

SUBMITTAL SCOPE:

PLANS ARE HEREIN SUBMITTED TO PROVIDE A VISUAL LAYOUT & DESCRIPTION OF EXIST'G BUILDING CONDITIONS IN ORDER TO CONTINUE THE PREVIOUS 'A-3' USE & OCCUPANCY AS A COMMUNITY CENTER IN LIEU OF THE PREVIOUS LIBRARY DESIGNATION. AS SUCH & PURSUANT TO OBC SECTION 110.2, SAID PLANS ARE TO ACCOMPANY OWNER'S APPLICATION & REQUEST FOR AN OCCUPANCY PERMIT IN ACCORDANCE WITH STATE & LOCAL CODES, REGULATIONS & REQUIREMENTS.

CALEDONIA COMMUNITY CENTER

(A-3 LIBRARY USE TO A-3 COMM. CTR.)

960 Caledonia Avenue

Cleveland Hts., Ohio 44118

FOR

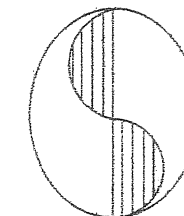
MRS. JOYCE DIXON

18200 Van Aken Blvd.

Shaker Hts., Ohio 44122

DATE

MARCH, 2012



CALVIN SINGLETON & ASSOCIATES

ARCHITECTS • PLANNERS

13426 Cedar Rd. - Cleve. Hts., OH 44118

CSA PROJECT NO. 12999M2

DRAWING INDEX

COVER/TITLE SHEET

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CALEDONIA COMMUNITY CENTER BUILDING & CODE DATA ASSESSMENT

USE & OCCUPANCY CLASSIFICATION:

A-3: COMMUNITY CENTER
BUILDING CONSTRUCTION TYPE - III-B
CONSTRUCTION: MASONRY EXTERIOR; CONCRETE, WOOD, & STEEL INTERIOR
FIRE SUPPRESSION: NON-SPRINKLED

EXISTING FACILITY SQUARE FOOTAGE ANALYSIS:

LOWER LEVEL = 3,930 GSF
FIRST FLOOR = 3,930 GSF
TOTAL BUILDING AREA = 7,860 GSF
ALLOWABLE AREA PER FL (OBC TBL. 503 + FRNT'G INCR.):
55'/2-ST/9,500 SF + FRONTAGE INCR. (9,500 x .50) =
9,500 + 4,750 FOR TOTAL OF 14,250 SF/FL

FACILITY OCCUPANCY ANALYSIS (OBC TBL 1004.1.1):

(NOTE: COMMUNITY CTR SPACE IS BEING ASSESSED BASED ON 3 USES- 1) RECREATION (GAMES, DANCE, EXERCISE), 2) SOCIAL (CLUB, MEET'G, CULTURAL) & 3) EDUCATIONAL (LIBRARY, TUTORIAL, CLASSES) - THE MULTIPURPOSE RMS PRIMARY USES ARE IN THE AREAS OF (1) & (2) & THE ACTIVITY RMS PRIMARY USES ARE IN THE AREAS OF (2) & (3) WITH POSSIBLE ADDED GAMES & DANCE USES)

PURSUANT TO OBC STANDARDS FOR A-3 USE & OCCUP. CLASSIFICATION, OCCUPANCY WAS EVALUATED BASED ON 4 EXISTING CONSTRAINTS: 1) OBC TBL 1004.1.1 MAX. TABULAR OCCUPANCY, 2) OBC 1005.1 STAIR/DOOR WIDTHS, 3) OBC 903.2 & 907.2 MAX. OCCUP. W/O FIRE SUPPRESSION &/OR DETECTION, & 4) OBC 2902.1 OCCUP. PER PLUMB'G FIXTURE ALLOWANCE. THE FOLLOWING REPRESENTS THE MAX. OCCUP. PER RESPECTIVE CONSTRAINT:

1) TABULAR S.F. ANALYSIS -

LOWER LEVEL: ACTIVITY RM 'A' = 600SF/5 = 120 P.
ACTIVITY RM 'B' = 740SF/5 = 148 P.
LIBRARY STACK = 540SF/100 = 5 P.
LIBRARY READ'G = 174SF/50 = 3 P.
MECH/ELECT = 395/300 = 1 P.
TOTAL L.L. OCCUP. = 277 PEOPLE

1ST FLOOR: MULTIP. RM. 'A' = 1730SF/5 = 346 P.
MULTIP. RM. 'B' = 1020SF/5 = 204 P.
STAFF/RECEPT. = 190/100 = 2 P.
STAFF RM. = 132/100 = 1 P.
TOTAL 1ST FL. OCCUP. = 553 PEOPLE

TOTAL TAB. OCCUPANCY = 830 PEOPLE

2) STAIR/DOOR WIDTH ANALYSIS -

LOWER LEVEL: STAIRS = (49"/.3) + (44"/.3) =
163 + 147 = 310 PEOPLE
DOORS = (32"/.2) + (36"/.2) =
160 + 180 = 340 PEOPLE
(USE MOST RESTRICTIVE - 310 P.)

1ST FLOOR: STAIR = (54"/.3) = 180 P. (ASSUME
1/2 FL. OCCUP. EXIT THROUGH STAIR, TOT.
OCCUPANCY = 180 x 2 = 360 PEOPLE)
DOORS = (36"/.2) x 2 = 180 x 2 = 360 P.
(DOOR & STAIR SAME - 360 P.)

TOTAL ST/DR OCCUPANCY = 670 PEOPLE

3) FIRE SUPPRESSION/DETECTION ANALYSIS -
LOWER LEVEL: 299 PEOPLE/FIRE AREA
1ST FLOOR: 299 PEOPLE/FIRE AREA

TOTAL FIRE SUP/DET'N OCCUPANCY = 598 PEOPLE

4) OCCUPANCY/PLUMB'G FIXTURE ANALYSIS -
MALE W/C = 125P/WC x 2 = 250
FEMALE W/C = 65P/WC x 1 = 65
URINAL = (125P/WC)(.67) x 1 = 83

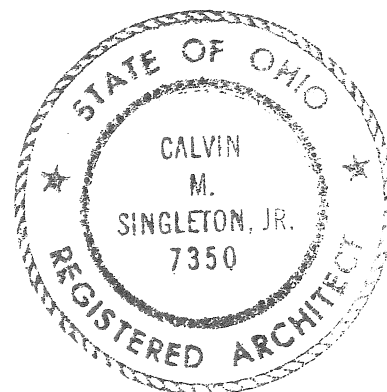
TOTAL OCC/PLUMB'G FIXT = 398 PEOPLE

BASED ON THE MOST STRINGENT CONSTRAINT, MAX. BLDG. OCCUPANCY HAS BEEN EVALUATED RELATIVE TO PLUMB'G FIXTURES. AS SUCH, SAID OCCUP. SHALL BE PROPORTION-ATELY DISTRIBUTED BY PERCENT OF SQUARE FOOTAGE W/ ALL ASSEMBLY AREAS HAVING MAXIMUM OCCUP. POSTED IN ACCORDANCE WITH OBC 1004.3 AS FOLLOWS (NOTE: THE 398 OCCUPANTS HAVE BEEN REDUCED BY 12, ALLOW'G FOR LIBRARY, STAFF, RECEPTION & M/E OCCUPANCY):

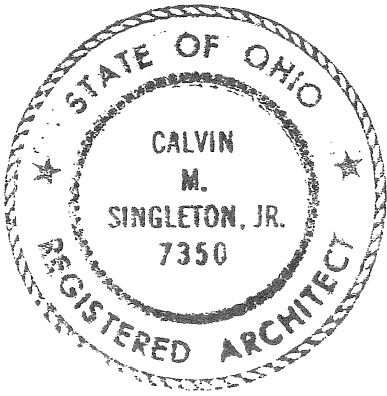
LOWER LEVEL: ACTIVITY RM 'A' = 386(.15) = 58 P.
ACTIVITY RM 'B' = 386(.18) = 69 P.
LIB. STACK = 548/100 = 5 P.
LIB. READ'G = 174/50 = 3 P.
MECH/ELECT = 395/300 = 1 P.
TOTAL LOWER LEVEL OCCUPANCY = 136 PEOPLE

1ST FLOOR: MULTIP. RM 'A' = 386(.42) = 162 P.
MULTIP. RM 'B' = 386(.25) = 97 P.
STAFF/RECEPT'N = 190/100 = 2 P.
STAFF RM. = 132/100 = 1 P.
TOTAL 1ST FLOOR OCCUPANCY = 262 PEOPLE

TOTAL BUILDING OCCUPANCY = 398 PEOPLE



- NOTES: 1) FIELD VERIFY ALL EXIST'G CONDITIONS; NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CONFORMANCE WITH CODE OR OTHER RESTRICTIONS
- 2) ALL FURNITURE, EQUIPMENT & SEATING BY OWNER & NOT INCLUDED IN CONTRACT
- 3) ALL DOORS DRAWN AT 45 DEGREE'S ARE EXISTING TO REMAIN
- 4) ALL SUSPENDED CL'GS, LT. FIXTURES & RECEPTACLES ARE EXIST'G TO REMAIN AS IS, UNLESS NOTED OTHERWISE (U.N.O.)
- 5) PROVIDE & INSTALL A KNOX BOX W/ PROPER KEYS AS DIRECTED BY THE FIRE DEPT.

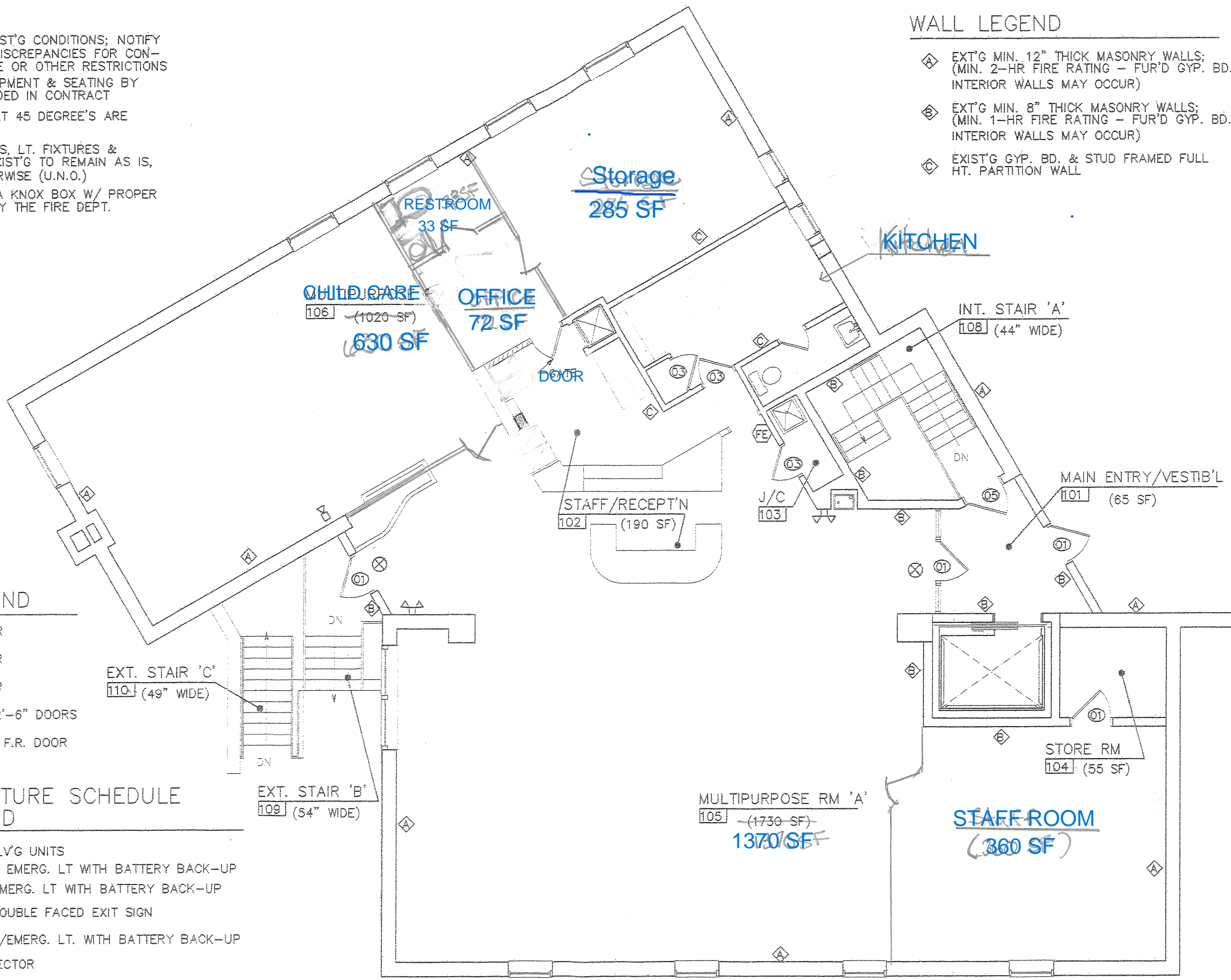


DOOR WIDTH LEGEND

- 01 = 3'-0" WIDE MAN DOOR
- 02 = 2'-8" WIDE MAN DOOR
- 03 = 2'-6" WIDE MAN DOOR
- 04 = 5'-0" WIDE PAIR OF 2'-6" DOORS
- 05 = 3'-0" WIDE MIN 1-HR F.R. DOOR

FURNITURE & FIXTURE SCHEDULE & SYMBOL LEGEND

- EXIST'G 6' HIGH SHELV'G UNITS
- EXIST'G SINGLE HEAD EMERG. LT WITH BATTERY BACK-UP
- EXIST'G DB'L HEAD EMERG. LT WITH BATTERY BACK-UP
- EXIST'G SINGLE OR DOUBLE FACED EXIT SIGN
- EXIST'G COMBO. EXIT/EMERG. LT. WITH BATTERY BACK-UP
- EXISTING SMOKE DETECTOR
- EXIST'G FIRE EXTINGUISHERS (LOCATE &/OR RELOCATE PER FIRE CHIEF'S DIRECTIONS)
- MANUAL FIRE ALARM PULL STATION

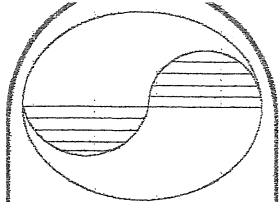
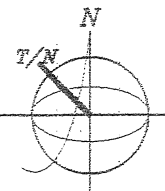


WALL LEGEND

- EXT'G MIN. 12" THICK MASONRY WALLS; (MIN. 2-HR FIRE RATING - FUR'D GYP. BD. INTERIOR WALLS MAY OCCUR)
- EXT'G MIN. 8" THICK MASONRY WALLS; (MIN. 1-HR FIRE RATING - FUR'D GYP. BD. INTERIOR WALLS MAY OCCUR)
- EXIST'G GYP. BD. & STUD FRAMED FULL HT. PARTITION WALL

1ST FLOOR PLAN

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



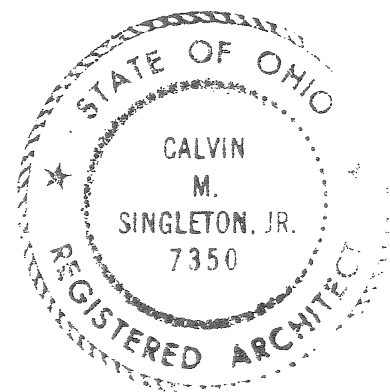
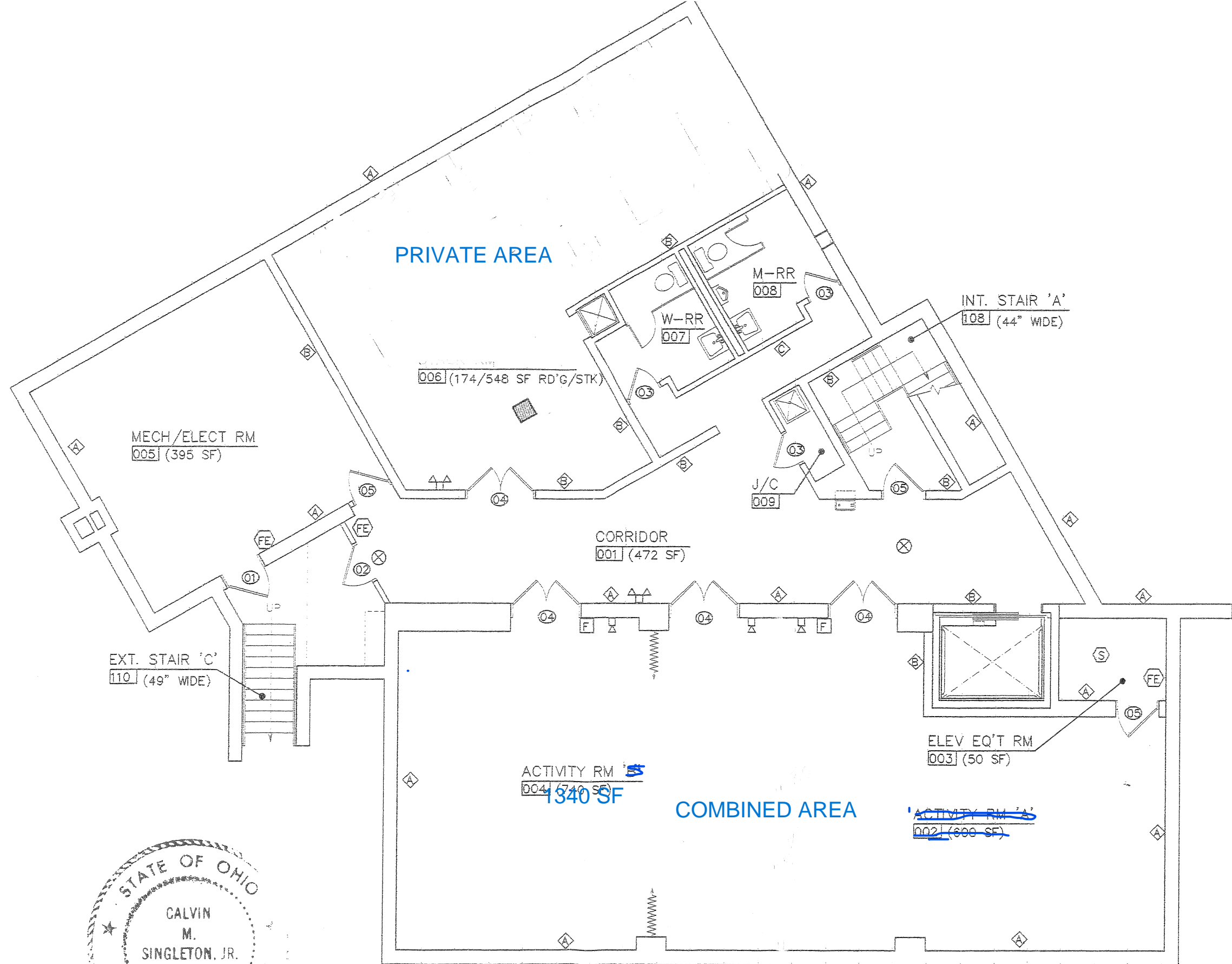
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LOWER LEVEL PLAN
CALEDONIA COMM. CT'R.
EXIST'G. CONDITIONS DOCT.
FOR
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Cleveland Hts., OH 44118

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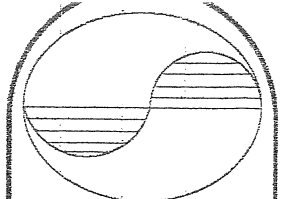
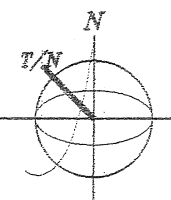
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PROJECT NO. 12999M2
DATE 03-14-12
A 1



LOWER LEVEL PLAN

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



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CALEDONIA COMM. CTR.
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