

42055 ZEVU DR., TEMECULA, CALIFORNIA 92590-3760  
Phone: 951.296.8110 Fax: 951.296.6079 Email: stk@stkinc.com

CONSULTANT:

PROJECT ADMINISTERED BY:  
SAN BERNARDINO COUNTY  
PROJECT & FACILITIES  
MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE.  
SAN BERNARDINO, CA 92415

PROJECT NAME:  
SAN BERNARDINO  
COUNTY FIRE  
DEPARTMENT:  
FIRE STATION 227

PROJECT # 10J0J202

CIP #22-105

APN Part of 0154-281-01

180 W. 38TH STREET  
SAN BERNARDINO,  
CA 92405

ISSUE INFORMATION:

DATE:	INFORMATION:
9-11-24	D.D.s
10-26-24	PROGRESS
12-20-24	95% CDs
03-14-25	Plan Check
05-09-25	Plan Check
07-25-25	BID SET
08-22-25	BID SET

SHEET INFORMATION:

STK PROJECT NO.: 374-193-24  
SCALE: AS NOTED  
DATE: DECEMBER 2024  
PLOT DATE: -  
DRAWING NAME: -

SEAL:



SHEET TITLE:

REFERENCE  
PLAN

SHEET NO.:

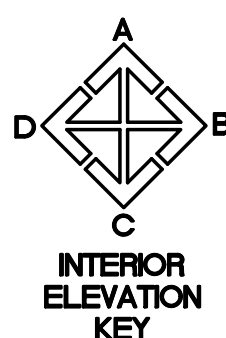
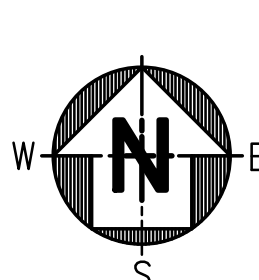
A2.2

#### ROOM IDENTIFICATION SIGNS

QTY	SIGN
(2)	APPARATUS
(5)	BATH-ROOM (1 to 5)
(1)	COMM ROOM
(2)	FITNESS
(1)	MECH ROOM
(2)	LAUNDRY (1 AND 2)
(1)	OFFICE
(1)	STORAGE
(9)	SLEEP QUARTER (1 to 9)
(2)	TURNOUT GEAR
(2)	SHOWERS
(1)	SCBA
(1)	UTILITY
(1)	ICE MACHINE
(1)	JANITOR

NOTE: APPARATUS IS FOR PARKING  
ONLY. NO VEHICLE MAINTENANCE SHALL  
OCCUR IN THE FACILITY.

- SEE WINDOW SCHEDULE, A23  
ARROW INDICATES OPENING DIRECTION
- SEE DOOR SCHEDULE, A23
- SEE WINDOW BLINDS SCHEDULE, A23



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

#### KEY NOTE

- CORNER GUARDS (PVC), (TYP. OF 13)
- METAL MESH GEAR LOCKERS, FLOOR MOUNTED AT CENTER OF ROOM. WALL MOUNTED AT ROOM PERIMETER. PROVIDE BACKING AS REQUIRED.
- DESIGNATE TWO LOCKERS AS ACCESSIBLE (SHOWN ON PLAN). INSTALL HANG BAR AND HOOKS AT 48" AFF. PROVIDE SYMBOL OF ACCESSIBILITY.
- KNOX BOX, PROVIDE PER COUNTY OF SAN BERNARDINO FIRE DEPT. REQUIREMENTS.
- CASEWORK WARDROBE LOCKERS AND DESK. SEE
- SEMI-RECESSED FIRE EXTINGUISHER. SEE
- FLUSH PYRAMID SHAPED CONG. PAD FOR EXTRACTOR PER MANUF. INSTRUCTIONS. SEE
- FIRE SPRINKLER RISER.
- WALLS SEPARATING SLEEP UNITS TO HAVE A MINIMUM 1/2 HOUR FIRE RATED WALL. SEE
- ADA RESTROOM WALL AND DOOR SIGNAGE. SEE
- CORNER GUARDS (STAINLESS STEEL), (TYP. OF 7)
- 6" DIA. X 4" HIGH CONCRETE FILLED BOLLARD, PAINT OSHA YELLOW. SEE
- OVERHEAD COILING DOORS, (TYP. OF 6) SEE
- ICE MACHINE
- 3" WIDE GLASS SHOWER DOOR & SHOWER RECEPTOR.
- TACTILE EXIT SIGN. SEE
- AREA DRAIN. SEE PLUMBING DWGS.
- RED 911 PHONE, BY FIRE DEPT. SEE SHEET D11.
- VIDEO DOOR BELL. SEE COMMUNICATIONS PLANS.
- GAS RESET BUTTON. SEE ELCT. AND COMMUNICATIONS PLANS.
- ROOM IDENTIFICATION SIGNAGE. SEE
- PROVIDE ACCESSIBLE DINNING SURFACE AT TABLE. SEE
- WALL COVER WITH GRAPHICS.

#### WALL LEGEND

- EXTERIOR WALL:** 2x6 OR 2x8 WOOD STUDS • 16" O.C. W/ SHEATHING PER STRUCTURAL DRAWINGS W/ CEMENT CEMENT PLASTER W/ R-2 BATT INSULATION & ONE LAYER OF 5/8" TYPE "X" GYP. BD. ON INTERIOR FACE. UNLESS OTHERWISE NOTED.
  - 1 HOUR WALL:** 2x6 WOOD STUDS • 16" O.C. W/ ONE LAYER OF 5/8" TYPE "X" GYP. BD. FROM FLOOR TO UNDERSIDE OF ROOF SHEATHING ON APPARATUS BAY SIDE AND ONE LAYER OF 5/8" TYPE "X" GYP. BD. FROM FLOOR TO UNDERSIDE OF ROOF SHEATHING ON LIVING QUARTERS SIDE W/ PLYWOOD PER STRUCT. DRAWING. USE R-2 BATT INSULATION TO FILL CAVITY.
  - 1/2 HOUR WALL:** 2x6 OR 2x4 WOOD STUDS • 16" O.C. W/ 5/8" TYPE "X" GYP. BD. ON EACH FACE. UNLESS OTHERWISE NOTED W/ (SOUND) INSULATION FULL HEIGHT OF WALL. REFER TO FIRE RATED ASSEMBLIES DET. 16/A22
  - INTERIOR WALL:** 2x6 OR 2x4 WOOD STUDS • 16" O.C. W/ 5/8" TYPE "X" GYP. BD. ON EACH FACE. UNLESS OTHERWISE NOTED W/ (SOUND) INSULATION FULL HEIGHT OF WALL. REFER TO FIRE RATED WALL ASSEMBLIES FOR SPECIFICATION.
- NOTES: PROVIDE WATER RESISTANT GYP. BD. BEHIND ALL WET AREAS.
- NOTE: COORDINATE / SEE STRUCTURAL DRAWINGS FOR ALL 48" HIGH CONC. CURB - CURB WIDTH TO MATCH WALL STUD WIDTH (TYP. AT ALL EXTERIOR WALLS AND ALL APPARATUS WALLS)
- NOTE: ALL PIPING, CONDUITS, WIRES, DUCTS, ETC. SHALL BE CONCEALED INSIDE WALLS OR ATTIC. NO EXCEPTIONS.
- NOTE: MIXED-USE BUILDING SEPARATION PROPOSED PER CBC 508.3 NONSEPARATED OCCUPANCIES

#### EQUIPMENT LIST

QTY	ITEM	FURNISHED BY	INSTALLED BY
1 EA	REFRIGERATOR/FREEZER	CONTRACTOR	CONTRACTOR
2	DISHWASHER	CONTRACTOR	CONTRACTOR
2	RANGE & HOOD	CONTRACTOR	CONTRACTOR
2	MICROWAVE	CONTRACTOR	CONTRACTOR
1	COFFEE MAKER	CONTRACTOR	CONTRACTOR
1	RESIDENTIAL ICE MAKER	CONTRACTOR	CONTRACTOR
1	R.O. WATER SYSTEM-UNDERCOUNTER	CONTRACTOR	CONTRACTOR
1	COUNTERTOP R.O. WATER DISPENSER	CONTRACTOR	CONTRACTOR
2	WASHER	CONTRACTOR	CONTRACTOR
2	DRYER	CONTRACTOR	CONTRACTOR
5	FIRE EXTINGUISHERS	CONTRACTOR	CONTRACTOR
27	METAL GEAR LOCKERS	CONTRACTOR	CONTRACTOR
28	PLASTIC LOCKERS	CONTRACTOR	CONTRACTOR
1	COMMERCIAL ICE MACHINE/BIN	CONTRACTOR	CONTRACTOR
1	TELECOMMUNICATIONS SYSTEM - SEE DATA V	OWNER	OWNER
1	ALERT SYSTEM - SEE DATA 2/2-7	CONTRACTOR	CONTRACTOR
1	EXTRACTOR WASHER	CONTRACTOR	CONTRACTOR
1	COMM. DRYER CABINET	CONTRACTOR	CONTRACTOR
1	DECON WASH STATION	CONTRACTOR	CONTRACTOR
1	SCBA COMPRESSOR	CONTRACTOR	CONTRACTOR
1	AIR COMPRESSOR	CONTRACTOR	CONTRACTOR
1	VEHICLE EXHAUST SYSTEM	CONTRACTOR	CONTRACTOR
1	CELING FANS	CONTRACTOR	CONTRACTOR
2	LARGE FORMAT CELING FANS	CONTRACTOR	CONTRACTOR
1	AUTO TRANSFER SWITCH	CONTRACTOR	CONTRACTOR
2	UNIT HEATER	CONTRACTOR	CONTRACTOR
1	EXERCISE EQUIPMENT**	CONTRACTOR	CONTRACTOR
1	EMERGENCY GENERATOR	CONTRACTOR	CONTRACTOR
1	COMPRESSED AIR HOSE REEL	CONTRACTOR	CONTRACTOR
1	1000GAL DIESEL FUEL TANK	CONTRACTOR	CONTRACTOR
1	FURNITURE*	CONTRACTOR	CONTRACTOR

#### NOTES:

\* "OWNER" REFERS TO COUNTY OF SAN BERNARDINO FIRE DEPT.

\* CONTRACTOR TO PROVIDE FURNITURE:  
DAY ROOM- RECLINERS, DINING TABLE & CHAIRS,  
PANTRY WIRE SHELVES  
SLEEP QUARTERS- MATTRESSES, CHAIRS  
OFFICE- DESKS, SHELVES, CHAIRS  
PATIO-TABLE & CHAIRS  
SHOWER ROOM LOCKERS  
SEE SPECIFICATIONS FOR DETAILS.

\*\* EXERCISE EQUIPMENT:  
CONTRACTOR TO PURCHASE AND INSTALL ALL EXERCISE EQUIPMENT LISTED IN SPECIFICATION SECTION II 6623 AND SHOWN IN SAMPLE INVOICE IN APPENDIX B. EQUIPMENT NOT SHOWN IN FLOOR PLAN SHALL BE LOCATED PER DIRECTION FROM THE FIRE DEPARTMENT.

COMPRESSED AIR HOSE REEL:  
COXREELS T SERIES, EZ-TSH-300 OR APPROVED EQUAL.

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

#### REFERENCE FLOOR PLAN

GA FILE NO. WP 3005	PROPRIETARY	1/2 HOUR FIRE	60 TO 84 STC SOUND
<b>GYPSUM PANELS, WOOD STUDS</b>			
<b>Fire Design:</b> One layer 5/8" proprietary gypsum panel applied parallel or at right angles to each side of 2 x 4 wood studs 16" o.c. with 1-5/8" type S screws 12" o.c. Vertical joints centered over studs and staggered one stud cavity on opposite sides. Horizontal joints need not be staggered or backed. (LOAD-BEARING)			
<b>Sound Design:</b> Sound tested with resilient channels on ONE SIDE, 3-1/2" glass fiber insulation and a double layer of 5/8" proprietary gypsum panel applied with screws spaced 12" o.c.			
<b>PROPRIETARY GYPSUM PANEL</b> United States Gypsum Company - 5/8" Sheetrock® Brand EcoSmart Panels Firecode 30®			
		Thickness: 4-3/4" (Fire) 6-1/4" (Sound)	
		Approx. Weight: 4.4 psf (Fire) 6.0 psf (Sound)	
		Fire Test: UL R1319, 11MK02873, 4-15-11, UL Design U407	
		Sound Test: RAL TL11-132, 5-23-11	

#### 1/2 HOUR FIRE RATED WALL

GA FILE NO. WP 3614	GENERIC	1 HOUR FIRE
<b>GYPSUM WALLBOARD, WOOD STUDS</b>		
<b>Fire Design:</b> One layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side of 2 x 4 wood studs 16" o.c. with 1-1/4" type W screws 12" o.c. Joints staggered 16" on opposite sides. (LOAD-BEARING)		
Thickness: 4-3/4" (Fire)		
Approx. Weight: 7 psf (Fire)		
Fire Test: SWRI 01-4511-610[1], 3-94		

#### 1 HOUR FIRE RATED WALL

Fire-rated Construction	Fire Rating	Detail & Physical Data	Description & Test No.	STC RC	Description & Test No.	System Reference
1 in.			5/8" Sheetrock Brand Gypsum Panel, Firecode C core, partitioned wood studs of min. 2 x 4 lumber, per U.S. Class A or C rating system-RC 1 channels or equivalent spaced 12" or 16" o.c.-gypsum panels attached with 1" type S screws, joints finished-optimal insulation directly over gypsum ceiling construction-4L See P22	N/A		S

\*When thermal insulation is shown in assembly drawings, the quality, grade & quantity is required in the assembly to achieve the stated fire rating.  
Fire ratings must be carried out in accordance with the referenced test.

\*\*When RC 1 is referenced, per RC-1

Resilient Channels or equivalent.

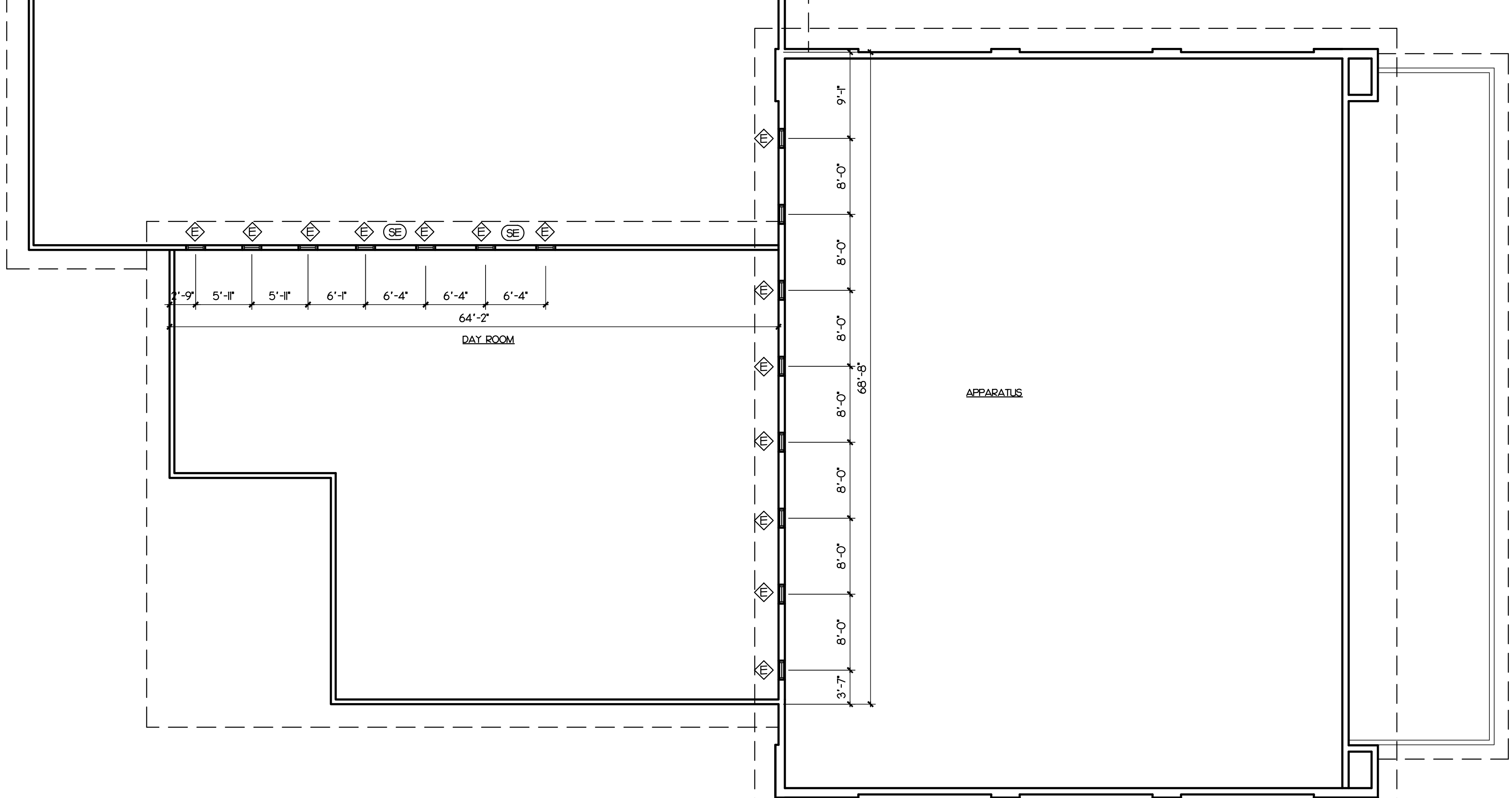
United States Gypsum Company 51824

1/2 HOUR FIRE RATED CEILING  
5/8" TYPE X GYPSUM BOARD, PROVIDES  
90 MIN. RATING TO AN ASSEMBLY PER ASTM C36.

#### FIRE RATED ASSEMBLIES

SCALE: 3/16"=1'-0"

#### CLERESTORY FLOOR PLAN



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