

- Existing Asphact ORIGINAL BUILDING ADDITION Thick thick TO BE RENOVED INTO STOAM WATER SEVER PAVING POPEL POPEL 390 KON EVEL 2/0.37 AREA TRACT 3.35 ACRES NO OF FULL EMPLOYEES HO OF EMPLEY VEHICLES PRESENT SEA WIG GARACITY HEIGHT OF MAIN FLOOR TO PRAK HEIGHT OF STEPLE ABOVE ROOF LOCATION) RESPO SPACES 180+1 45+1 = 46 SPACES PROVIDED (MAINITATE) - 46.

> 1980 survey provided by owner NO SCALE

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 SANCTUARY FIRE AREA FIRE AREA garden level NARTHEX FIRE AREA #2 sprinklered (primary exiting from areas #2 and #3) CLASS ROOMS FIRE AREA #2 sprinklered

# special notes:

basement

ABBREVIATIONS: ALT. - ALTERNATE BID EJ. – EXPANSION JT FV. - FIELD VERIFY CJ. - CONTROL JOINT VA. - VERIFY W/ ARCHITECT NC. - NOT IN CONTRACT

NTS - NOT TO SCALE VM. - VERIFY WITH MANUFACTURER

VO. - VERIFY WITH THE OWNER/CLIENT 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 INDENTIFY EXACT CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ACTUAL CONDITIONS BEFORE CONSTRUCTION.

. DO NOT SCALE DRAWINGS. . GEN CONTRACTOR SHALL VERIFY ALL THE EXISTING CONDITIONS AND DIMENSIONS.

### (unless noted otherwise)

ADD ALTERNATE WALL

----- BEAM CENTER LINES

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.

■■■■ EXISTG PARTITIONS, EXISTG TO REMOVE IMPLIED BY SMALL DASHED LINEWORK.

## |code box:

CODE BOX - 2009 IEBC, 2009 IBC MISCELLANEOUS IMPROVEMENTS/REMODEL TO EXISTING BUILDING, NO ADDITION ASIDE FROM SMALL STORAGE AREA, NO INCREASED OCCUPANT LOAD (-1)

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)

SMALL STORAGE ADDITION - 151 SF +-SPRINKLER SUPPRESSION & EXITS - 3 FIRE AREAS

2 HOUR FIRE BARRIER BETWEEN NARTHEX AND LOBBY

1. 1969 BUILDING (FELLOWSHIP HALL & OFFICE AREAS) & (1980) ANTEROOM 3400 SF +-2 HOUR FIRE BARRIER BETWEEN LOBBY AND NARTHEX NOT SPRINKLERED, 3 EXITS 2. 1980 BUILDING ADDITION (BASEMENT & NARTHEX) 4939 SF +-

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 (THE STEEL JOISTS ARE NOT

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 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

MAIN FLOOR KITCHEN OVEN/RANGE/HOOD - IMC 2009 507.2.1 - A TYPE I HOOD IS REQUIRED IF A RANGE IS INSTALLED. 507.2.2 – WITH NO RANGE, BUT INSTEAD A CONVECTION OVEN THAT PRODUCES NO GREASE OR SMOKE, A TYPE II HOOD IS NOT REQUIRED IF THE HEAT AND MOISTURE FROM SUCH APPLIANCES IS INCORPORATED INTO THE HVAC SYSTEM DESIGN OR THE DESIGN OF A SEPARATE REMOVAL SYSTEM

### ADD/ALTERNATE LIST:

- PLATFORM LIFT
- 2. REPLACE LIGHT FIXTURES IN SANCTUARY SIDE AISLES AND NARTHEX 3. POWER DOOR OPENER AT NEW DOOR OPENING AT NARTHEX 4. MAIN LEVEL KITCHEN RANGE WITH OVEN HOOD
- 5. BASEMENT BATHROOMS REMODELED TO ADA AND REMODEL BSMT KITCHEN ALSO 6. ADD SANCTUARY TO SMOKE DETECTION SYSTEM
- 7. STORAGE ADDITION RM 114 OFF OF FELLOWSHIP HALL 8. PAINT SANCTUARY, NARTHEX, AND ALL WOOD FASCIA AND SOFFITS ON BUILDING EXTERIOR OR COVER FASICA WITH METAL

symbols:

REVISION CHANGE (36) 36" DOOR SEE DETAIL 2A ON SHT 2A SEE ELEV 7B ON SHT 7

REFERENCE POINT SEE KEYNOTE 12 SEE KEYNOTE UNDER CARP. ty TV JACK

\$ MISC. RECEPTACLE  $\phi_{220}$  220 RECEPTACLE ⊕g GROUND-FAULT CIRCUIT RECEPT

Q QUAD RECEPTABLE SWITCH 3 WAY SMITCH

COMBINATION

2'x2' RECESSED FLUORESCENT FIXTURE W/ PARABLOIC LENS 2'x2' RECESSED FLUORESCENT FIXTURE

h ph PHONE JACK ds door speaker ☐ ic INTERCOM BATHVENT \$4 4 WAY SWITCH ⊕ LIGHT ⊕pc PULL CORD ACOUSTICAL DROP-IN

Or RECESSED LIGHT

EMERGENCY LIGHT

COMBO:EMERG LT \$ EXIT LT

SMOKE DETECTOR

ILLUMINATED EXIT LIGHT

VINYL DROP-IN

COPY OF SITE PLAN FROM 1980 FOR REFERENCE (PROVIDED BY THE OWNER) - CODE BOX \$ FIREAREAS DIAGRAM

### SPECIAL NOTES - SYMBOLS AERIALS OF EXISTG SITE

index:

AO-I (SHT 2) - GENERAL SPECIFICATIONS & SCHEDULES AO-2 (SHT 3)

- GENERAL SPECIFICATIONS & SCHEDULES - OVERALL EXISTS FLOOR\DEMO PLANS W/REMODELING KEYNOTES AND NEW WORK @ SANCTUARY BLDS

AI-I (SHT 5) PROPOSED PLAN OF NEW BASEMENT CLASS ROOMS W/REMODELING KEYNOTES AI-2 (SHT 6)

PROPOSED PLAN OF FELLOWSHIP HALL and GATHERING AREA W/REMODELING KEYNOTES & STORAGE RM ADDITION

A1-3e (SHT 7) - REFLECTED CLG PLAN & ELECTRICAL NEEDS DATA

W/ELECTRICAL and FIRE EXITING/ ALARM KEYNOTES

A4-0 (SHT 8) - MISCELLANEOUS DTLS A4-1 (SHT 9) - SITEWORK

A4-2 (SHT 10) - WIND BRACING NOTE:

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

COVER

Martin | |

date sealed:

**G.CLINTON BORROR** ARCHITECT/PLANNER AND ASSOCIATES

ONE of 10 A0-0

8/27/18

636 938 9807

GENERAL NOTES: (per 2009 IEBC & 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, DUMP-STERS, 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.

- I. NAILING AND FASTENING OF FLOOR, ROOF/CEILING, WALL AND ROOF SHEATHING AND GYPSUM CONSTRUCTION SHALL BE IN ACCORDANCE W/ CODE.
- 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. 100LB. 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**

PARTITIONS.

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

> 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

BE BLOCKED AT THE FLOOR AND CEILING OF THE WORK AREA

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

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

I. 717.3 IN COMBUSTIBLE CONSTRUCTION, DRAFTSTOPPING SHALL BE INSTALLED TO SUBDIVIDE FLOOR/CEILING ASSEMBLIES IN THE LOCATIONS PRESCRIBED 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

DRAFTSTOPPING MATERIALS: 1/2" 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.

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.

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 IEBC) 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

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

REQUIREMENTS OF NFPA 70. IV. USE GROUND-FAULT CIRCUIT RECEPTACLES WHERE OUTSIDE, NEAR SINKS, IN BATHROOMS, AND IN VICINITY OF WATER.

PARTITIONS AND CEILINGS SHALL COMPLY WITH ALL APPLICABLE

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

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

II. 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 REQURED (SEE A1-1e)

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

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:

FIRE ALARM SYSTEM.

-AT EACH STAIRWAY WHERE COMBUSTIBLE MATERIALS HAVE ACCUMULATED

-IN STORAGE SHED

-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

1 IN NEW STORAGE SHED (RM 114)

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

FINISH AND GYPSUM BOARD

PROVIDED.

 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 5/8" 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 1/4" 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

IV. PAINT - ALL PAINT SHALL BE INCOMPLIANCE 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.L.LISTED 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 ALLERGENIC ORGANISMS, AND MICROBIAL CONTAMINANTS IN QUANTITIES AS TO AFFECT ADVERSELY OR IMPAIR HEALTH OR CAUSE DISCOMFORT TO OCCUPANTS SHALL BE PROVIDED WITH LOCAL EXHAUST

IEBC 602-NEWLY INSTALLED FINISHES SHALL COMPLY WITH CHAPTER 8 OF IBC.

IEBC 703.4 THE INTERIOR FINISH OF WALLS AND CEILINGS IN EXITS AND CORRIDORS IN ANY "WORK AREA" SHALL COMPLY

**EXCEPTION: EXISTING INTERIOR FINISH MATERIALS THAT** DO NOT COMPLY WITH THE INTERIOR FINISH REQUIREMENTS OF THE IBC SHALL BE PERMITTED TO BE TREATED WITH AN APPROVED FIRE-RETARDANT COATING IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS TO ACHIEVE THE REQUIRED RATING.

IEBC 703.4.1-SUPPLEMENTAL INTERIOR FINISH REQUIREMENTS- WHERE THE WORK AREA ON ANY FLOOR EXCEEDS 50 PERCENT OF THE FLOOR AREA, SECTION SHALL ALSO APPLY TO THE INTERIOR FINISH IN EXITS AND CORRIDORS SERVING THE WORK AREA THROUGHOUT THE FLOOR.

**EXCEPTION: INTERIOR FINISH WITHIN TENANT SPACES THAT ARE ENTIRELY** OUTSIDE THE WORK AREA.

803.1 INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 OR UL 723. THESE SHALL BE GROUPED IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLAME SPREAD AND SMOKE-DEVELOPED INDEXES.

CLASS A: FLAME SPREAD INDEX 0-25; SMOKE-DEVELOPED INDEX 0-450

CLASS B: FLAME SPREAD INDEX 26-75; SMOKE-DEVELOPED INDEX 0-450

CLASS C: FLAME SPREAD INDEX 76-200; SMOKE-DEVELOPED INDEX 0-450

803.1.4 TEXTILE AND EXPANDED VINYL WALL AND CEILING COVERINGS SHALL HAVE A CLASS A FLAME SPREAD INDEX PER ASTM E 84 OR UL 723 AND BE PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM PER 903.3.1.1 OR 903.3.1.2. 803.7 EXPANDED VINYL WALL COVERINGS FOR INTERIOR FINISH MATERIALS SHALL BE TESTED IN THE MANNER INTENDED FOR USE USING THE PRODUCT MOUNTING SYSTEM, INCLUDING ADHESIVE, AND SHALL COMPLY WITH THE REQUIREMENTS OF 803.1.2 OR 803.1.4. 803.9 INTERIOR WALL AND CEILING FINISH SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN THAT IN TABLE 803.9 FOR THE GROUP AND LOCATION DESIGNATED (UNDER 3 STORIES). (IN A NONSPRINKLERED BUILDING: A-3 = CLASS B ON EXIT ENCLOSURES/PASSAGEWAYS, INT. STAIRS, LOBBIES AND CLASS A/B ON CORRIDORS, CLASS C ON ROOMS AND ENCLOSED SPACES) 803.11.1 WHERE INTERIOR FINISH MATERIALS ARE APPLIED TO WALLS, CEILINGS, OR STRUCTURAL ELEMENTS REQUIRED TO HAVE A FIRE-RESISTANCE RATING OR TO BE OF NON-COMBUSTIBLE CONSTRUCTION, THEY SHALL COMPLY WITH THIS SECTION.

803.11.1 WHERE WALLS AND CEILINGS ARE REQUIRED TO BE OF FIRE-RESISTANCE-RATED OR NONCOMBUSTIBLE CONSTRUCTION, THE INTERIOR FINISH MATERIAL SHALL BE APPLIED DIRECTLY AGAINST SUCH CONSTRUCTION OR TO FURRING STRIPS NOT EXCEEDING 1-3/4 INCHES APPLIED DIRECTLY AGAINST SUCH SURFACES. THE INTERVENING SPACES BETWEEN SUCH FURRING STRIPS SHALL COMPLY WITH ONE OF THE FOLLOWING: 1. BE FILLED WITH INORGANIC OR NONCOMBUSTIBLE MATERIAL

2. BE FILLED WITH CLASS A MATERIAL 3. BE FIREBLOCKED AT A MAXIMUM OF 8 FT IN ANY DIRECTION

803.11.2 SET-OUT CONSTRUCTION - WHERE WALLS AND CEILINGS ARE TO BE FIRE-RESISTANCE RATED OR NON-COMBUSTIBLE CONSTRUCTION AND WALLS ARE SET OUT OR CEILINGS DROPPED DISTANCES GREATER THAN 803.11.1, CLASS A FINISH MATERIALS

SHALL BE USED IN ACCORDANCE WITH SECTION 803.1.1 OR 803.1.2 EXCEPT WHERE INTERIOR FINISH MATERIALS ARE SPRINKLERED BOTH SIDES OR ATTACHED TO NONCOMBUSTIBLE BACKING OR FURRING STRIPS INSTALLED PER 803.11.1. HANGERS AND ASSEMBLY MEMBERS OF SUCH DROPPED CEILINGS THAT ARE BELOW THE MAIN CEILING LINE SHALL BE OF NON-COMBUSTIBLE MATERIALS. EXCEPT IN TYPE III AND TYPE V CONSTRUCTION FIRE-RETARDENT-TREATED WOOD SHALL BE PERMITTED. THE CONSTRUCTION OF EACH SET-OUT WALL SHALL BE OF FIRE-RESISTANCE-RATED CONSTRUCTION AS REQUIRED

ELSEWHERE IN THE CODE. 803.11.4 AN INT. WALL OR CEILING FINISH MATERIAL NOT OVER 1/4 INCH THICK SHALL BE APPLIED DIRECTLY AGAINST A NONCOMBUSTIBLE

### BACKING. **EXCEPTIONS:**

1. NONCOMBUSTIBLE MATERIALS

2. MATERIALS WHERE THE QUALIFYING TESTS WERE MADE WITH THE MATERIAL SUSPENDED OR FURRED OUT FROM THE NON-COMBUSTIBLE BACKING.

804 INTERIOR FLOOR FINISHES AND FLOOR COVERING MATERIALS SHALL COMPLY WITH 804.2 THROUGH 804.4.1

EXCEPTION: TRADITIONAL TYPE SUCH AS WOOD, VINYL, LINOLEUM OR TERRAZZO, AND RESILIENT FLOOR COVERING MATERIALS NOT COMPOSED OF FIBERS 804.2 CLASS I OR II MATERIALS PER NFPA 253: CLASS I, 0.45 WATTS/

CM2 OR GREATER; CLASS II, 0.22 WATTS/CM2 OR GREATER 804.3 IDENTIFICATION TAG ON INTERIOR FLOOR FINISH OR FLOOR COVERING MATERIALS TO SHOW MANUFACTURER OR SUPPLIER, STYLE. CLASSIFICATION. CARPET FLOOR COVERINGS INCLUDING UNDER-LAYMENT TO BE TESTED. TEST REPORTS FURN. TO BUILDG OFFICIAL UPON REQUEST. 804.4 INTERIOR FLOOR COVERING MATERIALS AND FLOOR FINISHES IN EXIT ENCLOSURES, EXIT PASSAGEWAYS, CORRIDORS AND ROOMS OR SPACES NOT SEPARATED FROM CORRIDORS BY FULL-HEIGHT PARTITIONS EXTENDING FROM FLOOR TO UNDERSIDE OF CEILING SHALL WITHSTAND A MINIMUM CRITICAL RADIANT FLUX AS SPECIFIED IN SECTION 804.4.1

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" (CPSC 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.

719.1 IBC - INSULATING MATERIALS, INCLUDING FACINGS SUCH AS VAPOR RETARDERS AND VAPOR-PERMEABLE MEMBRANES, SIMILAR COVERINGS AND ALL LAYERS OF SINGLE AND MULTILAYER RELFECTIVE FOIL INSULATIONS, SHALL COMPLY WITH THE REQUIRE-MENTS 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 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450.

719.7 - INSULATION AND COVERING ON PIPE AND TUBING SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450. - IF INSTALLED IN PLENUMS, SHALL COMPLY WITH INTERNATIONAL MECHANICAL CODE.

R38 MIN @ CEILING, R19 MIN @ HEADER, R13 MIN @ EXT WALLS II. COMBUSTIBLE INSULATION SEPARATED MIN 3" FROM RECESSED LIGHTS, FAN MOTORS, ETC.

IEBC 605.1 A BUILDING OR ELEMENT THAT IS ALTERED SHALL COMPLY WITH THE APPLICABLE PROVISIONS IN SECTION S 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

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 605.1.3- PLATFORM LIFTS-PLATFORM (WHEELCHAIR) LIFTS COMPLYING WITH ICC A117.1 AND INSTALLED IN ACCORDANCE WITH ASME A18.1 SHALL BE PERMITTED AS A COMPONENT OF AN ACCESSIBLE ROUTE.

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.

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SPECIFICATIONS

**G.CLINTON BORROR** ARCHITECT/PLANNEF AND ASSOCIATES 636 938 9807 2 of 10

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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

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

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: 1006.4 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 FOOTCANDLÈ (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

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

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 IMMEDIATLY 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.

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

IEBC 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

PLUMBING & GAS

OVER 30

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

0 HR

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 OTHER-

WISE (VO).

II. DOORS TO H AVE 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 1/2 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

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 NECESSITATED 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

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

1010.3 CROSS SLOPE 2% MAX, NOT STEEPER THAN 1

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 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.

**NEW CONCRETE STEPS AT WEST EXIT** 44" WIDE MIN, 7" RISERS MAX, 11" TREADS MIN WALKING SURFACE OF TREADS AND LANDINGS NOT SLOPED STEEPER THAN 1 IN 48 HORIZONTAL, OR 2% SLOPE IN ANY DIRECTION

STAIRWAY AND APPROACH TO STAIRWAY CANNOT ALLOW WATER TO ACCUMULATE ON WALKING SURFACES MAXIMUM VERTICAL RISE BETWEEN LANDINGS 12' FLOOR OR LANDING REQUIRED AT TOP AND BOTTOM OF STAIRWAY

LANDINGS SAME WIDTH AS STEPS, SAME LENGTH AS WIDTH WITH REQ. MAX 48" DOOR OPENING ONTO LANDING SHALL NOT REDUCE WIDTH OF LANDING BY OVER ½ OF REQUIRED WIDTH.

CONTINUOUS HANDRAILS BOTH SIDES OF STAIRS 34"-38" HIGH RETURNING TO WALL OR WALKING SURFACE. WHERE NOT CONTINUOUS, EXTEND HANDRAIL 12" BEYOND TOP RISER AND CONTINUE TO SLOPE FOR DEPTH OF 1 TREAD BEYOND BOTTOM RISER. CIRCULAR DIAMETER OF HANDRAIL 1 1/4" - 2"

8/27/18 FOLDING BABY CHANGING STATION - "FOUNDATIONS" STANDARD POLYETHYLENE HORIZONTAL #100-EH-BP (OR EQUAL) V.O. PERMIT: SOAP DISPENSER- "GOJO" AUTOMATIC SOAP DISPENSER OR "ENMOTION" AUTOMATED SOAP CONTR.: DISPENSER (OR EQUAL) V.O. POWERED PAPER DISPENSER – GP PRO enMOTION IMPULSE 8" 1-ROLL AUTOMATED TOUCHLESS PAPER TOWEL DISPENSER, BLACK #59498A (OR EQUAL), V.O. TOILET PARTITIONS- POLYMER PARTITIONS (OR EQUAL) V.O. 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"Wx36"H LOCATED INDIVIDUALLY AT EACH LAVATORY SINK **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. ADD/ALTERNATE #4 KITCHEN RANGE WITH HOOD – 4FT WIDE TYPE I HOOD WITH EXHAUST, DUCT WORK, FIRE SUPPRESSION, STAINLESS STEEL ON 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.

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) (F.V., V.O.) EXTERIOR DOUBLE EXIT DOORS AT NEW EXIT AT NARTHEX - SOLID CORE WOOD

72" WIDE, MATCH EXISTING NARTHEX EXIT DOORS FOR HEIGHT, WITH SMALL GLAZING PANEL, PANIC HARDWARE, LEVER HANDLE, LOCK, PRE-HUNG (F.V., V.O.) AND POSSIBLY WITH (ADD/ALTERNATE #3) POWER DOOR OPENER: HUNTER DITEC ENTREMATIC LOW PROFILE AUTOMATIC DOOR OPENER WITH OPTIONAL MANUAL CLOSER. 1/8 HP (LOW ENERGY, DUAL PUSH) (ST. LOUIS AUTOMATIC DOOR #314-353-1614, M. TERRILL) (OR EQUAL)

INTERIOR DOUBLE DOORS AT NARTHEX TO REPLACE SINGLE DOOR AT NARTHEX INTO ANTEROOM SOLID CORE WOOD, 90 MINUTE FIRE-RATED, 60" X 84" (F.V., V.O.) PRE-HUNG, WITH ELECTRO MAGNETIC HOLD OPEN - ON ALARM SYSTEM (EXISTG) <u> ADD/ALTERNATE #7</u> – INTERIOR DOUBLE DOORS AT STORAGE SHED INTO FELLOWSHIP HALL SOLID CORE WOOD, 45 MINUTE FIRE-RATED, 72" X 80" (F.V., V.O.) WITH LATCH

OTHER INTERIOR DOORS - FLUSH SOLID CORE WOOD, 1-3/8" THICK, PRE-HUNG 4-9/16" JAMBS, 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 (F.V., V.O.)

SEE DOOR SCHEDULE FOR DOOR HARDWARE - V.O.

NEW CARPET TILE - PHILADELPHIA BY SHAW - LUCKY BREAK NEW LVT – LUXURY VINYL TILE - CORETEC PLUS 5" PLANK ADD/ALTERNATE #7 – NEW STORAGE SHED ADDITION – LINOLEUM OR SHEET VINYL – V.O. 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. EXTERIOR RAILINGS FOR NEW EXIT AT NARTHEX - POWDER COATED STEEL- V.O.

SPECIFICATIONS: V.O.

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).

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)

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.

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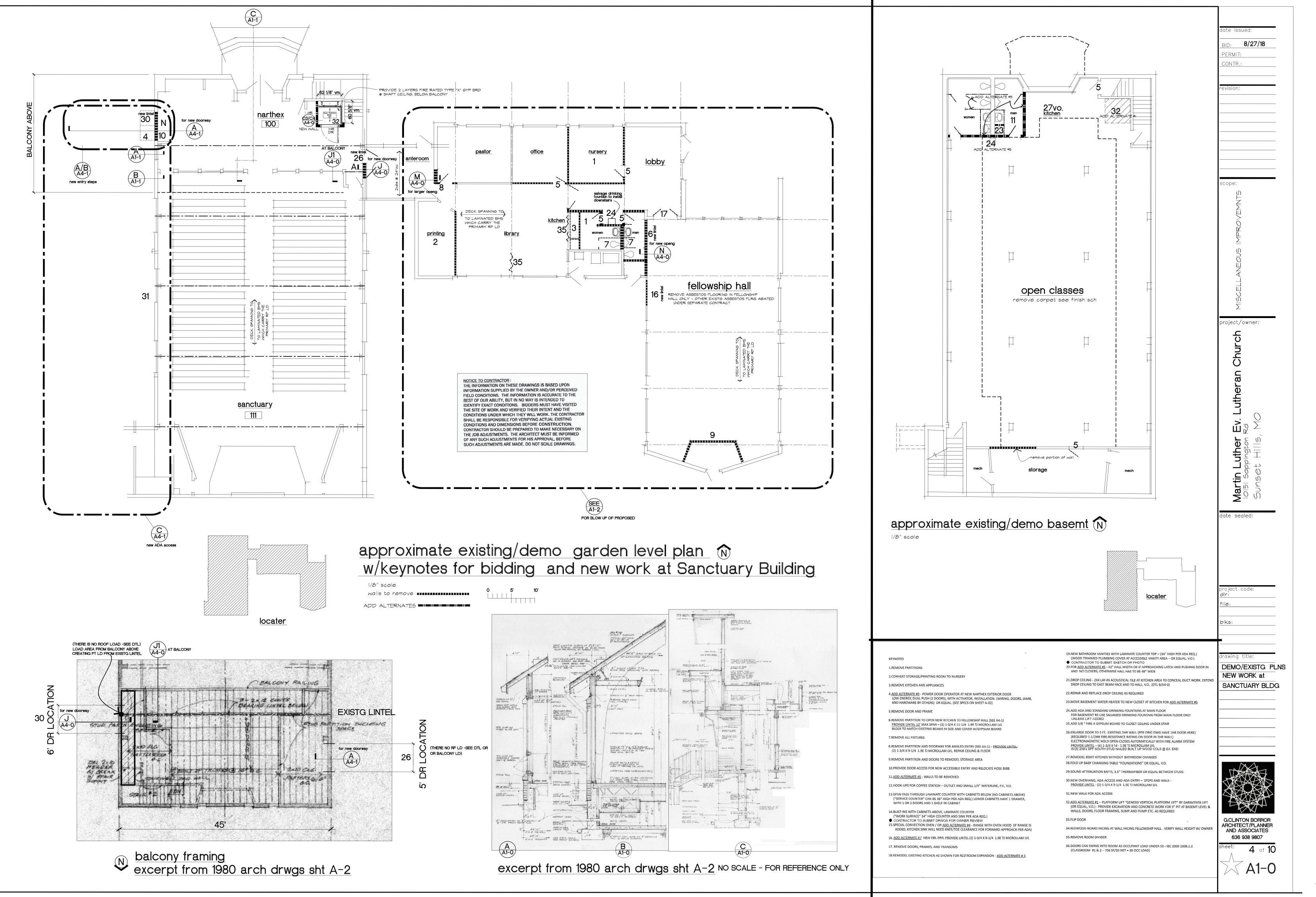
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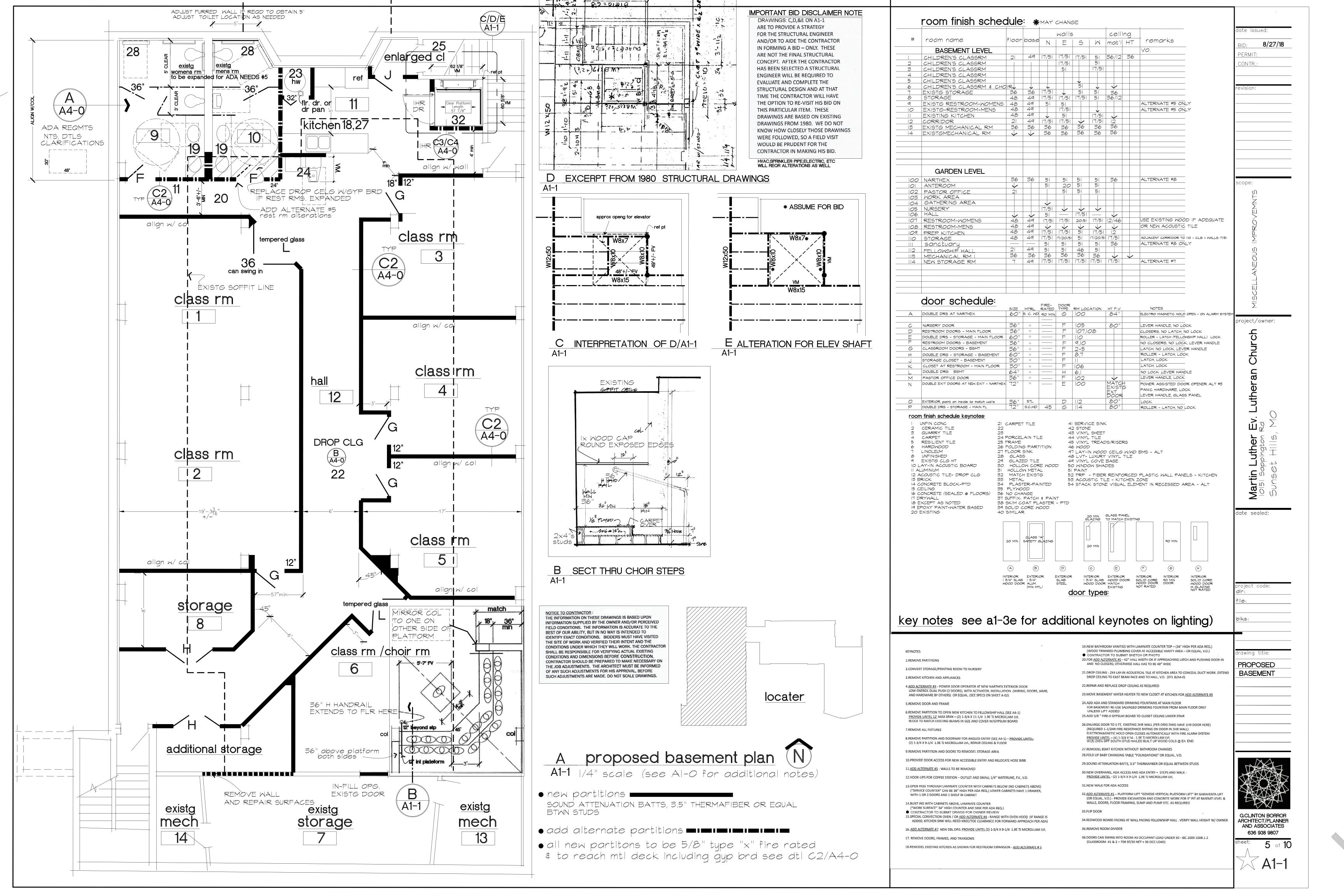
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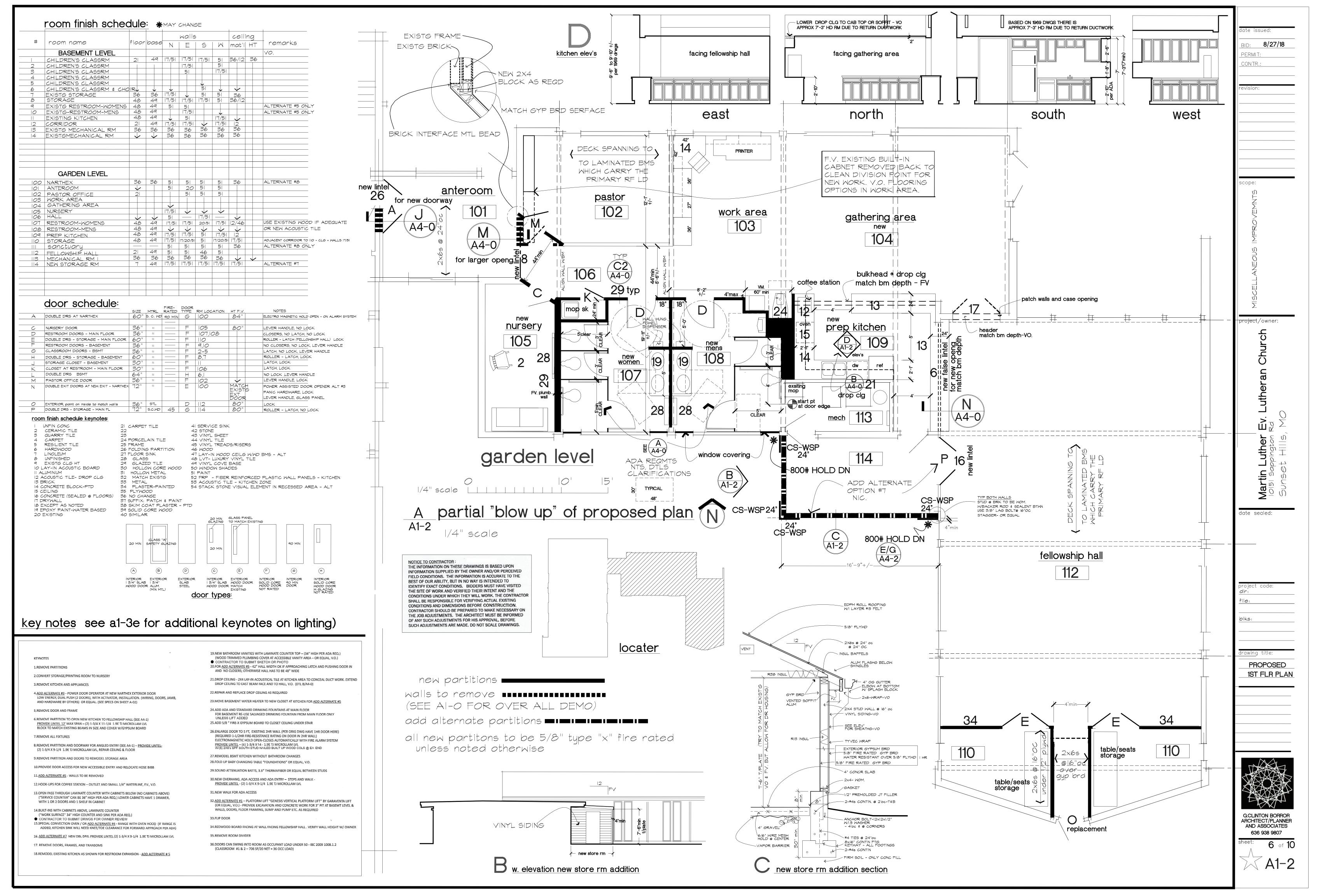


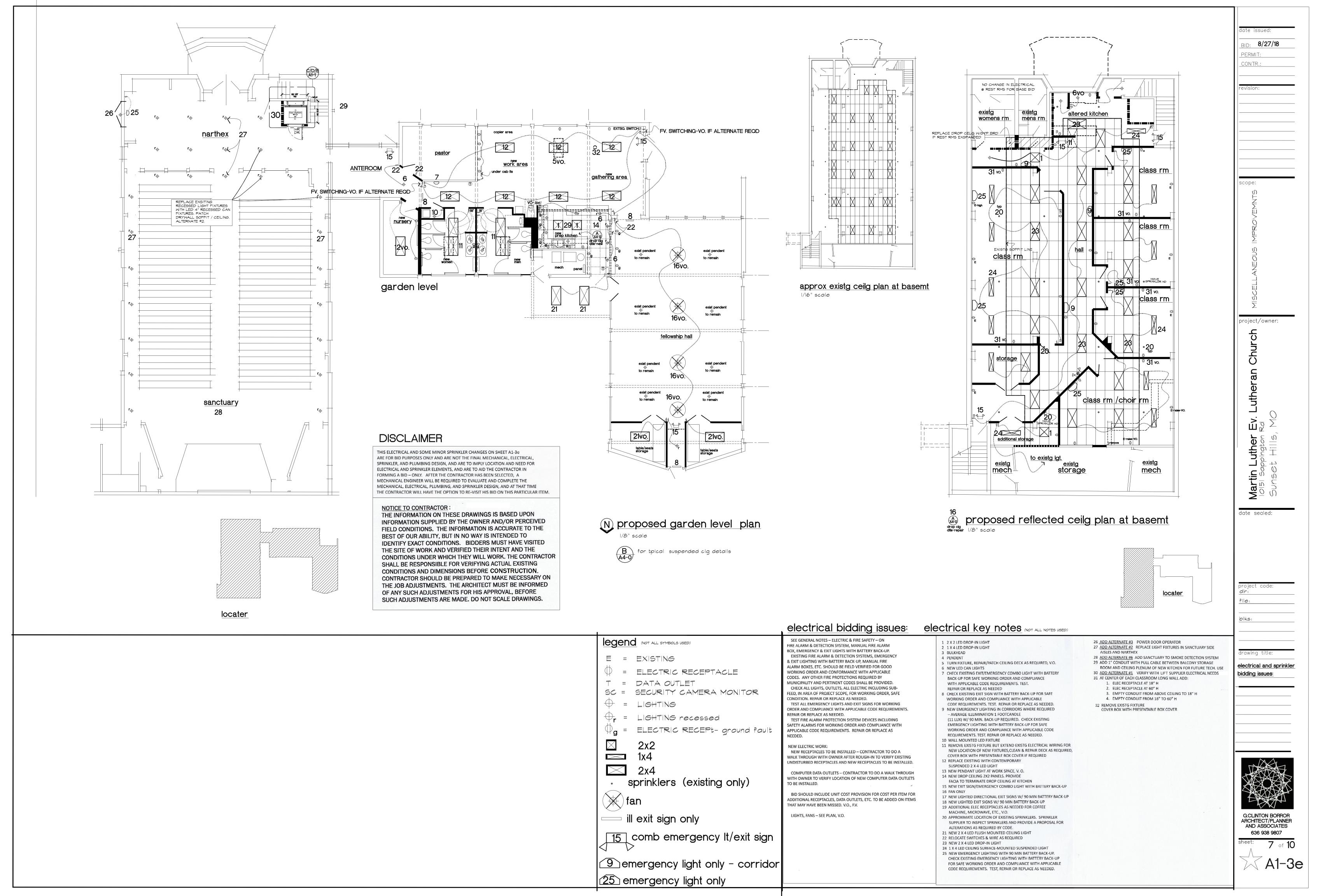
**G.CLINTON BORROR** ARCHITECT/PLANNEF AND ASSOCIATES 636 938 9807

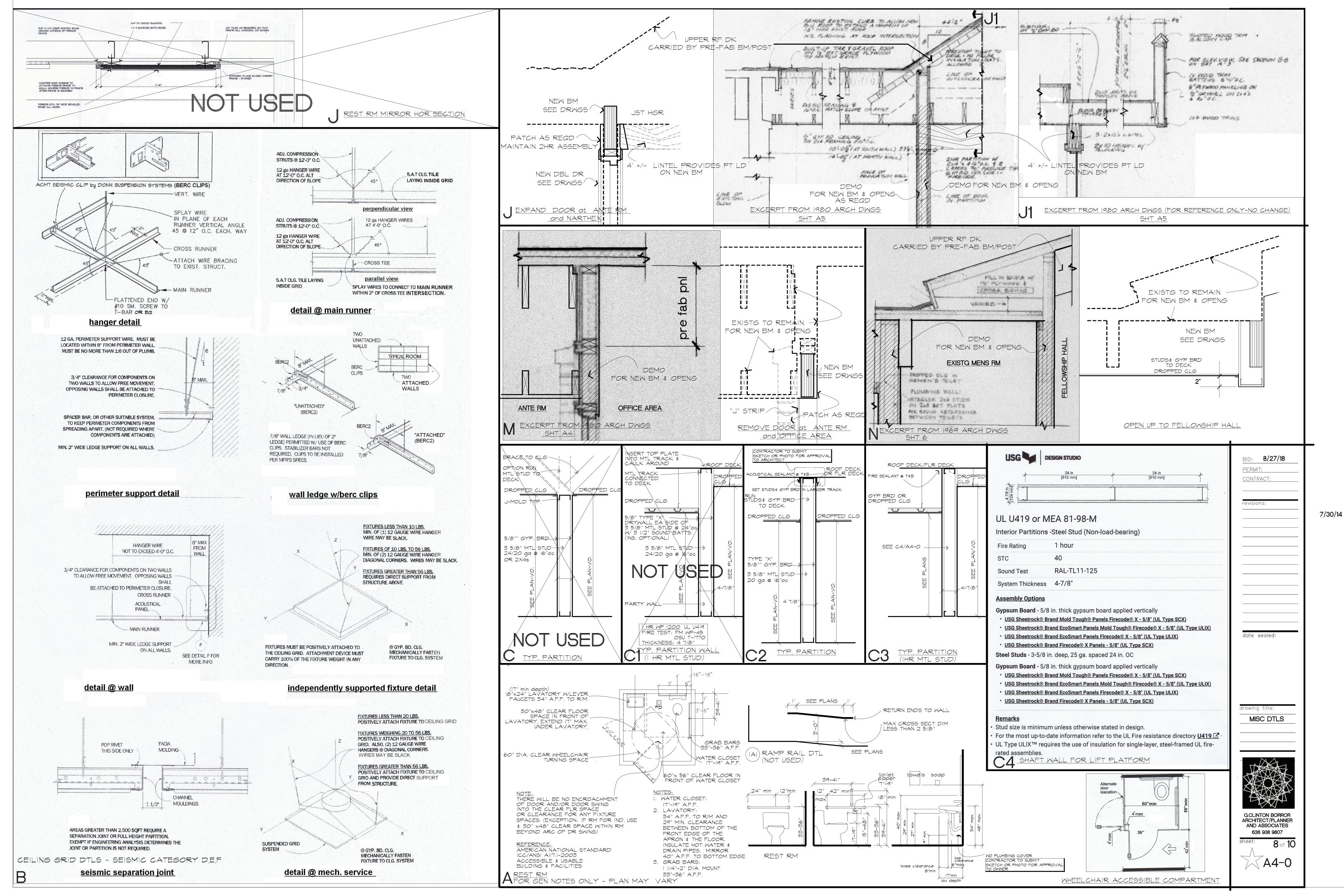
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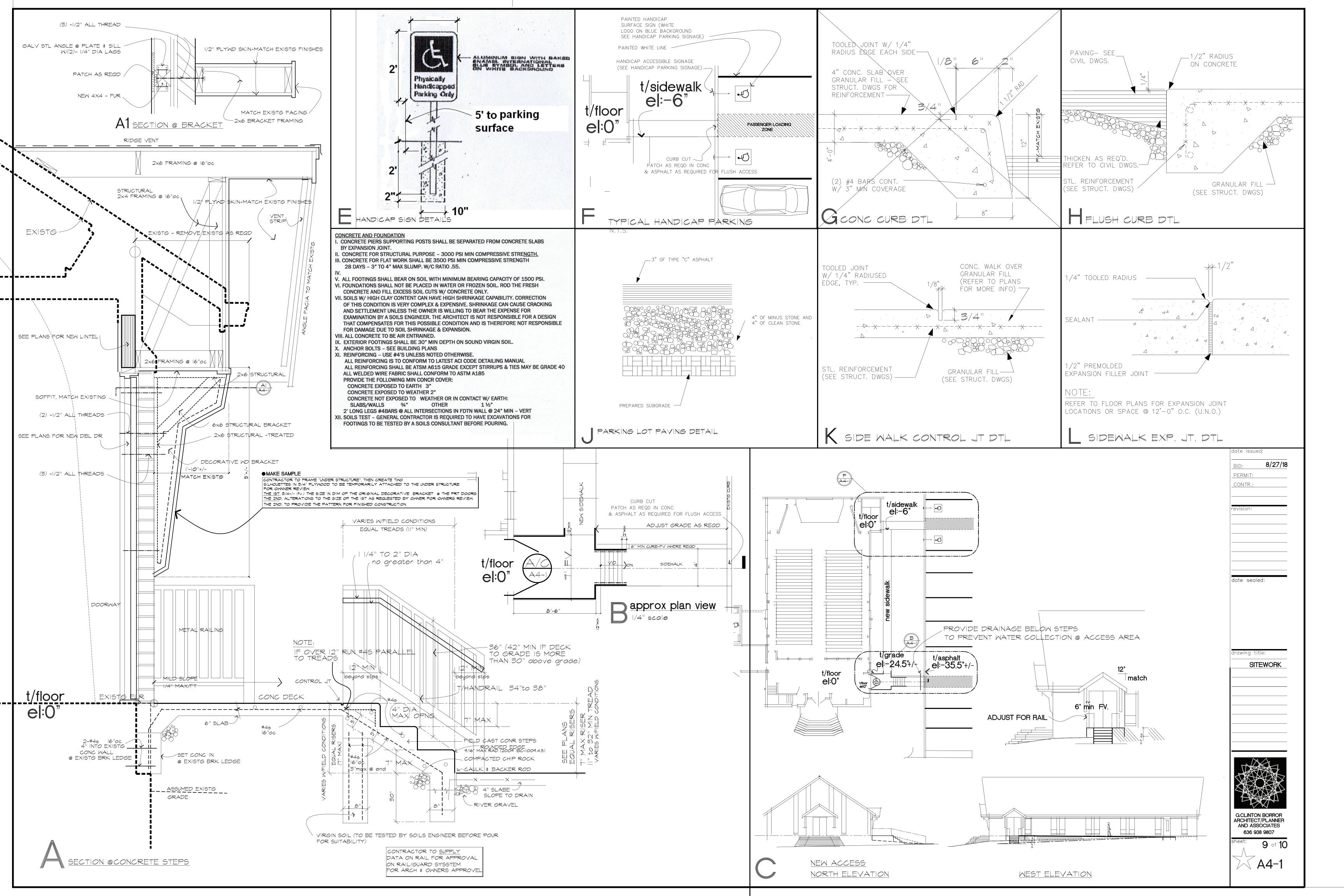


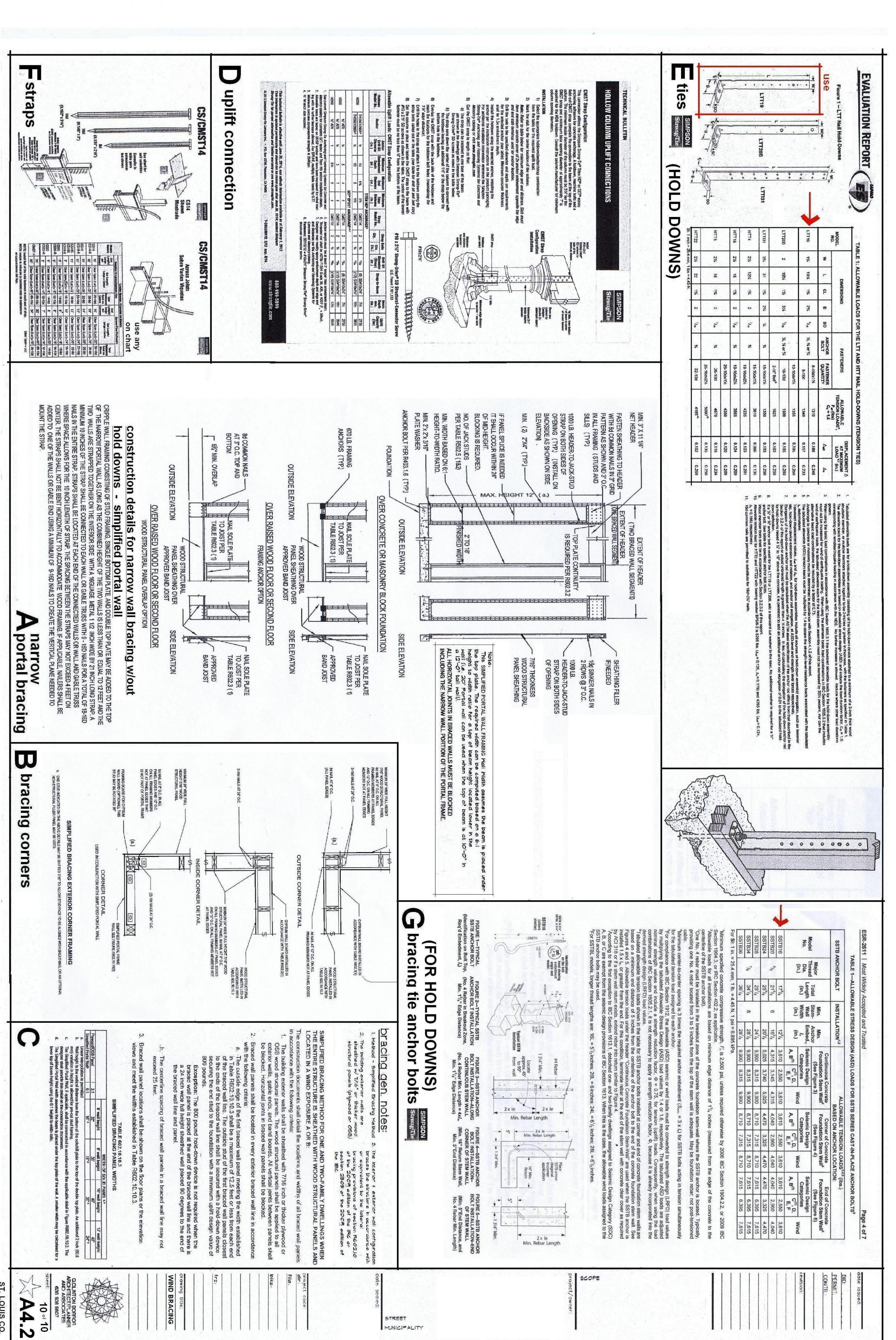












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