wide face, installed perpendicular to the main runners, spaced 16 in. OC. Additional cross tees or channels used at 8 in. from each side of butted gypsum board end joints. The cross tees or channels may be riveted or screw-attached to the wall angle or channel to facilitate the ceiling installation.

c. **Wall angles or channels** — Used to support steel framing member ends and for screw-attachment of the gypsum wallboard — Min 0.016 in. thick painted or galvanized steel angle with 1 in. legs or min. 0.016 in. thick painted or galvanized steel channel with a 1 by 1-1/2 by 1 in. profile, attached to walls at perimeter of ceiling with fasteners 16 in. OC.
CGC INC — Type DGL or RX

USG INTERIORS LLC — Type DGL or RX

6E. **Alternate Steel Framing Members*** — (Not Shown) — As an alternate to items 6, 6A, 6B, and 6C, furring channels and Steel Framing Members as described below.
a. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-5/8 in. wide by 7/8 in deep, spaced 16 in OC, perpendicular to trusses. When insulation, Items 3 or 3A is used, the furring channel spacing shall be reduced to 12 in. OC. Channels secured to joists as described in Item b.

b. **Steel Framing Members*** — Used to attach furring channels (Item a) to the wood trusses (Item 2). Clips spaced at 48" OC and secured to the bottom of the trusses with one 2 in. Coarse Drywall Screw with 1 in. diam washer through the center hole. Furring channels are then friction fitted into clips. Ends of channels are overlapped 6" and tied together with double strand of No. 18 AWG galvanized steel wire. Additional clips are required to hold the Gypsum Butt joints as described in Item 7.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

6F. **Steel Framing Members*** — (Not Shown) — As an alternate to Items 6 through 6E- Not for use with Items 3 or 3A. Main runners nom 12 ft long, spaced 72 in. OC. Main runners suspended by min 12 SWG galv steel hanger wires spaced 48 in. OC. Cross tees, nom 6 ft long, installed perpendicular to main runners and spaced 24 in. OC. Additional 6 ft long cross tees required at each gypsum board end joint with butted gypsum board end joints centered between cross tees spaced 8 in. OC. The main runners and cross tees may be riveted or screw attached to the wall angle or channel to facilitate the ceiling installation.
USG INTERIORS LLC — Type DGL or RX

6G. **Resilient Channels** — For Use With Item 7B - Formed from min 25 MSG galv steel installed perpendicular to trusses and spaced 16 in. OC. Channels secured to each truss with 1-5/8 in. long Type S bugle head steel screws. Channels overlapped 4 in. at splices. Two channels, spaced 6 in. OC, oriented opposite each gypsum panel end joint. Additional channels shall extend min 6 in. beyond each side edge of panel. Insulation, Item 3C is applied over the resilient channel/gypsum panel ceiling membrane.

6H. **Alternate Steel Framing Members*** — (Not Shown) — As an alternate to items 6 through 6G, furring channels and Steel Framing Members as described below.
a. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-1/2 in. wide by 7/8 in deep, spaced 16 in OC, perpendicular to trusses. When insulation, Items 3 or 3A is used, the furring channel spacing shall be reduced to 12 in. OC. Channels secured to joists as described in Item b.

b. **Steel Framing Members*** — Used to attach furring channels (Item a) to the wood trusses (Item 2). Clips spaced at 48" OC and secured to the bottom of the trusses with one 2-1/2 in. Coarse Drywall Screw with 1 in. diam washer through the center hole. Furring channels are then friction fitted into clips. Ends of channels are overlapped 6" and tied together with double strand of No. 18 AWG galvanized steel wire. Additional clips are required to hold the Gypsum Butt joints as described in Item 7.
REGUPOL AMERICA — Type SonusClip

UL DESIGN NO. P522 - CONT'D.

7. **Gypsum Board*** — One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to trusses. Attached to the resilient channels using 1 in. long Type S bugle-head screws. Screws spaced a max of 12 in. OC along butted end-joints and in the field when no insulation (Item 3 or 3A) is fitted in the concealed spaced, or a max of 8 in. OC along butted end-joints and in the field when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane. When insulation (Item 3B, 3D or 3E) is installed in the concealed space, spray-applied to the underside of the roofing system (Item 1), screws are spaced a max of 8 in. OC along resilient channels, fasteners are increased in length to 1-1/4 in, and gypsum board butt joints shall be staggered min. 2 ft within the assembly, and occur between the main furring channels.
When **Steel Framing Members*** (Item 6A or 6C) are used, sheets installed with long dimension perpendicular to furring channels and side joints of sheet located beneath trusses. Gypsum board screws are driven through channel spaced 12 in. OC in the field when no insulation (Item 3 or 3A) is fitted in the concealed space, or 8 in. OC in the field when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane. Gypsum board butt joints shall be staggered min. 2 ft within the assembly, and occur between the main furring channels. At the gypsum board butt joints, each end of the gypsum board shall be supported by a single length of furring channel equal to the width of the wallboard plus 6 in. on each end. The furring channels shall be spaced approximately 3-1/2 in. OC, and be attached to the trusses with one clip at each end of the channel. Screw spacing along the butt joint to attach the gypsum board to the furring channels shall be 8 in. OC. Second (outer) layer of gypsum board required when furring channels (Item 6A, a) are spaced 24 in. OC and insulation is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane. Outer layer of gypsum board attached to the furring channels using 1-5/8 in. long Type S bugle-head screws spaced 8 in. OC at butted joints and 12 in. OC in the field. Butted end joints of outer layer to be offset a minimum of 8 in. from base layer end joints. Butted side joints of outer layer to be offset minimum 18 in. from butted side joints of base layer.

When **Steel Framing Members** (Item 6B) are used, two layers of nom 5/8 in. thick, 4 ft wide gypsum board are installed with long dimensions perpendicular to furring channels (Item 6Ba). Base layer attached to the furring channels using 1 in. long Type S bugle head steel screws spaced 8 in. OC along butted end joints and 12 in. OC in the field of the board. Butted end joints centered on the continuous furring channels. Butted base layer end joints to be offset a min of 16 in. in adjacent courses. Outer layer attached to the furring channels using 1-5/8 in. long Type S bugle head steel screws spaced 8 in. OC at butted end joints and 12 in. OC in the field. Butted end joints centered on the continuous furring channels and offset a min of 16 in. from butted end joints of base layer. Butted side joints of outer layer to be offset min 16 in. from butted side joints of base layer.

When **Steel Framing Members** (Item 6C) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board is installed with long dimensions perpendicular to furring channels. Gypsum board secured to furring channels with nom 1 in. long Type S bugle-head steel screws spaced 8 in. OC in the field of the board. Gypsum board butted end joints shall be staggered minimum 72 in. At the gypsum board butt joints, each end of each gypsum board shall be supported by a single length of furring channel equal to the width of the gypsum board plus 3 in. on each end, spaced approximately 2 in. in from joint. Screw spacing along the gypsum board butt joint shall be 8 in. OC. Butt joint furring channels shall be attached with a RESILMOUNT Sound Isolation Clip secured to underside of every truss that is located over the butt joint. Over all Gypsum Board side joints, approximately 20 in. lengths of furring channel shall be installed parallel to trusses (Item 2) between main furring channels. Side joint furring channels shall be attached to underside of the joist with RESILMOUNT Sound Isolation Clips - located approximately 2 in. from each end of the approximate 20 in. length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint edge.

When **Steel Framing Members** (Item 6E) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board is installed with long dimensions perpendicular to furring channels. Gypsum board secured to furring channels with nom 1 in. long Type S bugle-head steel screws spaced 8 in. OC in the field of the board. Gypsum board butted end joints shall be staggered minimum 48 in. and centered over main furring channels. At the gypsum board butt joints, each end of each gypsum board shall be supported by a single length of furring channel equal to the width of the gypsum board plus 3 in. on each end. The two support furring channels shall be spaced approximately 3 in. in from end joint. Screw spacing along the gypsum board butt joint and along both additional channels shall be 8 in. OC. Additional screws shall be placed in the adjacent section of gypsum board into the aforementioned 3 in. extension of the extra butt joint channels as well as into the main channel that runs between. Butt joint furring channels shall be attached with one RESILMOUNT Sound Isolation Clip at each end of the channel.

When alternate **Steel Framing Members*** (Item 6F) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board sheets installed with long dimension (side joints) perpendicular to the 6 ft long cross tees with the end joints staggered min 4 ft and centered between cross tees which are spaced 8 in. OC. Gypsum board side joints may occur beneath or between main runners. Prior to installation of the gypsum board sheets, backer strips consisting of nom 7-3/4 in. wide pieces of gypsum board are to be laid atop the cross tee flanges and centered over each butted end joint location. The backer strips are to be secured to the flanges of the cross tees at opposite corners of the backer strip with hold down clips to prevent the backer strips from being uplifted during screw-attachment of the gypsum board sheets. Gypsum board fastened to cross tees with 1 in. drywall screws spaced 1 in. and 4 in. from the side joints and max 8 in. OC in the field of the board. The butted end joints are to be secured to the backer strip with No. 10 by 1-1/2 in. long Type G laminating screws located 1 in. from each side of the butted end joint and spaced 1 in. and 4 in. from the side joints and max 8 in. OC in the field of the board.

When **Steel Framing Members** (Item 6H) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board is installed with long dimensions perpendicular to furring channels. Gypsum board secured to furring channels with nom 1 in. long Type S bugle-head steel screws spaced 8 in. OC in the field of the board. Gypsum board butted end joints shall be staggered minimum 48 in. and centered over main furring channels. At the gypsum board butt joints, an additional single length of furring channel shall be installed and be spaced approximately 3 in. from the butt joint (6 in. from the continuous furring channels) to support the floating end of the gypsum board. Each of these shorter sections of furring channel shall extend one truss beyond the width of the gypsum panel and be attached to the adjacent trusses with one SonusClip at every truss involved with the butt joint.
CGC INC — Types C, IP-X2, IPC-AR

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR

USG BORAL DRYWALL SFZ LLC — Type C

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

7A. **Gypsum Board*** — For use with Steel Framing Members (Item 6D) when Batts and Blankets* (Item 3) are not used - One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to the main runners. Gypsum board fastened to each cross tee or channel with five wallboard screws, with one screw located at the midspan of the cross tee or channel, one screw located 12 in. from and on each side of the cross tee or channel mid span and one screw located 1-1/2 in. from each gypsum board side joint. Except at wallboard end joints, wallboard screws shall be located on alternating sides of cross tee flange. At gypsum board end joints, gypsum board screws shall be located 1/2 in. from the joint. Gypsum board fastened to main runners with wallboard screws 1/2 in. from side joints, midway between intersections with cross tees or channels (16 in. OC). End joints of adjacent gypsum board sheets shall be staggered not less than 32 in. Gypsum board sheets screw attached to leg of wall angle with wallboard screws spaced 12 in. OC. Joints treated as described in Item 7. For use with **Steel Framing Members*** (Item 6D) when **Batts and Blankets*** (Item 3) are used - Ratings limited to 1 Hour - 5/8 in. thick, 4 ft wide; installed with long dimension perpendicular to cross tees with side joints centered along main runners and end joints centered along cross tees. Fastened to cross tees with 1 in. long steel gypsum board screws spaced 8 in. OC in the field and 8 in. OC along end joints. Fastened to main runners with 1 in. long gypsum board screws spaced midway between cross tees. Screws along sides and ends of boards spaced 3/8 to 1/2 in. from board edge. End joints of the sheets shall be staggered with spacing between joints on adjacent boards not less than 4 ft OC.
CGC INC — Type C or IP-X2

UNITED STATES GYPSUM CO — Type C or IP-X2

USG BORAL DRYWALL SFZ LLC — Type C

USG MEXICO S A DE C V — Type C or IP-X2

7B. **Gypsum Board*** — For use with Items 3C and 6G. Nom 5/8 in. thick, 48 in. wide gypsum panels installed with long dimension perpendicular to resilient channels. Gypsum panels secured with 1 in. long Type S bugle head steel screws spaced 8 in. OC and located a min of 1/2 in. from side joints and 3 in. from the end joints. Finish Rating with this ceiling system is 20 min.
CGC INC — Type ULIX

UNITED STATES GYPSUM CO — Type ULIX

8. **Finishing System** — (Not Shown) — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board.
Alternate Ceiling Membrane — Not Shown.

9. **Netting** — Fibrous, woven netting material fastened to underside of each joist with staples, with side joints overlapped.

*** 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 2023-12-01

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

SCHENKEL SHULTZ
9510 Corkscrew Palms Circle, Unit 1
Estero, FL 33928,USA
voice (239) 208-4846
SS Lic. No. AA-C000937
www.schenkelshultz.com

REVISIONS		
MARK	DESCRIPTION	DATE

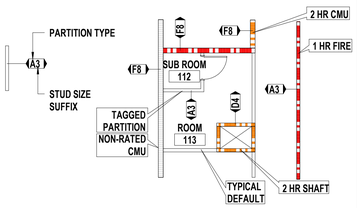
COMM. NO.: 2023820
ISSUE DATE: 01.05.2024
DRAWN BY: NW

UL ASSEMBLIES

G022
100% CONSTRUCTION DOCUMENTS

PARTITION TAG EXAMPLE

PARTITION IDENTIFICATION EXAMPLE

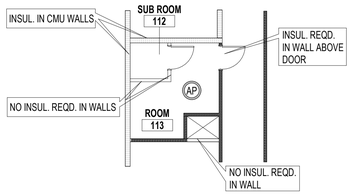


- GRAPHIC PARTITIONS ARE CALLED OUT FOR CLARIFICATION OF EXAMPLE ONLY AND MAY NOT BE CALLED OUT ON PLANS.
- RATINGS AS SHOWN WILL BE INDICATED ON LIFE SAFETY PLANS ONLY.

PARTITION ID DIAGRAM

NOT TO SCALE

ACOUSTIC PARTITION EXAMPLE



NOTE: REFER TO SOUND ATTENUATION SCHEDULE FOR TYPE OF INSULATION REQUIRED.
SOUND ATTENUATION BATTS SHOWN FOR CLARIFICATION OF EXAMPLE ONLY AND WILL NOT BE GRAPHICALLY INDICATED ON PLANS

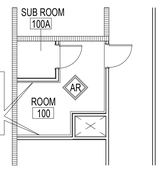
ACOUSTIC PARTITION DIAGRAM

NOT TO SCALE

ABUSE RESISTANT GYPSUM BOARD EXAMPLE

PROVIDE ABUSE RESISTANT GYP. BD. TO HT. INDICATED IN GYP. BD. SCHED. ON TAGGED ROOM SIDE OF ALL GYP. BD. PARTITIONS.

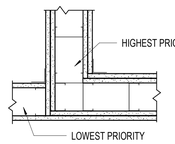
IMPACT RESISTANT SIMILAR BUT WITH IR TAG. IR



NOTE: DASHED LINE AT ABUSE RESISTANT GYP. BD. SHOWN FOR CLARIFICATION OF EXAMPLE ONLY AND WILL NOT BE SHOWN ON PLANS

ABUSE RESISTANT GYP. BD. DIAGRAM

NOT TO SCALE



PARTITION PRIORITIES

TWO HOUR FIRE AND SMOKE WALL	PRIORITY 1 (HIGHEST)
TWO HOUR FIRE WALL TWO HOUR SHAFT WALL	PRIORITY 2
ONE HOUR FIRE AND SMOKE WALL	PRIORITY 3
ONE HOUR FIRE WALL ONE HOUR SHAFT WALL	PRIORITY 4
SMOKE TIGHT WALL	PRIORITY 5
NON-RATED WALL	PRIORITY 6 (LOWEST)

PARTITION PRIORITY DIAGRAM

NOT TO SCALE

TYPE "X" 5/8" GYPSUM BOARD	ALL LOCATIONS UNLESS NOTED BELOW OR DETAILED OTHERWISE
5/8" ABUSE RESISTANT GYPSUM BOARD	REFER TO FLOORPLANS FOR AR TAG. PROVIDE ABUSE RESISTANT GYP. BD. ON ALL WALLS ENCLOSING TAGGED ROOM TO 4'-0" A.F.F. UNLESS NOTED OTHERWISE. SEE ABUSE RESISTANT DIAGRAM.
5/8" IMPACT RESISTANT GYPSUM BOARD	REFER TO FLOORPLANS FOR IR TAG. PROVIDE IMPACT RESISTANT GYP. BD. ON ALL WALLS ENCLOSING TAGGED ROOM TO 4'-0" A.F.F. UNLESS NOTED OTHERWISE. SEE ABUSE RESISTANT DIAGRAM.
5/8" MOISTURE AND MOLD RESISTANT GYPSUM BOARD	"WET WALLS" NOT RECEIVING TILE WITH PLUMBING FIXTURES SUCH AS DRINKING FOUNTAINS, WATER CLOSETS, LAVATORIES, URINALS AND SIMILAR.
1/2" TILE BACKER BOARD	ALL WALLS RECEIVING TILE, U.N.O.
1/2" CEMENTITIOUS BACKER BOARD	WALLS EXPOSED DIRECTLY TO RUNNING WATER AND SCHEDULED TO RECEIVE TILE. - BATHTUBS, SHOWERS, SAUNAS, WATER THERAPY, ETC. NOTE: CEMENT BD. SHALL BE APPLIED OVER PARTITIONS WATER RESISTANT OR GLASS MAT GYPSUM BOARD AT RATED WALLS.

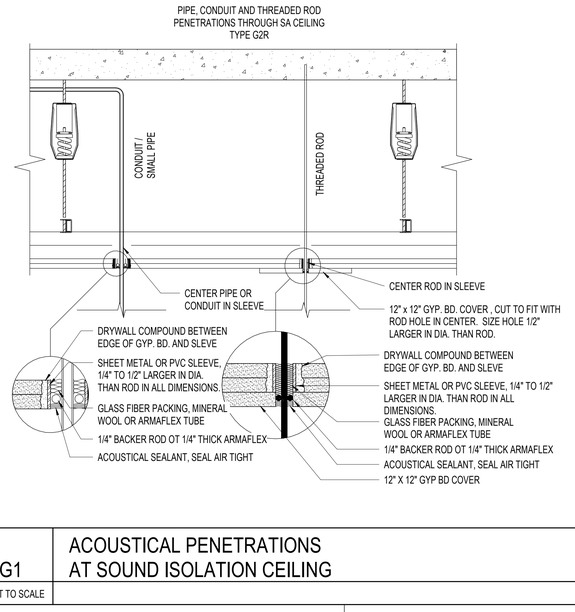
GYPSUM BOARD SCHEDULE

NOT TO SCALE

MISCELLANEOUS STUFFING INSULATION	WHERE DETAILED AND/OR NOTED, TO INFILL OPENINGS IN NON-RATED WALLS AROUND PIPES, STRUCTURAL COMPONENTS, CONDUITS AND SIMILAR. TO SEAL TOPS OF NON-RATED MASONRY WALLS TO DECK, AT EXPANSION JOINTS TO INSULATE.
UNFACED BATT INSULATION	WHERE DETAILED AND/OR NOTED, WITHIN STUD CAVITY OF ALL EXTERIOR WALLS WHERE INSULATION IS ENCAPSULATED UNLESS NOTED OR DETAILED OTHERWISE.
SEMI-RIGID FIBERGLASS INTERIOR INSULATION	WHERE DETAILED AND/OR NOTED, AT ALL EXTERIOR WALLS WHERE INSULATION IS NOT ENCAPSULATED UNLESS NOTED OR DETAILED OTHERWISE.
SOUND ATTENUATION BLANKETS (SAB)	WHERE DETAILED AND/OR NOTED, AT ALL NON-RATED PARTITIONS INDICATED TO BE ACOUSTICAL. REFER TO ACOUSTICAL PARTITION SCHEDULE AND PLANS FOR AP TAG.
MINERAL WOOL INSULATION	WHERE DETAILED AND/OR NOTED, AT ALL FIRE RATED PARTITIONS INDICATED TO BE ACOUSTICAL. REFER TO ACOUSTICAL PARTITION SCHEDULE AND PLANS FOR AP TAG.
SPRAY POLYURETHANE FOAM	WHERE DETAILED AND/OR NOTED, AT ALL **MASONRY** PARTITIONS INDICATED TO BE ACOUSTICAL. REFER TO ACOUSTICAL PARTITION SCHEDULE AND PLANS FOR AP TAG.

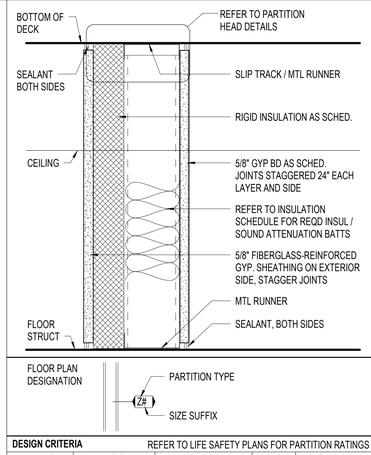
INSULATION SCHEDULE

NOT TO SCALE



G1 ACOUSTICAL PENETRATIONS AT SOUND ISOLATION CEILING

NOT TO SCALE

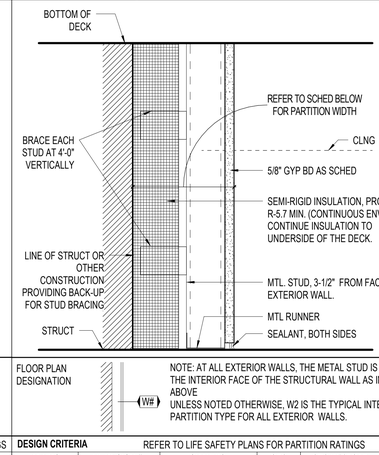


FLOOR PLAN DESIGNATION — Z# — PARTITION TYPE / SIZE SUFFIX

DESIGN CRITERIA	REFER TO LIFE SAFETY PLANS FOR PARTITION RATINGS			
RATING	UL DESIGN #	GRAPHIC	STC	STC W/ 3" SAB
NON-RATED	N/A		N/A	N/A

CONSTRUCTION			
SUFFIX	STUD SIZE	OVERALL WIDTH	REMARKS
1	1 5/8"	4 7/8" *	* REFER TO UL FOR MIN. GYP BD THICKNESS AND REQ'D INSULATION.
2	2 1/2"	5 3/4" *	
3	3 5/8"	6 7/8"	
4	4"	7 1/4"	
6	6"	9 1/4"	
8	8"	11 1/4"	

PARTITION TYPE Z

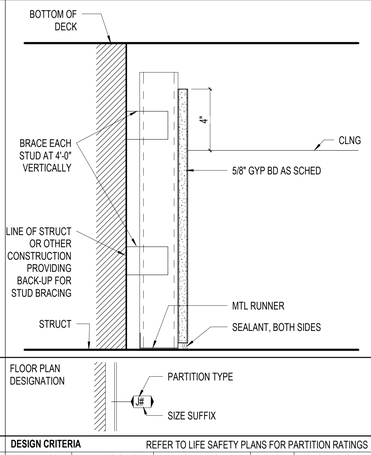


FLOOR PLAN DESIGNATION — W# — NOTE: AT ALL EXTERIOR WALLS, THE METAL STUD IS 3" FROM THE INTERIOR FACE OF THE STRUCTURAL WALL AS INDICTED ABOVE
UNLESS NOTED OTHERWISE, W2 IS THE TYPICAL INTERIOR PARTITION TYPE FOR ALL EXTERIOR WALLS.

DESIGN CRITERIA	REFER TO LIFE SAFETY PLANS FOR PARTITION RATINGS			
RATING	UL DESIGN #	GRAPHIC	STC	STC W/ 3" SAB
NON-RATED	N/A		N/A	N/A

CONSTRUCTION			
SUFFIX	STUD SIZE	OVERALL WIDTH	REMARKS
1	1 5/8"	5 3/4"	NOTE: WALLS WITH PLASTER FINISH ARE IDENTIFIED WITH "W#p" THICKNESS IS NOT SHOWN FOR CLARITY IN FLOOR PLAN
2	2 1/2"	6 5/8"	
3	3 5/8"	7 3/4"	
4	4"	8 1/4"	
6	6"	10 1/4"	

PARTITION TYPE W

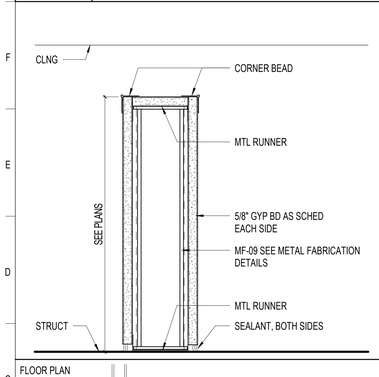


FLOOR PLAN DESIGNATION — J# — PARTITION TYPE / SIZE SUFFIX

DESIGN CRITERIA	REFER TO LIFE SAFETY PLANS FOR PARTITION RATINGS			
RATING	UL DESIGN #	GRAPHIC	STC	STC W/ 3" SAB
NON-RATED	N/A		N/A	N/A

CONSTRUCTION			
SUFFIX	STUD SIZE	OVERALL WIDTH	REMARKS
0	7/8" HAT CHANNEL	1 1/2"	
1	1 5/8"	3"	
2	2 1/2"	4"	
3	3 5/8"	5"	
4	4"	6"	
6	6"	8"	

PARTITION TYPE J

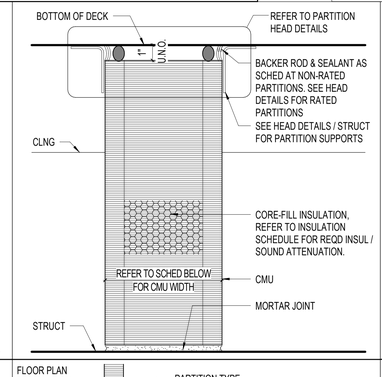


FLOOR PLAN DESIGNATION — H# — 48" — INDICATES HT OF PARTITION

DESIGN CRITERIA	REFER TO LIFE SAFETY PLANS FOR PARTITION RATINGS			
RATING	UL DESIGN #	GRAPHIC	STC	STC W/ 3" SAB
NON-RATED	N/A		N/A	N/A

CONSTRUCTION			
SUFFIX	STUD SIZE	OVERALL WIDTH	REMARKS
3	3 5/8"	4 7/8"	
4	4"	5 1/4"	
6	6"	7 1/4"	
8	8"	9 1/4"	

PARTITION TYPE H

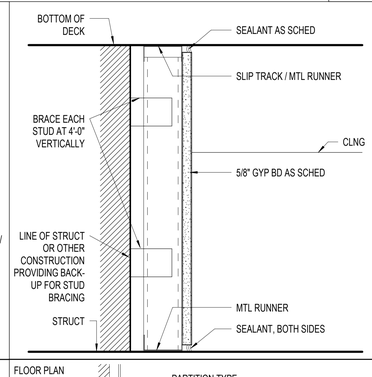


FLOOR PLAN DESIGNATION — F# — PARTITION TYPE / SIZE SUFFIX

DESIGN CRITERIA	REFER TO LIFE SAFETY PLANS FOR PARTITION RATINGS			
RATING	UL DESIGN #	GRAPHIC	STC	STC W SOUND
NON-RATED	N/A		45	53
SMOKE RES.	N/A		45	53
1 HR. MIN.	U905		45	53

CONSTRUCTION			
SUFFIX	CMU WIDTH	OVERALL WIDTH	REMARKS
4	3 5/8"	3 5/8" *	* SOLID UNITS ONLY AT RATED WALL ** SEE EQUIV. THICKNESS TABLE AT RATED WALL
6	5 5/8"	5 5/8" **	
8	7 5/8"	7 5/8"	
10	9 5/8"	9 5/8"	
12	11 5/8"	11 5/8"	

PARTITION TYPE F

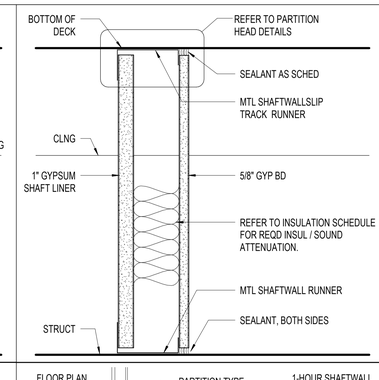


FLOOR PLAN DESIGNATION — E# — PARTITION TYPE / SIZE SUFFIX

DESIGN CRITERIA	REFER TO LIFE SAFETY PLANS FOR PARTITION RATINGS			
RATING	UL DESIGN #	GRAPHIC	STC	STC W/ 3" SAB
NON-RATED	N/A		N/A	N/A

CONSTRUCTION			
SUFFIX	STUD SIZE	OVERALL WIDTH	REMARKS
0	7/8" HAT CHANNEL	1 1/2"	
1	1 5/8"	3"	
2	2 1/2"	4"	
3	3 5/8"	5"	
4	4"	6"	
6	6"	8"	

PARTITION TYPE E

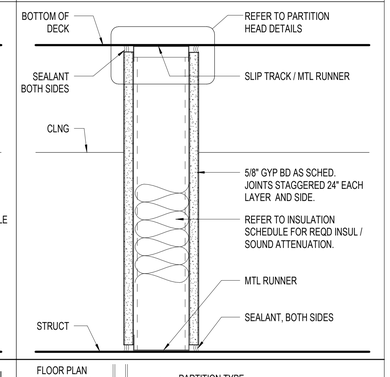


FLOOR PLAN DESIGNATION — C# — PARTITION TYPE / SIZE SUFFIX — 1-HOUR SHAFTWALL

DESIGN CRITERIA	REFER TO LIFE SAFETY PLANS FOR PARTITION RATINGS				
RATING	UL DESIGN #	GRAPHIC	STC	STC W/ 3" SAB	
1 HR.	U415 - SYSTEM A		40	49	

CONSTRUCTION			
SUFFIX	STUD SIZE	OVERALL WIDTH	REMARKS
2	2 1/2"	3 1/8"	AT WALLS TO RECEIVE TILE USE U415 - SYSTEM D, ADD THICKNESS OF CEMENT BD
4	4"	4 5/8"	
6	6"	6 5/8"	

PARTITION TYPE C



FLOOR PLAN DESIGNATION — A# — PARTITION TYPE / SIZE SUFFIX

DESIGN CRITERIA	REFER TO LIFE SAFETY PLANS FOR PARTITION RATINGS			
RATING	UL DESIGN #	GRAPHIC	STC	STC W/ 3" SAB
NON-RATED	N/A		40	49
SMOKE RES.	N/A		40	49
30 MIN	U423		40	49

CONSTRUCTION			
SUFFIX	STUD SIZE	OVERALL WIDTH	REMARKS
1	1 5/8"	2 7/8" *	* REFER TO UL FOR MIN. GYP BD THICKNESS AND REQ'D INSULATION.
2	2 1/2"	3 3/4" *	
3	3 5/8"	4 7/8"	
4	4"	5 1/4"	
6	6"	7 1/4"	
8	8"	9 1/4"	

PARTITION TYPE A

WALL RATING LEGEND

GRAPHIC PATTERN	WALL RATING
	SMOKE
	30 MIN
	1 - HOUR

GENERAL NOTES - PARTITIONS

1. PARTITIONS ARE DISTINGUISHED ON FLOOR PLANS BY GRAPHIC AND TWO-PART SYMBOL DESIGNATIONS. THE ALPHANUMERIC SYMBOL INDICATES THE PARTITION TYPE AND THE NUMERIC CHARACTER DESIGNATES THE STUD, CMU OR CONCRETE WIDTH. REFER TO THE PARTITION TYPE DIAGRAMS.
2. PARTITIONS REQUIRED TO BE SMOKE AND/OR FIRE RESISTANT ARE DISTINGUISHED GRAPHICALLY ON THE LIFE SAFETY PLANS. REFER TO THE FIRE & SMOKE RESISTANCE LEGEND.
3. FLR, CLNG AND STRUCT DELINEATED IN THE partition TYPE SECTIONS ARE DIAGRAMMATIC AND DO NOT REFLECT EXACT CONSTRUCTION CONDITIONS OR GEOMETRY.
4. GYPSUM BOARD TYPES INDICATED IN THE PARTITION TYPE SECTIONS IS TYPICAL UNLESS NOTED OTHERWISE IN THE GYPSUM BOARD SCHEDULE FOR THE PARTITION LOCATION (EXAMPLE: TYPE "A3" PARTITION AT A WET WALL WILL RECEIVE 5/8" MOISTURE AND MOLD RESISTANT GYP BD IN LIEU OF 5/8" GYP BD; TYPE "A3" PARTITION SCHEDULED TO RECEIVE TILE WILL HAVE ½" TILE BACKER IN LIEU OF 5/8" GYP BD).
5. REFER TO PARTITION HEAD DETAILS FOR CONSTRUCTION AT RATED PARTITIONS. WHERE A SPECIFIC DETAIL IS NOTE PROVIDED, COORDINATE WITH ARCHITECT.
6. ALL DIMENSIONS ARE FROM FACE OF GYPSUM BOARD TO FACE OF GYPSUM BOARD. REFER TO PARTITION TYPE MATRICES FOR PARTITION WIDTH DIMENSIONS UNLESS INDICATED TO BE SHOWN ON PLANS.
7. SEALANT: REFER TO THE SEALANT SCHEDULE FOR SEALANT TYPES AT ALL PARTITIONS. ALL PARTITIONS SHALL HAVE SCHEDULED SEALANT AT THE HEAD, SILL, THRU-PENETRATIONS, OPENINGS AND JUNCTURES WITH DISSIMILAR MATERIALS.
8. INSULATION: REFER TO INSULATION SCHEDULE FOR INSULATION TYPE AT ALL PARTITIONS.
9. FOR PARTITIONS DESIGNATED TO RECEIVE SOUND ATTENUATION BLANKETS (SAB), EXTEND SAB TO FULL HEIGHT OF PARTITION U.N.O. FLOOR TRACK TO BE SET IN A CONT BED OF SCHEDULED SEALANT.
10. IF NO SYMBOL DESIGNATION IS PROVIDED, STUD WALLS SHALL BE TYPE A3 AND MASONRY WALLS SHALL BE TYPE F8.
11. REFER TO SPECIFICATIONS MINIMUM STUD THICKNESS, MAXIMUM SPACING AND ALLOWABLE LIMITING HEIGHTS AND DEFLECTION CRITERIA FOR GYPSUM BOARD ASSEMBLIES.
12. FIRE RESISTANT AND SMOKE RESISTANT SMOKE BARRIER RATINGS ARE TO SURROUND ALL OPENINGS IN RATED PARTITIONS.
13. SMOKE RESISTANT, FIRE RESISTANT AND FIRE RESISTANT SMOKE BARRIER PARTITIONS SHALL EXTEND AND SEAL TO THE INSIDE FACE OF EXTERIOR SHEATHING, INCLUDING EXTENSIONS THROUGH SOFFITS.
14. EACH NEW FIRE WALL, FIRE PARTITION, SMOKE BARRIER, SMOKE PARTITION, OR ANY OTHER NEW WALL REQUIRED TO HAVE PROTECTED OPENINGS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING ABOVE ANY DECORATIVE CEILING AND IN CONCEALED SPACES WITH THE WORDING, "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS." SUCH SIGNS OR STENCILING SHALL BE IN 4 INCH HIGH LETTERS, 1/2 INCH STROKE, AND NOT MORE THAN 15 FEET ON CENTER OR AS REQUIRED BY LOCAL CODE.
15. REFER TO STRUCTURAL DRAWINGS FOR REINFORCING INFORMATION.
16. REFER TO CASEWORK AND TOILET ACCESSORY SHEETS FOR MOUNTING INFORMATION AND BACKING REQUIREMENTS.
17. DO NOT UTILIZE BULLNOSE BLOCK AT CMU WALLS DESIGNATED TO RECEIVE CORNER GUARDS.
18. ALL PENETRATIONS THRU FIRE OR SMOKE RATED PARTITION SHALL BE SEALED TO MAINTAIN THE INTEGRITY OF THE PARTITION RATING. REFER TO SEALANT SCHEDULE.
19. ALL PENETRATIONS THRU SOUND RATED PARTITION SHALL BE SEALED TO MAINTAIN THE INTEGRITY OF THE PARTITION RATING. REFER TO SEALANT SCHEDULE.

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
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SANIBEL, FLORIDA 33957

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PARTITION TYPES & NOTES

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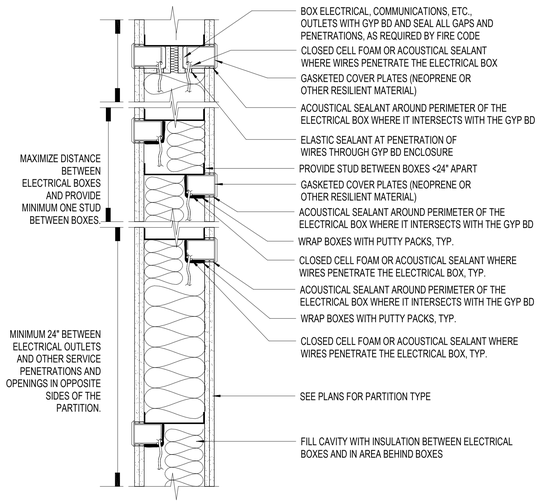
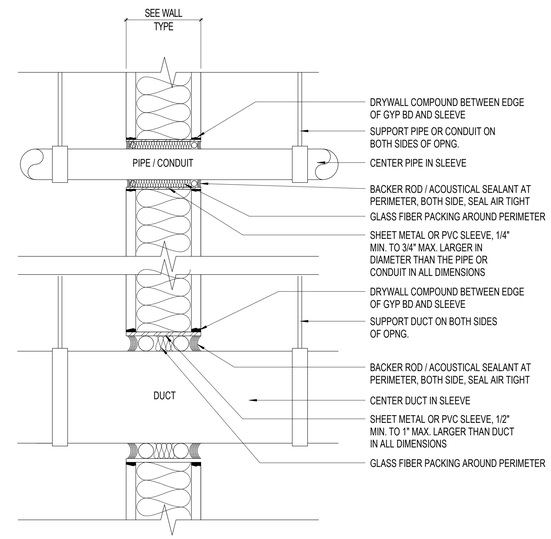


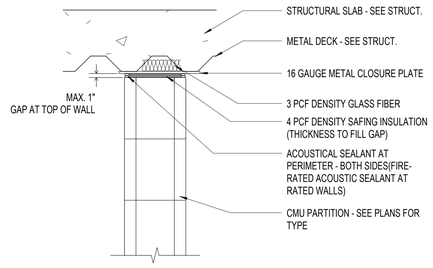
L1 — PENETRATIONS AT ACOUSTICAL PARTITONS 2

1 1/2" = 1'-0"



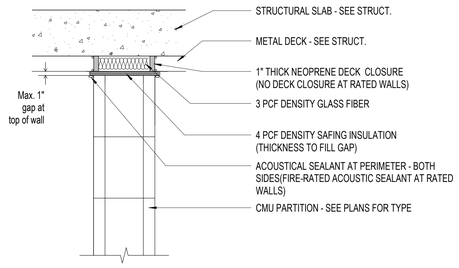
E1 — PENETRATIONS AT ACOUSTICAL PARTITIONS

3" = 1'-0"



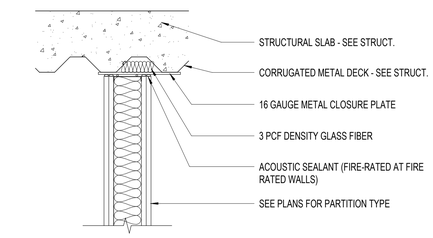
M7 — ACOUSTICAL CMU WALL AT DECK - PARALLEL

1 1/2" = 1'-0"



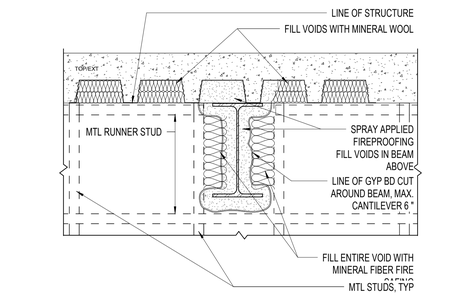
M11 — ACOUSTIC CMU WALL AT DECK - PERPENDICULAR

1 1/2" = 1'-0"



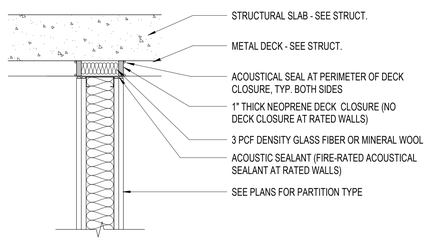
L7 — ACOUSTICAL WALL AT DECK - PARALLEL

1 1/2" = 1'-0"



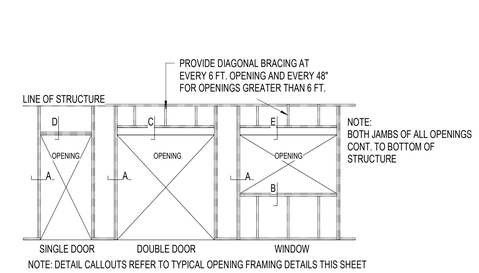
L11 — HEAD AT RATED PARTITION PERPENDICULAR TO BEAM

1 1/2" = 1'-0"



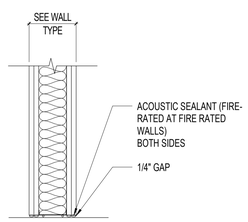
E7 — ACOUSTICAL WALL AT DECK - PERPENDICULAR

1 1/2" = 1'-0"



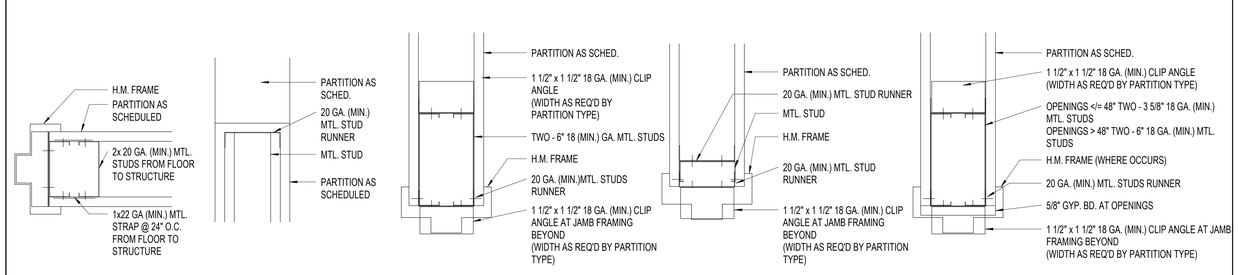
E11 — TYPICAL METAL STUD PARTITION DETAILS

1/4" = 1'-0"



A1 — ACOUSTICAL WALL AT PLATE

1 1/2" = 1'-0"



A - DOOR JAMB | B - SILL | C - DOUBLE DOOR HEADER | D - SINGLE DOOR HEADER | E - WINDOW / GYP. BD. OPENING HEADER

A5 — TYPICAL OPENING FRAMING DETAILS

3" = 1'-0"

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TYPICAL PARTITION DETAILS

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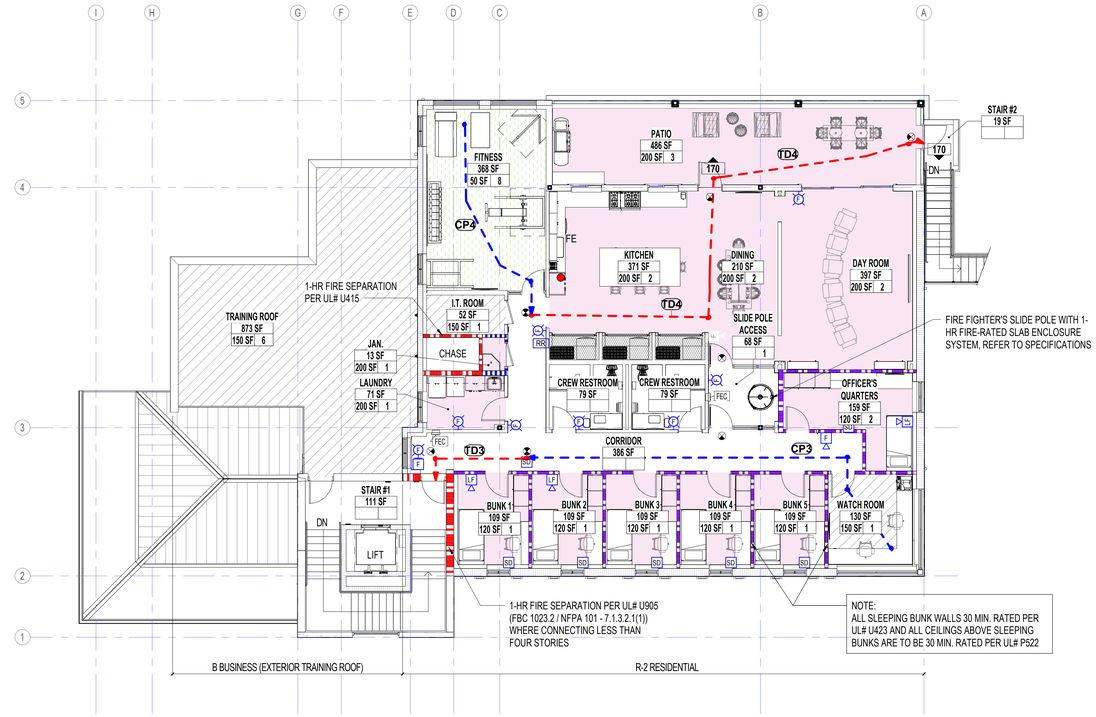
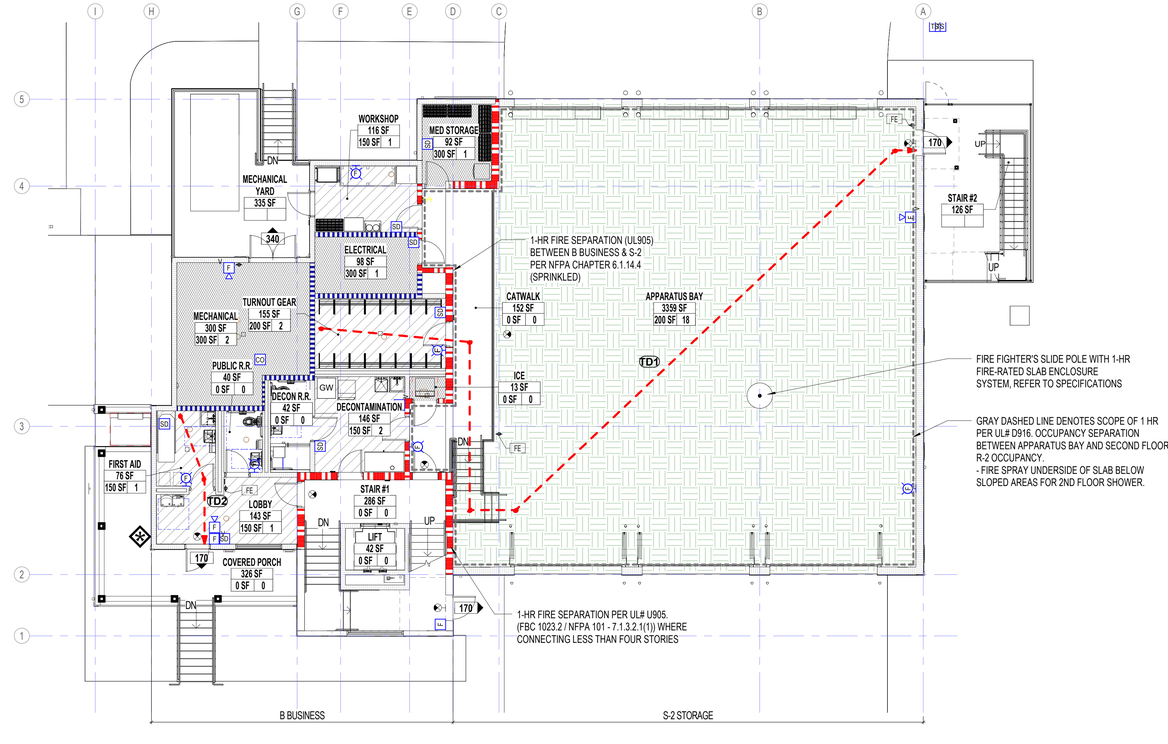


I1 LIFE SAFETY PLAN - SECOND FLOOR

1/8" = 1'-0"



TOTAL OCCUPANT LOAD:

APPARATUS/ GROUND FLOOR:

STORAGE: 3,654 SF/200 = 19 OCCUPANTS
BUSINESS: 1,356 SF/150 = 10 OCCUPANTS

2ND FLOOR:

RESIDENTIAL: 3,728 SF/200 = 19 OCCUPANTS
TRAINING ROOF: 873 SF/ 150 = 6 OCCUPANTS

TOTALREQUIRED:
19 + 10 + 19 + 6 = 54 OCCUPANTS

TOTAL EXIT CAPACITY PROVIDED:

GROUND FLOOR EXITING CAPACITY: 510 OCCUPANTS
SECOND FLOOR EXITING CAPACITY: 340 OCCUPANTS

A1 LIFE SAFETY PLAN - FIRST FLOOR

1/8" = 1'-0"

GRAPHIC PATTERN / **WALL RATING**

- DENOTES SMOKE PARTITION
- DENOTES 30 MINUTE FIRE RATED CONSTRUCTION
- DENOTES 1 HOUR FIRE RATED CONSTRUCTION

- PATH ID — MAXIMUM TRAVEL DISTANCE PATH
- PATH ID — COMMON PATH OF TRAVEL
- PRIMARY EGRESS
- EXIT SIGN - CEILING MOUNT
- EXIT SIGN - WALL MOUNT
- FE — FIRE EXTINGUISHER ON WALL BRACKET
- FEC — FIRE EXTINGUISHER IN SEMI-RECESSED CABINET
- LOCK BOX- EXACT LOCATION TO BE COORDINATED WITH LOCAL FIRE DEPARTMENT. MOUNTING HT. 4'-0" A.F.F., TIE TO FIRE ALARM

ROOM CAPACITY TAG

NAME
SF
/

- ROOM NAME
- NET OR GROSS ROOM AREA PER LIFE SAFETY CODE
- ROOM OCCUPANT CAPACITY
- OCCUPANCY MODIFIER PER LIFE SAFETY CODE

STAIR CAPACITY TAG

1911 — EGRESS CAPACITY PER CODE

DOOR CAPACITY TAGS

1340 — EGRESS CAPACITY PER CODE

1340 — ARROW INDICATES DIRECTION OF TRAVEL

GENERAL NOTES:

1. BUILDING IS FULLY SPRINKLED.
2. REFER TO ELECTRICAL SYSTEM DRAWINGS FOR THE LOCATION OF HEAT AND SMOKE DETECTORS.
3. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF FIRE AND SMOKE DAMPERS.
4. COORDINATE WITH ELECTRICAL DRAWINGS FOR EXACT LOCATION OF EMERGENCY LIGHTING, FIRE ALARM STROBES, AND PULL STATIONS.
5. REFER TO TRAVEL DISTANCE SCHEDULE FOR TRAVEL DISTANCES.
6. ALL SIGNAGE INCLUDING MAXIMUM OCCUPANCY, FIRE EXTINGUISHER INSIDE, EXIT DIAGRAMS, ETC. TO BE IN ACCORDANCE WITH F.B.C. STANDARDS AND REQUIREMENTS.
7. THE REQUIRED FIRE RESISTANCE OF THE ROOF / CEILING ASSEMBLY INCLUDING BEAMS, GIRDERS, TRUSSES OR JOISTS THAT SUPPORT THE ROOF ONLY MAY BE OMITTED WHERE EVERY PART OF THE ROOF CONSTRUCTION IS 20 FEET OF MORE ABOVE ANY FLOOR IMMEDIATELY BELOW (F.B.C. TABLE 601, EXCEPTION b).
8. REFER TO DOOR SCHEDULE FOR DOOR / FRAME ASSEMBLY FIRE RESISTANCE RATINGS FOR RESPECTIVE FIRE AND SMOKE BARRIERS AND PARTITIONS.
9. ALL RATED PARTITIONS SHALL EXTEND TO THE UNDERSIDE OF DECK ABOVE U.N.O.
10. ALL EXIT SIGNS WILL BE THE ILLUMINATED TYPE, SEE ELECTRICAL.
11. IT IS THE DESIGN INTENT THAT ALL CEILING DEVICES BE LOCATED IN THE CENTER OF CEILING TILES.

PATH OF TRAVEL

PATH ID	LEVEL	LENGTH
CP3	SECOND FLOOR	55' - 7"
CP4	SECOND FLOOR	28' - 5"
TD1	GROUND FLOOR (13' NAVD)	118' - 3"
TD2	GROUND FLOOR (13' NAVD)	17' - 2"
TD3	SECOND FLOOR	14' - 8"
TD4	SECOND FLOOR	69' - 3"

OCCUPANCY LOAD CLASSIFICATION PER USE

- ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM
- EXERCISE ROOM
- BUSINESS AREA
- RESIDENTIAL
- PARKING GARAGE

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LIFE SAFETY PLANS

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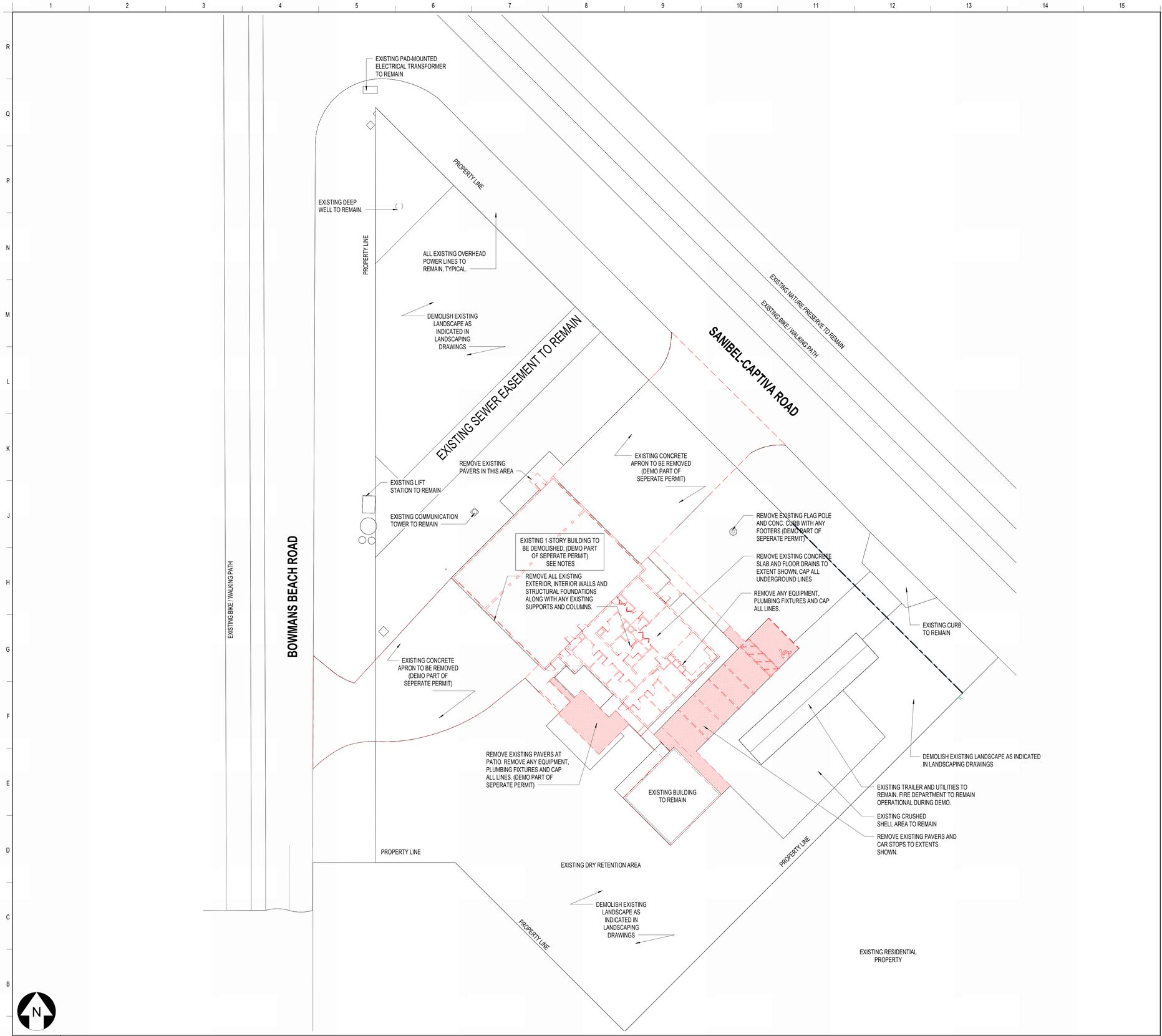

GENERAL DEMOLITION NOTES

1. REMOVE ALL ITEMS AS INDICATED ON PLANS. DEMO OF EXISTING BUILDING PART OF SEPERATE PERMIT. IN GENERAL, WHERE DEMOLITION DRAWING SHEETS SHOW ITEMS (DASHED) TO BE REMOVED, CONTRACTOR SHALL COORDINATE REMAINING DEMOLITION. SPECIFIC DEMOLITION KEYNOTES ARE FOR CLARIFICATION AND DO NOT REPRESENT THE ENTIRE SCOPE OF WORK. SEE CIVIL, LANDSCAPING, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
2. THE SCOPE OF THE DEMOLITION SHALL NOT BE LIMITED TO THE CONTENTS OF THESE DRAWINGS, BUT SHALL INCLUDE ANY AND ALL WORK REQUIRED TO FACILITATE THE NEW CONSTRUCTION AS DESCRIBED IN THESE DOCUMENTS.
3. **IT IS UNDERSTOOD THAT THE EXISTING STRUCTURE MAY CONTAIN ASBESTOS WHICH IS KNOWN TO PRESENT HEALTH HAZARDS. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY INVESTIGATION OR CONTROL OF THE HEALTH EFFECTS BEFORE, DURING, OR SUBSEQUENT TO HIS WORK, NOR OF THE SAFETY OF ANY PERSON USING THE EXISTING STRUCTURE DURING CONSTRUCTION.**
4. CONTRACTOR TO VERIFY ALL CONDITIONS PRIOR TO DEMOLITION AND NOTIFY ARCHITECT OF ANY DISCREPANCY PRIOR TO BID FOR CLARIFICATION. THE CONTRACTOR SHALL FIELD VERIFY AND NOTIFY OF ANY CONCEALED CONDITIONS OR DISCREPANCIES ENCOUNTERED PRIOR TO PROCEEDING WITH WORK.
5. ALL EXISTING FACILITIES TO REMAIN FUNCTIONAL DURING DEMOLITION AND CONSTRUCTION. CM TO COORDINATE WITH ARCHITECT AND OWNER'S REPRESENTATIVE THE PHASING OF ALL DEMOLITION WORK AS REQUIRED.
6. LOCATE EXISTING UNDERGROUND UTILITIES IN THE AREAS OF WORK. IF UTILITIES ARE TO REMAIN IN PLACE, PROVIDE ADEQUATE MEANS OF PROTECTION DURING EARTHWORK OPERATIONS. SHOULD UNCHARTED OR INCORRECTLY CHARTED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONSULT THE ARCHITECT IMMEDIATELY FOR DIRECTIONS AS TO PROCEDURE. COOPERATE WITH OWNER AND UTILITY COMPANIES IN KEEPING RESPECTIVE SERVICES AND FACILITIES IN OPERATION. THE CONTRACTOR SHALL BEAR ALL EXPENSES OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THE WORK. INACTIVE OR ABANDONED UTILITIES SHALL BE CAPPED IN ACCORDANCE WITH LOCAL RESTRICTIONS. REMOVE INACTIVE SERVICES (PLUMBING, MECHANICAL, ELECTRICAL, ETC.) AS REQUIRED TO MAINTAIN OPERATION.
7. DEMOLITION IS TO OCCUR WITH A MINIMUM OF OPERATIONAL DISRUPTION TO OTHER OCCUPIED PORTIONS OF THE SITE. CM TO COORDINATE ALL WORK REQUIRED TO CONNECT TO EXISTING UTILITIES IN ADJACENT OCCUPIED AREAS WITH THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL LIMIT CONSTRUCTION NOISE TO THE GREATEST POSSIBLE EXTENT, AND LIMIT DEMOLITION ON NIGHTS, WEEKENDS, AND AFTER HOURS.
8. CM AND HIS/HER SUB-CONTRACTORS SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATORY AGENCIES AND THEIR CODES AND REGULATIONS FOR NEW CONSTRUCTION AND DEMOLITION WORK.
9. ALL ABANDONED UTILITY LINES ARE TO BE REMOVED. THE CM SHALL BE RESPONSIBLE FOR REMOVAL BACK TO ITS SOURCE (INCLUDING ALL HANGARS, STRAPS, WIRES, ETC.) OF ANY ELECTRICAL, PLUMBING, GAS LINES, AND MECHANICAL DUCTWORK THAT ARE DISCOVERED AND NOT SCHEDULED FOR REUSE. CONTRACTOR IS RESPONSIBLE FOR REROUTING AND MAINTENANCE OF ANY SYSTEM THAT MUST BE RETAINED FOR ADJACENT BUILDING AREAS THAT ARE NOT INCLUDED IN THIS CONTRACT. SEE MEPF DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.
10. PROCEED WITH DEMOLITION FROM TOP TO BOTTOM. DO NOT REMOVE ITEMS SUPPORTING OTHER MEMBERS WITHOUT PROVIDING TEMPORARY OR PERMANENT BRACING AS NECESSARY TO MAINTAIN STRUCTURAL CAPACITY OF THE ASSEMBLY.
11. CM TO PROVIDE TEMPORARY PARTITIONS AND BARRIERS TO PROTECT THE PUBLIC FROM ANY POTENTIAL CONSTRUCTION HAZARDS. BARRIERS ARE TO BE OF METAL FRAME CONSTRUCTION WITH A PAINTED GYPSUM WALLBOARD FACE AS PER INSTRUCTIONS **ON SHEET A101**. THE DOORS TO THE TEMPORARY PARTITIONS ARE NOT TO BE BLOCKED TO OPEN AT ANY TIME.
12. EXISTING UTILITIES ARE TO BE MAINTAINED DURING CONSTRUCTION. CM SHALL NOTIFY OWNER'S REPRESENTATIVE OF ANY DISRUPTIONS TO SERVICE 48 HOURS IN ADVANCE AND PROVIDE INTERIM UTILITIES AS REQUIRED.
13. ALL ITEMS SHOWN AS EXISTING TO REMAIN SHALL BE REMOVED, PROTECTED, STORED AND DELIVERED TO AREA DESIGNATED BY OWNER. CONTRACTOR'S STORAGE AND STAGING AREAS ON SITE SHALL BE AS DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE.
14. THE CONTRACTOR SHALL COORDINATE THE DISPOSITION OF ALL EXISTING EQUIPMENT AND FIXTURES TO BE REMOVED WITH OWNER'S REPRESENTATIVE BEFORE DISCARDING.
15. ALL EXISTING MATERIALS NOT SCHEDULED FOR REUSE OR TO BE TURNED OVER TO OPERATIONS ARE THE PROPERTY OF THE CONTRACTOR. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR WASTE DISPOSAL AND COORDINATE THESE ARRANGEMENTS WITH THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING FROM THE SITE ALL RUBBLE AND DEBRIS CAUSED BY DEMOLITION, AND DISPOSING OF IT IN A PROPER MANNER.
16. **WHEN ITEMS ARE SHOWN AS DEMOLISHED, ALL ASSOCIATED ABANDONED CONDUIT, DUCTWORK, WIRE HANGERS, STRAPS, AND SUPPORTS MUST ALSO BE REMOVED.**
17. REMOVE FROM BUILDING SITE DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. TRANSPORT AND LEGALLY DISPOSE OF OFF SITE. PROVIDE THE OWNER WITH THE RIGHT OF FIRST REFUSAL FOR ITEMS THAT MAY BE SALVAGED OR RE-USED. LEGALLY DISPOSE OF ALL ITEMS THAT OWNER REFUSES. DO NOT BURN WASTE OR DEBRIS. DO NOT USE OWNER'S DUMPSTER, TRASH RECEPTACLES, OR OTHER FACILITIES FOR DISPOSAL OF TRASH, DEBRIS, OR OTHER WASTE. ALL CONSTRUCTION DEBRIS IS TO BE REMOVED DAILY.

A1 | DEMOLITION SITE PLAN
1/16" = 1'-0"

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DEMOLITION SITE PLAN

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SITE INFORMATION:

ADDRESS: 5171 SANIBEL-CAPTIVA ROAD, SANIBEL ISLAND, FLORIDA 33957
PARCEL I.D.: 18-46-22-T1-00002.0030
PARCEL AREA: 49,817 SF (1.12 ACRES)
CLASSIFIED USE: LOCAL GOVERNMENT

FEMA FLOOD MAP I.D.: 12071C0509G, EFF. 11/17/2022
FEMA ELEVATION ZONE: AE (EL. 9)

FLOOD DESIGN CLASS: CLASS 4 - ESSENTIAL FACILITIES
OCCUPANCY CATEGORY: RISK CATEGORY IV

MINIMUM FLOOR ELEVATION: 13' - 0" N.G.V.D. 500 YEAR FLOOD (DESIGNED)

EXISTING ELEC. PANELS TO REMAIN WITH LANDSCAPE SCREENING
EXISTING WELL EQUIPMENT AND FENCING TO REMAIN
UTILITY EASEMENT TO REMAIN
FOR LANDSCAPE BUFFER REFER TO LANDSCAPING DRAWINGS, TYP.
PROPERTY LINE
PROPERTY LINE
DRY RETENTION AREA SEE CIVIL DWGS.
PROPERTY SETBACK
75' - 0" SETBACK FROM C/L OF R.O.W.
EXISTING SEWER EASEMENT TO REMAIN
PROPERTY SETBACK
75' - 0" SETBACK FROM C/L OF R.O.W.
EXISTING NATURE PRESERVE TO REMAIN
EXISTING BIKE / WALKING PATH
SANIBEL-CAPTIVA ROAD
EXISTING RADIO COMMUNICATIONS TOWER TO REMAIN
EXISTING SEWER LIFT STATION TO REMAIN
A1 / A101
C.I.P. CONCRETE APRON, MAX. 5% SLOPE TO STREET
FOR LANDSCAPE BUFFER REFER TO LANDSCAPING DRAWINGS, TYP.
POINT-OF-BEGINNING, SEE CIVIL DWGS.
J1 / AS501
14' - 4"
29' - 10"
TRASH ENCLOSURE W/ FENCE AND GATE
CONCRETE SIDEWALK, SEE CIVIL
18' - 4"
15'
PROPOSED 2-STORY FIRE STATION 12,012 G.S.F.
APP. BAY FIN. FLR. 7'-0" N.G.V.D.
FIN. FLR. 13'-0" N.G.V.D.
A1 / AS501
CRUSHED SHELL PATH, REFER TO LANDSCAPE DRAWINGS
CONCRETE SIDEWALK
FLAG POLE
MANUAL BIKE PUMP
BIKE RACK
ASPHALT APRON, REFER TO CIVIL
66' - 0" RIGHT-OF-WAY (SEE CIVIL)
CAST-IN-PLACE REINFORCED CONCRETE APRON, MAX. 5% SLOPE TO STREET
EXISTING BIKE / WALKING PATH
BOWMANS BEACH ROAD
UNDERGROUND PROPANE TANK
CONC. SIDEWALK, SEE CIVIL
EMERGENCY GENERATOR, SEE ELEC.
CONCRETE PAD FOR TRAINING AREA, SEE CIVIL
CONCRETE SIDEWALK, SEE CIVIL
CRUSHED SHELL, REFER TO CIVIL DRAWINGS
SITE LIGHTING, REFER TO ELEC. DRAWINGS
EXISTING STORAGE BUILDING TO REMAIN
PERMEABLE PAVEMENT PUBLIC PARKING AREA (1 ADA STALL AND 2 STD. STALLS), REFER TO CIVIL
PERMEABLE PAVEMENT STAFF PARKING AREA (6 STD. STALLS)
66' - 0" RIGHT-OF-WAY (SEE CIVIL)
PROPERTY LINE
PROPERTY SETBACK
PROPERTY LINE
DRY RETENTION AREA, SEE CIVIL DWGS.
PROPERTY SETBACK
PROPERTY LINE
FOR LANDSCAPE BUFFER REFER TO LANDSCAPING DRAWINGS, TYP.
EXISTING RESIDENTIAL PROPERTY
N

A1 ARCHITECTURAL SITE PLAN
1/16" = 1'-0"

1/22/2024 2:13:42 PM
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SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

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ARCHITECTURAL SITE PLAN

AS012
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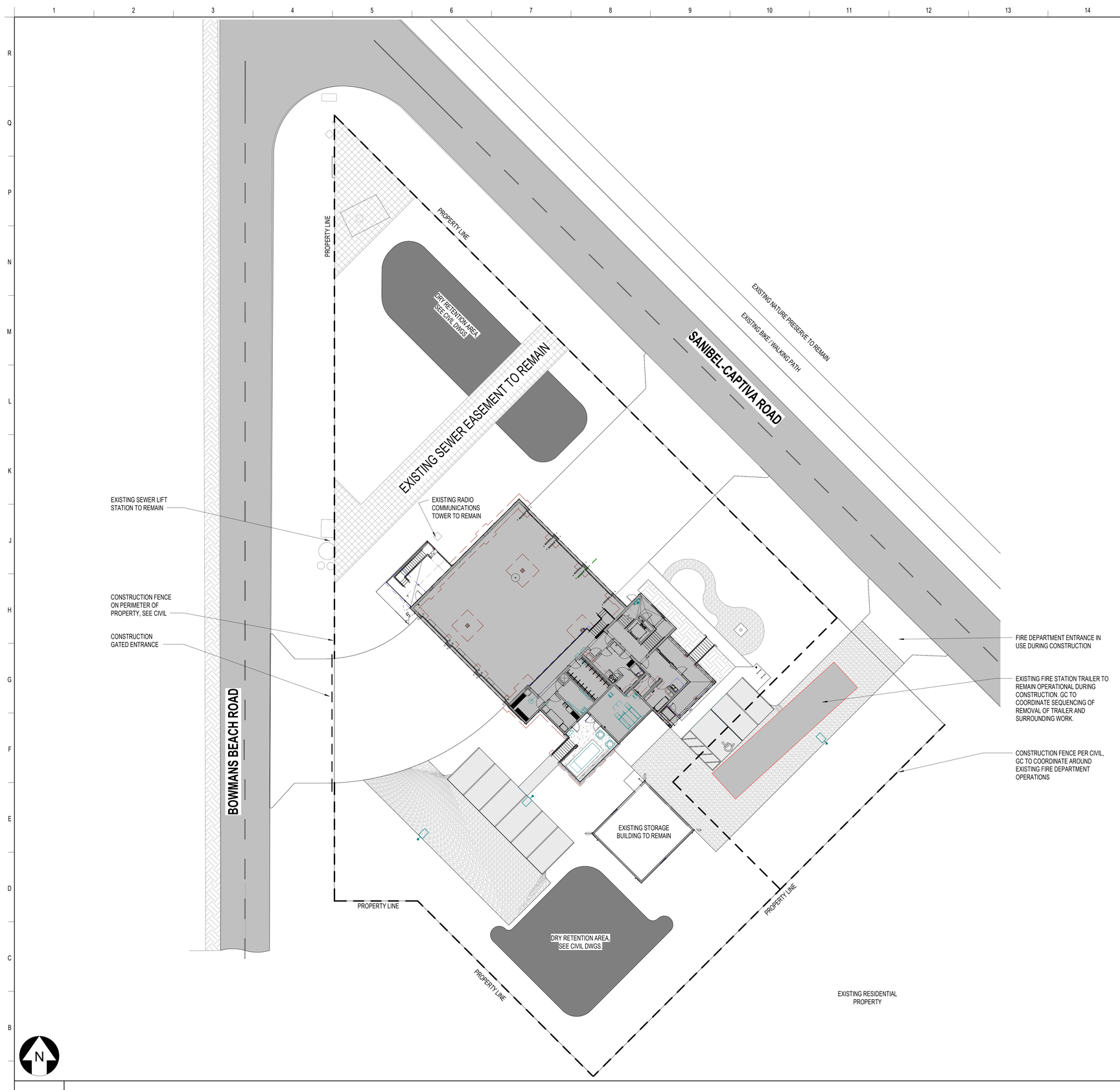

A1 — CONSTRUCTION STAGING PLAN

1/16" = 1'-0"

1/22/2024 2:13:52 PM
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CONSTRUCTION STAGING PLAN

AS013
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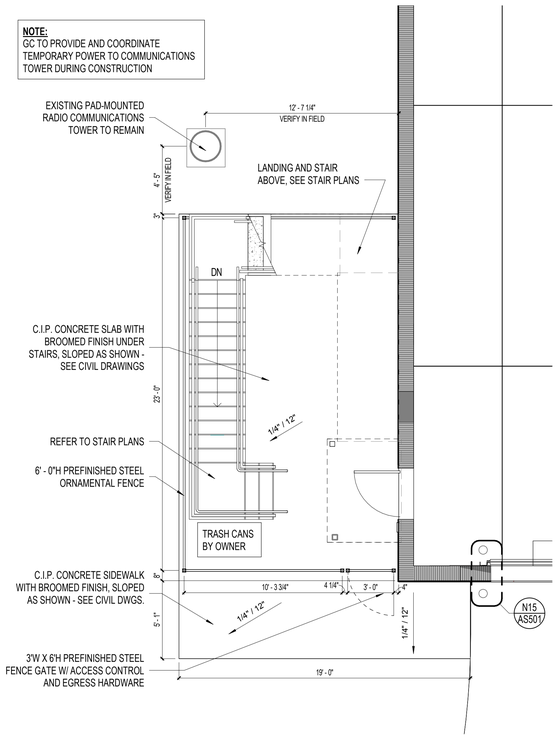
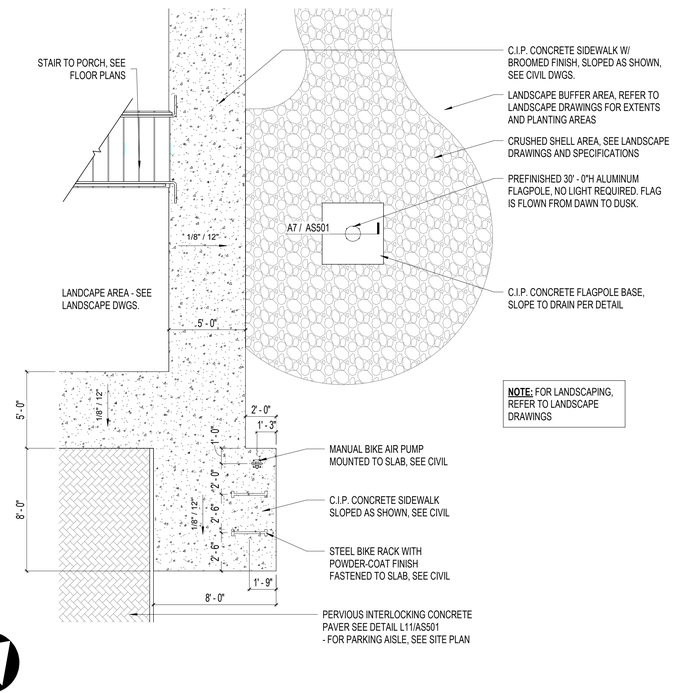


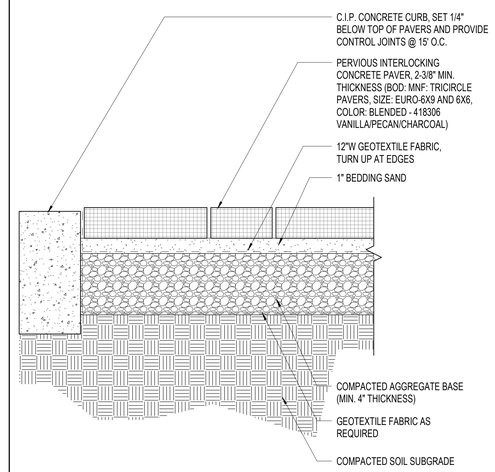
J1 — ENLARGED PLAN - EXTERIOR STAIR ENCLOSURE

1/4" = 1'-0"



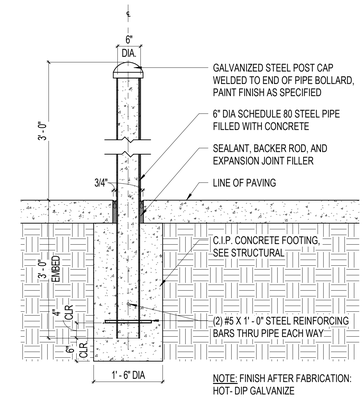
A1 — ENLARGED PLAN - SITE ELEMENTS

1/4" = 1'-0"



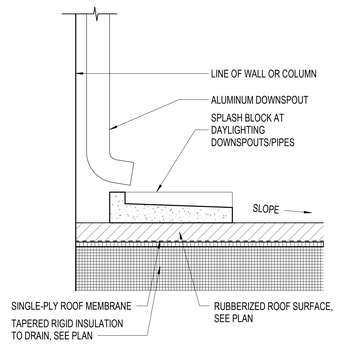
L7 — PAVER TRANSITION DETAIL

3" = 1'-0"



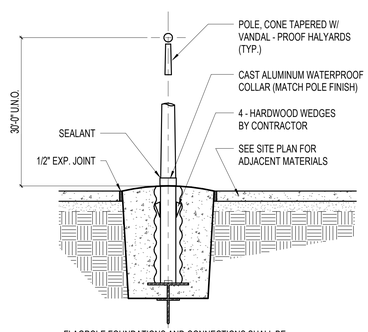
F7 — NON-REMOVABLE PIPE BOLLARD (MF)

3/4" = 1'-0"



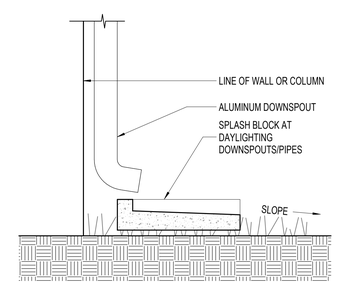
F11 — SPLASHBLOCK DETAIL AT ROOF

1 1/2" = 1'-0"



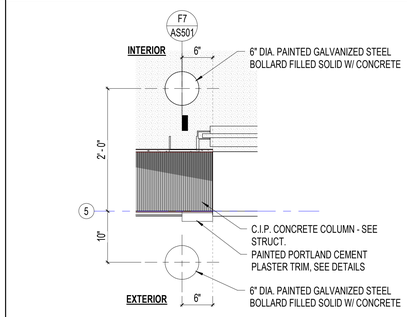
A7 — FLAGPOLE DETAIL

1/2" = 1'-0"



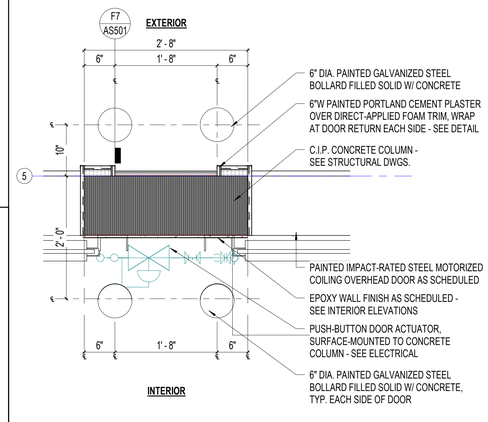
A11 — SPLASHBLOCK DETAIL AT GRADE

1 1/2" = 1'-0"



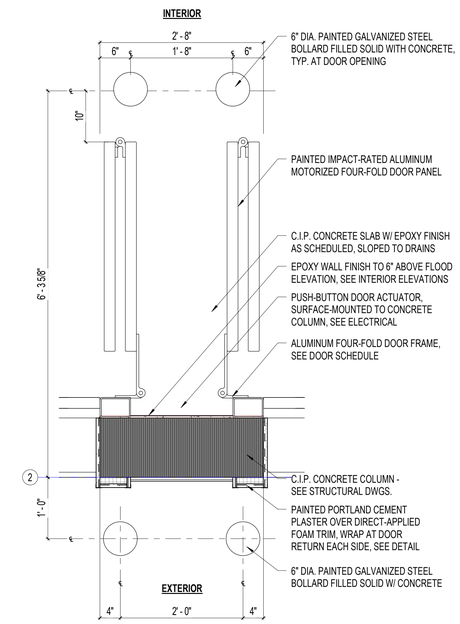
N15 — TYP. BOLLARD PLAN

1" = 1'-0"



H15 — BOLLARD DETAIL AT O.H. DOOR

1" = 1'-0"



A15 — BOLLARD DETAIL AT FOUR-FOLD DOOR

1" = 1'-0"

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2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

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SITE PLAN DETAILS

AS501
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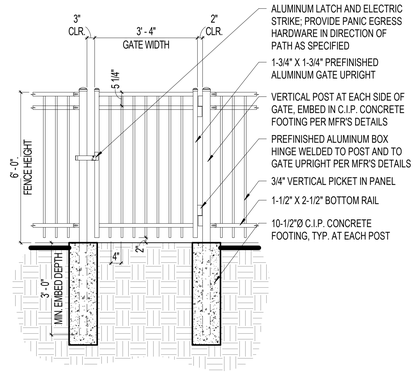
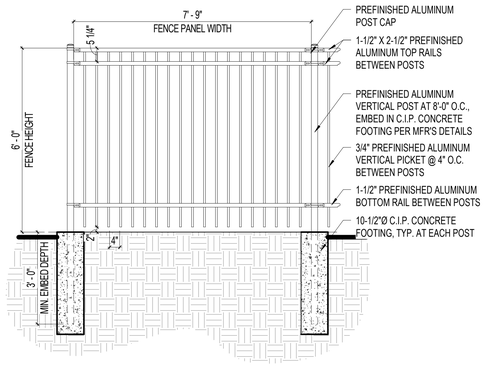


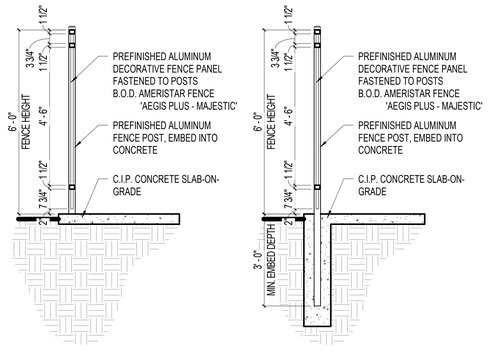
M1 DECORATIVE FENCE GATE SECTION

1/2" = 1'-0"



G1 DECORATIVE FENCE PANEL SECTION

1/2" = 1'-0"



SECTION AT FENCE SPAN

SECTION AT POST

A1 DECORATIVE FENCING DETAILS

1/2" = 1'-0"

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SITE PLAN DETAILS

AS502
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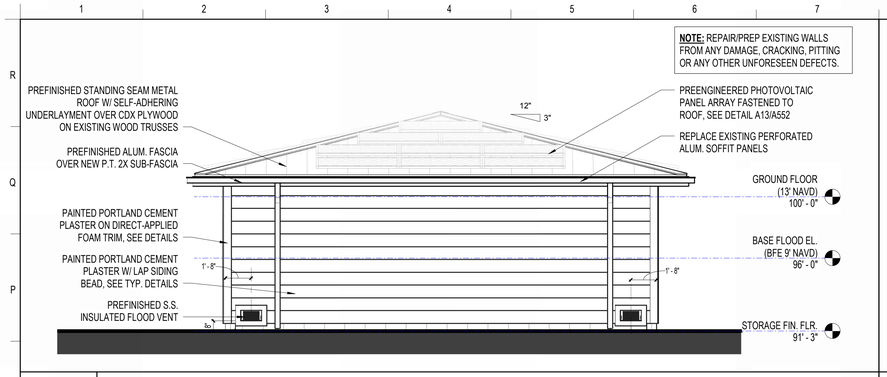
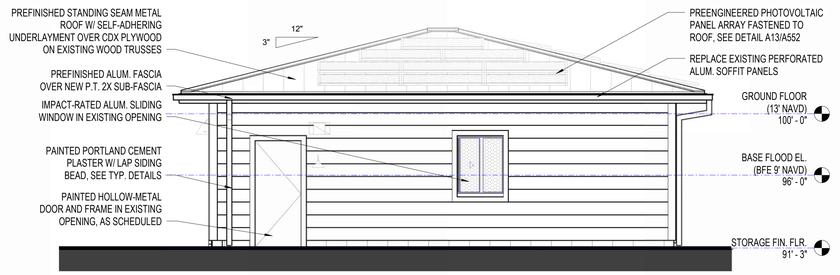


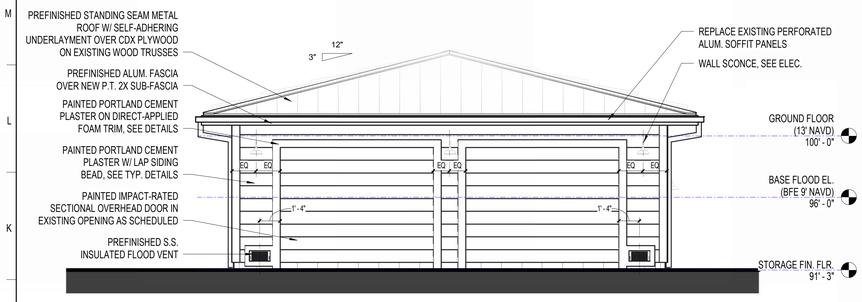
N1 STORAGE BUILDING - REAR ELEVATION

1/4" = 1'-0"



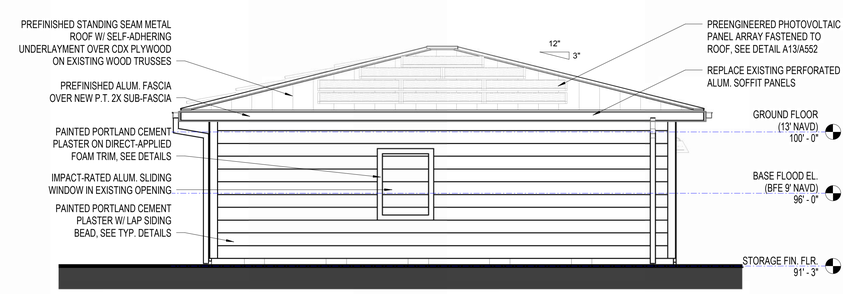
N8 STORAGE BUILDING - SIDE ELEVATION

1/4" = 1'-0"



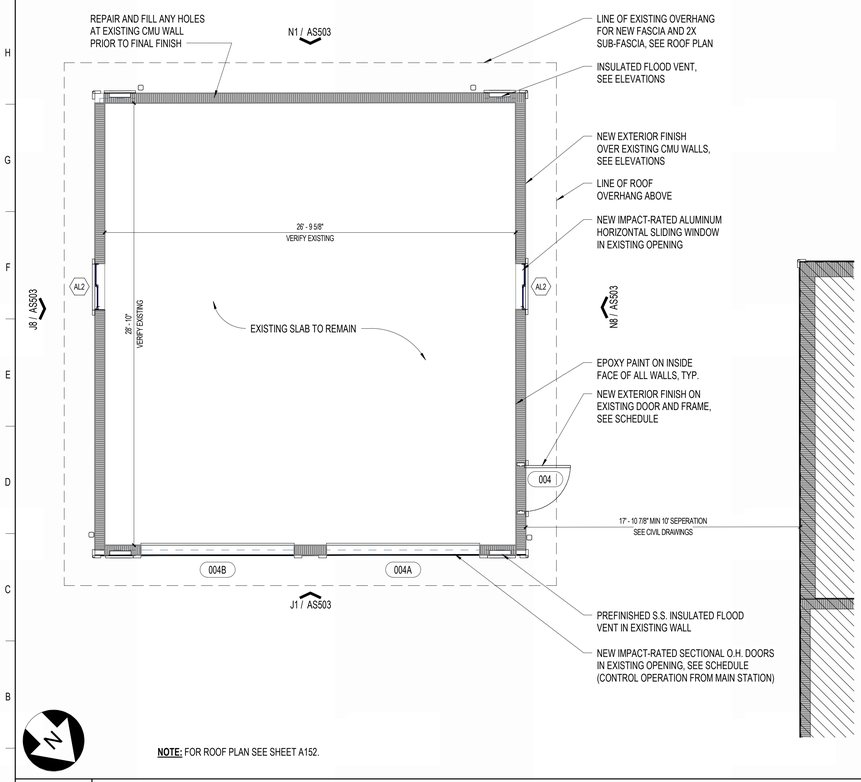
J1 STORAGE BUILDING - FRONT ELEVATION

1/4" = 1'-0"



J8 STORAGE BUILDING - SIDE ELEVATION

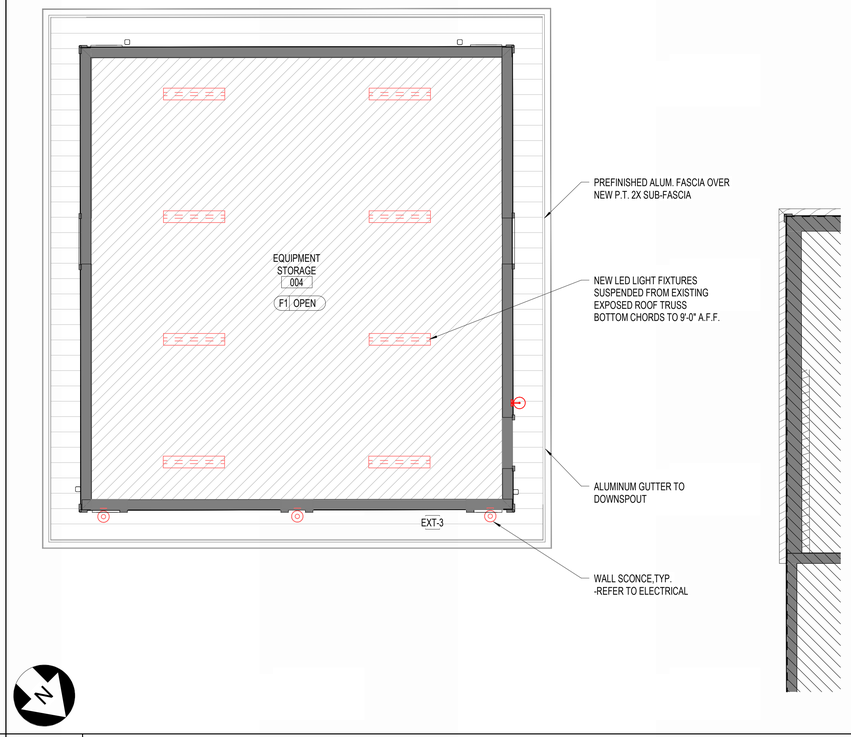
1/4" = 1'-0"



NOTE: FOR ROOF PLAN SEE SHEET A152.

A1 FLOOR PLAN - STORAGE BUILDING

1/4" = 1'-0"



A8 REFLECTED CEILING PLAN - STORAGE BUILDING

1/4" = 1'-0"

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2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

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SITE DETAILS - EXISTING STORAGE BUILDING

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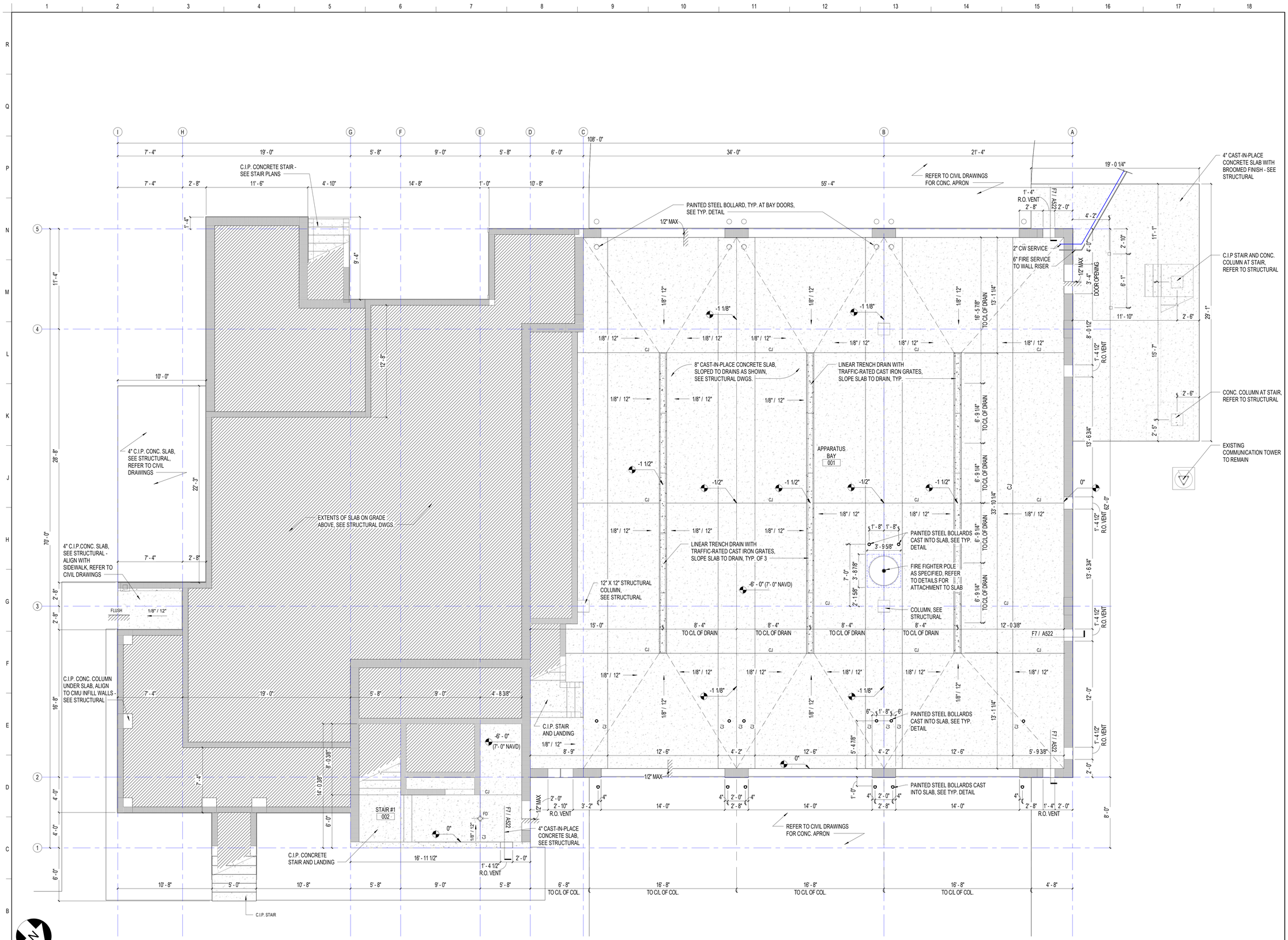

A1 SLAB PLAN - APPARATUS BAY

1/4" = 1'-0"

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SLAB PLAN - APPARATUS BAY

A030
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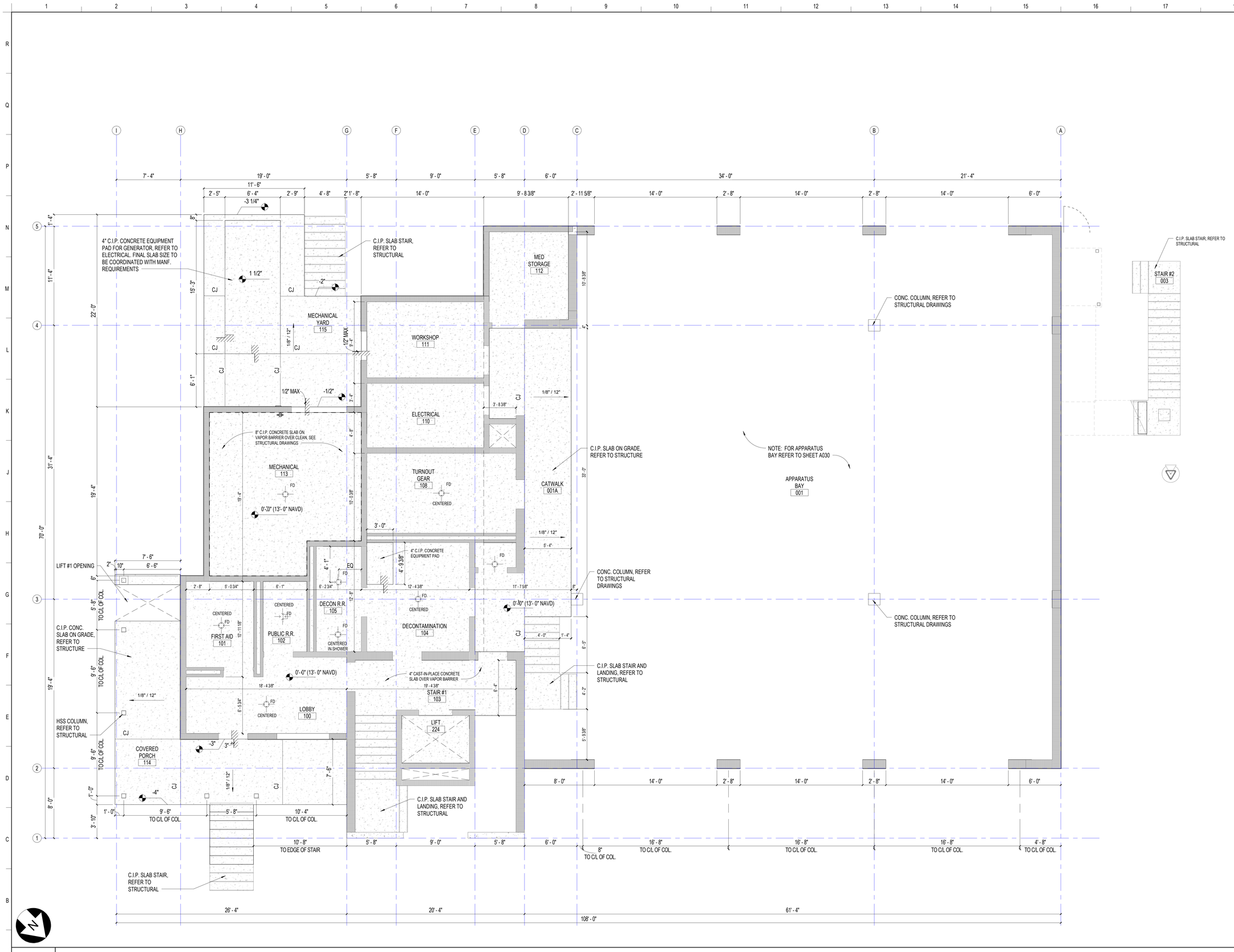

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SLAB PLAN - FIRST FLOOR

A1
SLAB PLAN - FIRST FLOOR
1/4" = 1'-0"

A031
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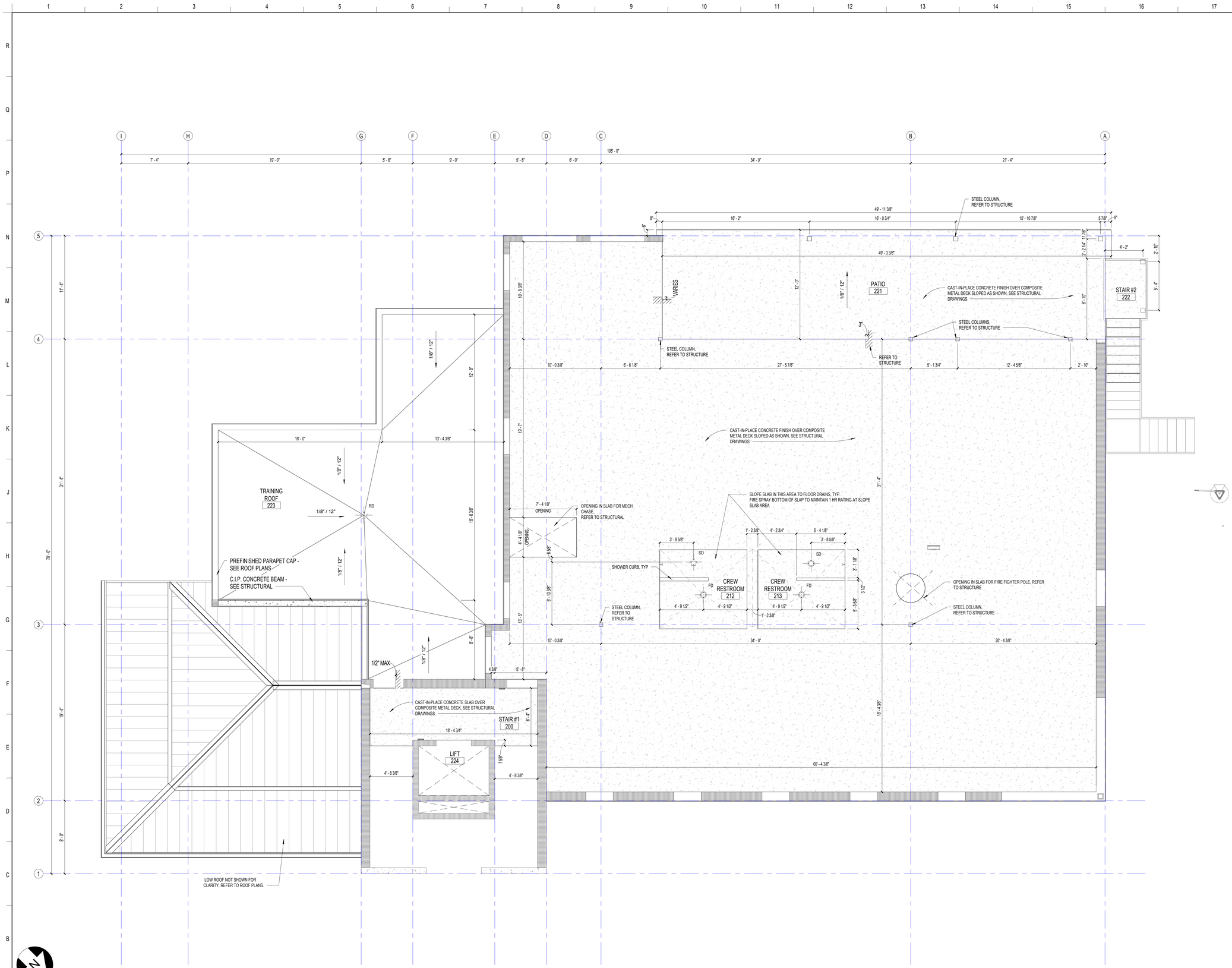

A1

SLAB PLAN - SECOND FLOOR

1/4" = 1'-0"

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SLAB PLAN - SECOND FLOOR

A032

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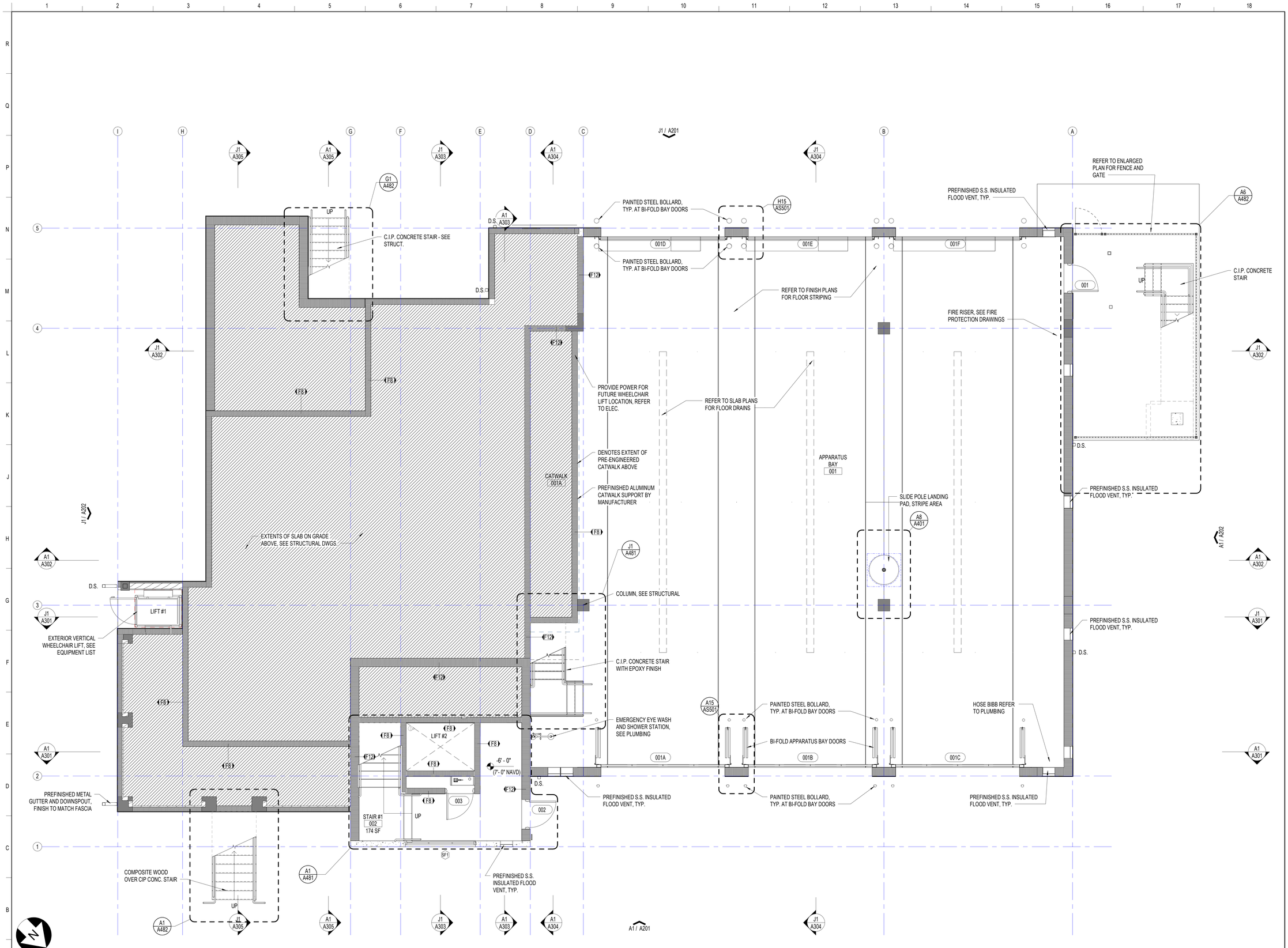

A1 FLOOR PLAN - APPARATUS BAY

1/4" = 1'-0"

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ARCHITECTURAL PLAN - APPARATUS BAY

A100
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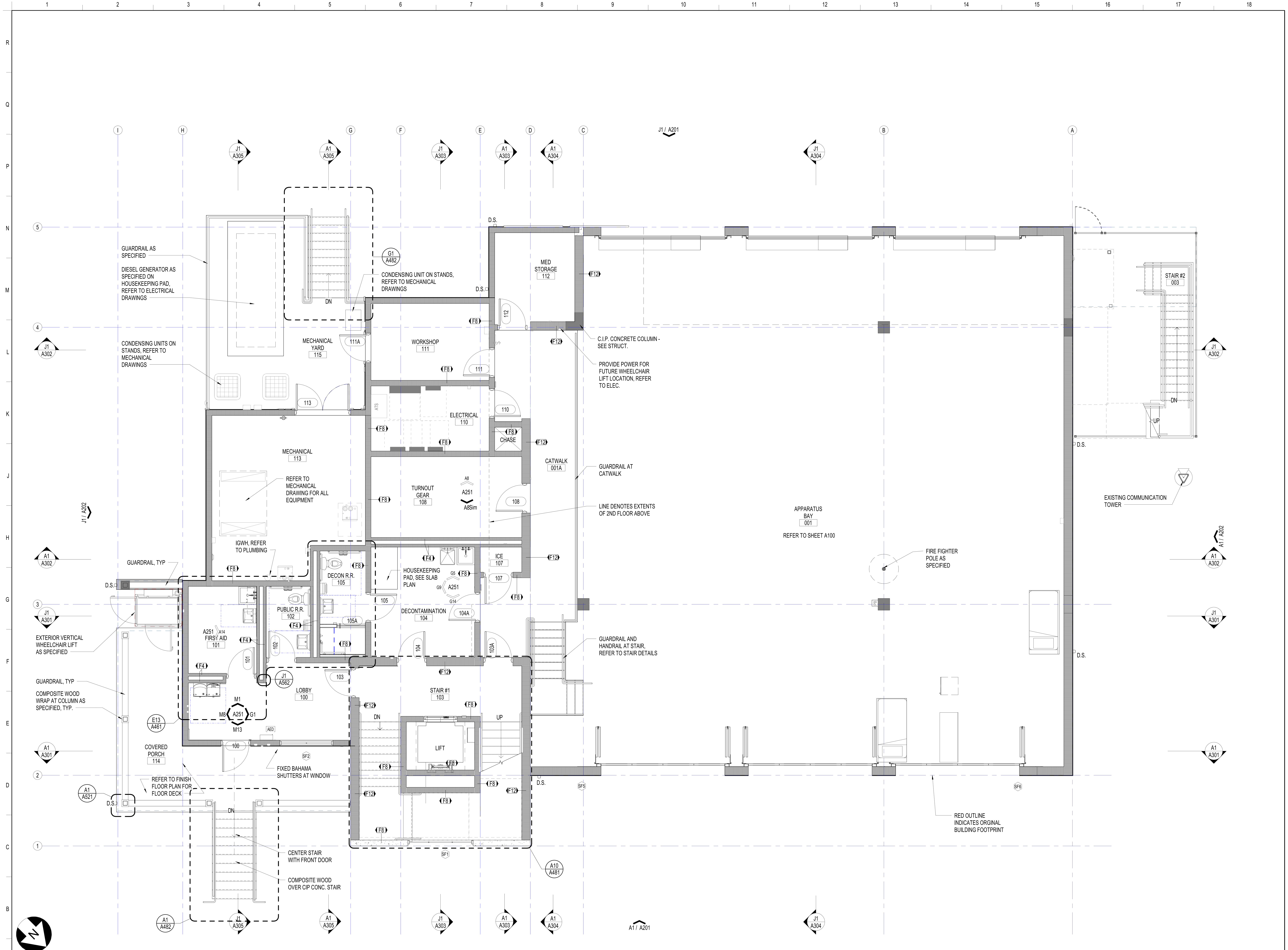
GUARDRAIL AS SPECIFIED
DIESEL GENERATOR AS SPECIFIED ON HOUSEKEEPING PAD, REFER TO ELECTRICAL DRAWINGS
CONDENSING UNITS ON STANDS, REFER TO MECHANICAL DRAWINGS
CONDENSING UNIT ON STANDS, REFER TO MECHANICAL DRAWINGS
MECHANICAL YARD 115
WORKSHOP 111
MED STORAGE 112
ELECTRICAL 110
CHASE
MECHANICAL 113
REFER TO MECHANICAL DRAWING FOR ALL EQUIPMENT
TURNOUT GEAR 108
CATWALK 001A
C.I.P. CONCRETE COLUMN - SEE STRUCT.
PROVIDE POWER FOR FUTURE WHEELCHAIR LIFT LOCATION, REFER TO ELEC.
GUARDRAIL AT CATWALK
LINE DENOTES EXTENTS OF 2ND FLOOR ABOVE
APPARATUS BAY 001
REFER TO SHEET A100
FIRE FIGHTER POLE AS SPECIFIED
STAIR #2 003
EXISTING COMMUNICATION TOWER
IGWH, REFER TO PLUMBING
GUARDRAIL, TYP
DECON R.R. 105
HOUSEKEEPING PAD, SEE SLAB PLAN
ICE 107
PUBLIC R.R. 102
FIRST AID 101
DECONTAMINATION 104
GUARDRAIL AND HANDRAIL AT STAIR, REFER TO STAIR DETAILS
EXTERIOR VERTICAL WHEELCHAIR LIFT AS SPECIFIED
GUARDRAIL, TYP
COMPOSITE WOOD WRAP AT COLUMN AS SPECIFIED, TYP.
LOBBY 100
STAIR #1 103
LIFT
COVERED PORCH 114
FIXED BAHAMA SHUTTERS AT WINDOW
REFER TO FINISH FLOOR PLAN FOR FLOOR DECK
RED OUTLINE INDICATES ORGINAL BUILDING FOOTPRINT
CENTER STAIR WITH FRONT DOOR
COMPOSITE WOOD OVER CIP CONC. STAIR
D.S.
DN
UP

A1 FLOOR PLAN - FIRST FLOOR

1/4" = 1'-0"

SANIBEL FIRE & RESCUE DISTRICT
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ARCHITECTURAL PLAN - FIRST FLOOR

A101

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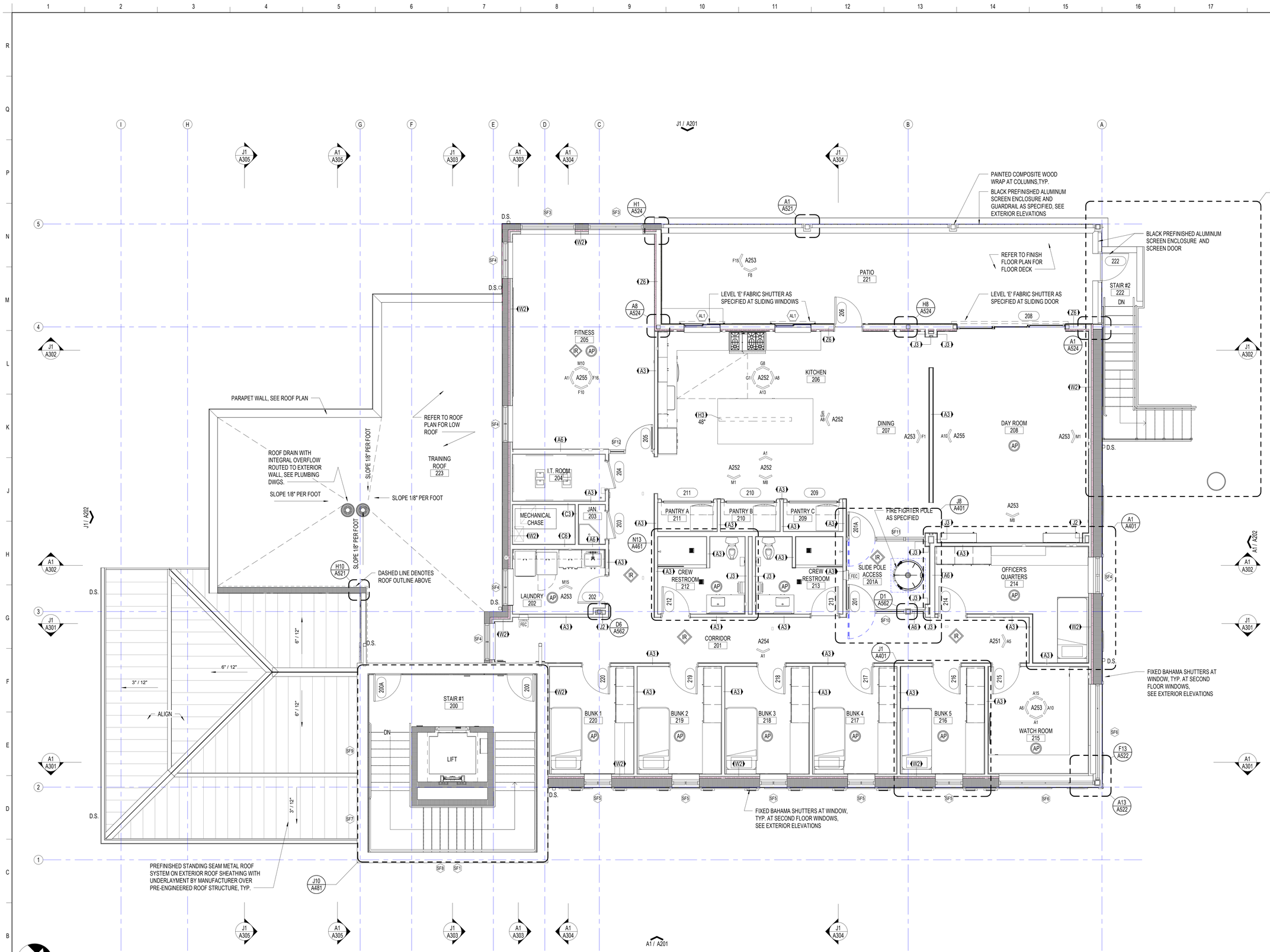

A1

FLOOR PLAN - SECOND FLOOR

1/4" = 1'-0"

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ARCHITECTURAL PLAN - SECOND FLOOR

A102

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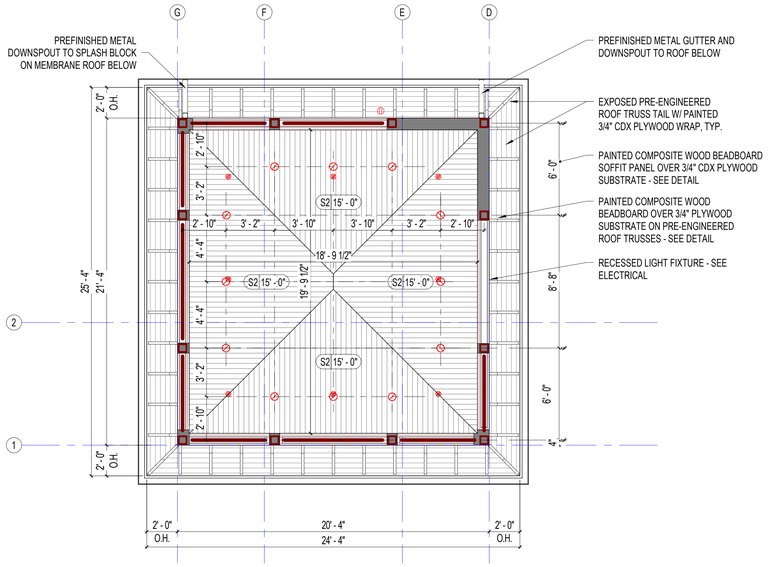
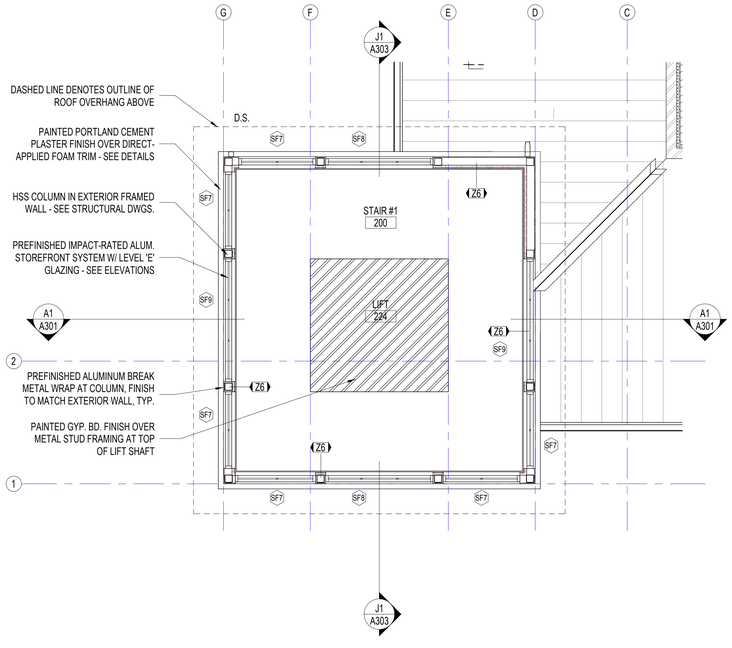


J1

1/4" = 1'-0"

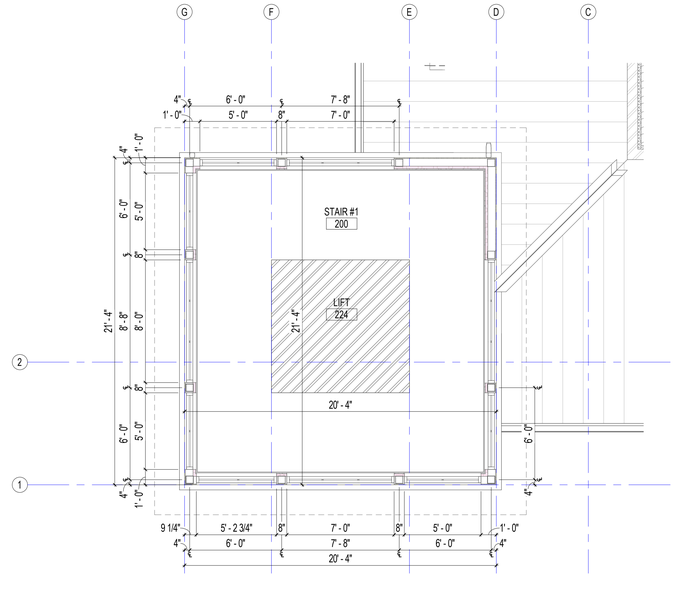
REFLECTED CEILING PLAN - STAIR TOWER



A1

1/4" = 1'-0"

FLOOR PLAN - STAIR TOWER



A10

1/4" = 1'-0"

DIMENSION PLAN - STAIR TOWER

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ARCHITECTURAL PLAN - STAIR TOWER

A103

100% CONSTRUCTION DOCUMENTS

DIMENSION PLAN NOTES

1. ALL STUD PARTITIONS SHALL BE TYPE A3 U.N.O.
2. ALL INTERIOR WALL FURRING TO ABOVE CLG. SHALL BE TYPE E2 U.N.O.
3. ALL EXTERIOR WALL FURRING TO ABOVE CLG. SHALL BE TYPE W2 U.N.O.
4. ALL CMU WALLS SHALL BE F8 U.N.O.
5. REFER TO SHEETS G031 FOR TYPICAL PARTITION TYPES.
6. REFER TO SHEETS G032 FOR TYPICAL PARTITION DETAILS.
7. ALL DIMENSIONS ARE TO FACE OF GYPSUM BOARD, COLUMN GRID, OR FACE OF CMU UNLESS NOTED OTHERWISE.
8. PROVIDE FULL HEIGHT CEMENTITIOUS BACKERBOARD PANEL AT ALL WET AREAS, INCLUDING RESTROOMS, SHOWER AREAS AND CUSTODIAL CLOSETS.
9. REFER TO SHEET G-031 FOR GYPSUM BD SCHEDULE AND INSULATION SCHEDULE.

MECHANICAL YARD ABOVE

EXTENTS OF SLAB ON GRADE ABOVE, SEE STRUCTURAL DWGS.

CATWALK
001A
152 SF

APPARATUS BAY
001
3359 SF

LIFT #1

STAIR LOBBY ABOVE

LIFT #2

COVERED PORCH ABOVE

STAIR #1
002
174 SF

UP

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

SCHENKEL SHULTZ

9510 Corkscrew Palms Circle, Unit 1
Estero, FL 33928.USA
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DIMENSION PLAN - APPARATUS BAY

A1
DIMENSION PLAN - APPARATUS BAY
1/4" = 1'-0"

A120
100% CONSTRUCTION DOCUMENTS

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DIMENSION PLAN NOTES

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MED STORAGE 112
WORKSHOP 111
MECHANICAL YARD 115
ELECTRICAL 110
MECHANICAL 113
TURNOUT GEAR 108
CATWALK 001A
APPARATUS BAY 001
ICE 107
DECON R.R. 105
DECONTAMINATION 104
FIRST AID 101
PUBLIC R.R. 102
STAIR #1 103
COVERED PORCH 114
LOBBY 100
LIFT 224
STAIR #2 003
SLIDE POLE
DN
UP

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DIMENSION PLAN - FIRST FLOOR

A121
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A1
1/4" = 1'-0"
DIMENSION PLAN - FIRST FLOOR

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DIMENSION PLAN NOTES

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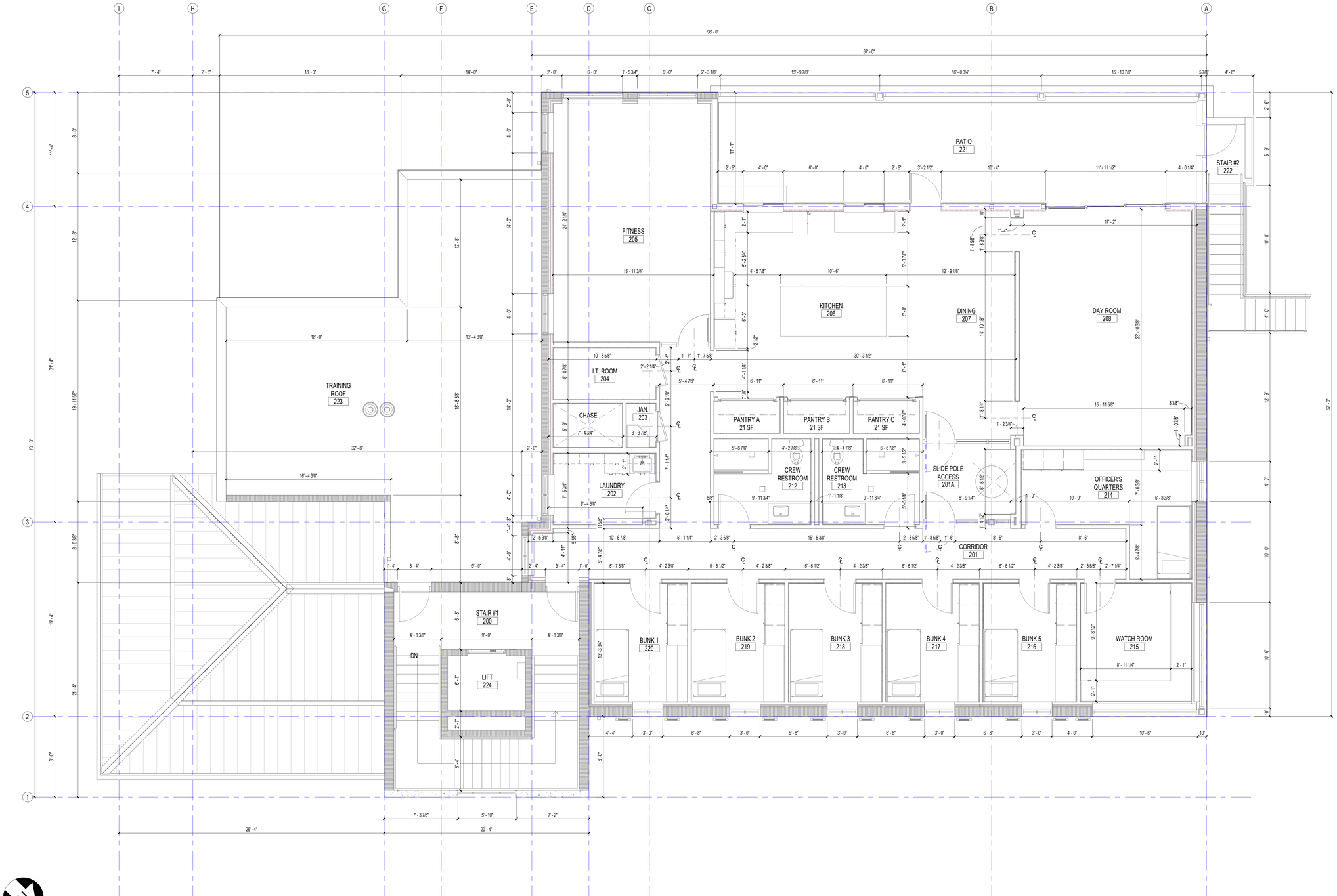

A1	DIMENSION PLAN - SECOND FLOOR
1/4" = 1'-0"	

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DIMENSION PLAN - SECOND FLOOR

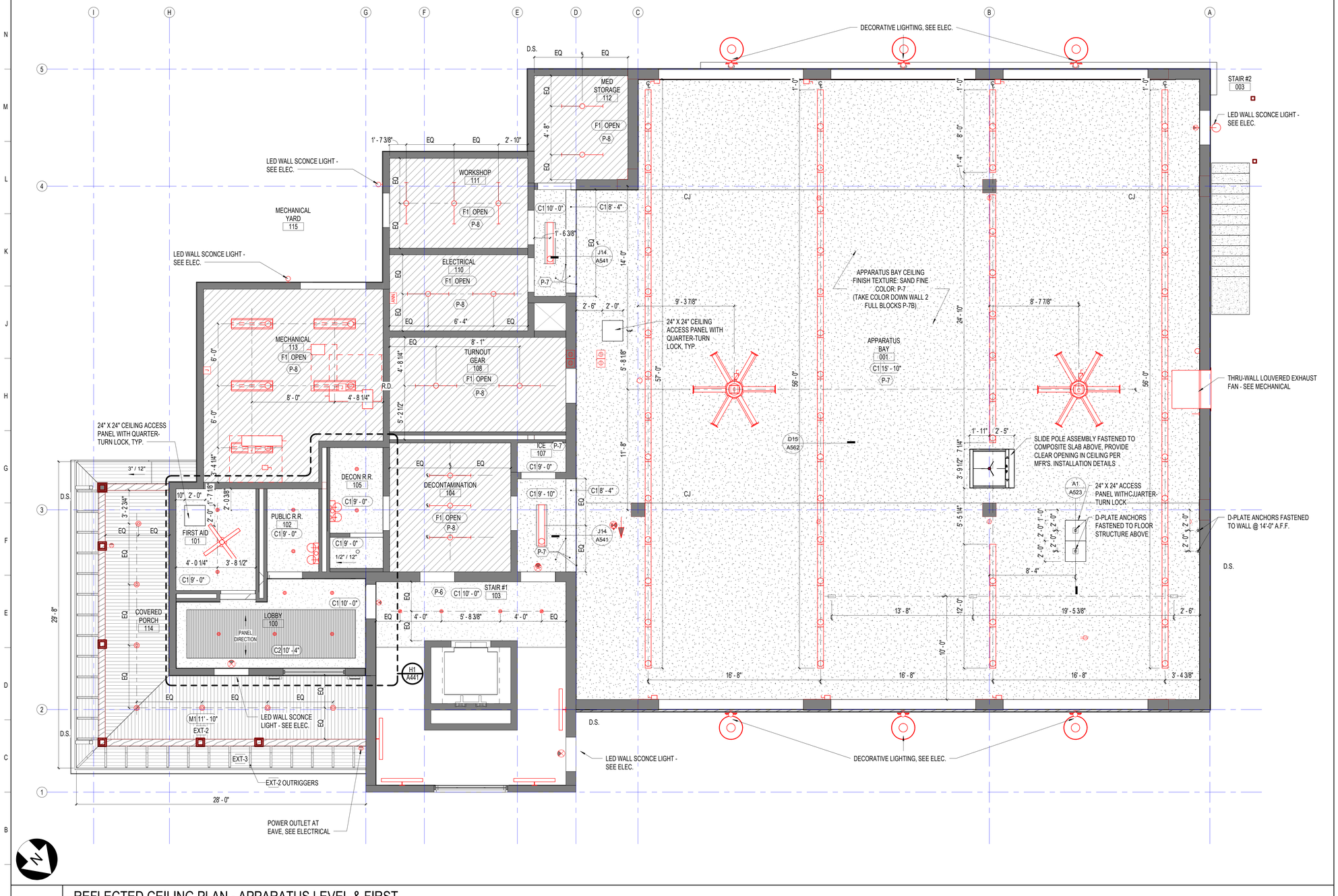
A122
100% CONSTRUCTION DOCUMENTS

A1 VARIES	24" x 24" ROCKFON SONAR SQ. TEGULAR NARROW, 0.95 NRC	
C1 VARIES	5/8" GYPSUM BD ON 3-5/8" METAL STUD FRAMING	
D2 VARIES	EXTERIOR FINISH SYSTEM ON 5/8" EXTERIOR GYPSUM SHEATHING ON 7/8" HAT CHANNEL FURRING ON SUSPENDED 1 1/2" METAL CHANNEL GRID	
F1 VARIES	EXPOSED STRUCTURE, PAINT ALL SIDES	
M1 VARIES	PAINTED COMPOSITE WOOD BEADBOARD SOFFIT PANEL OVER 3/4" CDX PLYWOOD SUBSTRATE - EXTERIOR	
S1 VARIES	PAINTED WOOD PLANK ON 7/8" HAT CHANNEL GRID	
S2 VARIES	FAUX WOOD BEAM SYSTEM	
T1 VARIES	MOZ CORRUGATED PANEL	

CEILING GENERAL NOTES

1. ALL DIMENSIONS ARE TO THE CENTERLINE OF DEVICE, TYPICAL.
2. ALL SOFFITS/CASED OPENINGS ARE TO ALIGN WITH THE FINISHED FACE OF ADJACENT WALLS, U.N.O
3. ALL DEVICES ARE TO BE CENTERED IN CEILING TILES WHERE APPLICABLE, UNLESS NOTED OTHERWISE.
4. SEE CONSULTANT DOCUMENTS FOR THE LOCATIONS OF ALL WALL-MOUNTED DEVICES. COORDINATE ALIGNMENT OF WALL DEVICES WITH EACH OTHER AND CEILING DEVICES WHERE POSSIBLE.
5. ALIGN DEVICES AS INDICATED WITH CENTERLINES.
6. ALL CEILING HEIGHTS ARE TO THE FINISHED FACE OF THE CEILING PLANE.
7. ARCHITECTURAL CEILING PLANS DO NOT INDICATE ALL DEVICES IN THE CEILING/PROJECT. REFER TO MEPF DOCUMENTS FOR ADDITIONAL DEVICES.
8. ALL STRUCTURE (INCLUDING BOTTOM OF DECK), CONDUIT, HVAC DUCTWORK, EQUIPMENT SUPPORTS, CABLE TRAY, DEVICES, CEILING SUPPORT SYSTEMS, ETC ABOVE OPEN CLG AREAS TO BE PAINTED.
9. FANS TO BE CENTERED IN ROOM U.N.O.
10. REFER TO FINISH SCHEDULE FOR CEILING FINISHES U.N.O. ON RCP. INTERIOR ON A160, EXTERIOR A200

CEILING LEGEND AND NOTES



FIXTURE LEGEND

INDICATION	DESCRIPTION
	RECESSED PIN LIGHT
	RECESSED DOWNLIGHT
	ANGLED RECESSED DOWNLIGHT
	EXIT SIGN
	FIRE SPRINKLER
	DATA DEVICE
	UNDER CABINET LIGHTING
	RECESSED LINEAR LIGHT
	SUSPENDED LINEAR LIGHT FIXTURE
	SUSPENDED PENDANT LIGHT FIXTURE
	VANITY WALL SCONCE
	CEILING ACCESS PANEL/ BAFFLE PLENUM ACCESS
	WALL MOUNTED LINEAR FIXTURE
	WALL SCONCE
	2X2 LIGHT
	AIR SUPPLY DIFFUSER
	AIR RETURN DIFFUSER
	EXHAUST FAN
	LINEAR AIR SUPPLY DIFFUSER
	CAMERA
	SPEAKER
	FIRE ALARM DEVICE
	SMOKE DETECTOR
	FAN
	FAN

NOTE: SEE MEP DRAWINGS FOR MORE SYMBOLS

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REFLECTED CEILING PLAN - APPARATUS LEVEL & FIRST FLOOR

A141
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A1
REFLECTED CEILING PLAN - APPARATUS LEVEL & FIRST FLOOR
1/4" = 1'-0"

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A1 VARIES	24" x 24" ROCKFON SONAR SQ. TEGULAR NARROW, 0.95 NRC	
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T1 VARIES	MOZ CORRUGATED PANEL	

CEILING GENERAL NOTES

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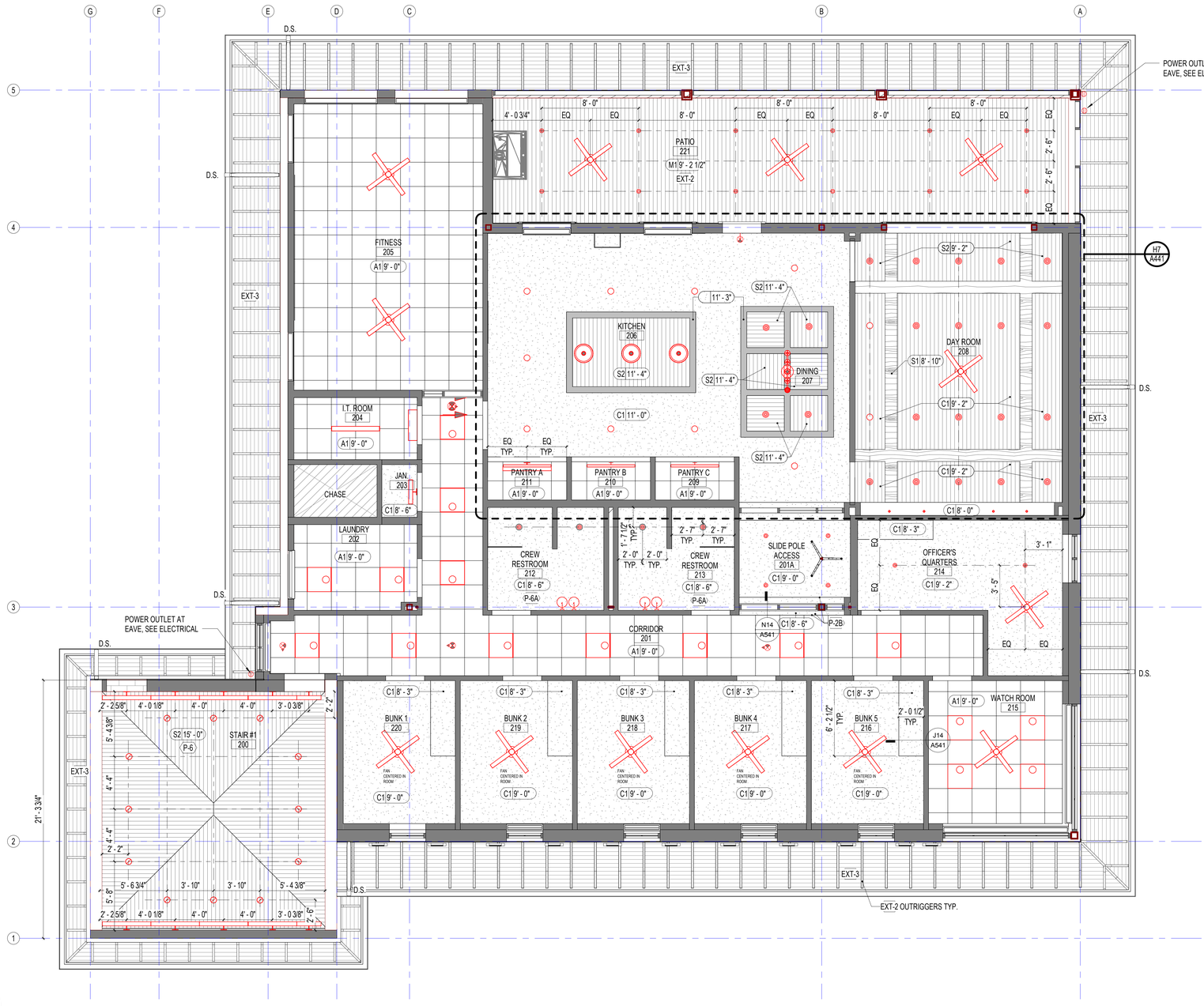
CEILING LEGEND AND NOTES



FIXTURE LEGEND

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	FIRE SPRINKLER
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	VANITY WALL SCONCE
	CEILING ACCESS PANEL/ BAFFLE PLENUM ACCESS
	WALL MOUNTED LINEAR FIXTURE
	WALL SCONCE
	2X2 LIGHT
	AIR SUPPLY DIFFUSER
	AIR RETURN DIFFUSER
	EXHAUST FAN
	LINEAR AIR SUPPLY DIFFUSER
	CAMERA
	SPEAKER
	FIRE ALARM DEVICE
	SMOKE DETECTOR
	FAN
	FAN

NOTE: SEE MEP DRAWINGS FOR MORE SYMBOLS

A1 — REFLECTED CEILING PLAN - SECOND FLOOR

1/4" = 1'-0"

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REFLECTED CEILING PLAN - SECOND FLOOR

A142

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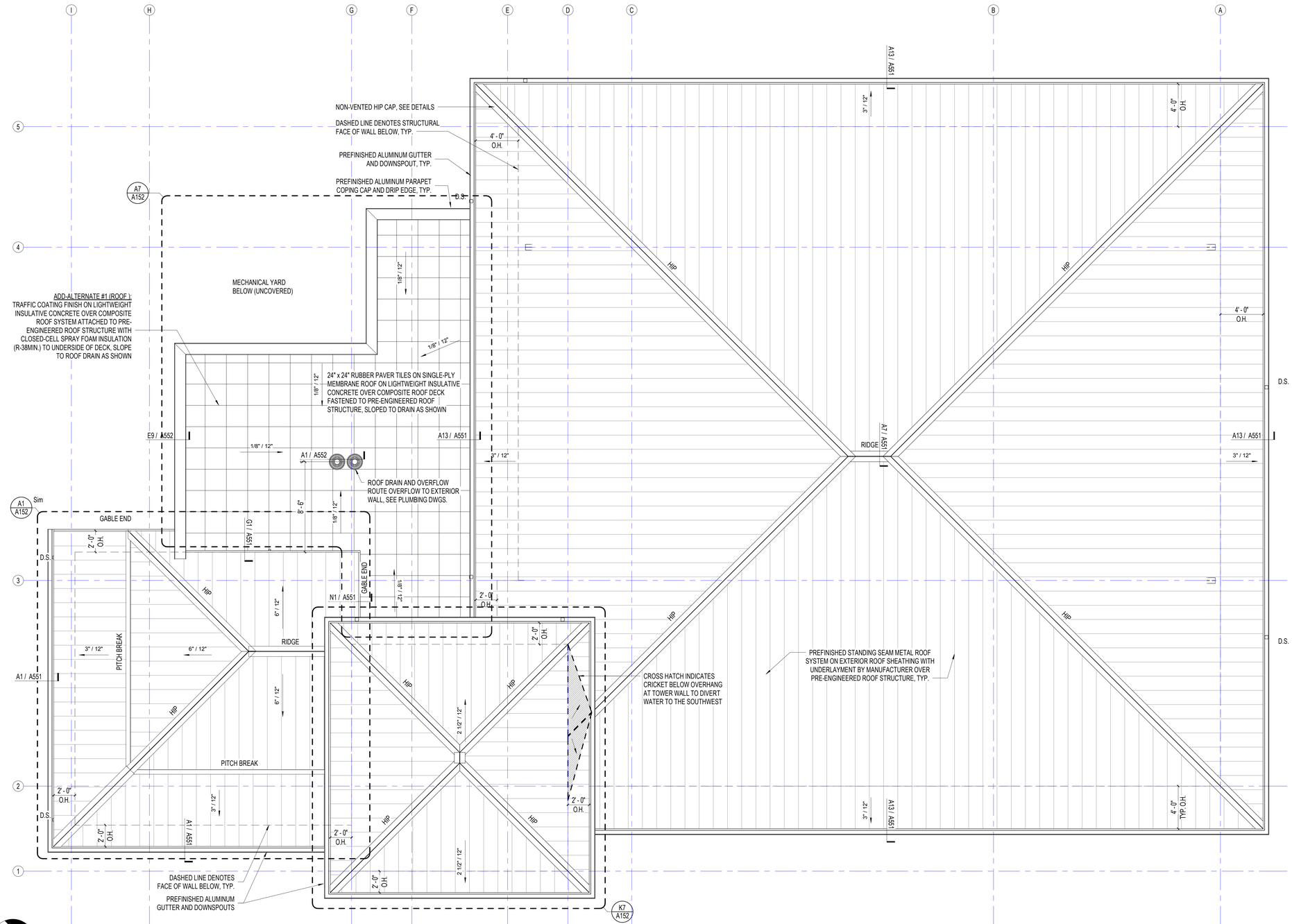

ROOF TYPE LEGEND

TYPE B	SINGLE PLY MEMBRANE ROOFING SYSTEM ON LIGHTWEIGHT INSULATING CONCRETE SYSTEM (R-30 MIN.)
TYPE CR	CRICKET
TYPE G	STANDING SEAM ROOFING SYSTEM ON INSULATION (R-30 MIN.) ON METAL DECK
	WALKWAY PADS

GENERAL NOTES:

1. PROVIDE MANUFACTURER'S STANDARD DETAILS FOR ALL ROOF PENETRATIONS.
2. SEE. MECHANICAL & PLUMBING EQUIPMENT PLANS FOR EXTENT OF ROOFTOP EQUIPMENT, CURBS, VENTS, PIPES, AND CONDUITS PENETRATING THE ROOF.
3. PROVIDE CRICKETS TO PROVIDE POSITIVE DRAINAGE AROUND ALL ROOF TOP EQUIPMENT AND HATCHES. CRICKETS SHALL SLOPE AT 1/2" PER FT. MINIMUM.
4. OVERFLOW SCUPPERS (O.S.) SHALL BE INSTALLED WITH EACH CONDUCTOR HEAD AND DOWNSPOUT (CH/DS) UNLESS NOTED OTHERWISE.
5. PROVIDE CONCRETE SPLASH BLOCKS WHERE DOWNSPOUTS DISCHARGE ONTO ROOF BELOW.
6. COORDINATE MASONRY OPENINGS WITH SCUPPER REQUIREMENTS.
7. COORDINATE WALL-MOUNTED ITEMS WITH EXTERIOR ELEVATIONS.
8. COORDINATE ALL ROOF DRAINAGE WITH CIVIL.
9. REFER TO A55# SERIES DRAWINGS FOR ROOF DETAILS. REFER TO WALL SECTIONS & DETAILS FOR ADDITIONAL ROOF DETAILING.
10. CONDUCTOR HEAD/DOWNSPOUT LOCATIONS TO BE COORDINATED WITH EXTERIOR ELEVATIONS.

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ROOF PLAN

A1
ROOF PLAN
1/4" = 1'-0"

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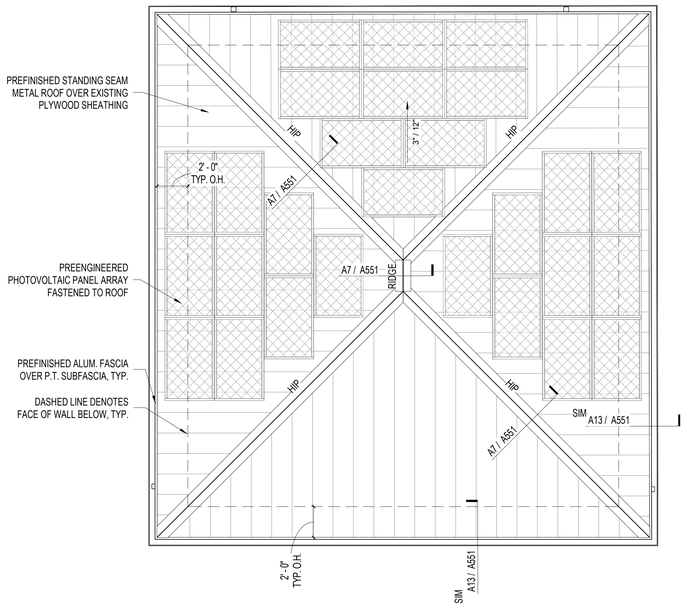
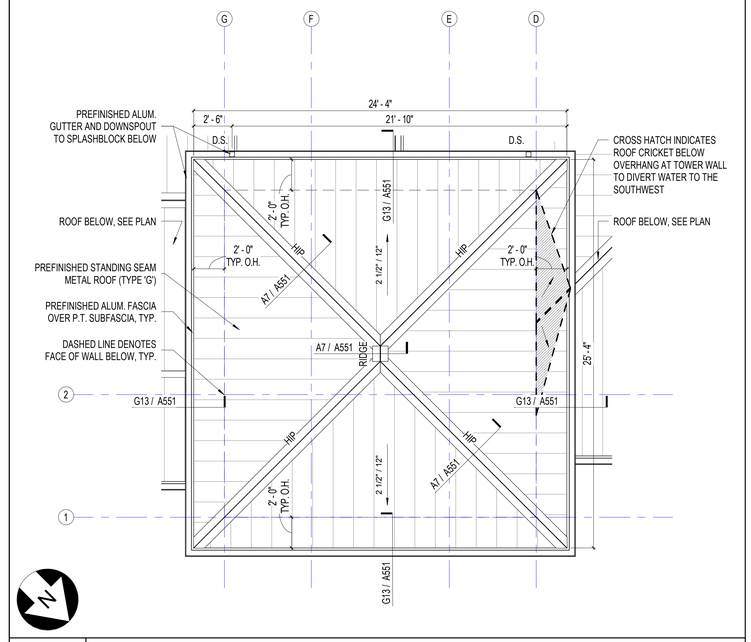


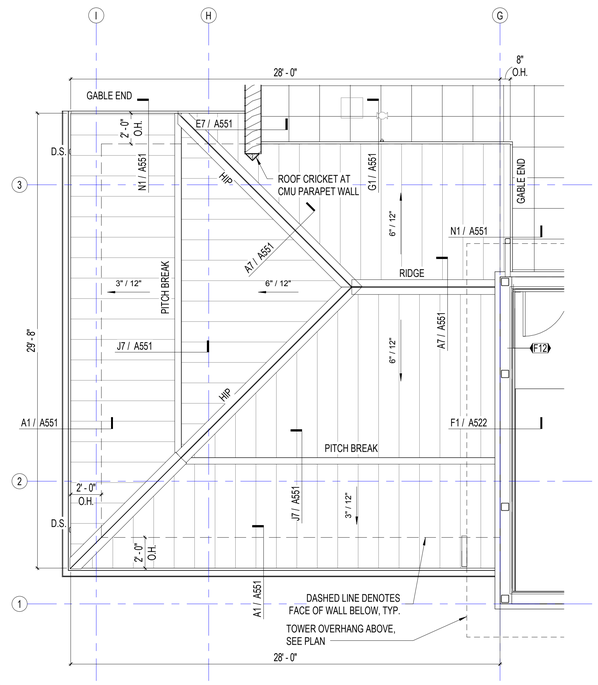
J1 STORAGE BLDG. ROOF PLAN

1/4" = 1'-0"



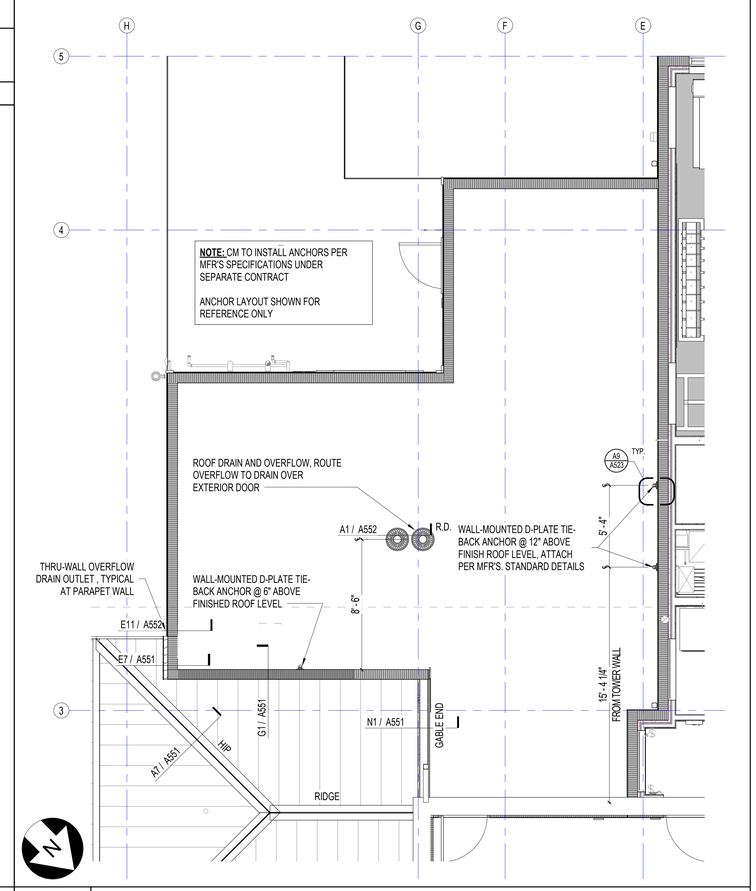
K7 STAIR / LIFT TOWER ROOF PLAN

1/4" = 1'-0"



A1 PORCH ROOF PLAN

1/4" = 1'-0"



A7 TRAINING ROOF PLAN

1/4" = 1'-0"

STORM DRAINAGE

THIS PROJECT CONSISTS OF MULTIPLE SLOPED STANDING SEAM METAL ROOFS (SEE ROOF PLAN) AND A LOW-SLOPE SINGLE-PLY MEMBRANE TRAINING ROOF. ALL DOWNSPOUTS AND ROOF DRAINS ARE TO BE TIED TO STORMWATER SYSTEM PER CIVIL DRAWINGS.

APPLICABLE CODES & STANDARDS

FLORIDA BUILDING CODE 8th EDITION (2023) - PLUMBING

SIZE OF CONDUCTORS, LEADERS, AND STORM DRAINS (FBC SECTION 1106)

100-YEAR, 1-HOUR RAINFALL (INCHES) (FIGURE 1106.1)	4.5 INCHES / HOUR		
RAINFALL CALCULATIONS (GAL. / S.F.)	1" RAIN / HOUR = 27,154 GAL / ACRE	1 ACRE = 43,560 S.F.	
	1" RAIN / HOUR = 27,154 GAL / 43,560 S.F. = 0.62 GAL / S.F. 4.5" RAIN / HOUR = 4.5 * 0.62 GAL / S.F. = 2.81 GAL / S.F.		
	2.81 GAL / HOUR / S.F. = 0.0468 GPM / S.F.		
AFFECTED ROOF AREAS (S.F.)	TRAINING ROOF:	878 S.F.	41.05 GPM
	TOWER ROOF:	309 S.F.	14.46 GPM
	MAIN ROOF:	2,590 S.F.	121.21 GPM
	PORCH ROOF:	514 S.F.	24.06 GPM
STORM DRAIN PIPE SIZING (TABLE 1106.2)	VERTICAL DRAIN:	3" DIA. PIPE (NO SLOPE)	87 GPM
	HORIZONTAL DRAIN:	4" DIA. PIPE (1/4" / 12" SLOPE)	163 GPM
	HORIZONTAL DRAIN:	5" DIA. PIPE (1/8" / 12" SLOPE)	165 GPM
VERTICAL LEADER SIZING (TABLE 1106.3)	3" DIA. OR 3" X 3"	92 GPM	
	4" DIA. OR 4" X 4"	192 GPM	
	5" DIA. OR 5" X 5"	360 GPM	
HORIZONTAL GUTTER SIZING (TABLE 1106.6)	3" X 5" (1/4" / 12" SLOPE) 157 GPM		

ROOF TYPE LEGEND

TYPE B	SINGLE PLY MEMBRANE ROOFING SYSTEM ON LIGHTWEIGHT INSULATING CONCRETE SYSTEM (R-30 MIN.)
TYPE CR	CRICKET
TYPE G	STANDING SEAM ROOFING SYSTEM ON INSULATION (R-30 MIN.) ON METAL DECK
	WALKWAY PADS

GENERAL NOTES:

1. PROVIDE MANUFACTURER'S STANDARD DETAILS FOR ALL ROOF PENETRATIONS.
2. SEE. MECHANICAL & PLUMBING EQUIPMENT PLANS FOR EXTENT OF ROOFTOP EQUIPMENT, CURBS, VENTS, PIPES, AND CONDUITS PENETRATING THE ROOF.
3. PROVIDE CRICKETS TO PROVIDE POSITIVE DRAINAGE AROUND ALL ROOF TOP EQUIPMENT AND HATCHES. CRICKETS SHALL SLOPE AT 1/2" PER FT. MINIMUM.
4. OVERFLOW SCUPPERS (O.S.) SHALL BE INSTALLED WITH EACH CONDUCTOR HEAD AND DOWNSPOUT (CH/DS) UNLESS NOTED OTHERWISE.
5. PROVIDE CONCRETE SPLASH BLOCKS WHERE DOWNSPOUTS DISCHARGE ONTO ROOF BELOW.
6. COORDINATE MASONRY OPENINGS WITH SCUPPER REQUIREMENTS.
7. COORDINATE WALL-MOUNTED ITEMS WITH EXTERIOR ELEVATIONS.
8. COORDINATE ALL ROOF DRAINAGE WITH CIVIL.
9. REFER TO A55# SERIES DRAWINGS FOR ROOF DETAILS. REFER TO WALL SECTIONS & DETAILS FOR ADDITIONAL ROOF DETAILING.
10. CONDUCTOR HEAD/DOWNSPOUT LOCATIONS TO BE COORDINATED WITH EXTERIOR ELEVATIONS.

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ROOF PLANS

A152
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FLOOR FINISH LEGEND

- FLOOR FINISH LVT-1, TYPICAL U.N.O.
- FLOOR FINISH WOOD EPX- 1 U.N.O.
- FLOOR FINISH EPX- 2 U.N.O.
- FLOOR FINISH EPX- 3 U.N.O.
- FLOOR FINISH FLOOR STRIPE EPX-4 U.N.O.
- FLOOR FINISH COMPOSITE WOOD DECKING CW-1 U.N.O.
- FLOOR FINISH RUBBER STAIR TREAD/RISER FLOOR RF-1/RF-2 U.N.O.
- FLOOR FINISH RUBBER GYM FLOOR RF-3 U.N.O.
- FLOOR FINISH RUBBER ROOF TILES RF-5 U.N.O.
- FLOOR FINISH BROOMED CONCRETE C-2 U.N.O.

FLOOR TRANSITIONS

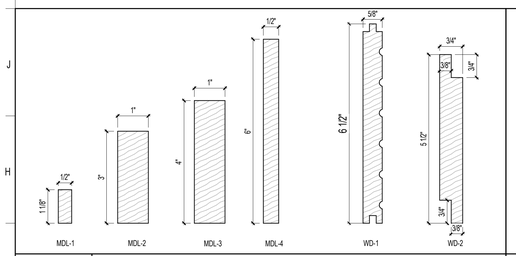
1. LVT/RF TO EPX - D1 / A160
2. LVT TO C - A1 / A160
3. THICK RF TO LVT - A5 / A160
4. EPX TO EPX @ LOBBY - D5 / A160
5. EPX TO EPX @ APPARATUS - G5 / A160

GENERAL FINISH NOTES

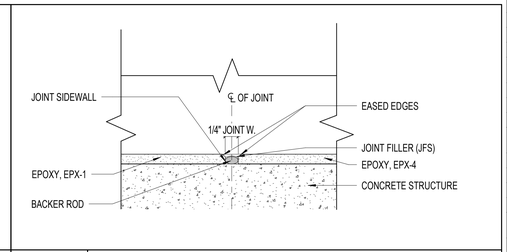
1. REFER TO ARCHITECTURAL AREA PLANS FOR INTERIOR ELEVATION TAGS.
2. REFER TO FINISH LEGEND & CODE SCHEDULES FOR FINISH TAG DESIGNATIONS.
3. REFER TO G-001 FOR WALL FINISH TAG DESCRIPTION.
4. REFER TO SHEET A160 FOR ALL INTERIOR TRANSITION DETAILS.
5. ANY LOCATION WHERE TWO FLOORING FINISHES COME IN A DOORWAY, EXTEND THE FLOORING TO MEET AT CENTERLINE OF DOOR.
6. FOR TRANSITIONS OF DIFFERENT THICKNESS, USE FLOOR LEVELING TRANSITION MATERIAL AND FEATHER OUT OVER 2'-0" TO PROVIDE AN EVEN TRANSITION. PRIOR TO FLOORING INSTALLATION, TEST CONCRETE SLAB FOR MOISTURE CONTENT BASED ON MANUFACTURERS RECOMMENDATION.
7. MINIMAL TILE CUTS TO BE MADE IN THE MOST DISCRETE LOCATION ON WALLS. NO CUT TILES.
8. PROVIDE 24" HIGH BRUSHED ALUM. BACKSPLASH WALL PANELS AT ALL CUSTODIAL MOP SINKS. EXTEND 12" BEYOND FACE OF MOP SINK, CAULK ALL EDGES AND CORNERS.
9. PAINT RECESSED ELECTRICAL PANELS TO MATCH ADJACENT WALL.
10. ALL VINYL WALL BASE TO BE INSTALLED IN LENGTHS AS LONG AS FEASIBLE WITHOUT GAPS AT SEAMS. TOP OF BASE TO ALIGN WITH ADJACENT PIECE.
11. PROVIDE CORNER GUARDS AT ALL EXPOSED EXTERIOR CORNERS IN CORRIDORS (2" WINGS TO 4' H AFF. REFER TO FIN. SCHEDULE FOR SPECIFICATIONS).
12. CONTRACTOR TO SECURE SIZE AND THICKNESS OF MATERIAL FROM MANUFACTURER.
13. VERIFY FLOORING CONDITIONS PRIOR TO INSTALLATION.
14. REFER TO FINISH SCHEDULE FOR DOOR PANEL AND WINDOW TRIM PAINT COLORS.
15. ALL PLAM CABINETS AND COUNTERTOPS TO HAVE MATCHING PVC EDGEBANDING U.N.O.
16. ALL SWITCH AND OUTLET PLATES TO BE WHITE U.N.O.
17. ALL WINDOW SILLS TO BE SSM-1 U.N.O.
18. OUTLETS/ SWITCHPLATES SHALL NOT CUT THROUGH TOP OF EPOXY OR TOP CAP, MOVE DOWN AS REQ.
19. OUTLETS/ SWITCHPLATES SHALL NOT CUT THROUGH CORNER GUARD, MOVE AS REQ.

ABBREVIATION KEY

B -	BASE (INCLUDES VINYL, WOOD, RUBBER, TILE, ETC.)
C- -	CONCRETE (SEALED, POLISHED, STAINED,BROOMED)
EPX -	EPOXY SURFACES
GD -	GRAIN DIRECTION
LOGO -	EPOXY LOGO
LVT -	LUXURY VINYL TILE
MDL -	MOULDING
MISC -	MISCELLANEOUS (GLASS/MIRRORS, TOILET PARTITIONS, HARDWARE ETC.)
MTL -	METAL
P -	PAINT
PL -	PLASTIC LAMINATE
RF -	RUBBER FINISH
SSM -	SOLID SURFACE
ST -	STONE (QUARTZ, GRANITE, MARBLE, ETC.)
T -	TILE (INCLUDES PORCELAIN, TILE, GLASS)
WD -	WOOD
WP -	WALL PROTECTION (INCLUDES CORNER GUARDS, FRP PANELS, ETC.)
BBNB -	BRUISED BUT NOT BROKEN

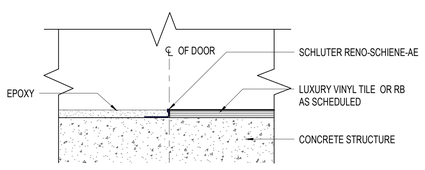


INTERIOR MOULDING LEGEND



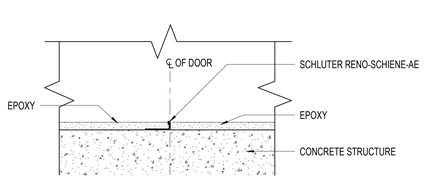
G5 — TRANS. DETAIL - EPX TO EPX @ APPARATUS

12" = 1'-0"



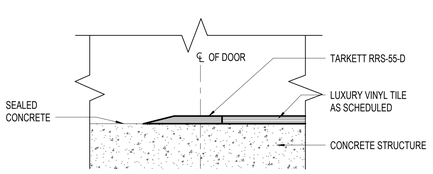
D1 — TRANS. DETAIL - LVT/RB TO EPX

12" = 1'-0"



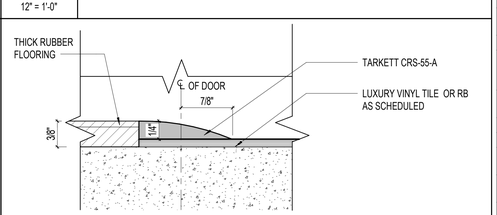
D5 — TRANS. DETAIL - EPX TO EPX @ LOBBY

12" = 1'-0"



A1 — TRANS. DETAIL - LVT TO C

12" = 1'-0"



A5 — TRANS. DETAIL - LVT TO THICK RUBBER

12" = 1'-0"

CEILING CODE SCHEDULE

FINISH CODE	MANUFACTURER	MFG. LINE	STYLE NO.	COLOR	SIZE	INSTALLATION	FLAME SPREAD RATING	REMARKS
A1	ROCKFON	SONAR	SLN16200 - 95 NRC	WHITE/ WHITE GRID	2 'X 2' X 1"	SQ. TEGULAR NARROW	CLASS A	NO SUBSTITUTIONS
C2	MOZ	CORRUGATED PATINA COLLECTION	SLN16200 - 95 NRC	111A POLYCOAT FLAT	44 1/2" x 96"X 5/8"	DIRECT GLUE	CLASS A	NO SUBSTITUTIONS
S1	BARRON DESIGNS	FAUX WOOD BEAMS	BAOBM- HERITAGE- 3 SIDED	TOASTED MARSHMALLOW 4410	12"W X 4"D X L VARIES (REFER TO RCP)	PER MANF. INSTRUCTIONS	CLASS A	
S2	WINDSORONE	BEADBOARD	SPBC6	TOASTED MARSHMALLOW 4410	23/32" x 5-1/2" X 16'	PER MANF. INSTRUCTIONS	CLASS A	

PAINT CODE SCHEDULE

FINISH CODE	MANUFACTURER	COLOR NO.	COLOR	FINISH/SHEEN	TYPE	REMARKS
P-1	SHERWIN WILLIAMS	SW8917	SHELL WHITE	EGSHEL	LOW VOC - LATEX	TYPICAL THROUGHOUT U.N.O.
P-1A	SHERWIN WILLIAMS	SW8917	SHELL WHITE	EGSHEL	LOW VOC - EPOXY	WALLS WET AREAS-SKIMCOAT WALLS-SEE FINISH PLAN FOR LOCATIONS & APPARATUS WALLS, TRIM AS NOTED
P-1B	SHERWIN WILLIAMS	SW8917	SHELL WHITE	GLOSS	LOW VOC - EPOXY	WALLS WET AREAS-BLOCK WALLS SEE FINISH PLAN FOR LOCATIONS
P-2	SHERWIN WILLIAMS	SW7624	SLATE TILE	SATIN	LOW VOC - LATEX	ACCENT
P-2A	SHERWIN WILLIAMS	SW7624	SLATE TILE	SEMIGLOSS	LOW VOC - LATEX	ALL HM/WD DOORS AND FRAME/ KITCHEN CABINETS U.N.O.
P-2B	SHERWIN WILLIAMS	SW7624	SLATE TILE	FLAT	LOW VOC - LATEX	CEILING PLANKS U.N.O.
P-3	SHERWIN WILLIAMS	SW0068	COPEN BLUE	EGSHEL	LOW VOC - LATEX	ACCENT VERTICAL PLANK WALLS
P-3A	SHERWIN WILLIAMS	SW0068	COPEN BLUE	EGSHEL	LOW VOC - EPOXY	RESTROOM WALLS
P-3B	SHERWIN WILLIAMS	SW0068	COPEN BLUE	SEMIGLOSS	LOW VOC - LATEX	ISLAND CABINETS/PANELS
P-4	SHERWIN WILLIAMS	SW9617	BEACHCOMBER	EGSHEL	LOW VOC - LATEX	ACCENT
P-5	SHERWIN WILLIAMS	SW6479	DRIZZLE	EGSHEL	LOW VOC - LATEX	ACCENT
P-6	SHERWIN WILLIAMS	SW7007	CEILING BRIGHT WHITE	FLAT	LOW VOC - LATEX	GYP CEILING U.N.O., STAIR CEILINGS
P-6A	SHERWIN WILLIAMS	SW7007	CEILING BRIGHT WHITE	EGSHEL	LOW VOC - EPOXY	RESTROOM GYP CEILING
P-7	SHERWIN WILLIAMS	SW6793	BLUEBELL	FLAT	LOW VOC - EPOXY	APPARATUS CEILING, AND AREAS NOTED ON FINISH PLAN
P-7B	SHERWIN WILLIAMS	SW6793	BLUEBELL	EGSHEL	LOW VOC - LATEX	WALLS AS NOTED ON FINISH PLANS AND ELEVATIONS
P-8	SHERWIN WILLIAMS	SW6793	BLUEBELL	FLAT	DRY FALL	MECH ROOM OPEN CEILING
P-9	SHERWIN WILLIAMS	SW7602	INDIGO BATIK	PREFINISHED	PREFINISHED COLOR TO MATCH SW	PRE-ENGINEERED METAL PAN STAIRS AND STRINGERS

TILE CODE SCHEDULE

FINISH CODE	MANUFACTURER	MFG. LINE	INSTALLATION	FINISH/SHEEN	TYPE	COLOR	SIZE	THICKNESS	GROUT MANUF	GROUT COLOR	REMARKS
T-1	TILE BAR	COLORONE	VERTICAL STACK	MATTE/GLOSSY	CEMENT	OCEAN BLEND	2"X8"	10MM	BOSTIK TRUCOLOR RAPID CURE	TBD	1/8" GROUT JOINT

PLASTIC LAMINATE CODE SCHEDULE

FINISH CODE	MANUFACTURER	MFG. NO	NAME	FINISH/SHEEN	FLAME SPREAD RATING	REMARKS
PL-1	WILSONART	Y0643K-12	BRUSHED WALNUT	SOFTGRAIN	CLASS I	PLAM CASEWORK U.N.O.
PL-2	WILSONART	4943-38	CLASSIC LINEN	FINE VELVET	CLASS I	COUNTERTOP IN DRY AREAS U.N.O.
PL-3	WILSONART	8208K-16	FAWN CYPRESS	CASUAL RUSTIC	CLASS I	KITCHEN, DAY ROOM ACCENT
PL-4	WILSONART	D427-12	LINEN	SOFTGRAIN	CLASS I	LOBBY CABINETS
PL-5	WILSONART	D307-60	HOLLYBERRY	MATTE FINISH	CLASS I	BUNK ROOM CABINET INTERIOR FACE

QUARTZ SURFACES CODE SCHEDULE

FINISH CODE	MANUFACTURER	TYPE	COLOR	EDGE PROFILE	THICKNESS	FLAME SPREAD RATING	REMARKS
QTZ-1	WILSONART	QUARTZ	RIO UPANO Q3008	EASED EDGE	3 CM	CLASS I	WET AREA COUNTERTOPS U.N.O.

SOLID SURFACE CODE SCHEDULE

FINISH CODE	MANUFACTURER	TYPE	COLOR	EDGE PROFILE	THICKNESS	FLAME SPREAD RATING	REMARKS
SSM-1	WILSONART	SOLID SURFACE	DESIGNER WHITE-D354SL	EASED EDGE	1.5"	CLASS I	ALL WINDOW SILLS U.N.O.

WOOD CODE SCHEDULE

FINISH CODE	MANUFACTURER	MFG. LINE	STYLE NO.	SIZE	COLOR	SPECIES	FINISH/SHEEN	FLAME SPREAD RATING	REMARKS
MDL-1	WINDSORONE OR EQ.	HEADER CAP	WOST001	7/16" X 1 1/16"	PAINT PER ELEV.	AS IS	SMOOTH PRE PRIMED	CLASS B	LOBBY TRIM CAP
MDL-2	WINDSORONE OR EQ.	CASING	WOST001	1" X 3"	PAINT PER ELEV.	AS IS	SMOOTH PRE PRIMED	CLASS B	DOOR/WINDOW TRIM SEE ELEVATIONS FOR LOCATIONS
MDL-3	WINDSORONE OR EQ.	CASING	S4SSE	1" X 4"	PAINT PER ELEV.	AS IS	SMOOTH PRE PRIMED	CLASS B	DOOR/WINDOW TOP TRIM
MDL-4	WINDSORONE OR EQ.	FLAT STOCK	CUSTOM CUT	1/2" X 6"	PAINT PER RCP.	AS IS	SMOOTH PRE PRIMED	CLASS B	CEILING TRIM PIECE
WD-1	ANTHOLOGY WOODS OR EQ.	SURFRIDER REDWOOD	T&G PROFILE	5/8" THICK X6 1/2"W X1'-5' RANDOM L	WHITE	SEQUOIA SEMPERVIRENS	LOW VOC FINISH	CLASS A FLAME RETARDANT	CUSTOM IMAGE TO BE ADDED AFTER INSTALLATION
WD-2	WINDSORONE	SHIPLAP	WORS6	3/4" X 5 1/2" X 16'	PAINT AS SCHED.	AS IS	SMOOTH SIDE OUT	CLASS B	VERTICAL APPLICATION AS SHOWN IN ELEVATIONS

WALL PROTECTION CODE SCHEDULE

FINISH CODE	MANUFACTURER	MFG. LINE	STYLE NO.	COLOR	SIZE	FLAME SPREAD RATING	REMARKS
WP-1	IN PRO	HIGH IMPACT CORNER GUARDS	160	FEATHER 0238	4'H X 2" WINGS 90DEGREE	CLASS I	ALL EXPOSED OUTSIDE CORNERS U.NO. 2ND FL
WP-2	IN PRO	HIGH IMPACT CORNER GUARDS	160	STORM CLOUD 0372	4'H X 2" WINGS 90DEGREE	CLASS I	2ND FL WHERE NOTED

BASE CODE SCHEDULE

FINISH CODE	MANUFACTURER	MFG. LINE	STYLE NO.	COLOR	SIZE	THICKNESS	FLAME SPREAD RATING	REMARKS
B-1	JOHNSONITE / TARKETT	MILLWORK- MANDALAY	MW-58-H6	WINDSOR BLUE	6"	.375"	CLASS I	TYP. U.N.O.
B-2	JOHNSONITE / TARKETT	MILLWORK MANDALAY	MW-55-H	SILVER GREY	4.5"	.375"	CLASS I	GYM
B-3	JOHNSONITE / TARKETT	4" COVE BASE	DC-58 W/ TOE	WINDSOR BLUE	4"	.125"	CLASS I	AS NOTED ON FINISH PLANS

EPOXY FLOORING/WALL CODE SCHEDULE

FINISH CODE	MANUFACTURER	MFG. LINE	COLOR	THICKNESS	FLAME SPREAD RATING	REP CONTACT	REMARKS
EPX-1	ELITE CRETE SYSTEMS	WOOD LOOK OVERLAY	CUSTOM PER RENDERING	1/8"	CLASS I	JON LOPEZ 239.898.8361	WITH 6" INTEGRAL BASE U.N.O./ ADD COVE STRIP
EPX-2	ELITE CRETE SYSTEMS	FLAKE CUSTOM BLEND	CUSTOM FLAKE FB501	1/8"	CLASS I	JON LOPEZ 239.898.8361	
EPX-3	ELITE CRETE SYSTEMS	HERMETIC QUARTZ	QB-1002 TUNDRA	1/8"	CLASS I	JON LOPEZ 239.898.8361	WITH 6" INTEGRAL BASE U.N.O./ ADD COVE STRIP/ ADD SCHLUTER JTRIM CAP
EPX-4	ELITE CRETE SYSTEMS	FLAKE	F5101 SEASPRAY	1/8"	CLASS I	JON LOPEZ 239.898.8361	2" STRIPE ON FLOOR
LOGO	ELITE CRETE SYSTEMS	CUSTOM LOGO	PER OWNER LOGO	1/8"	CLASS I	JON LOPEZ 239.898.8361	CUSTOM LOGO IMAGE PER OWNER

LUXURY VINYL TILE CODE SCHEDULE

FINISH CODE	MANUFACTURER	MFG. LINE	STYLE NAME	STYLE NO.	COLOR	SIZE	THICKNESS	INSTALLATION	FLAME SPREAD RATING	REMARKS
LVT	MANNINGTON COMMERCIAL	SPACIA	WOOD	SS5W2539	WORN ASH	7.25" X 48"	2.5 MM	STAGGERED	TYPE B CLASS III	ADHESIVE SHOULD BE MOISTURE LOC OR AMTICO RP-18

RUBBER CODE SCHEDULE

FINISH CODE	MANUFACTURER	MFG. LINE	TYPE	COLOR	SIZE	THICKNESS	FLAME SPREAD RATING	REMARKS
RF-1	JOHNSONITE / TARKETT	COLOR SPLASH	RTSP VK5 SQ – RAISED SQUARE	CAPE HATTERAS	24" X 24"	.125"	CLASS I	STAIR LANDINGS
RF-2	JOHNSONITE / TARKETT	COLOR SPLASH TREADS WITH RISERS	VIRNSQTR- RAISED SQ. SURFACE- ONE PIECE TREAD/RISER	CAPE HATTERAS	24" X 24"	.125"	CLASS I	STAIR TREAD RISER AND NOSING W. GREY GRIP TAPE
RF-3	ECORE INTERNATIONAL	MOXIE BEAST	RUBBER FLOOR TILE	1500 CREMA	24" X 24"	10MM	CLASS I	FITNESS CENTER
RF-4	ECORE INTERNATIONAL	ECO SURFACES CLASSIC	WAINSCOTT	2607 BEACH GLASS	48" ROLL	3.2MM	CLASS I	WAINSCOTT GYM WALLS
RF-5	ECORE INTERNATIONAL	PLAYGUARD	RUBBER FLOOR TILE	PG79 LICORICE	24" X 24"	63.5MM	CLASS I	ROOFTOP TRAINING

CONCRETE CODE SCHEDULE

FINISH CODE	MANUFACTURER	MFG. LINE	COLOR	EDGE PROFILE	THICKNESS	SEALER	FLAME SPREAD RATING	REMARKS
C-1	TRUEFORM CONCRETE	CLASSIC-2023HB7	PEWTER	EASED EDGE	1 1/2"	Yes	CLASS I	OUTDOOR COUNTERTOP
C-2	BROOM FINISHED CONCRETE	N/A	N/A	N/A		Yes	CLASS I	OUTDOOR USE

MISCELLANEOUS CODE SCHEDULE

FINISH CODE	MANUFACTURER/ARTIST	MFG. LINE	STYLE NO.	TYPE	SIZE	COLOR OR IMAGE	REMARKS
HDW-1	AMEROCK	ALLISON BY AMEROCK	BP36852G10	REVOLVE CABINET PULL	3-3/4" CENTER TO CENTER	SATIN NICKEL	HARDWARE FOR KITCHEN & RESTROOMS
HDW-2	AMEROCK	EVERYDAY BASICS	943SCH	EVERYDAY HERITAGE	4" CENTER TO CENTER	BRUSHED CHROME	HARDWARE FOR ALL AREAS U.N.O.
MISC-1	TBD -LOCAL ARTIST	N/A	CUSTOM IMAGE	PAINTED GRAPHIC-TO BE ALTERED FROM IMAGE INSPIRATION	FULL H & WALL TO WALL	SANIBEL ISLAND MAP	REFER TO REFERENCE IMAGE FOR IMAGE INTENT.-ID TO COORDINATE WITH CONTRACTOR &VENDOR
MISC-2	THE MIRROR COMPANY OR EQ	FRAMELESS	CUT TO SIZE	TEMPERED	4'WX6'H	N/A	REFER TO INTERIOR ELEV. FOR ACTUAL SIZING
MISC-3	HUNTER DOUGLAS OR EQ.	ROLLER SHADE FR- DUAL MANUAL		INSIDE MOUNT SHEARWEAVE 7000 BLACKOUT/3%OPENNESS, SHEARWEAVE PERFORMANCE	PER WINDOW	WHITE/ OYSTER	BEADED LOOP,BUNK ROOMS-INSIDE MOUNT W/ MATCHING FACIA
MISC-4	HUNTER DOUGLAS OR EQ.	ROLLER SHADE FR-SINGLE MANUAL		INSIDE MOUNT, 3% OPENNESS,SHEARWEAVE PERFORMANCE	PER WINDOW	OYSTER	BEADED LOOP,ALL OTHER WINDOWS- INSIDE MOUNT W/ MATCHING FACIA
MISC-5	TARKETT	JOHNSONITE COVE CAP		SCC-58-B	N/A	MOONROCK	TOP OF RUBBER WAINSCOTT IN GYM.
MISC-6	AZEK EXTERIORS OR EQ	TONGUE & GROOVE		SHIPLAP	1" x 6"	MATTE WHITE	LOBBY
MISC-7	MDC OR EQ.	DIGITAL STUDIO-DIGITAL IMAGING	CUSTOM IMAGE	VINYL WALLCOVERING	FULL H & WALL TO WALL	NAUTICAL MAP	REFER TO REFERENCE IMAGE FOR IMAGE INTENT.-ID TO COORDINATE WITH CONTRACTOR &VENDOR
MISC-8	TBD -LOCAL ARTIST	N/A	CUSTOM IMAGE	PAINTED GRAPHIC- FINEARTAMERICA.COM-IRA SHANDLER	FULL H & WALL TO WALL	SANIBEL LIGHTHOUSE	REFER TO REFERENCE IMAGE FOR IMAGE INTENT.-ID TO COORDINATE WITH CONTRACTOR &VENDOR
MISC-9	MDC OR EQ.	DIGITAL STUDIO-DIGITAL IMAGING	CUSTOM IMAGE	VINYL	FULL H & WALL TO WALL	SCORPION- ADOBE STOCK #288256816	FINAL IMAGE TO BE CHOOSEN BY OWNER-ID TO COORDINATE WITH CONTRACTOR &VENDOR
MISC-10	CORNELL INNOVATIVE DOOR SOLUTIONS	IMAGE MATCH	CUSTOM IMAGE	CUSTOM GRAPHIC ON ROLLING GRILL	TBD W/MANF.	BRUISED BUT NOT BROKEN LOGO	IMAGE PLACEMENT TO BE COORDINATED WITH VENDOR AND INTERIOR DESIGNER
MISC-11	WYOMING METALSMITHS	WROUGHT IRON HANDRAILS	CUSTOM IMAGE	IRON ROPE HANDRAIL	TBD	WROUGHT IRON	SIZING PER CODE REQUIREMENTS
MISC-12	MATT HATTFIELD ART	BRICK WALL GRAPHIC	CUSTOM IMAGE	CAST VINYL GLOSSY-WITH LAMINATION	SEE ELEV.	TBD BY OWNER	FINAL IMAGE TO BE CHOOSEN BY OWNER-ID TO COORDINATE WITH CONTRACTOR &VENDOR
SKIM-2	STUCCO SKIM COAT	TBD		SMOOTH			STAIR TOWER CENTER SHAFT

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
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REVISIONS

MARK	DESCRIPTION	DATE

COMM. NO.: 2023820
ISSUE DATE: 01.05.2024
DRAWN BY: Author

INTERIOR FINISH SCHEDULE, LEGENDS AND DETAILS

A160

100% CONSTRUCTION DOCUMENTS

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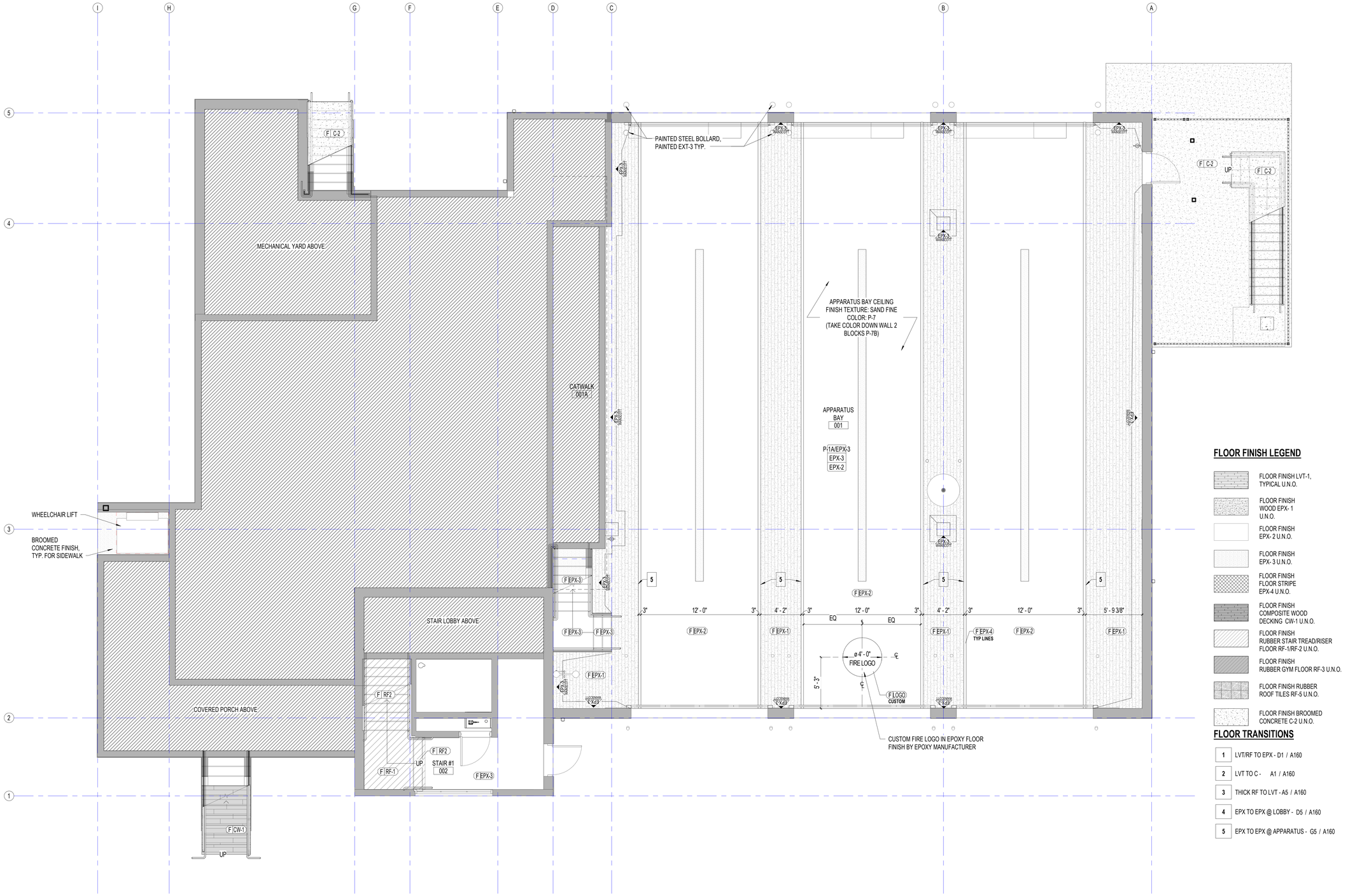

FLOOR FINISH LEGEND

- FLOOR FINISH LVT-1, TYPICAL U.N.O.
- FLOOR FINISH WOOD EPX- 1 U.N.O.
- FLOOR FINISH EPX- 2 U.N.O.
- FLOOR FINISH EPX- 3 U.N.O.
- FLOOR FINISH FLOOR STRIPE EPX-4 U.N.O.
- FLOOR FINISH COMPOSITE WOOD DECKING CW-1 U.N.O.
- FLOOR FINISH RUBBER STAIR TREAD/RISER FLOOR RF-1/RF-2 U.N.O.
- FLOOR FINISH RUBBER GYM FLOOR RF-3 U.N.O.
- FLOOR FINISH RUBBER ROOF TILES RF-5 U.N.O.
- FLOOR FINISH BROOMED CONCRETE C-2 U.N.O.

FLOOR TRANSITIONS

1	LVT/RF TO EPX - D1 / A160
2	LVT TO C - A1 / A160
3	THICK RF TO LVT - A5 / A160
4	EPX TO EPX @ LOBBY - D5 / A160
5	EPX TO EPX @ APPARATUS - G5 / A160

A1
1/4" = 1'-0"

FINISH PLAN - APPARATUS BAY

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FINISH PLAN -APPARATUS BAY

A160-A
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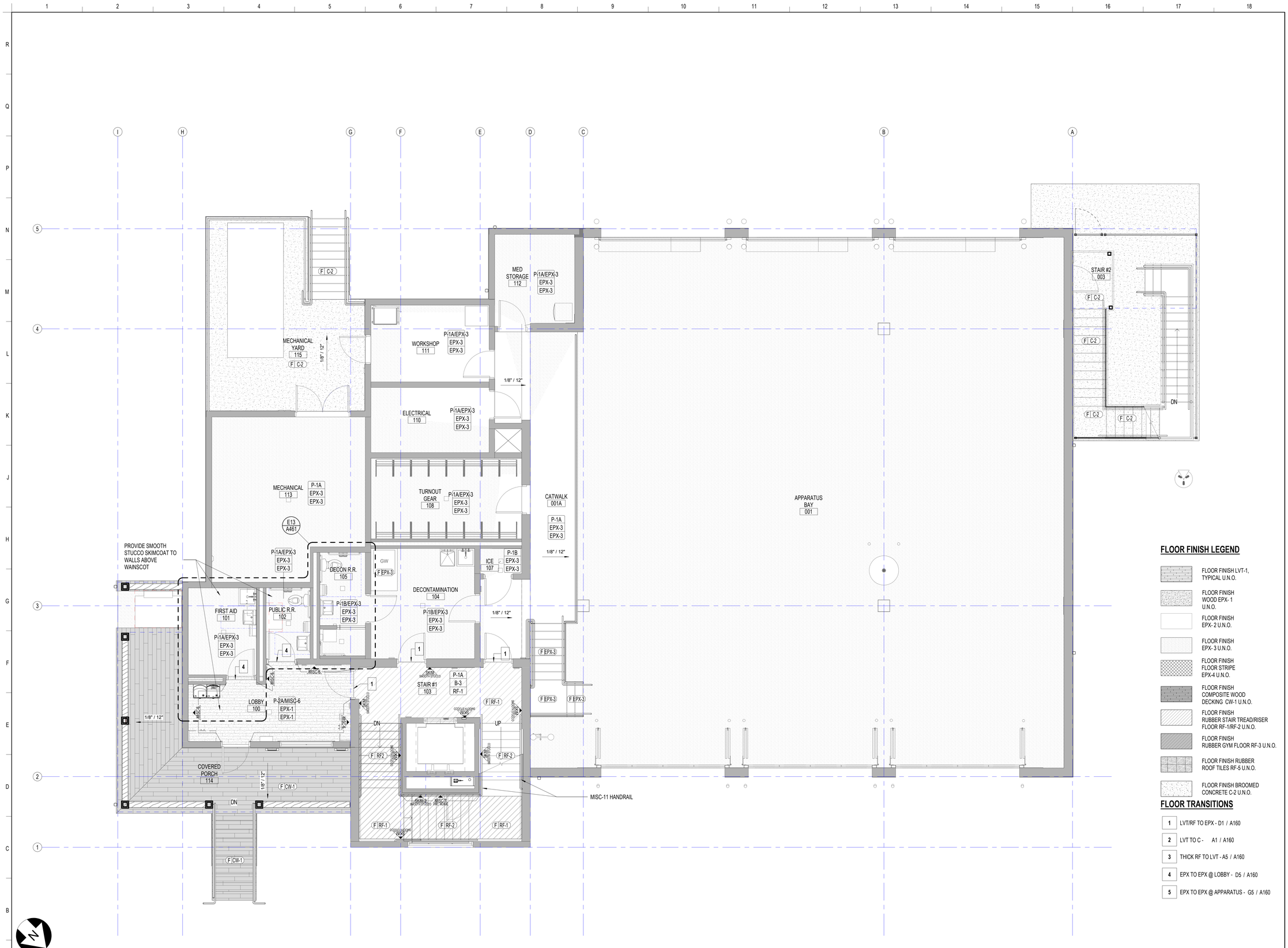

FLOOR FINISH LEGEND

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- FLOOR FINISH WOOD EPX- 1 U.N.O.
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- FLOOR FINISH EPX- 3 U.N.O.
- FLOOR FINISH FLOOR STRIPE EPX-4 U.N.O.
- FLOOR FINISH COMPOSITE WOOD DECKING CW-1 U.N.O.
- FLOOR FINISH RUBBER STAIR TREAD/RISER FLOOR RF-1/RF-2 U.N.O.
- FLOOR FINISH RUBBER GYM FLOOR RF-3 U.N.O.
- FLOOR FINISH RUBBER ROOF TILES RF-5 U.N.O.
- FLOOR FINISH BROOMED CONCRETE C-2 U.N.O.

FLOOR TRANSITIONS

1. LVT/RF TO EPX - D1 / A160
2. LVT TO C - A1 / A160
3. THICK RF TO LVT - A5 / A160
4. EPX TO EPX @ LOBBY - D5 / A160
5. EPX TO EPX @ APPARATUS - G5 / A160

A1 — FINISH PLAN - FIRST FLOOR
1/4" = 1'-0"

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FINISH PLAN - FIRST FLOOR

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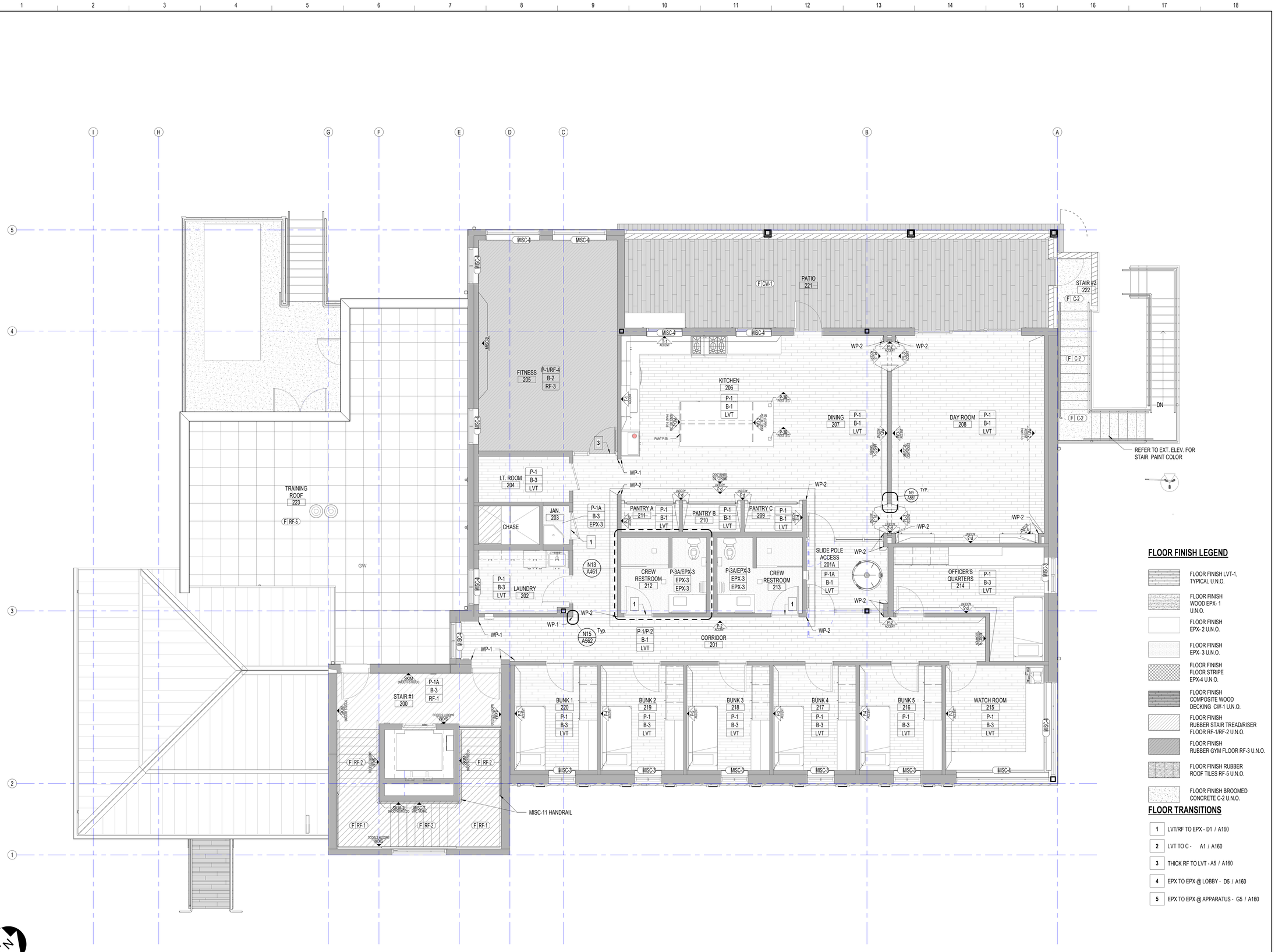

FLOOR FINISH LEGEND

- FLOOR FINISH LVT-1, TYPICAL U.N.O.
- FLOOR FINISH WOOD EPX- 1 U.N.O.
- FLOOR FINISH EPX- 2 U.N.O.
- FLOOR FINISH EPX- 3 U.N.O.
- FLOOR FINISH FLOOR STRIPE EPX-4 U.N.O.
- FLOOR FINISH COMPOSITE WOOD DECKING CW-1 U.N.O.
- FLOOR FINISH RUBBER STAIR TREAD/RISER FLOOR RF-1/RF-2 U.N.O.
- FLOOR FINISH RUBBER GYM FLOOR RF-3 U.N.O.
- FLOOR FINISH RUBBER ROOF TILES RF-5 U.N.O.
- FLOOR FINISH BROOMED CONCRETE C-2 U.N.O.

FLOOR TRANSITIONS

1. LVT/RF TO EPX - D1 / A160
2. LVT TO C - A1 / A160
3. THICK RF TO LVT - A5 / A160
4. EPX TO EPX @ LOBBY - D5 / A160
5. EPX TO EPX @ APPARATUS - G5 / A160

A1 FINISH PLAN - SECOND FLOOR

1/4" = 1'-0"

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SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

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FINISH PLAN - SECOND FLOOR

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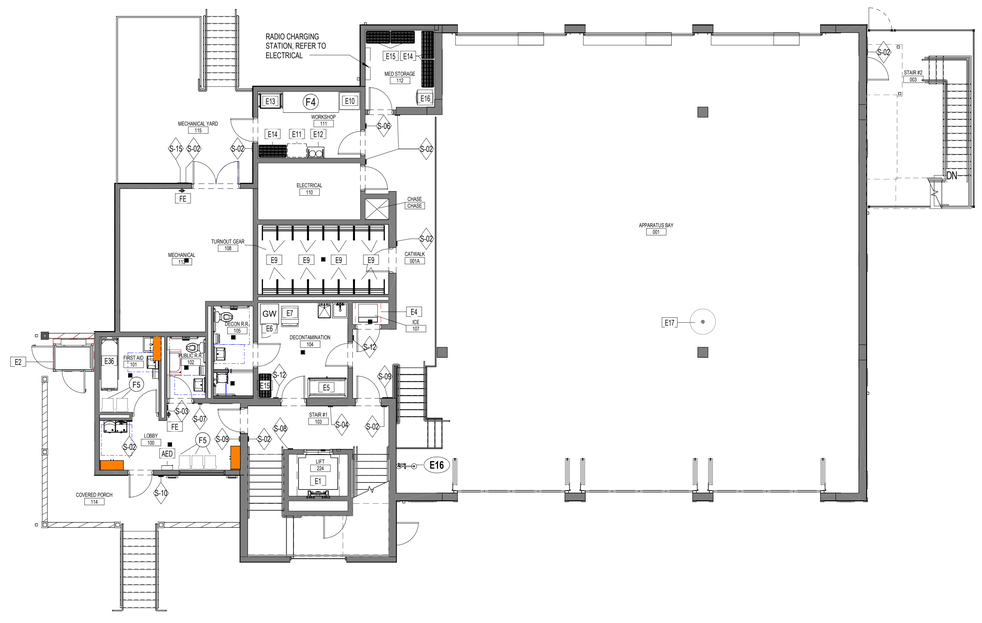
J1 FURNITURE AND EQUIPMENT PLAN - SECOND FLOOR

1/8" = 1'-0"



A1 FURNITURE AND EQUIPMENT PLAN - FIRST FLOOR

1/8" = 1'-0"

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL/ ITEM#	CONTRACTOR FURNISH	CONTRACTOR INSTALL	OWNER FURNISH	OWNER INSTALL	MECH. COORD.	ELEC. COORD.	PLUMB. COORD.	COMMENTS
E1	HYDRAULIC COMMERCIAL PLATFORM LIFT	Garaventa Lift	Elvoron-CPL	Yes	Yes	No	No	Yes	Yes	No	
E2	SELF-CONTAINED VERTICAL PLATFORM LIFT	Garaventa Lift	Genesis Enclosure	Yes	Yes	No	No	No	Yes	No	
E4	ICE MAKER, UNDERCOUNTER	Manitowoc Ice	UYF0310A-161	Yes	Yes	No	No	Yes	Yes	Yes	
E5	FIREMAN'S PPE DRYING CABINET	UNIMAC	UTGC6	No	No	Yes	Yes	Yes	Yes	No	
E6	COMMERCIAL WASHER / EXTRACTOR	READY RACK	WASHER EXTRACTOR 35	No	No	Yes	Yes	Yes	Yes	Yes	
E7	3.5 CU.FT LONG VENT ELECTRIC STACKED LAUNDRY CENTER	BY OWNER	BY OWNER	No	No	Yes	Yes	Yes	Yes	Yes	
E9	WALL-MOUNTED LOCKER	READY RACK	24" WALL MOUNTED RED RACK	Yes	Yes	No	No				ADD BACKING AS REQUIRED
E10	3.7HP 60-GAL VERTICAL TANK AIR COMPRESSOR	NORTHSTAR	#75711	No	No	Yes	Yes	Yes	Yes	Yes	PROVIDE 8" STAND FOR MOUNTING
E11	SCUBA TANK FILLER	BAUER COMPRESSORS	CFS5.5-2S	No	No	Yes	Yes		Yes	Yes	FUTURE
E12	SCUBA TANK STORAGE RACK	BAUER COMPRESSORS	UN5000	No	No	Yes	Yes	No	Yes	Yes	
E13	MOBILE MECHANIC'S TOOL CHEST			No	No	Yes	Yes				
E14	WIRE RACK SHELVING W/ LOCKABLE CASTERS - 18"w x 42"d x 60"h			No	No	Yes	Yes				
E15	WIRE RACK SHELVING W/ LOCKABLE CASTERS - 18"w x 36"d x 60"h			No	No	Yes	Yes				
E16	5.1 CU.FT. UNDERCOUNTER REFRIGERATOR	WHIRLPOOL	WUR50X24HZ	No	No	Yes	Yes		Yes		
E17	FIRE SLIDE POLE	MCINTIRE BRASS WORKS, INC.	MODEL 23	Yes	Yes	No	No		Yes		
E18	48" GAS RANGE, 6 BURNERS, INFRARED GRIDDLE	WOLF	GR486G-LP	Yes	Yes	No	No	Yes	Yes	Yes	
E19	48" STAINLESS STEEL WALL HOOD, 27" DEPTH, LED LIGHTING	WOLF	PW482718	Yes	Yes	No	No	Yes	Yes		
E20	UNDERCOUNTER DISHWASHER	WHIRLPOOL	WDT750SAKZ	No	No	Yes	Yes		Yes	Yes	
E21	GARBAGE DISPOSAL 3/4HP	INSINKERATOR	5XP	Yes	Yes	No	No		Yes	Yes	
E22	COUNTERTOP MICROWAVE	WHIRLPOOL	WMH32519HZ	No	No	Yes	Yes		Yes		
E23	FRENCH DOOR REFRIGERATOR - 25.2 CU. FT.	WHIRLPOOL	WRF560SMHZ	No	No	Yes	Yes		Yes		
E24	TOASTER OVEN	BY OWNER	BY OWNER	No	No	Yes	Yes		Yes		
E25	COFFEE MAKER	BY OWNER	BY OWNER	No	No	Yes	Yes	No	Yes	No	
E26	ELECTRIC FRONT LOAD DRYER	BY OWNER	BY OWNER	No	No	Yes	Yes	Yes	Yes	Yes	
E27	FRONT LOAD WASHER	BY OWNER	BY OWNER	No	No	Yes	Yes		Yes	Yes	
E28	4-BURNER L.P. GAS GRILL	WEBER	SUMMIT S-470	No	No	Yes	Yes	Yes		Yes	
E29	48" STAINLESS STEEL WALL HOOD, 27" DEPTH, LED LIGHTING	WOLF	PW482718	Yes	Yes	No	No	Yes	Yes		EXTERIOR HOOD
E31	TELEVISION - 85"	SONY PROFESSIONAL	BRAVIA FW-85BZ40H	No	No	Yes	Yes		Yes		ADD BACKING AND TV BRACKET
E32	TELEVISION - 32"	SAMSUNG	32ES6305U	No	No	Yes	Yes		Yes		ADD BACKING AND TV BRACKET
E33	TELEVISION - 32"	SAMSUNG	32ES6305U	No	No	Yes	Yes		Yes		ADD BACKING AND TV BRACKET
E34	WASTE BASKET	BY OWNER	BY OWNER	No	No	Yes	Yes				
E35	PRINTER	BY OWNER	BY OWNER	No	No	Yes	Yes		Yes		
E36	Strecher	Hill-Rom Co.	BY OWNER	No	No	Yes	Yes				
E37	CUSTOM INDUSTRIAL VINTAGE	JTINDUSTRIALDESIGN S-ETSY	CUSTOM	No	No	Yes	Yes				PINE STAINED GOLDEN OAK W/ BLACK IRON PIPE; ADD BACKING AS REQUIRED
E38	EXISTING TOWER								Yes		EXISTING RADIO COMMUNICATIONS TOWER TO REMAIN

EQUIPMENT SCHEDULE - FITNESS

MARK	DESCRIPTION	MANUFACTURER	MODEL/ ITEM#	CONTRACTOR FURNISH	CONTRACTOR INSTALL	OWNER FURNISH	OWNER INSTALL	MECH. COORD.	ELEC. COORD.	PLUMB COORD.	COMMENTS
X1	GLUTE / HAMSTRING DEVELOPER	ROGUE FITNESS	ABRAM GHD 2.0			YES	YES				
X2	60" HORIZONTAL BARBELL RACK	HOIST FITNESS	HF-5461-60			YES	YES				PROVIDE BARBELLS RUBBER HEX SET - FITNESS RM
X3	TREADMILL	CYBEX	R SERIES			YES	YES		Yes		FITNESS ROOM
X4	AIR BIKE	ROGUE FITNESS	ECHO BIKE V3.0			YES	YES		Yes		
X6	SQUAT EXERCISE RACK	ROGUE FITNESS	MONSTER RM-390F			YES	YES				
X7	ADJUSTABLE BENCH	ROGUE FITNESS	ADJUSTABLE 3.0			YES	YES				
X8	FUNCTIONAL TRAINER	PRIME FITNESS USA	PRODIGY HLP SINGLE STACK			YES	YES				

FURNITURE SCHEDULE

MARK	DESCRIPTION	QUANTITY	COMMENTS
F1	ARMCHAIR, RECLINING	6	BY OWNER
F2	ERGONOMIC TASK CHAIR	8	BY OWNER
F3	DINING TABLE	1	BY OWNER
F4	WORKBENCH	1	BY OWNER
F5	MEETING CHAIR	5	BY OWNER
F6	DINING CHAIR	8	BY OWNER
F8	STOOL, COUNTER HEIGHT	4	BY OWNER
F10	PATIO DINING CHAIR	6	EXTERIOR RATED FINISHES
F11	PATIO DINING TABLE	2	EXTERIOR RATED FINISHES, 24"W X 78"L
F12	PATIO LOUNGE CHAIR	2	BY OWNER
F13	PATIO SIDE TABLE	2	BY OWNER
F14	CREDENZA - 60"W X 18"D X 28"H	1	BY OWNER

NOTES:
1.) ALL FURNITURE BY OWNER.

SIGNAGE SCHEDULE

SIGNAGE MARK	COUNT	DESCRIPTION
S-02	15	ROOM NAME AND NUMBER SIGN
S-03	1	MAX. CAPACITY SIGN
S-04	2	EVACUATION MAP
S-06	1	NFPA 704 DIAMOND
S-07	1	UNISEX RESTROOM SIGN
S-08	2	FIRE STAIR EVACUATION SIGN
S-09	3	STAIR SIGN
S-10	1	STATION IDENTIFICATION SIGN
S-12	2	NO FIRE GEAR SIGN
S-15	1	NO STORAGE SIGN

NOTES:
1.) REFER TO SIGNAGE TYPES ON SHEET A190.

GENERAL NOTES:

CASEWORK & FURNITURE LEGEND

CASEWORK* * DIMENSIONS & NOMENCLATURE SEE MILLWORK SHEETS

FURNITURE / WORKSTATIONS

- TV MONITORS BRACKETS ARE TO BE PROVIDED & INSTALLED BY CONTRACTOR.
-CONTRACTOR TO OBTAIN BRACKET SPEC FROM OWNER.
-CONTRACTOR PROVIDE ADEQUATE BLOCKING & BACKING SUBSTRATE WITHIN THE WALLS TO SUPPORT MONITORS

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EQUIPMENT AND FURNITURE PLANS

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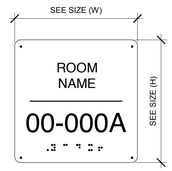


ROOM NAME & NUMBER SIGN

SIZE: 7 1/2" W X 7 1/2" H

MOUNTING HEIGHT: 60" TO CENTER

FONT SIZE: 5/8" W/ 1/16" RULE ROOM NAME & 1 1/2" NUMERALS

RADIUS CORNER: 1/2"

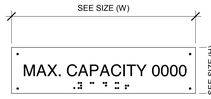
FONT: HELVETICA MEDIUM, UPPER CASE

COLOR: BACKGROUND: TBD
LETTERS: WHITE

BRAILLE: DOMED GRADE 2

PROVIDE COLOR MATCHED BACKPLATE AT GLASS PANEL LOCATIONS

S-02 SIGN_ROOM NAME



MAXIMUM CAPACITY SIGN

SIZE: 12" W X 3" H

MOUNTING HEIGHT: 60" TO CENTER

FONT SIZE: 3/4"

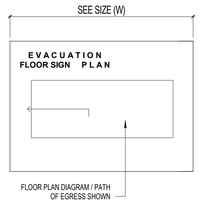
RADIUS CORNER: 1/2"

FONT: HELVETICA MEDIUM, UPPER CASE

COLOR: BACKGROUND: TBD
LETTERS: WHITE

BRAILLE: DOMED GRADE 2

S03 - MAX CAPACITY SIGN



EVACUATION SIGN

SIZE: 12" W X 8 1/2" H

MOUNTING HEIGHT: 60" TO CENTER

FONT SIZE: 1/4"

FONT: HELVETICA MEDIUM, UPPER CASE

COLOR: BACKGROUND: TBD
LETTERS: RED

S-04 SIGN_EVACUATION MAP

RESTROOM (MALE) SIGN

SIZE: 7 1/2" W X 10 1/2" H

MOUNTING HEIGHT: 60" TO CENTER

FONT SIZE: 3/4"

SYMBOL SIZE: 3" HIGH

RADIUS CORNER: 1/2"

FONT: HELVETICA MEDIUM, UPPER CASE

COLOR: BACKGROUND: TBD
LETTERS: WHITE

BRAILLE: DOMED GRADE 2

TEXT IS TO READ AS DESIGNATED PER ROOM AS SHOWN ON THE SIGNAGE FLOOR PLANS

S-07 SIGN_UNISEX RR

EGRESS SIGN

SIZE: 7 3/4" W X 10" H

MOUNTING HEIGHT: 60" TO CENTER

FONT SIZE: 3/4"

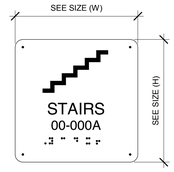
RADIUS CORNER: 1/2"

FONT: HELVETICA MEDIUM, UPPER CASE

COLOR: BACKGROUND: TBD
LETTERS: WHITE

BRAILLE: DOMED GRADE 2

S-08 SIGN_FIRE STAIR EVACUATION



STAIR SIGN

SIZE: 7 1/2" W X 7 1/2" H

MOUNTING HEIGHT: 60" TO CENTER

FONT SIZE: 3/4"

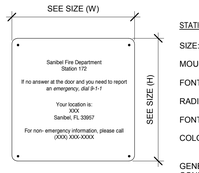
RADIUS CORNER: 1/2"

FONT: HELVETICA MEDIUM, UPPER CASE

COLOR: BACKGROUND: TBD
LETTERS: WHITE

BRAILLE: DOMED GRADE 2

S-09 SIGN_STAIR SIGN



STATION IDENTIFICATION SIGN

SIZE: 7 1/2" W X 7 1/2" H

MOUNTING HEIGHT: 60" TO CENTER

FONT SIZE: 9/32"

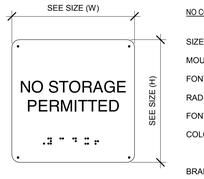
RADIUS CORNER: 1/2"

FONT: HELVETICA MEDIUM

COLOR: BACKGROUND: TBD
LETTERS: WHITE

GENERAL NOTE: CONTRACTOR TO CONFIRM PHONE NUMBER AND MESSAGE SHOWN WITH OWNER PRIOR TO SHOP DWG.REVIEW

S-10 STATION IDENTIFICATION SIGN



NO COMBUSTIBLE STORAGE SIGN

SIZE: 7 1/2" W X 7 1/2" H

MOUNTING HEIGHT: 60" TO CENTER

FONT SIZE: 3/4"

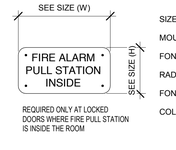
RADIUS CORNER: 1/2"

FONT: HELVETICA MEDIUM, UPPER CASE

COLOR: BACKGROUND: TBD
LETTERS: WHITE

BRAILLE: DOMED GRADE 2

S-15 SIGN_NO STORAGE PERMITTED



FIRE ALARM PULL STATION

SIZE: 7 1/2" W X 3" H

MOUNTING HEIGHT: 60" TO CENTER

FONT SIZE: 1/2"

RADIUS CORNER: 1/2"

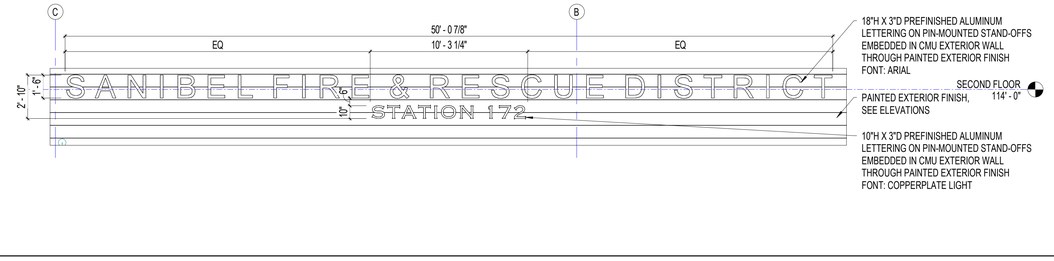
FONT: HELVETICA MEDIUM, UPPER CASE

COLOR: BACKGROUND: TBD
LETTERS: WHITE

REQUIRED ONLY AT LOCKED DOORS WHERE FIRE PULL STATION IS INSIDE THE ROOM

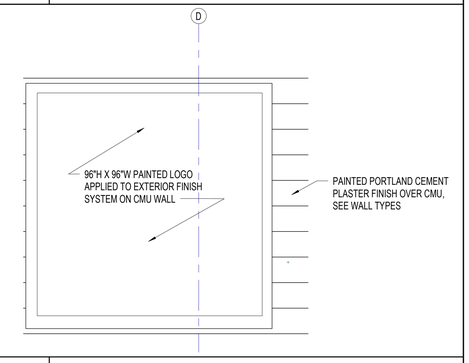
COORDINATE LOCATIONS WITH MEP & FIRE ALARM PLANS

S-19 SIGN_FIRE ALARM PULL STATION



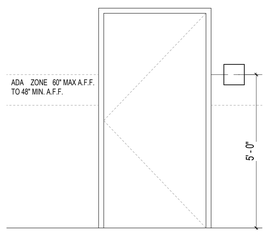
G1 SIGNAGE DETAIL - LETTERING

1/4" = 1'-0"



G15 LOGO SIGNAGE DETAIL - REAR

1/2" = 1'-0"



INSTALLATION NOTES:

1. INSTALL 60" ABOVE FIN. FL. TO THE CENTERLINE OF THE SIGN ON THE NEAREST ADJACENT WALL TO THE LATCH SIDE OF DOOR APPROACHABLE WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR WITHOUT STANDING WITHIN THE SWING OF THE DOOR.
2. MEASUREMENTS TO BE MADE FROM INSIDE OF DOOR MOLDING.
3. AT OPENINGS WITH NO WALL SPACE AT LATCH SIDE OF DOOR, PLACE SIGN ON NEAREST ADJACENT WALL.
4. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF.
5. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED ON THE RIGHT OF THE RIGHT HAND DOOR.
6. WHERE SIGN OCCURS ON GLASS, PROVIDE MATCHING ACRYLIC BACKER PLATE.

A1 SIGN INSTALLATION DETAILS

1/2" = 1'-0"

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SIGNAGE TYPES & NOTES

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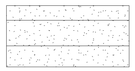
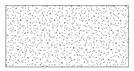


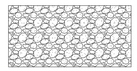
EXT-1
PAINTED PORTLAND CEMENT STUCCO W/ LAP SIDING BEAD
COLOR: SW7637 OYSTER WHITE

TRIM AROUND WINDOWS AND DOORS, COLORL SW7005 PUREWHITE

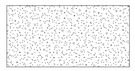


EXT-6
PAINTED PORTLAND CEMENT STUCCO
COLOR: SW7637 OYSTER WHITE

EXT-7
HIGH REFLECTIVE PAINTED PVC COLUMN/BEAM WRAP W/ WOODGRAIN TEXTURE
COLOR: SW6101 SANDS OF TIME



EXT-8
SEALED TABBY CONCRETE W/ COQUINA SANIBEL SHELL



EXT-9
PAINTED PORTLAND CEMENT STUCCO
COLOR: SW6101 SANDS OF TIME

STANDING SEAM METAL ROOF PANEL
FINISH: SILVER

EXTERIOR FINISH LEGEND

EXTERIOR CODE SCHEDULE

FINISH CODE	MANUFACTURER	COLOR NO/COLLECTION	COLOR OR IMAGE	FINISH/SHEEN	SIZE/TYPE	FLAME SPREAD RATING	REMARKS
CW-1	TIMBERTECH BY AZEK	VINTAGE COLLECTION	WEATHERED TEAK		5.5"	CLASS A	
EPX-3							
EXT-1	SHERWIN WILLIAMS	SW7637	OYSTER WHITE	SEMI-GLOSS	EXTERIOR LATEX		REFER TO EXT. ELEV.
EXT-2	SHERWIN WILLIAMS	SW7005	PURE WHITE	SEMI-GLOSS	EXTERIOR LATEX		REFER TO EXT. ELEV.
EXT-3	SHERWIN WILLIAMS	SW6793	BLUEBELL	SEMI-GLOSS	EXTERIOR LATEX		REFER TO EXT. ELEV.
EXT-5	SHERWIN WILLIAMS	SW7624	SLATE TILE	SEMI-GLOSS	EXTERIOR LATEX		REFER TO EXT. ELEV.
EXT-8	TABBY CONCRETE	TBD	TBD		EXTERIOR LATEX		REFER TO EXT. ELEV.
SKIM	STUCCO SKIM COAT	TBD	SEE PLAN				SEE FINISH PLANS AND ELEVATONS FOR LOCATIONS.

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EXTERIOR FINISH LEGEND

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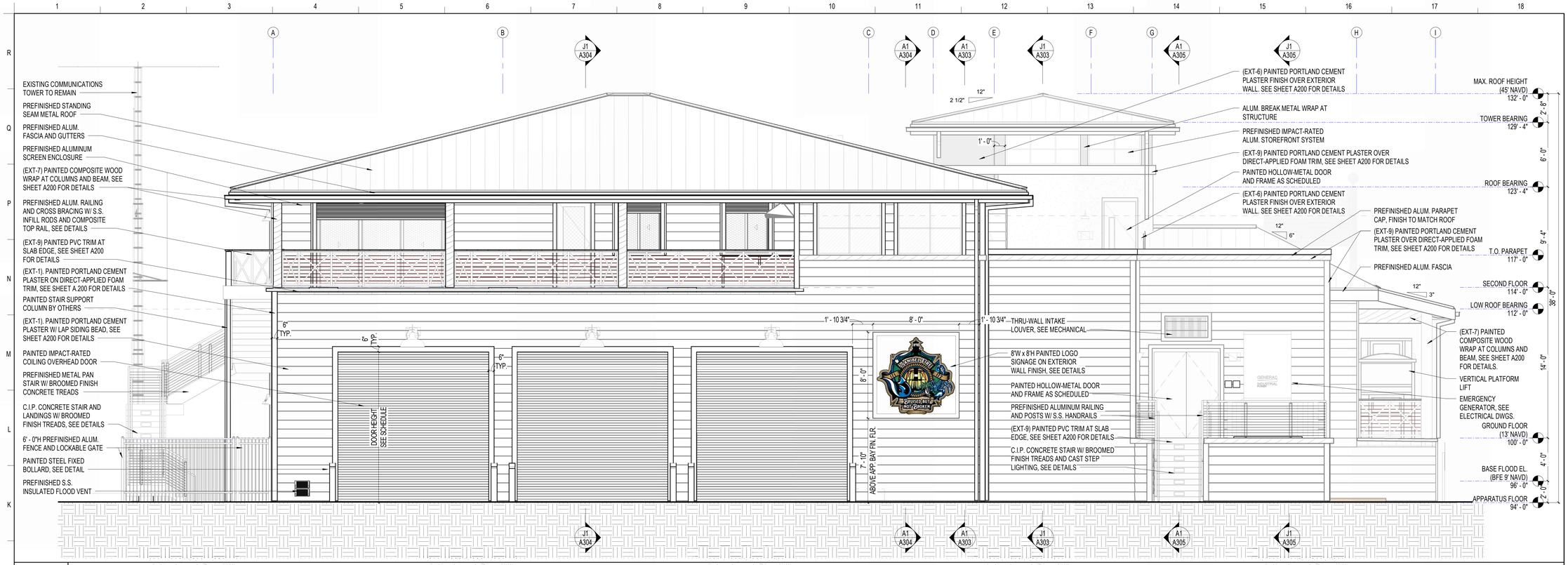
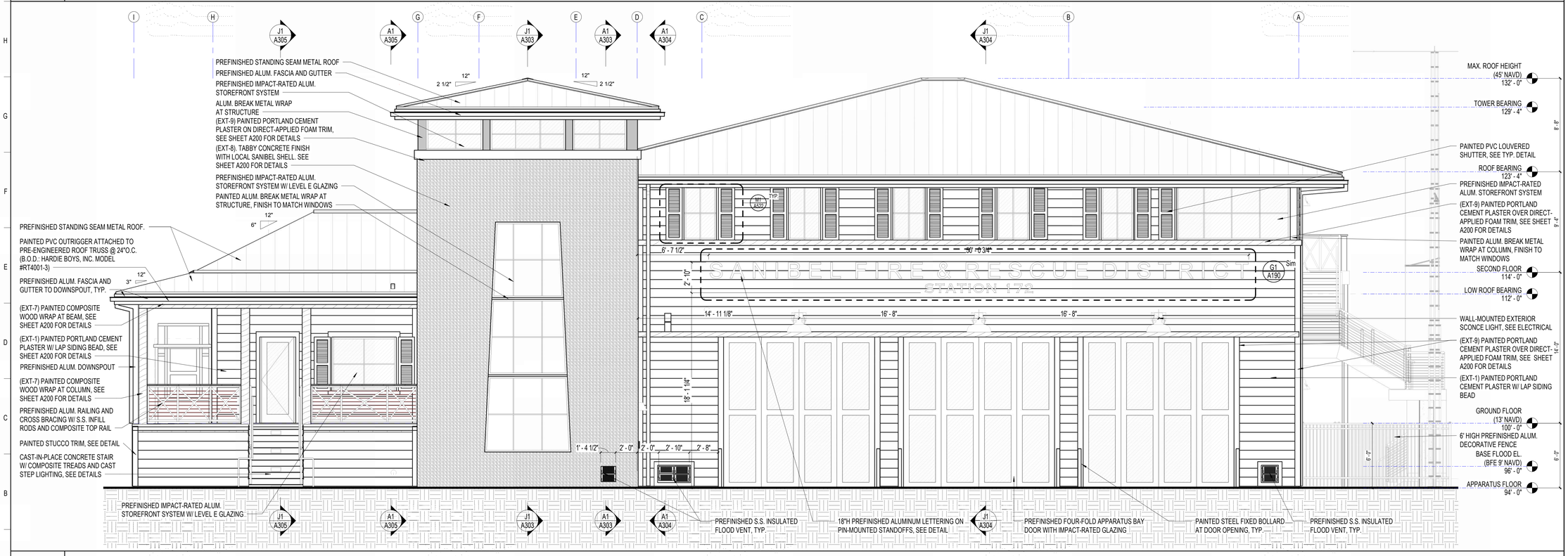


J1

1/4" = 1'-0"

REAR ELEVATION - SOUTH



A1

1/4" = 1'-0"

FRONT ELEVATION - NORTH

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SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

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EXTERIOR ELEVATIONS

A201

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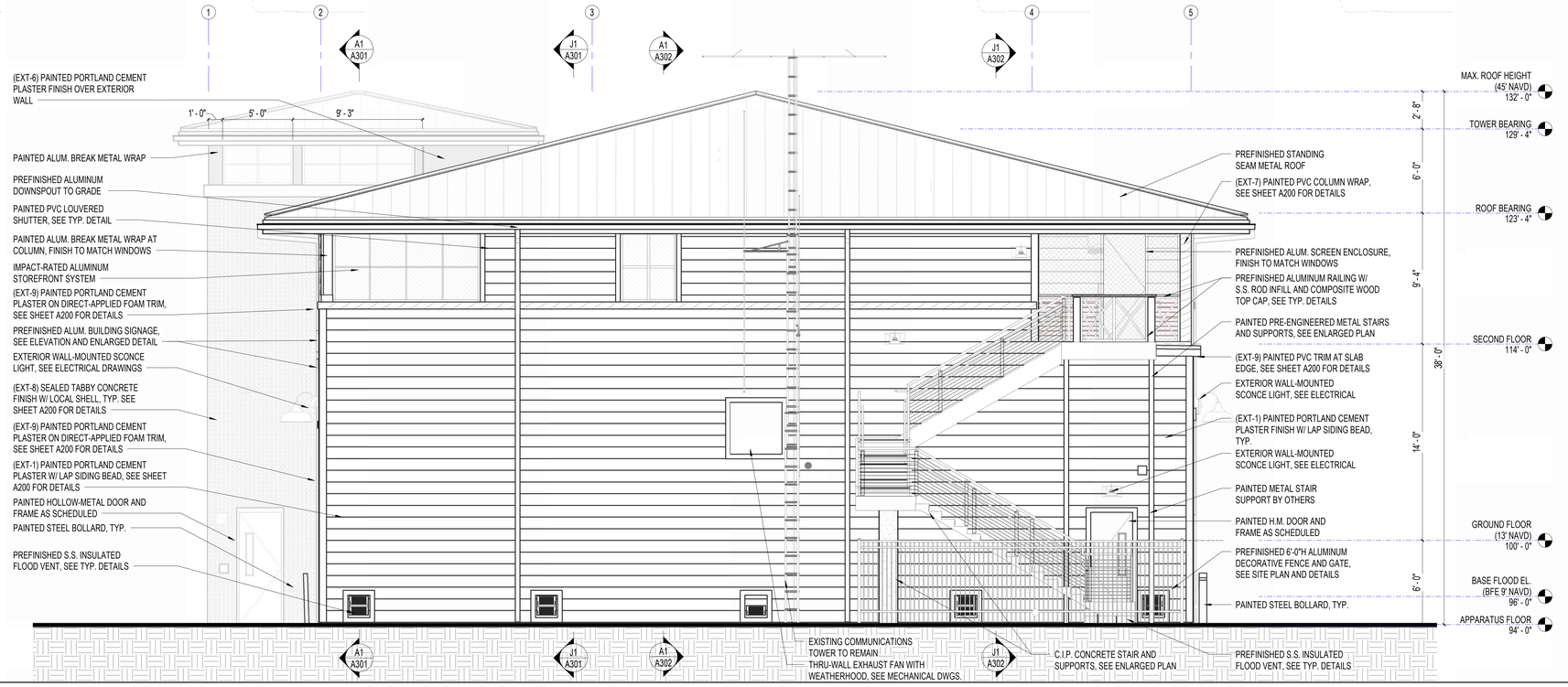
J1 — SIDE ELEVATION - EAST

1/4" = 1'-0"



A1 — SIDE ELEVATION - WEST

1/4" = 1'-0"

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EXTERIOR ELEVATIONS

A202
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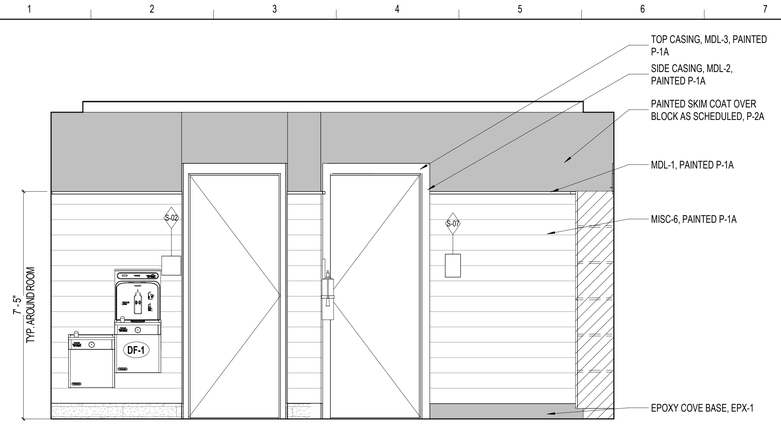
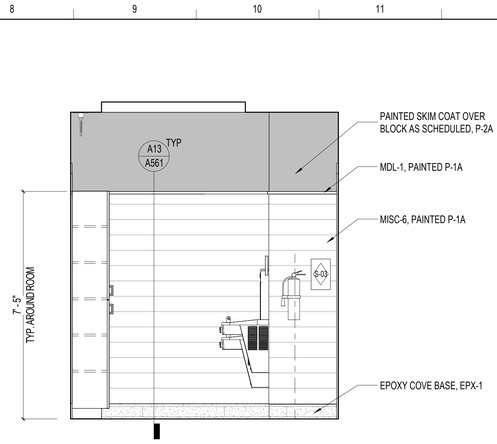


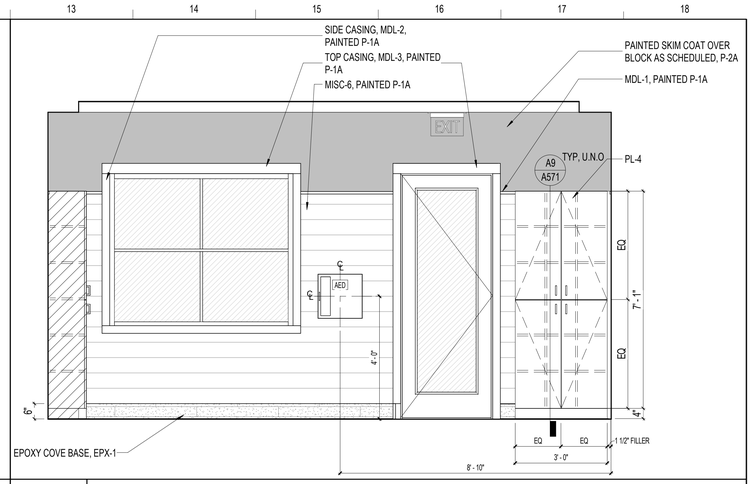
M1 INTERIOR ELEVATION - LOBBY

1/2" = 1'-0"



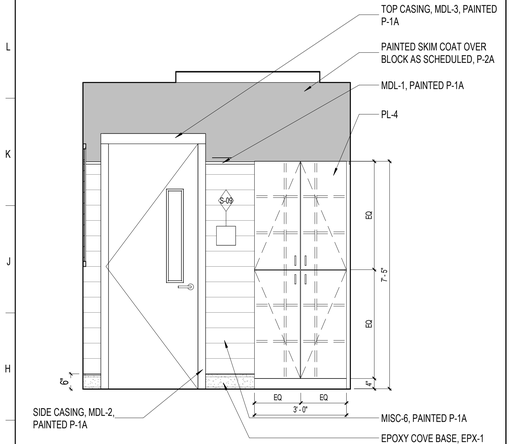
M8 INTERIOR ELEVATION - LOBBY

1/2" = 1'-0"



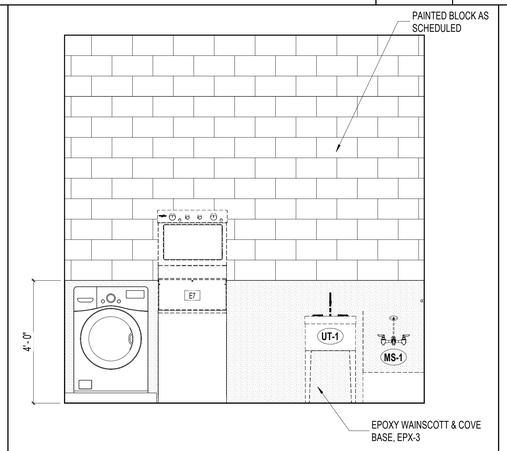
M13 INTERIOR ELEVATION - LOBBY

1/2" = 1'-0"



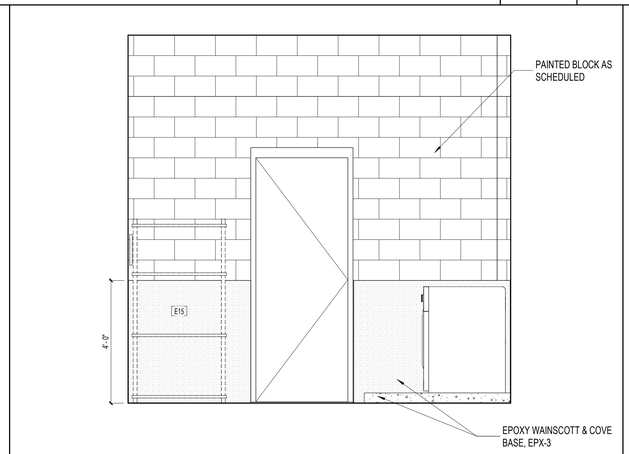
G1 INTERIOR ELEVATION - LOBBY

1/2" = 1'-0"



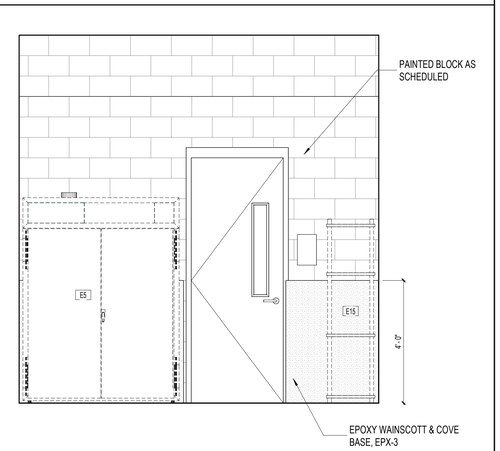
G5 INTERIOR ELEVATION - DECONTAMINATION

1/2" = 1'-0"



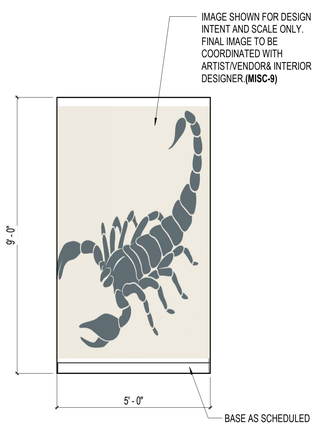
G9 INTERIOR ELEVATION -DECONTAMINATION

1/2" = 1'-0"



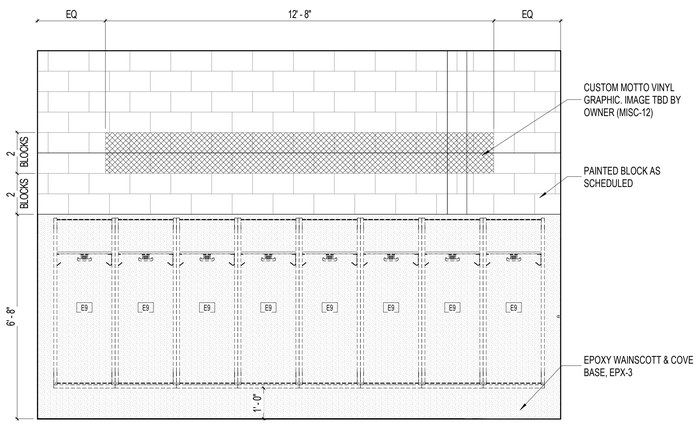
G14 INTERIOR ELEVATION -DECONTAMINATION

1/2" = 1'-0"



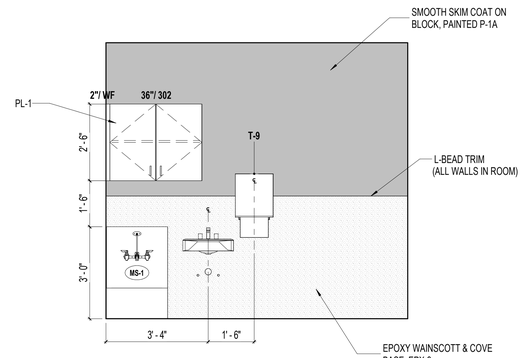
A5 SCORPION ACCENT WALL

1/2" = 1'-0"



A8 INTERIOR ELEVATION - TURNOUT GEAR ROOM

1/2" = 1'-0"



A14 INTERIOR ELEVATION - FIRST AID

1/2" = 1'-0"

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INTERIOR ELEVATIONS

A251
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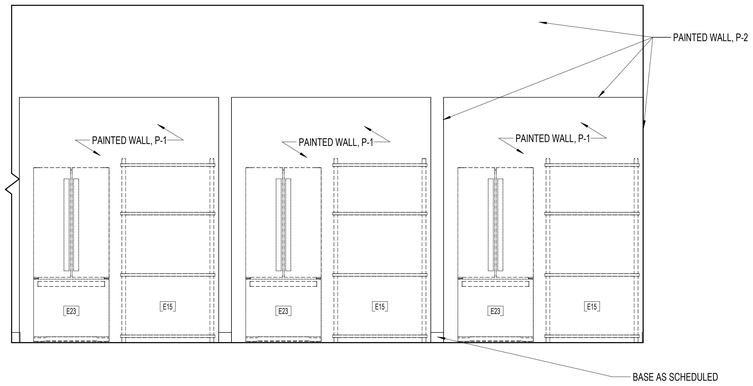
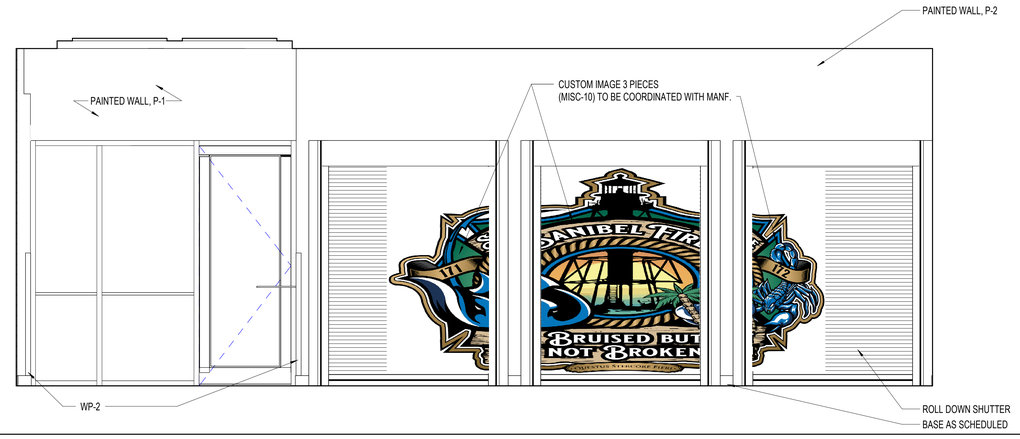


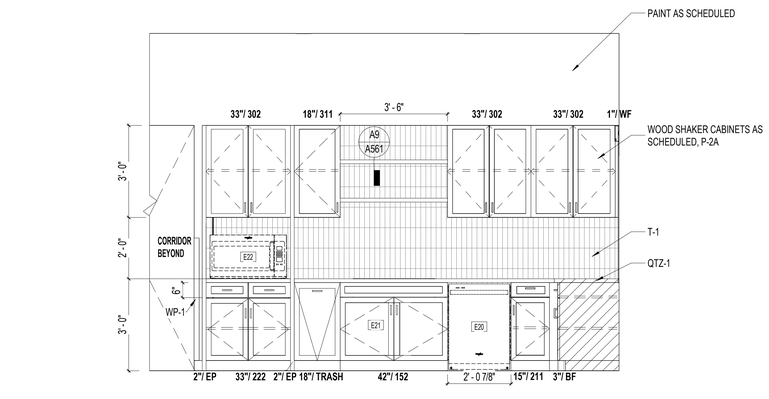
M1 PANTRY ELEVATION

1/2" = 1'-0"



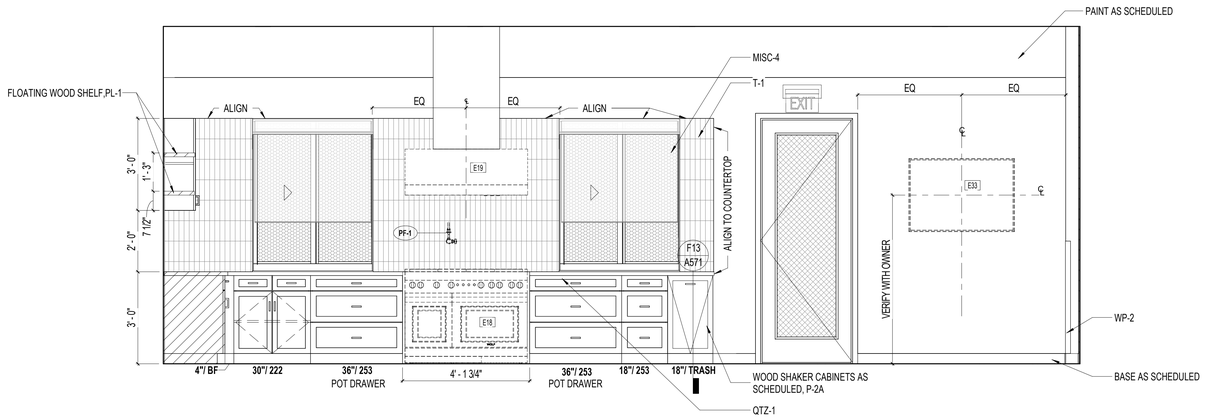
M8 INTERIOR ELEVATION - KITCHEN

1/2" = 1'-0"



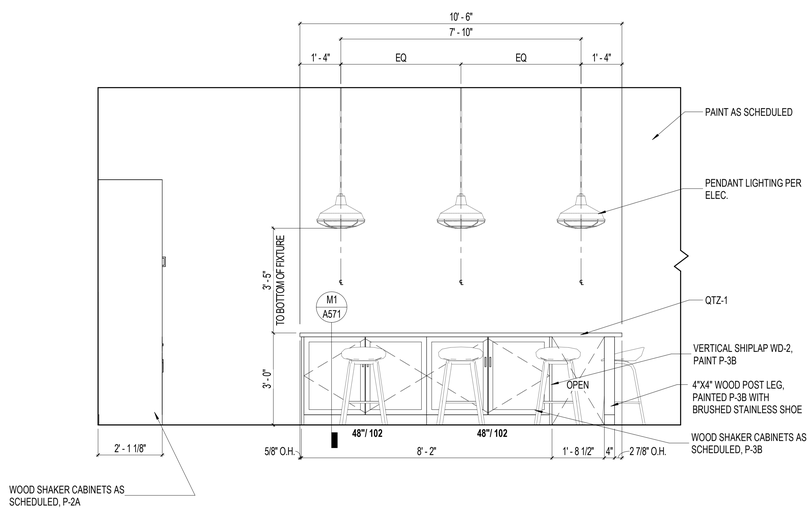
G1 INTERIOR ELEVATION - KITCHEN

1/2" = 1'-0"



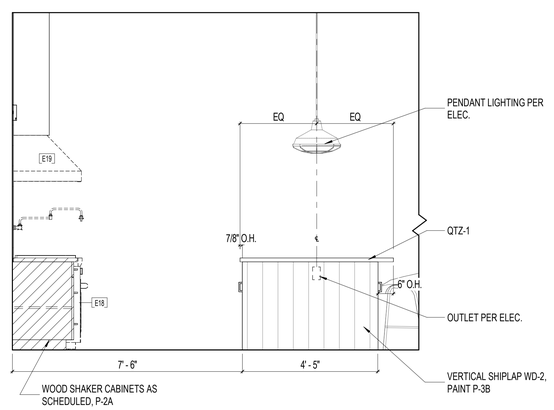
G8 INTERIOR ELEVATION - KITCHEN

1/2" = 1'-0"



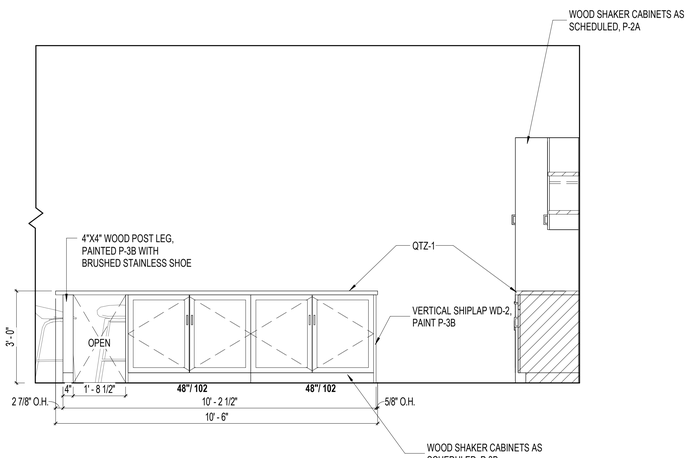
A1 INTERIOR ELEVATION - KITCHEN

1/2" = 1'-0"



A8 INTERIOR ELEVATION - KITCHEN

1/2" = 1'-0"



A13 INTERIOR ELEVATION - KITCHEN

1/2" = 1'-0"

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INTERIOR ELEVATIONS

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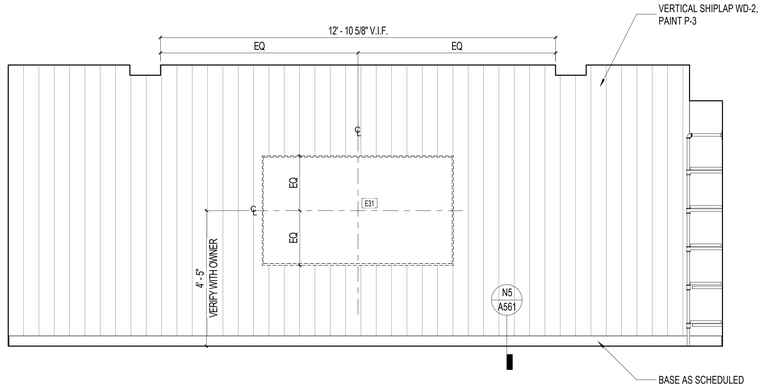
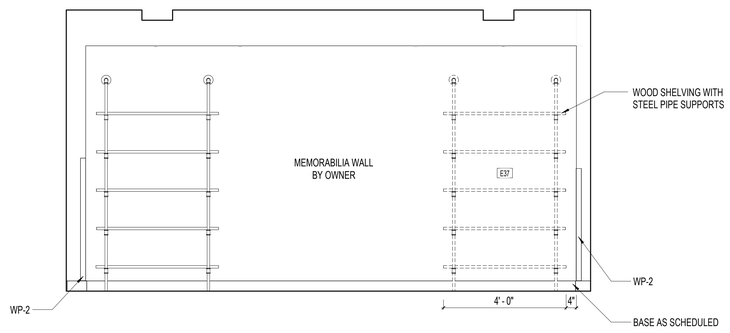


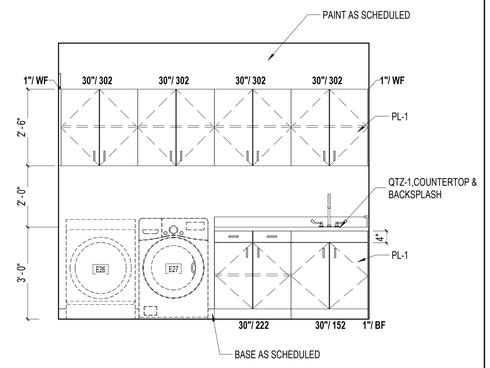
M1 INTERIOR ELEVATION - DAY ROOM

1/2" = 1'-0"



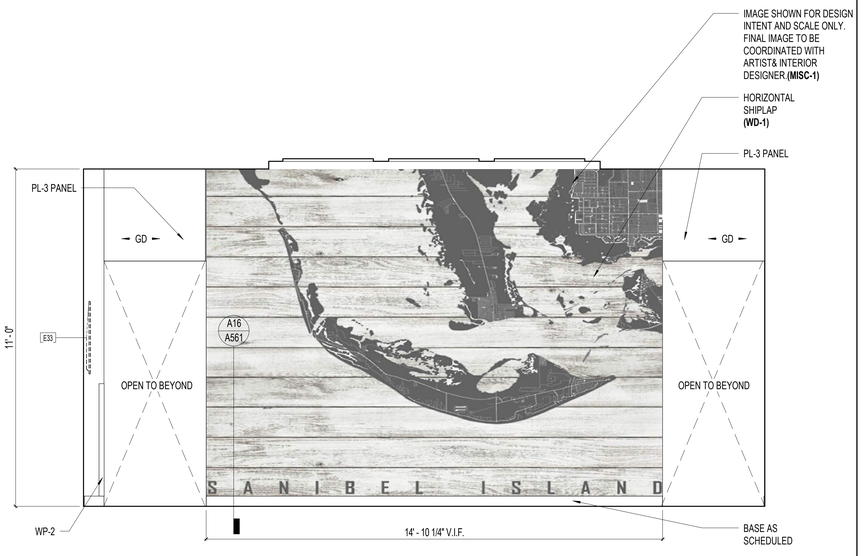
M8 INTERIOR ELEVATION - DAY ROOM

1/2" = 1'-0"



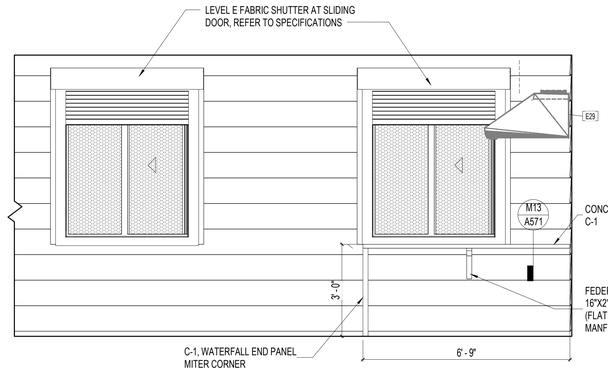
M15 INTERIOR ELEVATION - LAUNDRY

1/2" = 1'-0"



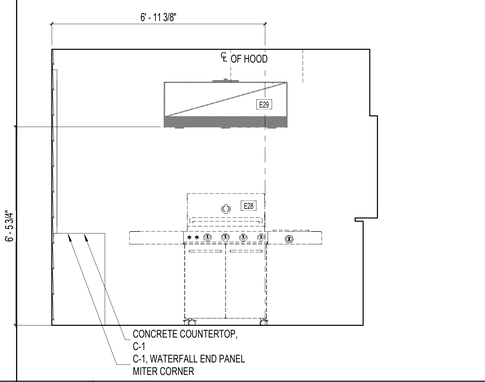
F1 INTERIOR ELEVATION - DINING ACCENT

1/2" = 1'-0"



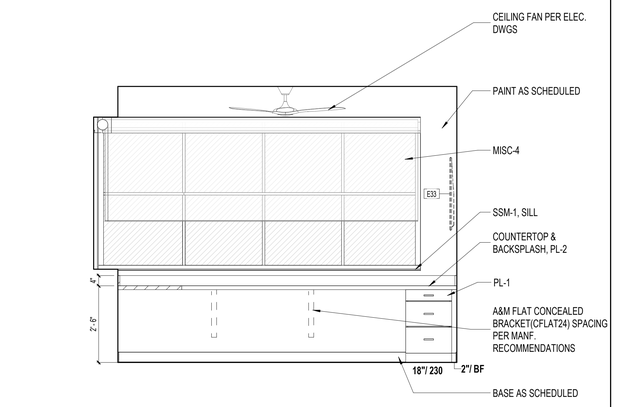
F8 PATIO ELEVATION

1/2" = 1'-0"



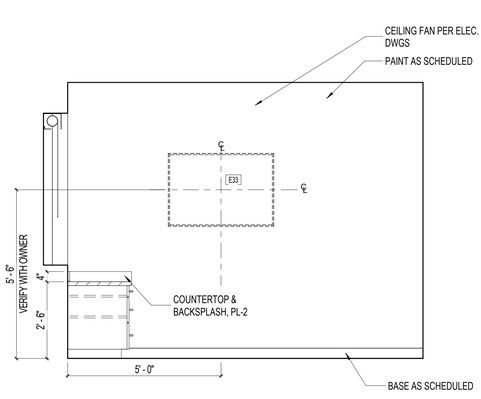
F15 PATIO ELEVATION

1/2" = 1'-0"



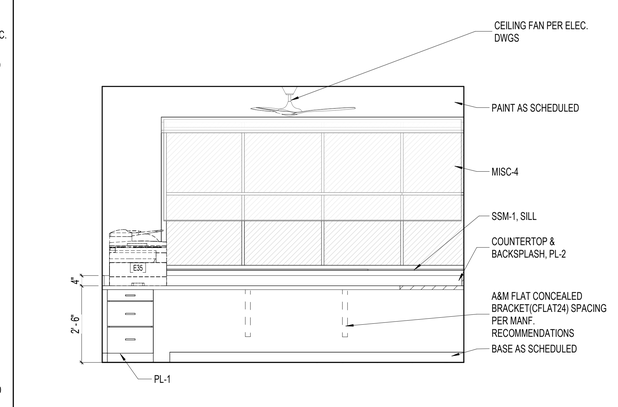
A1 INTERIOR ELEVATION - WATCH ROOM

1/2" = 1'-0"



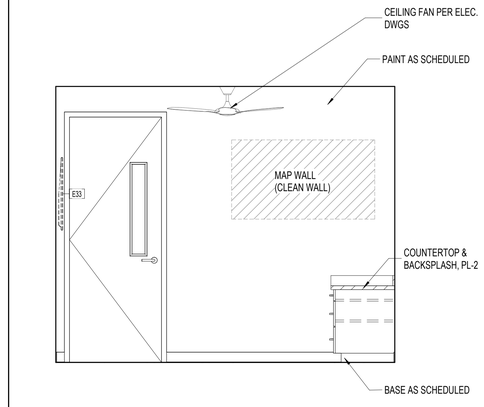
A6 INTERIOR ELEVATION - WATCH ROOM

1/2" = 1'-0"



A10 INTERIOR ELEVATION - WATCH ROOM

1/2" = 1'-0"



A15 INTERIOR ELEVATION - WATCH ROOM

1/2" = 1'-0"

SANIBEL FIRE & RESCUE DISTRICT
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INTERIOR ELEVATIONS

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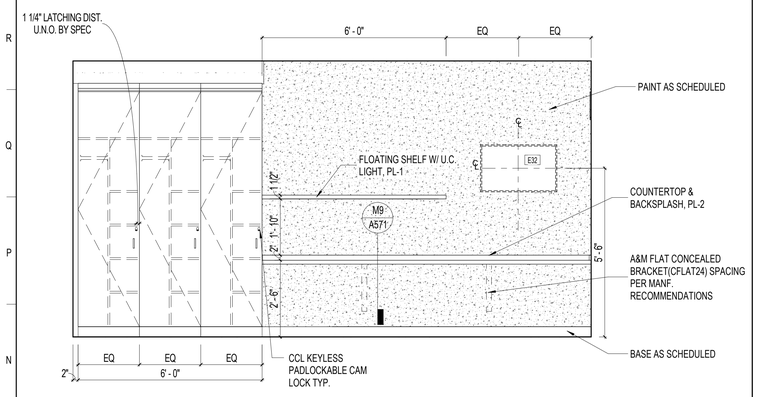
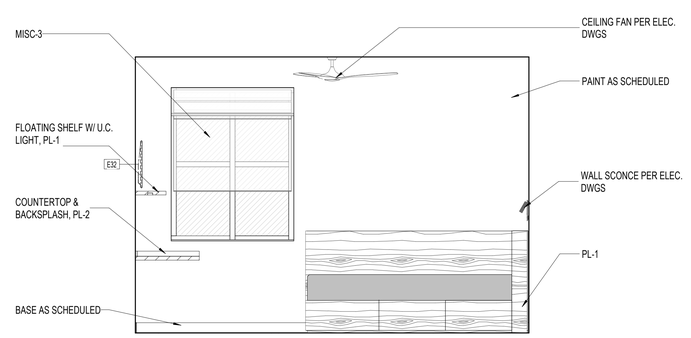
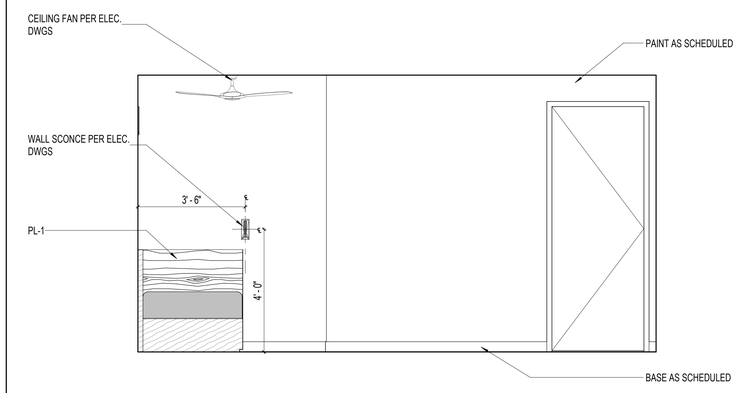


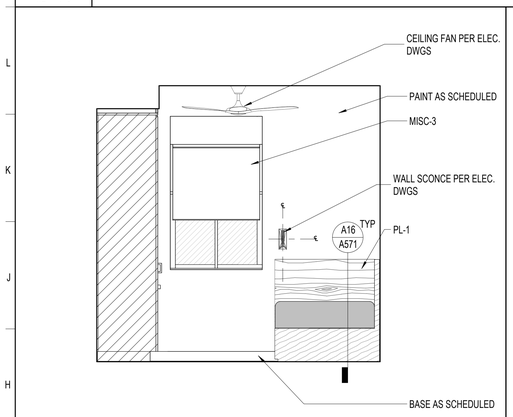
M1	INTERIOR ELEVATION - OFFICER BUNK
1/2" = 1'-0"	



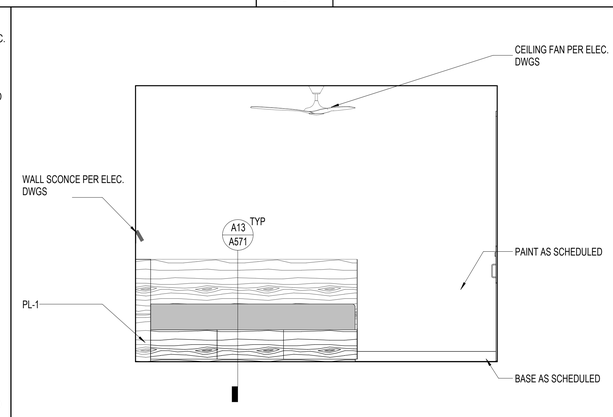
M7	INTERIOR ELEVATION - OFFICER BUNK
1/2" = 1'-0"	



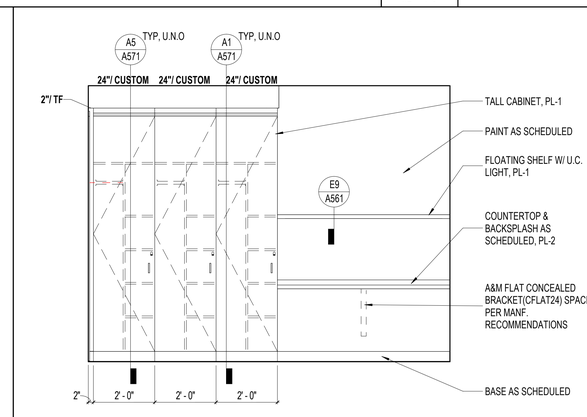
M13	INTERIOR ELEVATION - OFFICER BUNK
1/2" = 1'-0"	



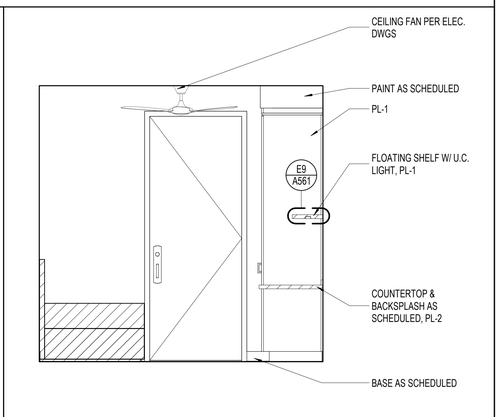
G1	INTERIOR ELEVATION - CREW BUNK
1/2" = 1'-0"	



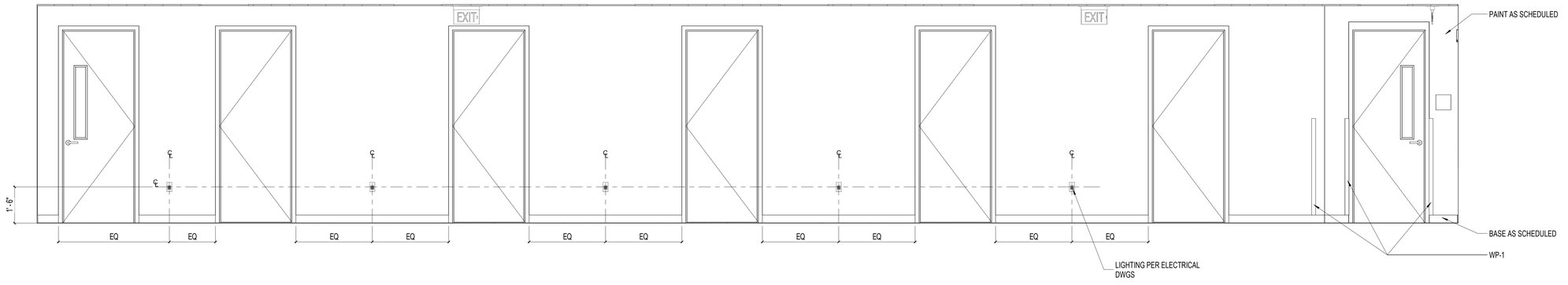
G5	INTERIOR ELEVATION - CREW BUNK
1/2" = 1'-0"	



G10	INTERIOR ELEVATION - CREW BUNK
1/2" = 1'-0"	



G15	INTERIOR ELEVATION - CREW BUNK
1/2" = 1'-0"	



A1	INTERIOR ELEVATION - CORRIDOR 201
1/2" = 1'-0"	

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INTERIOR ELEVATIONS

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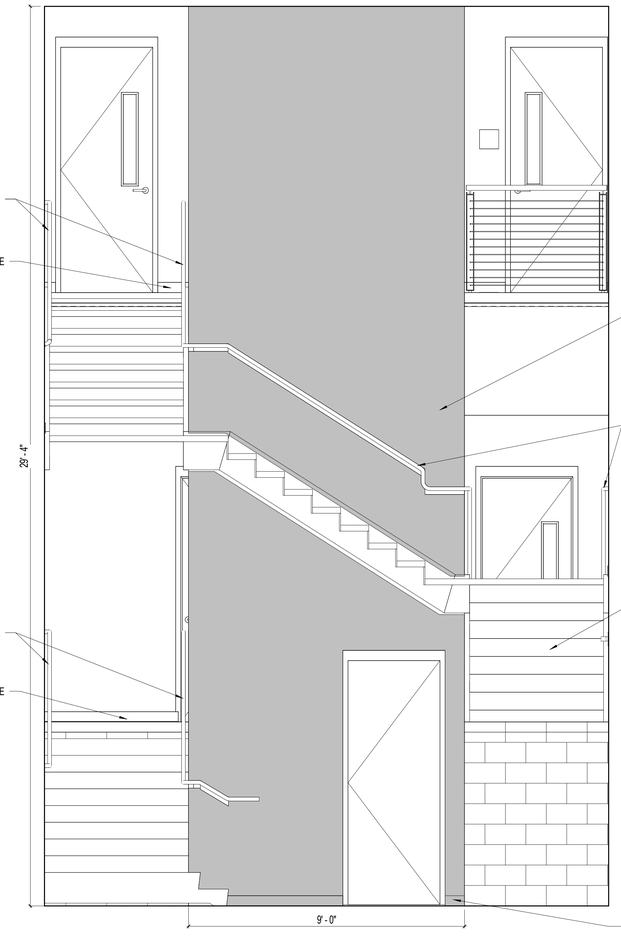
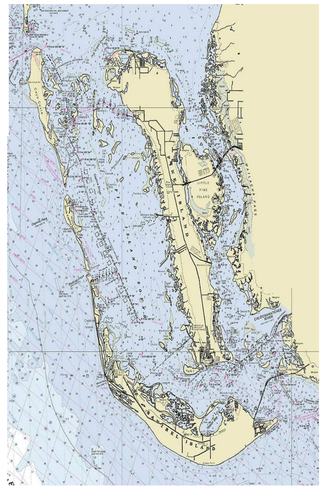
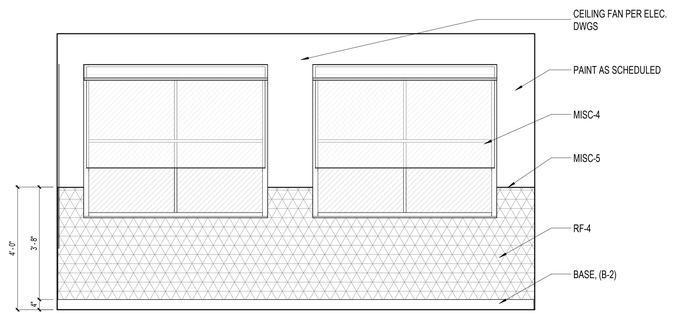


NOTE:REFER TO A1/A483 FOR ADDITIONAL STAIR NOTES.

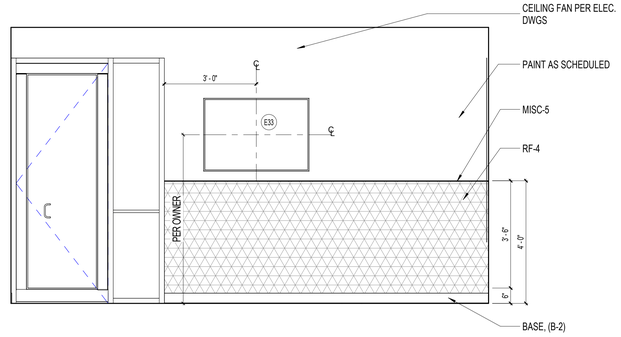


NOTE: IMAGE SHOWN FOR DESIGN INTENT ONLY. FINAL IMAGE & SIZE TO BE COORDINATED WITH ARTIST/VENDOR & INTERIOR DESIGNER.**(MISC-7)**

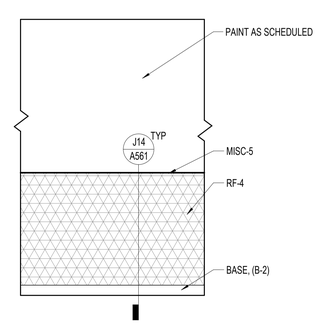
F1 — STAIR TOWER ELEVATION-IMAGE LOCATION
1/2" = 1'-0"



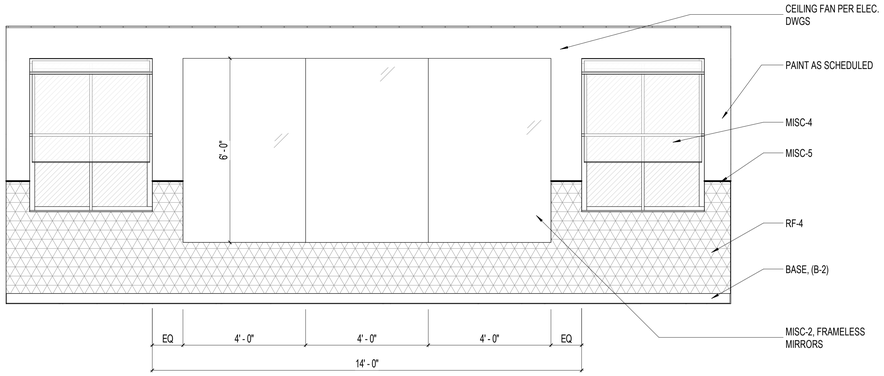
M10 — INTERIOR ELEVATION - FITNESS
1/2" = 1'-0"



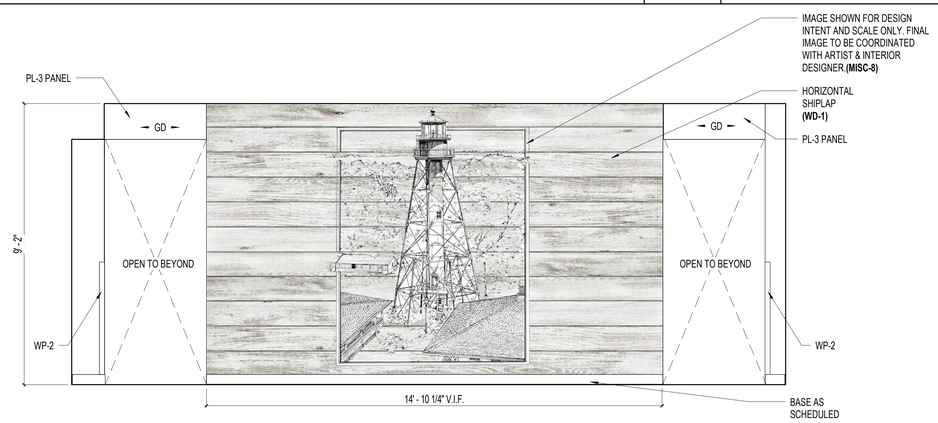
F10 — INTERIOR ELEVATION - FITNESS
1/2" = 1'-0"



F16 — INTERIOR ELEVATION - FITNESS
1/2" = 1'-0"



A1 — INTERIOR ELEVATION - FITNESS
1/2" = 1'-0"



A10 — INTERIOR ELEVATION-DAY ROOM WALL
1/2" = 1'-0"

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

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INTERIOR ELEVATIONS

A255
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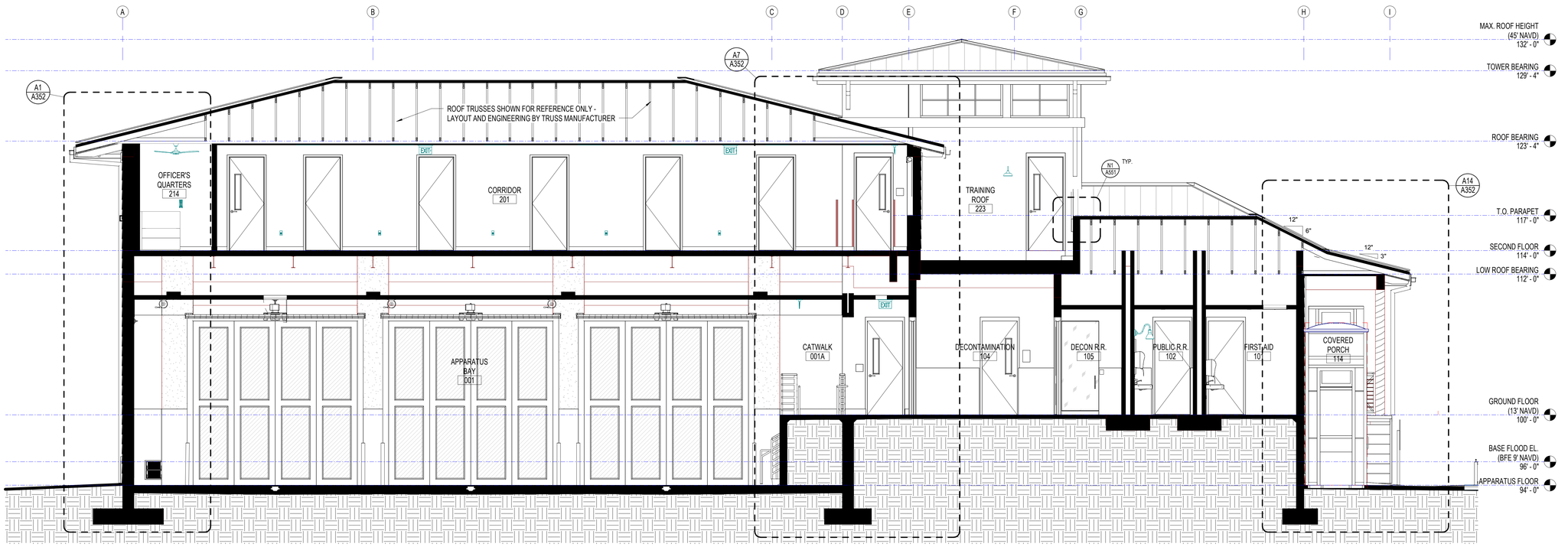
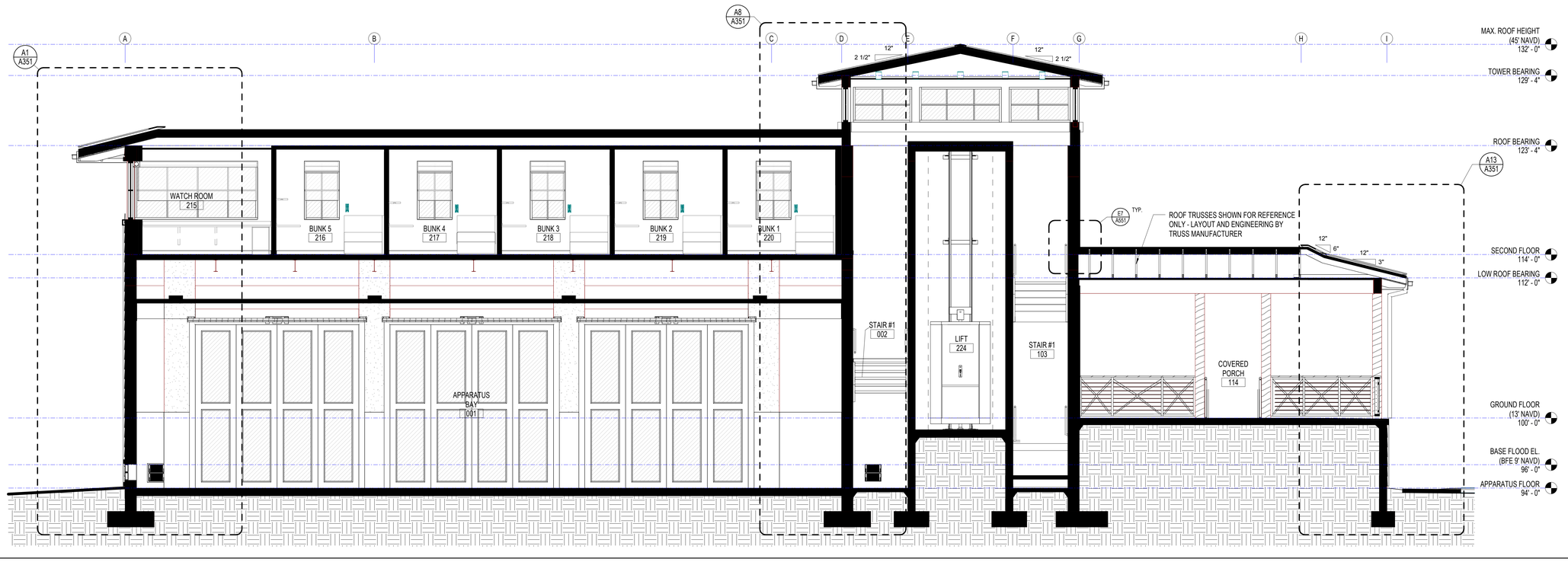


J1 LONGITUDINAL BUILDING SECTION

1/4" = 1'-0"



A1 LONGITUDINAL BUILDING SECTION

1/4" = 1'-0"

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BUILDING SECTIONS

A301
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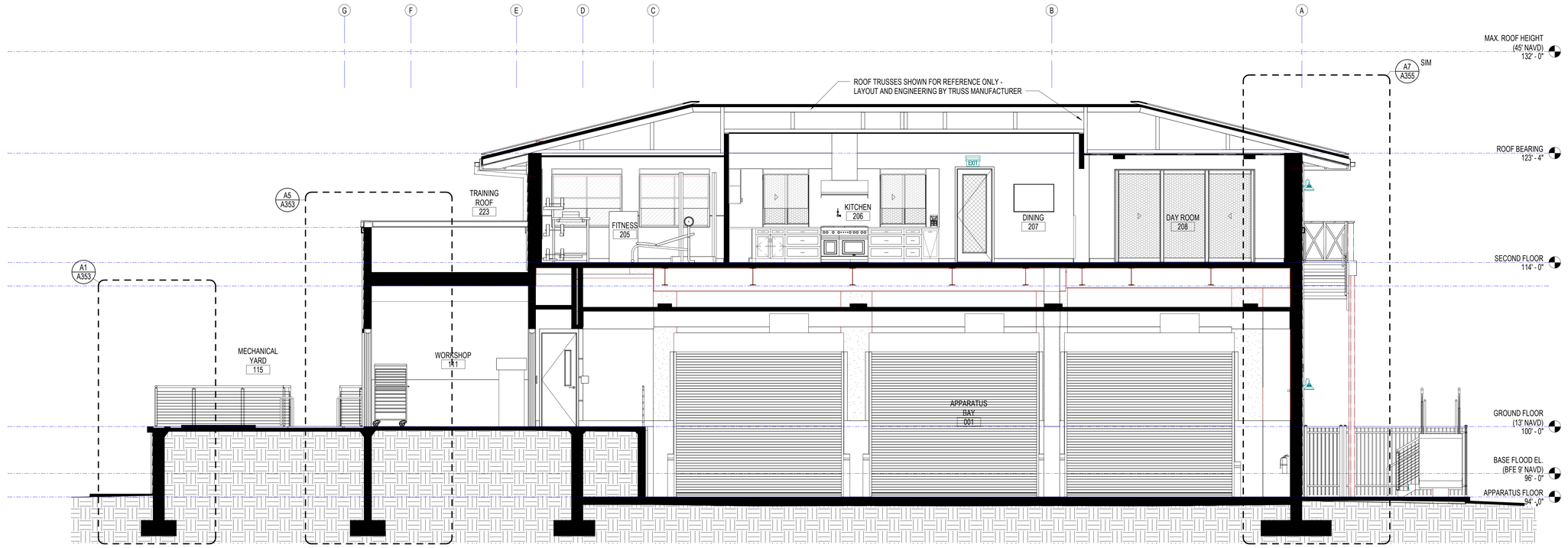
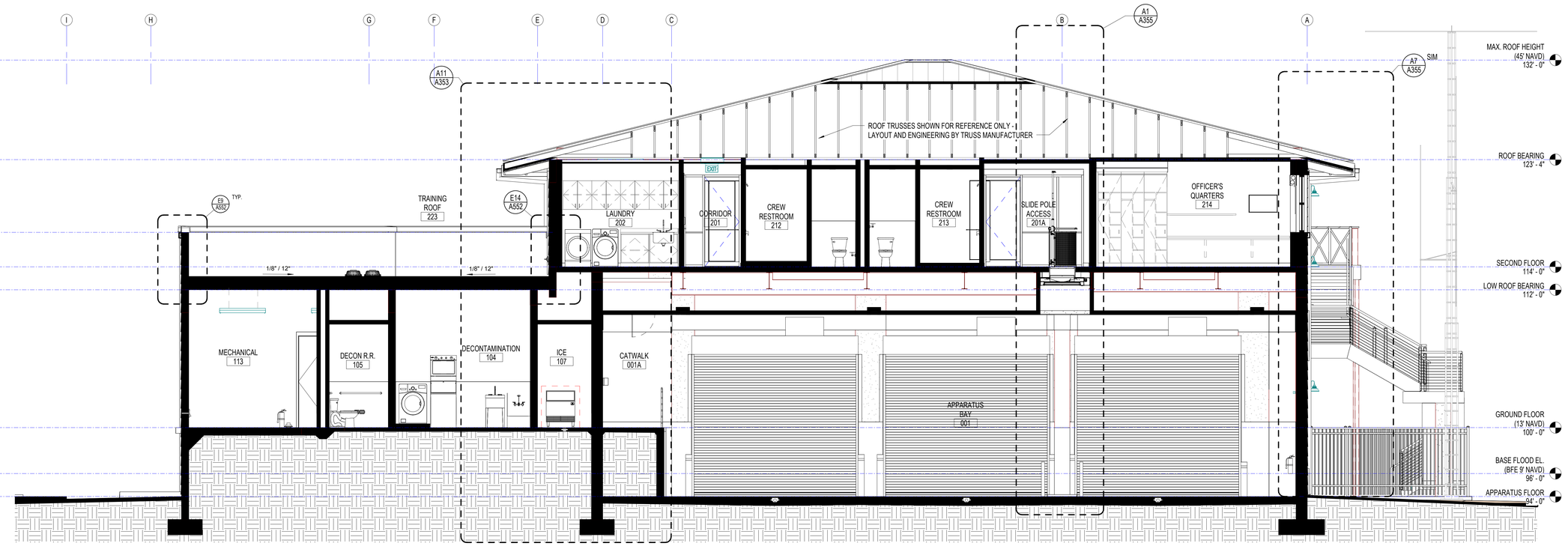


J1 — LONGITUDINAL BUILDING SECTION

1/4" = 1'-0"



A1 — LONGITUDINAL BUILDING SECTION

1/4" = 1'-0"

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BUILDING SECTIONS

A302
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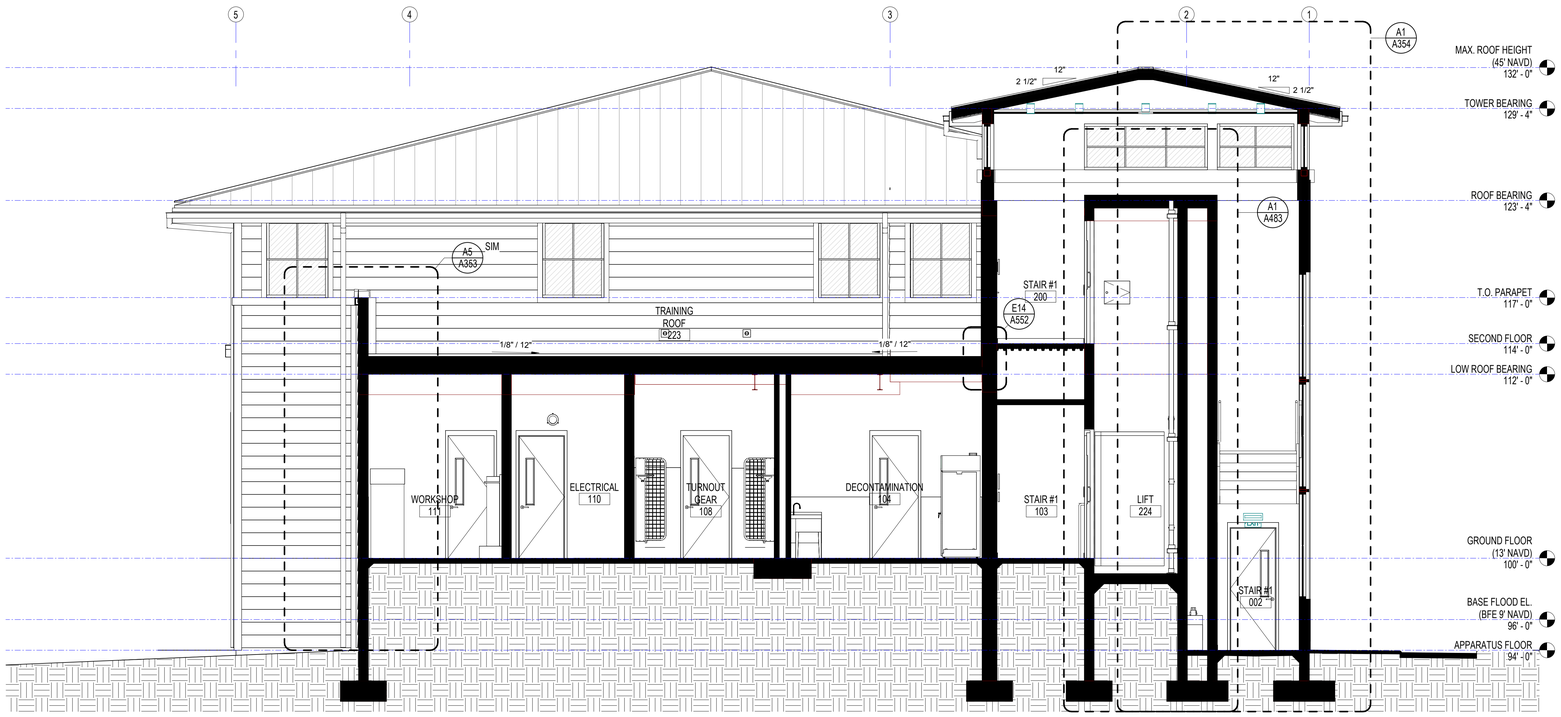
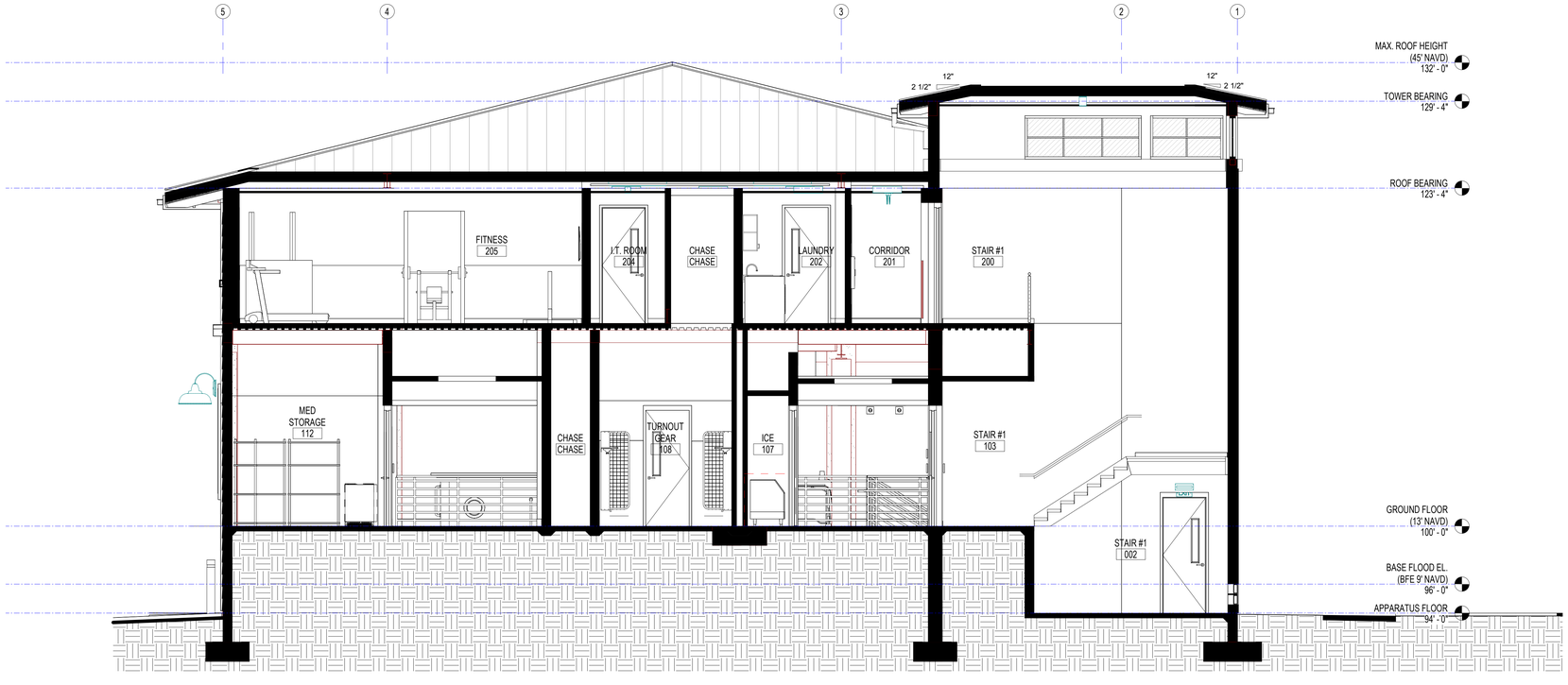


J1 TRANSVERSE BUILDING SECTION

1/4" = 1'-0"



A1 TRANSVERSE BUILDING SECTION

1/4" = 1'-0"

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BUILDING SECTIONS

A303
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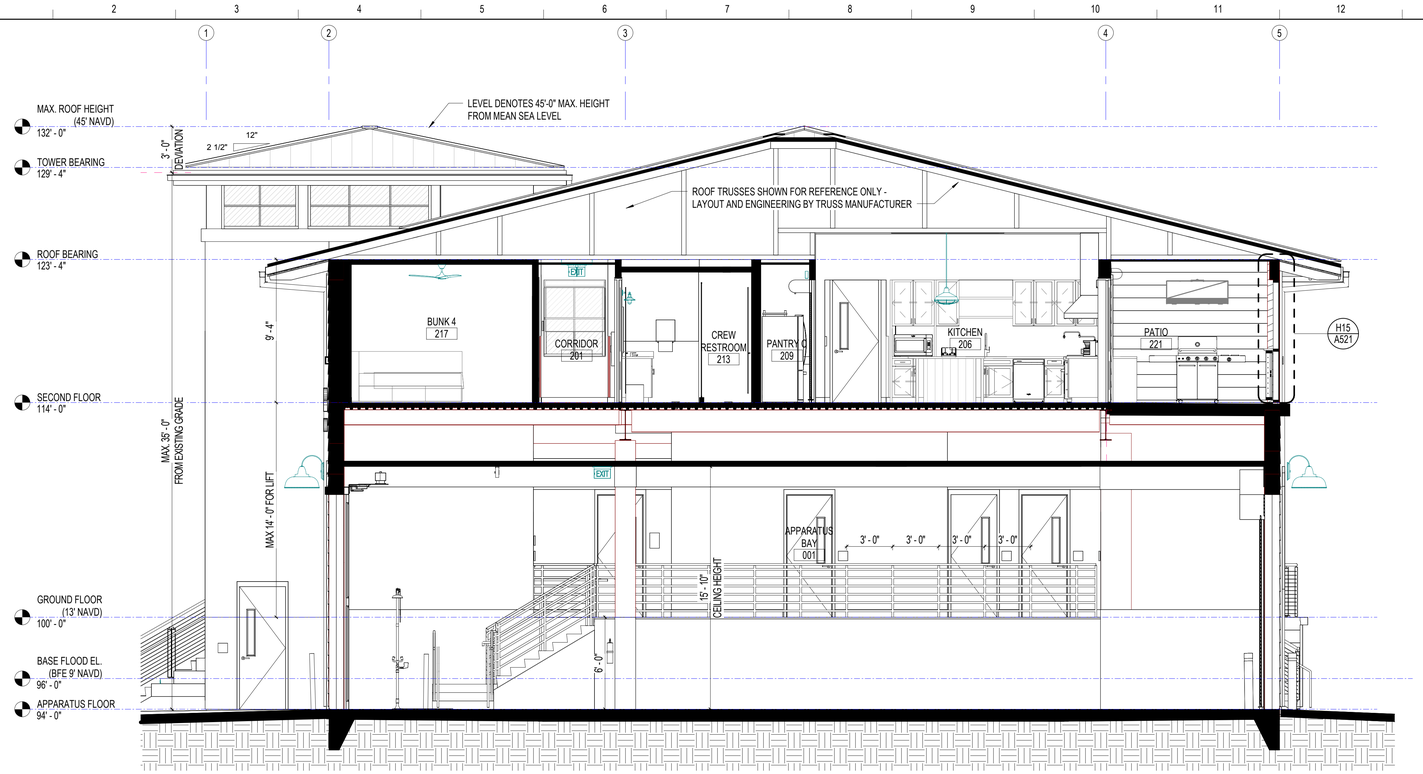
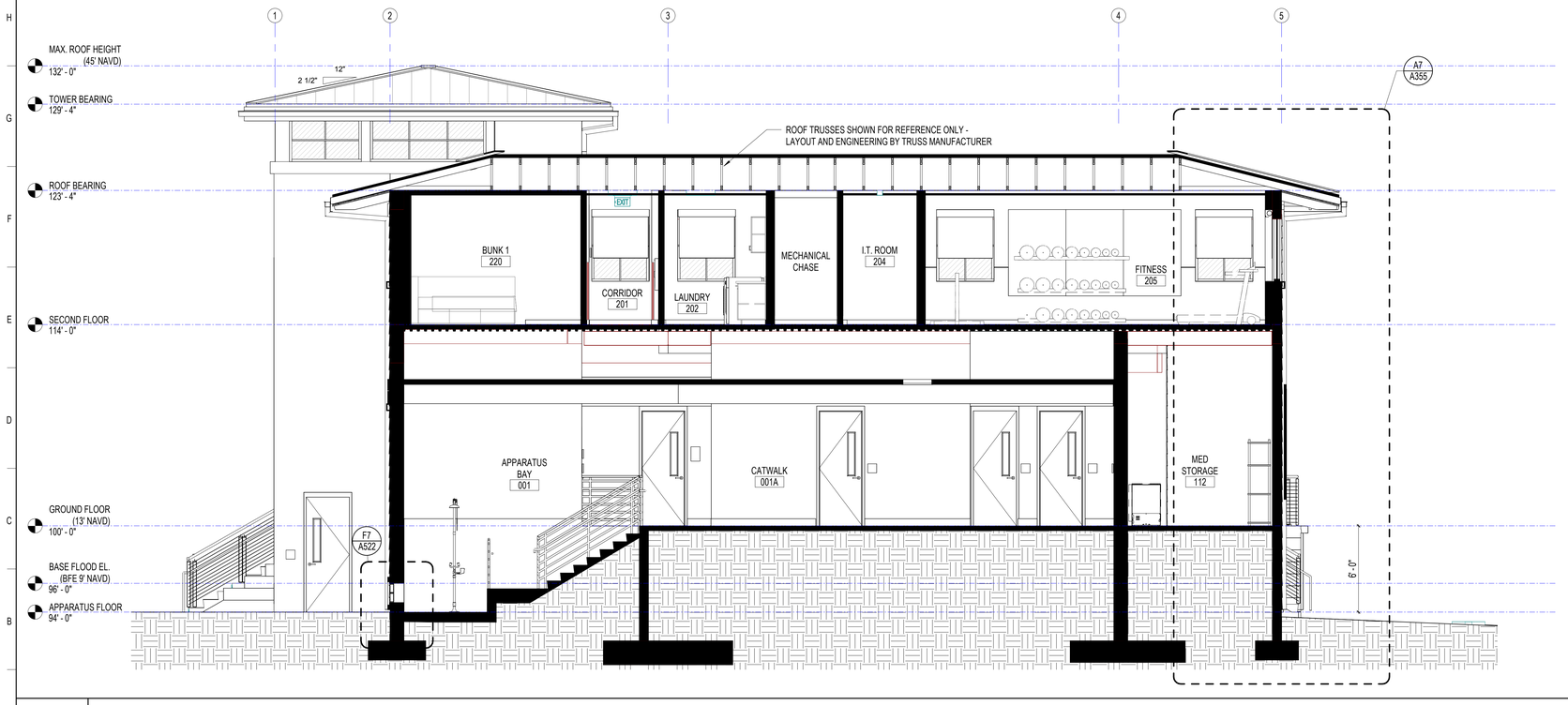


J1 TRANSVERSE BUILDING SECTION

1/4" = 1'-0"



A1 TRANSVERSE BUILDING SECTION

1/4" = 1'-0"

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BUILDING SECTIONS

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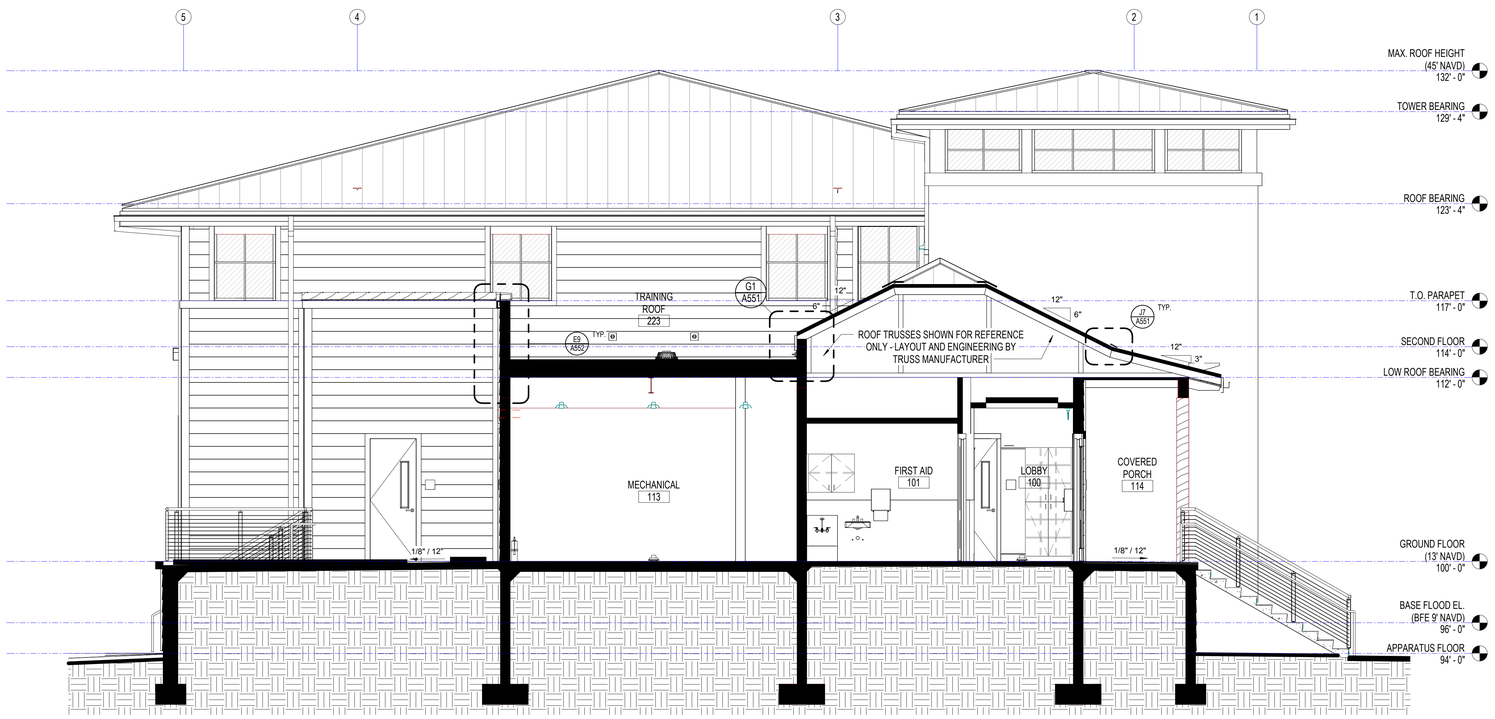
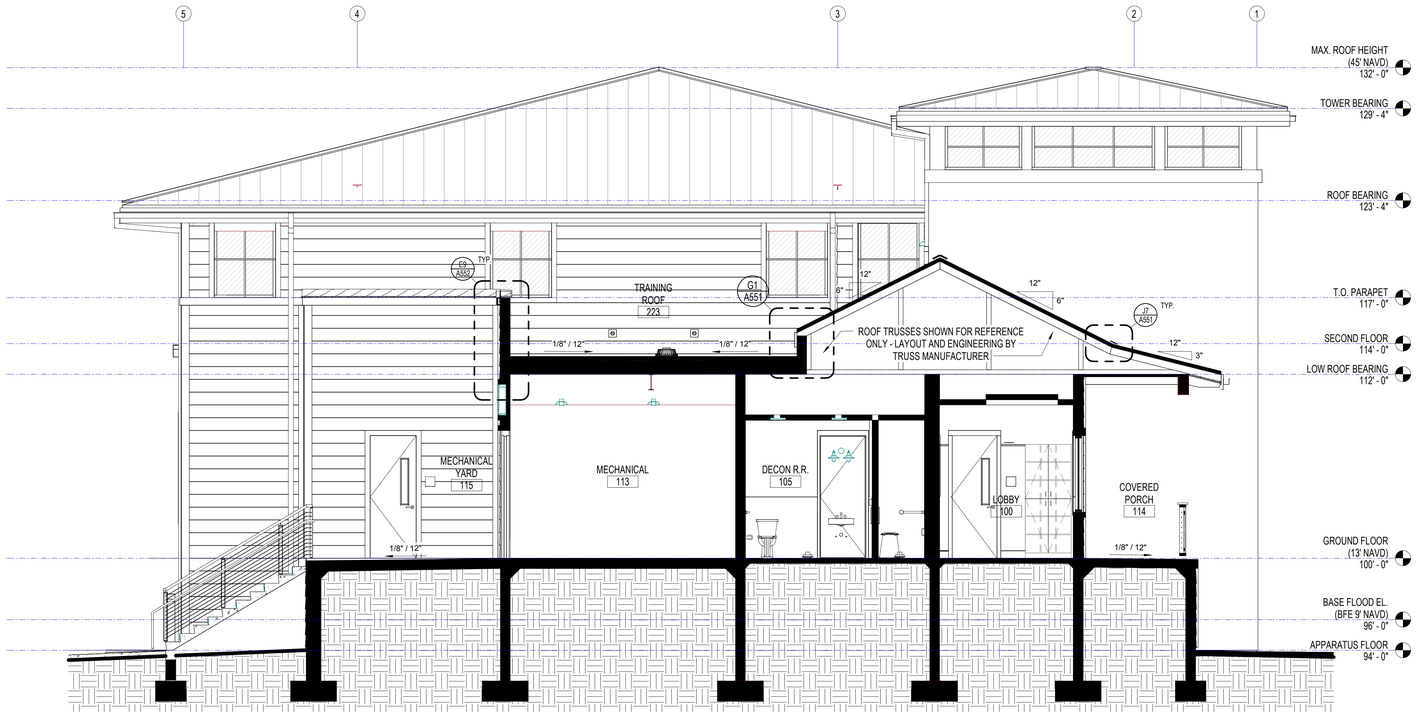


J1 BUILDING SECTION THROUGH TRAINING ROOF

1/4" = 1'-0"



A1 BUILDING SECTION THROUGH ENTRY PORCH

1/4" = 1'-0"

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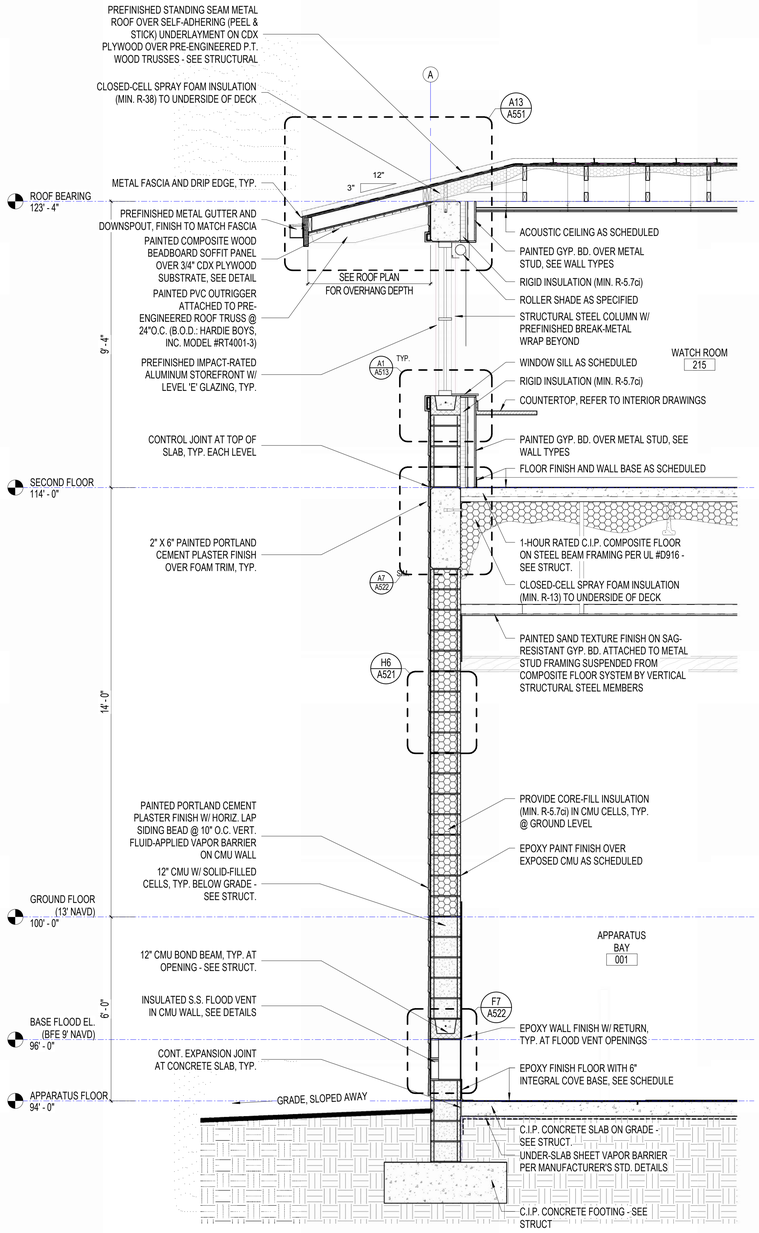
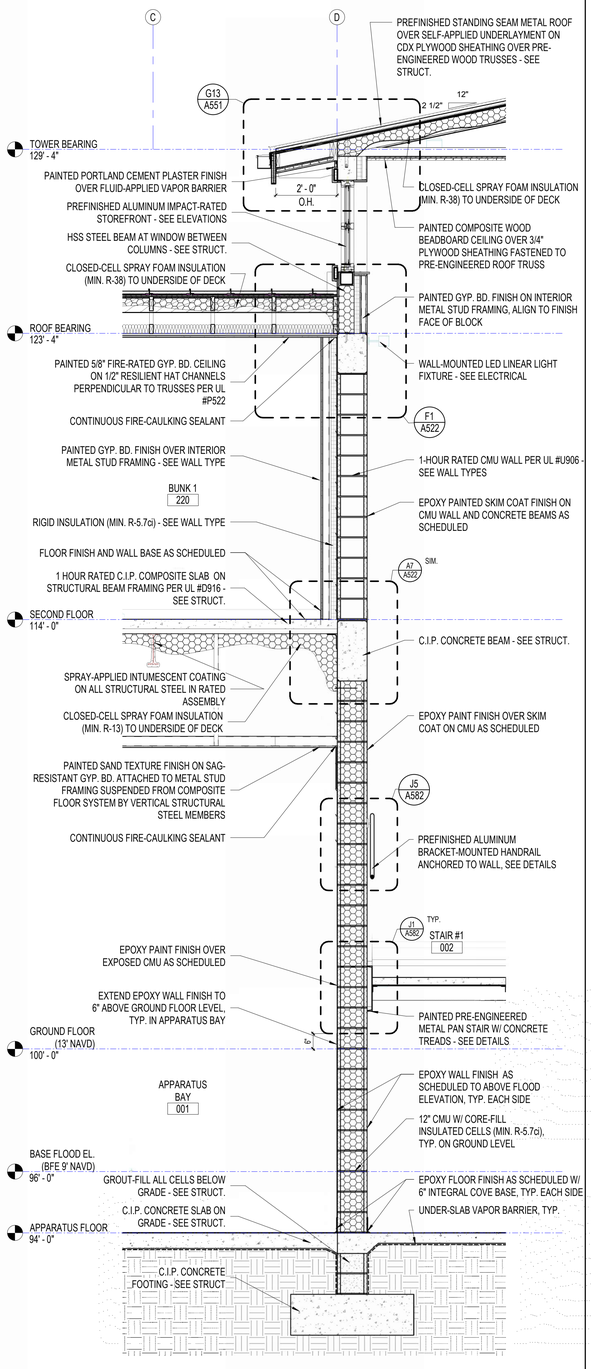


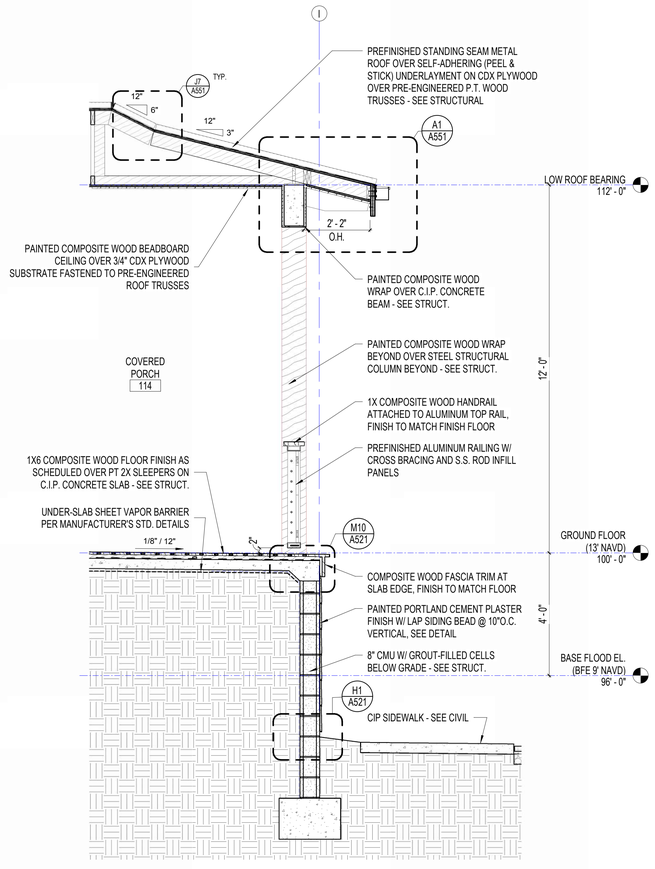
A1 WALL SECTION THROUGH WATCH ROOM

1/2" = 1'-0"



A8 WALL SECTION THROUGH TOWER

1/2" = 1'-0"



A13 WALL SECTION THROUGH PORCH

1/2" = 1'-0"

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WALL SECTIONS

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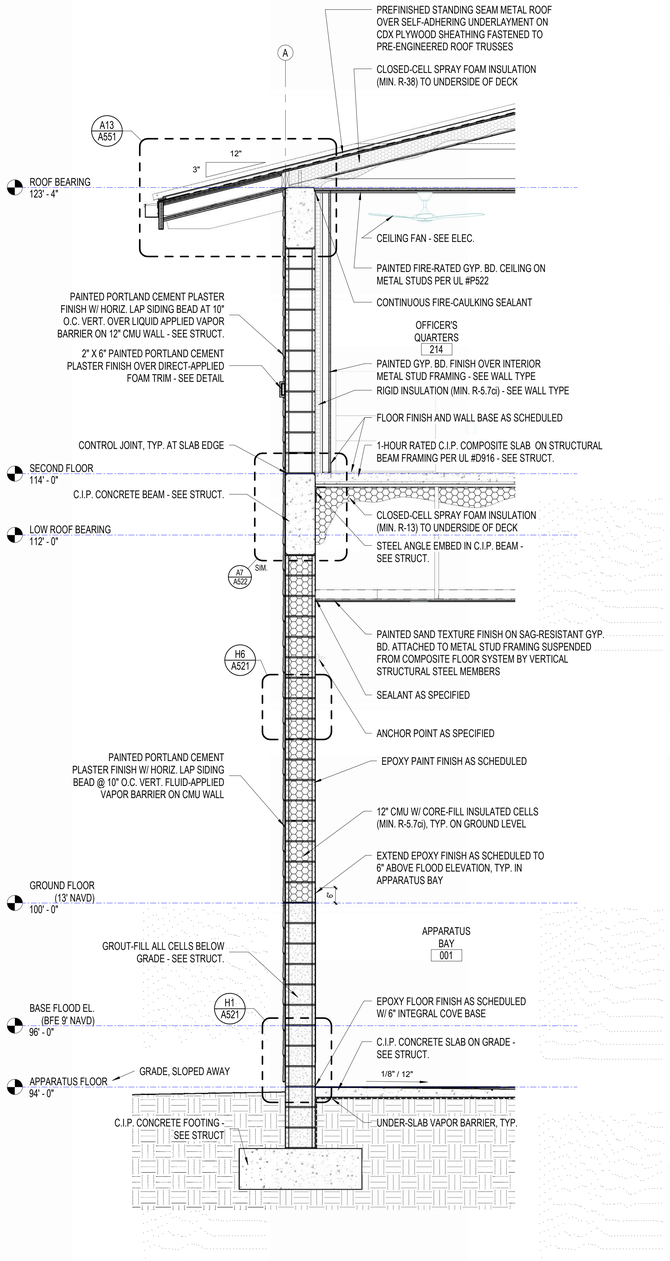
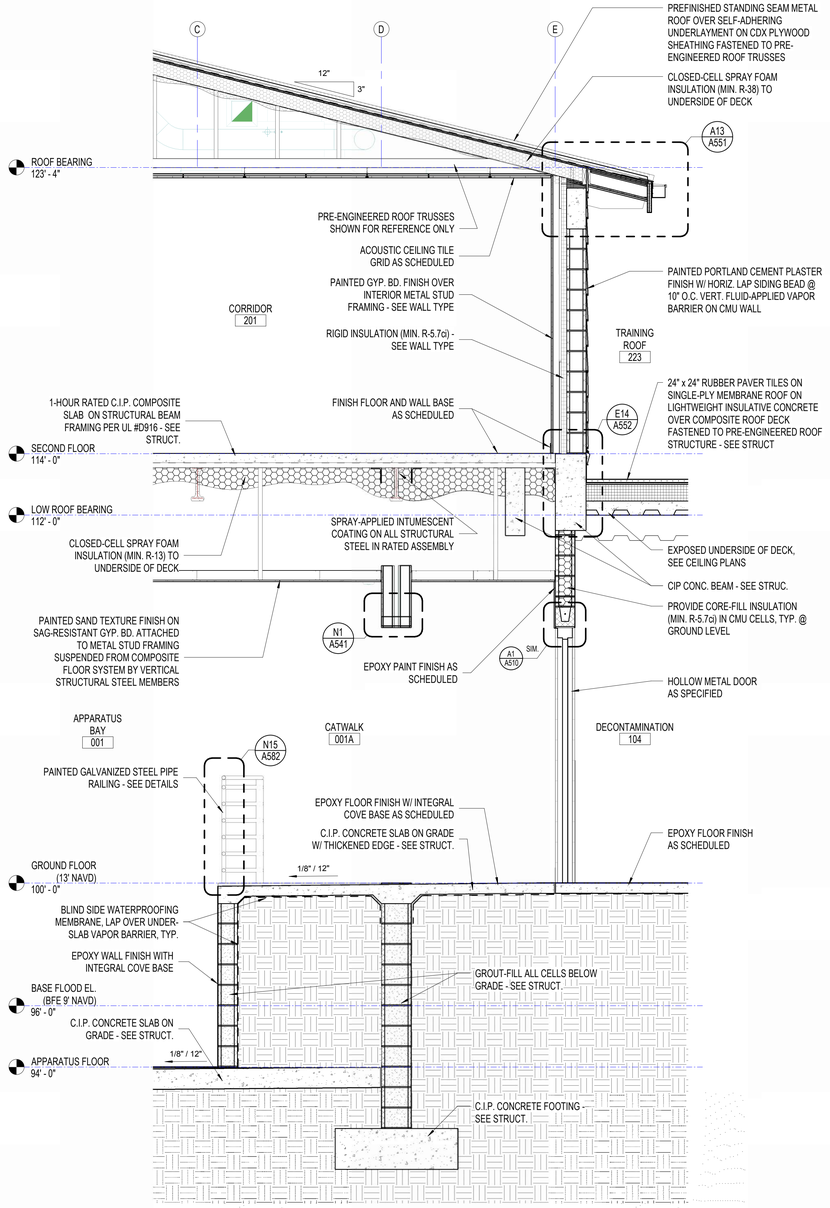


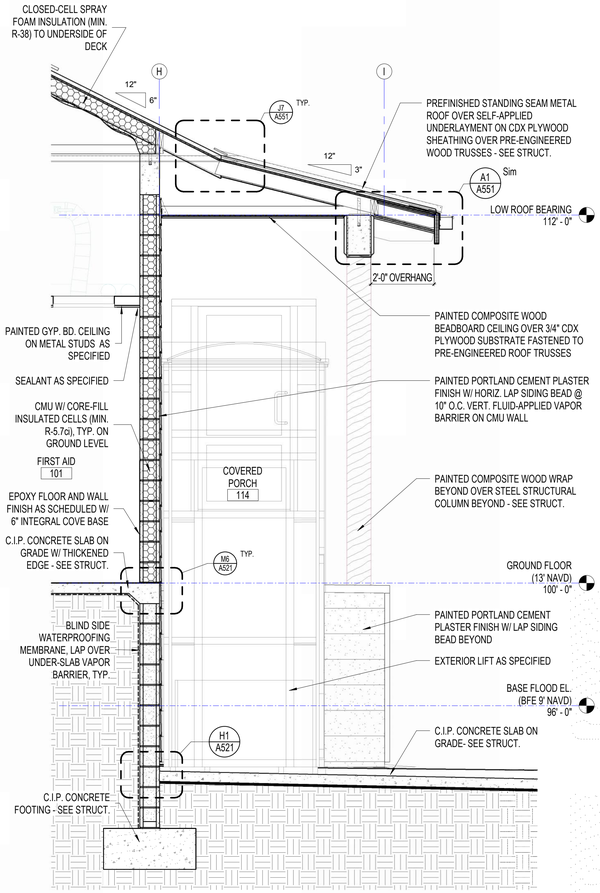
A1 EXTERIOR WALL SECTION

1/2" = 1'-0"



A7 WALL SECTION THROUGH CATWALK AND TRAINING ROOF

1/2" = 1'-0"



A14 WALL SECTION AT ENTRY PORCH / LIFT

1/2" = 1'-0"

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WALL SECTIONS

A352
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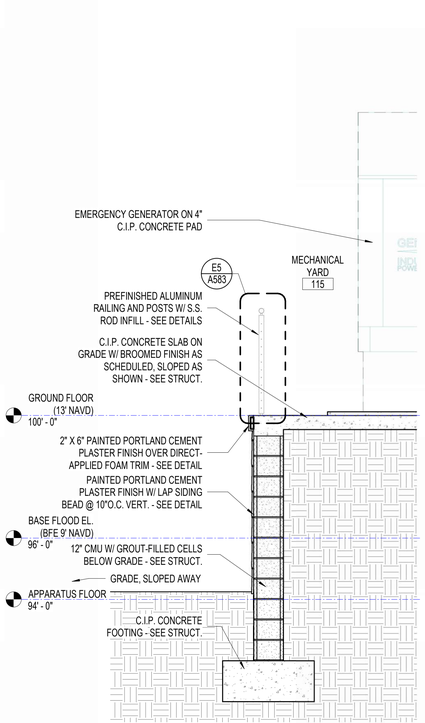
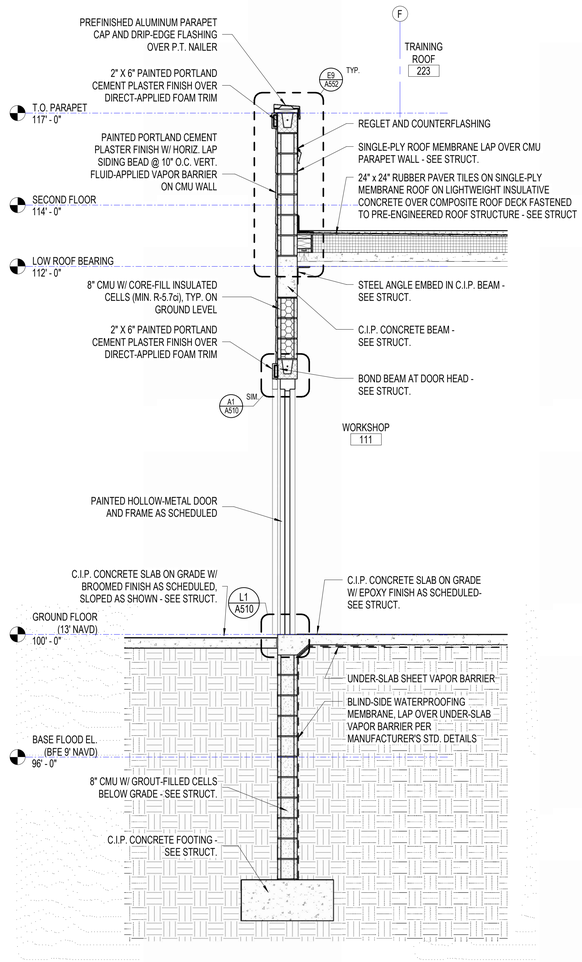
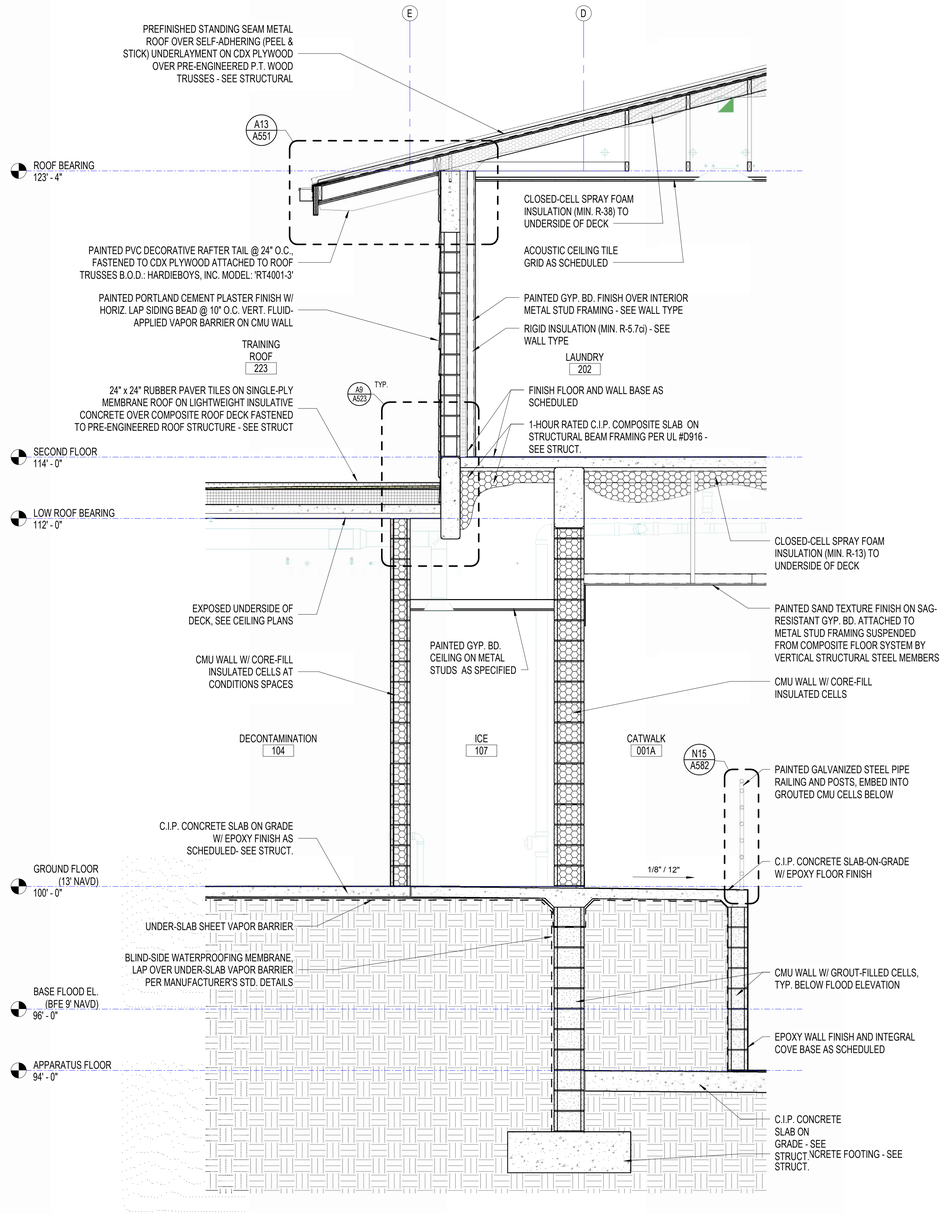


A1	WALL SECTION THROUGH MECH. YARD
1/2" = 1'-0"	



A5	WALL SECTION THROUGH PARAPET
1/2" = 1'-0"	



A11	WALL SECTION AT LOW-SLOPE ROOF
1/2" = 1'-0"	

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WALL SECTIONS

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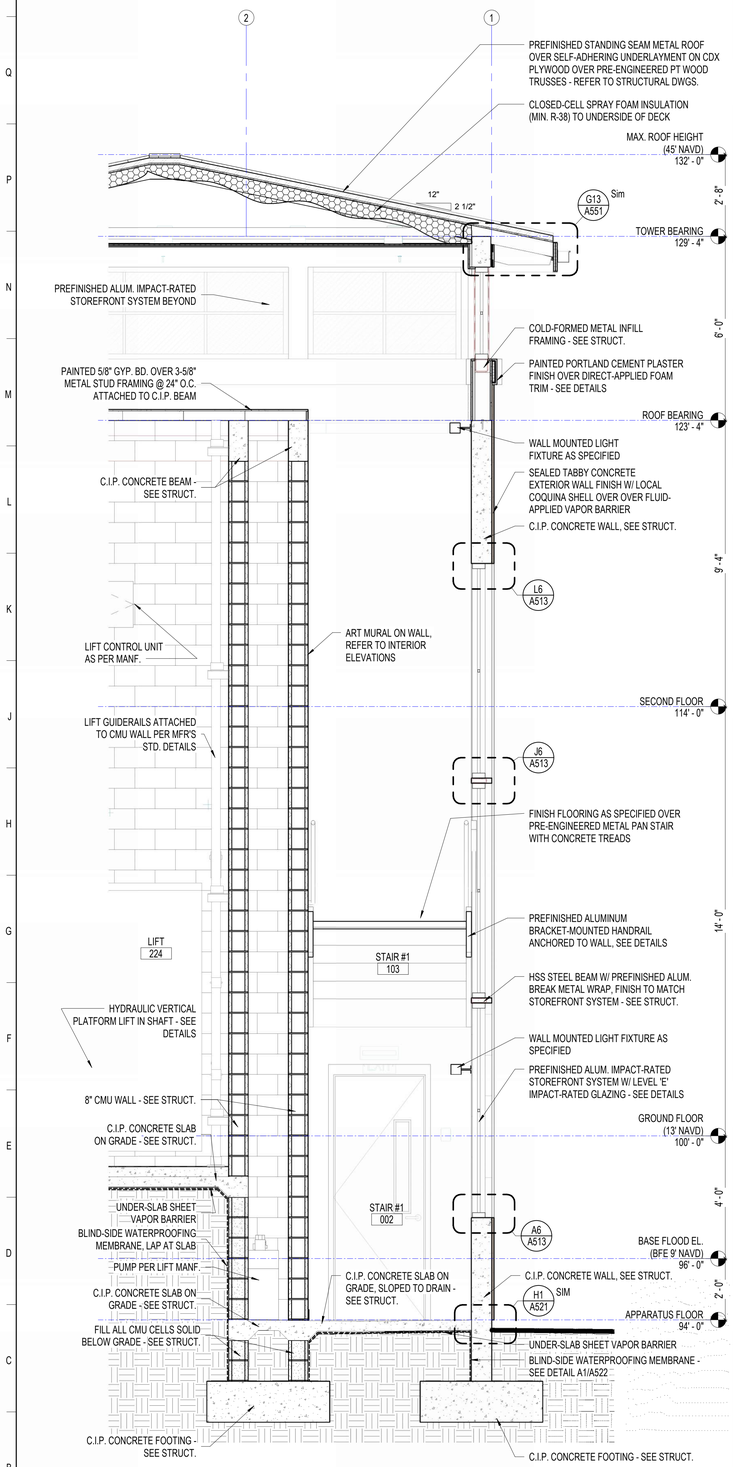
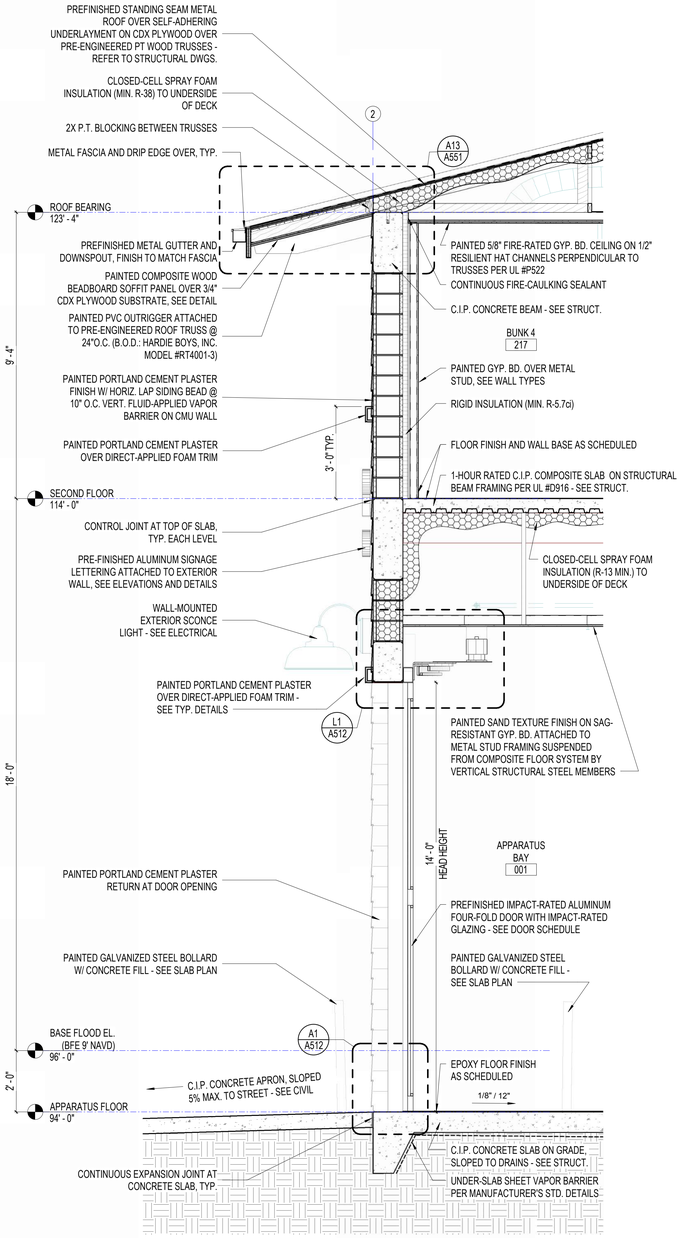


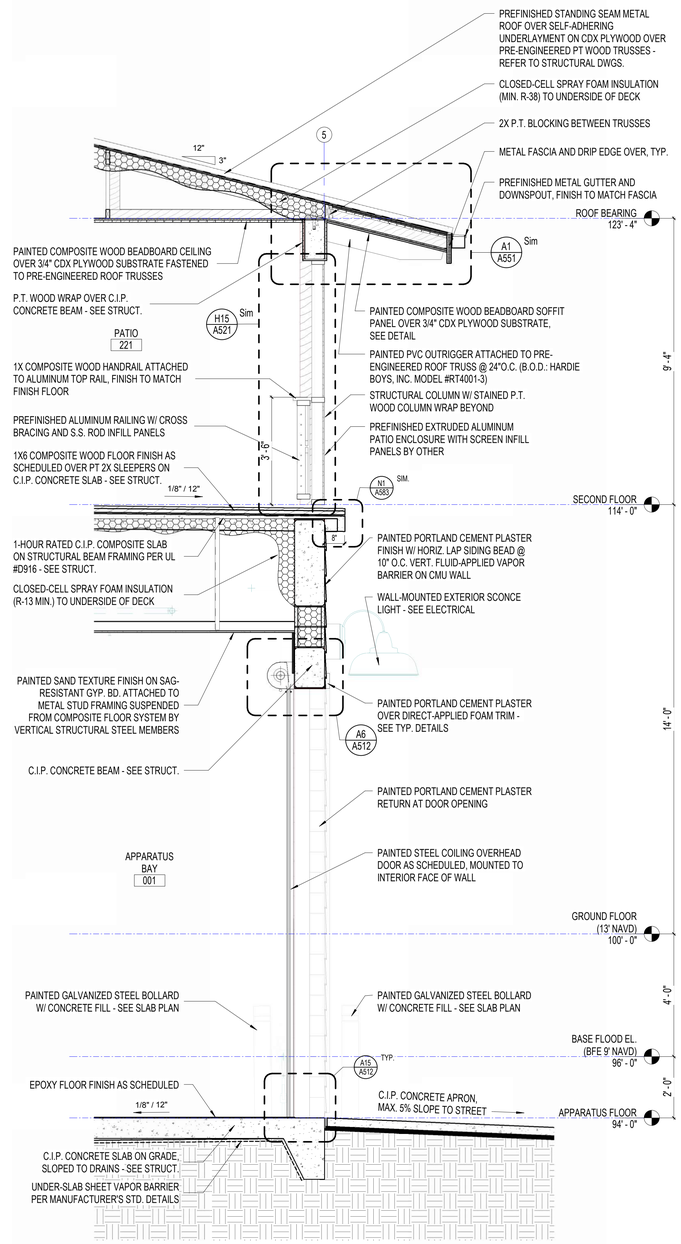
A1 WALL SECTION THROUGH STAIR TOWER

1/2" = 1'-0"



A7 WALL SECTION THROUGH APPARATUS BAY

1/2" = 1'-0"



A13 WALL SECTION THROUGH REAR PATIO

1/2" = 1'-0"

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WALL SECTIONS

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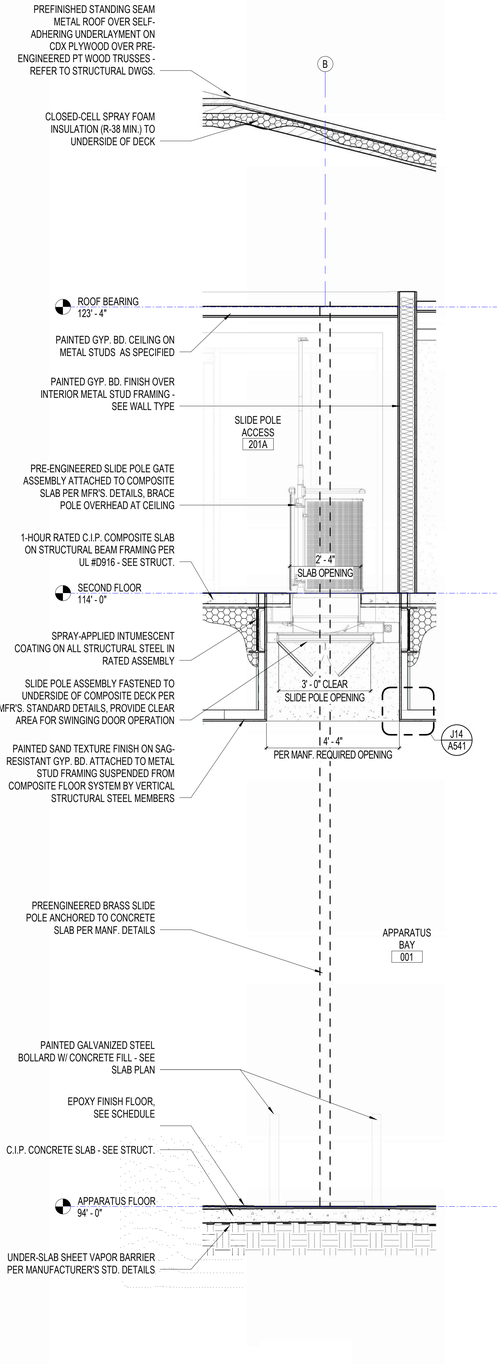
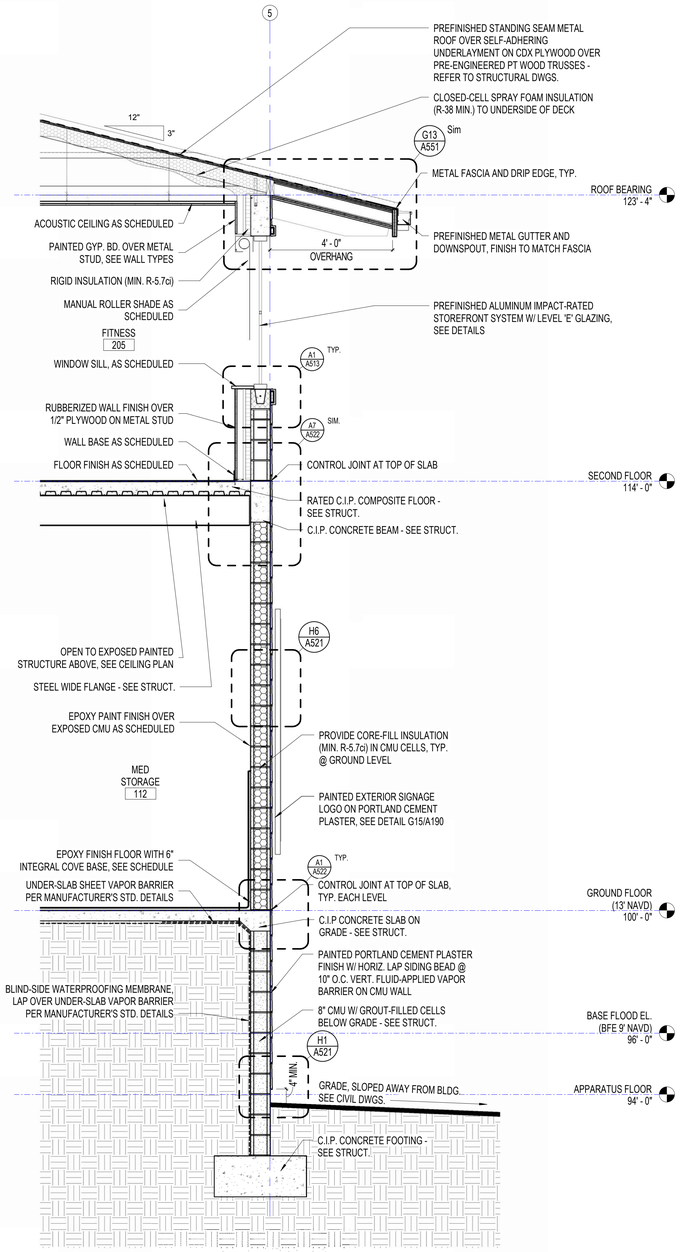


A1 WALL SECTION AT SLIDE POLE

1/2" = 1'-0"



A7 TYPICAL EXTERIOR WALL SECTION

1/2" = 1'-0"

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WALL SECTIONS

A355
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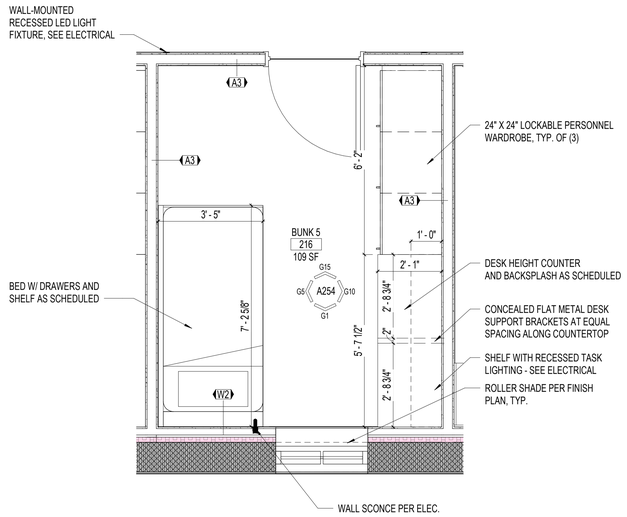
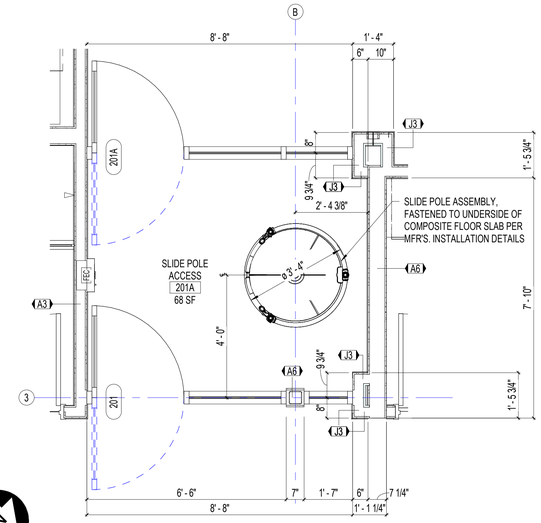


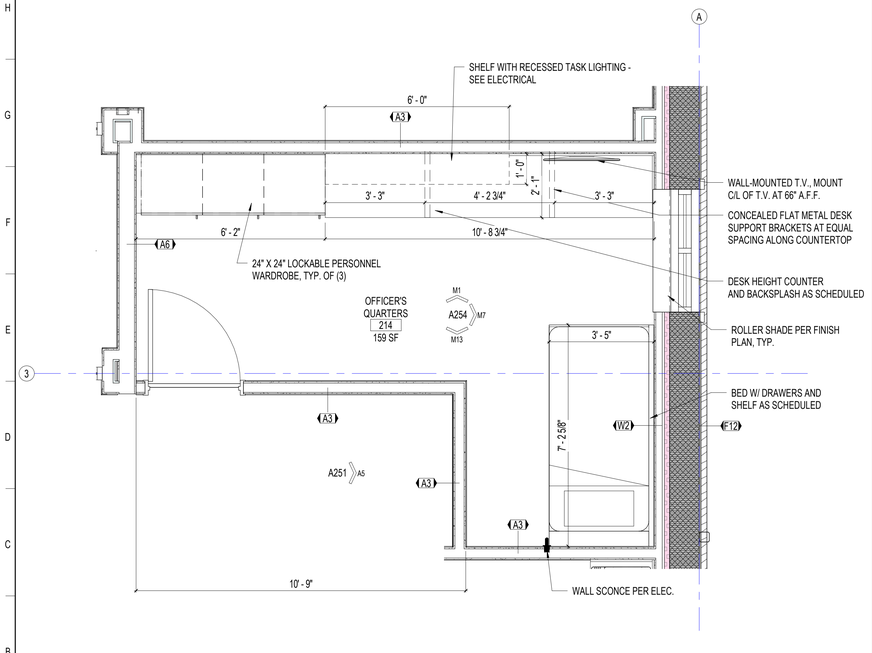
J1 ENLARGED PLAN - CREW QUARTERS

1/2" = 1'-0"



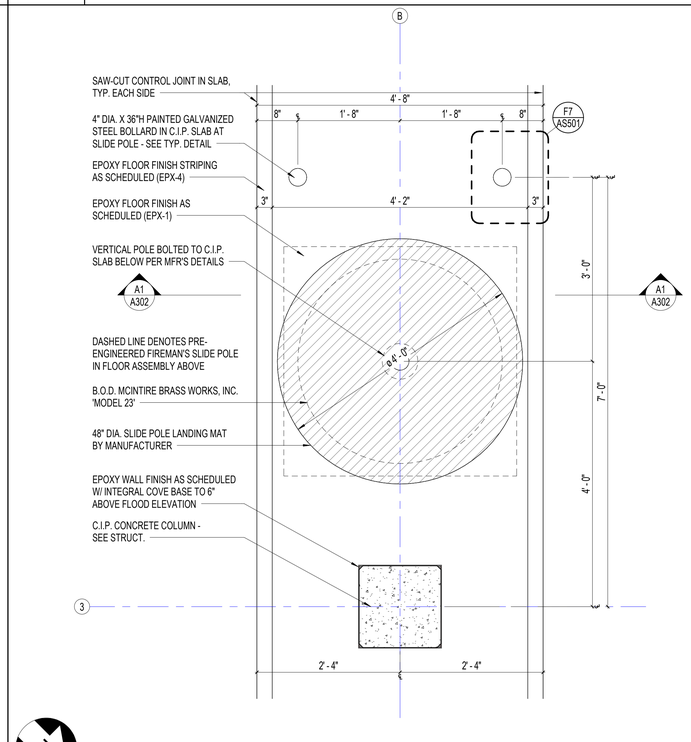
J8 ENLARGED PLAN - SLIDE POLE ACCESS

1/2" = 1'-0"



A1 ENLARGED PLAN - OFFICER'S QUARTERS

1/2" = 1'-0"



A8 PLAN DETAIL - SLIDE POLE LANDING AREA

1" = 1'-0"

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ENLARGED FLOOR PLANS

A401
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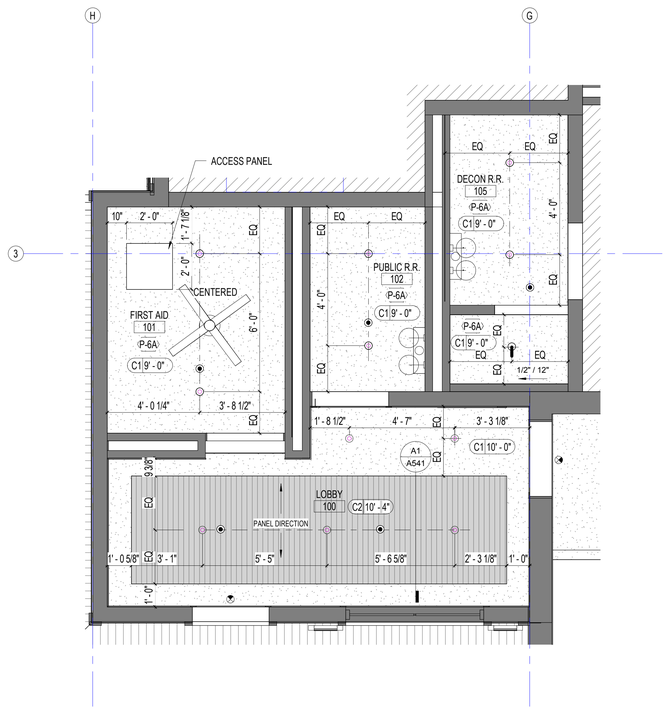

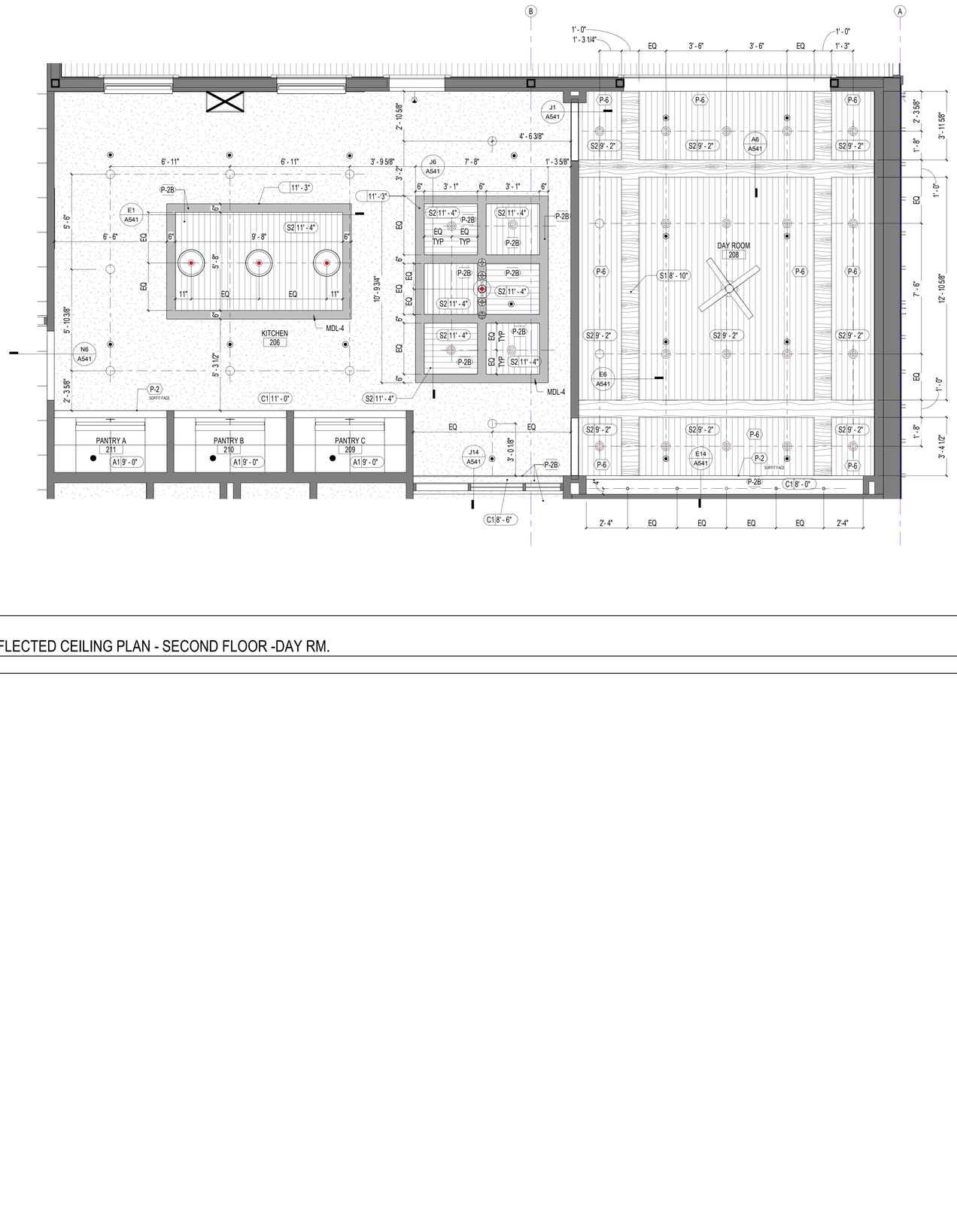

H1	REFLECTED CEILING PLAN - APPARATUS LEVEL & FIRST FLOOR - LOBBY	H7	REFLECTED CEILING PLAN - SECOND FLOOR -DAY RM.
3/8" = 1'-0"		3/8" = 1'-0"	

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

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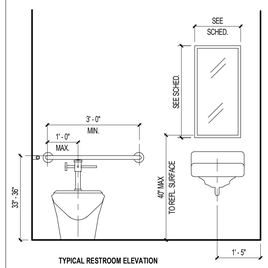
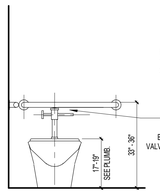
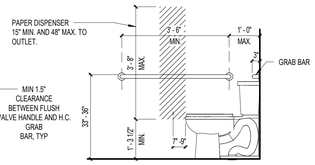
ACCESSORY MOUNTING HEIGHTS



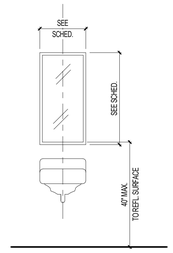
TYPICAL RESTROOM ELEVATION



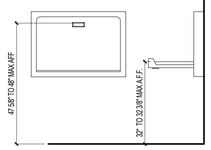
FLUSH VALVE HEIGHT



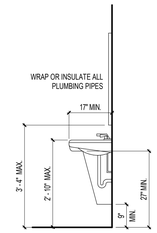
SIDE VIEW - TOILET



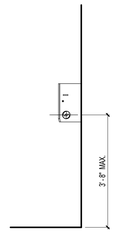
MIRROR



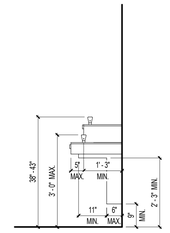
BABY CHANGING STATION



WALL HUNG SINKS / MIRROR



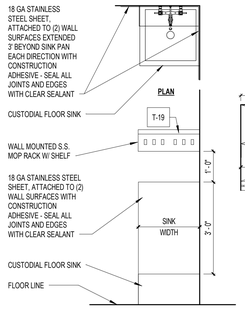
HAND TOWEL DISPENSER



ELECTRIC WATER COOLER

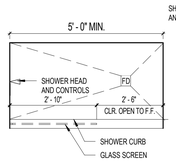
TOILET ACCESSORY MOUNTING HEIGHTS

MOP SINK
MS-1

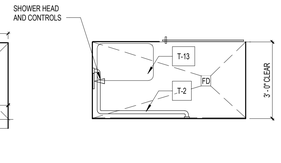


ELEVATION

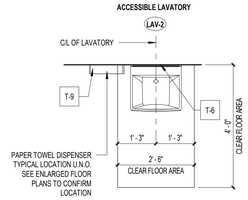
SHOWER
SH-1



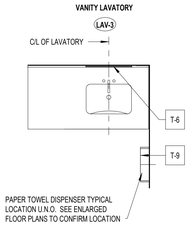
ACCESSIBLE STEAM SHOWER
SH-2



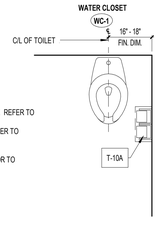
ACCESSIBLE LAVATORY
LAV-2



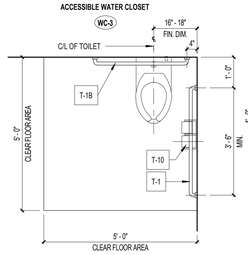
VANITY LAVATORY
LAV-3



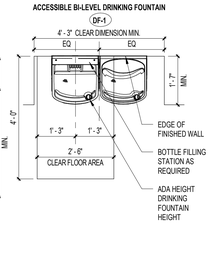
WATER CLOSET
WC-1



ACCESSIBLE WATER CLOSET
WC-3

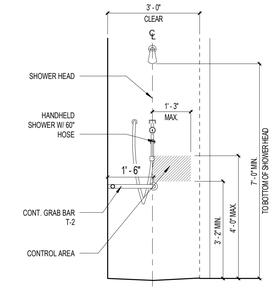


ACCESSIBLE BI-LEVEL DRINKING FOUNTAIN
DF-1

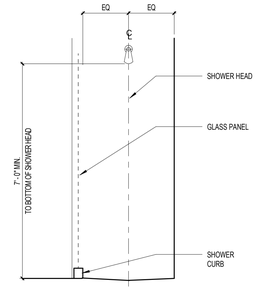


NOTES:

1. ALL TOILET ACCESSORIES SHOWN ARE DIAGRAMMATIC IN NATURE AND NOT INTENDED TO ACCURATELY REFLECT THE SPECIFIED PRODUCT. REFER TO TOILET ACCESSORY SCHEDULE AND SPECIFICATIONS.
2. PLUMBING FIXTURES SHOWN ARE DIAGRAMMATIC IN NATURE AND NOT INTENDED TO ACCURATELY REFLECT THE SPECIFIED PRODUCT. REFER TO PLUMBING FIXTURE SCHEDULE.
3. ALL DIMENSIONS ARE TO FINISH.
4. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE REQUIRED INSTALLATION MOUNTING HEIGHTS AND CLEARANCES PRIOR TO INSTALLATION OF FIXTURES AND/OR ACCESSORIES.
5. ITEM T-9 PAPER TOWEL DISPENSER, TO BE LOCATED AS INDICATED ON FLOOR PLANS.
6. ITEMS LAV-3 & LAV-4 ARE SPECIALTY LAVATORIES, SEE SPECIFICATIONS AND FINISH SCHEDULE FOR MORE INFORMATION.
7. PROVIDE ITEM T-6 AT ALL LAVATORIES U.N.O.
8. PROVIDE T-16 AT ALL MAIN RESTROOMS, SEE LOCATION IN PLANS.



CONTROL WALL ON ROLL-IN SHOWER SH-1 (SHOWER AND CONTROL LOCATION AT SHOWERS WITHOUT SEAT)



CONTROL WALL ON STEP-IN SHOWER SH-2

NOTES:

1. ALL HEIGHTS TO MEET CURRENT FLORIDA ACCESSIBILITY STANDARDS.
2. COORDINATE MOUNTING HEIGHTS W/ MEP DRAWINGS.
3. PROVIDE BLOCKING IN WALL BEHIND ALL GRAB BARS.

TYPICAL PLUMBING FIXTURE CONFIGURATION LEGEND

PLUMBING ACCESSORY MOUNTING HEIGHTS

TOILET ACCESSORY SCHEDULE

TAG #	FIXTURE OR ACCESSORY	MANUFACTURER	MODEL #	REMARKS	OFOI	OFCI	CFCI
T-1	GRAB BAR - 48 INCH	BOBRICK	B-6806				X
T-1B	GRAB BAR - 36 INCH	BOBRICK	B-6806				X
T-2	GRAB BAR - CONTINUOUS HORIZONTAL BAR, L-SHAPE	BOBRICK	B-6861				X
T-6	MIRROR	KOHLER	K-31364-BNL	24"X36"			X
T-8	SOAP DISPENSER	BY OWNER	BY OWNER		X		
T-9	OCEANS ELEMENT LEVER ROLL TOWEL DISPENSER	SAN JAMAR	T990TBL	OWNER PURCHASE		X	
T-10	COMMERCIAL TOILET PAPER DISPENSER-TWIN ROLL (WHITE)	ENBATH	N/A	OWNER PURCHASE		X	
T-10A	TOILET PAPER HOLDER W/SHELF WALL MOUNTED (MATTE BLACK)	BJIOTUN	B08BYGW8QV	OWNER PURCHASE		X	
T-13	BENCH BY OWNER	BY OWNER	BY OWNER		X		
T-14	SHOWER ROD / SHOWER CURTAIN HOOK / SHOWER CURTAIN	BY OWNER					X
T-16	WALL-MOUNTED BABY CHANGING STATION	ASI	9013-9	HANDLE AT 48" A.F.F. MAX. INSTALL PER MANUFACTURER SPECS.			X
T-19	SHELF, RAG, & HOOK BROOM HOLDER	HOMEASY	SUS304	OWNER PURCHASE	X		
ST-1	STEAM SHOWER HEAD	AMEREC	COMFORTFLO-8816-36 CFSH-BN				X
ST-2	STEAM SHOWER CONTROLS	AMEREC					X

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TOILET ACCESSORY SCHEDULE & MOUNTING HEIGHTS

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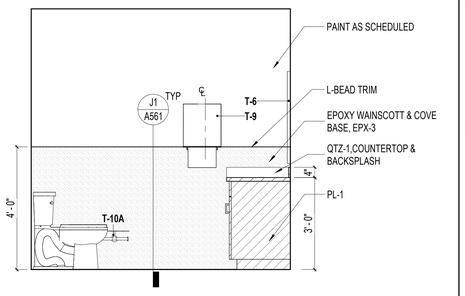
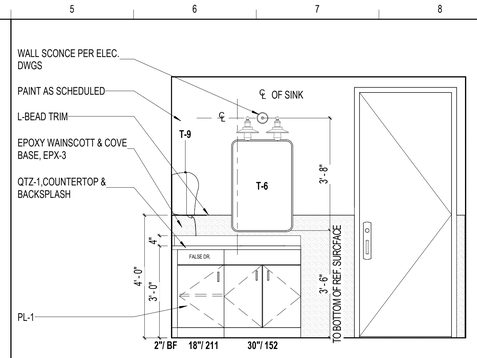


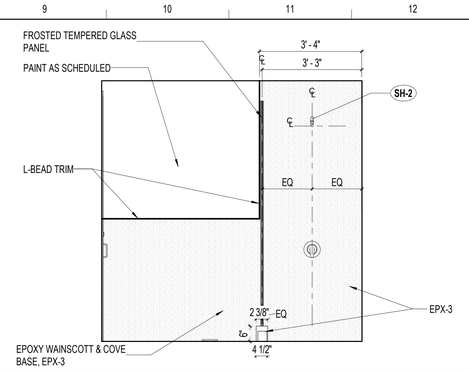
N1 INTERIOR ELEVATION - CREW RESTROOM

1/2" = 1'-0"



N5 INTERIOR ELEVATION - CREW RESTROOM

1/2" = 1'-0"



N9 INTERIOR ELEVATION - CREW RESTROOM

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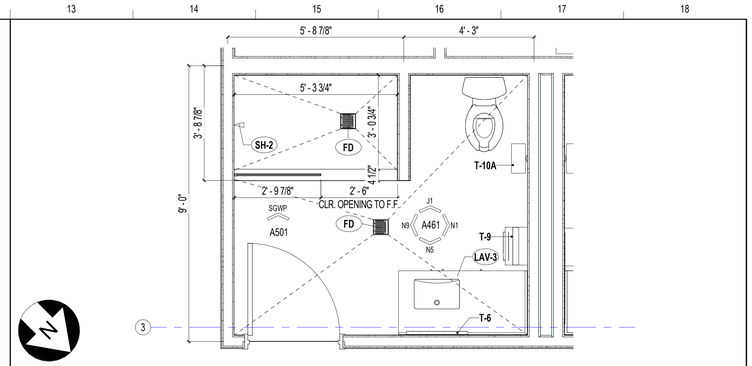
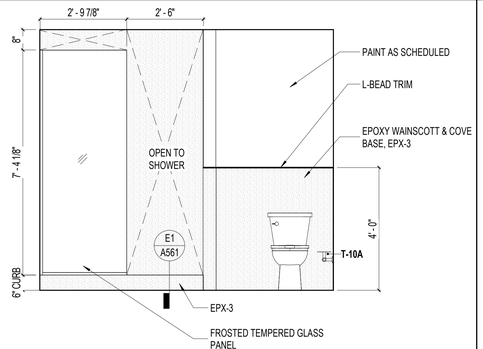


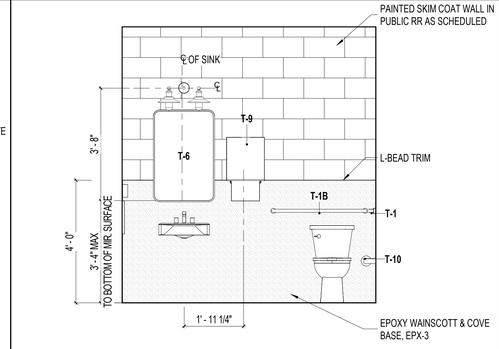
N13 ENLARGED PLAN - TYPICAL CREW RESTROOM

1/2" = 1'-0"



J1 INTERIOR ELEVATION - CREW RESTROOM

1/2" = 1'-0"



J5 INTERIOR ELEVATION - TYP. RESTROOM

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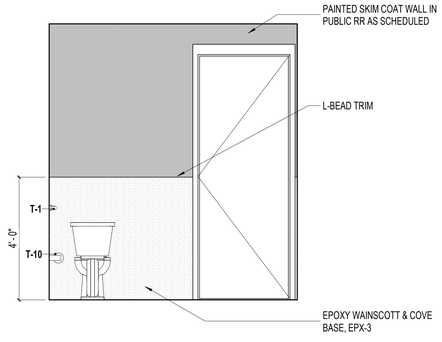

J9 INTERIOR ELEVATION - TYP. RESTROOM

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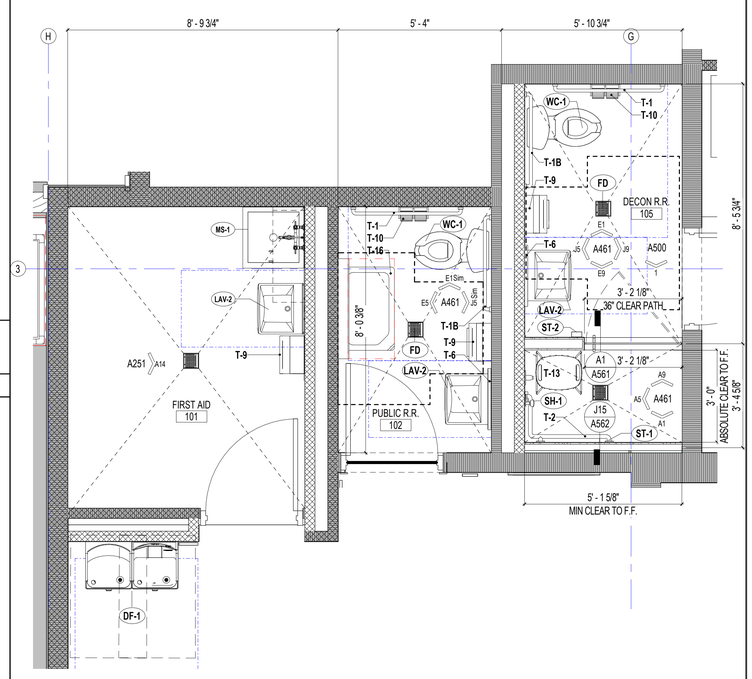

E13 ENLARGED PLAN - LOBBY RR

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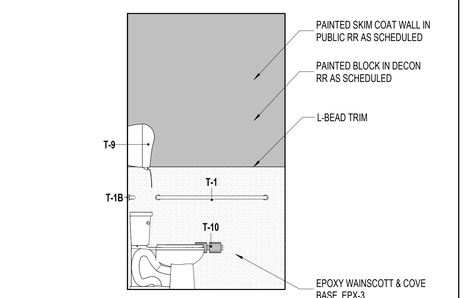
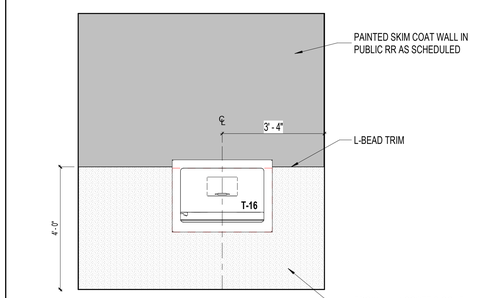


E1 INTERIOR ELEVATION - TYP. RESTROOM

1/2" = 1'-0"



E5 INTERIOR ELEVATION - TYP. RESTROOM

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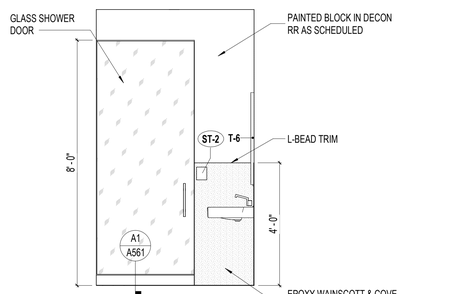
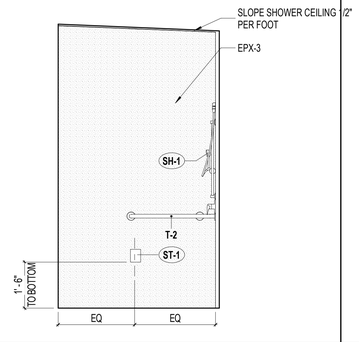


E9 INTERIOR ELEVATION - DECON RR

1/2" = 1'-0"

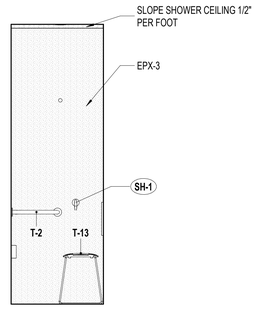
GENERAL NOTES:

1. FOR ADDITIONAL ACCESSORIES INFORMATION, SEE SHEET A460



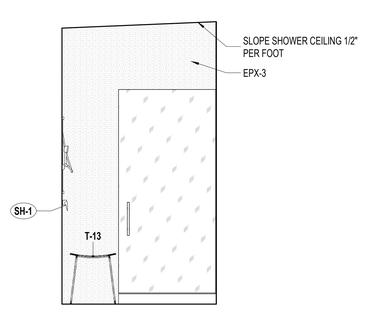
A1 STEAM SHOWER ELEVATION

1/2" = 1'-0"



A5 STEAM SHOWER ELEVATION

1/2" = 1'-0"



A9 STEAM SHOWER ELEVATION

1/2" = 1'-0"

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ENLARGED FLOOR PLANS - TOILET

A461

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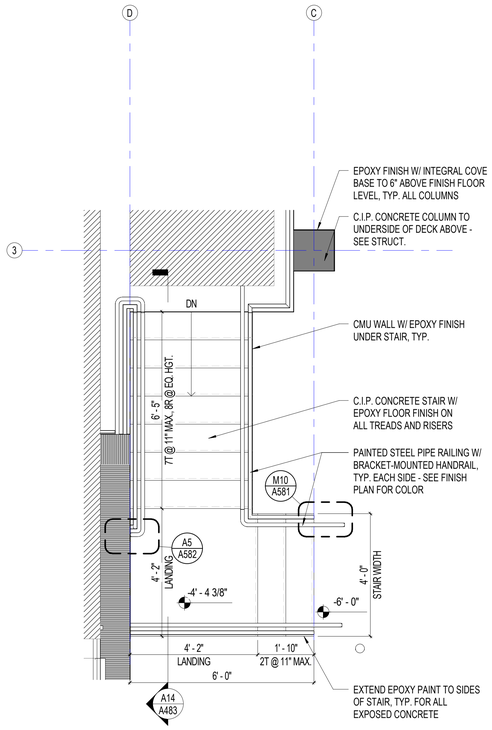
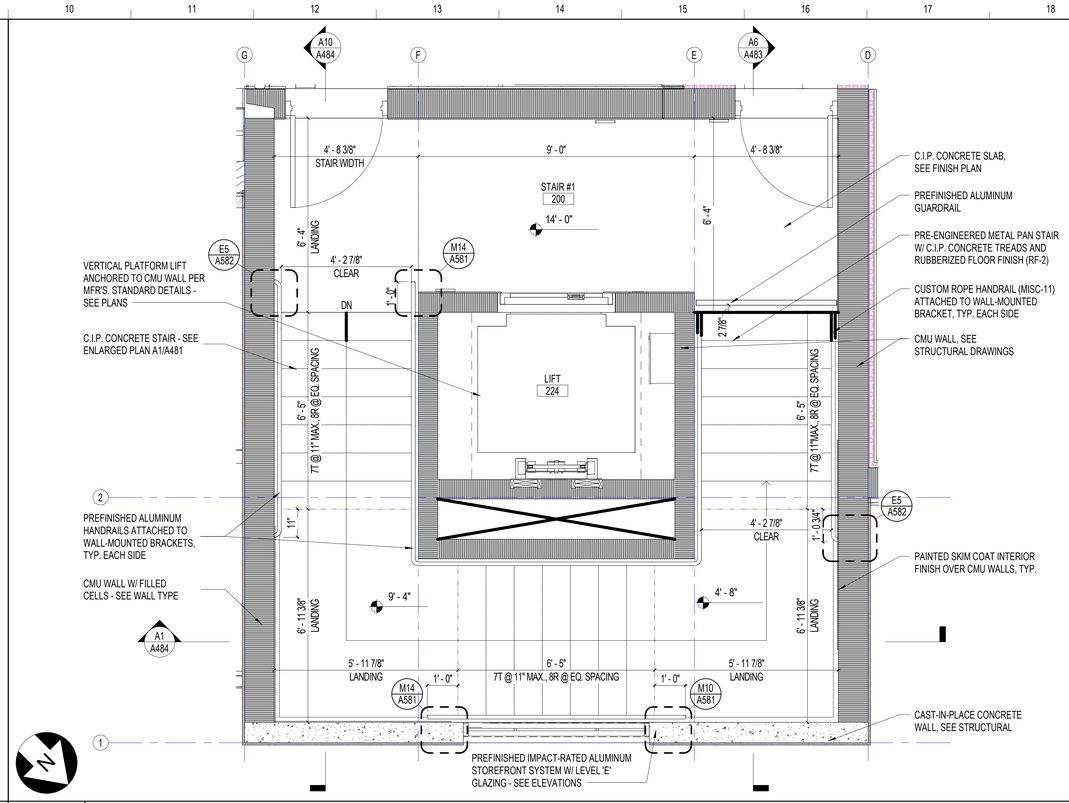


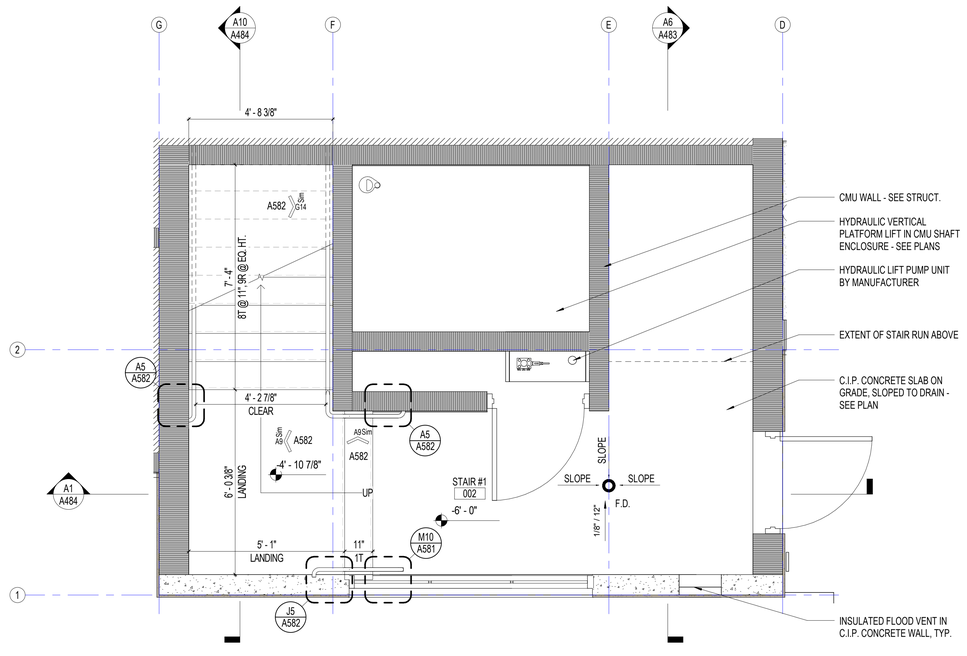
J1 STAIR PLAN - APPARATUS BAY CATWALK

1/2" = 1'-0"



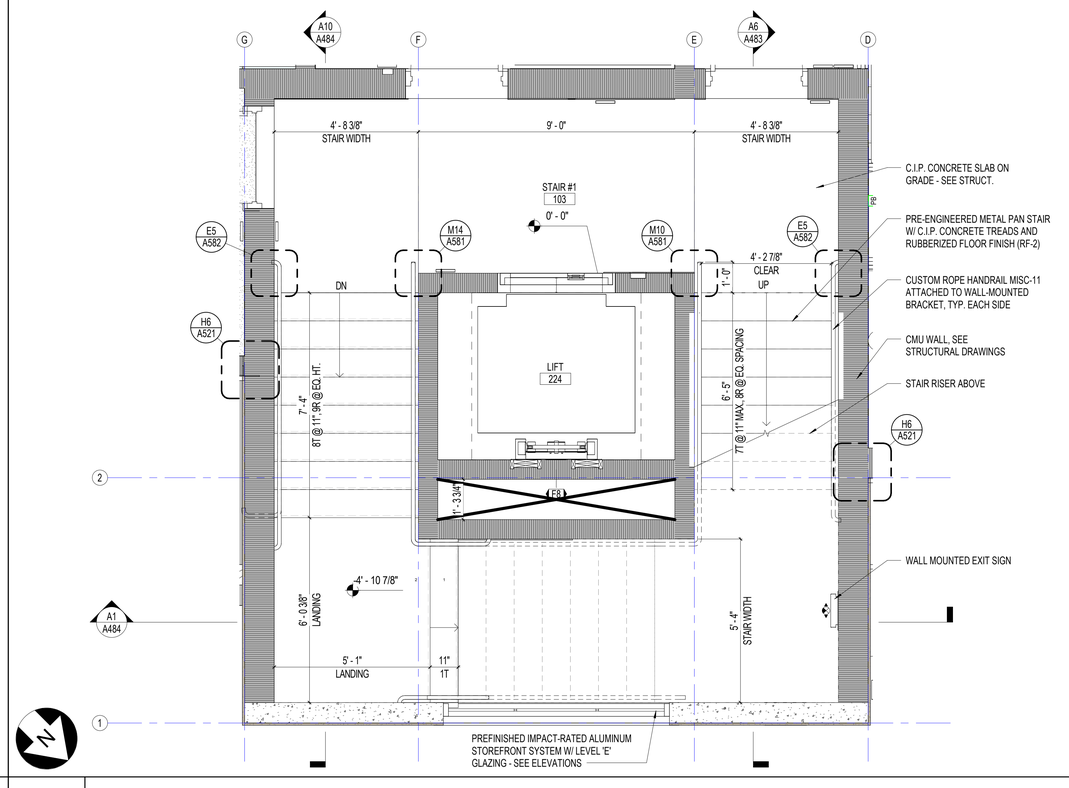
J10 STAIR PLAN - STAIR TOWER SECOND FLOOR

1/2" = 1'-0"



A1 STAIR PLAN - STAIR TOWER GRADE LEVEL

1/2" = 1'-0"



A10 STAIR PLAN - STAIR TOWER FIRST FLOOR

1/2" = 1'-0"

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ENLARGED STAIR PLANS - INTERIOR

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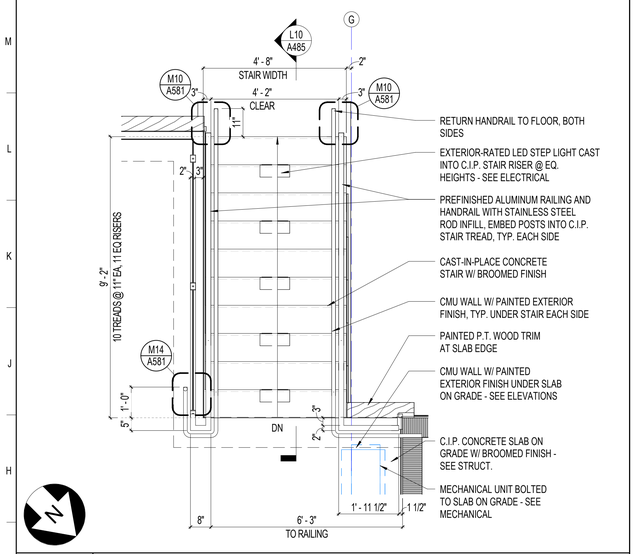
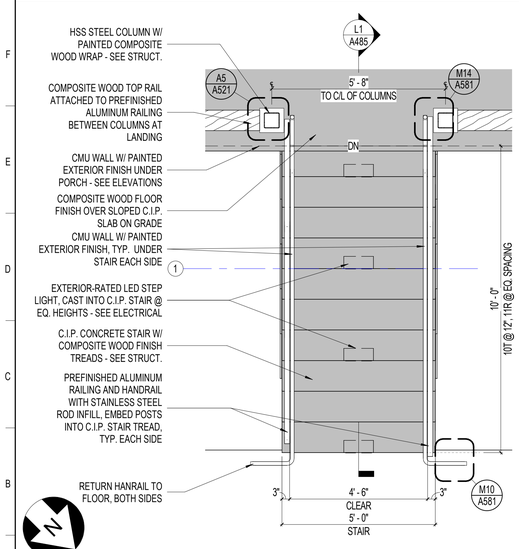
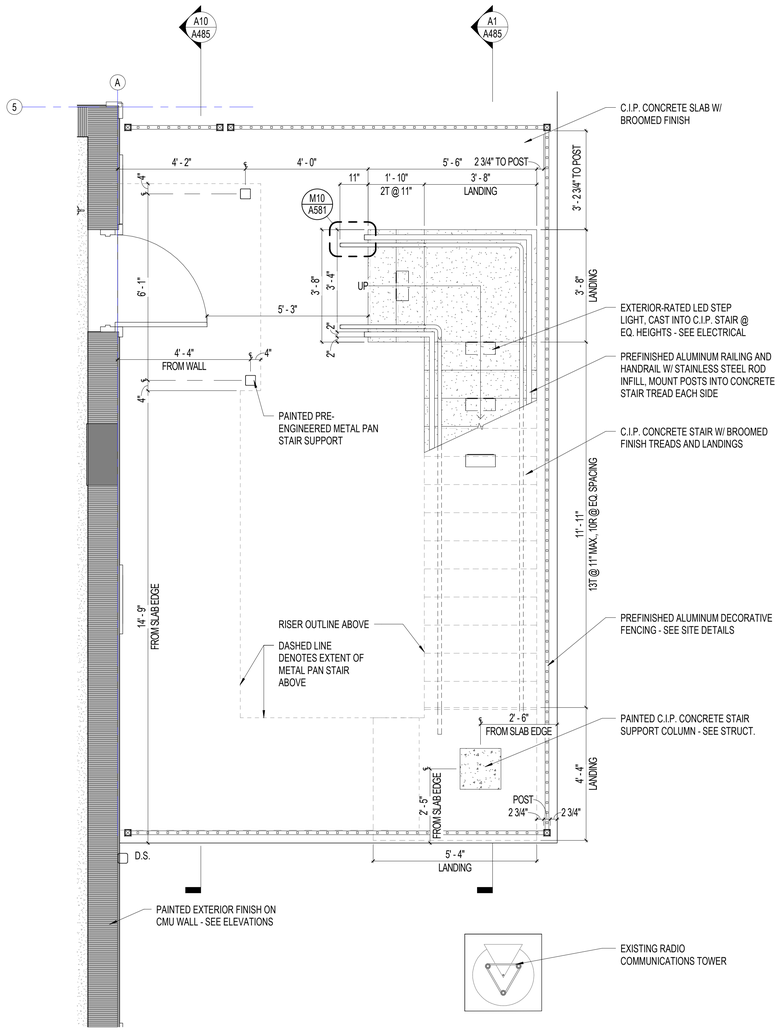


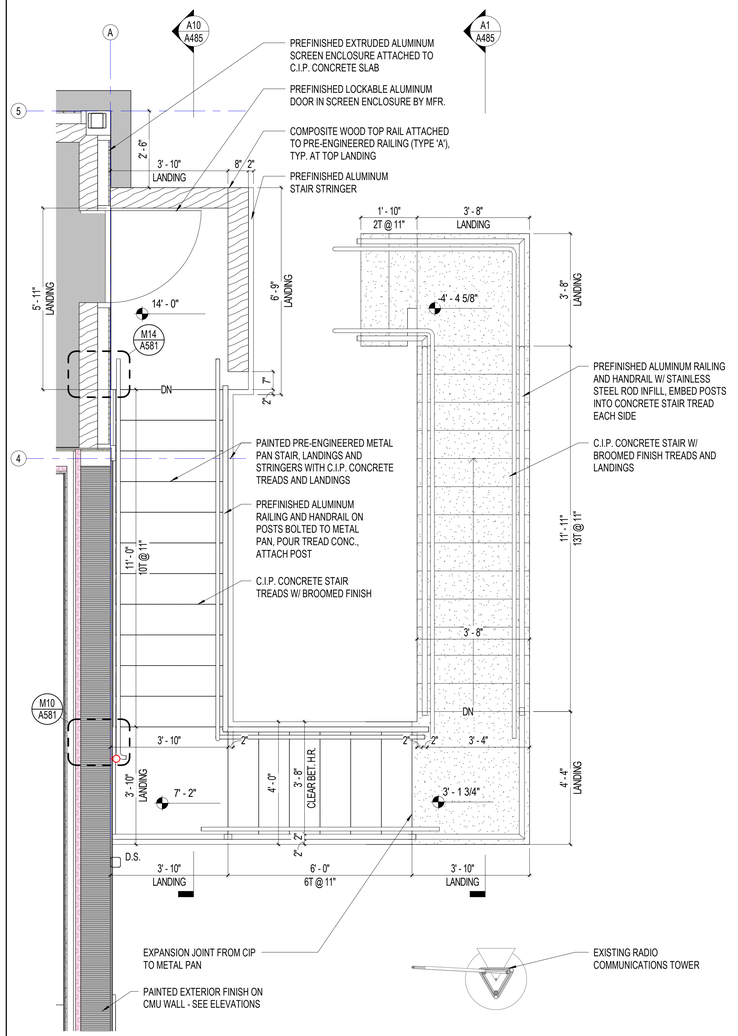
G1	STAIR PLAN - MECH. YARD STAIR
1/2" = 1'-0"	



A1	STAIR PLAN - PORCH STAIR
1/2" = 1'-0"	



A6	STAIR PLAN - EXTERIOR STAIR FIRST FLOOR
1/2" = 1'-0"	



A13	STAIR PLAN - EXTERIOR STAIR SECOND FLOOR
1/2" = 1'-0"	

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

SCHENKEL SHULTZ

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ENLARGED STAIR PLANS - EXTERIOR

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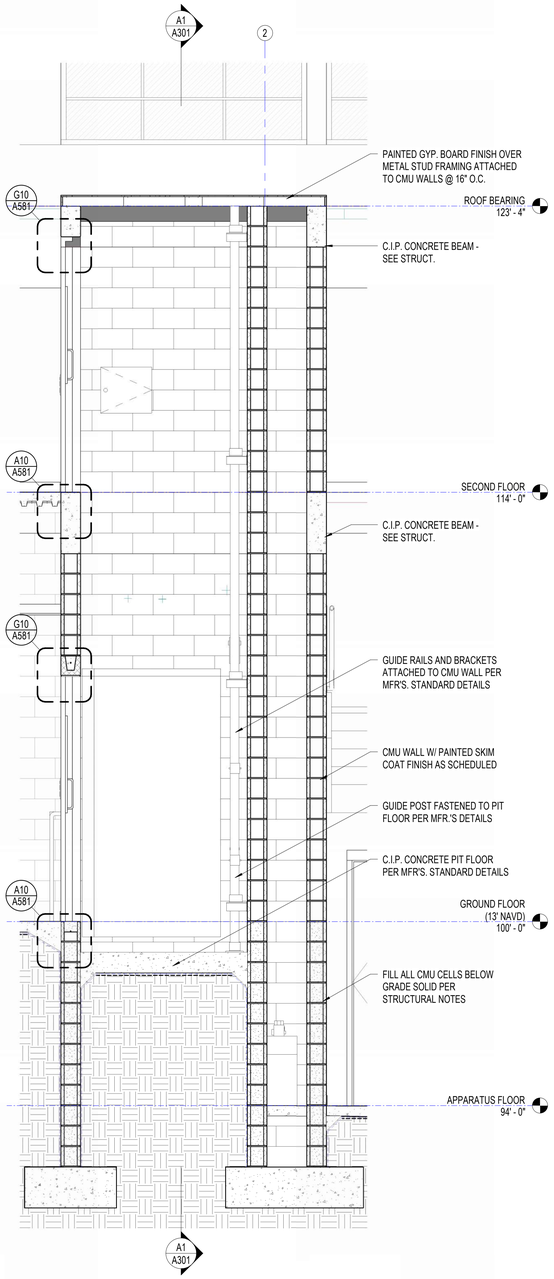

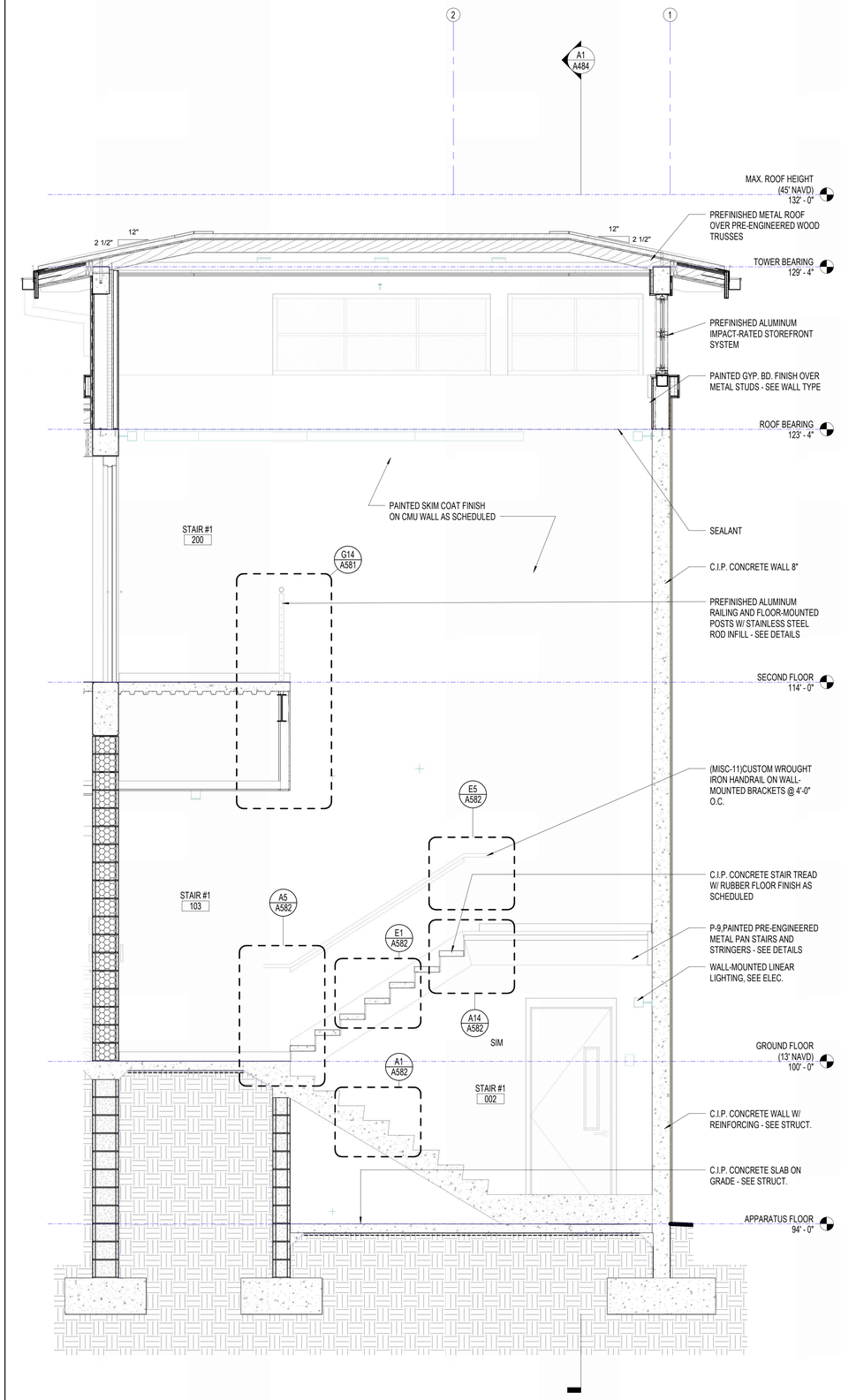

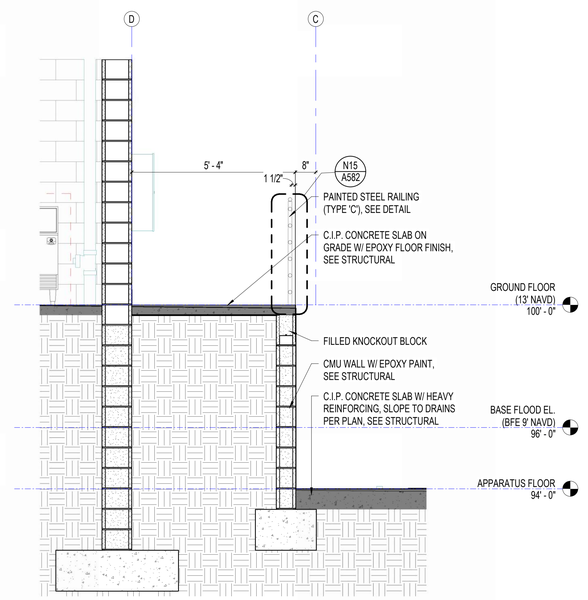

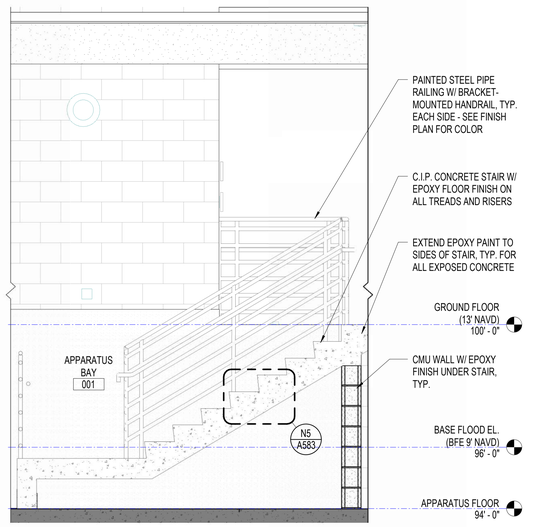

A1	HOISTWAY SECTION	A6	STAIR TOWER SECTION
1/2" = 1'-0"		1/2" = 1'-0"	

J14	TYP. CATWALK SECTION	A14	STAIR SECTION - APPARATUS BAY
1/2" = 1'-0"		1/2" = 1'-0"	

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STAIR / LIFT SECTIONS

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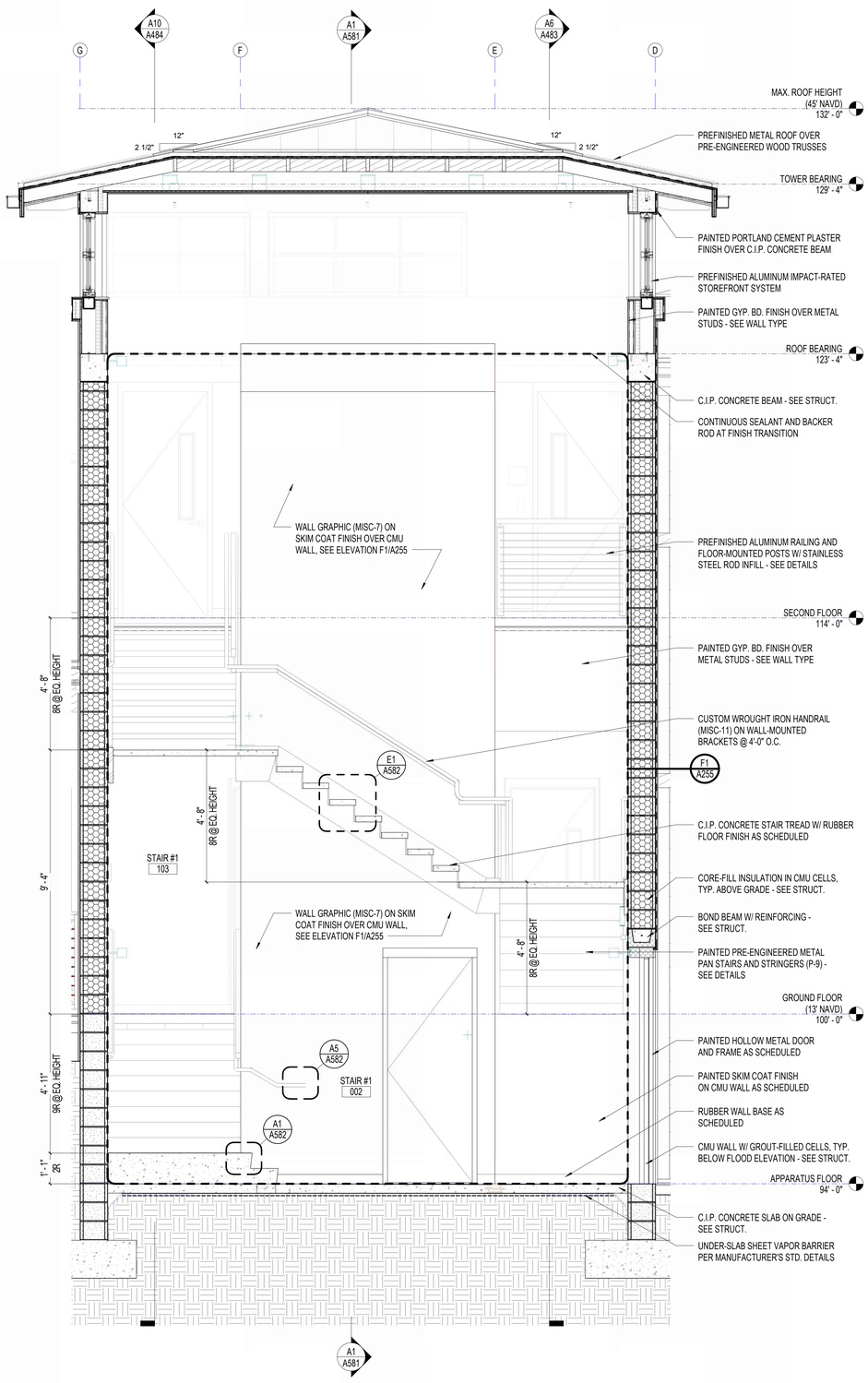
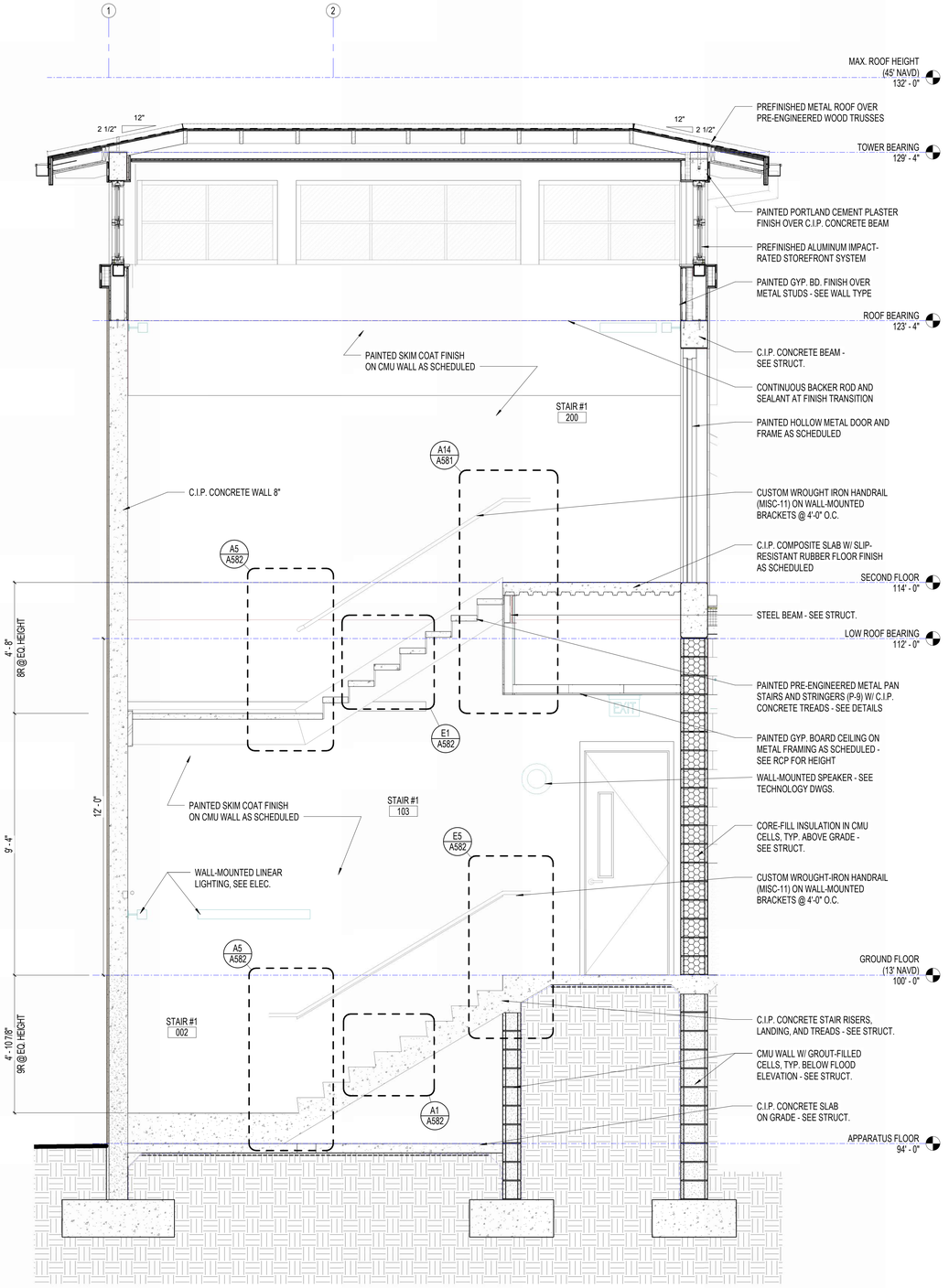


A1 STAIR TOWER SECTION A

1/2" = 1'-0"



A10 STAIR TOWER SECTION B

1/2" = 1'-0"

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SANIBEL FIRE AND RESCUE STATION 172

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ENLARGED STAIR SECTIONS

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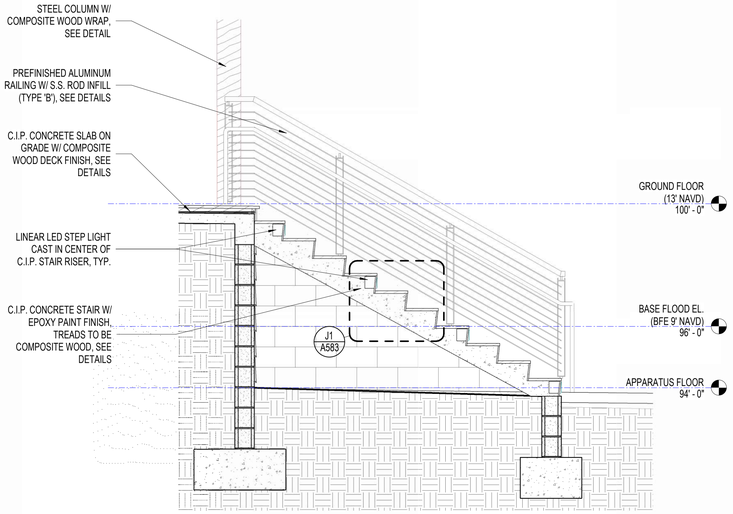
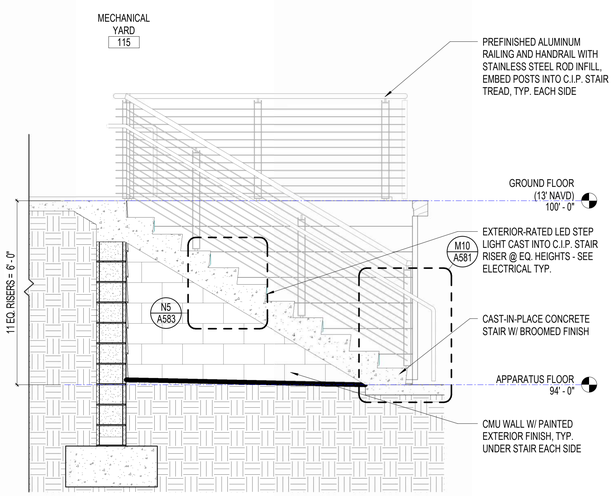


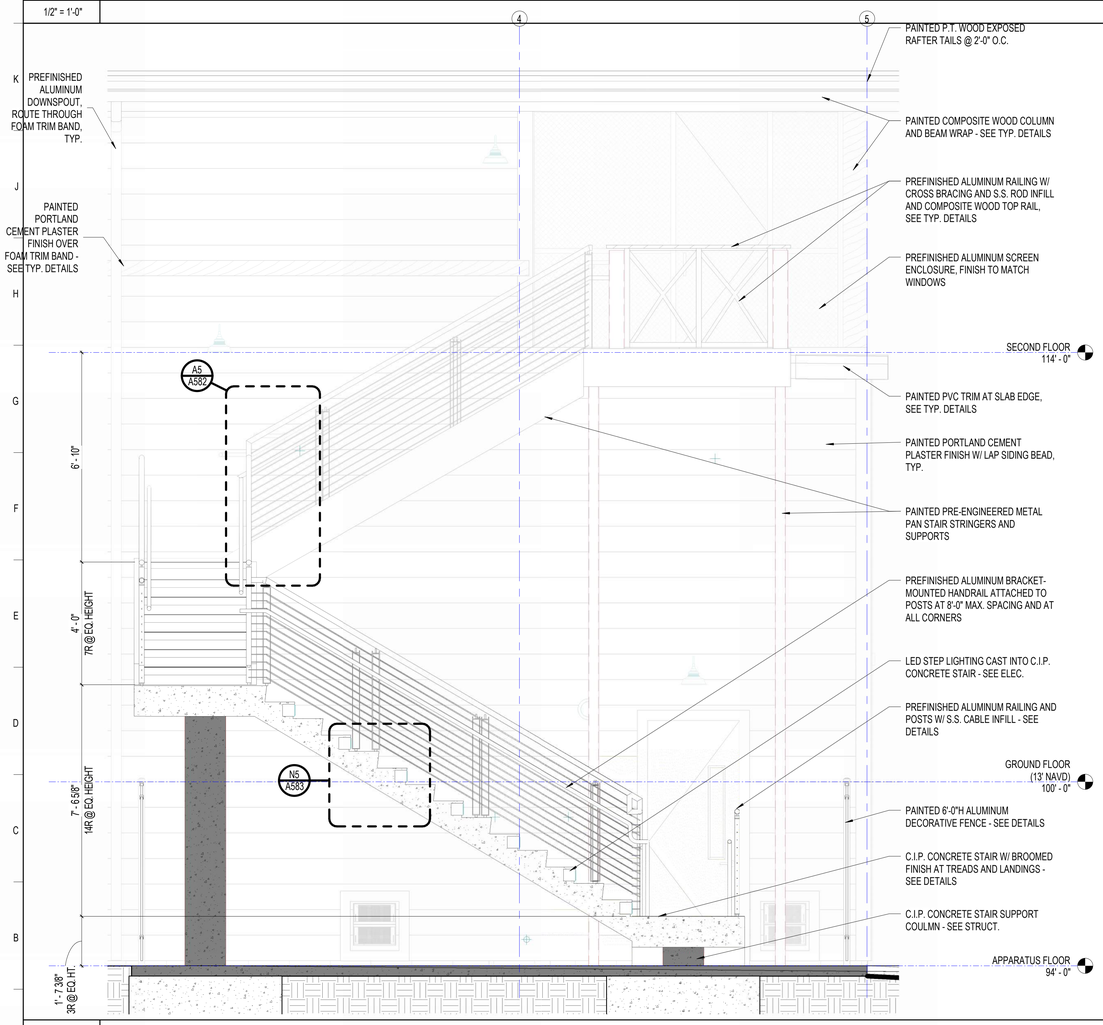
L1 STAIR SECTION - EXTERIOR C.I.P. STAIR

1/2" = 1'-0"



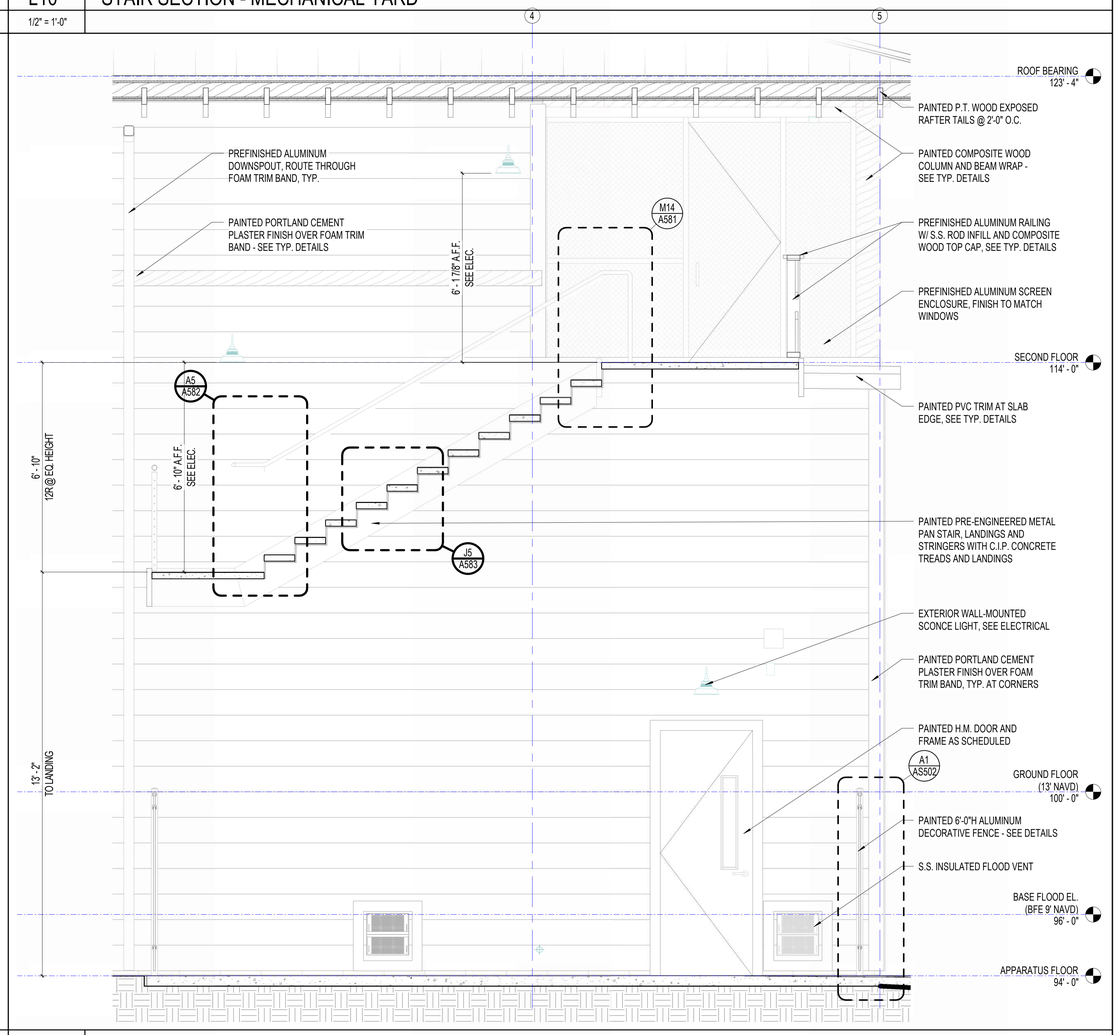
L10 STAIR SECTION - MECHANICAL YARD

1/2" = 1'-0"



A1 EXTERIOR STAIR SECTION 1

1/2" = 1'-0"



A10 EXTERIOR STAIR SECTION 2

1/2" = 1'-0"

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ENLARGED STAIR SECTIONS

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DOOR SCHEDULE

Level	DOOR NUMBER	DOOR PANEL LEAF WIDTH	DOOR PANEL LEAF HEIGHT	DOOR PANEL LEAF TYPE	DOOR PANEL LEAF MATERIAL	GLAZING TYPE	DOOR FRAME TYPE	DOOR FRAME MATERIAL	DOOR/FRAME RATING	STC RATING	DOOR HARDWARE	ACCESS CONTROL	DETAILS HEAD	DETAILS JAMB	DETAILS THRESHOLD / SILL	COMMENTS
STORAGE FIN. FLR.	004	3' - 0"	7' - 0"	F	HM		3	HM			06		A11/A510	F1/A510	L1/A510	
STORAGE FIN. FLR.	004A	10' - 0"	8' - 0"	OHS	STL		MFG	STL					J15/A512	E15/A512	A15/A512	
STORAGE FIN. FLR.	004B	10' - 0"	8' - 0"	OHS	STL		MFG	STL					J15/A512	E15/A512	A15/A512	
APPARATUS FLOOR	001	3' - 0"	8' - 0"	N	HM	GL-1A	3	HM			02	Y	A1/A510	F1/A510	L1/A510	
APPARATUS FLOOR	001A	14' - 0"	14' - 0"	BFA	STL	GL-4		STL			14		L1/A512	F1/A512	A1/A512	
APPARATUS FLOOR	001B	14' - 0"	14' - 0"	BFA	STL	GL-4		STL			14		L1/A512	F1/A512	A1/A512	
APPARATUS FLOOR	001C	14' - 0"	14' - 0"	BFA	STL	GL-4		STL			14		L1/A512	F1/A512	A1/A512	
APPARATUS FLOOR	001D	14' - 0"	14' - 0"	OHMC	STL			STL			14		N11/A512	E11/A512	A11/A512	
APPARATUS FLOOR	001E	14' - 0"	14' - 0"	OHMC	STL			STL			14		N11/A512	E11/A512	A11/A512	
APPARATUS FLOOR	001F	14' - 0"	14' - 0"	OHMC	STL			STL			14		N11/A512	E11/A512	A11/A512	
APPARATUS FLOOR	002	3' - 0"	8' - 0"	N	HM	FG-45	3	HM	60		02	Y	A1/A510	F1/A510	L1/A510	
APPARATUS FLOOR	003	3' - 0"	8' - 0"	F	HM		3	HM			06		A6/A510	F6/A510	L1/A510	
GROUND FLOOR (13' NAVD)	100	3' - 0"	8' - 0"	FG	ALUM.	SF GLAZING (GL-2)	3	ALUM.			01					
GROUND FLOOR (13' NAVD)	101	3' - 0"	8' - 0"	F	HM		3	HM			07	Y	A6/A510	F6/A510	L1/A510	
GROUND FLOOR (13' NAVD)	102	3' - 0"	8' - 0"	F	HM		3	HM			08		A6/A510	F6/A510	L1/A510	
GROUND FLOOR (13' NAVD)	103	3' - 0"	8' - 0"	N	HM	FG-45	3	HM	60		06	Y	A6/A510	F6/A510	L1/A510	
GROUND FLOOR (13' NAVD)	103A	3' - 0"	8' - 0"	N	HM	FG-45	3	HM	60		06		A6/A510	F6/A510	L1/A510	
GROUND FLOOR (13' NAVD)	104	3' - 0"	8' - 0"	N	HM	FG-45	3	HM	60		10		A6/A510	F6/A510	L1/A510	
GROUND FLOOR (13' NAVD)	104A	3' - 0"	8' - 0"	N	HM	FG-45	3	HM	45		06		A6/A510	F6/A510	L1/A510	
GROUND FLOOR (13' NAVD)	105	3' - 0"	8' - 0"	F	HM		3	HM			09		A6/A510	F6/A510	L1/A510	
GROUND FLOOR (13' NAVD)	105A	3' - 0"	8' - 0"	SSD	GLASS	GT		S.S.					N14/A513	F14/A513 / J14/A513		STEAM SHOWER DOOR
GROUND FLOOR (13' NAVD)	107	3' - 0"	8' - 0"	F	HM		3	HM	45		11		A6/A510	F6/A510	L1/A510	
GROUND FLOOR (13' NAVD)	108	3' - 0"	8' - 0"	N	HM	FG-45	3	HM	45		06		A6/A510	F6/A510	L1/A510	
GROUND FLOOR (13' NAVD)	110	3' - 0"	8' - 0"	N	HM	GL-4	3	HM	45		06	Y	A6/A510	F6/A510	L1/A510	
GROUND FLOOR (13' NAVD)	111	3' - 0"	8' - 0"	N	HM	GL-4	3	HM	45		06		A6/A510	F6/A510	L1/A510	
GROUND FLOOR (13' NAVD)	111A	3' - 0"	8' - 0"	N	HM	GL-1A	3	HM			02		A1/A510	F1/A510	L1/A510	
GROUND FLOOR (13' NAVD)	112	3' - 0"	8' - 0"	N	HM	FG-45	3	HM	45		06	Y	A6/A510	F6/A510	L1/A510	
GROUND FLOOR (13' NAVD)	113	6' - 0"	8' - 0"	F(2)	HM		4	HM			04	Y	A1/A510	F1/A510	L1/A510	
GROUND FLOOR (13' NAVD)	124	3' - 0"	8' - 0"	BY MFR.	BY MFR.	BY MFR.	BY MFR.	BY MFR.	BY MFR.		BY MFR.		L9/A581		A9/A581	ELEVATOR DOOR BY MANUFACTURER
SECOND FLOOR	200	3' - 0"	8' - 0"	N	HM	FG-45	3	HM	60		05		A6/A510	F6/A510	L1/A510	
SECOND FLOOR	200A	3' - 0"	8' - 0"	N	HM	FG-45	3	HM	60		03		A1/A510	F1/A510	L1/A510	
SECOND FLOOR	201	3' - 0"	7' - 10"	FG	ALUM.	SF GLAZING (GT)	1	ALUM.								DUAL-SWING ACTION DOOR W/ PUSH BAR
SECOND FLOOR	201A	3' - 0"	7' - 10"	FG	ALUM.	SF GLAZING (GT)	1	ALUM.			12					DUAL-SWING ACTION DOOR W/ PUSH BAR
SECOND FLOOR	202	3' - 0"	8' - 0"	N	WD	GL-4	1	HM			10		A11/A510	F11/A510	L1/A510	
SECOND FLOOR	203	3' - 0"	8' - 0"	F	WD		1	HM			10		A11/A510	F11/A510	L1/A510	
SECOND FLOOR	204	3' - 0"	8' - 0"	N	WD	GL-4	1	HM			06	Y	A11/A510	F14/A510	L1/A510	
SECOND FLOOR	205	3' - 0"	7' - 10"	FG	ALUM.	SF GLAZING (GT)	1	ALUM.								
SECOND FLOOR	206	3' - 0"	8' - 0"	FG	ALUM.	SF GLAZING (GL-2)	1	ALUM.			01					
SECOND FLOOR	208	11' - 11 1/2"	7' - 11 1/2"	SGD	ALUM.	GL-3		ALUM.					L11/A511	F11/A511	A11/A511	IMPACT-RATED SLIDING GLASS DOOR WITH LEVEL E FABRIC SHUTTER
SECOND FLOOR	209	6' - 6"	8' - 0"	OHC	STL			STL			14		N11/A512	J11/A512	A11/A512	
SECOND FLOOR	210	6' - 6"	8' - 0"	OHC	STL			STL			14		N11/A512	J11/A512	A11/A512	
SECOND FLOOR	211	6' - 6"	8' - 0"	OHC	STL			STL			14		N11/A512	J11/A512	A11/A512	
SECOND FLOOR	212	3' - 0"	8' - 0"	F	WD		1	HM			08		A11/A510	F11/A510	L1/A510	
SECOND FLOOR	213	3' - 0"	8' - 0"	F	WD		1	HM			08		A11/A510	F11/A510	L1/A510	
SECOND FLOOR	214	3' - 0"	8' - 0"	F	WD		1	HM			10		A11/A510	F11/A510	L1/A510	
SECOND FLOOR	215	3' - 0"	8' - 0"	N	WD	GL-4	1	HM	20		10		A11/A510	F11/A510	L1/A510	PROVIDE HOLD-OPEN HARDWARE
SECOND FLOOR	216	3' - 0"	8' - 0"	F	WD		1	HM	20		10		A11/A510	F11/A510	L1/A510	
SECOND FLOOR	217	3' - 0"	8' - 0"	F	WD		1	HM	20		10		A11/A510	F11/A510	L1/A510	
SECOND FLOOR	218	3' - 0"	8' - 0"	F	WD		1	HM	20		10		A11/A510	F11/A510	L1/A510	
SECOND FLOOR	219	3' - 0"	8' - 0"	F	WD		1	HM	20		10		A11/A510	F11/A510	L1/A510	
SECOND FLOOR	220	3' - 0"	8' - 0"	F	WD		1	HM	20		10		A11/A510	F11/A510	L1/A510	
SECOND FLOOR	222	3' - 0"	7' - 10"	FG3	ALUM.	SCREEN	1	ALUM.			13					DOOR IN SCREEN ENCLOSURE BY MANUFACTURER
SECOND FLOOR	224	3' - 0"	8' - 0"	BY MFR.	BY MFR.	BY MFR.	BY MFR.	BY MFR.	BY MFR.		BY MFR.		L9/A581		A9/A581	ELEVATOR DOOR BY MANUFACTURER

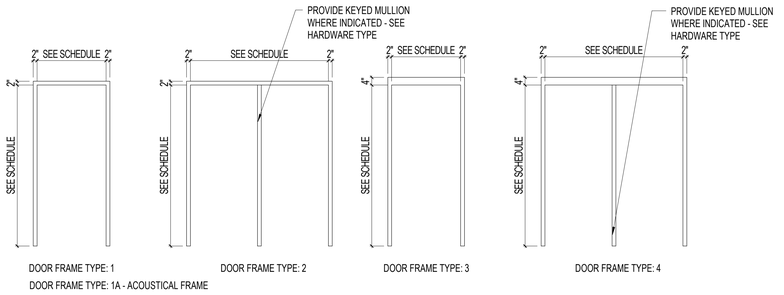
NOTE: SEE SPECIFICATIONS FOR DOOR HARDWARE SETS

GENERAL DOOR NOTES:

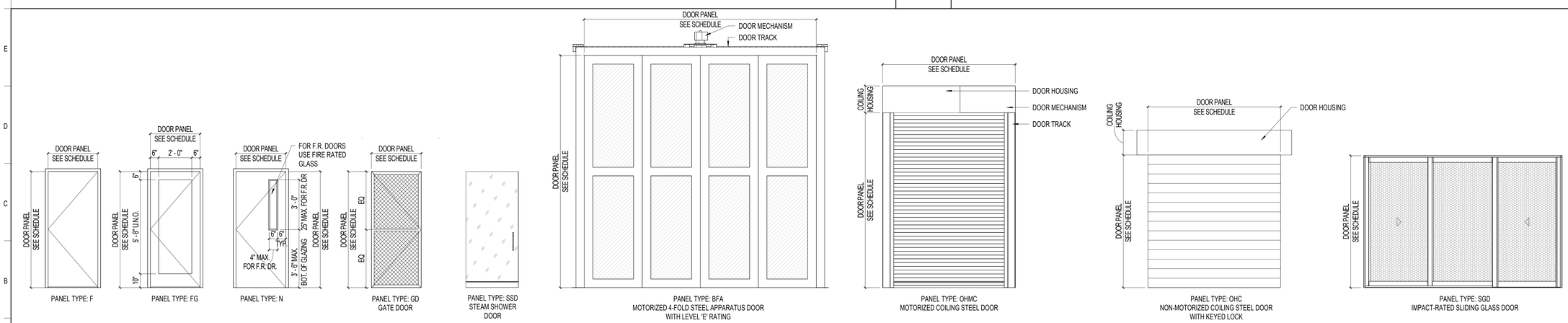
- GALVANIZED DOOR & FRAME - ALL EXTERIOR DOORS AND INTERIOR DOORS WHERE WATER MAY OCCUR.
- INSULATED DOOR - ALL EXTERIOR DOORS.
- TAMPER PROOF HINGES - ALL EXTERIOR DOORS.
- DOOR GASKET (SOUND SEALS) AROUND DOOR PERIMETER - ALL SPACES.
- KEYED REMOVABLE MULLION - ALL DOOR PAIRS WITH EGRESS HARDWARE.
- DOOR GASKET (SMOKE SEAL) AROUND DOOR PERIMETER - ALL DOORS IN RATED CORRIDORS THAT ARE NOT EDUCATIONAL SPACES.
- WEATHER SEALS AROUND DOOR PERIMETER - ALL EXTERIOR DOORS.
- THRESHOLD - ALL EXTERIOR DOORS.
- OVERHEAD DOOR OVERALL HEIGHT MUST INCLUDE OPENING HEIGHT PLUS DISTANCE TO HOUSING/OPERATOR LOCATION ABOVE CEILING.
- PROVIDE ALUMINUM DOOR DRIP EDGE FOR ALL EXTERIOR DOORS, TYPICAL U.N.O.
- UNDERCUT AND OVERCUT DOOR FOR TOILET ROOMS, TYPICAL U.N.O.
- REPAIR AND PREP ALL EXISTING DOORS DESIGNATED TO REMAIN FOR NEW FINISHES.

DOOR COMMENTS

1. 180 DEGREE SWING - COORDINATE LOCATION IN WALL TO ALLOW FOR FULL SWING. IF DOUBLE DOOR, BOTH PANELS ARE TO SWING 180 DEGREES WHERE APPLICABLE.
2. SOUND CONTROL ADJUSTABLE DOOR GASKET / AUTOMATIC DOOR BOTTOM / THRESHOLD.
3. PROVIDE WIDE ANGLE VIEWER.
4. ADA DOOR OPERATOR - ONE LEAF - SEE ELECTRICAL DRAWINGS AND DOOR HARDWARE SPECS.
5. PREP FRAME AND DOOR FOR ACCESS CONTROL.
6. HARDWARE BY MANUFACTURER.
7. METAL SOUND CONTROL DOOR ASSEMBLY / STC 45 MINIMUM.
8. EXISTING ACCESS CONTROL TO BE PROGRAMMED - COORDINATE WITH OWNER.
9. SECURITY HARDWARE.
10. DOOR INTERLOCKED SO ONLY ONE CAN BE OPENED AT A TIME.. TO BE ON A 30 SEC. DELAY W/PROXY CARD OVERRIDE.
11. ORNAMENTAL FENCE GATE, PROVIDE LATCH AND DEADBOLT.
12. ORNAMENTAL FENCE GATE, PROVIDE PANIC HARDWARE AND ACCESS CONTROL.
13. HOLD OPEN DOOR STOP.
14. LATCH CONFIRMATION.
15. KEY ACTIVATED MOTORIZED OVERHEAD DOOR WITH SECURITY CONTACTS.



DOOR FRAME TYPES LEGEND



NOTE: OVERHEAD DOOR OVERALL HEIGHT MUST INCLUDE OPENING HEIGHT PLUS DISTANCE TO HOUSING / OPERATOR LOCATION ABOVE THE CEILING

DOOR PANEL TYPES

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

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DOOR SCHEDULE, DOOR AND FRAME TYPES

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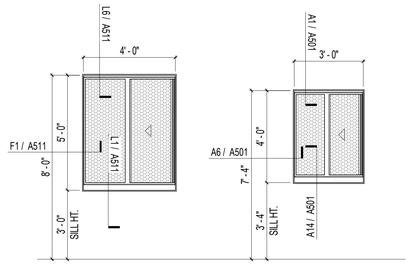
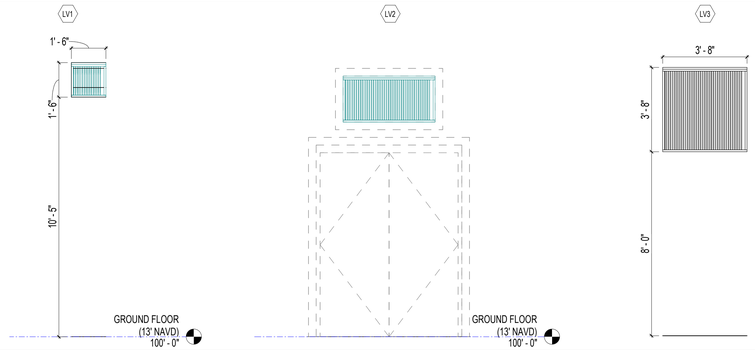


WINDOW TYPE: AL1
IMPACT-RATED ALUMINUM
HORIZONTAL ROLLER

WINDOW TYPE: AL2
IMPACT-RATED ALUMINUM
FIXED

WINDOW TYPES LEGEND

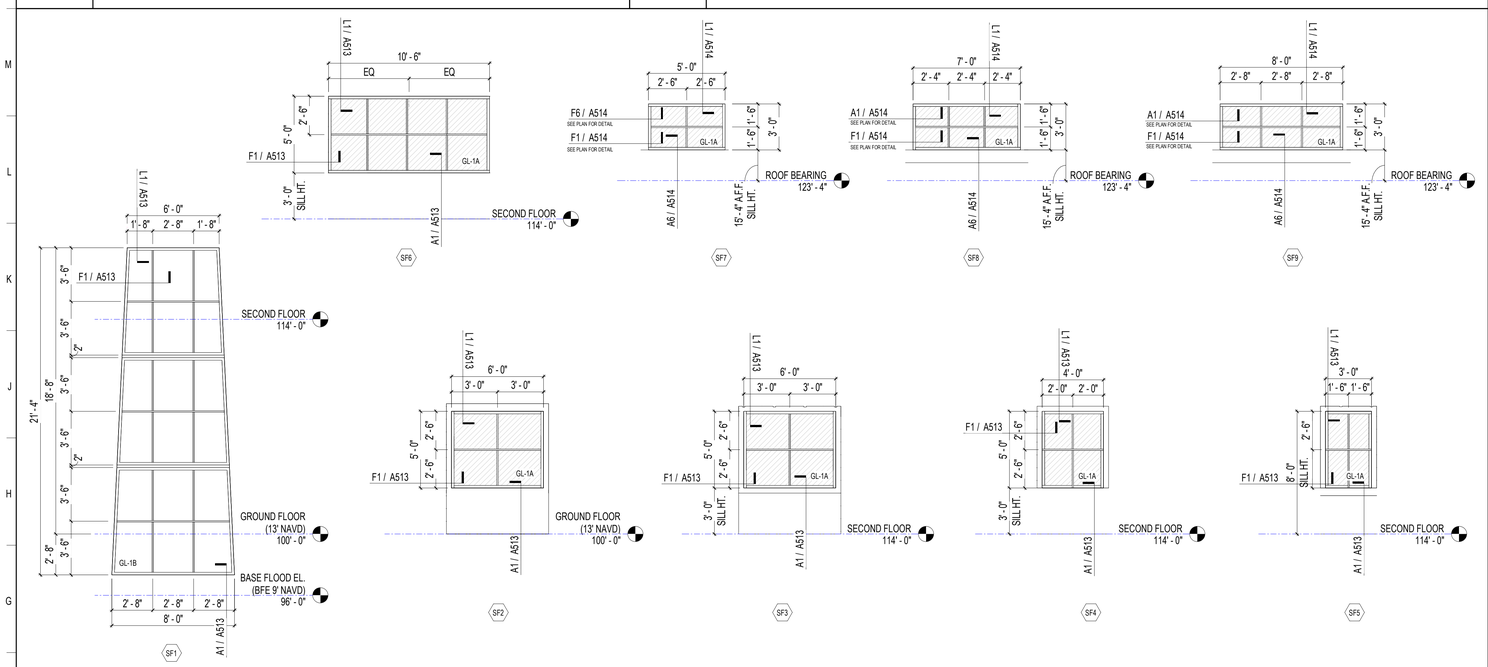


LOUVER TYPES

GLAZING LEGEND

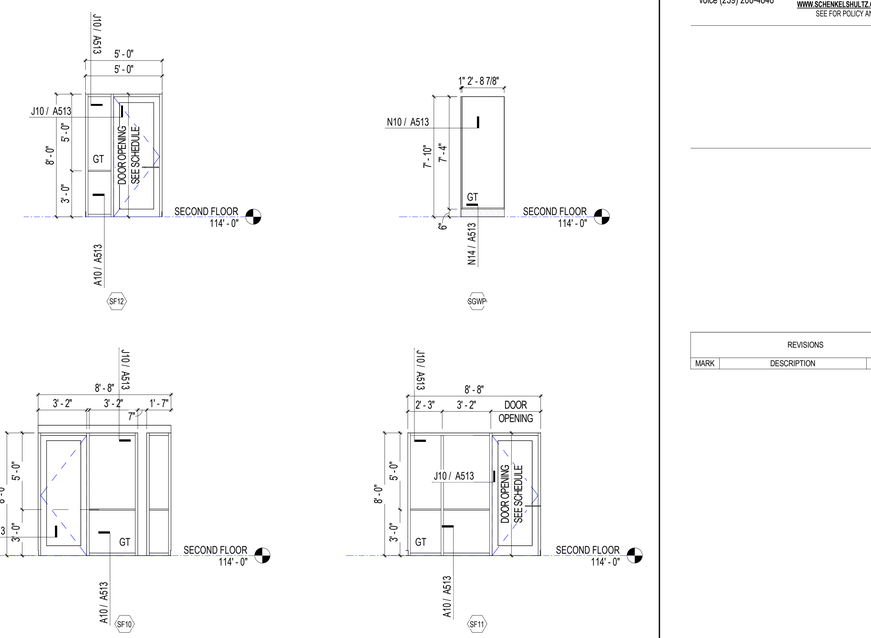
GL-1A	1-5/16" INSULATED LAMINATED TINTED GLAZING (LEVEL 'E')	GT	1/4" TEMPERED CLEAR GLAZING
GL-1B	1-5/16" INSULATED LAMINATED CLEAR GLAZING (LEVEL 'E')	FG-45	FIRE RATED GLAZING - 45 MIN.
GL-2	1" INSULATED LAMINATED TINTED GLAZING (LEVEL 'E')		
GL-3	13/16" INSULATED, LAMINATED TINTED GLAZING - LARGE MISSILE IMPACT RESISTANT		

NOTE: ALL GLAZING SHALL BE GT 1/4" TEMPERED CLEAR GLAZING UNLESS NOTED OTHERWISE



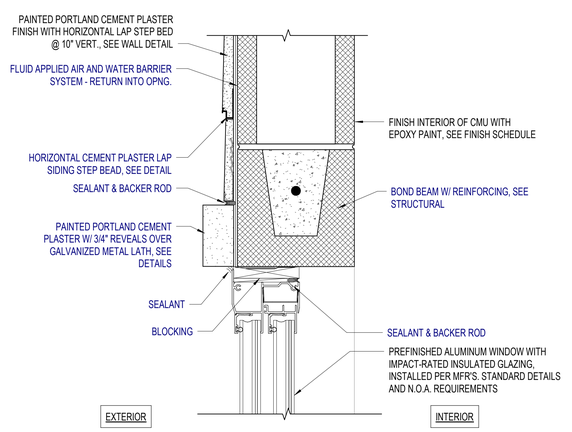
F1 EXTERIOR STOREFRONT ELEVATIONS

1/4" = 1'-0"



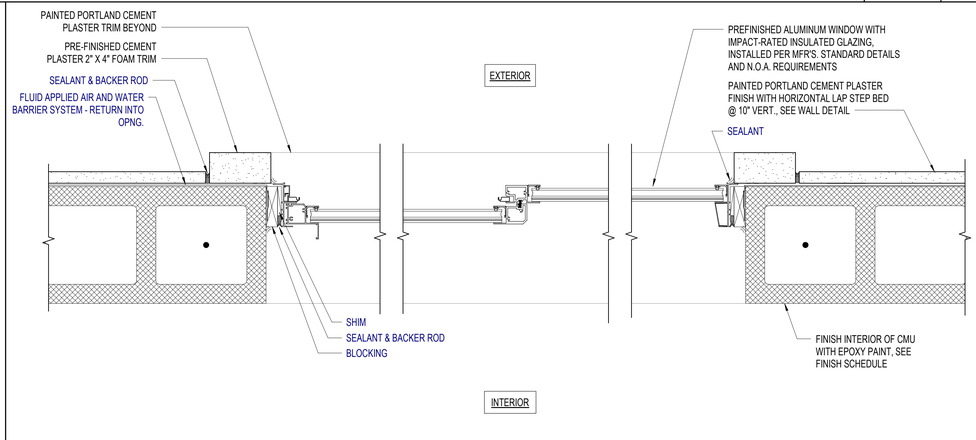
F13 INTERIOR STOREFRONT ELEVATIONS

1/4" = 1'-0"



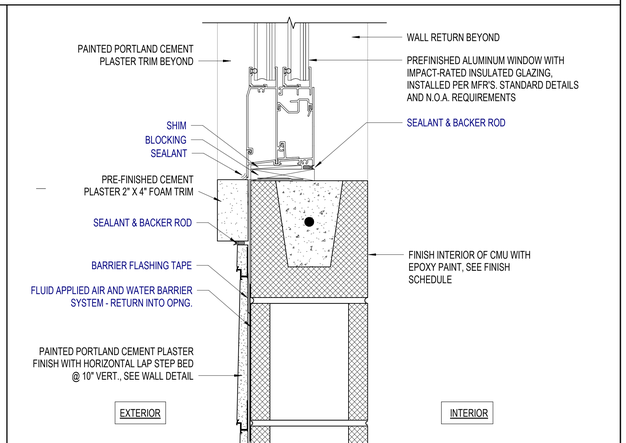
A1 HORIZONTAL SLIDING WINDOW HEAD @ CMU

3" = 1'-0"



A6 HORIZONTAL SLIDING WINDOW JAMB @ CMU

3" = 1'-0"



A14 HORIZONTAL SLIDING WINDOW SILL @ CMU

3" = 1'-0"

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
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SANIBEL, FLORIDA 33957

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STOREFRONT, WINDOWS AND LOUVER TYPES, AND DETAILS

A501
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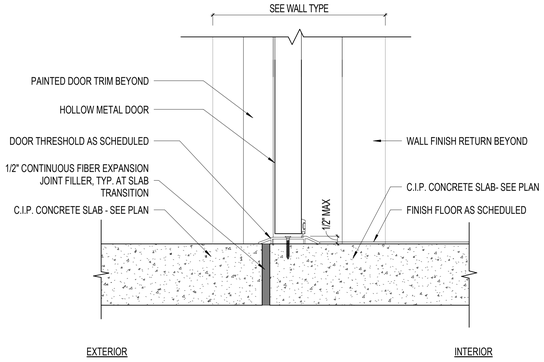
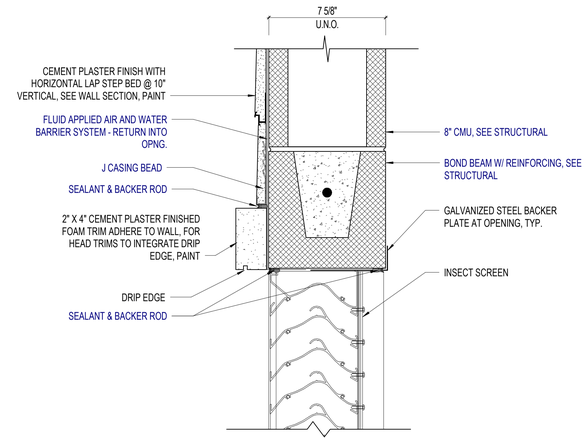


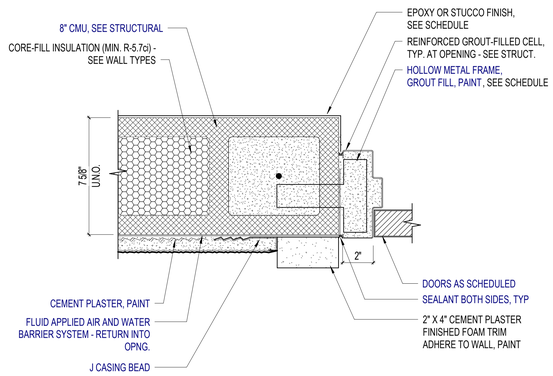
L1 — EXT. HM DOOR THRESHOLD @ CONCRETE

3" = 1'-0"



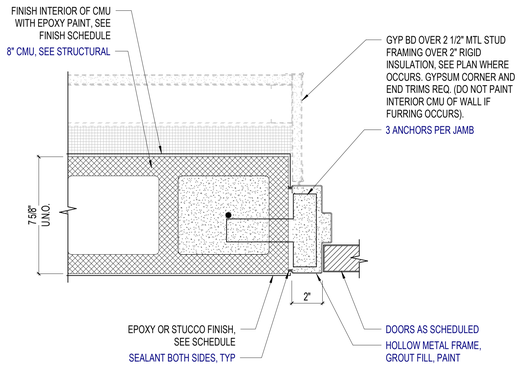
L14 — ALUMINUM LOUVER HEAD

3" = 1'-0"



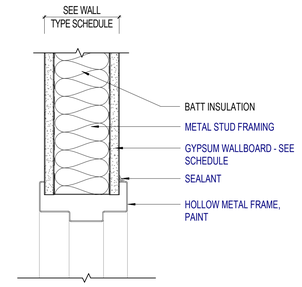
F1 — EXT. HOLLOW METAL DOOR JAMB - MASONRY

3" = 1'-0"



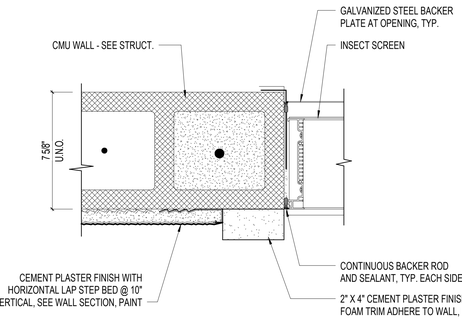
F6 — INT. HOLLOW METAL DOOR JAMB - MASONRY

3" = 1'-0"



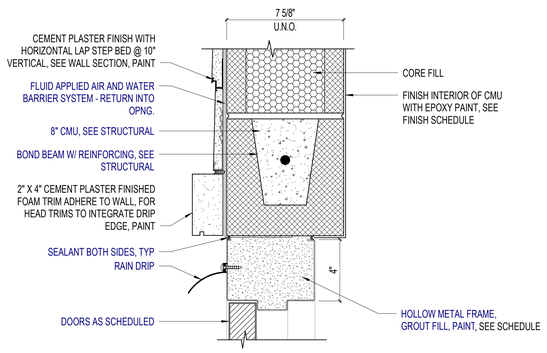
F11 — INT. HOLLOW METAL DOOR JAMB - METAL STUD FRAMING

NOT TO SCALE



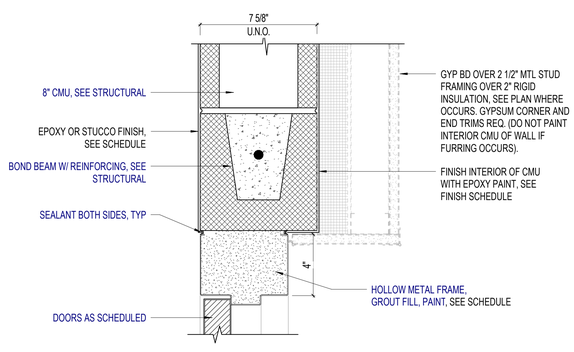
F14 — ALUMINUM LOUVER JAMB

3" = 1'-0"



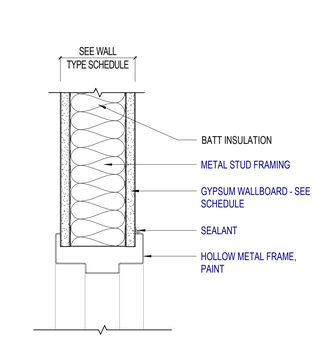
A1 — EXT. HOLLOW METAL DOOR HEAD - MASONRY

3" = 1'-0"



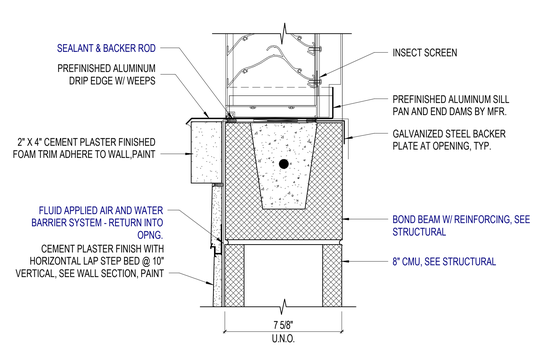
A6 — INT. HOLLOW METAL DOOR HEAD - MASONRY

3" = 1'-0"



A11 — INT. HOLLOW METAL DOOR HEAD - METAL STUD FRAMING

3" = 1'-0"



A14 — ALUMINUM LOUVER SILL

3" = 1'-0"

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SANIBEL FIRE & RESCUE DISTRICT
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DETAILS - DOOR / WINDOW / LOUVER

A510

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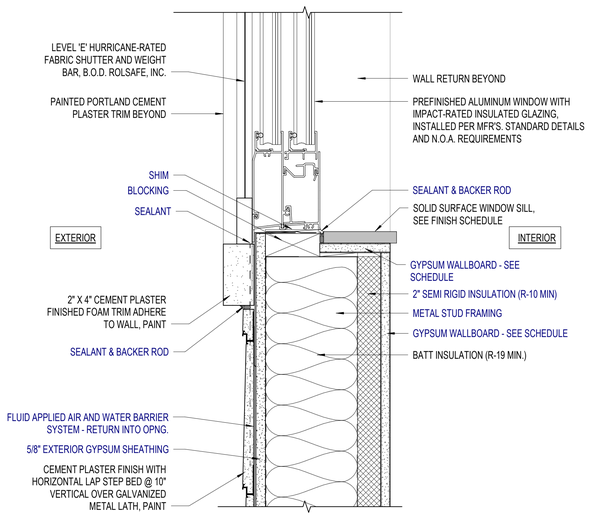
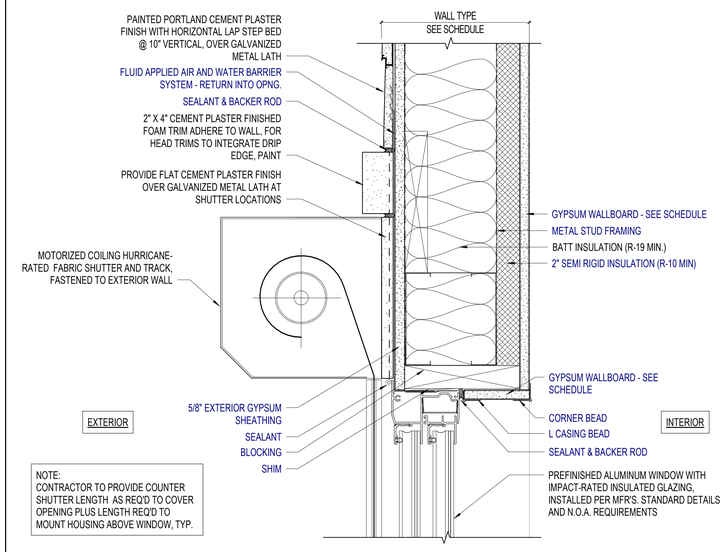


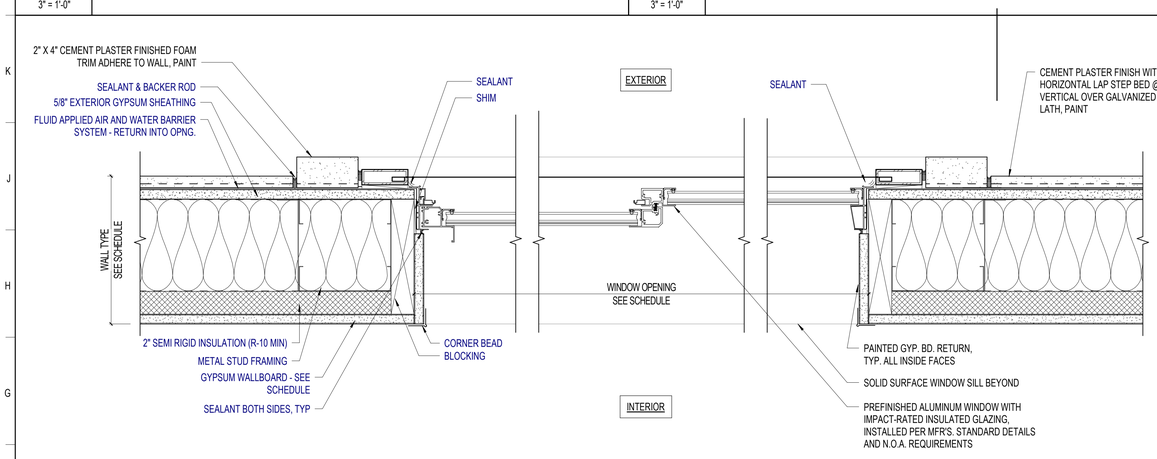
L1 HORIZONTAL SLIDING WINDOW SILL

3" = 1'-0"



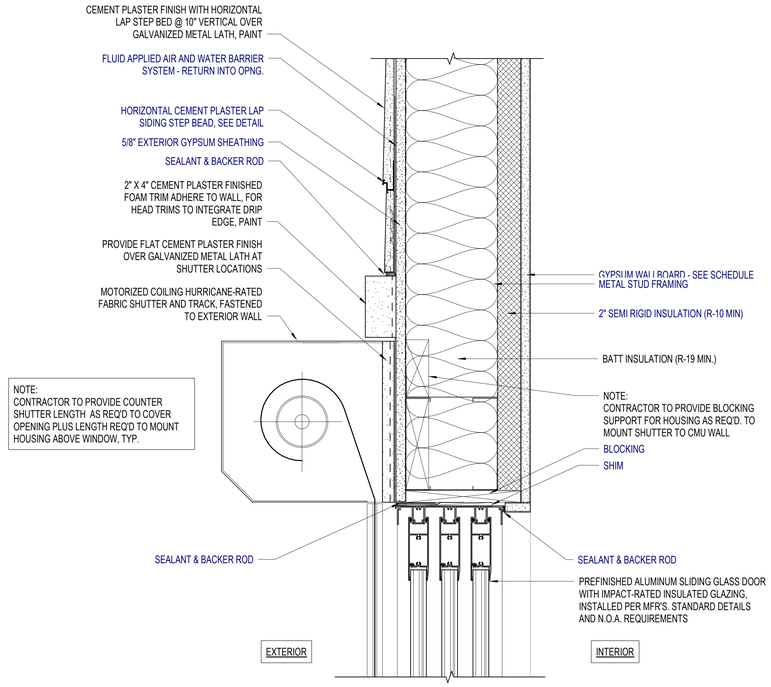
L6 HORIZONTAL SLIDING WINDOW HEAD

3" = 1'-0"



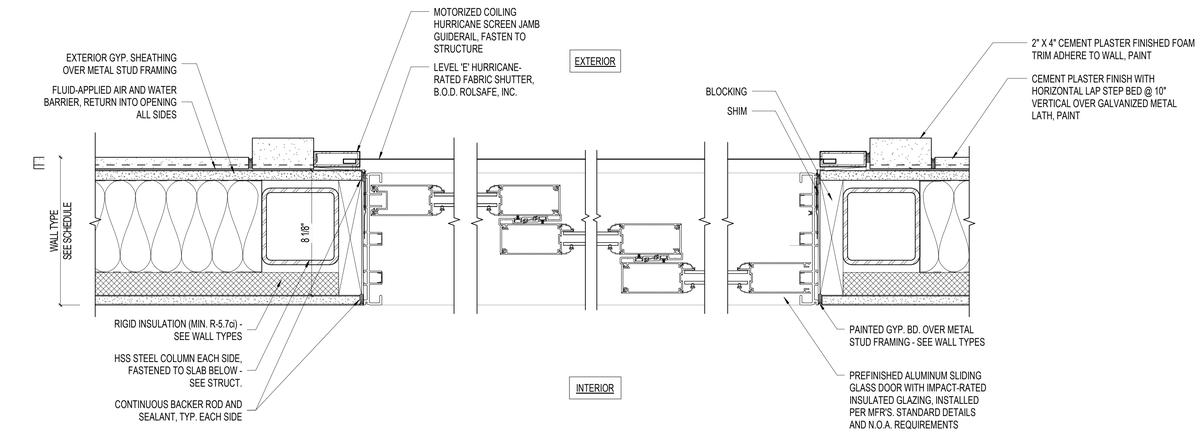
F1 HORIZONTAL SLIDING WINDOW JAMB

3" = 1'-0"



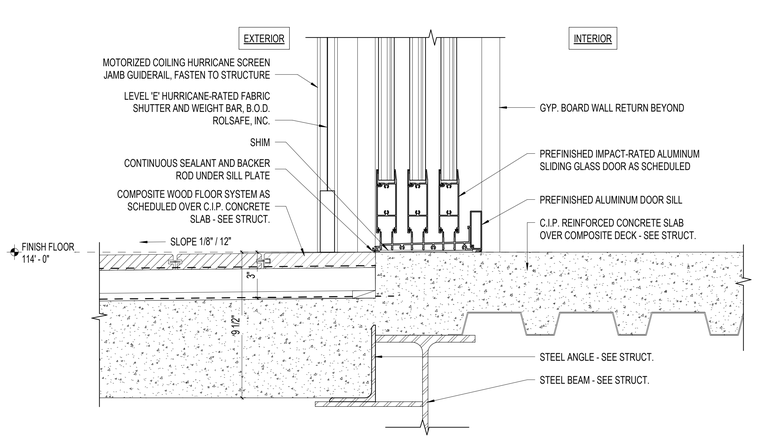
F11 HORIZONTAL SGD DOOR HEAD

3" = 1'-0"



A1 HORIZONTAL SGD JAMB

3" = 1'-0"



A11 HORIZONTAL SGD DOOR SILL

3" = 1'-0"

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DETAILS - DOOR / WINDOW

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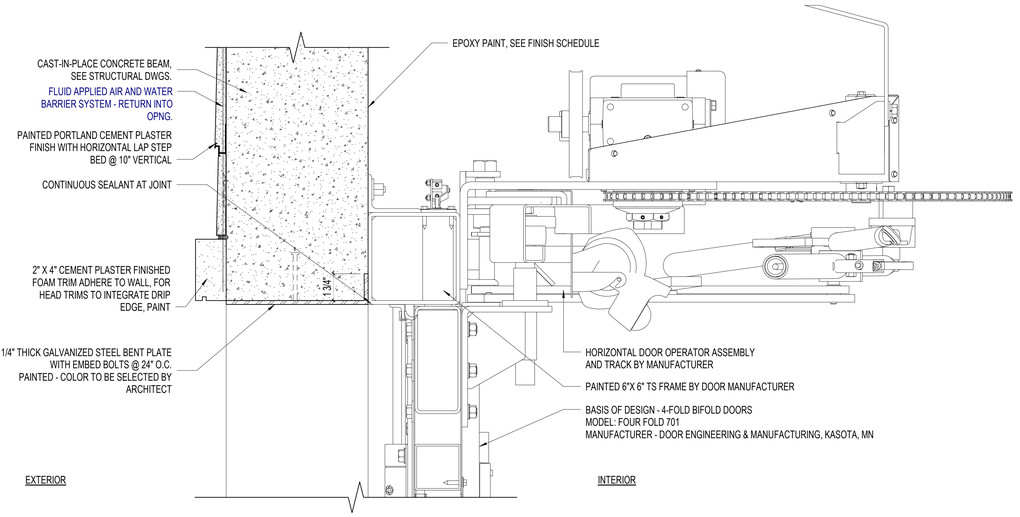
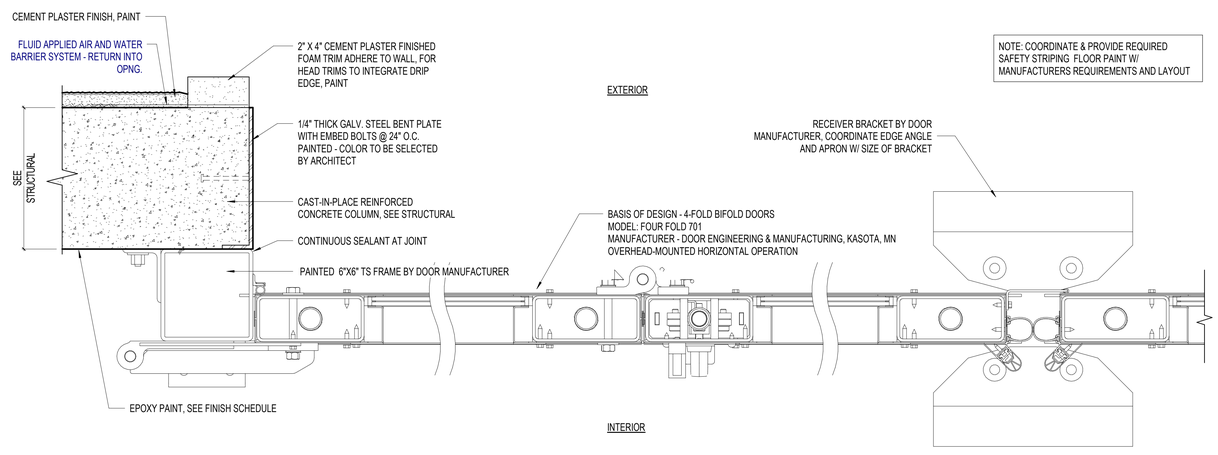


L1 — BI-FOLD BAY DOOR HEAD

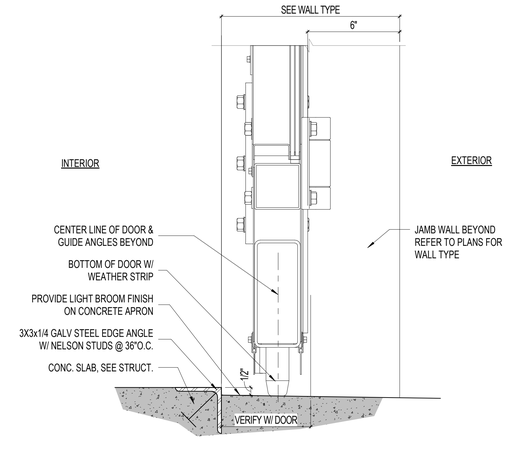
3" = 1'-0"



NOTE: COORDINATE & PROVIDE REQUIRED SAFETY STRIPING FLOOR PAINT W/ MANUFACTURERS REQUIREMENTS AND LAYOUT

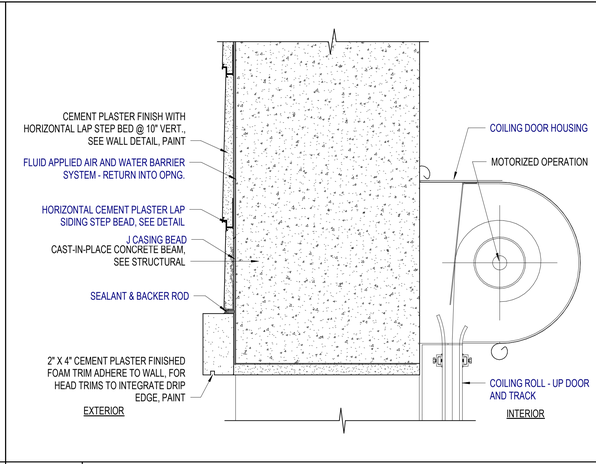
F1 — BI-FOLD BAY DOOR JAMB

3" = 1'-0"



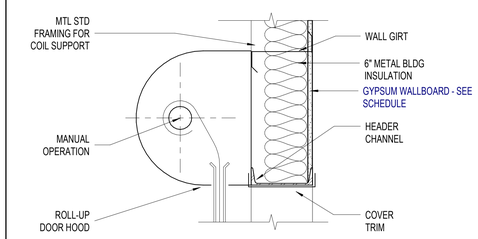
A1 — BI-FOLD BAY DOOR SILL

3" = 1'-0"



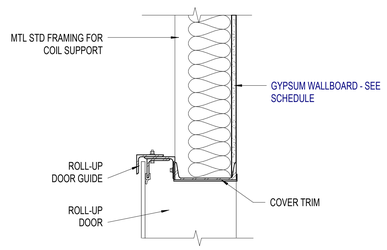
A6 — COILING OVERHEAD (O.H.) DOOR HEAD DETAIL

3" = 1'-0"



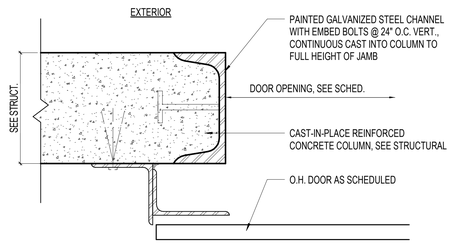
N11 — INT OH COIL DOOR HEAD

1 1/2" = 1'-0"



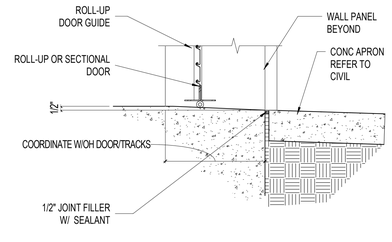
J11 — INT OH COIL DOOR JAMB

1 1/2" = 1'-0"



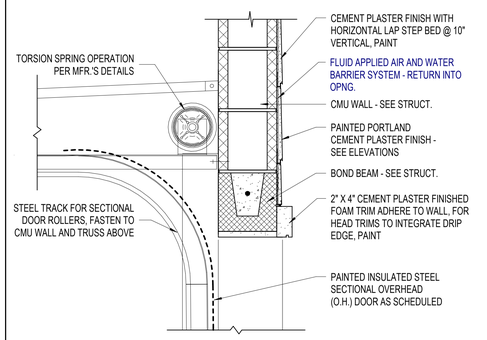
E11 — COILING O.H. DOOR JAMB DETAIL

3" = 1'-0"



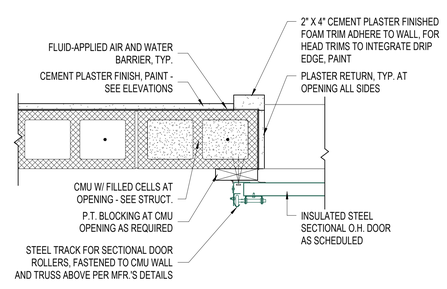
A11 — COILING O.H. DOOR SILL @ CMU

1 1/2" = 1'-0"



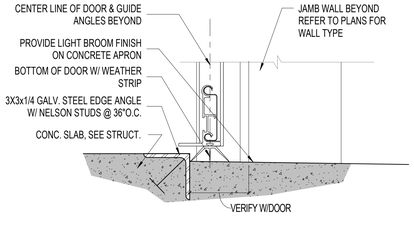
J15 — SECTIONAL O.H. DOOR HEAD @ CMU

1 1/2" = 1'-0"



E15 — SECTIONAL O.H. DOOR JAMB @ CMU

1 1/2" = 1'-0"



A15 — SECTIONAL O.H. DOOR SILL DETAIL

3" = 1'-0"

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DETAILS - DOOR / WINDOW

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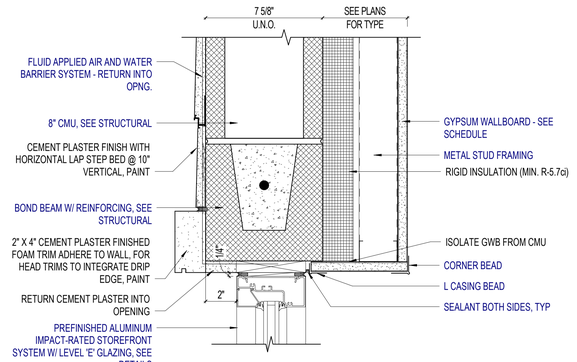
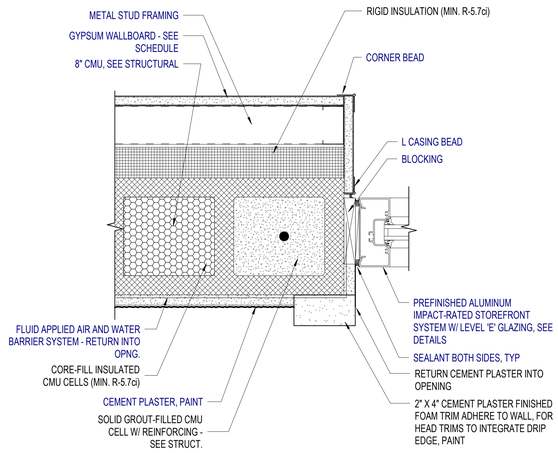


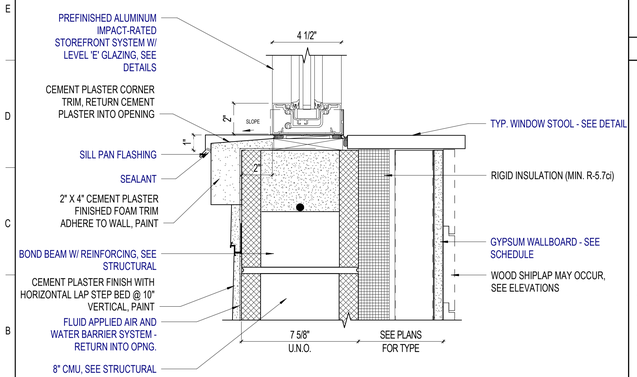
L1 STOREFRONT HEAD (EWS-CPM)

3" = 1'-0"



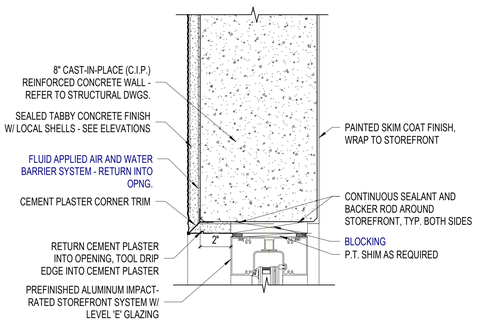
F1 STOREFRONT JAMB (EWS-CPM)

3" = 1'-0"



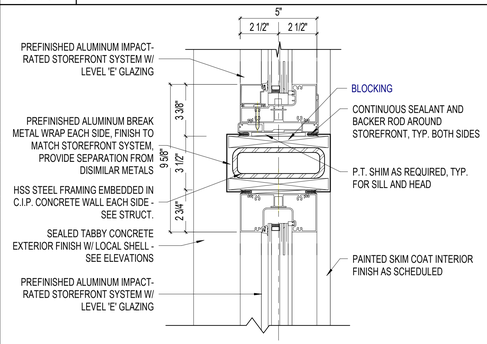
A1 STOREFRONT SILL (EWS-CPM)

3" = 1'-0"



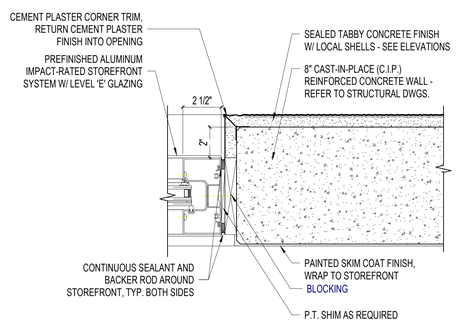
L6 STOREFRONT HEAD AT C.I.P. CONCRETE

3" = 1'-0"



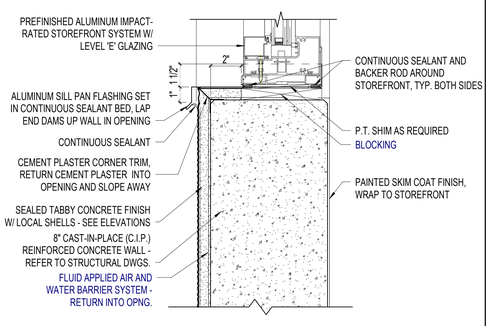
J6 STOREFRONT BREAK AT STRUCTURAL STEEL

3" = 1'-0"



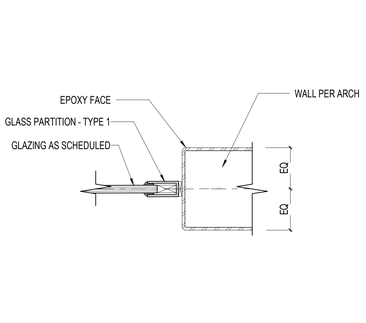
E6 STOREFRONT JAMB AT C.I.P. CONCRETE

3" = 1'-0"



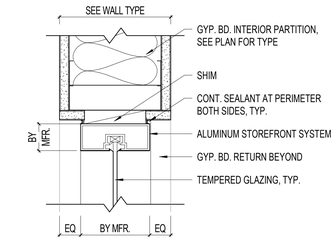
A6 STOREFRONT SILL AT C.I.P. CONCRETE

3" = 1'-0"



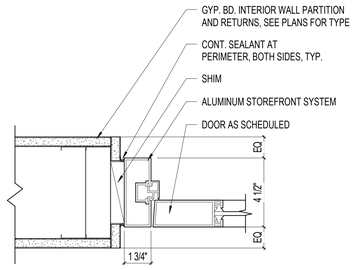
N10 GLASS PARTITION JAMB

3" = 1'-0"



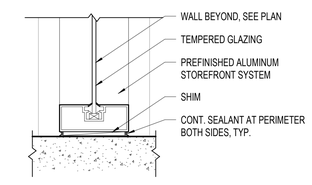
J10 INT. STOREFRONT HEAD @ GWB

3" = 1'-0"



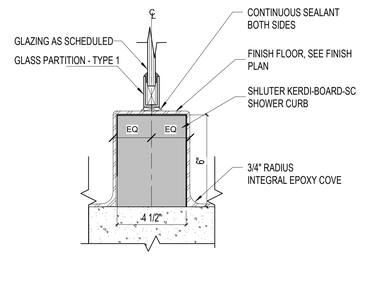
E10 INT. STOREFRONT DOOR JAMB @ GWB

3" = 1'-0"



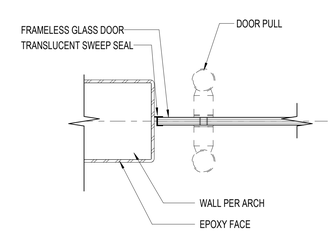
A10 INT. STOREFRONT SILL @ CONCRETE

3" = 1'-0"



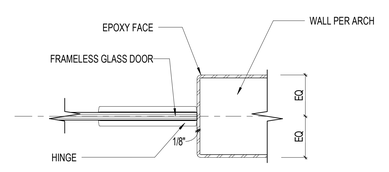
N14 GLASS PARTITION @ SHOWER CURB

3" = 1'-0"



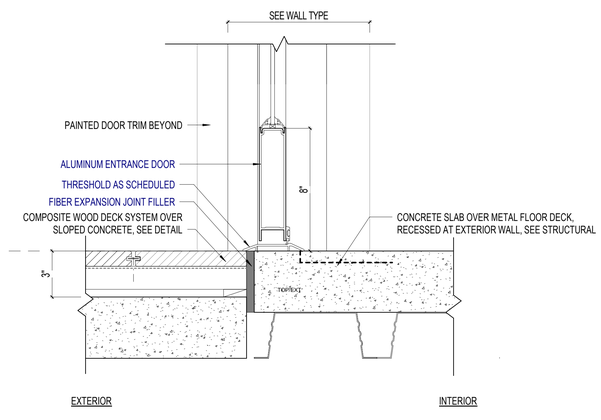
J14 GLASS PARTITION 1 DOOR - JAMB @ PULL

3" = 1'-0"



F14 GLASS PARTITION 1 DOOR - JAMB @ HINGE

3" = 1'-0"



A14 EXT. STOREFRONT THRESHOLD @ CONCRETE

3" = 1'-0"

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
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SANIBEL, FLORIDA 33957

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DETAILS - STOREFRONT

A513
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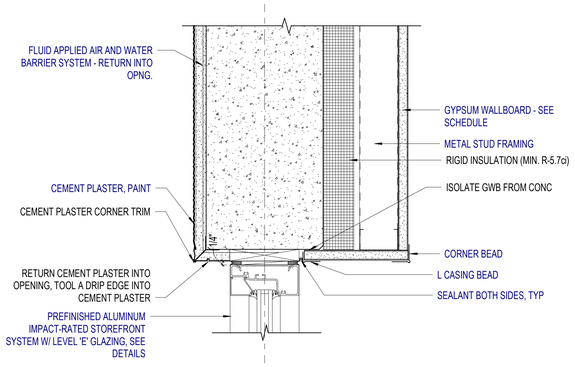
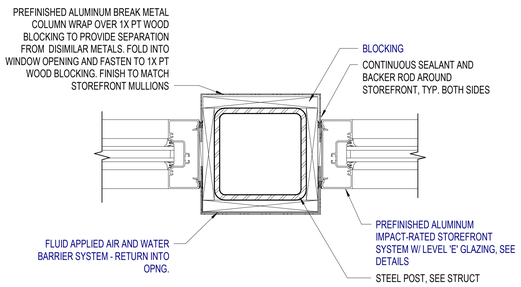


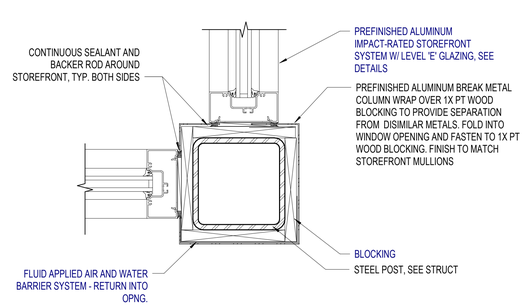
L1 STOREFRONT HEAD @ CIP BEAM

3" = 1'-0"



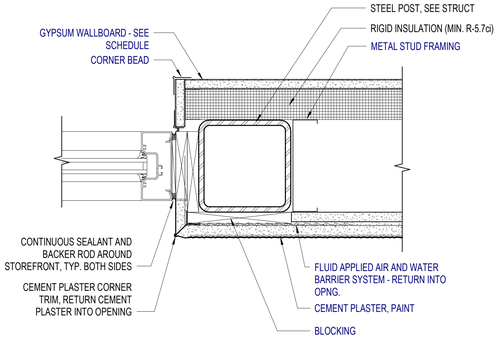
F1 STOREFRONT JAMB @ STEEL POST

3" = 1'-0"



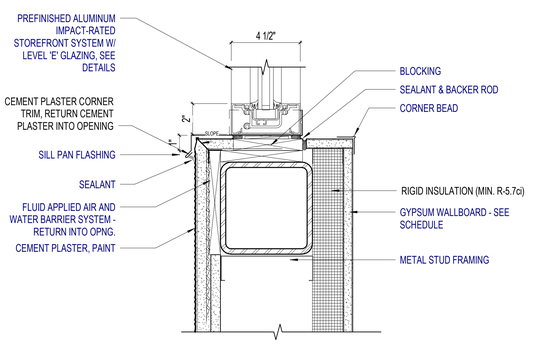
F6 STOREFRONT JAMB @ STEEL POST CORNER

3" = 1'-0"



A1 STOREFRONT JAMB @ STEEL POST/WALL

3" = 1'-0"



A6 STOREFRONT SILL @ STEEL FRAME

3" = 1'-0"

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DETAILS - STOREFRONT

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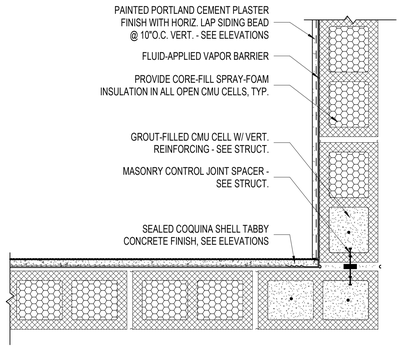
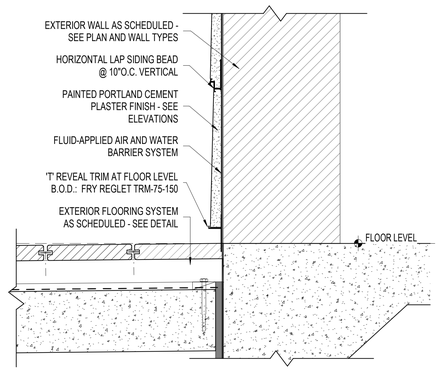


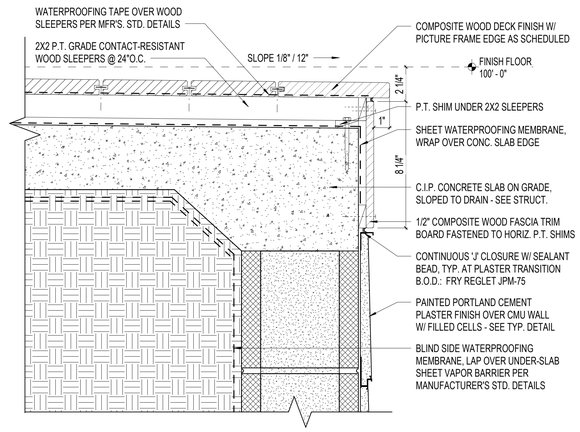
M1 FINISH TRANSITION AT TABBY CONCRETE

1 1/2" = 1'-0"



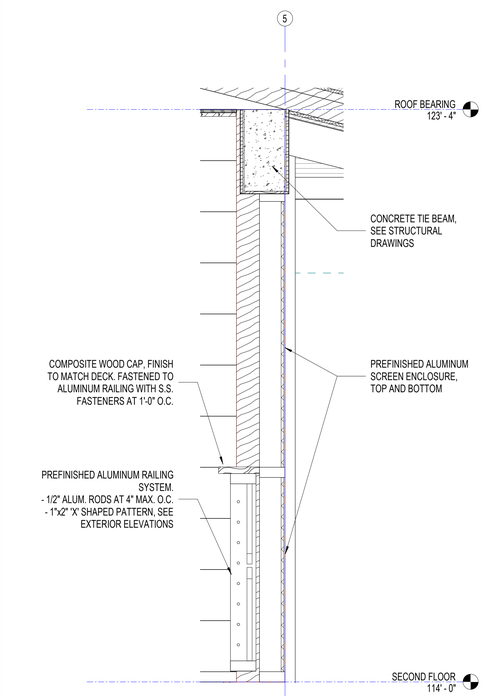
M6 TRIM REVEAL AT FLOOR LEVEL

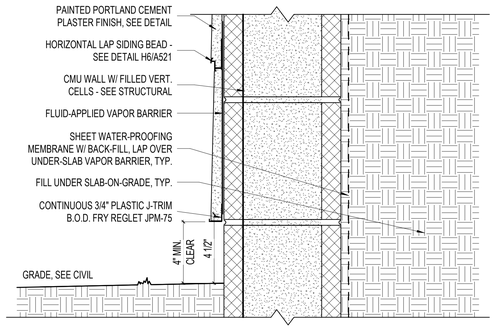
3" = 1'-0"



M10 SLAB EDGE W/ COMPOSITE DECKING

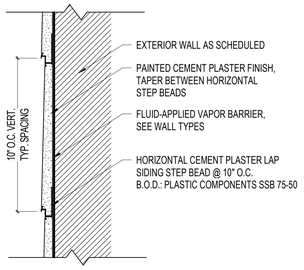
3" = 1'-0"





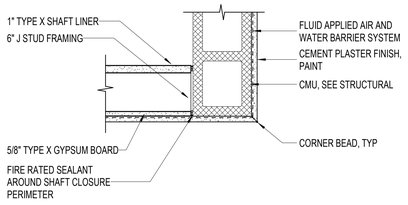
H1 EXTERIOR FINISH TRIM AT GRADE

3" = 1'-0"



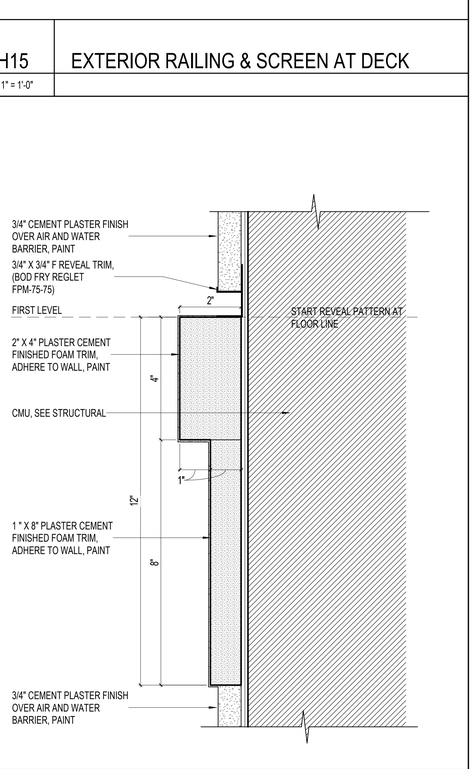
H6 TYP. DETAIL AT EXTERIOR FINISH

3" = 1'-0"



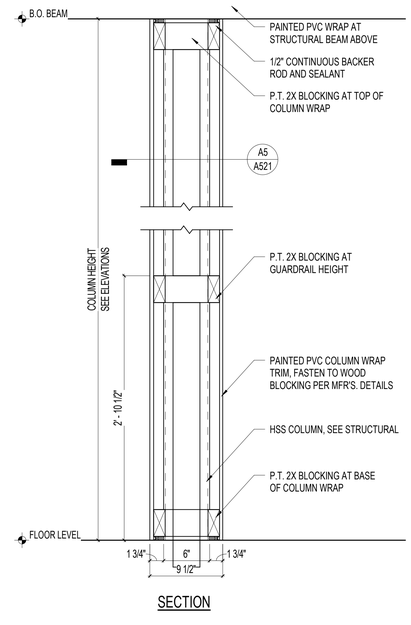
H10 CMU CORNER AT STUD WALL

1 1/2" = 1'-0"



H15 EXTERIOR RAILING & SCREEN AT DECK

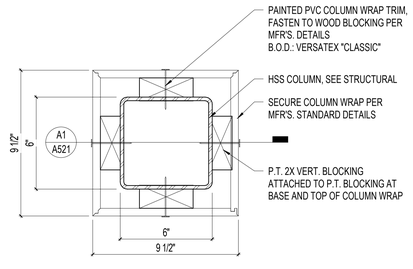
1" = 1'-0"



SECTION

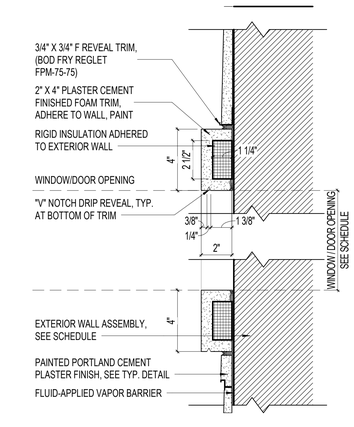
A1 TYP. EXT. COLUMN WRAP

1 1/2" = 1'-0"



A5 TYP. EXT. COLUMN WRAP - PLAN

3" = 1'-0"



A10 TYP. FOAM WINDOW TRIM

3" = 1'-0"

A15 TYP. FOAM TRIM @ FLOOR LEVEL

6" = 1'-0"

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SANIBEL FIRE AND RESCUE STATION 172

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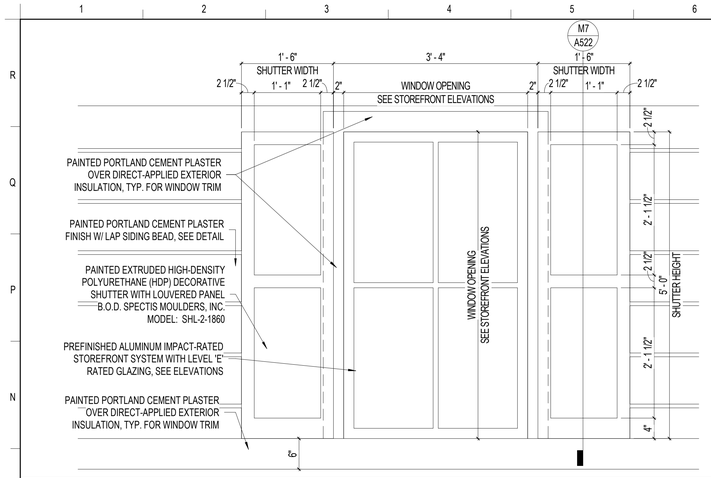
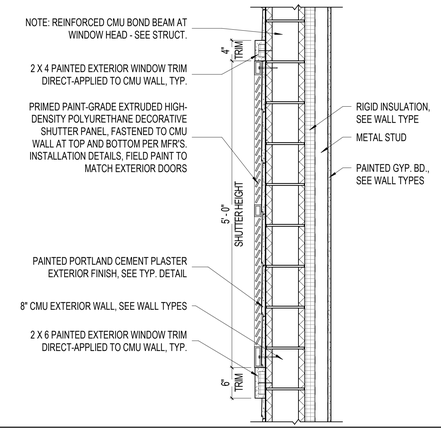


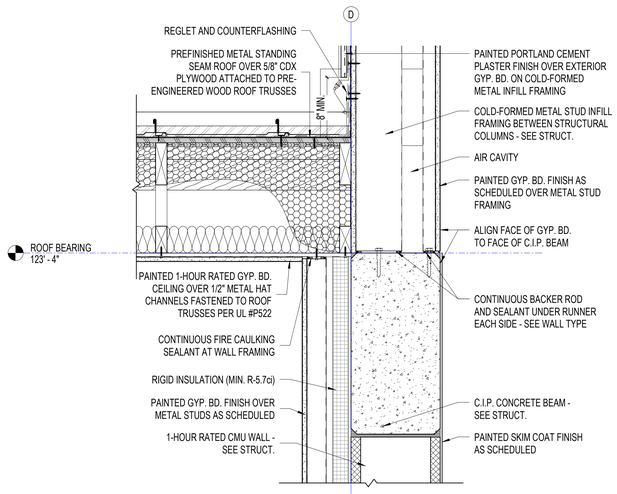
M1 ENLARGED ELEVATION AT DECORATIVE SHUTTER

1" = 1'-0"



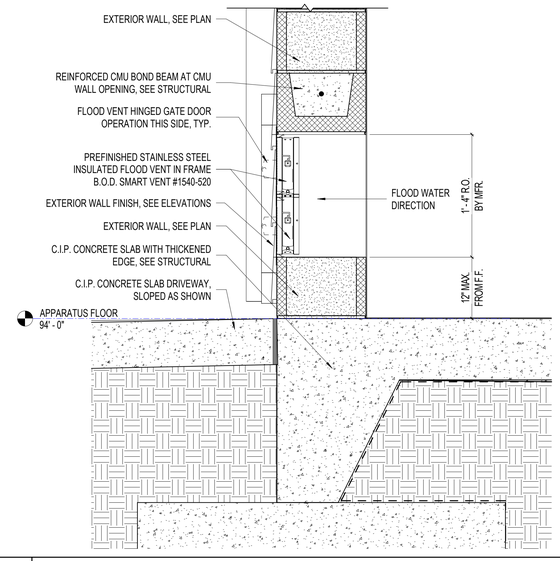
M7 TYP. SECTION AT DECORATIVE SHUTTER

1" = 1'-0"



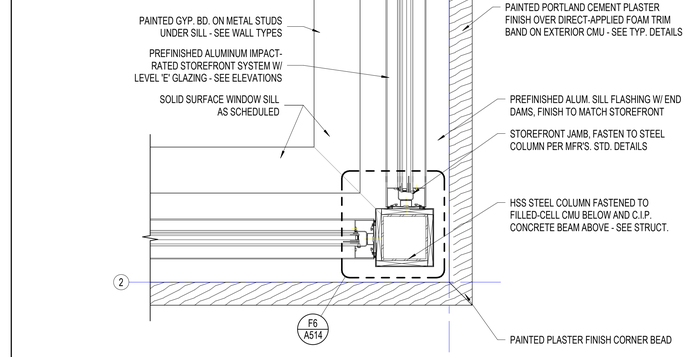
F1 WALL SECTION AT TOWER

1 1/2" = 1'-0"



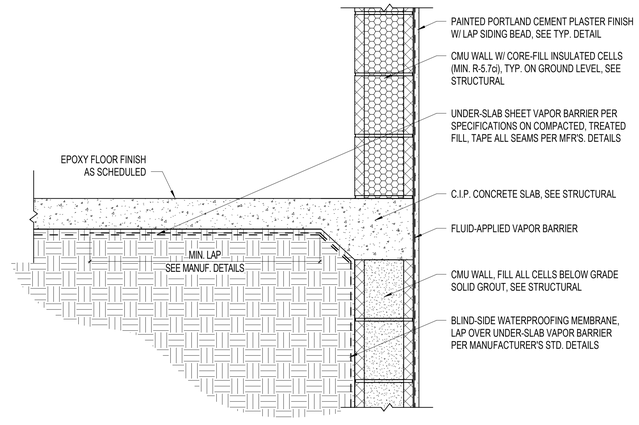
F7 FLOOD VENT DETAIL

1 1/2" = 1'-0"



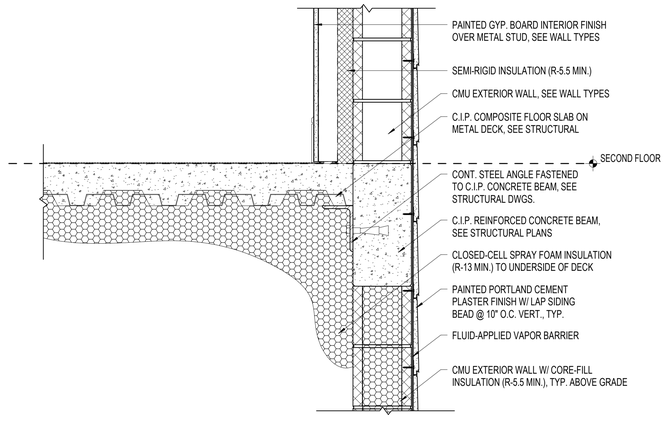
F13 COLUMN DETAIL AT EXTERIOR STOREFRONT

1 1/2" = 1'-0"



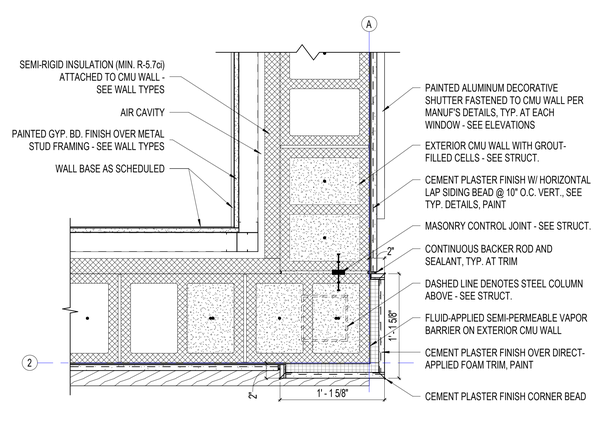
A1 TYP. WATERPROOFING UNDER SLAB

1 1/2" = 1'-0"



A7 DETAIL SECTION AT COMPOSITE SLAB

1 1/2" = 1'-0"



A13 COLUMN DETAIL AT EXTERIOR WALL

1 1/2" = 1'-0"

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A1 — SAFETY TRAINING ANCHOR AT ACCESS PANEL

3" = 1'-0"

A9 — TRAINING SAFETY ANCHOR DETAILS

1 1/2" = 1'-0"

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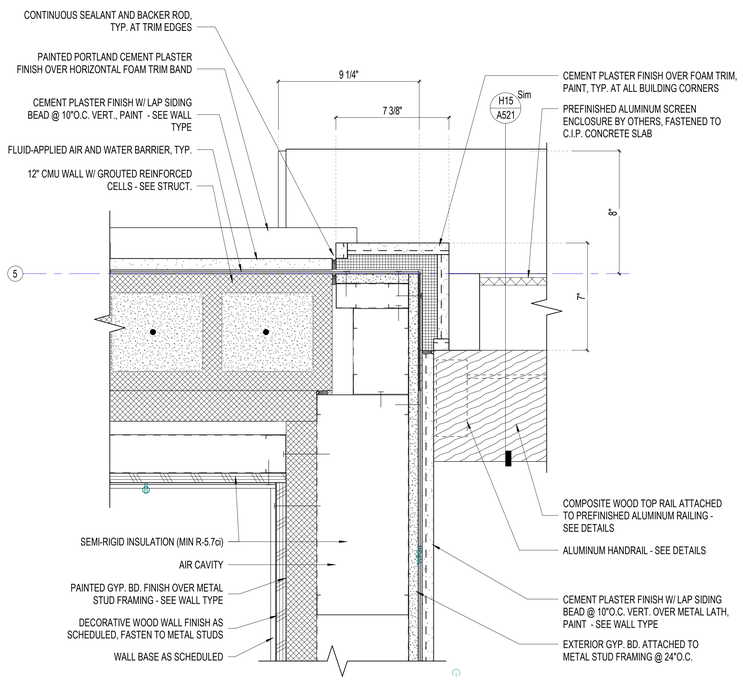
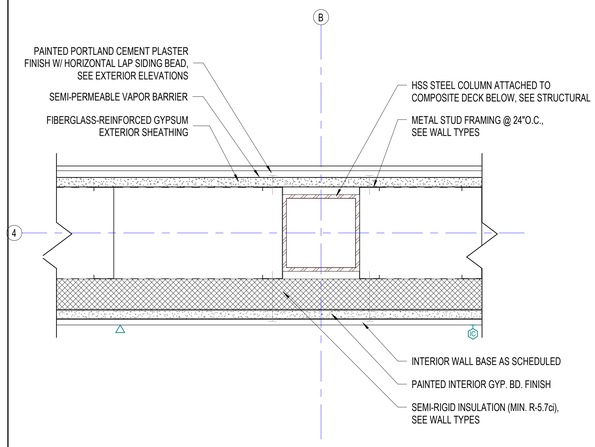
H1 PLAN DETAIL - EXTERIOR WALL CORNER AT SLAB EDGE

3" = 1'-0"



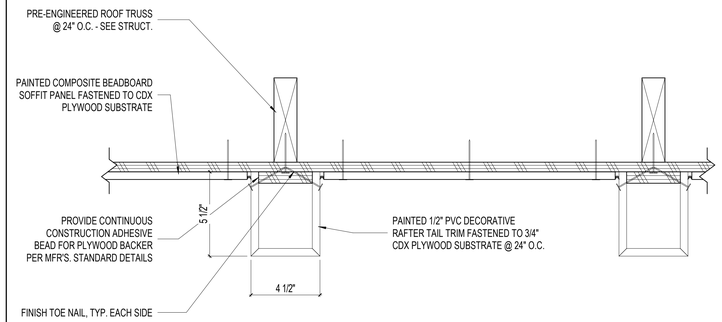
H8 COLUMN DETAIL AT EXTERIOR FRAMED WALL

3" = 1'-0"



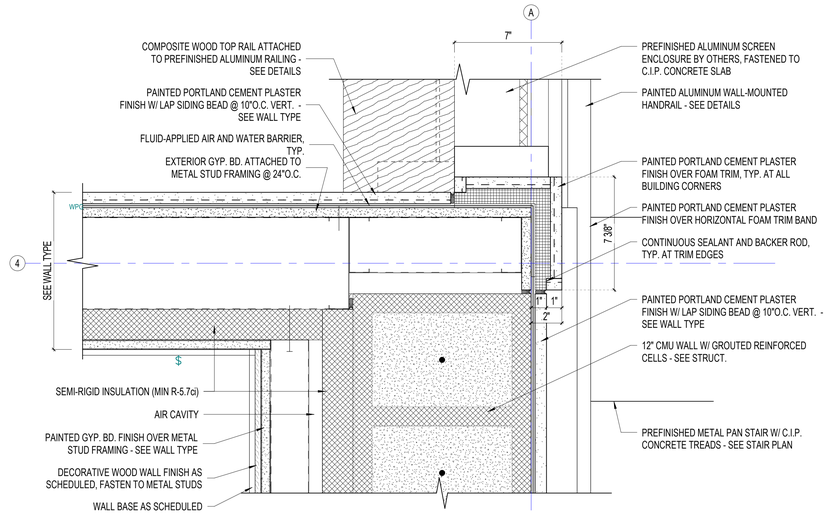
H13 DECORATIVE RAFTER TAIL SECTION

3" = 1'-0"



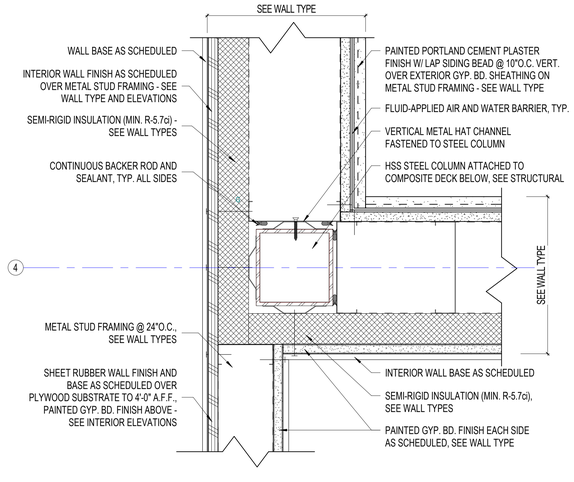
A1 PLAN DETAIL - EXTERIOR WALL OUTSIDE CORNER

3" = 1'-0"



A8 COLUMN DETAIL AT EXTERIOR WALL INSIDE CORNER

3" = 1'-0"



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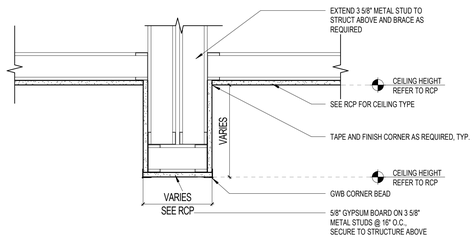
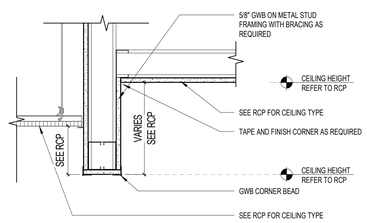


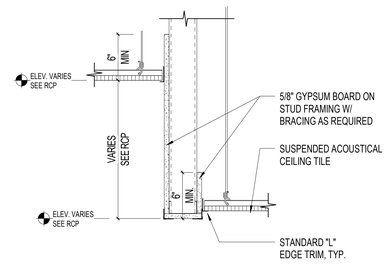
N1 — CEILING DETAIL - SOFFIT @ GWB CEILING

1 1/2" = 1'-0"



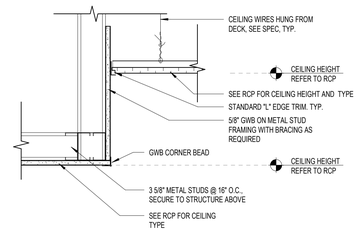
N6 — CEILING DETAIL - SOFFIT @ GWB CEILING

1 1/2" = 1'-0"



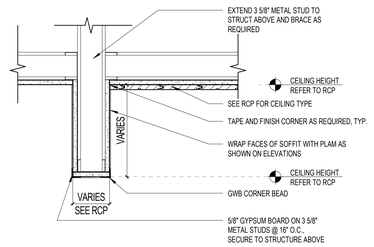
N10 — CEILING DETAIL - SOFFIT @ GWB CEILING

1 1/2" = 1'-0"



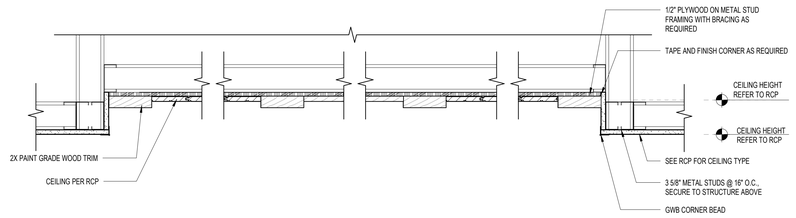
N14 — CEILING DETAIL - SOFFIT @ GWB CEILING

1 1/2" = 1'-0"



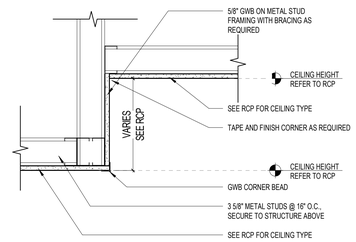
J1 — CEILING DETAIL - SOFFIT @ WD PLANK CEILING

1 1/2" = 1'-0"



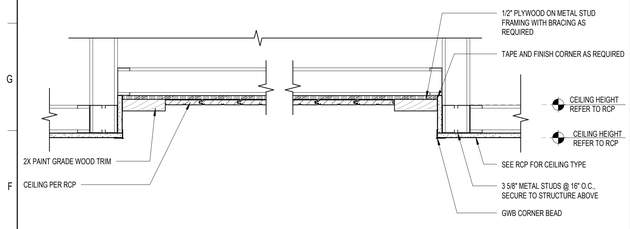
J6 — CEILING DETAIL - WOOD PLANK

1 1/2" = 1'-0"



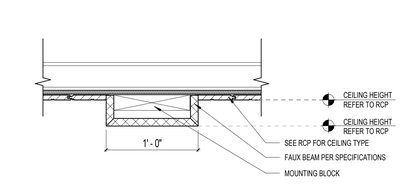
J14 — CEILING DETAIL - SOFFIT @ GWB CEILING

1 1/2" = 1'-0"



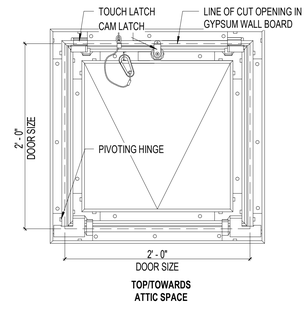
E1 — CEILING DETAIL - WOOD PLANK

1 1/2" = 1'-0"

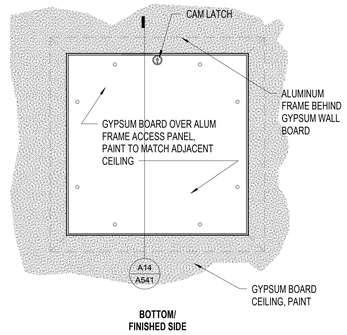


E6 — CEILING DETAIL -FAUX BEAM

1 1/2" = 1'-0"



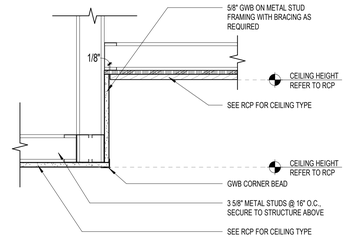
TOP/TOWARDS ATTIC SPACE



BOTTOM/ FINISHED SIDE

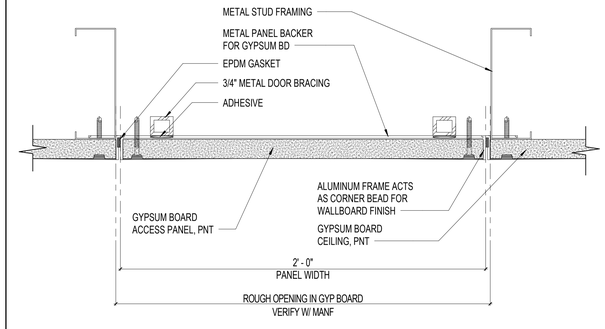
A10 — CEILING DETAIL - GYPSUM BOARD ACCESS PANEL - PLAN

3" = 1'-0"



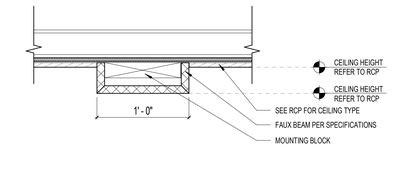
E14 — CEILING DETAIL - SOFFIT @ WD PLANK CEILING

1 1/2" = 1'-0"



A1 — CEILING DETAIL - CORRUGATED @GYP

1 1/2" = 1'-0"



A6 — CEILING DETAIL - FAUX BEAM

1 1/2" = 1'-0"

A10 — CEILING DETAIL - GYPSUM BOARD ACCESS PANEL - PLAN

3" = 1'-0"

A14 — CEILING DETAIL - GYPSUM BOARD ACCESS PANEL SECTION

6" = 1'-0"

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

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SANIBEL, FLORIDA 33957

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DETAILS - CEILING

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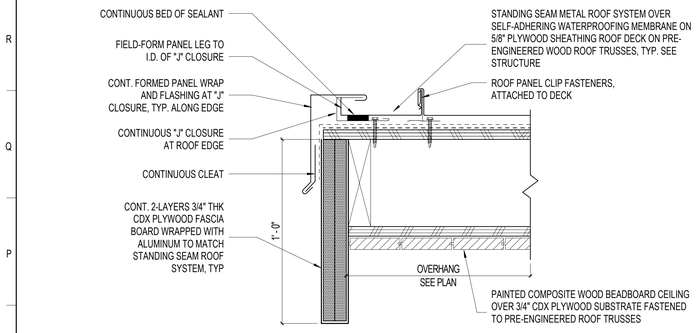
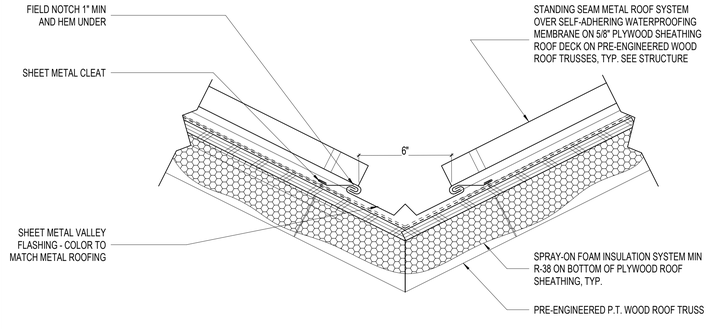


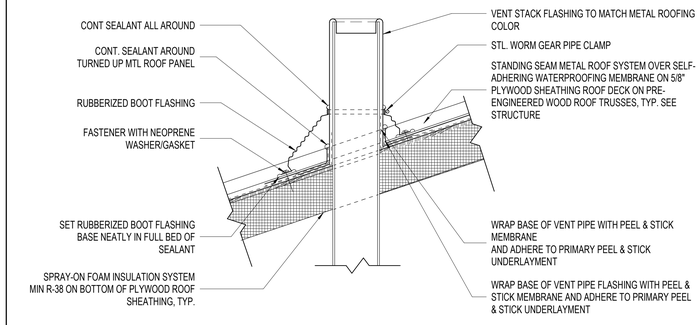
N1 RS-SS.02 DETAIL AT GABLE END

3" = 1'-0"



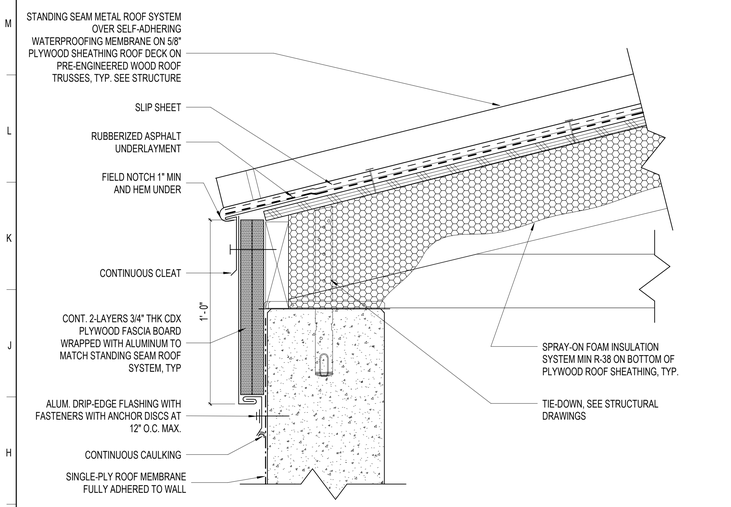
N7 DETAIL SECTION AT VALLEY (RS-SS)

3" = 1'-0"



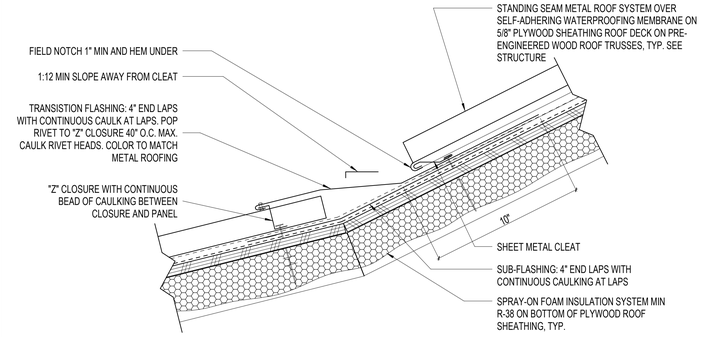
N13 PLUMBING VENT FLASHING (RS-SS)

1 1/2" = 1'-0"



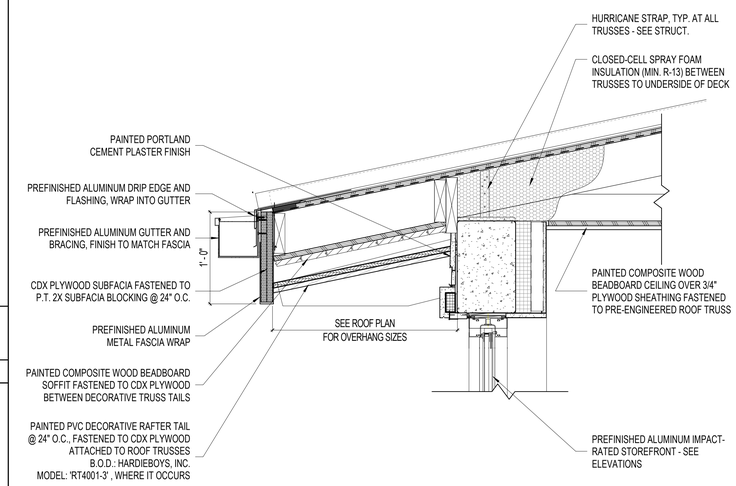
G1 DOWNSLOPE PERIMETER EDGE METAL FLASHING (RS-SS)

3" = 1'-0"



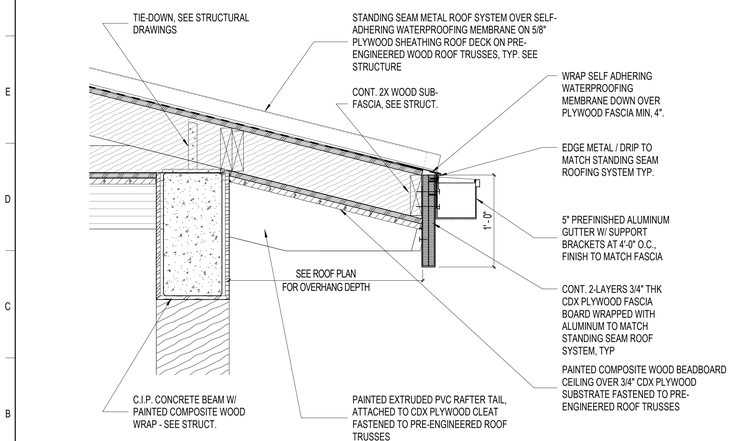
J7 ROOF DETAIL AT PITCH BREAK

3" = 1'-0"



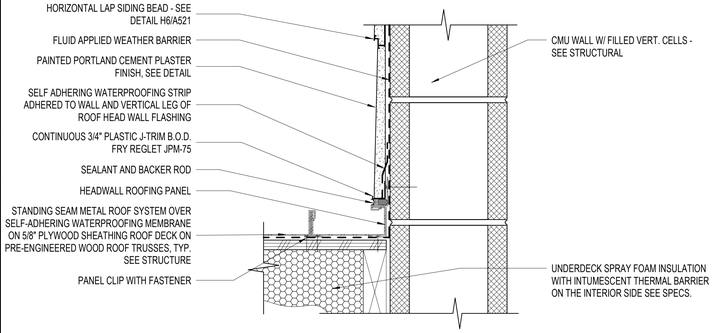
G13 DECORATIVE RAFTER TAIL AT TOWER

1 1/2" = 1'-0"



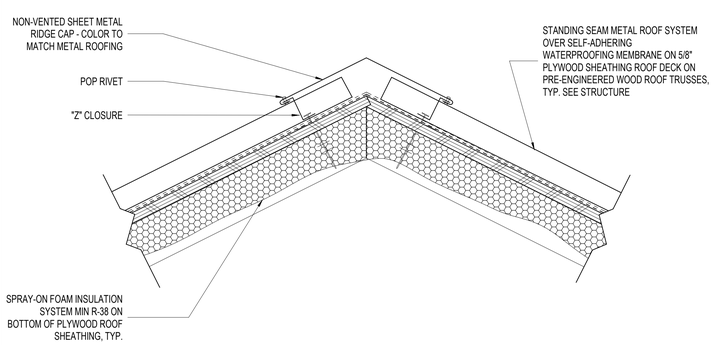
A1 ROOF EAVE WITH GUTTER

1 1/2" = 1'-0"



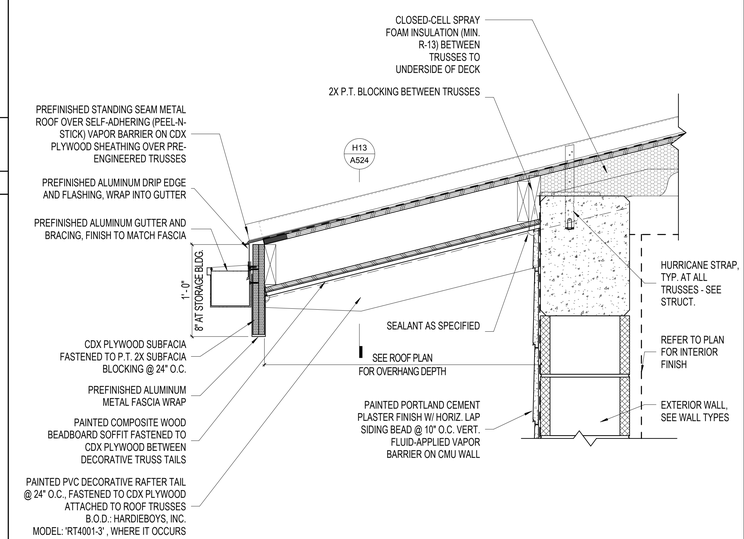
E7 INSULATED RIDGE AT ROOF WALL (RS-SS)

3" = 1'-0"



A7 DETAIL SECTION AT NON-VENTED HIP / RIDGE CAP

3" = 1'-0"



A13 DECORATIVE RAFTER TAIL DETAIL

1 1/2" = 1'-0"

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DETAILS - ROOF

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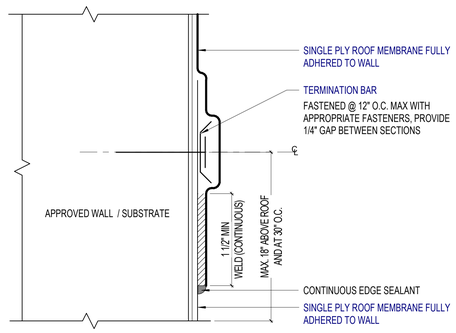
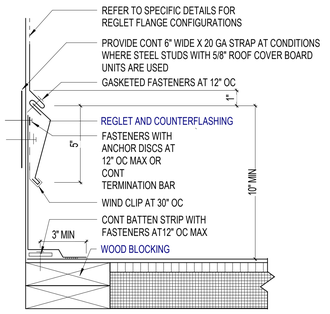


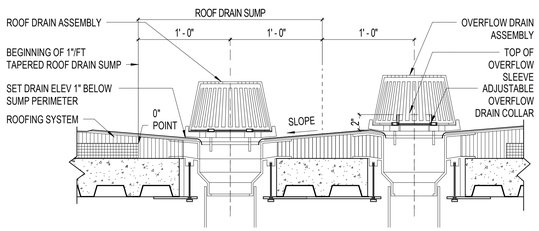
N1 — PARAPET TERMINATION BAR DETAIL

12" = 1'-0"



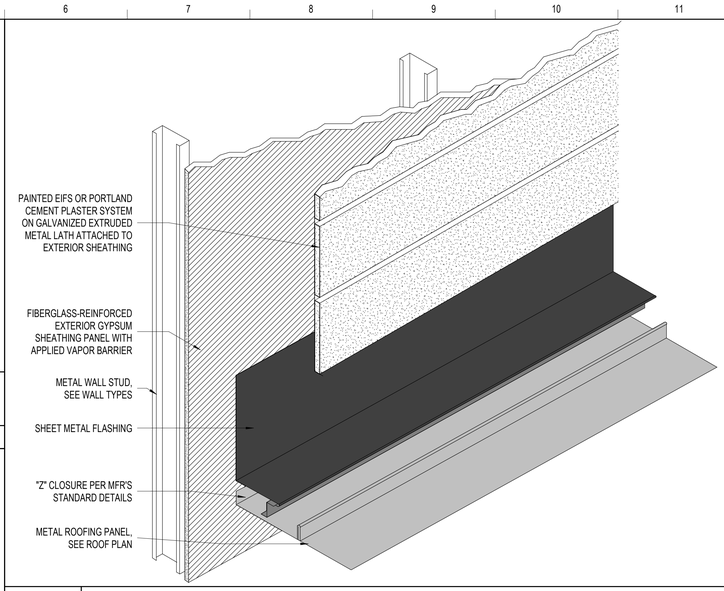
J1 — REGLET AND COUNTERFLASHING (SINGLE PLY)

3" = 1'-0"



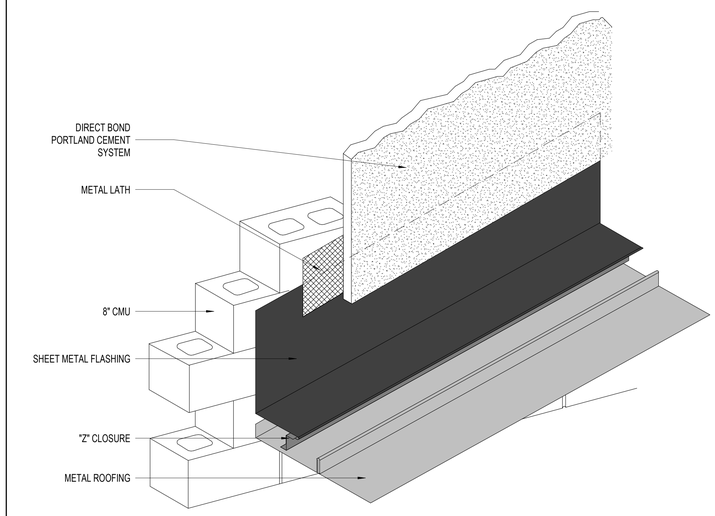
E1 — ROOF OVERFLOW/ DRAIN SUMP SECTION (SINGLE PLY)

1 1/2" = 1'-0"



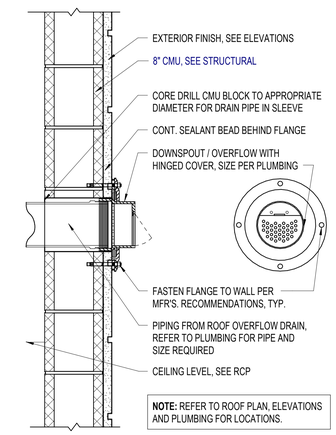
L6 — SIDEWALL FLASHING DETAIL AT METAL FRAMED WALL

1 1/2" = 1'-0"



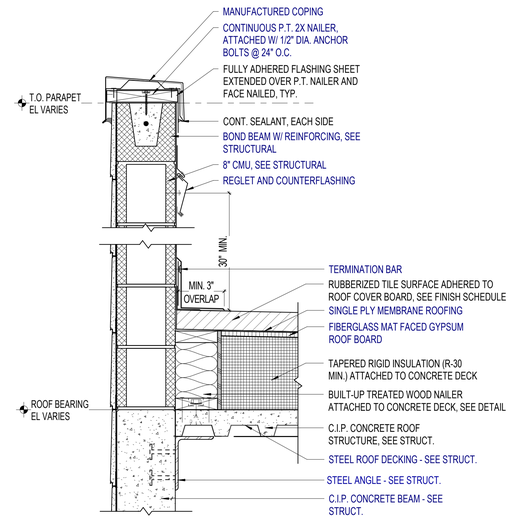
L13 — STEP FLASHING DETAIL WITH DIRECT BOND PLASTER (RS-SS)

1 1/2" = 1'-0"



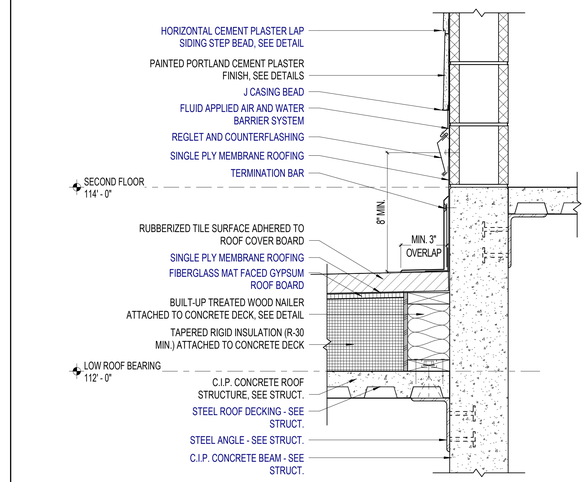
E11 — THRU-WALL DRAIN OUTLET

1 1/2" = 1'-0"



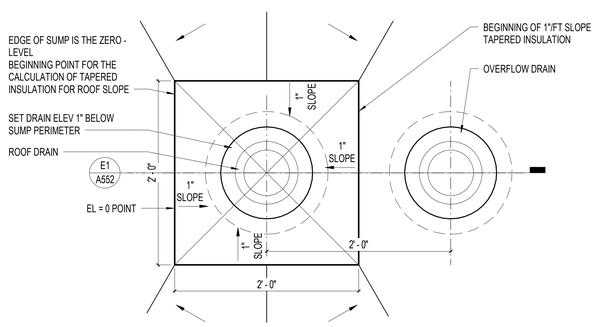
E9 — TYP. PARAPET WALL DETAIL

1 1/2" = 1'-0"



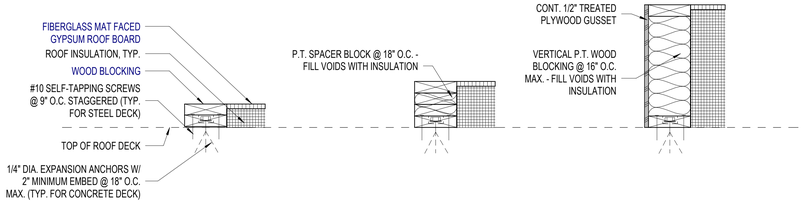
E14 — SINGLE-PLY ROOF DETAIL AT EXTERIOR WALL

1 1/2" = 1'-0"



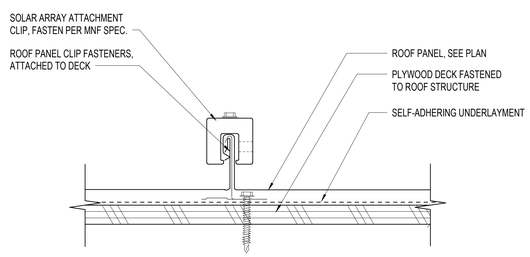
A1 — ROOF DRAIN WITH ADJACENT OVERFLOW DRAIN (SINGLE PLY)

1 1/2" = 1'-0"



A11 — TREATED WOOD NAILER (SINGLE PLY)

1 1/2" = 1'-0"



A13 — RS-SS.02 SOLAR ARRAY ATTACHMENT CLIP

6" = 1'-0"

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DETAILS - ROOF

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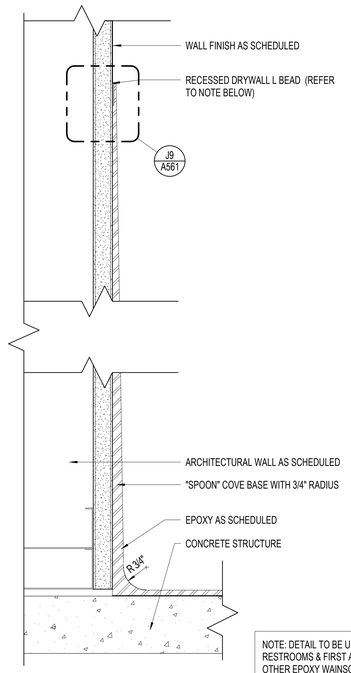
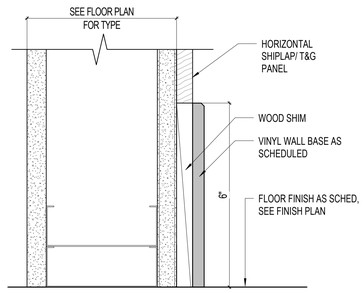


NOTE: DETAIL TO BE USED IN RESTROOMS & FIRST AID ONLY ALL OTHER EPOXY WAINSCOT TO BE INSTALLED WITHOUT L-TRIM SYSTEM.

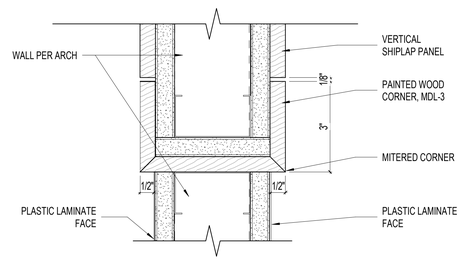
J1 EPOXY COVE BASE W/WAINSCOTT DETAIL

6" = 1'-0"



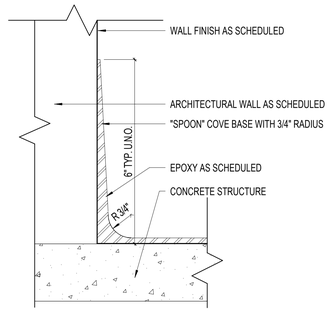
N5 TYP. VINYL BASE @ SHIPLAP/T&G

6" = 1'-0"



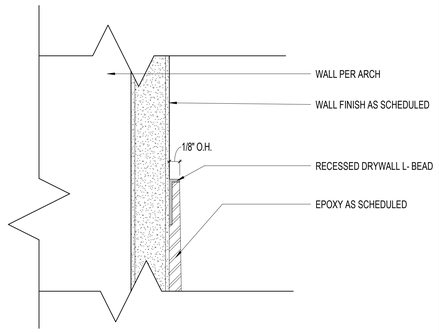
N9 HORIZONTAL SHIPLAP @ CORNER

6" = 1'-0"



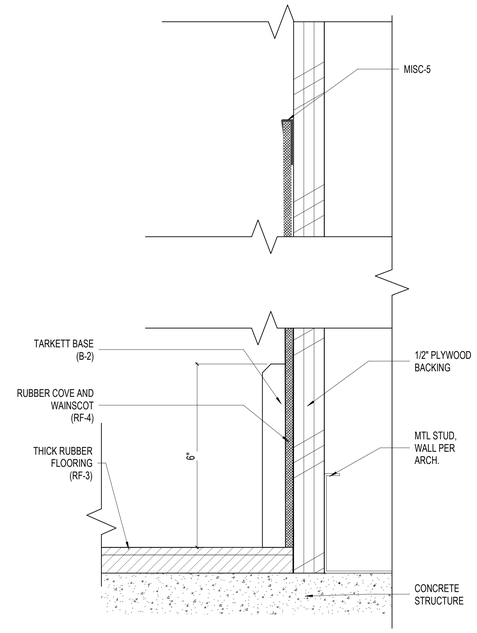
J5 EPOXY COVE BASE DETAIL

6" = 1'-0"



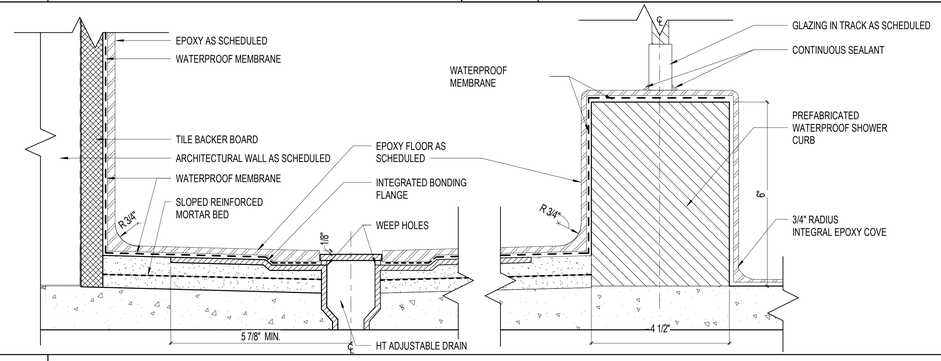
J9 L-BEAD DETAIL @ WALL EPOXY

12" = 1'-0"



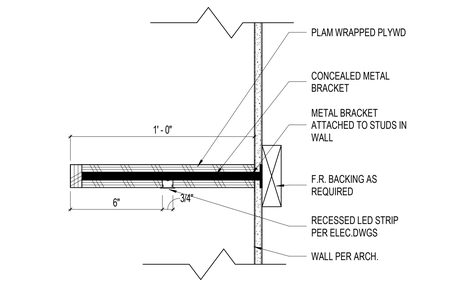
J14 DETAIL- BASE @ RUBBER FLOOR /WALL

12" = 1'-0"



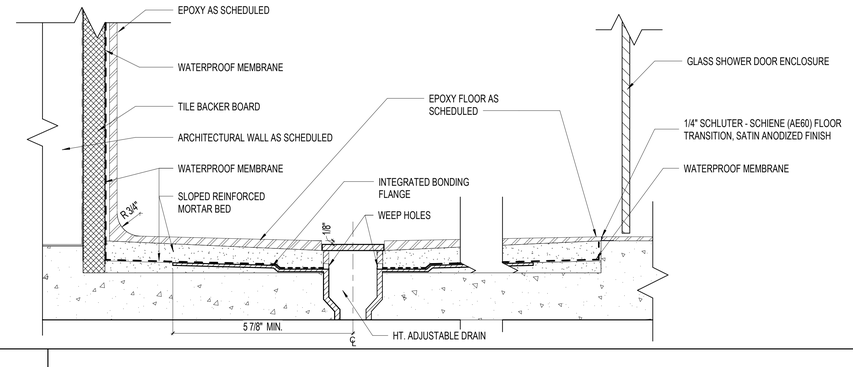
E1 SHOWER DETAIL - EPOXY CURB

6" = 1'-0"



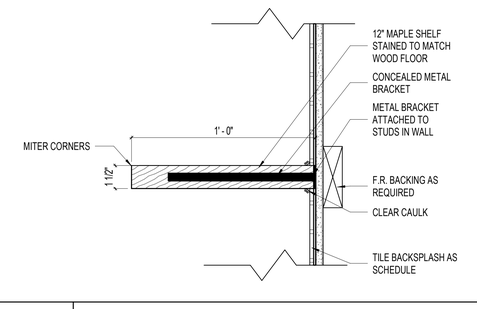
E9 FLOATING SHELF WITH U.C. LIGHT STRIP

3" = 1'-0"



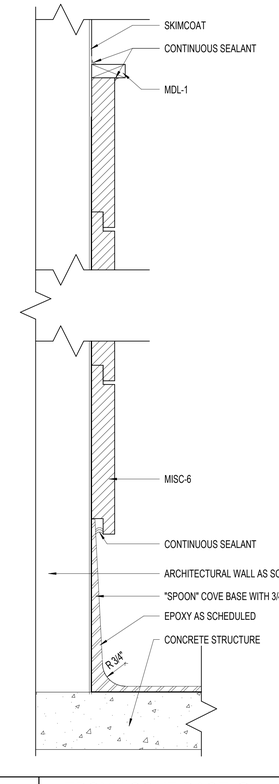
A1 SHOWER DETAIL - TYPICAL

6" = 1'-0"



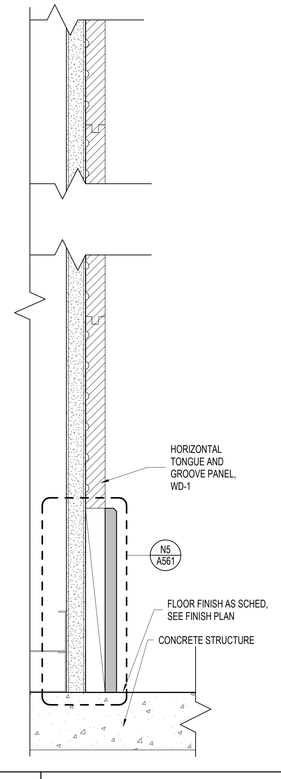
A9 FLOATING SHELF

3" = 1'-0"



A13 EPOXY COVE BASE @ SHIPLAP WALL

6" = 1'-0"



A16 T&G WALL

6" = 1'-0"

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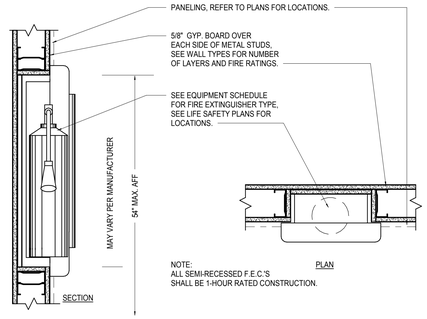
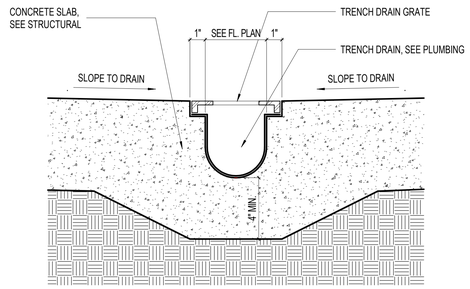
N1 SEMI-RECESSED F.E.C. - STUD WALL

1 1/2" = 1'-0"



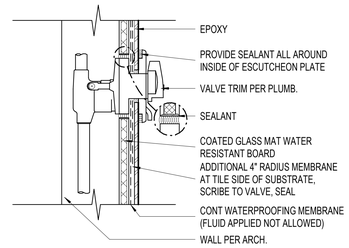
N6 TRENCH DRAIN SECTION DETAIL

3" = 1'-0"



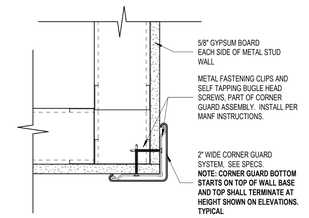
N11 SHOWER CONTROL VALVE PENETRATION DETAIL

3" = 1'-0"



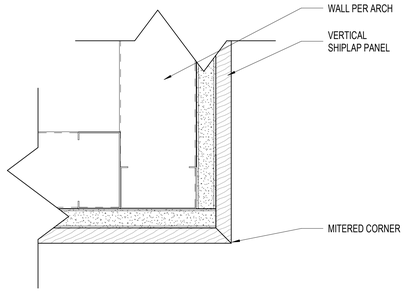
N15 CORNER GUARD DETAIL

3" = 1'-0"



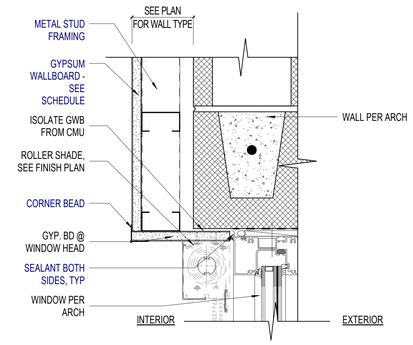
J1 TYP. OUTSIDE CORNER@ SHIPLAP

6" = 1'-0"



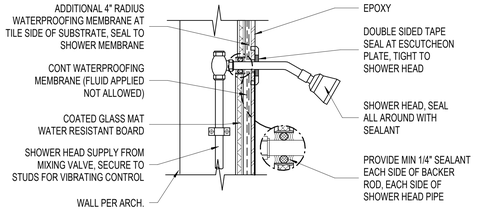
J6 TYP. ROLLER SHADE

3" = 1'-0"



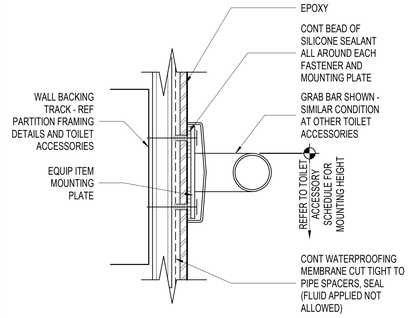
J11 SHOWER HEAD PENETRATION DETAIL

3" = 1'-0"



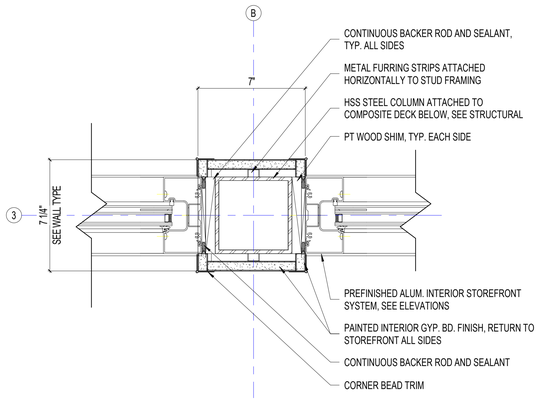
J15 SHOWER ACCESSORIES PENETRATION DETAIL

6" = 1'-0"



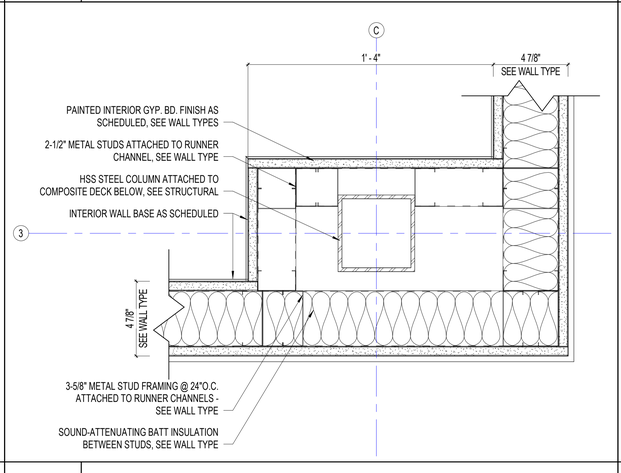
D1 INTERIOR COLUMN DETAIL @ STOREFRONT

3" = 1'-0"



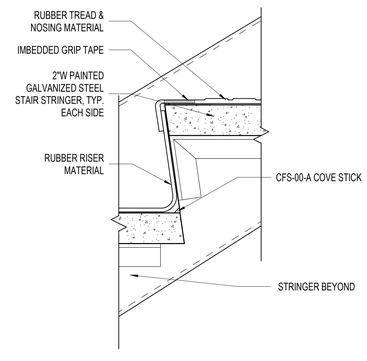
D6 INTERIOR COLUMN DETAIL

3" = 1'-0"



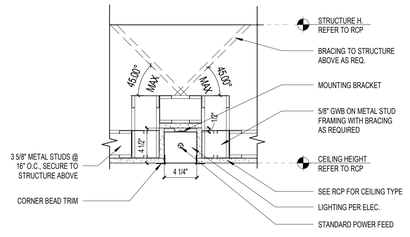
D11 RUBBER NOSING/RISER DETAIL

3" = 1'-0"



D15 TYP. @ RECESSED BAY LIGHTING

1 1/2" = 1'-0"



SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

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DETAILS - INTERIOR

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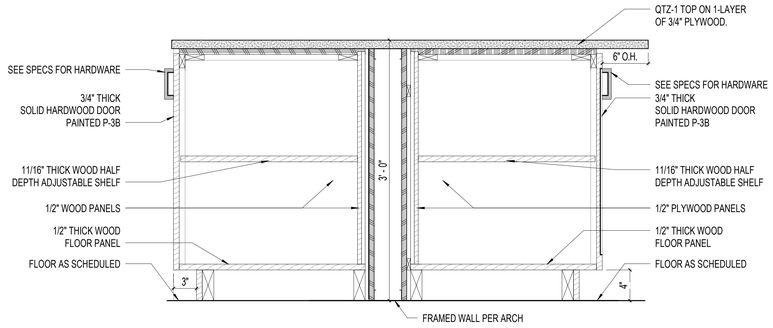
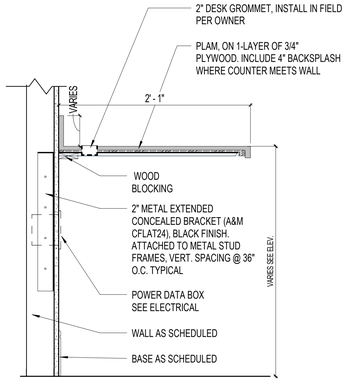


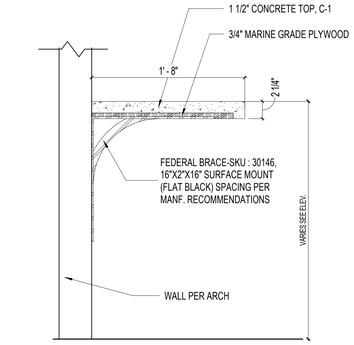
M1 — ISLAND SECTION @ CABINETS

1 1/2" = 1'-0"



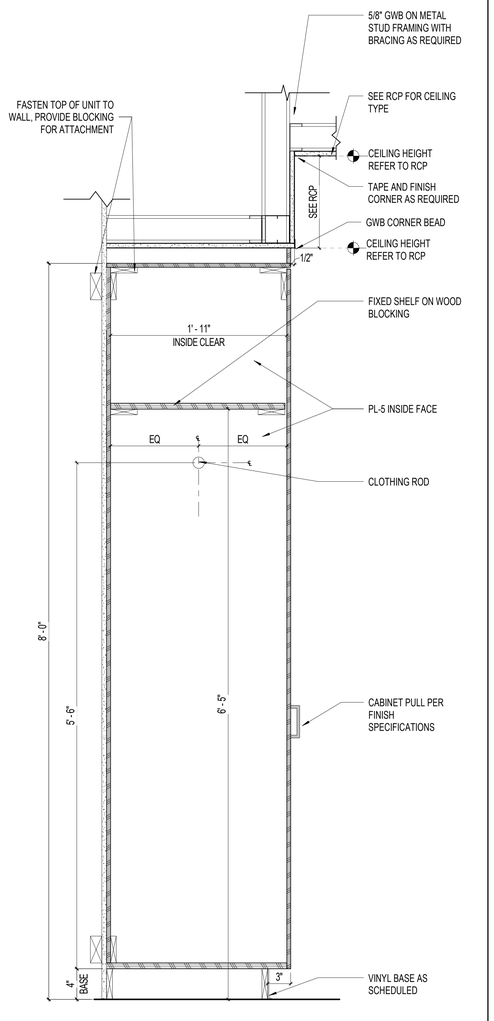
M9 — COUNTER DETAIL CONCEALED BRACKET

1 1/2" = 1'-0"



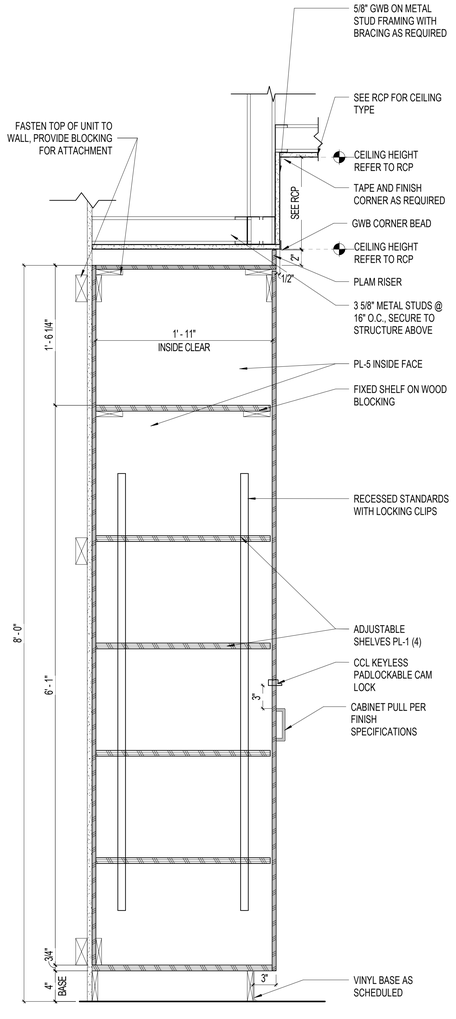
M13 — COUNTER DETAIL SURFACE MTD. BRACKET

1 1/2" = 1'-0"



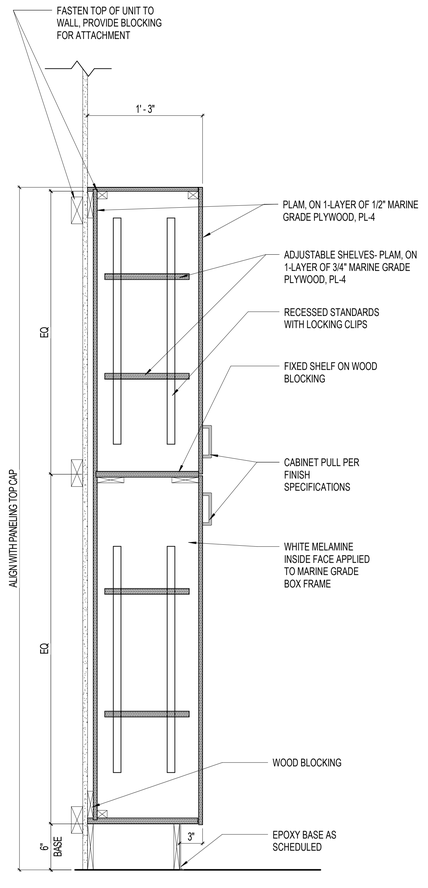
A1 — CASEWORK DETAIL - WARDROBE@ ROD

1 1/2" = 1'-0"



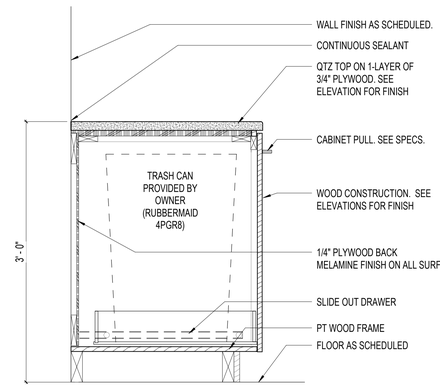
A5 — CASEWORK DETAIL - WARDROBE @ SHELVES

1 1/2" = 1'-0"



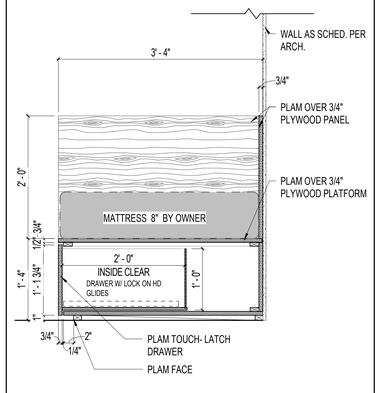
A9 — CASEWORK DETAIL - TALL CABINET

1 1/2" = 1'-0"



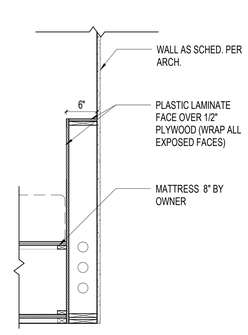
F13 — COUNTER SECTION @ TRASH QTZ/WD

1 1/2" = 1'-0"



A13 — CASEWORK DETAIL - MATTRESS PLATFORM

1" = 1'-0"



A16 — CASEWORK DETAIL @ BUNK HEADWALL

1" = 1'-0"

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MILLWORK & CASEWORK DETAILS

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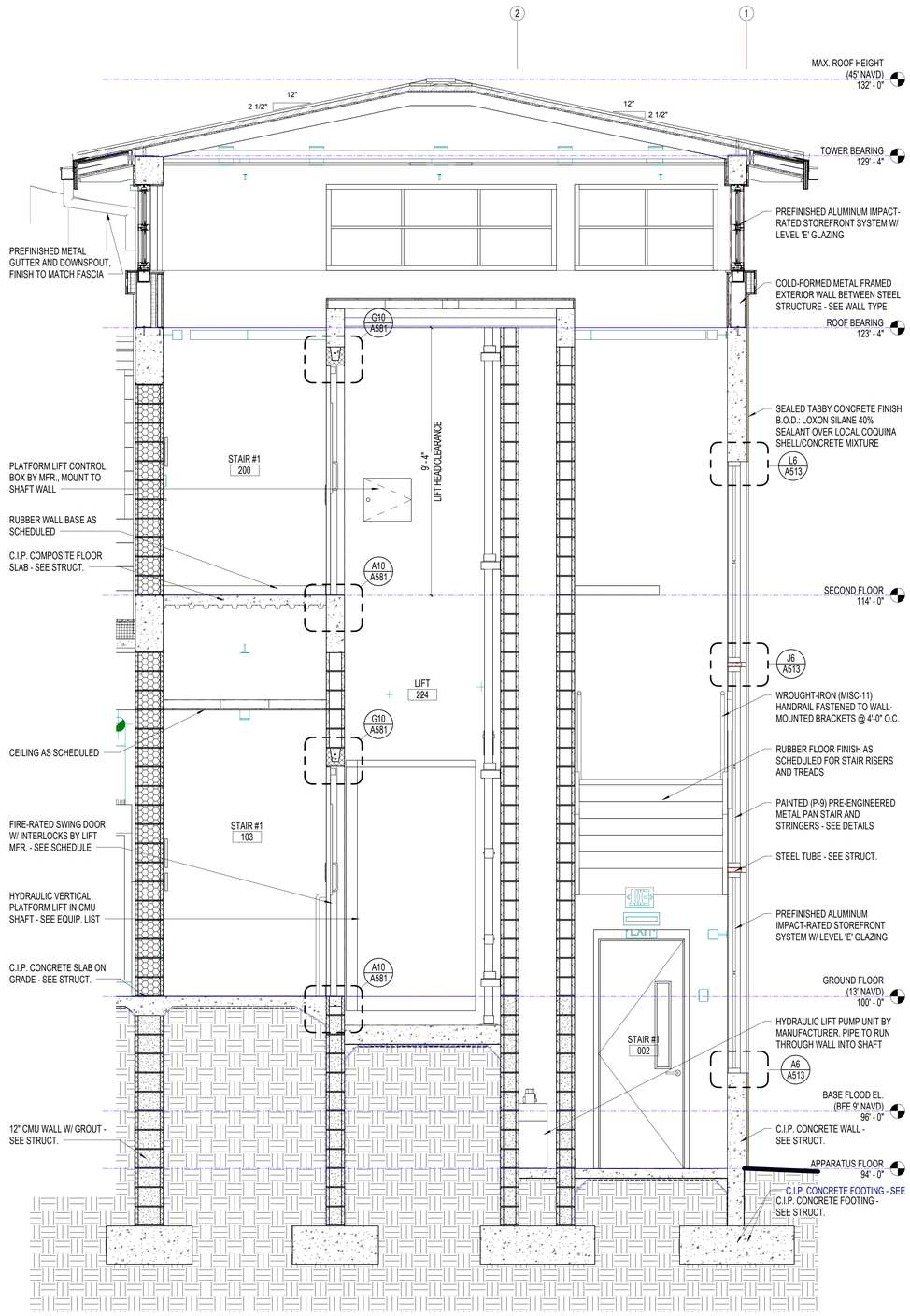
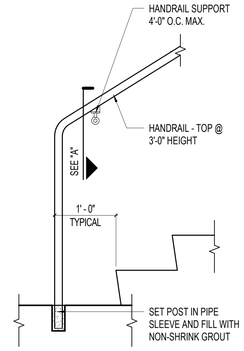
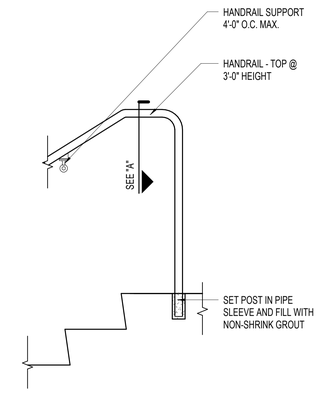


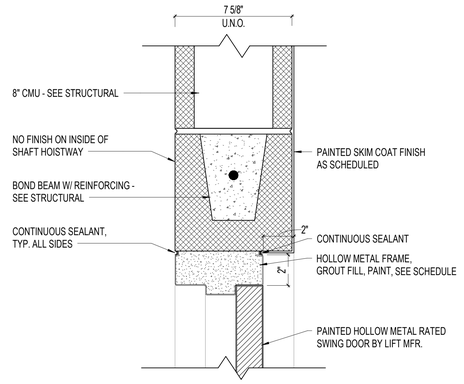
A1	SECTION - STAIR / LIFT TOWER
1/2" = 1'-0"	



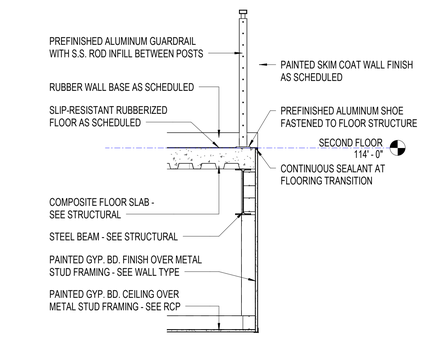
M10	FLOOR MOUNTED HANDRAIL EXTENSION @ BOTTOM
1" = 1'-0"	



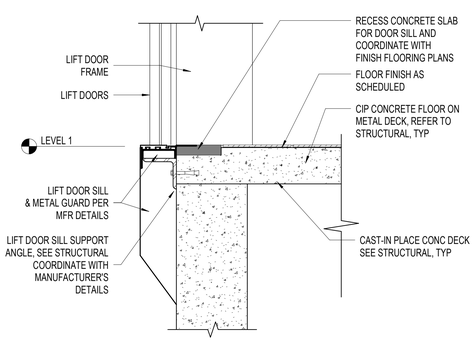
M14	FLOOR MOUNTED HANDRAIL EXTENSION @ TOP
1" = 1'-0"	



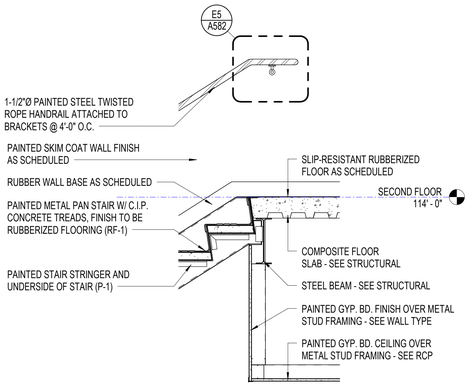
G10	LIFT DETAIL - DOOR HEAD @ MASONRY
3" = 1'-0"	



G14	WALL DETAIL AT GUARDRAIL
3/4" = 1'-0"	



A10	LIFT DETAIL - DOOR SILL AT GRADE
1 1/2" = 1'-0"	



A14	WALL DETAIL AT STAIR
3/4" = 1'-0"	

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DETAILS - STAIR & LIFT

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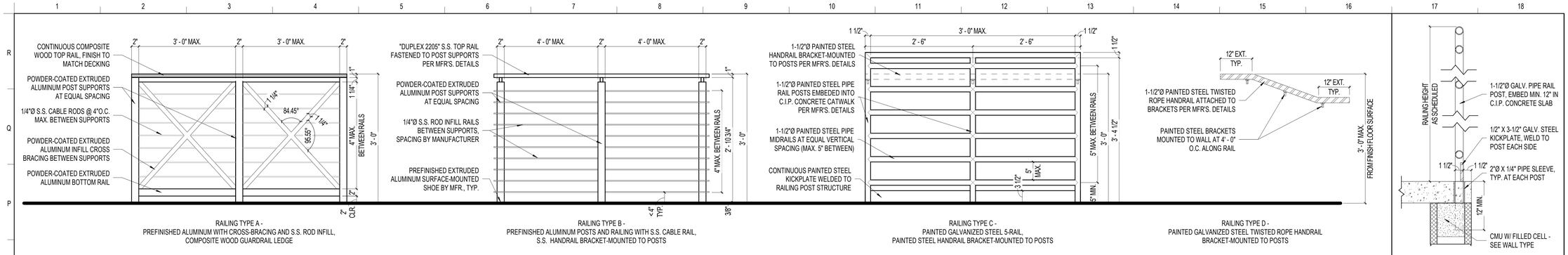


RAILING TYPE A - PREFINISHED ALUMINUM WITH CROSS-BRACING AND S.S. ROD INFILL, COMPOSITE WOOD GUARDRAIL LEDGE

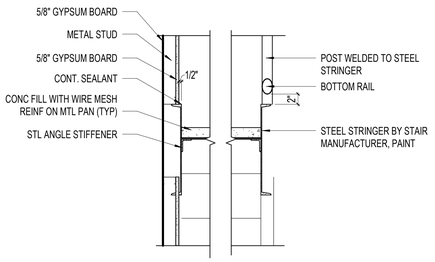
RAILING TYPE B - PREFINISHED ALUMINUM POSTS AND RAILING WITH S.S. CABLE RAIL, S.S. HANDRAIL BRACKET-MOUNTED TO POSTS

RAILING TYPE C - PAINTED GALVANIZED STEEL 5-RAIL, PAINTED STEEL HANDRAIL BRACKET-MOUNTED TO POSTS

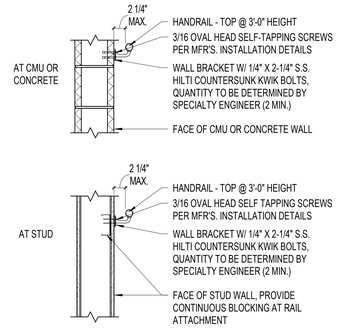
RAILING TYPE D - PAINTED GALVANIZED STEEL TWISTED ROPE HANDRAIL BRACKET-MOUNTED TO POSTS

N1 RAILING TYPES — 1" = 1'-0"

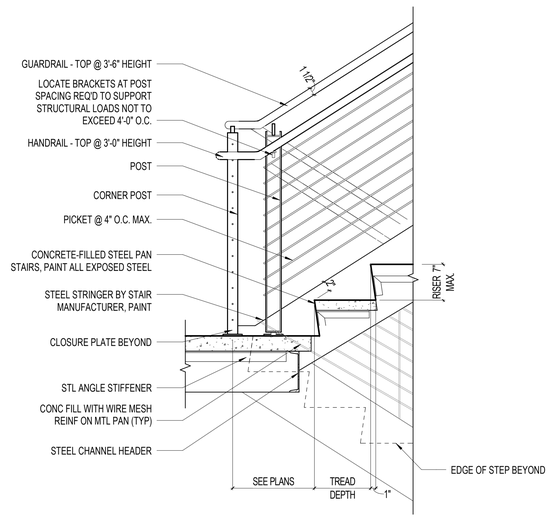
N15 @ RAIL POST — 1 1/2" = 1'-0"



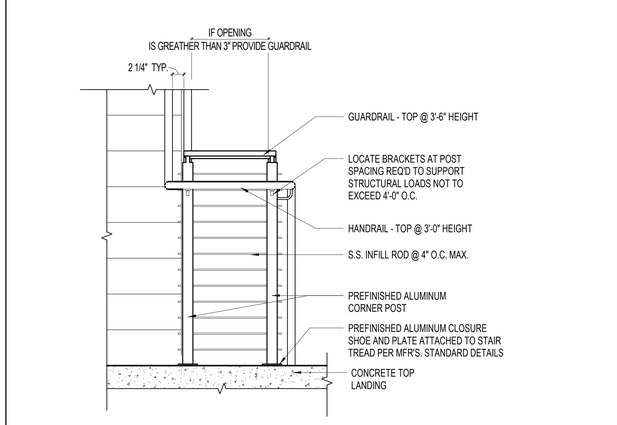
J1 CROSS SECTION AT STAIR TREAD — 1" = 1'-0"



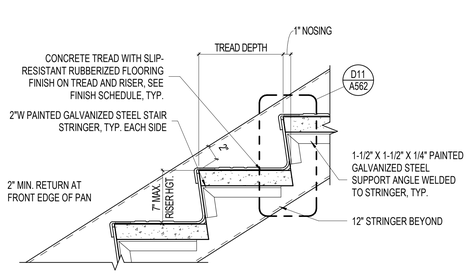
J5 TYPICAL WALL MOUNTED HANDRAIL DETAIL — 1" = 1'-0"



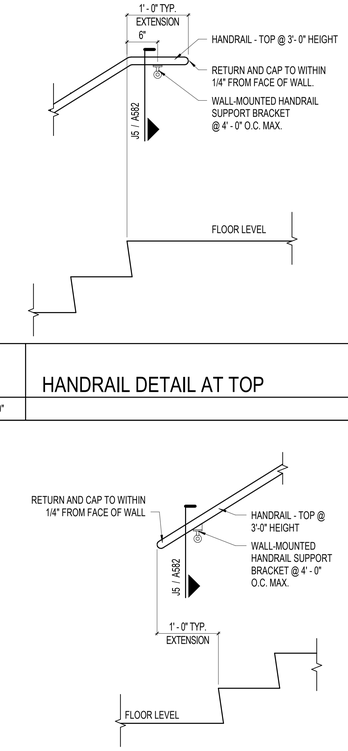
G9 HANDRAIL AND GUARDRAIL DETAIL AT INTERMEDIATE LANDING — 1" = 1'-0"



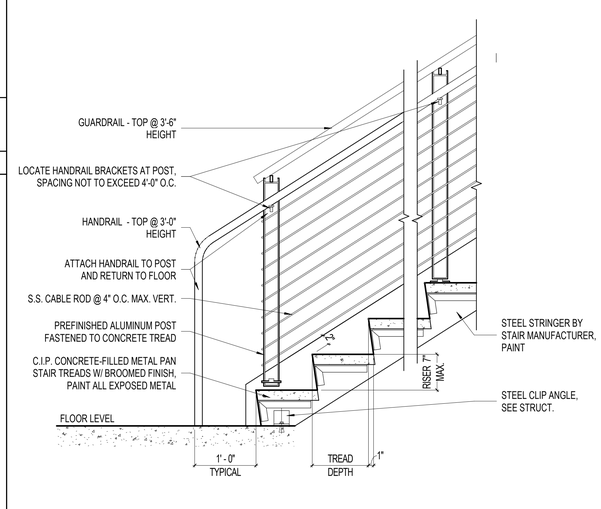
G14 HANDRAIL AND GUARDRAIL DETAIL AT INTERMEDIATE LANDING — 1" = 1'-0"



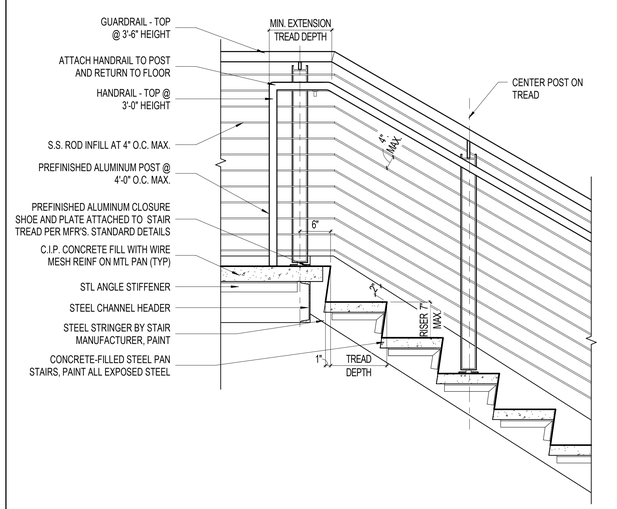
E1 TYPICAL METAL STAIR TREAD AND RISER DETAIL — 1 1/2" = 1'-0"



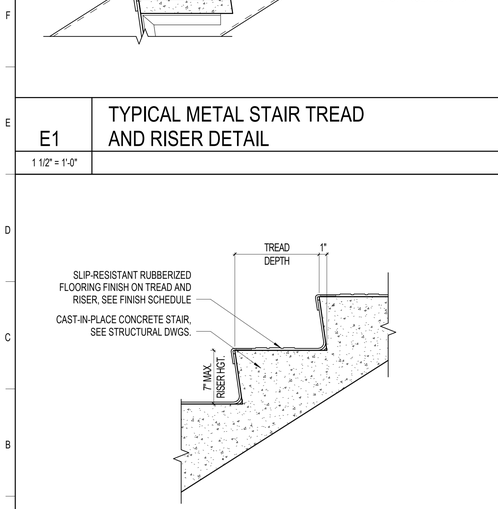
E5 HANDRAIL DETAIL AT TOP — 1" = 1'-0"



A9 HANDRAIL AND GUARDRAIL DETAIL AT START — 1" = 1'-0"



A14 HANDRAIL AND GUARDRAIL DETAIL AT TOP LANDING — 1" = 1'-0"



A1 TYPICAL CONCRETE STAIR TREAD AND RISER DETAIL — 1 1/2" = 1'-0"

A5 HANDRAIL DETAIL AT START — 1" = 1'-0"

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DETAILS - TYP. STAIR

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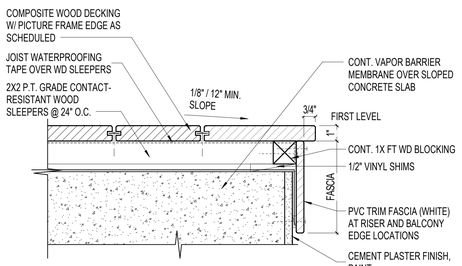
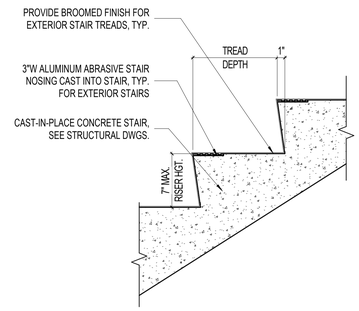


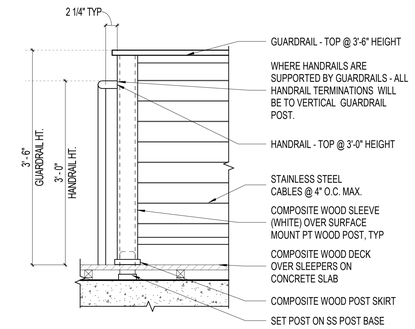
N1 — TOP RISER DETAIL - COMP. WD. OVER CONC. STAIR

3" = 1'-0"



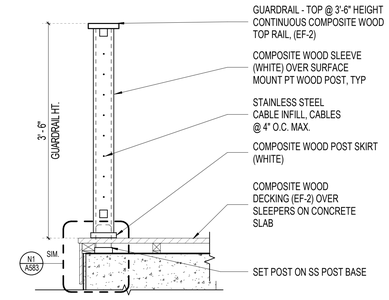
N5 — EXTERIOR CONCRETE STAIR TREAD AND RISER DETAIL

1 1/2" = 1'-0"



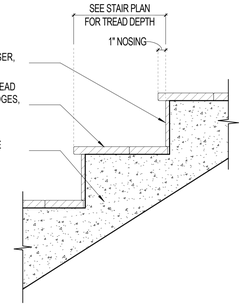
N9 — GUARDRAIL SECTION AT LANDING

1" = 1'-0"



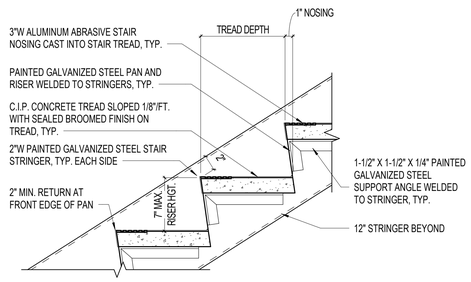
N14 — GUARDRAIL SECTION AT PATIO

1" = 1'-0"



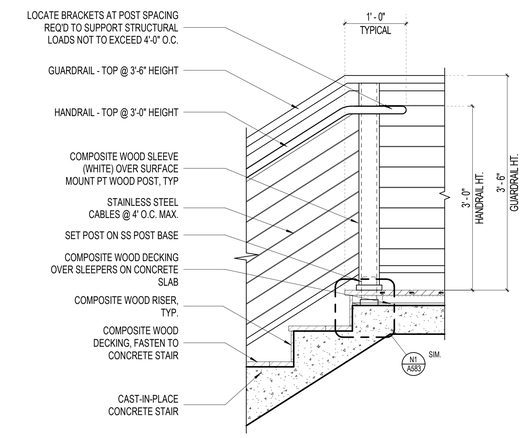
J1 — TYP. TREAD DETAIL - COMP. WD. OVER CONC. STAIR

1 1/2" = 1'-0"



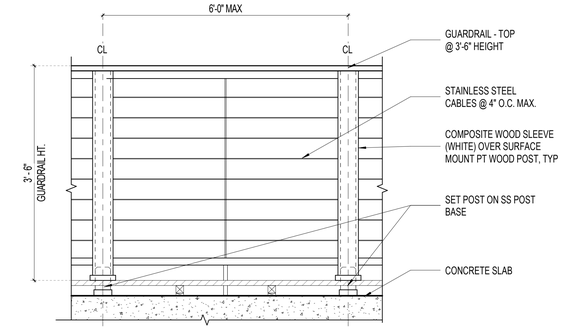
J5 — EXTERIOR METAL STAIR TREAD AND RISER DETAIL

1 1/2" = 1'-0"



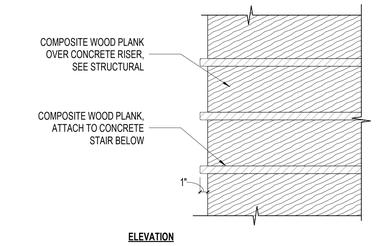
G9 — HANDRAIL/GUARDRAIL DETAIL AT LANDING

1" = 1'-0"

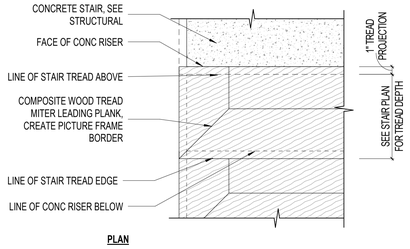


G14 — GUARDRAIL DETAIL

1" = 1'-0"



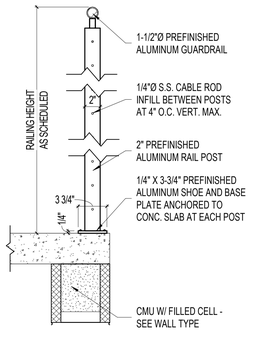
ELEVATION



PLAN

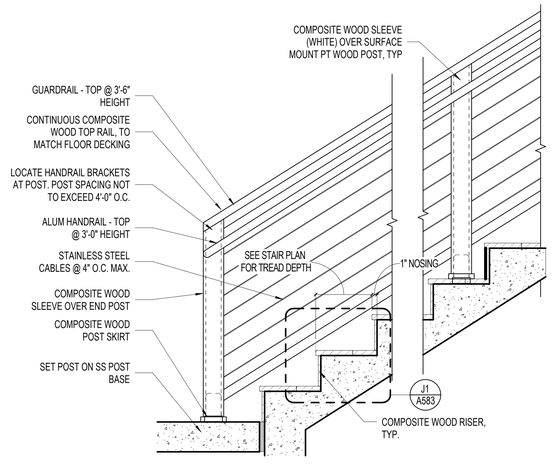
A1 — PLAN DETAIL - COMP. WD. OVER CONC. STAIR

1 1/2" = 1'-0"



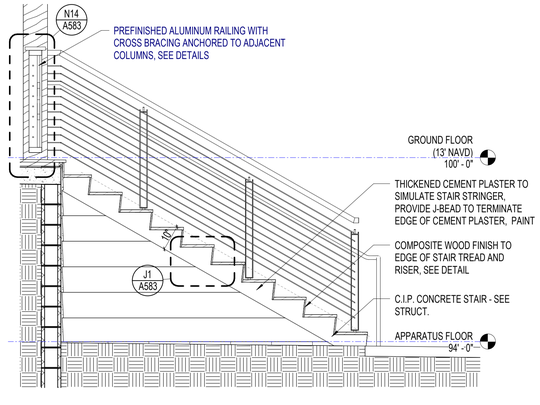
E5 — TYP. SURFACE-MOUNTED RAILING DETAIL

1 1/2" = 1'-0"



A9 — HANDRAIL/GUARDRAIL DETAIL AT BOTTOM

1" = 1'-0"



A14 — TYP. STAIR SIDE ELEVATION

1/2" = 1'-0"

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DETAILS - EXTERIOR STAIR

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EXTERIOR RENDERING -
OVERALL FRONT VIEW #1

EXTERIOR RENDERING -
OVERALL FRONT VIEW #2

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

SCHENKEL SHULTZ

9510 Corkscrew Palms Circle,
Unit 1
Estero, FL 33928,USA
voice (239) 208-4846

SS Lic. No. AA-C000937
www.schenkelshultz.com

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EXTERIOR RENDERING -
FRONT ROAD ARRIVAL

EXTERIOR RENDERING -
FRONT MEMORIAL GARDEN

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
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EXTERIOR RENDERING -
APPARATUS BAY ARRIVAL

INTERIOR RENDERING -
INTERIOR BAY VIEW

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

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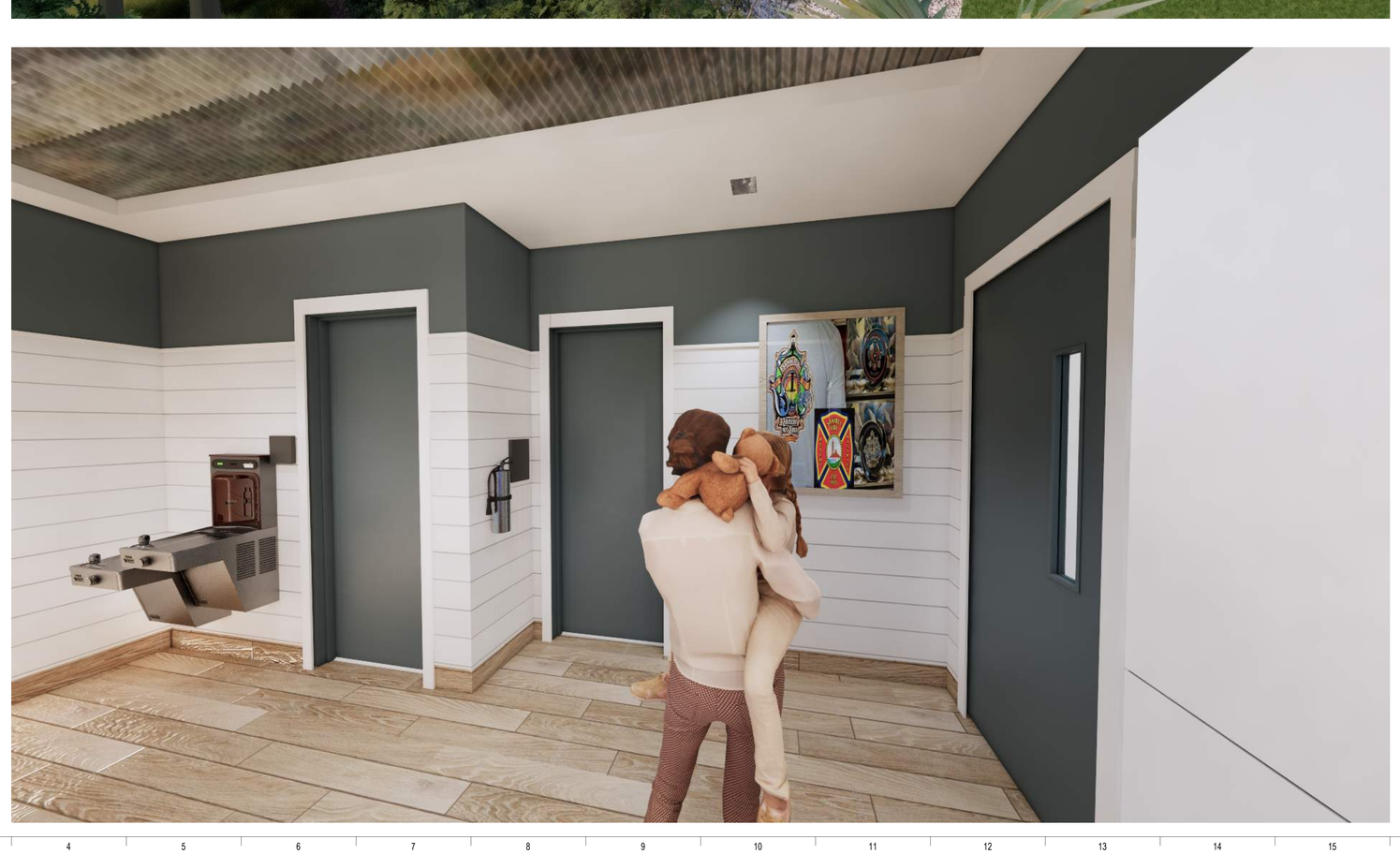
EXTERIOR RENDERING - REAR VIEW



INTERIOR RENDERING - LOBBY ENTRY

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
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INTERIOR RENDERING - KITCHEN #1

INTERIOR RENDERING - KITCHEN #2

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
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INTERIOR RENDERING - DINING

INTERIOR RENDERING - DAYROOM

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
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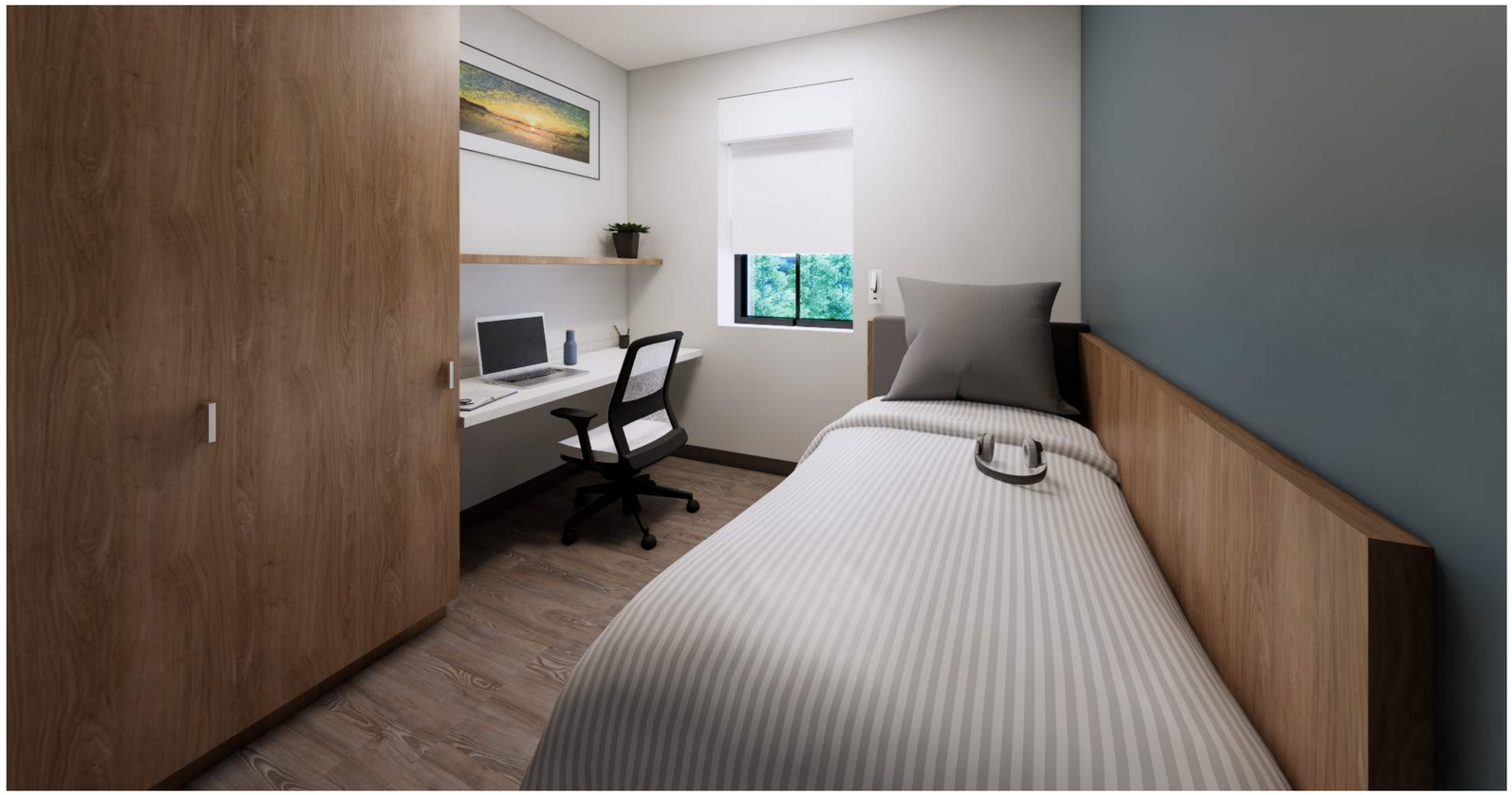
INTERIOR RENDERING - DAY ROOM



INTERIOR RENDERING - TYPICAL BUNK

SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

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