

Chris,

Attached are the proposed changes from CHANGE ORDER PROPOSAL REQUEST 2019-05-10, and our comments and some earlier changes on your list of Questions/Items for Sean dated 4/25/19, that we wanted to clarify. On the items noted with an asterisk\* we changed the drawings and/or notes to reflect these changes. Some of the items did not warrant a change to the drawings. Please let us know if you have any other changes or corrections. Thanks, Gary.

RE: CHANGE ORDER PROPOSAL REQUEST #1 5/10/19

MARTIN LUTHER EVANGELICAL LUTHERAN CHURCH – RESPONSES FROM GARY BORROR – ARCH.

1. \* Lower Level Bathroom Lighting  
Add (1) 2x4 drop-in fixture in the center of the ceiling and a valence fixture over vanity  
--(See A1-3e, basement electrical plan and electrical keynotes #23 and #33, for changes)
2. \* Additional Emergency Lighting  
Replace emergency lighting fixtures for all locations not covered by drawings.  
--(See A1-3e, electrical keynotes #7 and #8 corrected to show REPLACE existing fixtures)
3. Additional Sanctuary Lighting  
Increase lighting at altar/chancel  
--(We did not change on drawings) (contractor change)
4. Exterior Lighting Modifications  
Replacing flood lights, dusk to dawn sensors, etc.  
--(We did not change on drawings) (contractor change)
5. \* Fellowship Hall Ceiling Fans  
Remove ceiling fan near storage closets  
--(See A1-3e, garden level electrical plan, 4<sup>th</sup> ceiling fan removed from dwg)
6. \* Fellowship Hall Storage Closet Ceilings  
Remove corridor ceiling between storage rooms in Fellowship Hall, keep ceilings in storage rms per plans, ceiling height in closets is to be 8 '  
--(See A1-2, removed hall ceiling between storage rooms on plan, kept ceilings as noted on plans in storage rooms – note: these ceilings are not intended for human load)
7. \* Fellowship Hall Doorway  
Open doorway up to ceiling, removing headers, side framing, leaving only req. wall for existing columns and electric conduit/switches, wrap kitchen counter around remaining structure.  
--(See A1-2 and attached plan & sketch, Exhibit X and X1, and detail N on A4-0 for changes.  
Remove all non-structural framing to the left and right of existing entry. Make height of new opening even with bulkheads at kitchen and wrap counter around corner of remaining structure. (see drawings and attached Exhibits X,X1)
8. \* Exterior/Interior Painting  
Remove all exterior painting from plans  
--( exterior painting is not noted on plans so no change to drawings)  
Add to scope of interior painting: Sacristy, Vestry, and walls in both basement stairs  
--(See A1-1 and A1-2 Room Finish Schedule, Garden Level, Rm #111 Sanctuary – added Sacristy and Vestry to this line for note 51 – PAINT. Also on Basement Level on Rm Finish Schedule we added Rm #15 for North Basement Stairs and #16 for South Basement Stairs and indicated note 51 – PAINT for both of these)

9. Removal of Wall Mounted AC/Heat Units

Remove wall mounted units in Nursery and Breezeway walls, patch and repair.

--(We did not change on drawings) (contractor change)

10. \* Lower Level Kitchen Scope

Relocate hot water heater to below the stairs – CHANGED PER CALL TO CHRIS 5/21/19

Rotate drinking fountain to along wall opposite restroom in line with kitchen cabinets

Install upper and lower cabinets in “L” shaped opening from drinking fountains to refrigerator

--(See A1-1 keynote 23 and basement bathroom area drawing – water heater to remain in men's bathroom area in closet. – note: hot water heater note on drawings showed floor drain or drain pan under hot water heater. We contacted St. Louis County Mech. Review, they require a floor drain in the same room within 15 ft of the hot water heater or it can be placed up over a mop sink so it could drain into the mop sink. Adding a floor drain in the closet could be expensive. If you use one sink in the men's restroom you could keep the water heater basically where it is now, in a closet by the sink. A floor drain is required in the bathroom, there is one there now. So the hot water heater would then be in the same room and within 15 ft of a floor drain.) - Adjust plumbing as required.

( The closet ceiling under the stairs & walls need 5/8” fire-rate type X gyp brd per note 25 for fire separation for an enclosure under the stairs. Original existing drawings indicate 5/8” Type X gyp on both sides of stair walls – not sure if the closet was built this way. If not, it would be prudent to add type X to both walls and ceiling in the closet )

--(See A1-1 keynote 24 and basement kitchen area drawing – kitchen layout changed per sketch provided, water fountains moved in line with kitchen cabinets, see dwgs)

11. \* Interior Doors

Substitute 1 3/4” doors for 1 3/8” doors. Substitute painted hollow metal frames for wood pre-hung frames.

--(See A0-2 Specifications, New Doors, Other Interior Doors: change specifications for “other interior doors” to 1 3/4” thick and painted hollow metal frames)

12. \* Note #34 on Redwood – remove from plans, to be drywall

--(See A1-2 keynotes item #34 on keynotes changed to drywall, not redwood for the storage closets at Fellowship Hall)

13. \* Location of Tile/Carpet

Update plans to include LVT flooring in Breezeway (Anteroom) and entry area of Fellowship Hall.

--(See A1-2 Room Finish Schedule, Garden Level, updated to reflect flooring changes to: note 48 – LVT vinyl tile with 49-vinyl cove base for flooring in Anteroom, hall, Gathering area, Work area, and an entry area in Fellowship Hall. Carpet remains in the Pastor's Office, Nursery, and rest of Fellowship Hall. Note added to drawing on A1-2 to show where LVT tile added to Fellowship Hall entry area.)

14. Provide Accessible Port-A-John during Construction

--(We did not note on drawings) (contractor change)

15. Thermostats

Remove existing thermostats on walls to be removed

--(We did not note on drawings) (contractor change)



**16. \* Enlarge Breezeway Entrance North Door**

Remove existing door, frame, hardware, and enlarge opening. Provide new lintel and new column to support lintel. Install new 3'-6" x 7'-0" insulated hollow metal door and frame. Key new door to match existing key sets. Include 4-heavy duty hinges, rum exit device with lever trim, threshold, sweep, rain-cap, weather-stripping. Patch walls and ceiling after demo/installation

--(See A1-2 keynote 4 added with above items for replacement door and enlarging opening also new door designated on Door Schedule on A1-2 as "P" and listed on A0-2 Specifications under New Doors, Exterior Replacement Door "P" at Anteroom N. Door)

**ITEMS ON LIST OF 4-25-19 NOT INCLUDED ON CHANGE ORDER PROPOSAL REQUEST LIST OF 5-10-19**

1. Pendant lighting at Prep Kitchen – keep can lights  
--(no change to drawings)
2. \* Upstairs Bathrooms – replace recessed lights over vanities with a light over mirrors  
--(See A1-3e new restrooms and electrical keynote 33, can lights replaced with valence)
5. \* New power outlet at peak in Fellowship Hall where 4<sup>th</sup> ceiling fan to be removed  
--(See A1-3e fellowship hall drawing and electrical keynote 34, new power outlet for future projector – V.O.- added this change)
7. 1<sup>st</sup> floor restrooms – wall mounted exhaust fan or soffit over toilets & air return location  
--(We did not change drawings) (Contractor information)
9. Fire Line Backflow Preventer  
--(no change to drawings)
10. Additional cooling for lower level  
--(no change to drawings)
11. Tank toilets OK  
--(no change to drawings)
16. \* Patch at Narthex and Sanctuary Lighting Replacement  
--(See A1-3e keynote #27 replace light fixtures in Sanctuary Side Aisles & Narthex. See A1-3e drawing for Narthex and Sanctuary, recessed lights changed to just lights and note changed to "replace existing recessed light fixtures".)

**ITEM FROM 4-22-19 EMAIL TO SEAN ON BASEMENT MEN'S RESTROOM**

2. \* Toilet stall accessibility & reverse door swing  
--( We can't reverse the bathroom door swing as we need 18" clear space at the wall to the side of the door handle, back 60", to maneuver a wheelchair to pull the door open. With the vanity counter we can't get the 60" of 18" space, but can get it on other side.  
--(See A1-1 note added at men's bathroom. We checked the dimensions on the existing men's restroom in the basement. The drawings say FV 60". The minimum required distance from the wall behind the toilet forward is 59" for toilet clearance. We measured 57- 1/2". We will have to notch the wall angle for 1-1/2" - there is an existing 2" furred wall there now. You could notch some of the concrete if you have to. )  
NOTE: The expansion of the basement bathroom was based on the premise that the hall has to be 3'-6" minimum width (see drawings). This means we may have to make some adjustment to the classroom if that becomes an issue. There is a column at the corner of classroom #1.

drop ceiling

enlarged entry

new bulkhead

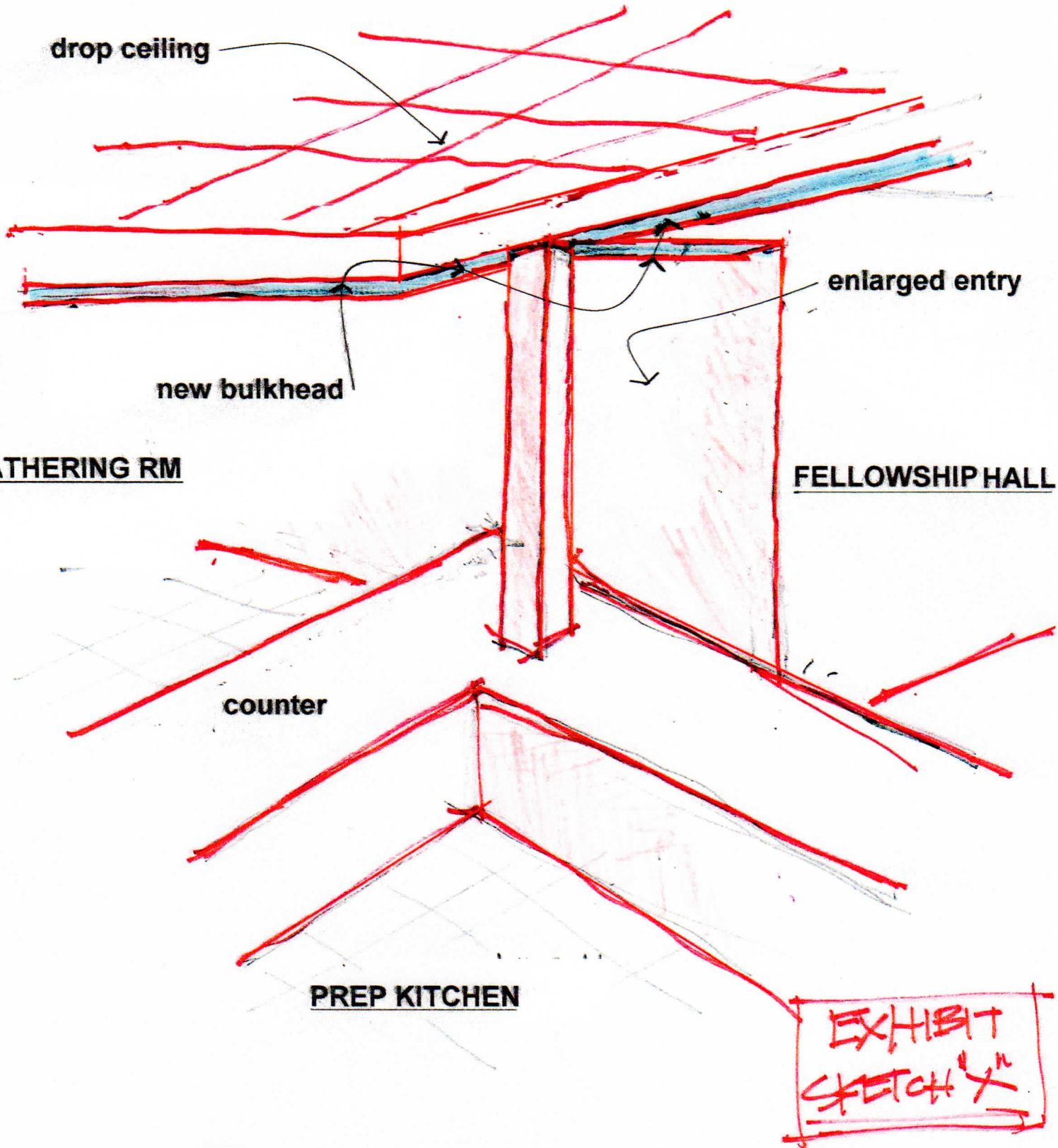
GATHERING RM

FELLOWSHIP HALL

counter

PREP KITCHEN

EXHIBIT  
SKETCH #1



03

104

coffee station

VM.  
60" min

24

12

13

241

new  
prep kitchen

D  
A1-2

elev's

dv

ret

B

A4-0

21

drop clg

exsiting  
mop

start pt  
at door edge

5'  
CLEAR

mech

113

N  
A4-0

五、六、七、八、九、十、十一、十二

ELIMINATE FLOCKING  
~~MINIMISE~~ & NON  
STRUCT FORM  
AS POSSIBLE

patch

header  
match bm depth-VO.

new false lintel  
for new opening  
match bottom depth



code box:

CODE BOX – 2009 IEBC, 2009 IBC FOR ST. LOUIS COUNTY, 2015 IBC FOR MEHLVILLE FIRE DISTRICT

PROJECT SCOPE - MISCELLANEOUS IMPROVEMENTS/REMODEL TO EXISTING BUILDING:  
MAIN LEVEL: NEW BATHROOMS  
NEW KITCHEN  
REPLACE LIGHT FIXTURES IN SANCTUARY AND NARTHEX  
ADD SMOKE DETECTION TO SANCTUARY, SACRISTY, VESTRY, AND STAIR  
PAINT SANCTUARY, NARTHEX, AND ALL WOOD FASCIA AND SOFFITS ON BUILDING EXTERIOR  
BASEMENT LEVEL: NEW CLASSROOMS  
REMODEL BATHROOMS AND KITCHEN

USE GROUP DESIGNATION- A3 ASSEMBLY (CHURCH)

TYPE OF CONSTRUCTION – 5B

BUILDING FOOTPRINT AREA – 7433 SF +/-  
BUILDING TOTAL AREA – 11,886 SF +/-  
HEIGHT – 1 STORY  
BUILDING AREA – REMODEL – LEVEL 2 ALTERATIONS – 5458 SF +/-  
(LESS THAN 50% OF AGGREGATE AREA OF ENTIRE BUILDING)

SPRINKLER SUPPRESSION & EXITS - 3 FIRE AREAS  
1. 1969 BUILDING (FELLOWSHIP HALL & OFFICE AREAS) & (1980) ANTEROOM 3400 SF +/-  
2 HOUR FIRE BARRIER BETWEEN ANTEROOM AND NARTHEX  
NOT SPRINKLERED, 3 EXITS  
2. 1980 BUILDING ADDITION (BASEMENT & NARTHEX) 4939 SF +/-  
2 HOUR FIRE BARRIER BETWEEN NARTHEX AND ANTEROOM  
SPRINKLER WATER CURTAIN BETWEEN NARTHEX AND SANCTUARY ALONG NARTHEX SIDE OF PARTITION WALL. BASEMENT AND NARTHEX ARE SPRINKLERED, 2 EXITS FROM BASEMENT (SPRINKLERED), 2 EXITS NARTHEX  
3. 1980 BUILDING ADDITION (SANCTUARY) 3600 SF +/-  
SPRINKLER WATER CURTAIN BETWEEN SANCTUARY AND NARTHEX  
2 HOUR FIRE BARRIER BETWEEN SANCTUARY AND BASEMENT – 3" CONCRETE SLAB OVER METAL DECK ON LONG SPAN STEEL JOISTS (WE DON'T THINK THE STEEL JOISTS ARE FIRE -WRAPPED) NOT SPRINKLERED, 4 EXITS

CORRIDOR – CLASSROOM AREA IN BASEMENT REMODEL – THIS CORRIDOR IS NOT REQUIRED TO BE FIRE-RESISTANT RATED: IEBC 2009 704.1.1 -WHERE AN APPROVED AUTOMATIC SPRINKLER SYSTEM IS INSTALLED THROUGHOUT THE STORY, THE REQUIRED FIRE-RESISTANCE RATING FOR ANY CORRIDOR LOCATED ON THE STORY SHALL BE PERMITTED TO BE REDUCED IN ACCORDANCE WITH THE IBC. IN ORDER TO BE CONSIDERED FOR A CORRIDOR RATING REDUCTION, SUCH SYSTEM SHALL PROVIDE COVERAGE FOR THE STAIRWELL LANDINGS SERVING THE FLOOR AND THE INTERMEDIATE LANDINGS IMMEDIATELY BELOW. IBC 2009 TABLE 1018.1: ASSEMBLY OCCUPANCY, OCCUPANT LOAD OVER 30, WITH SPRINKLER SYSTEM – 0 REQUIRED FIRE-RESISTANCE RATING FOR CORRIDOR

date issued: 8/27/18

BID: 8/27/18

PERMIT:

CONTR.:

revision:

REV-1 5/23/19

scope:

MISCELLANEOUS IMPROVEMENTS

project/owner:

Martin Luther Ev. Lutheran Church  
10151 Sappington Rd  
Sunset Hills, MO

date sealed: 2/19/19  
5/23/19

project code:

dir:

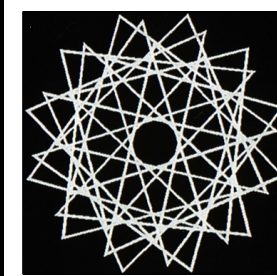
file:

pkgs:

frz:

drawing title:

COVER



GCLINTON BORROR  
ARCHITECT/PLANNER  
AND ASSOCIATES  
636 938 9807

sheet: ONE of 8

A0-0

symbols:

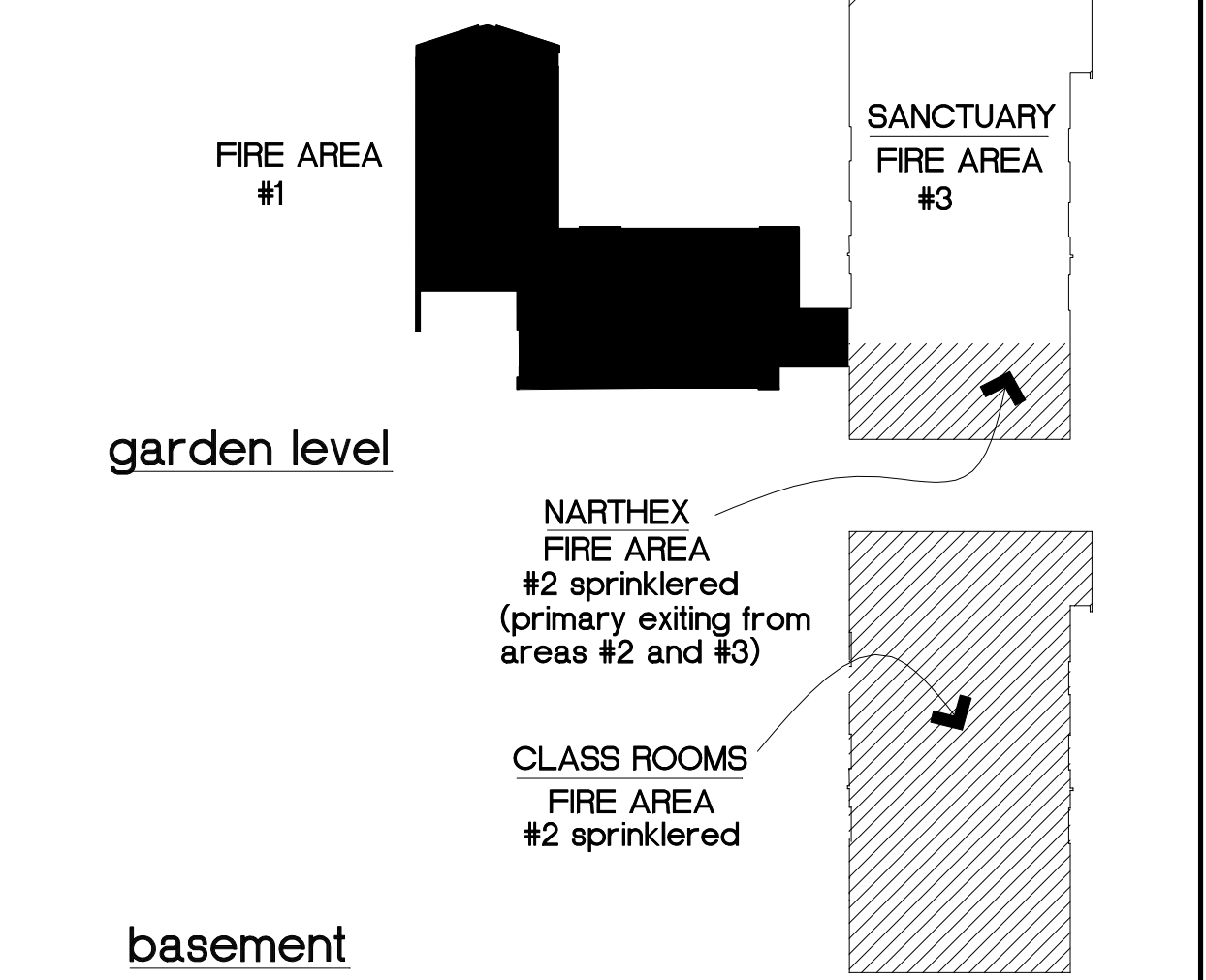
- REVISION CHANGE
- 36" DOOR
- SEE DETAIL 2A ON SHT 2A
- SEE ELEV TB ON SHT 7
- REFERENCE POINT
- SEE KEYNOTE UNDER CONCRETE
- SEE KEYNOTE UNDER CARP. & MISC.
- RECEPTACLE
- 220 RECEPTACLE
- GROUND-FAULT CIRCUIT RECEPT
- QUAD RECEPTACLE
- SWITCH
- 3 WAY SWITCH
- COMBINATION
- 2'x2' RECESSED FLUORESCENT FIXTURE W/ PARABOLIC LENS
- 2'x2' RECESSED FLUORESCENT FIXTURE
- RECESSED LIGHT
- EMERGENCY LIGHT
- ILLUMINATED EXIT LIGHT
- COMBO: EMERG LT & EXIT LT
- FAN
- SMOKE DETECTOR
- TV JACK
- PHONE JACK
- DOOR SPEAKER
- INTERCOM
- BATHVENT
- 4 WAY SWITCH
- LIGHT
- PULL CORD
- ACOUSTICAL DROP-IN
- VINYL DROP-IN

index:

A0-0 (SHT 1)  
COPY OF SITE PLAN FROM 1980 FOR REFERENCE (PROVIDED BY THE OWNER)  
- CODE BOX & FIREAREAS DIAGRAM  
- SPECIAL NOTES  
- SYMBOLS  
- AERIALS OF EXISTG SITE  
A0-1 (SHT 2)  
- GENERAL SPECIFICATIONS & SCHEDULES  
A0-2 (SHT 3)  
- GENERAL SPECIFICATIONS & SCHEDULES  
A1-0 (SHT 4)  
- OVERALL EXISTG FLOOR/DEMO PLANS W/REMODELING KEYNOTES AND NEW WORK @ SANCTUARY BLDG  
A1-1 (SHT 5)  
PROPOSED PLAN OF NEW BASEMENT CLASS ROOMS W/REMODELING KEYNOTES  
A1-2 (SHT 6)  
PROPOSED PLAN OF FELLOWSHIP HALL AND GATHERING AREA W/REMODELING KEYNOTES  
A1-3a (SHT 7)  
- REFLECTED GLG PLAN & ELECTRICAL NEEDS DATA  
W/ELECTRICAL AND FIRE EXITS/ALARM KEYNOTES  
A4-0 (SHT 8)  
- MISCELLANEOUS DTLS  
A4-2 (SHT 9)  
- DEMO BRACING  
ELIMINATED  
NOTE:  
THESE DRAWINGS, EVEN IF SEALED, ARE SUBJECT TO PERMIT REVIEW AND CHANGES AS REQUIRED BY THE GOVERNING MUNICIPALITY'S INTERPRETATION OF THE CODE. THESE ARE PROPOSAL DRAWINGS AND ARE NOT TO BE USED FOR CONSTRUCTION UNTIL APPROVED FOR PERMIT.

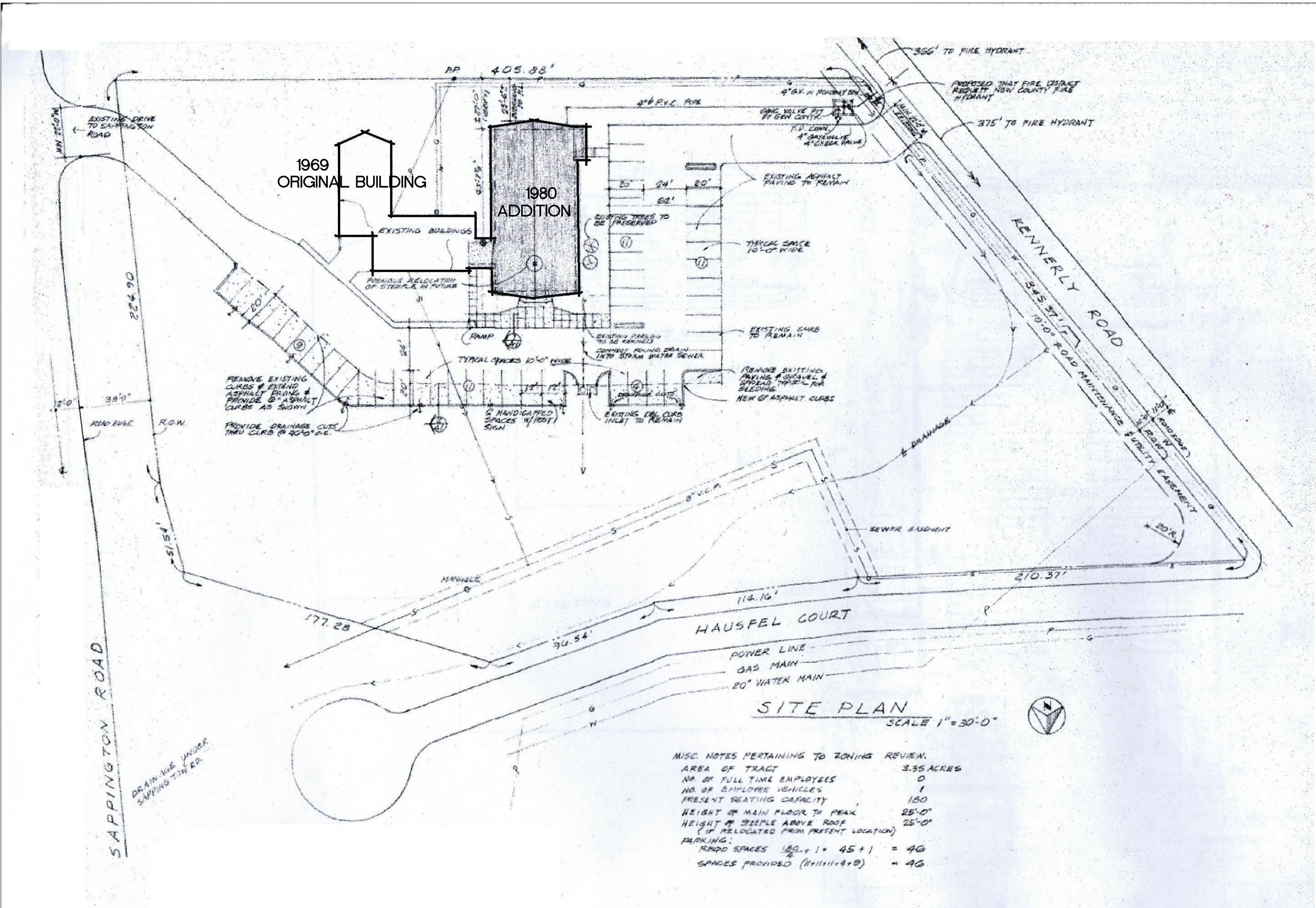
NOTE: ELECTRICAL, PLUMBING, AND MECHANICAL ARE TO BE DESIGNED AND PERMITTED BY OTHERS. THE ARCHITECT IS NOT RESPONSIBLE FOR ANY ITEMS OF ELECTRICAL, PLUMBING, OR MECHANICAL NATURE. THE ARCHITECT MAY POINT OUT SOME OF THESE ITEMS FOR LOCATION PURPOSES ONLY, BUT ELECTRICAL, PLUMBING, AND MECHANICAL ARE NOT PART OF THE ARCHITECTURAL PERMIT.

fire areas



special notes:

- ABBREVIATIONS:  
ALT. - ALTERNATE BID  
F.V. - FIELD VERIFY  
NC. - NOT IN CONTRACT  
NTS - NOT TO SCALE  
VM. - VERIFY WITH MANUFACTURER  
VO. - VERIFY WITH THE OWNER/CLIENT  
EJ. - EXPANSION JT  
CJ. - CONTROL JOINT  
VA. - VERIFY W/ ARCHITECT
1. THE INFORMATION ON THIS DRAWING IS BASED UPON INFORMATION SUPPLIED BY THE OWNER AND/OR PERCEIVED FIELD CONDITIONS. THE INFORMATION IS ACCURATE TO THE BEST OF OUR ABILITY BUT IN NO WAY IS INTENDED TO IDENTIFY EXACT CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ACTUAL CONDITIONS BEFORE CONSTRUCTION.  
2. DO NOT SCALE DRAWINGS.  
3. GEN CONTRACTOR SHALL VERIFY ALL THE EXISTING CONDITIONS AND DIMENSIONS.
- (unless noted otherwise)
- ADD ALTERNATE WALL
  - NEW PARTITIONS, NEW WORK IMPLIED BY HIGHLIGHTING
  - DROP CEILING GRID
  - SOUND ATTENUATION BATTS, 2" THERMAFIBER OR EQUAL BTWN STUDS & 4" EACH SIDE OF WALL IN CEILING
  - ELEMENTS ABOVE/BELOW IMPLIED BY LARGE DASHED LINEWORK.
  - BEAM CENTER LINES
  - EXISTG PARTITIONS, EXISTG TO REMOVE IMPLIED BY SMALL DASHED LINEWORK.



1980 survey provided by owner  
NO SCALE



GENERAL NOTES: (per 2009 IBC® & 2009 IBC®)

THE INFORMATION ON THIS DRAWING IS BASED UPON INFORMATION SUPPLIED BY THE OWNER AND/OR PERCEIVED FIELD CONDITIONS. THE INFORMATION IS ACCURATE TO THE BEST OF OUR ABILITY BUT IN NO WAY IS INTENDED TO IDENTIFY EXACT CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ACTUAL CONDITIONS BEFORE CONSTRUCTION.

THESE DRAWINGS, EVEN IF SEALED, ARE SUBJECT TO PERMIT REVIEW AND CHANGES AS REQUIRED BY THE GOVERNING MUNICIPALITY'S INTERPRETATION OF THE CODE. THESE ARE PROPOSAL DRAWINGS AND ARE NOT TO BE USED FOR CONSTRUCTION UNTIL APPROVED FOR PERMIT.

IN THESE DRAWINGS THE ARCHITECT HAS ENDEAVORED TO COMPLY WITH EXISTING GOVERNING CODES REGARDING LEAD BASED PAINT & OTHER TOXIC ELEMENTS. HOWEVER, NO REPRESENTATION IS MADE THAT THE PREMISES WILL BE COMPLETELY TOXIC FREE. THE ARCHITECT WILL TAKE NO RESPONSIBILITY FOR INSURING PREMISES ARE TOXIC FREE.

CARPENTRY (ROUGH): GENERAL

I. MAINTAIN ALL EGRESS EXITS FROM BUILDING THROUGH OR AROUND CONSTR. AREA

II. DO NOT STORE MATERIALS IN HALLWAYS OR ANYWHERE OUTSIDE LIMITS OF CONST.

III. CONTRACTOR PROVIDED FACILITIES: DUST PARTITION, CLEAN UP, DUMPSTERS, AND PHONE FOR CONTRACTOR

IV. CONTRACTOR RESPONSIBLE FOR ELECT, MECH, & PLUMBING PERMITS INCLUDING SPECIFICATIONS & DRAWINGS

V. ALL CONTRACTORS TO CARRY INSURANCE HOLDING OWNER HARMLESS FROM DAMAGES FOR WORKMEN'S COMPENSATION & PUBLIC LIABILITY.

VI. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF BOTH LOCAL ORDINANCES AND THE APPLICABLE BUILDING CODES.

VII. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE AND REPORT ANY ERRORS, OMISSIONS, OR POSSIBLE DISCREPANCIES TO THE DESIGN ARCHITECT AND/OR THE OWNER PRIOR TO COMMENCING ANY WORK.

VIII.OPTIONS, IF PROVIDED HEREIN, ARE FOR CONTRACTOR'S CONVENIENCE. HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY, SHALL COORDINATE ALL DETAILS, AND SHALL OBTAIN ALL REQUIRED APPROVALS.

IX. COSTS OF ADDITIONAL DESIGN WORK NECESSITATED BY SELECTION OF AN OPTION OR DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR.

X. IF ANY CONFLICT BETWEEN THESE SPECS AND DRAWINGS OR PERTINENT CODES, CONTACT THE ARCHITECT IMMEDIATELY.

FRAMING

I. NAILING AND FASTENING OF FLOOR, ROOF/CEILING, WALL AND ROOF SHEATHING AND GYPSUM CONSTRUCTION SHALL BE IN ACCORDANCE W/ CODE.

II.

III. THE FOLLOWING LIVE LOADS APPLY (ALL FLOOR FRAMING SHALL BE DESIGNED TO SUPPORT THE FOLLOWING MINIMUMS):  
FLOOR AREAS OTHER THAN SLEEPING ROOMS: L.L. 40LB. PER SQ. FT.  
PSI SUPERIMPOSED DEAD LOADS – ACTUAL WEIGHT OF INDICATED ARCH. FINISHES.

IV. NOTCHING & BORING: IN EXTERIOR WALLS AND BEARING PARTITIONS, NOTCHES IN STUDS SHALL NOT EXCEED 25 PERCENT OF STUD DEPTH. IN NONBEARING PARTITIONS SUPPORTING NO LOADS OTHER THAN THE WEIGHT OF THE PARTITION, NOTCHES SHALL NOT EXCEED 40 PERCENT OF THE WIDTH OF THE STUD. (2308.9.10)

BORED HOLE DIAMETER SHALL NOT EXCEED 40 PERCENT OF STUD WIDTH IN ANY WOOD STUD. BORED HOLES NOT GREATER THAN 60 PERCENT OF THE STUD WIDTH ARE PERMITTED IN NONBEARING PARTITIONS OR IN ANY WALL WHERE EACH BORED STUD IS DOUBLED, PROVIDED NOT OVER TWO SUCH SUCCESSIVE DOUBLED STUDS ARE SO BORED. IN NO CASE SHALL THE EDGE OF THE BORED HOLE BE NEARER THAN 5/8" TO THE EDGE OF THE STUD. BORED HOLES SHALL NOT BE LOCATED IN THE SAME SECTION OF STUD AS A CUT OR NOTCH.

V. ALL LUMBER SHALL BE GRADE MARKED.

BUILDING ELEMENTS

IEBC 703.1- THE REQUIREMENTS OF THIS SECTION ARE LIMITED TO WORK AREAS WHERE LEVEL 2 ALTERATIONS ARE BEING PERFORMED, AND SHALL APPLY BEYOND THE WORK AREA WHERE SPECIFIED.

703.2 – EXISTING VERTICAL OPENINGS SHALL COMPLY WITH THE PROVISIONS OF SECTIONS 703.2.1,703.2.2,AND 703.2.3.

703.2.1 ALL EXISTING INTERIOR VERTICAL OPENINGS CONNECTING TWO OR MORE FLOORS SHALL BE ENCLOSED WITH APPROVED ASSEMBLIES HAVING A FIRE-RESISTANCE RATING OF NOT LESS THAN 1 HOUR WITH APPROVED OPENING PROTECTIVES.

EXCEPTIONS: 1. WHERE VERTICAL OPENING ENCLOSURE IS NOT REQUIRED BY THE IBC OR IFC.

2. INTERIOR VERTICAL OPENINGS OTHER THAN STAIRWAYS MAY BE BLOCKED AT THE FLOOR AND CEILING OF THE WORK AREA BY INSTALLATION OF NOT LESS THAN 2 INCHES OF SOLID WOOD OR EQUIVALENT CONSTRUCTION.

3. IN GROUP A OCCUPANCIES, A MINIMUM 30-MINUTE ENCLOSURE SHALL BE PROVIDED TO PROTECT ALL VERTICAL OPENINGS NOT EXCEEDING THREE STORIES.

703.2.2 WHERE THE WORK AREA ON ANY FLOOR EXCEEDS 50 PERCENT OF THAT FLOOR AREA, THE ENCLOSURE REQUIREMENTS OF SECTION 703.2 SHALL APPLY TO VERTICAL OPENINGS OTHER THAN STAIRWAYS THROUGHOUT THE FLOOR.

EXCEPTION: VERTICAL OPENINGS LOCATED IN TENANT SPACES THAT ARE ENTIRELY OUTSIDE THE WORK AREA.

703.2.3 WHERE THE WORK AREA ON ANY FLOOR EXCEEDS 50 PERCENT OF THAT FLOOR AREA, STAIRWAYS THAT ARE PART OF THE MEANS OF EGRESS SERVING THE WORK AREA SHALL, AT A MINIMUM BE ENCLOSED WITH SMOKE-TIGHT CONSTRUCTION ON THE HIGHEST WORK AREA FLOOR AND ALL FLOORS BELOW.

EXCEPTION: WHERE STAIRWAY ENCLOSURE IS NOT REQUIRED BY THE IBC OR IFC.

DEMOLITION/ABATEMENT OF EXISTING ASBESTOS FLOORING TO BE DONE BY ABATEMENT CONTRACTOR (SEPARATE CONTRACT – BY OTHERS) PRIOR TO BEGINNING THIS DEMOLITION. ONCE DEMOLITION PROCEEDS PER THESE CONSTRUCTION DOCUMENTS FOR CHURCH REMODEL, AFTER CONTRACTOR REMOVES PARTITIONS, CONTRACTOR IS TO COORDINATE WITH ABATEMENT CONTRACTOR TO SCHEDULE REMOVAL OF REMAINING ASBESTOS FLOORING THAT WAS UNDER PARTITIONS.

FIREBLOCKING

I. 717.1 FIREBLOCKING AND DRAFTSTOPPING SHALL BE INSTALLED IN COMBUSTIBLE CONCEALED LOCATIONS PER THIS SECTION. FIREBLOCKING SHALL COMPLY WITH 717.2. THE PERMITTED USE OF COMBUSTIBLE MATERIALS IN CONCEALED SPACES OF TYPE I OR TYPE II BUILDINGS IS LIMITED TO APPLICATIONS IN 717.5.

717.2 IN COMBUSTIBLE CONSTRUCTION, FIREBLOCKING SHALL BE INSTALLED TO CUT OFF CONCEALED DRAFT OPENINGS VERT. AND HORIZ. AND FORM AN EFFECTIVE BARRIER BETWEEN TOP STORY AND ROOF, OR BETWEEN FLOORS.

- TOP AND BOTTOM OF ALL CONVENTIONAL, DOUBLE STUD, FURRED SPACES, AND STAGGERED STUD FRAME WALLS ARE TO BE FIREBLOCKED VERTICALLY AT THE CEILING AND FLOOR LEVELS AND HORIZONTALLY AT INTERVALS NOT EXCEEDING 10'.

- FIREBLOCKING REQUIRED AT ALL SOFFITS AND DROPPED CEILINGS AND COVE CEILINGS.

- STAIRWAYS IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT TOP AND BOTTOM OF RUN.

- FIREBLOCKING REQUIRED AROUND VENT, PIPE, & DUCT, CABLES & WIRES, PENETRATIONS OF CEILINGS & FLOORS WITH APPROVED MATERIAL.

- CONCEALED SLEEPER SPACES BETWEEN SLAB AND UNDERSIDE OF WOOD FLOORING

DRAFTSTOPPING

I. 717.3 IN COMBUSTIBLE CONSTRUCTION, DRAFTSTOPPING SHALL BE INSTALLED TO SUBDIVIDE FLOOR/CEILING ASSEMBLIES IN THE LOCATIONS DESCRIBED IN 717.3.2 THROUGH 717.3.3.

717.4 IN COMBUSTIBLE CONSTRUCTION, DRAFTSTOPPING SHALL BE INSTALLED TO SUBDIVIDE CONCEALED ROOF SPACES AND ATTIC SPACES...SUCH THAT ANY HORIZONTAL AREA DOES NOT EXCEED 3000 SQ FT.

DRAFTSTOPPING MATERIALS: ½" MIN GYPSUM BOARD, CEMENT FIBERBOARD, BATTS OR BLANKETS OF MINERAL WOOL OR GLASS FIBER OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED.

INTEGRITY OF DRAFTSTOPS SHALL BE MAINTAINED.

ELECTRIC

I.PROVIDE APPROVED EMERGENCY AND EXIT LIGHTS PER CODE. EMERGENCY AND EXIT LIGHTS TO HAVE 90 MIN BATTERY BACKUP. EXIT LIGHTS CLEARLY VISIBLE FROM ANY MEANS OF EGRESS, CLEARLY ILLUMINATED.

EXISTING EXIT/EMERGENCY LIGHTING MAY BE REUSED IF BOTH THE LIGHTS AND BATTERY BACK UP SYSTEM ARE IN GOOD WORKING ORDER.

- TEST!

II. EMERGENCY AND STANDBY POWER SYSTEMS SHALL BE PROVIDED WHERE REQUIRED PER 2702.2.1 - 2702.2.20 IBC INCLUDING EXIT SIGNS AND MEANS OF EGRESS ILLUMINATION.

III. (704.4 IBC) AN APPROVED FIRE ALARM SYSTEM SHALL BE INSTALLED PER 704.4.1 - 704.4.3. AN APPROVED AUTOMATIC FIRE DETECTION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THIS CODE AND NFPA 72. DEVICES, ETC. SHALL BE APPROVED.

THE AUTOMATIC FIRE DETECTORS SHALL BE SMOKE DETECTORS ...

704.4.1 EXISTING ALARM-NOTIFICATION APPLIANCES SHALL BE AUTOMATICALLY ACTIVATED THROUGHOUT THE BUILDING. WHERE THE BUILDING IS NOT EQUIPPED WITH A FIRE ALARM SYSTEM, ALARM-NOTIFICATION APPLIANCES WITHIN THE WORK AREA SHALL BE PROVIDED AND AUTOMATICALLY ACTIVATED.

EXCEPTION: OCCUPANCIES WITH AN EXISTING, PREVIOUSLY APPROVED FIRE ALARM SYSTEM.

IEBC 708.1-ALL NEWLY INSTALLED ELECTRICAL EQUIPMENT AND WIRING RELATING TO WORK DONE IN ANY WORK AREA SHALL COMPLY WITH THE MATERIALS AND METHODS REQUIREMENTS OF CHAPTER 5.

EXCEPTION: ELECTRICAL EQUIPMENT AND WIRING IN NEWLY INSTALLED PARTITIONS AND CEILINGS SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF NFPA 70.

IV. USE GROUND-FAULT CIRCUIT RECEPTACLES WHERE OUTSIDE, NEAR SINKS, IN BATHROOMS, AND IN VICINITY OF WATER.

V. ALL ELECTRICAL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE ELECTRICAL CODE..

VI. V.O. TELEPHONE , DATA OUTLETS AND SPECIAL OUTLETS.

VII. SPECS - ELECTRIC FOR REMODEL

INSTALL AND RE-ROUTE ELECTRIC AS NEEDED IN AREAS AFFECTED BY REMODEL AND OTHER AREAS WHERE ADDITIONAL OUTLETS AND LIGHTING IS TO BE ADDED.

PROVIDE NEW RECEP. AS REQUIRED (SEE A1-1e)

PROVIDE EMERGENCY/EXIT LIGHTS. AS REQUIRED (SEE A1-1e)

CHECK EXIT/EMERGENCY COMBO LIGHT WITH BATTERY BACKUP FOR SAFE WORKING ORDER AND COMPLIANCE WITH APPLICABLE CODE REQUIREMENTS. REPAIR OR REPLACE AS NEEDED.

FIRE EXTINGUISHERS REQUIRED:

-AT EACH STAIRWAY WHERE COMBUSTIBLE MATERIALS HAVE ACCUMULATED

-WHERE COMBUSTIBLE LIQUIDS STORED OR USED

-WITHIN 30' OF COMMERCIAL COOKING EQUIPMENT

-ON EACH FLOOR UNDER CONSTRUCTION

CHECK FOR WORKING FIRE EXTINGUISHERS AT THESE LOCATIONS:

1 FIRE EXTINGUISHER AT EACH BASEMENT STAIR

1 IN JANITOR CLOSET

1 IN MAIN FLOOR KITCHEN

FIRE SAFETY

EXISTING FIRE ALARM AND DETECTION SYSTEMS, EMERGENCY AND EXIT LIGHTING WITH BATTERY BACK-UP, MANUAL FIRE ALARM BOXES, ETC. SHOULD BE FIELD VERIFIED FOR CONFORMANCE WITH PERTINENT CODES. ANY OTHER FIRE PROTECTIONS REQUIRED BY MUNICIPALITY AND PERTINENT CODES SHALL BE PROVIDED.

FINISH AND GYPSUM BOARD

I. GYPSUM BRD INSTALLATION MUST BE IN ACCORDANCE W/ GYPSUM ASSOC. RECOMMENDED PRACTICES: THICKNESS, NAILING, TAPING, AND CORRECT STUD SPACING, FIRERATED TYPES SHALL BE INSTALLED ACCORDING TO TEST ASSEMBLIES AND CODE.

GYPSUM BOARD – TO BE ½" FIRE RATED UNLESS NOTED OTHERWISE.

II. APPROVED WATER RESISTANT GYPSUM BACKER BOARD IS REQUIRED ON ALL WALLS AND CEILING IN BATHTUB, SHOWER AREAS, LAUNDRY NOT IN BSMT, AND AT ANY PLUMBING PENETRATION

III. WHEN CERAMIC TILE IS USED ON FLOORS PROVIDE ¼" CEMENT BACKER BRD UNLESS NOTED OTHERWISE ON DWGS OR SLAB SURFACES. USE SHOE BASE W/ MOP TOE.

IV. WALLS AND PARTITIONS IN BATHRMS W/IN 2 FT OF SERVICE SINKS, URINALS, AND TOILETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE, TO A HEIGHT OF NOT LESS THAN 4 FT ABOVE THE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS MATERIALS SHALL BE OF A TYPE NOT ADVERSELY AFFECTED BY MOISTURE.

V. FLOOR FINISHES IN BATHROOMS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE. INTERSECTIONS WITH WALLS SHALL HAVE A SMOOTH, HARD, NONABSORBENT VERTICAL BASE EXTENDING 4" ONTO THE WALLS.

IV. PAINT - ALL PAINT SHALL BE IN COMPLIANCE WITH LEAD BASED PAINT POISONING PREVENTION ACT AND LOCAL ORDINANCES.

ALL EXISTING LEAD BASED PAINT MUST BE COMPLETELY REMOVED UNLESS COVERED BY APPROVED MTL FROM ALL INTERIOR/EXTERIOR SURFACES PRIOR TO PAINTING.

PREPARE ALL SURFACES AS REQUIRED.

HVAC AND VENTILATION

I. DRYER EXHAUST VENT, KITCHEN RANGE HOOD, & BATHRM VENTS TO BE TO THE EXTERIOR

II. GAS VENTS & FIREPLACE FLUES MUST EXTEND 3' HIGHER AT ITS ROOF EXIT POINT. THE FLUE/VENT MUST ALSO BE 2' HIGHER THAN ANY PART OF THE ROOF WITHIN 10' . U.LLISTED VENTS MAY BE INSTALLED IN ACCORDANCE WITH THEIR OWN LISTING.

III. NOTE THAT ALL HVAC CONSTRUCTION SHALL BE DONE & PERMITTED PER COUNTY REQ.

IV. EXHAUST FAN REQD. AT ALL RESTROOMS.

709.1 IEBC - ALL RECONFIGURED SPACES INTENDED FOR OCCUPANCY IN ANY "WORK AREA" SHALL BE PROVIDED WITH NATURAL OR MECHANICAL VENTILATION IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE.

IEBC 709.2-IN MECHANICALLY VENTILATED SPACES, EXISTING MECHANICAL VENTILATION SYSTEMS THAT ARE ALTERED, RECONFIGURED, OR EXTENDED SHALL PROVIDE NOT LESS THAN 5 CFM PER PERSON OF OUTDOOR AIR AND NOT LESS THAN 15 CFM OF VENTILATION AIR PER PERSON; OR NOT LESS THAN THE AMOUNT OF VENTILATION AIR DETERMINED BY THE INDOOR AIR QUALITY PROCEDURE OF ASHRAE62.

IEBC 709.3 – ALL NEWLY INTRODUCED DEVICES, EQUIPMENT, OR OPERATIONS THAT PRODUCE AIRBORNE PARTICULATE MATTER, ODORS, FUMES, VAPOR, COMBUSTION PRODUCTS, GASEOUS CONTAMINANTS, PATHOGENIC AND ALLERGIC ORGANISMS, AND MICROBIAL CONTAMINANTS IN QUANTITIES AS TO AFFECT ADVERSELY OR IMPAIR HEALTH OR CAUSE DISCOMFORT TO OCCUPANTS SHALL BE PROVIDED WITH LOCAL EXHAUST.

806.5 INTERIOR TRIM OTHER THAN FOAM PLASTIC SHALL HAVE A MINIMUM CLASS C FRAME SPREAD INDEX AND SMOKE-DEVELOPED INDEX. COMBUSTIBLE TRIM EXCLUDING HANDRAILS AND GUARDRAILS, SHALL NOT EXCEED 10 PERCENT OF SPECIFIC WALL OR CEILING AREA IN WHICH IT IS ATTACHED.

806.6 INTERIOR FLOOR-WALL BASE 6 INCHES OR LESS IN HEIGHT SHALL NOT BE LESS THAN CLASS II, UNLESS A CLASS I FLOOR FINISH IS REQUIRED, THEN NOT LESS THAN CLASS I. (UNLESS COMPLIES WITH 806.5)

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INSULATION

719.1 IBC - INSULATING MATERIALS, INCLUDING FACINGS SUCH AS VAPOR RETARDERS AND VAPOR-PERMEABLE MEMBRANES, SIMILAR COVERINGS AND ALL LAYERS OF SINGLE AND MULTILAYER REFLECTIVE FOIL INSULATIONS, SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION. WHERE A FLAME SPREAD INDEX OR A SMOKE-DEVELOPED INDEX IS SPECIFIED IN THIS SECTION, IT SHALL BE DETERMINED PER ASTM E 84 OR UL 723. ANY MATERIAL THAT IS SUBJECT TO AN INCREASE IN FLAME SPREAD INDEX OR SMOKE-DEVELOPED INDEX BEYOND THE LIMITS HEREIN ESTABLISHED THROUGH THE EFFECTS OF AGE, MOISTURE OR OTHER ATMOSPHERIC CONDITIONS SHALL BE PERMITTED.

EXCEPTIONS:

1. FIBERBOARD - COMPLY W/ CHAPTER 23

2. FOAMPLASTIC INSULATION-COMPLY W/CHAPTER 26

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4. ALL LAYERS OF SINGLE AND MULTILAYER REFLECTIVE PLASTIC CORE INSULATION COMPLY WITH SECTION 2613

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I. R38 MIN @ CEILING, R19 MIN @ HEADER, R13 MIN @ EXT WALLS

II. COMBUSTIBLE INSULATION SEPARATED MIN 3" FROM RECESSED LIGHTS, FAN MOTORS, ETC.

ACCESSIBILITY

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A BUILDING, FACILITY, OR ELEMENT THAT IS ALTERED TO BE ACCESSIBLE SHALL BE MAINTAINED ACCESSIBLE DURING OCCUPANCY.

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EXCEPTION: 1. THE COSTS OF PROVIDING THE ACCESSIBLE ROUTE ARE NOT REQUIRED TO EXCEED 20 PERCENT OF THE COSTS OF THE ALTERATIONS AFFECTING THE AREA OF PRIMARY FUNCTION.

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705.3.1 MINIMUM NUMBER OF EXITS PER IBC.

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FIXED OR MOVABLE WALLS AND PARTITIONS, PANELING, WALL PADS AND CRASH PADS APPLIED STRUCTURALLY OR FOR DECORATION, ACOUSTICAL CORRECTION, SURFACE INSULATION OR OTHER PURPOSES SHALL BE CONSIDERED INTERIOR FINISH IF THEY COVER 10 PERCENT OR MORE OF THE WALL OR CEILING AREA AND SHALL NOT BE CONSIDERED DECORATIVE MATERIALS OR FURNISHINGS.

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II. COMBUSTIBLE INSULATION SEPARATED MIN 3" FROM RECESSED LIGHTS, FAN MOTORS, ETC.

ACCESSIBILITY

IEBC 605.1 A BUILDING OR ELEMENT THAT IS ALTERED SHALL COMPLY WITH THE APPLICABLE PROVISIONS IN SECTION 5 605.1.1 THROUGH 605.1.14. CHAPTER 11 OF IBC AND ICC A117.1 UNLESS IT IS TECHNICALLY INFEASIBLE. WHERE COMPLIANCE WITH THIS IS TECHNICALLY INFEASIBLE, THE ALTERATION SHALL PROVIDE ACCESS TO THE MAXIMUM EXTENT THAT IS TECHNICALLY FEASIBLE.

A BUILDING, FACILITY, OR ELEMENT THAT IS ALTERED TO BE ACCESSIBLE SHALL BE MAINTAINED ACCESSIBLE DURING OCCUPANCY.

EXCEPTION 2. ACCESSIBLE MEANS OF EGRESS REQUIRED BY CHAPTER 10 OF IBC ARE NOT REQUIRED TO BE PROVIDED IN EXISTING BUILDINGS AND FACILITIES.

IEBC 605.1.1 WHERE AN ALTERATION INCLUDES ALTERATIONS TO AN ENTRANCE, AND THE BUILDING OR FACILITY HAS AN ACCESSIBLE ENTRANCE ON AN ACCESSIBLE ROUTE, THE ALTERED ENTRANCE IS NOT REQUIRED TO BE ACCESSIBLE UNLESS REQUIRED BY SECTION 605.2. SIGNS COMPLYING WITH SECTION 1110 OF THE IBC SHALL BE PROVIDED.

IEBC 605.1.4 RAMPS - WHERE STEEPER SLOPES THAN ALLOWED IN SECTION 1010.2 OF THE IBC ARE NECESSITATED BY SPACE LIMITATIONS, THE SLOPE OF RAMPS IN OR PROVIDING ACCESS TO EXISTING BUILDINGS OR FACILITIES SHALL COMPLY WITH TABLE 605.1.4: SLOPE STEEPER THAN 1:10 BUT NOT STEEPER THAN 1:8 = MAXIMUM RISE 3 INCHES SLOPE STEEPER THAN 1:12 BUT NOT STEEPER THAN 1:10 = MAXIMUM RISE 6 INCHES.

IEBC 605.2-WHERE AN ALTERATION AFFECTS ACCESSIBILITY TO OR CONTAINS AN AREA OF PRIMARY FUNCTION, THE ROUTE TO THE PRIMARY FUNCTION AREA SHALL BE ACCESSIBLE. THIS ACCESSIBLE ROUTE TO THE PRIMARY FUNCTION AREA SHALL INCLUDE TOILET FACILITIES AND DRINKING FOUNTAINS SERVING THE AREA OF PRIMARY FUNCTION.

EXCEPTION: 1. THE COSTS OF PROVIDING THE ACCESSIBLE ROUTE ARE NOT REQUIRED TO EXCEED 20 PERCENT OF THE COSTS OF THE ALTERATIONS AFFECTING THE AREA OF PRIMARY FUNCTION.

2.3.4. THIS PROVISION DOES NOT APPLY TO ALTERATIONS LIMITED SOLELY TO: WINDOWS, HARDWARE, OPERATING CONTROLS, ELECTRICAL OUTLETS, SIGNS, MECHANICAL SYSTEMS, ELECTRICAL SYSTEMS, INSTALLATION OR ALTERATION OF FIRE PROTECTION SYSTEMS, AND ABATEMENT OF HAZARDOUS MATERIALS, OR ALTERATIONS UNDERTAKEN FOR THE PRIMARY PURPOSE OF INCREASING THE ACCESSIBILITY OF AN EXISTING BUILDING, FACILITY, OR ELEMENT.

IEBC 602.4- ALL NEW WORK SHALL COMPLY WITH THE MATERIALS AND METHODS REQUIREMENTS IN THE IBC, IECC, IMC, AND IPC, AS APPLICABLE.

MEANS OF EGRESS

IEBC 604.1-REPAIRS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS.

IEBC 704.2 - MEANS OF EGRESS SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION.

EXCEPTION 2. MEANS OF EGRESS CONFORMING TO THE REQUIREMENTS OF THE BUILDING CODE UNDER WHICH THE BUILDING WAS CONSTRUCTED SHALL BE CONSIDERED COMPLIANT MEANS OF EGRESS IF, IN THE OPINION OF THE CODE OFFICIAL, THEY DO NOT CONSTITUTE A DISTINCT HAZARD TO LIFE.

705.3.1 MINIMUM NUMBER OF EXITS PER IBC.

705.4.1.1 ALL ROOMS AND SPACES WITH OCCUPANT LOAD OVER 50 OR WHEN TRAVEL DISTANCE TO EXIT EXCEEDS 75 FT SHALL HAVE A MINIMUM OF TWO EGRESS DOORWAYS IN ANY WORK AREA.

EXCEPTION: 1. STORAGE ROOMS WITH MAXIMUM OCCUPANT LOAD OF 10.

705.4.2 ALL EGRESS DOORS IN THE EGRESS PATH TO THE EXIT DISCHARGE SERVING AN OCCUPANT LOAD GREATER THAN 50 SHALL SWING IN DIRECTION OF EXIT TRAVEL.

705.4.3 ALL DOORS OPENING ONTO AN EXIT PASSAGEWAY AT GRADE OR AN EXIT STAIR SHALL BE SELF-CLOSING OR AUTOMATICALLY CLOSING BY LISTED CLOSING DEVICES.

EXCEPTION: 1. WHERE EXIT ENCLOSURE IS NOT REQUIRED BY IBC.

804.4.1 INTERIOR FLOOR FINISH AND FLOOR COVERING MATERIALS IN EXIT ENCLOSURES, EXIT PASSAGEWAYS AND CORRIDORS SHALL NOT BE LESS THAN CLASS II IN GROUPS A,B,E,H,I-4,M,R-1,R-2,AND S. IN ALL AREAS, FLOOR COVERING MATERIALS SHALL COMPLY WITH DOCFF-1 "PILL TEST" (CPSG 16 CVR PART 1630)

806 DECORATIVE MATERIALS AND TRIM - IN GROUP A, CURTAINS, DRAPERIES, HANGINGS AND OTHER DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL MEET THE FLAME PROPAGATION PERFORMANCE CRITERIA OF NFPA 701 IN ACCORDANCE WITH 806.2 OR BE NONCOMBUSTIBLE.

FIXED OR MOVABLE WALLS AND PARTITIONS, PANELING, WALL PADS AND CRASH PADS APPLIED STRUCTURALLY OR FOR DECORATION, ACOUSTICAL CORRECTION, SURFACE INSULATION OR OTHER PURPOSES SHALL BE CONSIDERED INTERIOR FINISH IF THEY COVER 10 PERCENT OR MORE OF THE WALL OR CEILING AREA AND SHALL NOT BE CONSIDERED DECORATIVE MATERIALS OR FURNISHINGS.

806.1.1 THE PERMISSIBLE AMOUNT OF NONCOMBUSTIBLE DECORATIVE MATERIAL SHALL NOT BE LIMITED.

806.1.2 THE PERMISSIBLE AMOUNT OF DECORATIVE MATERIALS MEETING THE FLAME PROPAGATION PERFORMANCE CRITERIA OF NFPA 701 SHALL NOT EXCEED 10 PERCENT OF THE SPECIFIC WALL OR CEILING AREA TO WHICH IT IS ATTACHED.

806.5 INTERIOR TRIM OTHER THAN FOAM PLASTIC SHALL HAVE A MINIMUM CLASS C FRAME SPREAD INDEX AND SMOKE-DEVELOPED INDEX. COMBUSTIBLE TRIM EXCLUDING HANDRAILS AND GUARDRAILS, SHALL NOT EXCEED 10 PERCENT OF SPECIFIC WALL OR CEILING AREA IN WHICH IT IS ATTACHED.

806.6 INTERIOR FLOOR-WALL BASE 6 INCHES OR LESS IN HEIGHT SHALL NOT BE LESS THAN CLASS II, UNLESS A CLASS I FLOOR FINISH IS REQUIRED, THEN NOT LESS THAN CLASS I. (UNLESS COMPLIES WITH 806.5)

808 ACOUSTICAL CEILING SYSTEMS - SUSPENDED ACOUSTICAL CEILING SYSTEMS SHALL BE INSTALLED PER ASTM C 635 AND ASTM C 636. ACOUSTICAL CEILING SYSTEMS THAT ARE PART OF A FIRE-RESISTANCE-RATED CONSTRUCTION SHALL BE INSTALLED IN THE SAME MANNER AS THE ASSEMBLY TESTED AND COMPLY WITH CHAPER 7.

INSULATION

719.1 IBC - INSULATING MATERIALS, INCLUDING FACINGS SUCH AS VAPOR RETARDERS AND VAPOR-PERMEABLE MEMBRANES, SIMILAR COVERINGS AND ALL LAYERS OF SINGLE AND MULTILAYER REFLECTIVE FOIL INSULATIONS, SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION. WHERE A FLAME SPREAD INDEX OR A SMOKE-DEVELOPED INDEX IS SPECIFIED IN THIS SECTION, IT SHALL BE DETERMINED PER ASTM E 84 OR UL 723. ANY MATERIAL THAT IS SUBJECT TO AN INCREASE IN FLAME SPREAD INDEX OR SMOKE-DEVELOPED INDEX BEYOND THE LIMITS HEREIN ESTABLISHED THROUGH THE EFFECTS OF AGE, MOISTURE OR OTHER ATMOSPHERIC CONDITIONS SHALL BE PERMITTED.

EXCEPTIONS:

1. FIBERBOARD - COMPLY W/ CHAPTER 23

2. FOAMPLASTIC INSULATION-COMPLY W/CHAPTER 26

3. DUCT AND PIPE INSULATION AND DUCT AND PIPE COVERINGS AND LININGS IN PLENUMS -COMPLY W/ INTERNATIONAL MECHANICAL CODE

4. ALL LAYERS OF SINGLE AND MULTILAYER REFLECTIVE PLASTIC CORE INSULATION COMPLY WITH SECTION 2613

719.2 - CONCEALED INSULATION SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450.

719.3 - EXPOSED INSULATION SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN



MEANS OF EGRESS - CONT.

705.4.4 IN ANY WORK AREA AND IN EGRESS PATH FROM ANY WORK AREA TO EXIT DISCHARGE, IN BUILDINGS OR PORTIONS THEREOF OF GROUP A ASSEMBLY OCCUPANCIES WITH OCCUPANT LOADS GREATER THAN 100, ALL REQUIRED EXIT DOORS EQUIPPED WITH LATCHING DEVICES SHALL BE EQUIPPED WITH APPROVED PANIC HARDWARE.

705.6 DEAD-END CORRIDORS SHALL NOT EXCEED 35 FT.

705.7.1 MEANS OF EGRESS SHALL BE PROVIDED WITH ARTIFICIAL LIGHTING IN ACCORDANCE WITH IBC.

705.8 MEANS OF EGRESS EXIT SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH IBC.

IBC

1006.1 ILLUMINATION REQUIRED. THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.

1006.3. ILLUMINATION EMERGENCY POWER. THE POWER SUPPLY FOR MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES' ELECTRICAL SUPPLY.

IN THE EVENT OF POWER SUPPLY FAILURE AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE ALL OF THE FOLLOWING AREAS: AISLES, CORRIDORS, EXIT ENCLOSURES AND PASSAGEWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS. EXTERIOR LANDINGS FOR EXIT DISCHARGE DOORWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS. INTERIOR EXIT DISCHARGE ELEMENTS, AS PERMITTED IN SECTION 1007.1 IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.

THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH CHAPTER 27. (EXISTING EXIT/EMERGENCY LIGHTING MAY BE REUSED IF BOTH THE LIGHTS AND BATTERY BACK UP SYSTEM ARE IN GOOD WORKING ORDER - TEST)

1007.1 ACCESSIBLE SPACES SHALL BE PROVIDED WITH NOT LESS THAN ONE ACCESSIBLE MEANS OF EGRESS. WHERE MORE THAN ONE MEANS OF EGRESS REQUIRED BY 1015.1 OR 1021.1 FROM ANY ACCESSIBLE SPACE, EACH ACCESSIBLE PORTION OF THE SPACE SHALL BE SERVED BY AT LEAST TWO ACCESSIBLE MEANS OF EGRESS.

EXCEPTION 1 - ACCESSIBLE MEANS OF EGRESS ARE NOT REQUIRED IN ALTERATIONS TO EXISTING BUILDINGS.

1008.1 MEANS OF EGRESS DOORS TO BE READILY RECOGNIZABLE AS DOORS. NO REFLECTIVE COVERINGS OR CONCEALMENT.

1008.1.1 MINIMUM WIDTH OF EACH MEANS OF EGRESS DOOR OPENING TO BE SUFFICIENT FOR OCCUPANT LOAD AND CLEAR WIDTH OF 32 INCHES. HEIGHT NOT LESS THAN 80 INCHES

1008.1.2 DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING OCCUPANT LOAD OF 50 OR MORE PERSONS.

1008.1.4.2 WHERE MEANS OF EGRESS DOORS ARE OPERATED BY POWER, SUCH AS DOORS WITH POWER-ASSISTED MANUAL OPERATION, THE DESIGN SHALL BE SUCH THAT IN THE EVENT OF POWER FAILURE, THE DOOR IS CAPABLE OF BEING OPENED MANUALLY TO PERMIT MEANS OF EGRESS TRAVEL OR CLOSED WHERE NECESSARY TO SAFEGUARD MEANS OF EGRESS. (SEE IBC CODE FOR SPECIFIC REQUIREMENTS)

1008.1.6 LANDINGS AT DOORS - WIDTH NOT LESS THAN STAIRWAY WIDTH OR DOOR, WHICHEVER IS GREATER. DOORS IN FULLY OPEN POSITION SHALL NOT REDUCE A REQ. DIMENSION BY OVER 7 INCHES. WHEN LANDING SERVES AN OCCUPANT LOAD OVER 49, DOORS IN ANY POSITION SHALL NOT REDUCE LANDING TO LESS THAN ONE-HALF ITS WIDTH. LANDING LENGTH 44 INCHES MINIMUM MEASURED IN DIRECTION OF TRAVEL.

1008.1.8 DOOR ARRANGEMENT - SPACE BETWEEN TWO DOORS IN A SERIES SHALL BE 48 INCHES MINIMUM PLUS THE WIDTH OF A DOOR SWINGING INTO THE SPACE. DOORS IN A SERIES SHALL SWING EITHER THE SAME DIRECTION OR AWAY FROM THE SPACE BETWEEN THE DOORS.

1008.1.9 EXCEPT AS SPECIFICALLY PERMITTED BY THIS SECTION EGRESS DOORS SHALL BE READILY OPENABLE FROM EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

1008.1.9.1 HARDWARE REQUIRED TO BE ACCESSIBLE BY CHAPTER 11 SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST.

1008.1.9.2 DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS SHALL BE INSTALLED 34 INCHES TO 48 INCHES ABOVE THE FINISHED FLOOR. LOCKS AND LATCHES USED ONLY FOR SECURITY PURPOSES AND NOT NORMAL OPERATION ARE PERMITTED AT ANY HEIGHT.

1008.1.9.3 LOCKS AND LATCHES SHALL BE PERMITTED TO PREVENT OPERATION OF DOORS WHERE ANY OF THE FOLLOWING EXIST:

2. GROUP A OCCUPANCY 300 OR LESS, THE MAIN EXIT DOORS CAN BE EQUIPPED WITH KEY-OPERATED LOCKING DEVICES FROM THE EGRESS SIDE PROVIDED:

2.1. THE LOCKING DEVICE IS READILY DISTINGUISHABLE AS LOCKED;

2.2. A READILY VISIBLE DURABLE SIGN IS POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING: THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED. THE SIGN SHALL BE IN LETTERS 1 INCH HIGH ON A CONTRASTING BACKGROUND; AND

2.3. THE USE OF THE KEY-OPERATED LOCKING DEVICE IS REVOKABLE BY THE BUILDING OFFICIAL FOR DUE CAUSE.

3. WHEN EGRESS DOORS ARE USED IN PAIRS, APPROVED AUTOMATIC FLUSH BOLTS SHALL BE PERMITTED TO BE USED, PROVIDED THAT THE DOOR LEAF HAVING THE AUTOMATIC FLUSH BOLTS HAS NO DOORKNOB OR SURFACE MOUNTED HARDWARE.

1008.1.9.4 MANUALLY OPERATED FLUSH BOLTS OR SURFACE BOLTS ARE NOT PERMITTED.

EXCEPTIONS:

3. WHERE A PAIR OF DOORS SERVES A STORAGE OR EQUIPMENT ROOM, MANUALLY OPERATED EDGE OR SURFACE MOUNTED BOLTS ARE PERMITTED ON THE INACTIVE LEAF.

1008.1.9.5 THE UNLATCHING OF ANY DOOR OR LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION.

1008.1.10 PANIC AND FIRE EXIT HARDWARE - DOORS SERVING ROOMS OR SPACES WITH OCCUPANT LOAD OF 50 OR MORE IN GROUP A SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE OR FIRE EXIT HARDWARE.

EXCEPTION: A MAIN EXIT OF GROUP A OCCUPANCY IN COMPLIANCE WITH 1008.1.9.3, ITEM 2 ABOVE.

1009 - STAIRWAYS. MINIMUM WIDTH IN INCHES DETERMINED BY TOTAL OCCUPANT LOAD SERVED BY THE MEANS OF EGRESS X .3 INCH PER OCCUPANT FOR STAIRWAYS AND NOT LESS THAN 44 INCHES. MULTIPLE MEANS OF EGRESS SHALL BE SIZED SUCH THAT THE LOSS OF ANY ONE SHALL NOT REDUCE CAPACITY TO LESS THAN 50 PERCENT.

1009.4.2 RISER HEIGHT 4 INCHES TO 7 INCHES, TREAD DEPTH 11 INCHES.

1009.4.4 UNIFORM SIZE AND SHAPE FOR TREADS, RISERS, 3/8 INCH MAX DIFFERENCE IN ONE FLIGHT.

WHERE BOTTOM RISER ADJOINS A SLOPING PUBLIC WAY HAVING AN ESTABLISHED GRADE, BOTTOM RISER CAN BE REDUCED ALONG SLOPE TO LESS THAN 4 INCHES, VARIATION NOT TO EXCEED 1:12 OF STAIRWAY WIDTH. NOSINGS OF TREADS AT THESE NONUNIFORM RISERS MARKED PER CODE.

NOTE: 1008.4 EMERGENCY LIGHTING SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION AT LEAST AN AVERAGE OF 1 FOOTCANDLE (11 LUX) AND A MINIMUM AT ANY POINT OF 0.1 FOOTCANDLE (1 LUX) MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL. ILLUMINATION LEVELS SHALL BE PERMITTED TO DECLINE TO 0.6 FOOTCANDLE (6 LUX) AT THE END OF THE EMERGENCY LIGHTING TIME DURATION. A MAXIMUM-TO-MINIMUM ILLUMINATION UNIFORMITY RATIO OF 40 TO 1 SHALL NOT BE EXCEEDED. (90 MIN BACK-UP REQ.)

MEANS OF EGRESS - CONT.

1009.5 LANDINGS AT TOP AND BOTTOM, WIDTH OF STAIR, DIMENSION IN DIRECTION OF TRAVEL EQUAL TO WIDTH OF STAIR, NOT OVER 48 INCHES IN A STRAIGHT RUN.

1009.6.1 WALKING SURFACE OF TREADS AND LANDINGS SHALL NOT BE SLOPED STEEPER THAN ONE UNIT IN 48 UNITS HORIZONTAL IN ANY DIRECTION.

1009.6.2 OUTDOOR STAIRWAYS SHALL BE DESIGNED SO WATER WILL NOT ACCUMULATE ON WALKING SURFACES

1009.7 VERTICAL RISE NO GREATER THAN 12 FT BETWEEN LANDINGS OR FLOOR LEVELS.

1010 - RAMPS - USED AS PART OF MEANS OF EGRESS MAXIMUM SLOPE 1:12. VERTICAL RISE 30 INCHES MAXIMUM, WIDTH SAME AS STAIR WIDTH CALCULATION ABOVE, BUT NOT LESS THAN 44 INCHES. LANDINGS AT TOP AND BOTTOM OF RAMP. LANDING LENGTH 48 INCHES MIN WHEN NOT PART OF AN ACCESSIBLE ROUTE, OTHERWISE 60 INCHES MIN. SURFACE SLIP-RESISTANT, OUTDOOR RAMPS DESIGNED SO WATER WILL NOT ACCUMULATE. RAMPS WITH A RISE OVER 6 INCHES SHALL HAVE HANDRAILS ON BOTH SIDES. EDGE PROTECTION NEEDED IF HANDRAILS ARE REQUIRED, IF NO HANDRAILS REQ., FLARED SIDES PER ICC A117.1 CURB RAMP PROVISIONS.

1011 - EXIT SIGNS - EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. PATH OF EGRESS TRAVEL TO EXITS SHALL BE MARKED TO CLEARLY INDICATE DIRECTION OF EGRESS TRAVEL WHERE NOT IMMEDIATELY VISIBLE. INTERVENING MEANS OF EGRESS DOORS WITHIN EXITS TO BE MARKED BY EXIT SIGNS. EXIT SIGNS PLACED SO THAT NO POINT IN AN EXIT ACCESS CORRIDOR OR PASSAGEWAY IS OVER 100 FT OR LISTED VIEWING DISTANCE FOR THE SIGN, WHICHEVER IS LESS, FROM NEAREST VISIBLE EXIT SIGN.

EXCEPTIONS

1. EXIT SIGNS NOT REQ. IN ROOMS OR AREAS REQUIRING ONLY ONE EXIT.

2. MAIN EXTERIOR EXIT DOORS CLEARLY IDENTIFIABLE AS EXITS NEED NO SIGN IF APPROVED BY BUILDING OFFICIAL

1011.2 EXIT SIGNS INTERNALLY OR EXTERNALLY ILLUMINATED

1011.3 TACTILE SIGN STATING EXIT, COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EXIT STAIRWAYS, RAMPS, PASSAGEWAYS, AND EXIT DISCHARGE.

1011.4 INTERNALLY ILLUMINATED SIGNS COMPLY WITH UL924 AND CHAPTER 27.

1011.5 EXTERNALLY ILLUMINATED SIGNS COMPLY WITH CODE IN LETTER SIZE AND CONTRAST AND ILLUMINATION AND 90 MIN BATTERY BACKUP.

1014.3 COMMON PATH OF EGRESS TRAVEL NOT TO EXCEED 75 FEET.

1015.1 TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED IF:

1.... OCCUPANT LOAD OVER 49 FOR GROUP A

2. COMMON PATH OF EGRESS EXCEEDS 75 FT

3. WHERE OTHERWISE REQUIRED.

1016 EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED 200 FT FOR GROUP A OCCUPANCIES AND SHALL BE MEASURED FROM THE MOST REMOTE POINT WITHIN A STORY ALONG THE NATURAL AND UNOBSTRUCTED PATH OF EGRESS TRAVEL TO AN EXIT.

1018 CORRIDORS SHALL BE FIRE-RESISTANCE RATED PER TABLE 1018.1 AND SHALL COMPLY WITH SECTION 709 FOR "FIRE PARTITIONS". FOR GROUP S A, B, E, F, M, S, U WITH OCCUPANT LOAD SERVED BY CORRIDOR GREATER THAN 30, ONE HOUR FIRE-RESISTANCE RATING IS REQUIRED FOR CORRIDOR WALL WITHOUT SPRINKLER SYSTEM.

1023.2 EXIT PASSAGEWAYS WIDTH NOT LESS THAN 44 INCHES; 36 INCHES WITH OCCUPANT LOAD UNDER 50.

1023.3 EXIT PASSAGEWAY ENCLOSURES SHALL HAVE WALLS, FLOORS, CEILINGS NOT LESS THAN 1 HR FIRE-RESISTANCE AND NOT LESS THAN THAT REQUIRED FOR ANY CONNECTING INTERIOR EXIT STAIR.

EXIT PASSAGEWAYS SHALL BE CONSTRUCTED AS FIRE BARRIERS PER 707 OR HORIZONTAL ASSEMBLIES PER 712, OR BOTH.

1023.4 EXIT PASSAGEWAYS ON THE LEVEL OF EXIT DISCHARGE SHALL TERMINATE AT AN EXIT DISCHARGE. EXIT PASSAGEWAYS ON OTHER LEVELS SHALL TERMINATE AT AN EXIT.

1027 EXIT DISCHARGE - EXITS SHALL DISCHARGE DIRECTLY TO THE EXTERIOR OF THE BUILDING AT GRADE AND NOT RE-ENTER THE BUILDING.

CORRIDORS

IBC 704.1.1-WHERE AN APPROVED AUTOMATIC SPRINKLER SYSTEM IS INSTALLED THROUGHOUT THE STORY, THE REQUIRED FIRE-RESISTANCE RATING FOR ANY CORRIDOR LOCATED ON THE STORY SHALL BE PERMITTED TO BE REDUCED IN ACCORDANCE WITH THE IBC. IN ORDER TO BE CONSIDERED FOR A CORRIDOR RATING REDUCTION, SUCH SYSTEM SHALL PROVIDE COVERAGE FOR THE STAIRWELL LANDINGS SERVING THE FLOOR AND THE INTERMEDIATE LANDINGS IMMEDIATELY BELOW.

IBC 1018.1 - CORRIDORS SHALL BE FIRE-RESISTANCE RATED IN ACCORDANCE WITH TABLE 1018.1.

TABLE 1018.1-CORRIDOR FIRE-RESISTANCE RATING

OCCUPANCY	OCC. LD SERVED BY CORR.	NO SPRINKLERS	WITH SPRINKLERS
A	OVER 30	1HR	0 HR

PLUMBING & GAS

I. NOTE THAT ALL PLUMBING CONSTR SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODE.

II. CAP PER CODE ANY ABANDONED PIPE.

III. PROVIDE FIXTURES & PLUMBING IN RESTROOMS INCLUDING VANITY, TOILET, ETC. AS REQUIRED- PAPER TOWEL DISPENSER, TOILET PAPER DISPENSE, TEMPERED GLASS VANITY MIRROR, ADA APPROVED GRAB BARS W/ NECC SUPPORT IN WALLS

-V.O. FIXTURES.

IEBC 509.2 WATER CLOSET REPLACEMENT - MAXIMUM WATER CONSUMPTION FLOW RATES AND QUANTITIES FOR ALL REPLACED WATER CLOSETS SHALL BE 1.6 GALLONS PER FLUSHING CYCLE.

IEBC 710.1-WHERE THE OCCUPANT LOAD OF THE STORY IS INCREASED BY OVER 20 PERCENT, PLUMBING FIXURES FOR THE STORY SHALL BE PROVIDED IN QUANTITIES SPECIFIED IN THE IPC BASED ON THE INCREASED OCCUPANT LOAD.

WINDOWS, DOORS

I. ALL DOORS FLUSH, WOOD, AND PAINTED UNLESS NOTED OTHERWISE (V.O).

II. DOORS TO HAVE PAD OR LEVER TYPE HARDWARE.

III. FIRE DOORS MUST BE 32 INCH CLEAR WIDTH, HAVE EMERGENCY HARDWARE, AND OPEN OUT.

IV. CLASS A SAFETY GLASS IS REQUIRED:

IN ALL FIXED AND OPERABLE PANELS OF SWINGING DOORS

IN ALL PANELS WITHIN 24" OF A DOOR AND WITHIN 60 INCHES ABOVE FLOOR UNLESS INTERVENING WALL BETWEEN DOOR AND GLASS

IN WINDOWS WHERE THE INDIVIDUAL EXPOSED PANE IS OVER 9 SQ FT, THE BOTTOM EDGE OF GLASS IS LESS THAN 18 INCHES ABOVE THE FLOOR, THE TOP EDGE OF THE GLASS IS OVER 36 INCHES ABOVE THE FLOOR, AND A WALKING SURFACE IS WITHIN 36 INCHES HORIZONTALLY AND IN A STRAIGHT LINE OF THE GLAZING.

EXCEPTION: WHERE A HORIZONTAL RAIL IS INSTALLED ON THE ACCESSIBLE SIDE OF THE GLAZING 34 TO 38 INCHES ABOVE THE WALKING SURFACE.

THE RAIL SHALL BE CAPABLE OF WITHSTANDING A HORIZONTAL LOAD OF 50 LBS PER LINEAR FT WITHOUT CONTACTING THE GLASS AND BE A MINIMUM OF 1 ½ INCHES IN CROSS-SECTIONAL HEIGHT.

GLAZING ADJACENT TO STAIRWAYS, LANDINGS, AND RAMPS WITHIN 36 INCHES HORIZONTALLY OF A WALKING SURFACE; WHEN THE EXPOSED SURFACE OF THE GLASS IS LESS THAN 60 INCHES ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE AND WHERE REQUIRED BY PERTINENT CODE -

V. ALL DOORS MIN. 32 INCH CLEAR OPENING WIDTH FOR ACCESSIBLE ROUTES UNLESS NOTED OTHERWISE.

CORRIDOR DOORS (20 MIN): FIRE DOOR ASSEMBLY SHALL BE LISTED AND LABELED BY AN APPROVED TESTING AGENCY, LABELS COMPLY WITH NFPA 80, PERMANENTLY AFFIXED TO DOOR OR FRAME. FIRE DOOR LABELS TO SHOW MFR NAME, INSP AGENCY, FIRE PROTECTION RATING.

GLAZING IN FIRE-RESISTANCE RATED DOOR ASSEMBLY SHALL ALSO BE FIRE-RESISTANCE RATED BY AN APPROVED TESTING AGENCY TO THE SAME PROTECTION RATING AS THE DOOR.

ANY NEW WORK DOOR FRAMES AT RATED CORRIDOR WALLS SHALL ALSO BE RATED, LISTED AND LABELED SHOWING THE NAMES OF THE MFR AND THIRD-PARTY INSPECTION AGENCY.

## operating hardware and thresholds at doorways

THRESHOLD SHOULD NOT BE INSTALLED AT INTERIOR DOORS OR OPENINGS.

THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2" HEIGHT FOR EXTERIOR DOORS. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT ACCESSIBLE DOORWAYS SHALL BE BEVELED W/ A SLOPE NO GREATER THAN 1:2

OPERATING HARDWARE ON DOORS SHOULD BE 34" TO 48" ABOVE FLOOR FOR ALL DOORS, INCLUDING ENTRANCE DOOR. LEVER HANDLES WITH ENDS LOOPED BACK TO THE DOOR SURFACE TO PREVENT CATCHING OF CLOTHING, ETC. ARE BEST FOR OPERATING A LATCH OR LOCK. PULL HANDLES SHOULD BE OF SIMPLE DESIGN WITH NO HOOKS TO CATCH CLOTHING AND WITH BOTH ENDS RETURNED TO THE DOOR. A 5' OR MORE DOOR PULL HANDLE, MOUNTED ON THE HINGE SIDE, IS CONVENIENT FOR PULLING THE DOOR SHUT FROM A WHEELCHAIR.

HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. OPERABLE PARTS OS SUCH HARDWARE SHALL BE 34 INCHES TO 48 INCHES ABOVE THE FLOOR. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.

IEBC 605.1.4-RAMPS-WHERE STEEPER SLOPES THAN ALLOWED BY SECTION 1010.2 OF THE IBC ARE NECESSTATED BY SPACE LIMITATIONS, THE SLOPE OF RAMPS IN OR PROVIDING ACCESS TO EXISTING BUILDINGS OR FACILITIES SHALL COMPLY WITH TABLE 605.1.4

TABLE 605.1.4 – RAMPS

SLOPE	MAXIMUM RISE
STEEPER THAN 1:10 BUT NOT STEEPER THAN 1:8	3 INCHES
STEEPER THAN 1:12 BUT NOT STEEPER THAN 1:10	6 INCHES

RAMPS

1010.3 CROSS SLOPE 2% MAX, NOT STEEPER THAN 1 UNIT IN 48 FOR SLOPE PERPENDICULAR TO DIR. OF TRAVEL OF RAMP

1010.4 VERTICAL RISE 30" MAX FOR RAMP RUN

1010.5 MIN. DIMENSIONS FOR EGRESS RAMPS

WIDTH 44" MIN, CLEAR WIDTH BETWN HANDRAILS 36" MIN HEADROOM 80"

DOORS OPENING ONTO A LANDING CANNOT REDUCE CLEAR WIDTH TO LESS THAN 42"

1010.6 LANDINGS REQUIRED AT TOP AND BOTTOM, POINTS OF TURNING, EXITS, ENTRANCES, AND DOORS

LANDING SLOPE 2% MAX IN ANY DIRECTION

LANDING WIDTH SAME AS RAMP, LENGTH 60" MIN

1010.7 SLIP RESISTANT SURFACE AND WATER SHALL NOT ACCUMULATE ON WALKING SURFACE

1010.8 RAMPS WITH RISE OVER 6" NEED HANDRAILS ON BOTH SIDES 34" - 38" HIGH, CIRC. DIAM 1 1/4" - 2", CONTINUOUS, RETURN TO WALL OR WALKING SURFACE. IF NOT CONTIN. EXTEND 12" BEYOND TOP AND BOTTOM OF RUN.

1010.9 EDGE PROTECTION REQ. ON EACH SIDE OF RAMP RUN AND LANDINGS, COMPLYING WITH 1010.9.1 OR WITH 1010.9.2. (EXCEPTION 1. IF HANDRAILS ARE NOT REQ. FOR RAMP, EDGE PROTECTION NOT REQ. IF RAMP HAS FLARED SIDES NOT STEEPER THAN 1:10.

1010.9.1 EDGE PROTECTION CAN BE A 4" MIN CURB, A RAIL, WALL, OR A BARRIER THAT PREVENTS PASSAGE OF A 4" DIAM SPHERE W/IN 4" OF FLOOR OR GROUND SURFACE

1010.9.2 EXTENDED FLOOR OR GROUND SURFACE 12" MIN. BEYOND THE INSIDE FACE OF A HANDRAIL.

1010.10 GUARDS REQ. IF RAMP FLOOR OVER 30" FROM GRADE, 42" HIGH MIN GUARD.

SPECIFICATIONS: V.O.

NEW RESTROOMS:

FOLDING BABY CHANGING STATION - "FOUNDATIONS" STANDARD POLYETHYLENE HORIZONTAL #100-ELH-BP (OR EQUAL) V.O.

SOAP DISPENSER- "GOJO" AUTOMATIC SOAP DISPENSER OR "ENMOTION" AUTOMATED SOAP DISPENSER (OR EQUAL) V.O.

POWERED PAPER DISPENSER – GP PRO 600MOTION IMPULSE 8" 1-ROLL AUTOMATED TOUCHLESS PAPER TOWEL DISPENSER, BLACK #59498A (OR EQUAL), V.O.

TOILET PARTITIONS- POWDER COATED STEEL

ADA GRAB BARS WITHIN TOILET COMPARTMENT – STAINLESS STEEL

VANITY-LAMINATE COUNTERTOP WITH WOOD, TRIMMED PLUMBING COVER (OR EQUAL) V.O.

MIRRORS – STAINLESS STEEL FRAME 24"x36"H LOCATED INDIVIDUALLY AT EACH LAVATORY SINK (OR EQUAL) V.O.

NEW KITCHEN:

KITCHEN CABINETS – WOOD LOWER CABINETS, 1 DRAWER, 1 SHELF BELOW WITH 1 OR 2 DOORS LAMINATE COUNTERTOP; WOOD UPPER CABINETS (NOT OVER PASS-THROUGH) 1 SHELF, TO MATCH LOWER -V.O.

SINK – DOUBLE PAN STAINLESS STEEL SINK

KITCHEN SINK FAUCET – DELTA ESSA STAINLESS SINGLE HANDLE PULL-DOWN SPRAY FAUCET #9113-AR-DST (OR EQUAL) V. O.

NEW DOORS:

EXTERIOR REPLACEMENT DOOR "O" AT FELLOWSHIP HALL – REPLACE THIS DOOR AND HARDWARE WITH NEW INSULATED STEEL DOOR AND JAMB (HOLLOW METAL DOORS WITH HOLLOW METAL FRAMES) (FV., V.O.)

EXTERIOR REPLACEMENT DOOR "P" AT ANTEROOM N. DOOR- REPLACE THIS DOOR AND HARDWARE WITH NEW INSULATED STEEL DOOR AND JAMB (HOLLOW METAL DOORS WITH HOLLOW METAL FRAMES) (FV., V.O.)

ENLARGE OPENING, NEW LINTEL, NEW COL. DOOR 3'-6" x 7'-0" VO/FV- PATCH AS REQUIRED

INTERIOR DOUBLE DOORS AT NARTHEX TO REPLACE SINGLE DOOR AT NARTHEX INTO ANTEROOM - SOLID CORE WOOD, 90 MINUTE FIRE-RATED, 60" X 84" (FV., V.O.) PRE-HUNG, WITH ELECTRO MAGNETIC HOLD OPEN – ON ALARM SYSTEM (EXISTG)

OTHER INTERIOR DOORS – FLUSH SOLID CORE WOOD, 1-3/4" THICK, PAINTED HOLLOW MTL FRAMES, NON-FIRE RATED, SEE DOOR SCHEDULE FOR DIMENSIONS (1-3/8" STANDARD INTERIOR DOOR THICKNESS, CHECK WITH OWNER ON 1-3/4" INTERIOR THICKNESS OPTION (FV., V.O.)

SEE DOOR SCHEDULE FOR DOOR HARDWARE – V.O.

FLOORING:

NEW CARPET TILE - PHILADELPHIA BY SHAW – LUCKY BREAK

NEW LVT – LUXURY VINYL TILE - CORETEC PLUS 5" PLANK

NEW VINYL BASE – 4" RESILIENT (VINYL) COVE THROUGHOUT – V.O.

PAINT: VERIFY ALL PAINT TYPE AND COLOR WITH OWNER

CEILINGS: ACOUSTICAL TILE - BASEMENT – 2X4 ACOUSTIC CEILING PANELS - USG OLYMPIA MICRO ACOUSTIC CEILING GRID – CHICAGO METALLIC 200 SERIES

MAIN FLOOR KITCHEN & NEW MAIN FLOOR RESTROOMS – 2X2 USG ACOUSTICAL TILE (OR EQUAL) V.O. (RESTROOMS MAY REMAIN WOOD CEILING IF EXISTING CEILING IS ADEQUATE PER OWNER) V.O.

ELECTRIC:

INSTALL AND RE-ROUTE ELECTRIC AS NEEDED IN AREAS AFFECTED BY REMODEL AND OTHER AREAS WHERE ADDITIONAL OUTLETS AND LIGHTING IS TO BE ADDED. PROVIDE NEW RECEPTACLES AND LIGHTING AS REQUIRED (SEE A1-3E). PROVIDE EMERGENCY/EXIT LIGHTS AS REQUIRED (SEE A1-3E). VERIFY WITH OWNER.

CHECK EXISTING EXIT/EMERGENCY COMBO LIGHTS WITH BATTERY BACKUP FOR SAFE WORKING ORDER AND COMPLIANCE WITH APPLICABLE CODE REQUIREMENTS. REPAIR OR REPLACE AS NEEDED.

NEW EMERGENCY LIGHTING – "EL-W2 LED EMERGENCY LIGHTS STANDARD" BY LIGHT FIXTURE INDUSTRIES FOR THE EXIT LIGHT CO. (OR EQUAL) V.O.

NEW COMBINATION EXIT SIGN/EMERGENCY LIGHT – "COMBOR2 – RED LED EXIT LIGHT " –BY LIGHT FIXTURE INDUSTRIES FOR THE EXIT LIGHT CO. (OR EQUAL) V.O.

NEW ILLUMINATED EXIT SIGN - "LEDRBB-JR" - MODERN LED WHITE WITH RED LETTERS BATTERY BACK-UP EXIT SIGN BY LIGHT FIXTURE INDUSTRIES FOR THE EXIT LIGHT CO. (OR EQUAL) V.O.

NEW LED CAN LIGHTS – LED DOWNLIGHT "DELRAY VL SERIES GU24", 12W, 495 LUMENS (OR EQUAL) V.O.

NEW 2X4 LED DROP-IN LIGHTS - "WARELIGHT"ECONOMY 2X4 LED CENTER BASKET RECESSED TROFFER, 52 W, 120-277V 5000 LUMENS, LCD-24-52LED (OR EQUAL) V.O.

NEW 2X2 LED DROP-IN LIGHTS - "WARELIGHT" 2X2LED CENTER BASKET TROFFER, 36W, 120-277V, 3563 LUMENS, SSL-BLED2X2/2X22 (OR EQUAL) V.O.

date issued:

BID: 8/27/18

PERMIT:

CONTR.:

revision:

REV 1 5/23/19

project/owner:

MISCELLANEOUS IMPROVEMENTS

project/owner:

Martin Luther Ev. Lutheran Church

10151 Sappington Rd

Sunset Hills, MO

date sealed: 2/19/19

5/23/19

project code:

dir:

file:

bks:

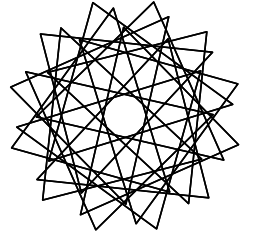
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drawing title:

SPECIFICATIONS

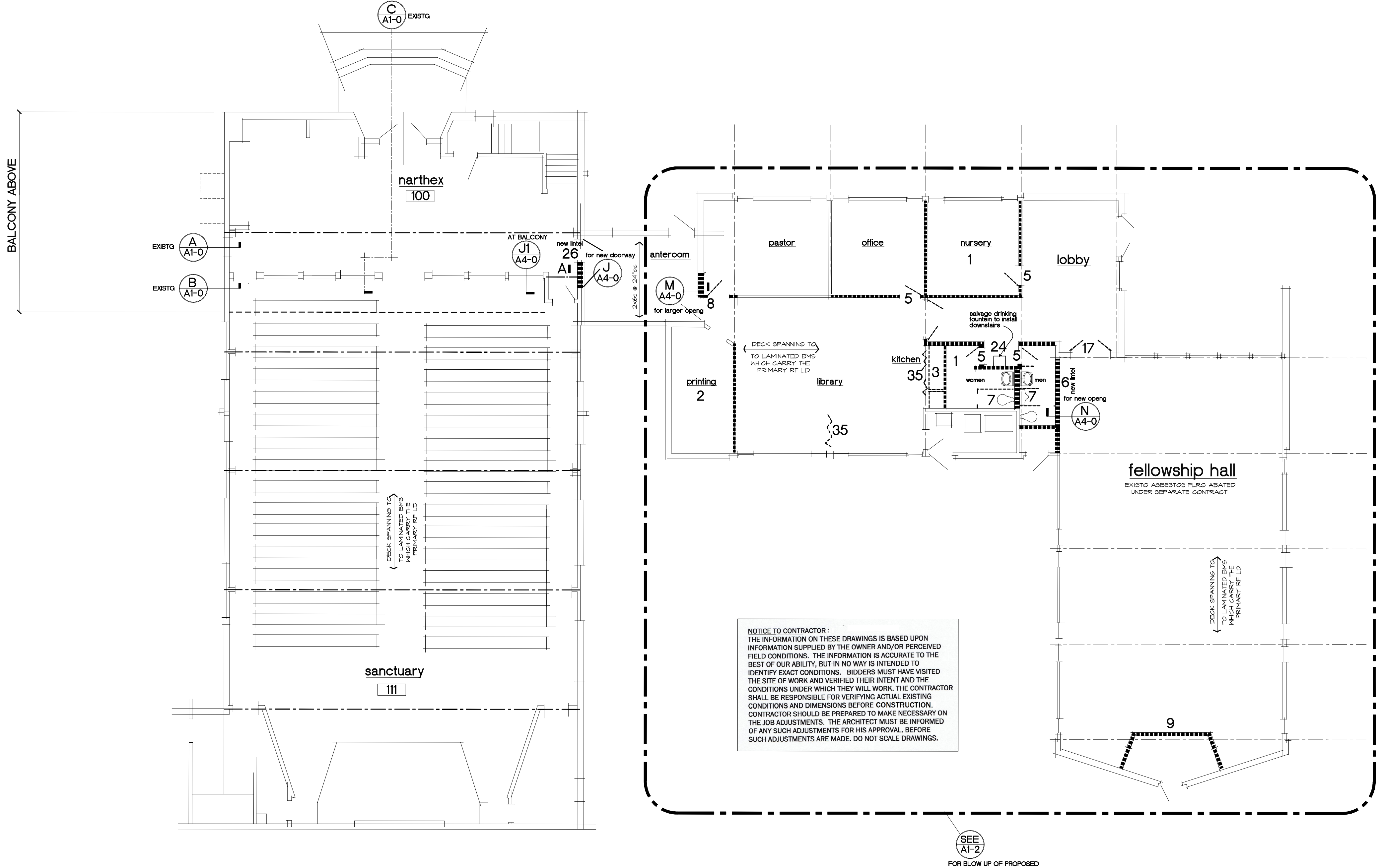
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A0-2

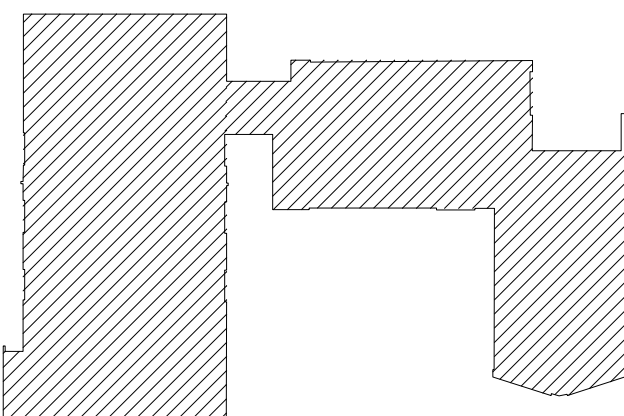


GCLINTON BORROR  
ARCHITECT/PLANNER  
AND ASSOCIATES  
636 938 9807

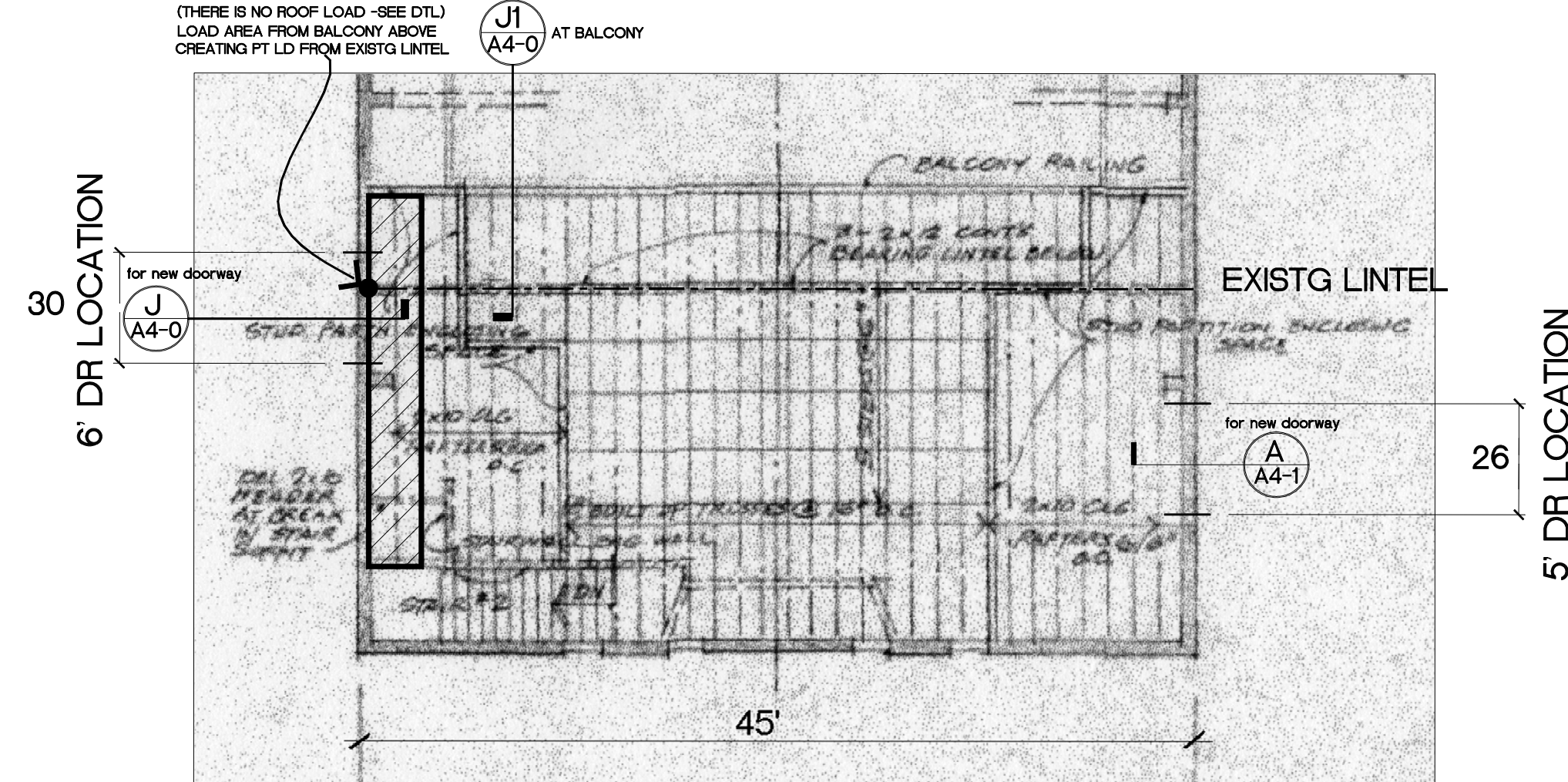
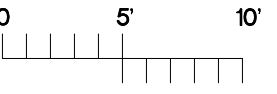




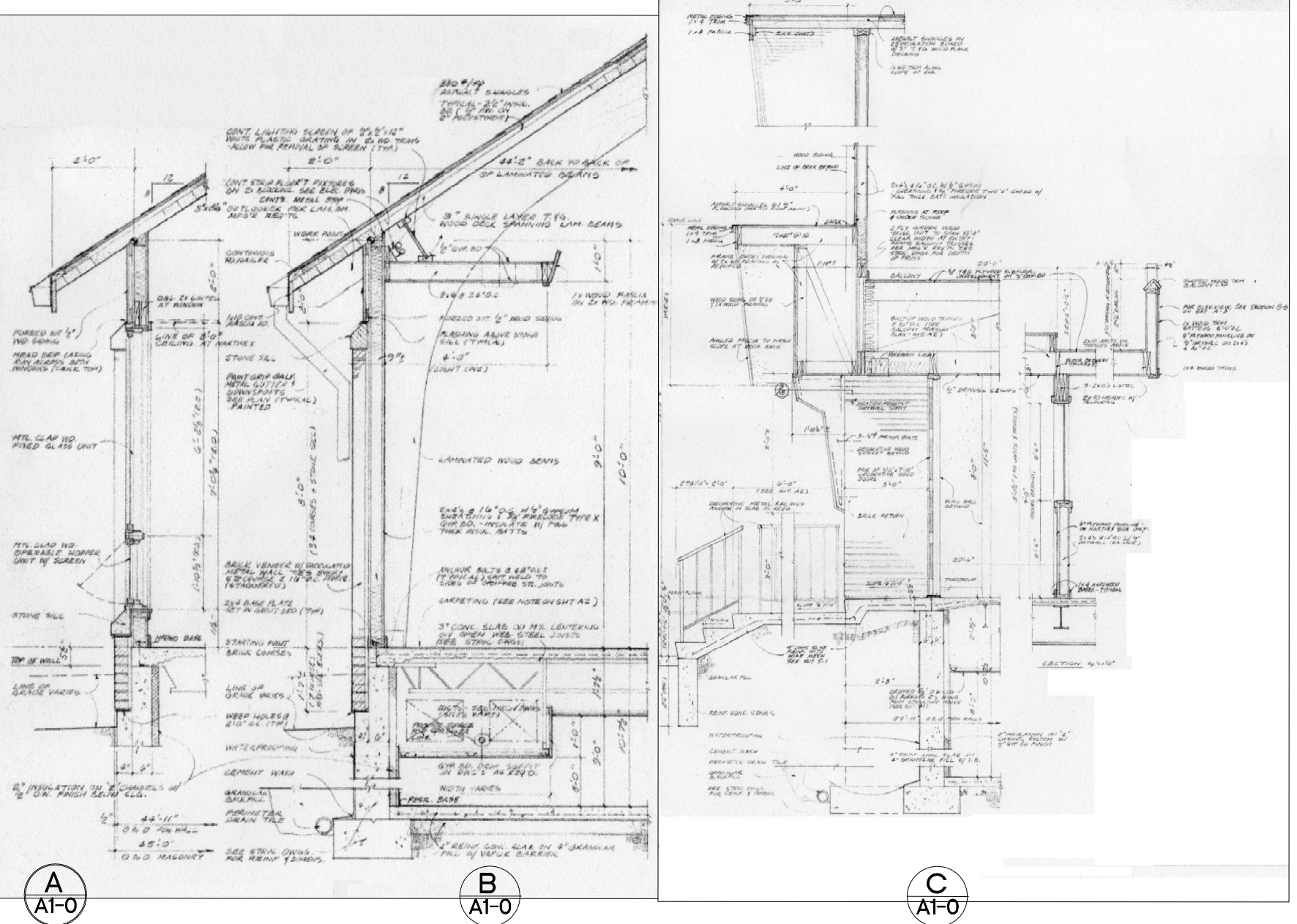
MAIN LEVEL  
approximate existing/demo garden level plan  
w/keynotes for new work at Sanctuary Building



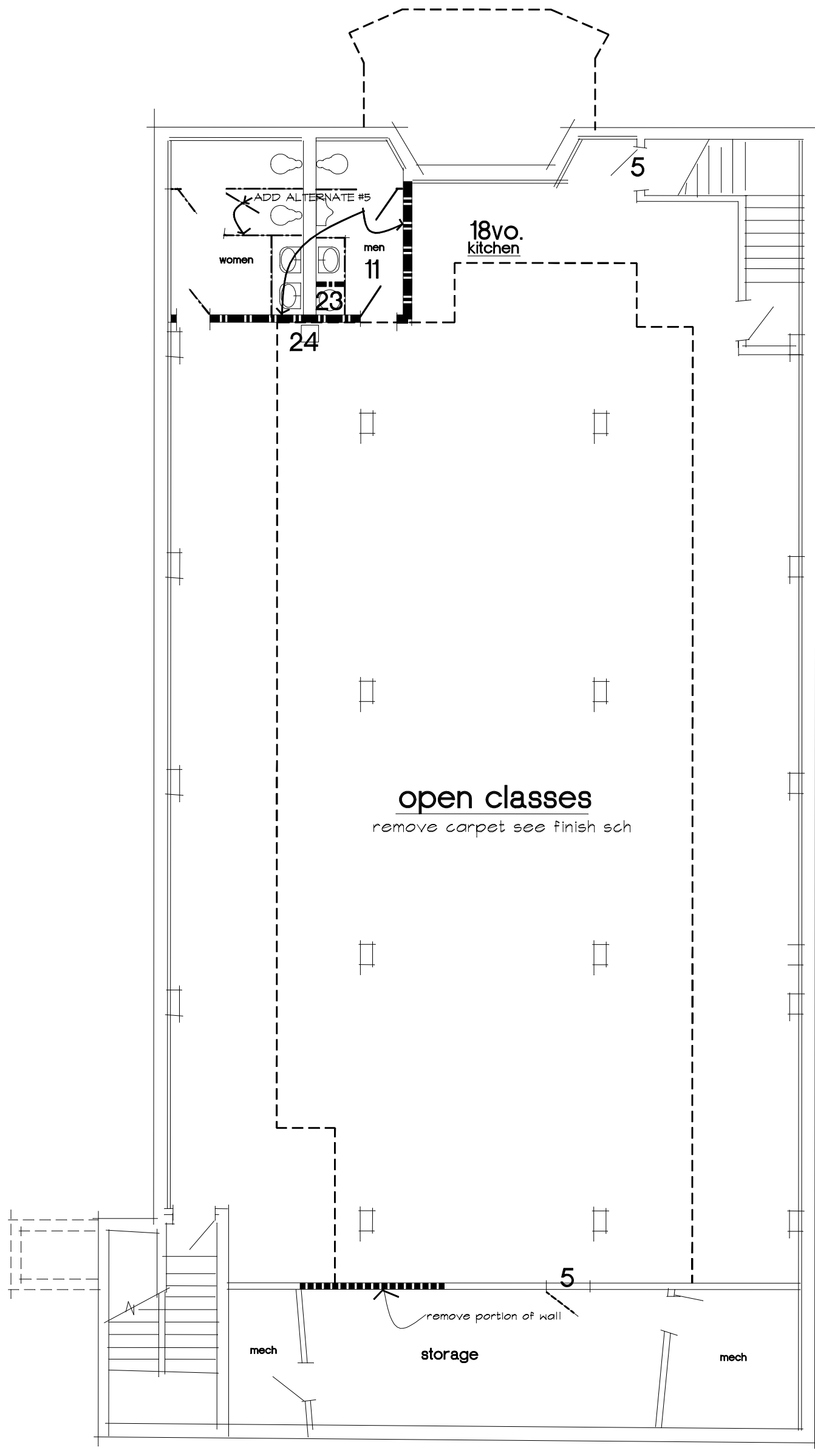
1/8" scale  
walls to remove  
ADD ALTERNATES



balcony framing  
excerpt from 1980 arch drwgs sht A-2

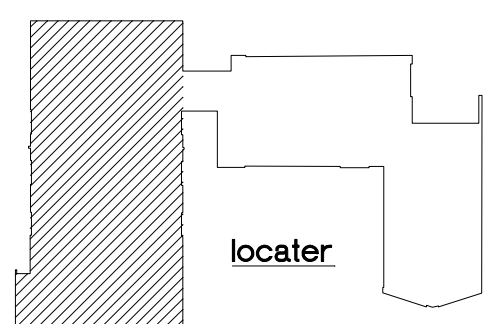


excerpt from 1980 arch drwgs sht A-2 NO SCALE - FOR REFERENCE ONLY



approximate existing/demo basemt

1/8" scale



BASEMENT

- KEYNOTES
- 1.REMOVE PARTITIONS
  - 2.CONVERT STORAGE/PRINTING ROOM TO NURSERY
  - 3.REMOVE KITCHEN AND APPLIANCES
  4. Enlarge the Breakroom Entrance North Door.
    - a. Remove the existing door, frame, and hardware. Enlarge the opening for a new door.
    - b. Provide new lintel over door. Provide new column beside door to carry lintel.
    - c. Install new 5'6" x 7'7" finished hollow metal door and frame. Key new door to match existing key set.
    - d. Include hardware: 16 heavy-duty hinges, rim exit device with lever trim, threshold, sweep, rain cap, weather stripping.
    - e. Patch walls and ceiling after demolition/installation.
  - 5.REMOVE DOOR AND FRAME
  - 6.REMOVE PARTITION TO OPEN NEW KITCHEN TO FELLOWSHIP HALL  
PROVIDE LINTEL 12" MAX SPAN - (2) 1-3/4" X 11-1/4" 1.9E TI MICROLAM LVL
  - 7.REMOVE ALL FIXTURES
  - 8.REMOVE PARTITION AND DOORWAY FOR ANGLED ENTRY (SEE A4-1) - PROVIDE LINTEL - (2) 1-3/4" X 9-3/4" 1.9E TI MICROLAM LVL, REPAIR CEILING & FLOOR
  - 9.REMOVE PARTITION AND DOORS TO REMODEL STORAGE AREA
  - 10.
  11. WALLS TO BE REMOVED
  - 12.HOOK-UPS FOR COFFEE STATION - OUTLET AND SMALL 1/4" WATERLINE, FV, V.O.
  - 13.OPEN PASS THROUGH LAMINATE COUNTER WITH CABINETS BELOW (NO CABINETS ABOVE) ("SERVICE COUNTER" CAN BE 36" HIGH PER ADA REG.) LOWER CABINETS HAVE 1 DRAWER, WITH 1 OR 2 DOORS AND 1 SHELF IN CABINET
  - 14.BUILT-INS WITH CABINETS ABOVE, LAMINATE COUNTER ("WORK SURFACE" 36" HIGH COUNTER AND SINK PER ADA REG.)
    - CONTRACTOR TO SUBMIT DRWGOS FOR OWNER REVIEW
  - 15.
  - 16.
  17. REMOVE DOORS, FRAMES, AND TRANSOMS
  - 18.REMODEL EXISTING KITCHEN AS SHOWN FOR RESTROOM EXPANSION
  - 19.NEW BATHROOM VANITIES WITH LAMINATE COUNTER TOP - (34" HIGH PER ADA REG.) (WOOD TRIMMED PLUMBING COVER AT ACCESSIBLE VANITY AREA - OR EQUAL, V.O.)
    - CONTRACTOR TO SUBMIT SKETCH OR PHOTO
  20. 42" HALL WIDTH OR IF APPROACHING LATCH AND PUSHING DOOR IN AND NO CLOSERS; OTHERWISE HALLS TO BE 48" WIDE
  - 21.DROP CEILING - 2X4 LAY-IN ACoustical TILE AT KITCHEN AREA TO CONCEAL DUCT WORK. EXTEND DROP CEILING TO EAST BEAM FACE AND TO HALL, V.O. (DITL B/A4-0)
  - 22.REPAIR AND REPLACE DROP CEILING AS REQUIRED
  - 23.MOVE BASEMENT WATER WATER TO NEW CLOSET
  - 24.ADD ADA AND STANDARD DRINKING FOUNTAINS AT MAIN FLOOR FOR BASEMENT RE-USE SHARED DRINKING FOUNTAIN FROM MAIN FLOOR AND ADA DRINKING FOUNTAIN
  - 25.ADD 5/8" FIRE-RATED GYPSUM BOARD TO CLOSET CEILING UNDER STAIR WALLS SHOULD BE 5/8" ALSO - CHG THEM
  - 26.ENLARGE DOOR TO 5 FT. EXISTING 2HR WALL (PER ORIG DWG HAVE 1HR DOOR HERE) PROVIDE LINTEL - (6) 1-3/4" X 14" 1.9E TI MICROLAM LVL (W/2) 2X6 SP SOUTH STUD NAILED BUILT UP WOOD COLS @ EA END
  - 27.
  - 28.FOLD UP BABY CHANGING TABLE "FOUNDATIONS" OR EQUIV., V.O.
  - 29.SOUND ATTENUATION BATT, 3.5" THERMAFIBER OR EQUAL BETWEEN STUDS
  - 30.
  - 31.
  - 32.
  - 33.FLIP DOOR
  - 34.REMOVE REDWOOD & REPLACE W/ 12" GYP BRD
  - 35.REMOVE ROOM DIVIDER
  - 36.DOORS CAN SWING INTO ROOM AS OCCUPANT LOAD UNDER 50 - IBC 2009 1008.1.2 (CLASSROOM - #1 & 2 - 706 SF/20 NET = 36 DOC LOAD)

date issued: 8/27/18

BID: 8/27/18

PERMIT:

CONTR.:

revision: REV 1 5/23/19

scope: MISCELLANEOUS IMPROVEMENTS

project/owner: Martin Luther Ev. Lutheran Church  
10151 Sappington Rd  
Sunset Hills, MO

date sealed: 2/19/19  
5/23/19

project code: dlr:

file:

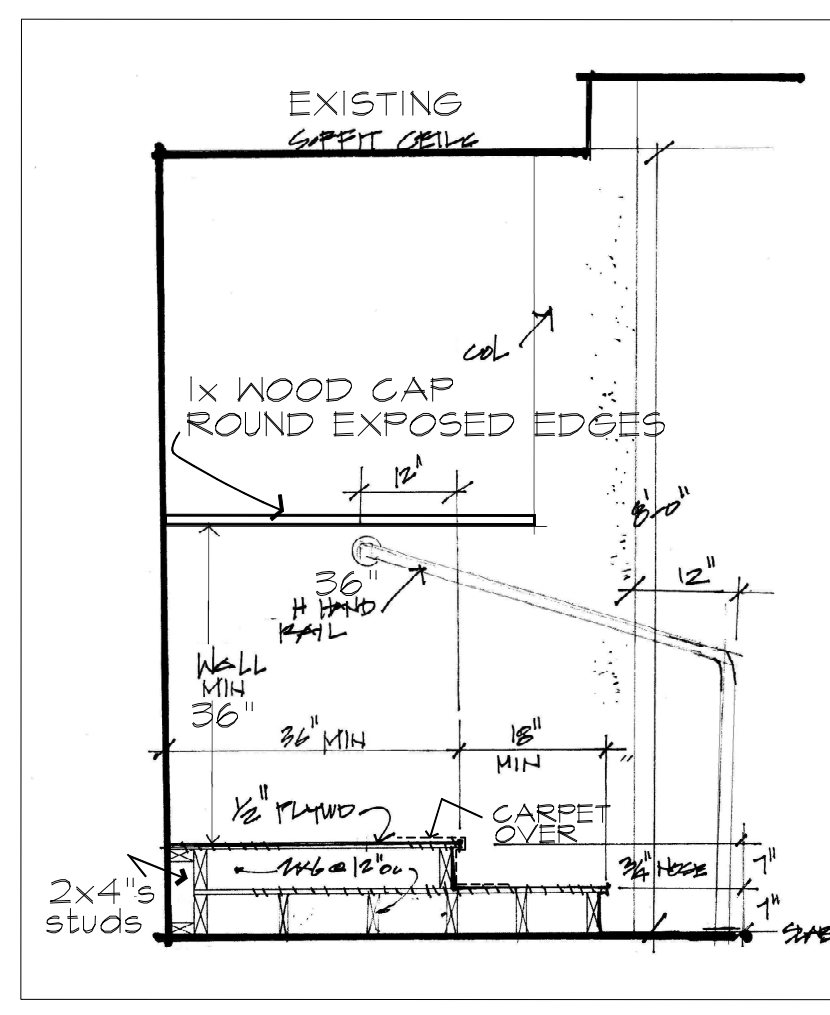
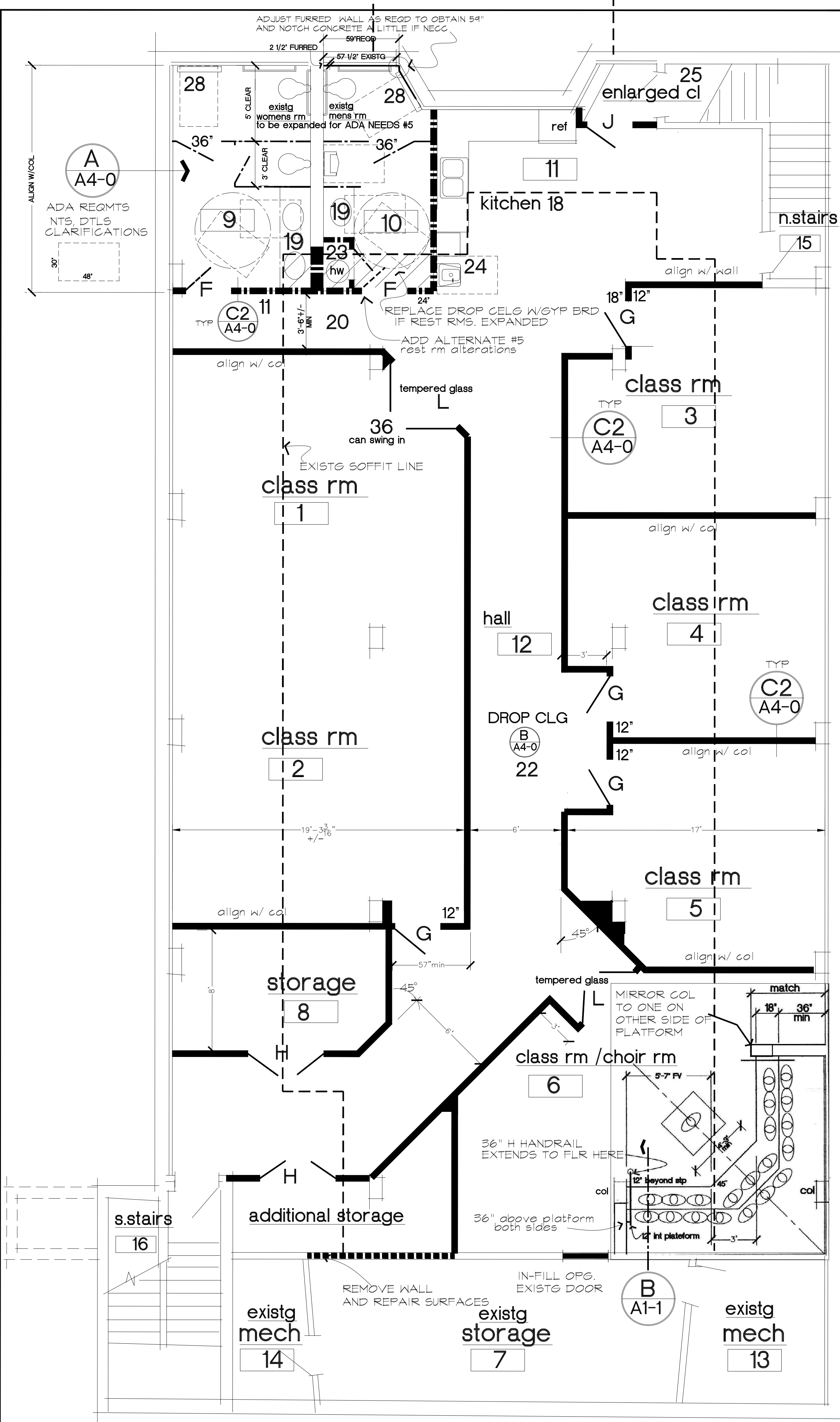
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drawing title: DEMO/EXISTG PLNS  
NEW WORK at  
SANCTUARY BLDG

GCLINTON BORROR  
ARCHITECT/PLANNER  
AND ASSOCIATES  
606 938 9807

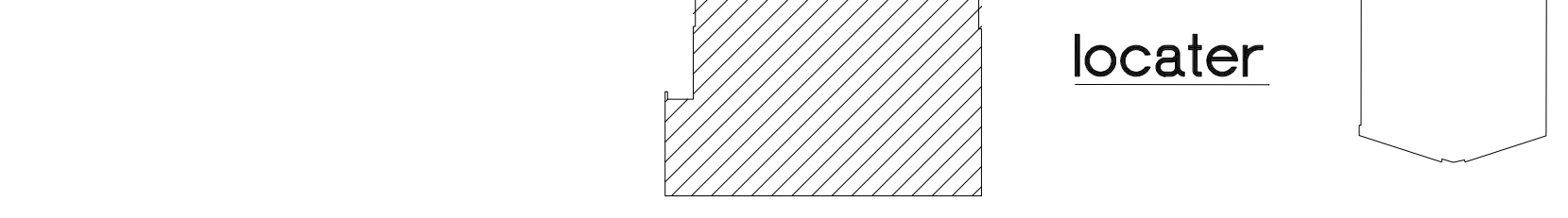
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A1-0





B SECT THRU CHOIR STEPS  
A1-1

NOTICE TO CONTRACTOR:  
THE INFORMATION ON THESE DRAWINGS IS BASED UPON INFORMATION SUPPLIED BY THE OWNER AND/OR PERCEIVED FIELD CONDITIONS. THE INFORMATION IS ACCURATE TO THE BEST OF OUR ABILITY, BUT IN NO WAY IS INTENDED TO IDENTIFY EXACT CONDITIONS. BIDDERS MUST HAVE VISITED THE SITE OF WORK AND VERIFIED THEIR INTENT AND THE CONDITIONS UNDER WHICH THEY WILL WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ACTUAL EXISTING CONDITIONS AND DIMENSIONS BEFORE CONSTRUCTION. CONTRACTOR SHOULD BE PREPARED TO MAKE NECESSARY ON THE JOB ADJUSTMENTS. THE ARCHITECT MUST BE INFORMED OF ANY SUCH ADJUSTMENTS FOR HIS APPROVAL. BEFORE SUCH ADJUSTMENTS ARE MADE, DO NOT SCALE DRAWINGS.



## BASEMENT

### A proposed basement plan

A1-1 1/4" scale (see A1-0 for additional notes)

- new partitions
- add alternate partitions
- all new partitions to be 5/8" type "x" fire rated & to reach mtl deck including gyp brd see dtl C2/A4-0

room finish schedule: *MAY CHANGE										
#	room name	floor	base	walls				ceiling		remarks
				N	E	S	W	mat'l	HT	
BASEMENT LEVEL										
										VO.
1	CHILDREN'S CLASSRM	21	49	17/51	17/51	17/51	51	36/12	36	
2	CHILDREN'S CLASSRM						51			
3	CHILDREN'S CLASSRM				51		17/51			
4	CHILDREN'S CLASSRM									
5	CHILDREN'S CLASSRM									
6	CHILDREN'S CLASSRM & CHOIR						51			
7	EXISTG STORAGE	36	36	17/51	17/51	17/51	51	36		
8	STORAGE	48	44	17/51	17/51	17/51	51	36/12		
9	EXISTG RESTROOM-WOMENS	48	44	51	51	51	51			
10	EXISTG RESTROOM-MENS	48	44	17/51	17/51	17/51	51			
11	EXISTING KITCHEN	48	44	↓	51	↓	17/51	↓		
12	CORRIDOR	21	44	17/51	17/51	↓	17/51	12		
13	EXISTG MECHANICAL RM	36	36	36	36	36	36	36		
14	EXISTGMECHANICAL RM			36	36	36	36	36		
15	N. BASEMENT STAIRS	↓	↓	51	51	51	51	51		
16	S. BASEMENT STAIRS			51	51	51	51	51		
GARDEN LEVEL										
100	NARTHEX	36	36	51	51	51	51	36		
101	ANTEROOM	48	44	51	20	51	51			
102	PASTOR OFFICE	21	36	↓	51	51	51			
103	WORK AREA	48	44							
104	GATHERING AREA	↓	↓	↓						
105	NURSERY	21	36	17/51						
106	HALL	48	44	51		17/51				
107	RESTROOM-WOMENS	48	44	17/51	17/51	20/51	17/51	12/46		USE EXISTING WOOD IF ADEQUATE
108	RESTROOM-MENS	48	44	↓	↓	↓	↓	↓		OR NEW ACOUSTIC TILE
109	PREP KITCHEN	48	44	17/51	17/51	51	17/51	12		
110	STORAGE	48	44	17/51	17/20/51	51	17/20/51	17/51		ADJACENT CORRIDOR TO 110 - CLG + WALLS 17/51
111	sanctuary/society/vestry			51	51	51	51	36		
112	FELLOWSHIP HALL	21/48	44	51	51	51	51			ADD LVT + ENTRY TO FELLOWSHIP HALL
113	MECHANICAL RM 1	36	36	36	36	36	36	↓	↓	

door schedule:									
A	DOUBLE DRG AT NARTHEX	SIZE	MTL	FIRE-RATED	DOOR TYPE	RM LOCATION	HT F.V.	NOTES	
		60"	5/8" MD	NO	G	100	84"	ELECTRO MAGNETIC HOLD OPEN - ON ALARM SYSTEM	
C	NURSERY DOOR	36"	"		F	105	80"	LEVER HANDLE, NO LOCK	
D	RESTROOM DOORS - MAIN FLOOR	36"	"		F	107/108		CLOSERS, NO LATCH, NO LOCK	
E	DOUBLE DRG - STORAGE - MAIN FLOOR	60"	"		F	110		ROLLER - LATCH (FELLOWSHIP HALL) LOCK	
F	RESTROOM DOORS - BASEMENT	36"	"		F	110		NO CLOSERS, NO LOCK, LEVER HANDLE	
G	CLASSROOM DOORS - BSMT	36"	"		F	2-5		LATCH, NO LOCK, LEVER HANDLE	
H	DOUBLE DRG - STORAGE - BASEMENT	60"	"		F	87		ROLLER - LATCH LOCK	
J	STORAGE CLOSET - BASEMENT	30"	"		F	11		LATCH LOCK	
K	CLOSET AT RESTROOM - MAIN FLOOR	30"	"		F	106		LATCH LOCK	
L	DOUBLE DRG - BSMT	64"	"		H	61		NO LOCK, LEVER HANDLE	
M	PASTOR OFFICE DOOR	36"	"		F	102		LEVER HANDLE, LOCK	
O	EXTERIOR, paint on inside to match walls	36"	STL		D	112	80"	LOCK	
P	EXTERIOR (REPLACE EXISTING)	42"	STL		D	101	84"	LOCK & PANIC BAR	

# Room Finish Schedule Keynotes:

1	UNFIN CONC	21	CARPET TILE	41	SERVICE SINK
2	CERAMIC TILE	22		42	STONE
3	QUARRY TILE	23		43	VINYL SHEET
4	CARPET	24	PORCELAIN TILE	44	VINYL TILE
5	RESILIENT TILE	25	FRAME	45	VINYL TREADS/RISERS
6	HARDWOOD	26	FOLDING PARTITION	46	WOOD
7	LINOLEUM	27	FLOOR SINK	47	LAY-IN WOOD CEILG W/MD BMS - ALT
8	UNFINISHED	28	GLASS	48	LVT - LUXURY VINYL TILE
9	EXISTG CLG HT	29	GLAZED TILE	49	VINYL CORVE BASE
10	LAY-IN ACOUSTIC BOARD	30	HOLLOW CORE WOOD	50	WINDOW SHADES
11	ALUMINUM	31	HOLLOW METAL	51	PAINT
12	ACOUSTIC TILE- DROP CLG	32	MATCH EXISTG	52	FRP - FIBER REINFORCED PLASTIC WALL PANELS - KITCHEN
13	BRICK	33	METAL	53	ACOUSTIC TILE - KITCHEN ZONE
14	CONCRETE BLOCK-PTD	34	PLASTER-PAINTED	54	STACK STONE VISUAL ELEMENT IN RECESSED AREA - ALT
15	CEILING	35	PLYWOOD		
16	CONCRETE (SEALED @ FLOORS)	36	NO CHANGE		
17	DRYHALL	37	SUPPLY PATCH & PAINT		
18	EXCEPT AS NOTED	38	SKIM COAT PLASTER - PTD		
19	EPOXY PAINT-WATER BASED	39	SOLID CORE WOOD		
20	EXISTING	40	SIMILAR		

A

INTERIOR  
1 3/4" SLAB  
WOOD DOOR

B

EXTERIOR  
1 3/4" SLAB  
ALUM.  
(MIN MTL)

C

EXTERIOR  
1 3/4" SLAB  
STEEL

D

INTERIOR  
2 1/4" SLAB  
WOOD DOOR

E

INTERIOR  
2 1/4" SLAB  
SOLID CORE  
WOOD DOOR  
NOT RATED

F

INTERIOR  
2 1/4" SLAB  
SOLID CORE  
WOOD DOOR  
NOT RATED

G

INTERIOR  
2 1/4" SLAB  
SOLID CORE  
WOOD DOOR  
NOT RATED

H

INTERIOR  
2 1/4" SLAB  
SOLID CORE  
WOOD DOOR  
NOT RATED

door types:

## key notes see a1-3e for additional keynotes on lighting)

- |   |  |
|---|--|
| KEYNOTES  |  |
| 1.REMOVE PARTITIONS   |  |
| 2.CONVERT STORAGE/PRINTING ROOM TO NURSERY  |  |
| 3.REMOVE KITCHEN AND APPLIANCES   |  |
| 4.Enlarge the Breakroom Entrance North Door   |  |
| a. Remove the existing door, frame, and hardware. Follow the opening for a new door.  |  |
| b. Provide new 1 3/4" x 7' 0" insulated hollow metal door to carry final.   |  |
| c. Install new 5' 4" x 7' 0" insulated hollow metal door and frame. Key new door to match existing key set.   |  |
| d. Include hardware: (4) heavy-duty hinges, rim exit device with lever trim, threshold, sweep, rain cap, weather-stripping.   |  |
| e. Patch walls and ceiling after demolition/installation.   |  |
| 5.REMOVE DOOR AND FRAME   |  |
| 6.REMOVE PARTITION TO OPEN NEW KITCHEN TO FELLOWSHIP HALL   |  |
| PROVIDE LINTEL: 21' MAX SPAN - (2) 1-3/4" X 11'-1/4" 1.5E T1 MICROLAM UL  |  |
| 7.REMOVE ALL FIXTURES   |  |
| 8.REMOVE PARTITION AND DOORWAY FOR ANGLED ENTRY (SEE A4-1) - PROVIDE LINTEL: (2) 1-3/4" X 9'-1/4" 1.5E T1 MICROLAM UL, REPAIR CEILING & FLOOR   |  |
| 9.REMOVE PARTITION AND DOORS TO REMODEL STORAGE AREA  |  |
| 10.   |  |
| 11. WALLS TO BE REMOVED   |  |
| 12.HOOK UPS FOR COFFEE STATION - OUTLET AND SMALL 1/4" WATERLINE, F.V. V.O.   |  |
| 13.OPEN PASS THROUGH LAMINATE COUNTER WITH CABINETS BELOW (NO CABINETS ABOVE) ("SERVICE COUNTER" CAN BE 36" HIGH PER ADA REQ.) LOWER CABINETS HAVE 1 DRAWER, WITH 1 OR 2 DOORS AND 1 SHELF IN CABINET |  |
| 14.BUILT INS WITH CABINETS ABOVE LAMINATE COUNTER ("WORK SURFACE" 34" HIGH COUNTER AND SINK PER ADA REQ.)   |  |
| CONTRACTOR TO SUBMIT DRWGOS FOR OWNER REVIEW  |  |
| 15.   |  |
| 16.   |  |
| 17.REMOVE DOORS, FRAMES, AND TRANSOMS   |  |
| 18.REMODEL EXISTING KITCHEN AS SHOWN FOR RESTROOM EXPANSION   |  |
| 19.NEW BATHROOM VANITIES WITH LAMINATE COUNTER TOP - (34" HIGH PER ADA REQ.) (WOOD TRIMMED PLUMBING COVER AT ACCESSIBLE VANITY AREA - OR EQUAL, V.O.)   |  |
| CONTRACTOR TO SUBMIT DWG/PHOTO  |  |
| 20.42" HALL WIDTH OK IF APPROACHING LATCH AND PUSHING DOOR IN AND NO CLOSERS; OTHERWISE HALLS TO BE 48" WIDE  |  |
| 21.DROP CEILING - 2X4 LAY-IN ACOUSTICAL TILE AT KITCHEN AREA TO CONCEAL DUCT WORK. EXTERIOR DROP CEILING TO EAST BEAM FACE AND TO HALL, V.O. (DTL B/A4-0)   |  |
| 22.REPAIR AND REPLACE DROP CEILING AS REQUIRED  |  |
| 23.MOVE BASEMENT WATER HEATER TO NEW CLOSET   |  |
| 24.ADD ADA AND STANDARD DRINKING FOUNTAINS AT MAIN FLOOR  |  |
| FOR BASEMENT RE-USE SALVAGED DRINKING FOUNTAIN FROM MAIN FLOOR  |  |
| AND ADA DRINKING FOUNTAIN   |  |
| 25.ADD 5/8" FIBER-X GYPSUM BOARD TO CLOSET CEILING UNDER STAIR  |  |
| WALLS SHOULD BE 5/8" ALSO - CHK THEM  |  |
| 26.ENLARGE DOOR TO S.F.T. EXISTING 3/4" WALL PER ORIG DWG HAVE 1/4" DOOR HERE   |  |
| (REQUIRED 1-1/2HRR FIRE-RESISTANCE RATING ON DOOR IN 2HR WALL)  |  |
| ELECTROMAGNETIC HOLD OPEN-CLOSERS AUTOMATICALLY WITH FIRE ALARM SYSTEM  |  |
| PROVIDE LINTEL: (4) 1-3/4" X 11'-1/4" 1.5E T1 MICROLAM UL   |  |
| W/O) 2X6'S SPP SOUTH STUD NAILED BUILT UP WOOD COLS @ EA END  |  |
| 27.   |  |
| 28.FOLD UP BABY CHANGING TABLE "FOUNDATIONS" OR EQUAL, V.O.   |  |
| 29.SOUND ATTENUATION BATT, 3.5" THERMAFIBER OR EQUAL BETWEEN STUDS  |  |
| 30.   |  |
| 31.   |  |
| 32.   |  |
| 33.FLUP DOOR  |  |
| 34.REMOVE REDWOOD & REPLACE W/ 1/2" GYP BRD   |  |
| 35.REMOVE ROOM DIVIDER  |  |
| 36.DOORS CAN SWING INTO ROOM AS OCCUPANT LOAD UNDER 50 - 18C 2009 1008.1.2 (CLASSROOM #1 & 2 - 706 SF/20 NET = 36 CCLD)   |  |

date issued: 8/27/18

PERMIT:

CONTR.:

revision: REV 1 5/23/19

scope:

MISCELLANEOUS IMPROVEMENTS

project/owner: Martin Luther Ev. Lutheran Church 10151 Sappington Rd Sunset Hills, MO

date sealed: 2/19/19 5/23/19

project code: dir:

file:

bike:

drawing title: PROPOSED BASEMENT

GCLINTON BORROR ARCHITECT/PLANNER AND ASSOCIATES 606 938 9807

sheet: 5 of 8 A1-1



#	room name	floor	base	walls				ceiling		remarks
				N	E	S	W	mat'l	HT	
	<b>BASEMENT LEVEL</b>									vo.
1	CHILDREN'S CLASSRM	21	49	17/51	17/51	17/51	51	36/12	36	
2	CHILDREN'S CLASSRM				17/51		51			
3	CHILDREN'S CLASSRM				51		17/51			
4	CHILDREN'S CLASSRM									
5	CHILDREN'S CLASSRM									
6	CHILDREN'S CLASSRM & CHOIR						51			
7	EXISTG STORAGE	36	36	17/51			51	51	36	
8	STORAGE	48	49	17/51	17/51	17/51	51	36/12		
9	EXISTG RESTROOM-WOMENS	48	49	51	51					
10	EXISTG-RESTROOM-MENS	48	49		17/51					
11	EXISTING KITCHEN	48	49				17/51			
12	CORRIDOR	21	49	17/51	17/51			17/51		
13	EXISTG MECHANICAL RM	36	36	36	36	36	36	36	36	
14	EXISTGMECHANICAL RM			36	36	36	36	36	36	
15	N. BASEMENT STAIRS			51	51	51	51	51		
16	S. BASEMENT STAIRS			51	51	51	51	51		

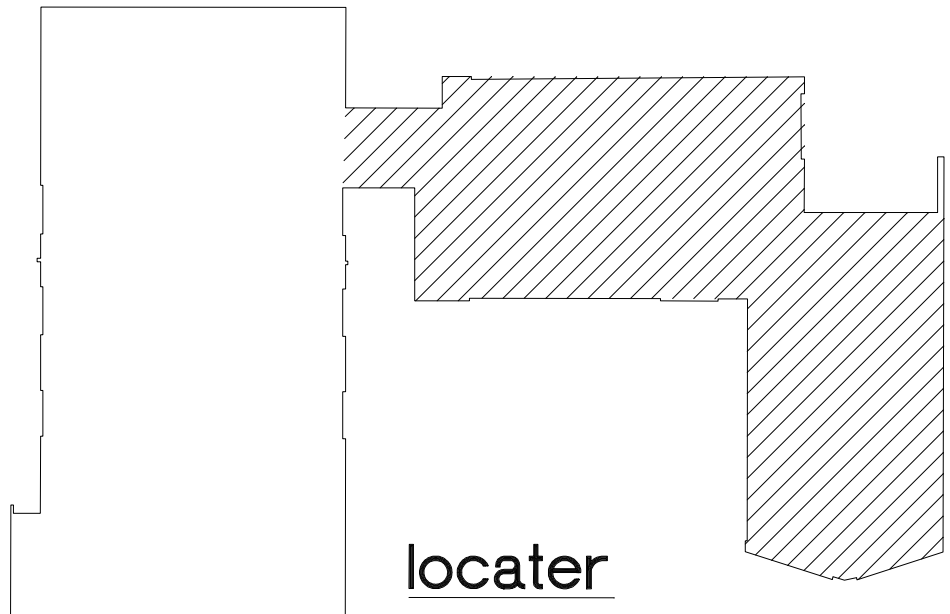
00	NARTHEX	36	36	51	51	51	51	36				
01	ANTEROOM	48	48	51	20	51	51					
02	PASTOR OFFICE	21	36		51	51	51					
03	WORK AREA	48	48									
04	GATHERING AREA		48									
05	NURSERY	21	36	17.5	↓		↓					
06	HALL	48	48	51		17.5	↓					
07	RESTROOM-WOMENS	48	48	17.5	17.5	20.5	17.5	12.46				
08	RESTROOM-MENS	48	48	17.5	17.5		17.5					
09	KITCHEN	48	48	17.5	17.5		17.5					
10	STORAGE	48	48	17.5	17.20.5		17.20.5	17.5				
11	sanctuary/sacristy/vestry			51	51	51	51	36				
12	FELLOWSHIP HALL	21/48	48	51	51	51	51					
13	MECHANICAL RM 1	36	36	36	36	36	36			↓		

		S/E	MTR.	RATED	TYPE	RN LOCATION	HT F.V.	NOTES
A	DOUBLE DRS AT NARTHEX	36"	5.0	40 MIN	G	100		ELECTRIC MAGNETIC HOLD OPEN - ON ALARM SYSTEM
C	NURSERY DOOR	36"			F	105	80"	LEVER HANDLE, NO LOCK
D	RESTROOM DOORS - MAIN FLOOR	36"			F	101/108		CLOSERS, NO LATCH, NO LOCK
E	DOUBLE DRS - STORAGE - MAIN FLOOR	60"			F	110		ROLLER - LATCH (FELLDOWNSHIF WALL) LOCK
F	RESTROOM DOORS - BASEMENT	36"			F	81.10		NO CLOSERS, NO LOCK, LEVER HANDLE
G	CLASSROOM DOORS - BSMT	36"			F	2-5		LATCH, NO LOCK, LEVER HANDLE
H	DOUBLE DRS - STORAGE - BASEMENT	60"			F	8.7		ROLLER - LATCH, LOCK
J	STORAGE CLOSET - BASEMENT	30"			F			LATCH, LOCK
K	CLOSET AT RESTROOM - MAIN FLOOR	30"			F	102		LATCH, LOCK
L	DOUBLE DRS - BSMT	64"			H	61		NO LOCK, LEVER HANDLE
M	PASTOR OFFICE DOOR	36"			F	106	✓	LEVER HANDLE, LOCK
O	EXTERIOR paint on inside to match walls	36"	STL		D	112	80"	LOCK
P	EXTERIOR (REPLACE EXISTING)	42"	STL		D	101	84"	LOCK & PANIC BAR

13	UNFIN CONG	21	CARPET TILE	41	SERVICE SINK
14	CERAMIC TILE	22	STONE	42	STONE
15	QUARRY TILE	23		43	VINYL SHEET
16	CARPET	24	PORCELAIN TILE	44	VINYL TILE
17	RESILIENT TILE	25	FRAME	45	VINYL TREADS/RISERS
18	HAWAII	26	FOLDING PARTITION	46	WOOD
19	LINOLEUM	27	FLOOR SKIN	47	LVT-IN WOOD CELLS W/WD BMS - ALT
20	UNFINISHED	28	GLASS	48	LVT- LUXURY VINYL TILE
21	EXISTING CLG HT	29	GLAZED TILE	49	VINYL GOVE BASE
22	10'-LX-IN ACUSTIC BOLD CLG	30	HOLLOW CORE WOOD	50	KINDOEN SHADES
23	ALUMINUM	31	HOLLOW METAL	51	PAINT
24	ACUSTIC TILE- DROP CLG	32	EXTER	52	FIBER REINFORCED PLASTIC WALL PANELS - KITCHEN
25	BRICK	33	METAL	53	ACUSTIC TILE - KITCHEN ZONE
26	CONCRETE BLOCK-PTD	34	PAINTE-PAINTED	54	STOCK STONE VINYL ELEMENT IN RECESSED AREA - ALT
27	CEILING	35	PLYWOOD		
28	CONCRETE (SEALED @ FLOORS)	36	NO CHANGE		
29	DRYWALL	37	SUFFICE PATCH & PAINT		
30	EXCEPT AS NOTED	38	SKIM COAT PLASTER - PTD		
31	INTERIY PAINT-WATER BASED	39	SOLID CORE WOOD		
32	EXISTING	40	SIMILAR		

[illegible]

A1-2 1/4" scale



## locator

all new partitons to be 5/8" type "x" fire rated  
unless noted otherwise

REMOVE PARTITIONS

2. CONVERT STORAGE/PRINTING ROOM TO NURSERY

3. REMOVE KITCHEN AND APPLIANCES

a. Enlarge the three-way entrance North Door

- a. Remove the existing door, frame, and hardware. Enlarge the opening for a new door.
- b. Provide new hand near door. Provide new cabinet handle close to entry blind.
- c. Install new 3" x 7" x 7" insulated hollow metal door frame. Key new door to match existing key sets.
- d. Include hardware: (4) heavy-duty hinges, rim exit device with lower trim, threshold, screws, rain cap, weatherstripping.
- e. Patch walls and ceiling after demolition/finish.

5. REMOVE DOOR AND FRAME

6. MAKE PARTITION TO OPEN NEW KITCHEN TO KITCHEN HALL

PROVIDE UNTEL: 32" MAX SPAN - (1) 3/4 X 1/4 X 1.56 TC MICROLAM IVL

7. REMOVE ALL FIXTURES

8. REMOVE PARTITION AND DOORWAY FOR ANGLED ENTRY (SEE A4-1) - PROVIDE UNTEL: (2) 1/4 X 9/16 X 1.56 TC MICROLAM IVL, REPAIR CEILING & FLOOR

9. REMOVE PARTITION AND DOORS TO REMODEL STORAGE AREA

10.

11. WALLS TO BE REMOVED

12. HOOK-UPS FOR COFFEE STATION - OUTLET AND SMALL 1/4" WATERLINE, F.V., YD.

13. OPEN PASS THROUGH LAMINATE CABINETS WITH CABINETS BELOW (NO CABINETS ABOVE) ("SERVICE COUNTER") CAN BE 36" HIGH PER ADA REG. LOWER CABINETS HAVE 1 DRAWER WITH 1 OR 2 CUBES AND 1 SHELF IN CABINET

14. BUILD-INS WITH DOORS ABOVE, LAMINATE COUNTER

"WORK SURFACE" 34" HIGH COUNTER AND SINK PER ADA REG.

● CONTRACTOR TO SUBMIT DRAWING FOR OWNER REVIEW

15.

16.

17. REMOVE DOORS, FRAMES, AND TRANSOMS

18. REMODEL EXISTING KITCHEN AS SHOWN FOR RESTROOM EXPANSION

19. NEW BATHROOM VANITIES WITH LAMINATE COUNTER TOP - (34" HIGH PER ADA REG.) WOOD TRIMMED PLUMBING COVER AT ACCESSIBLE VANITY AREA - OR EQUAL, V.O.

● CONTRACTOR TO SUBMIT SWITCH OR PHOTO

20. 42" HALL WIDTH OR IF APPROACHING LATCH AND PUSHING DOOR IN AND NO CLOSERS; OTHERWISE HALL HAS TO BE 48" WIDE

21. DROP CEILING - 2X4 LAY-IN ACoustICAL TILE AT KITCHEN AREA TO CONCEAL DUCT WORK. EXTEND DROP CEILING TO EAST BAY AREA AND TO HALL, V.O. (DTL A4-W-0)

22. REPAIR AND REPLACE DROP CEILING AS REQUIRED

23. MOVE BASEMENT WATER HEATER TO NEW CLOSET

24. ADD ADA AND STANDARD DRINKING FOUNTAINS AT MAIN FLOOR FOR BASEMENT RE-USE SAWAGED DRINKING FOUNTAIN FROM MAIN FLOOR AND ADA DRINKING FOUNTAIN

25. ADD 5/8" FIRE X OFFSPRINT BOUND TO CLOSING CEILING UNDER STAIR

WALLS SHOULD BE 5/8" ALSO - CHR ITEM

26. ENLARGE DOOR TO 4 FT. EXISTING 2WR HALL (PER ORG DWG HAVE 3WR DOOR HERE)

(REQUIRED 1-1/2HRS FIRE-RESISTANCE RATING ON DOOR IN 2WR WALL)

ELECTROMAGNETIC HALL OPEN CLOSERS AUTOMATICALLY WITH FIRE ALARM SYSTEM

PROVIDE UNTEL - (4) 1/4 X 1/4 X 1.56 TC MICROLAM IVL (W/ 2X5 SPF SOUTH STUD NAILED BUILT UP WOOD CLOS @ EA END

27.

28. FOLD UP BABY CHANGING TABLE "FOUNDATIONS" OR EQUAL, V.O.

29. SOUND ATTENUATION BATS, 3.5" THERMAFORM OR EQUAL BETWEEN STUDS

30.

31.

32.

33. FLUP DOOR

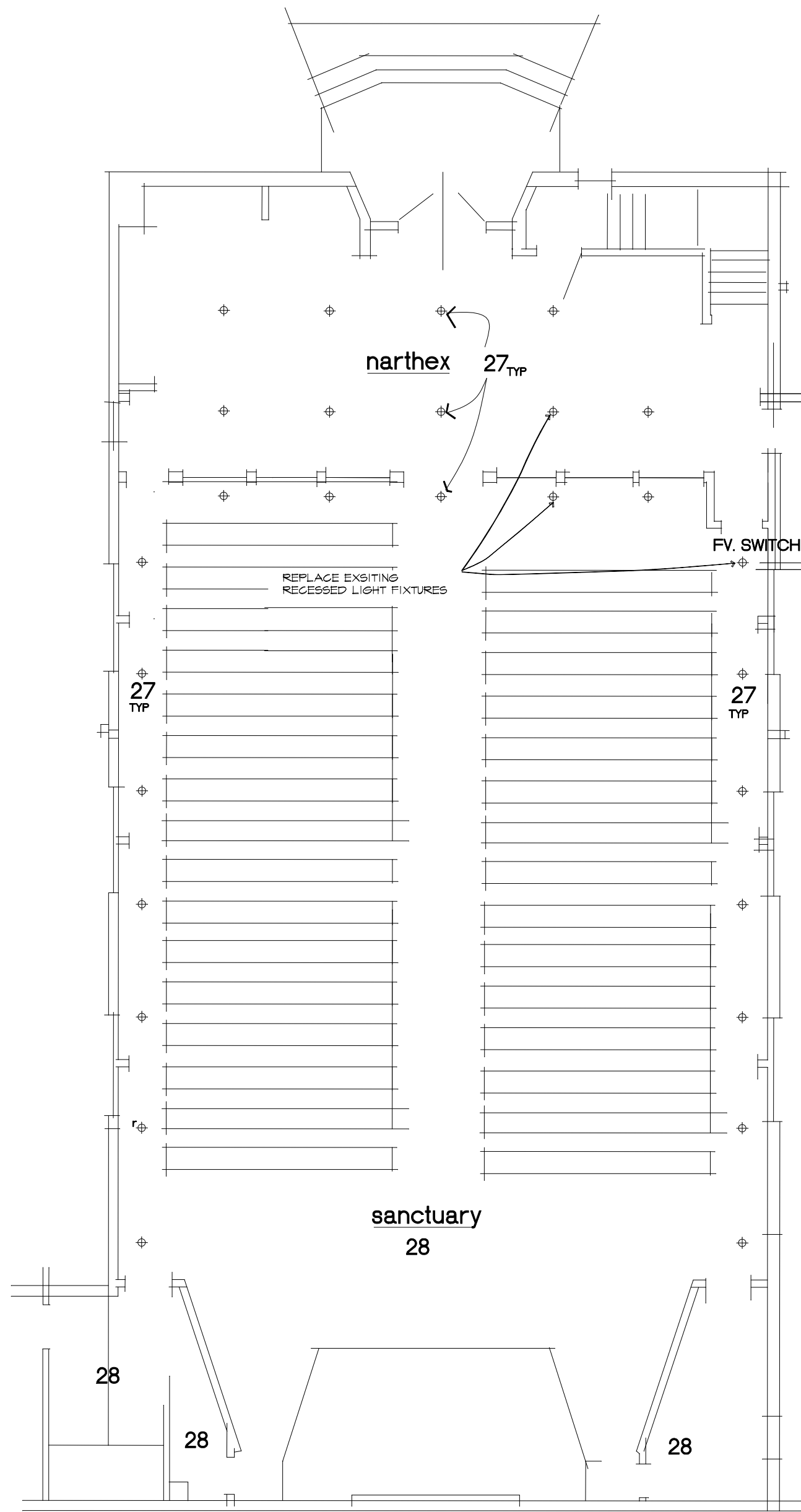
34. REMOVE REDWOOD & REPLACE W/ 12" CYP BRD

35. REMOVE ROOM DIVIDER

36. DOORS CAN SWING INTO ROOM AS OCCUPANT LOAD UNDER SO - IBC 2009 1008.1.2 (CLASSROOM: #1 & 2 - 705 SF/20 SEAT = 35 OCC (MAX))

sheet: 6 of 8





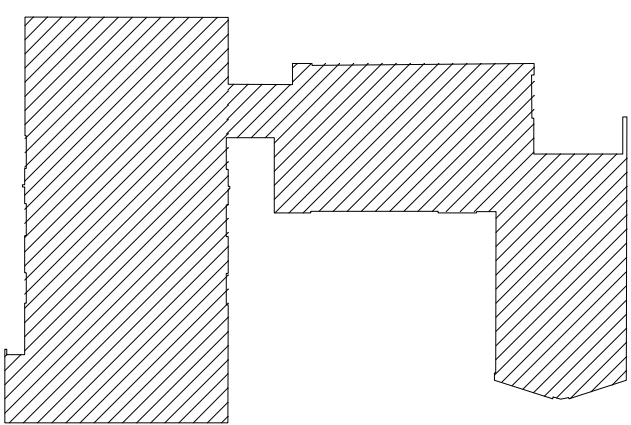
garden level

### DISCLAIMER

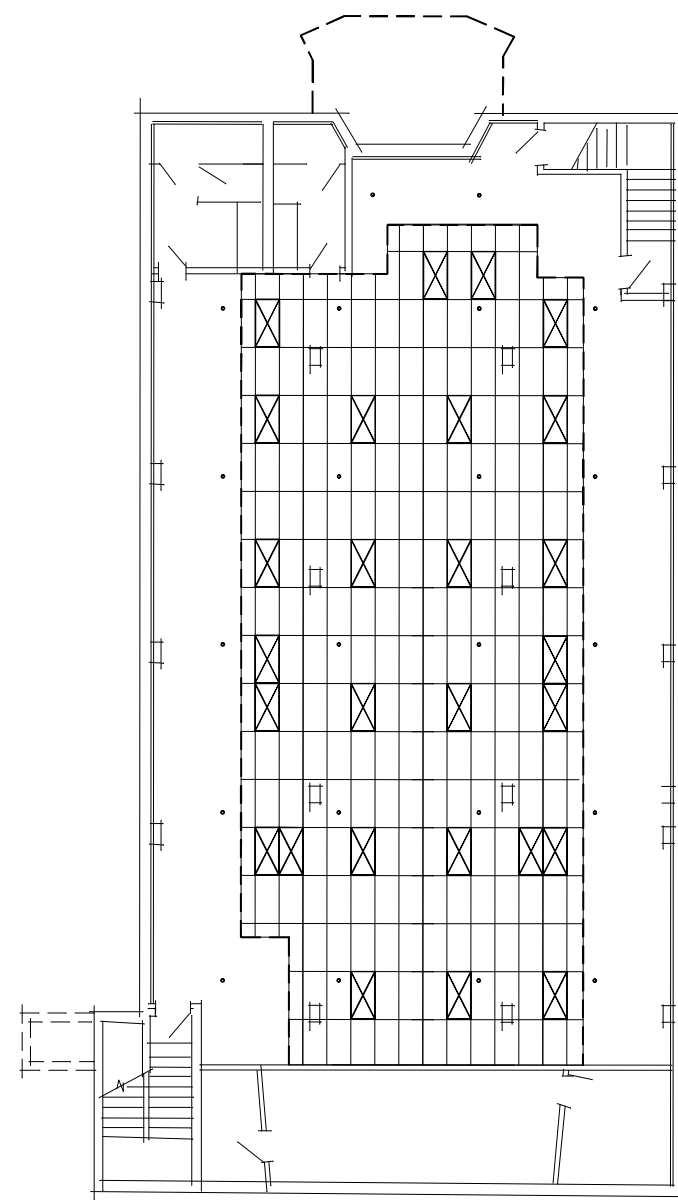
THIS ELECTRICAL AND SOME MINOR SPRINKLER CHANGES ON SHEET A1-3e ARE FOR BID PURPOSES ONLY AND ARE NOT THE FINAL MECHANICAL, ELECTRICAL, SPRINKLER, AND PLUMBING DESIGN, AND ARE TO IMPLY LOCATION AND NEED FOR ELECTRICAL AND SPRINKLER ELEMENTS, AND ARE TO AID THE CONTRACTOR IN FORMING A BID - ONLY. AFTER THE CONTRACTOR HAS BEEN SELECTED, A MECHANICAL ENGINEER WILL BE REQUIRED TO EVALUATE AND COMPLETE THE MECHANICAL, ELECTRICAL, PLUMBING, AND SPRINKLER DESIGN, AND AT THAT TIME THE CONTRACTOR WILL HAVE THE OPTION TO RE-VISIT HIS BID ON THIS PARTICULAR ITEM.

### NOTICE TO CONTRACTOR :

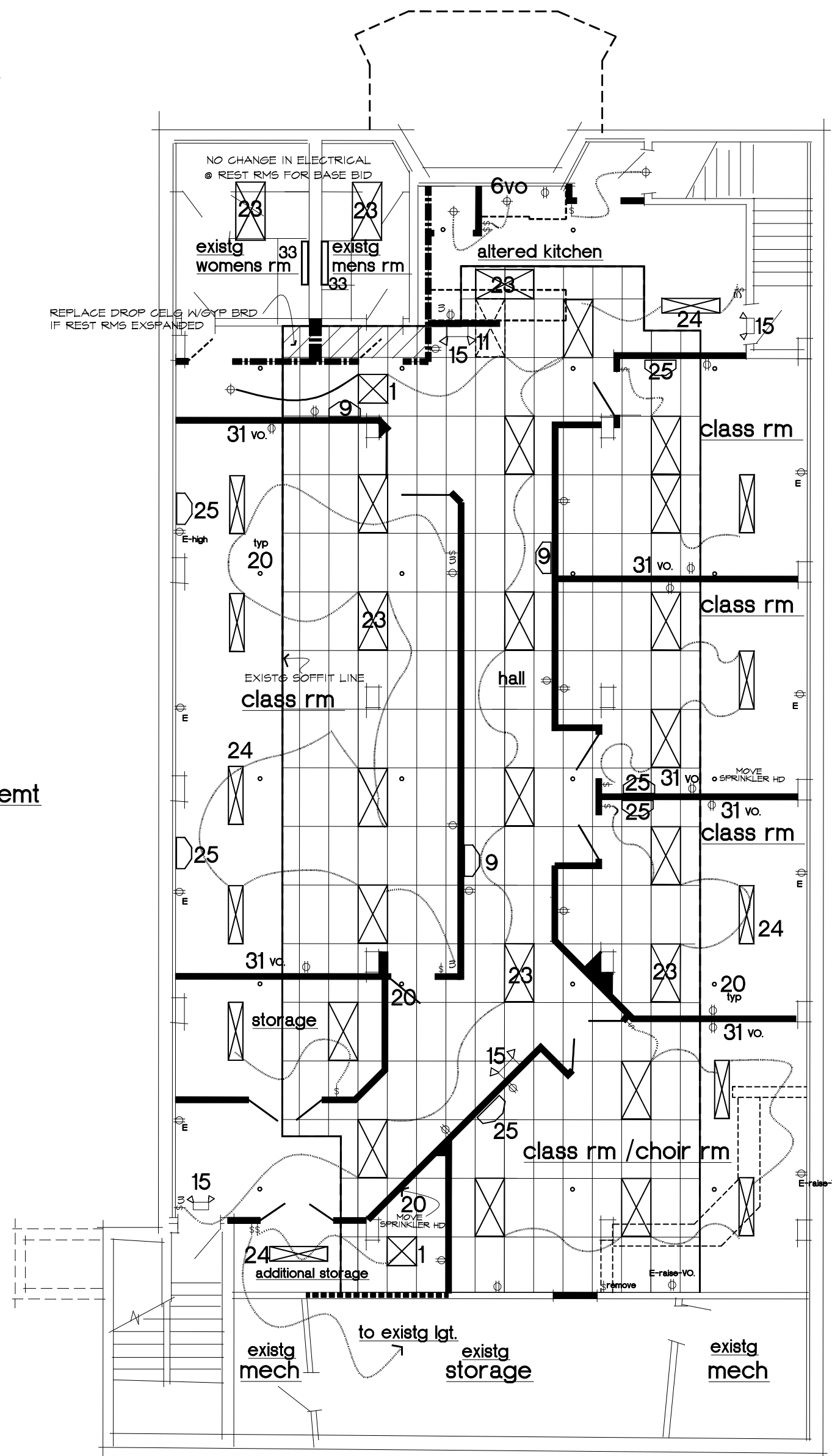
THE INFORMATION ON THESE DRAWINGS IS BASED UPON INFORMATION SUPPLIED BY THE OWNER AND/OR PERCEIVED FIELD CONDITIONS. THE INFORMATION IS ACCURATE TO THE BEST OF OUR ABILITY, BUT IN NO WAY IS INTENDED TO IDENTIFY EXACT CONDITIONS. BIDDERS MUST HAVE VISITED THE SITE OF WORK AND VERIFIED THEIR INTENT AND THE CONDITIONS UNDER WHICH THEY WILL WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ACTUAL EXISTING CONDITIONS AND DIMENSIONS BEFORE CONSTRUCTION. CONTRACTOR SHOULD BE PREPARED TO MAKE NECESSARY ON THE JOB ADJUSTMENTS. THE ARCHITECT MUST BE INFORMED OF ANY SUCH ADJUSTMENTS FOR HIS APPROVAL, BEFORE SUCH ADJUSTMENTS ARE MADE. DO NOT SCALE DRAWINGS.



locator



approx existg ceilg plan at basemt  
1/16" scale



proposed reflected ceilg plan at basemt  
1/8" scale

proposed garden level plan  
1/8" scale

for tpical suspended clg details

### electrical bidding issues:

### electrical key notes

### legend (NOT ALL SYMBOLS USED)

- E = EXISTING
- ⊕ = ELECTRIC RECEPTACLE
- T = DATA OUTLET
- SC = SECURITY CAMERA MONITOR
- ⊕ = LIGHTING
- ⊕<sub>r</sub> = LIGHTING recessed
- ⊕<sub>g</sub> = ELECTRIC RECEPTACLE - ground fault
- 2x2
- 1x4
- 2x4
- sprinklers (existing only)
- fan
- ill exit sign only
- 15 comb emergency lt/exit sign
- 9 emergency light only - corridor
- 25 emergency light only

SEE GENERAL NOTES - ELECTRIC & FIRE SAFETY - ON FIRE ALARM & DETECTION SYSTEM, MANUAL FIRE ALARM BOX, EMERGENCY & EXIT LIGHTS WITH BATTERY BACK-UP. EXISTING FIRE ALARM & DETECTION SYSTEMS, EMERGENCY & EXIT LIGHTING WITH BATTERY BACK-UP, MANUAL FIRE ALARM BOXES, ETC. SHOULD BE FIELD VERIFIED FOR GOOD WORKING ORDER AND CONFORMANCE WITH APPLICABLE CODES. ANY OTHER FIRE PROTECTIONS REQUIRED BY MUNICIPALITY AND PERTINENT CODES SHALL BE PROVIDED. CHECK ALL LIGHTS, OUTLETS, ALL ELECTRIC INCLUDING SUB-FEED, IN AREA OF PROJECT SCOPE, FOR WORKING ORDER, SAFE CONDITION, REPAIR OR REPLACE AS NEEDED. TEST ALL EMERGENCY LIGHTS AND EXIT SIGNS FOR WORKING ORDER AND COMPLIANCE WITH APPLICABLE CODE REQUIREMENTS. REPAIR OR REPLACE AS NEEDED. TEST FIRE ALARM PROTECTION SYSTEM DEVICES INCLUDING SAFETY ALARMS FOR WORKING ORDER AND COMPLIANCE WITH APPLICABLE CODE REQUIREMENTS. REPAIR OR REPLACE AS NEEDED.

NEW ELECTRIC WORK:  
NEW RECEPTACLES TO BE INSTALLED - CONTRACTOR TO DO A WALK THROUGH WITH OWNER AFTER ROUGH-IN TO VERIFY EXISTING UNDISTURBED RECEPTACLES AND NEW RECEPTACLES TO BE INSTALLED.

COMPUTER DATA OUTLETS - CONTRACTOR TO DO A WALK THROUGH WITH OWNER TO VERIFY LOCATION OF NEW COMPUTER DATA OUTLETS TO BE INSTALLED.

BID SHOULD INCLUDE UNIT COST PROVISION FOR COST PER ITEM FOR ADDITIONAL RECEPTACLES, DATA OUTLETS, ETC. TO BE ADDED ON ITEMS THAT MAY HAVE BEEN MISSED. V.O., F.V.

LIGHTS, FANS - SEE PLAN, V.O.

- 1 2 X 2 LED DROP-IN LIGHT
- 2 1 X 4 LED DROP-IN LIGHT
- 3 BULBHEAD
- 4 PENDENT
- 5 TURN FIXTURE, REPAIR/PATCH CEILING DECK AS REQUIRED, V.O.
- 6 NEW LED CAN LIGHTS
- 7 REPLACE EXISTING EMERGENCY COMBO LIGHT WITH BATTERY BACK-UP FOR SAFE WORKING ORDER AND COMPLIANCE WITH APPLICABLE CODE REQUIREMENTS. TEST. REPAIR OR REPLACE AS NEEDED.
- 8 REPLACE EXISTING EMERGENCY COMBO LIGHT WITH BATTERY BACK-UP FOR SAFE WORKING ORDER AND COMPLIANCE WITH APPLICABLE CODE REQUIREMENTS. TEST. REPAIR OR REPLACE AS NEEDED.
- 9 NEW EMERGENCY LIGHTING IN CORRIDORS WHERE REQUIRED - AVERAGE ILLUMINATION 1 FOOT-CANDLE (11 LUX) W/ 90 MIN. BACK-UP REQUIRED. CHECK EXISTING EMERGENCY LIGHTING WITH BATTERY BACK-UP FOR SAFE WORKING ORDER AND COMPLIANCE WITH APPLICABLE CODE REQUIREMENTS. TEST. REPAIR OR REPLACE AS NEEDED.
- 10 WALL MOUNTED LED FIXTURE
- 11 REMOVE EXISTG FIXTURE BUT EXTEND EXISTG ELECTRICAL WIRING FOR NEW LOCATION OF NEW FIXTURES, CLEAN & REPAIR DECK AS REQUIRED, COVER BOX WITH PRESENTABLE BOX COVER IF REQUIRED
- 12 REPLACE EXISTING WITH CONTEMPORARY SUSPENDED 2 X 4 LED LIGHT
- 13 NEW PENDANT LIGHT AT WORK SPACE, V.O.
- 14 NEW DROP CEILING 2X2 PANELS. PROVIDE FACIA TO TERMINATE DROP CEILING AT KITCHEN
- 15 NEW EXIT SIGN/EMERGENCY COMBO LIGHT WITH BATTERY BACK-UP
- 16 FAN ONLY
- 17 NEW LIGHTED DIRECTIONAL EXIT SIGNS W/ 90 MIN BATTERY BACK-UP
- 18 NEW LIGHTED EXIT SIGNS W/ 90 MIN BATTERY BACK-UP
- 19 ADDITIONAL ELEC RECEPTACLES AS NEEDED FOR COFFEE MACHINE, MICROWAVE, ETC., V.O.
- 20 APPROXIMATE LOCATION OF EXISTING SPRINKLERS. SPRINKLER SUPPLIER TO INSPECT SPRINKLERS AND PROVIDE A PROPOSAL FOR ALTERATIONS AS REQUIRED BY CODE.
- 21 NEW 2 X 4 LED FLUSH MOUNTED CEILING LIGHT
- 22 RELOCATE SWITCHES & WIRE AS REQUIRED
- 23 NEW 2 X 4 LED DROP-IN LIGHT
- 24 1 X 4 LED CEILING SURFACE-MOUNTED SUSPENDED LIGHT
- 25 REPLACE LIGHT FIXTURES IN SANCTUARY SIDE AISLES AND NARTHEX
- 26 ADD SANCTUARY SACRISTY VESTRY, & STAIR TO SMOKE DETECTION SYSTEM
- 27 REPLACE LIGHT FIXTURES IN SANCTUARY SIDE AISLES AND NARTHEX
- 28 ADD 1" CONDUIT WITH PULL CABLE BETWEEN BALCONY STORAGE ROOM AND CEILING PLENUM OF NEW KITCHEN FOR FUTURE TECH. USE
- 29 AT CENTER OF EACH CLASSROOM LONG WALL ADD:
  1. ELEC RECEPTACLE AT 18" H
  2. ELEC RECEPTACLE AT 60" H
  3. EMPTY CONDUIT FROM ABOVE CEILING TO 18" H
  4. EMPTY CONDUIT FROM 18" TO 60" H
- 30 REMOVE EXISTG FIXTURE COVER BOX WITH PRESENTABLE BOX COVER
- 31 VALENCE FIXTURE OVER VANITY
- 32 NEW POWER OUT FOR FUTURE PROJECTOR- VO
- 33 CHECK EXISTING EMERGENCY LIGHTING WITH BATTERY BACK-UP FOR SAFE WORKING ORDER AND COMPLIANCE WITH APPLICABLE CODE REQUIREMENTS. TEST. REPAIR OR REPLACE AS NEEDED.

date issued:

BID: 8/27/18

PERMIT:

CONTR.:

revision:

REV 1 5/23/19

scope:

MISCELLANEOUS IMPROVEMENTS

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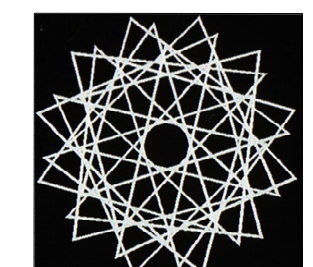
dir:

file:

bks:

drawing title:

electrical and sprinkler  
bidding issues:



GCLINTON BORROR  
ARCHITECT/PLANNER  
AND ASSOCIATES  
636 938 9807

sheet: 7 of 8

A1-3e



