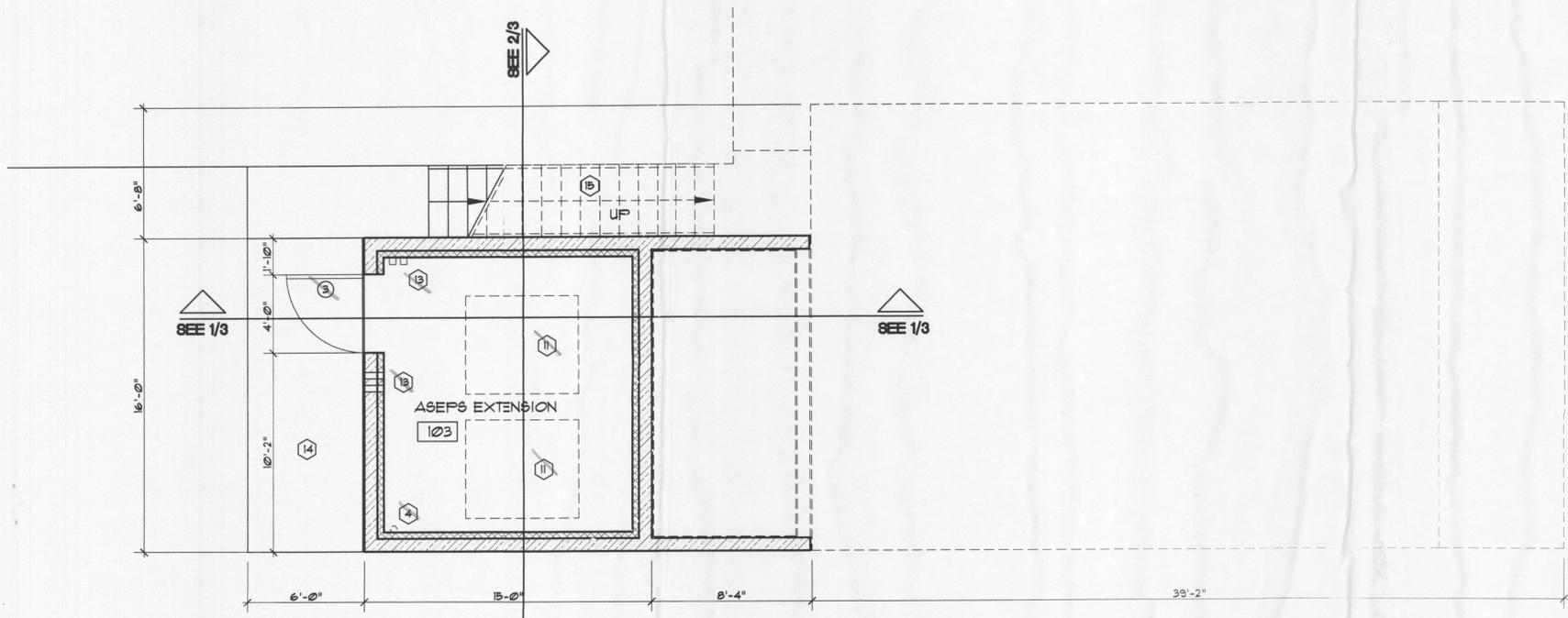


UPPER FLOOR



LOWER FLOOR

- ### FLOOR PLAN NOTES
1. FRAME FOR FUTURE DOOR, 4'-0" x 1'-0"
 2. DEMOLISH EXISTING LN2 STORAGE.
 3. WALLS, FLOORS AND CEILING TO BE ISOLATED FROM EXISTING BUILDING WITH 1" CONTROL JOINT. NEW EQUIPMENT CAN NOT VIBRATE.
 4. 4" CABLE SWEEP THRU FLOOR/CEILING OF BASEMENT.
 5. 8"x8" METAL FEED THRU.
 6. EXISTING CLEAN OUTS, RELOCATE TO OUTSIDE OF LN2 STORAGE.
 7. REGRADE AND INSTALL NEW CONCRETE WALKWAY.
 8. FLOOR DRAIN, SEE MECHANICAL PLANS. SLOPE CONCRETE FLOOR MAX. 0.1" PER FOOT TO DRAIN AS SHOWN ON PLAN.
 9. 24"x24" (1) TYP. LOUVERED AIR VENTS. SEE ELEVATION FOR HEIGHTS.
 10. LOCATION OF 2000 lb ASTROPHYSICAL RESEARCH INSTRUMENT BY OWNER.
 11. LOCATION OF 1600 lb ASTROPHYSICAL RESEARCH INSTRUMENT BY OWNER.
 12. LOCATION OF 180 LITER LIQUID NITROGEN CONTAINERS AND HANDLING RACK BY OWNER.
 13. (2) 4" CABLE SWEEP THRU FLOOR / WALL.
 14. 6'-0" WIDE CONCRETE LANDING.
 15. STEEL STAIRS, TO MATCH EXISTING STAIRS ON SITE. 16 RISER @ 6 3/4" AND 15 TREADS @ 12".
 16. EXISTING AND NEW ROOFLINE.
 17. RELOCATE EXISTING VIDEO CAMERA TO THIS LOCATION.
 18. ACCESS TO PULL BOXES TO REMAIN.
 19. 1" CONTROL JOINT IN SLAB, SEE ALSO STRUCTURAL PLANS, S-1 AND S-2. SEPARATE DRYWALL FROM FLOOR WITH JOINT.

- ### WALL LEGEND
- EXISTING WALLS TO REMAIN.
 - 2x10 EXTERIOR WALLS, INSULATE W/ R-30 BATT INSULATION, EXTERIOR 1/2" WAFER BOARD AND STUCCO SYSTEM OR EQUAL, INTERIOR 1/2" GYP. BD., TAPE, SMOOTH TEXTURE, PAINT, COLORS TO MATCH EXISTING.
 - 8" CMU WALL OR POURED IN PLACE CONCRETE WALL. SEE STRUCTURAL PLANS FOR DETAILS. EXTERIOR, STUCCO SYSTEM OR EQUAL. COLORS TO MATCH EXISTING.
 - NEW 2x6 STUD WALL TO BOTTOM OF ROOF. EXTERIOR 1/2" WAFER BOARD AND STUCCO SYSTEM OR EQUAL. INTERIOR 1/2" PLYWOOD, PAINT WHITE. COLOR TO MATCH EXISTING.
 - NEW 2x4 STUD WALL IN FRONT OF CONCRETE WALL. INSULATE WITH R-30 HIGH DENSITY FOAM INSULATION. (1) 2.5" GEN FLEX TAPERED ISO OR EQUAL. 1/2" GYP. BD., TAPE, SMOOTH TEXTURE, PAINT WHITE, COLORS TO MATCH EXISTING.

DOOR SCHEDULE

NO.	TYPE	SIZE	MAT.	THK.	FRAME MAT.	THK.	HOUR NO.	COMMENTS
1	-	FR 3'-0" x 1'-0"	METAL/INSULATED	1 3/4"	MT	6 7/8"	1	FIT TO EXISTING WALL
2	-	4'-6" x 1'-0"	METAL	N/A	MT	6 7/8"	2	ROLLUP DOOR
3	-	4'-0" x 1'-0"	METAL/INSULATED	1 3/4"	MT	10 1/8"	3	EXTERIOR

HARDWARE GROUPS

1. PRIVACY LATCH LOCK, 3 HEAVY DUTY HINGES, SURFACE BOLT, AUTOMATIC CLOSER, NO THRESHOLD.
2. OVERHEAD DOOR HARDWARE. ELECTRIC W/ OUTSIDE MANUAL OVERRIDE.
3. UNICAN 5 BOTTOM COMBINATION W/ KEY BYPASS, 3 HEAVY DUTY HINGES, FLUSH BOLT, THRESHOLD, WEATHERSTRIP.

ROOM/FINISH SCHEDULE

NUMBER	NAME	FLOOR	CEILING	WALLS	BASE
101	A9EP6 EXTENSION 1	1	3	6	7
102	LN2 STORAGE	2	4	5	-
103	A9EP6 EXTENSION 2	1	3	6	7

NOTE DESCRIPTION

1. CONCRETE SMOOTH SURFACE, PAINT LIGHT GREY AND SEAL.
2. CONCRETE W/ TRACTION GRIP SURFACE, SEALED.
3. 5/8" GYPSUM BOARD - TEXTURE SMOOTH DUST FREE, PAINT WHITE.
4. NO CEILING, EXPOSED BEAMS.
5. 1/2" PLYWOOD PAINTED WHITE (EXTERIOR PAINT)
6. 5/8" GYPSUM BOARD - TEXTURE SMOOTH DUST FREE, PAINT WHITE.
7. VINYL BASE

- ### GENERAL NOTES
1. VERIFY LOCATION OF ALL UTILITIES ON SITE.
 2. BUILDING DESIGNED IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE AND OTHER COUNTY REQUIREMENTS. ALL WORK TO MEET APPLICABLE STANDARDS.
 3. PLANS ARE PROVIDED FOR THE PURPOSE OF NEGOTIATED CONSTRUCTION WITH A SELECTED GENERAL CONTRACTOR AND MAY CONTAIN OMISSIONS AND INCONSISTENCIES. THE CONTRACTOR IS RESPONSIBLE FOR FINDING AND CORRECTING PROBLEMS.
 4. VERIFY ALL DIMENSIONS OF EXISTING BUILDING ON SITE. ALL DIMENSIONS SHOWN ON PLAN, NEW TO EXISTING, HAVE TO BE VERIFIED. THE ARCHITECT SHALL BE NOTIFIED IF THERE ARE LARGE DISCREPANCIES BETWEEN EXISTING AND DRAWINGS.
 4. DIMENSIONS SHOWN ARE TO THE FACE OF STUDS NOT FINISH.

BLDG. CODE ANALYSIS

OCCUPANCY CLASSIFICATION: S-2

GROSS BUILDING AREA: 716 sqft

S-2 = 716 sqft x 1/300 = 2.4

APPROX. OCCUPANT LOAD = 2

TYPE OF CONSTRUCTION: TYPE VB

MAX. ALLOWABLE AREA: 13,500 sqft

MINIMUM EGRESS REQUIRED 1

PLUMBING FIXTURE

EXPANSION IS OF EQUIPMENT ROOMS ONLY. THEREFORE THEY ARE NOT REQUIRED TO BE ACCESSIBLE, SEE IBC 1103.2.3. EXISTING BATHROOM, WITH ONE WATER CLOSET AND SINK IS ADEQUATE.



APACHE POINT
OBSERVATORY
SSSS BLDG EXPANSION

PREPARED FOR
ASTROPHYSICAL
RESEARCH CONSORTIUM
SUNSPOT
NEW MEXICO

DATE	PHASE
7/13/07	PERMIT

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FLOOR PLAN

SCALE: 1/4" = 1'-0"