

code box:

CODE BOX - 2009 IBC, 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  
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 +-  
2 HOUR FIRE BARRIER BETWEEN NARTHEX AND LOBBY  
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: IBC 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

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:  
1. 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 FASCIA WITH METAL

date issued:  
8/27/18  
PERMIT:  
CONTR.:  
revision:  
scope:  
MISCELLANEOUS IMPROVEMENTS

project/owner:

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

date sealed:

project code:

dir:

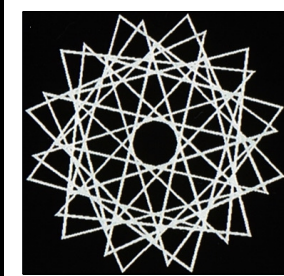
file:

pkgs:

frz:

drawing title:

COVER



GCLINTON BORROR  
ARCHITECT/PLANNER  
AND ASSOCIATES  
636 938 9807

sheet:

ONE of 10

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  
2x2' RECESSED FLUORESCENT  
FIXTURE W/ PARABOLIC LENS  
2x2' 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  
FULL CORD  
ACOUSTICAL DROP-IN  
VINYL DROP-IN

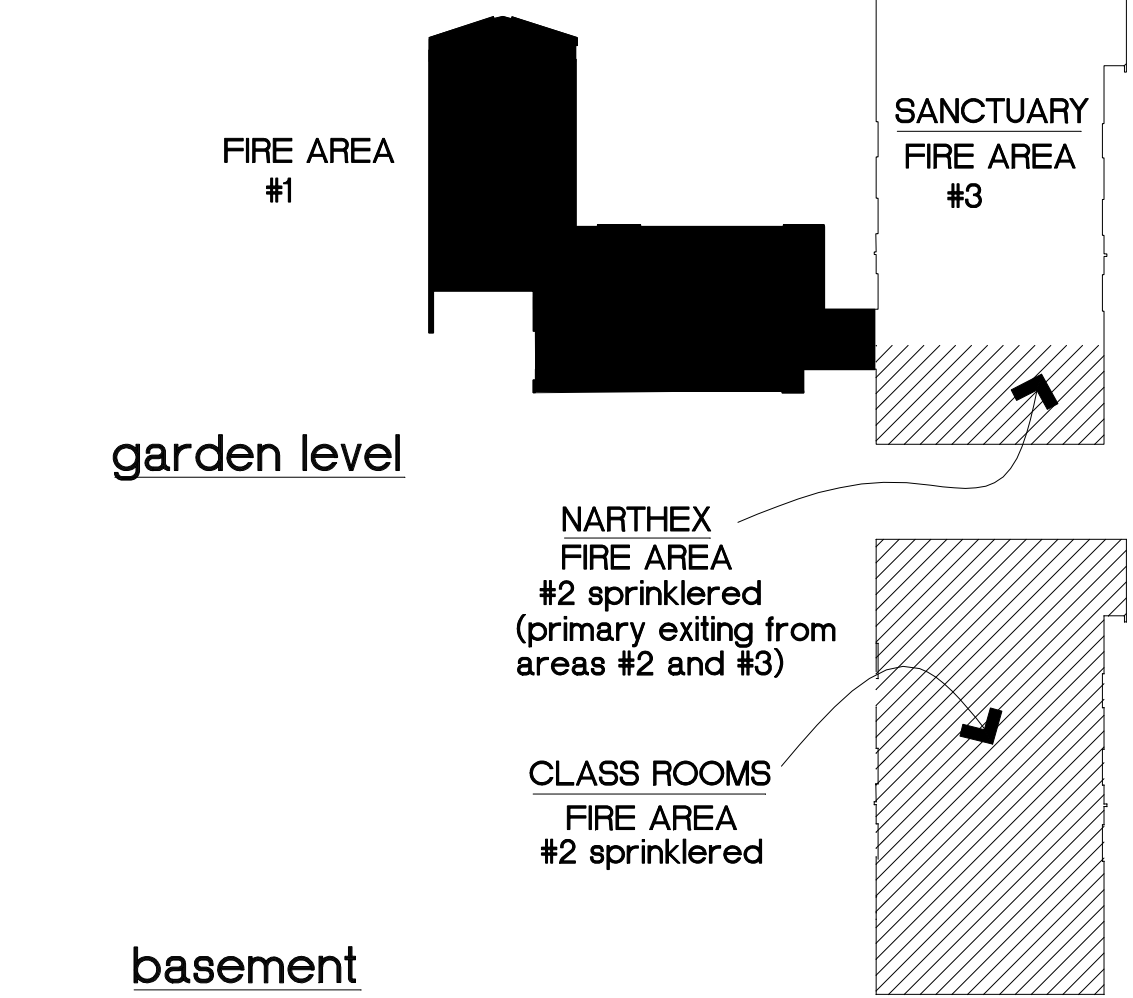
index:

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  
& STORAGE RM ADDITION  
A1-3a (SHT 7)  
- REFLECTED CLG PLAN & ELECTRICAL NEEDS DATA  
W/ELECTRICAL AND FIRE EXITS/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 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

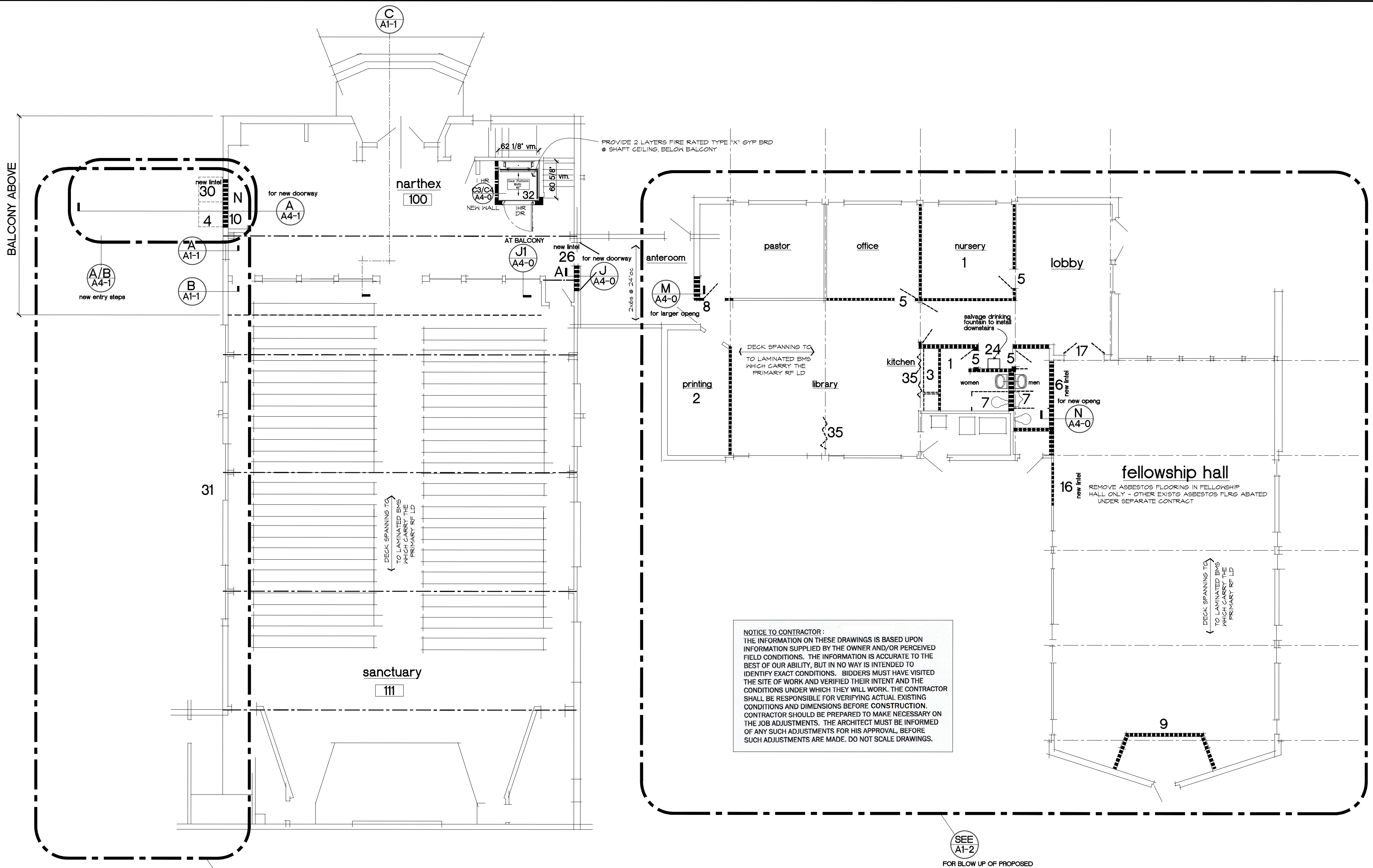










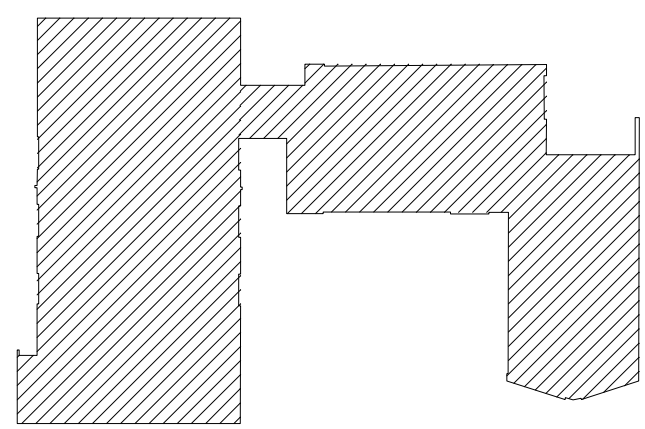
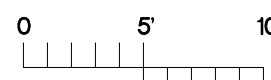


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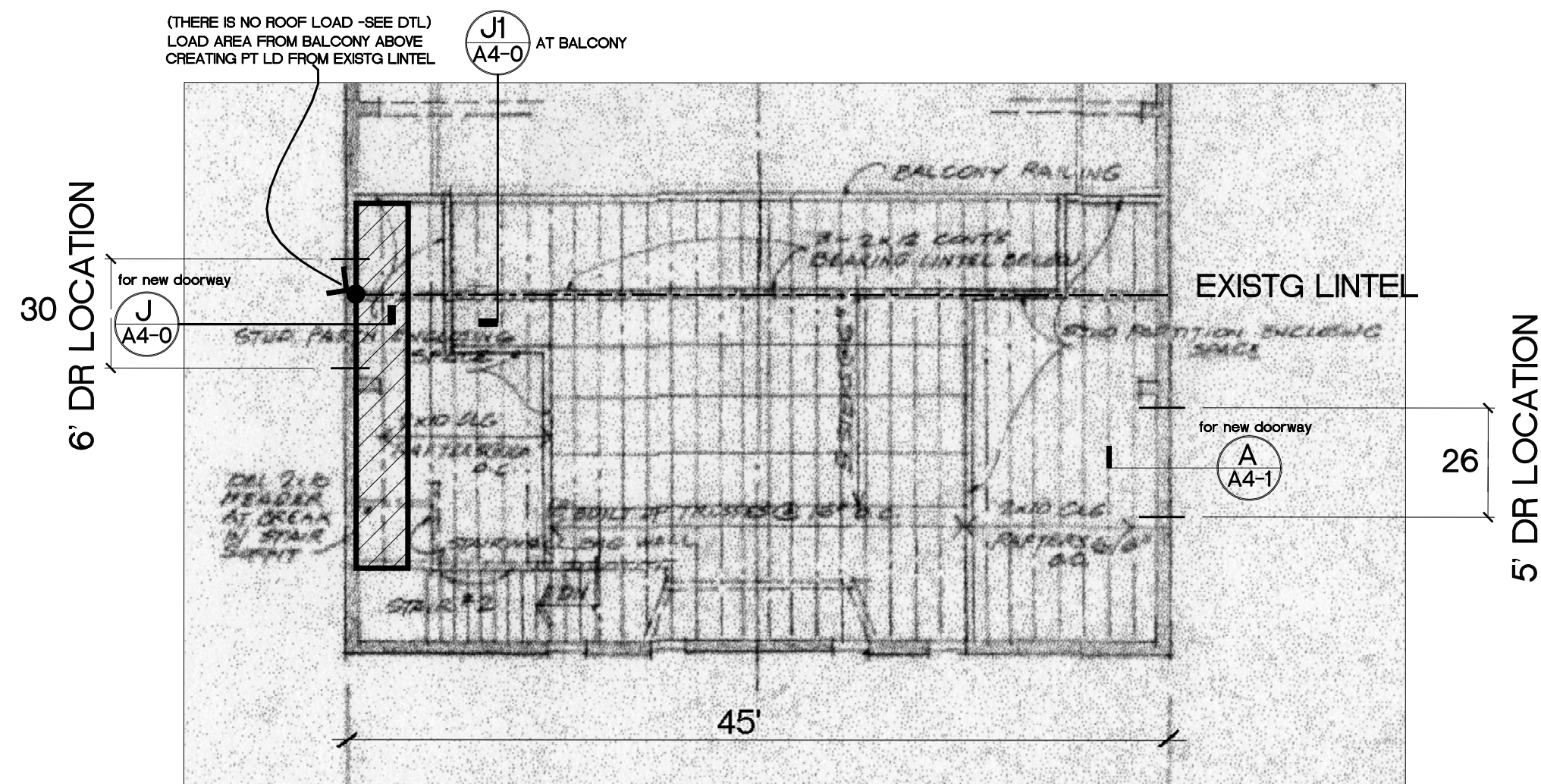
SEE  
A1-2  
FOR BLOW UP OF PROPOSED

## approximate existing/demo garden level plan w/keynotes for bidding and new work at Sanctuary Building

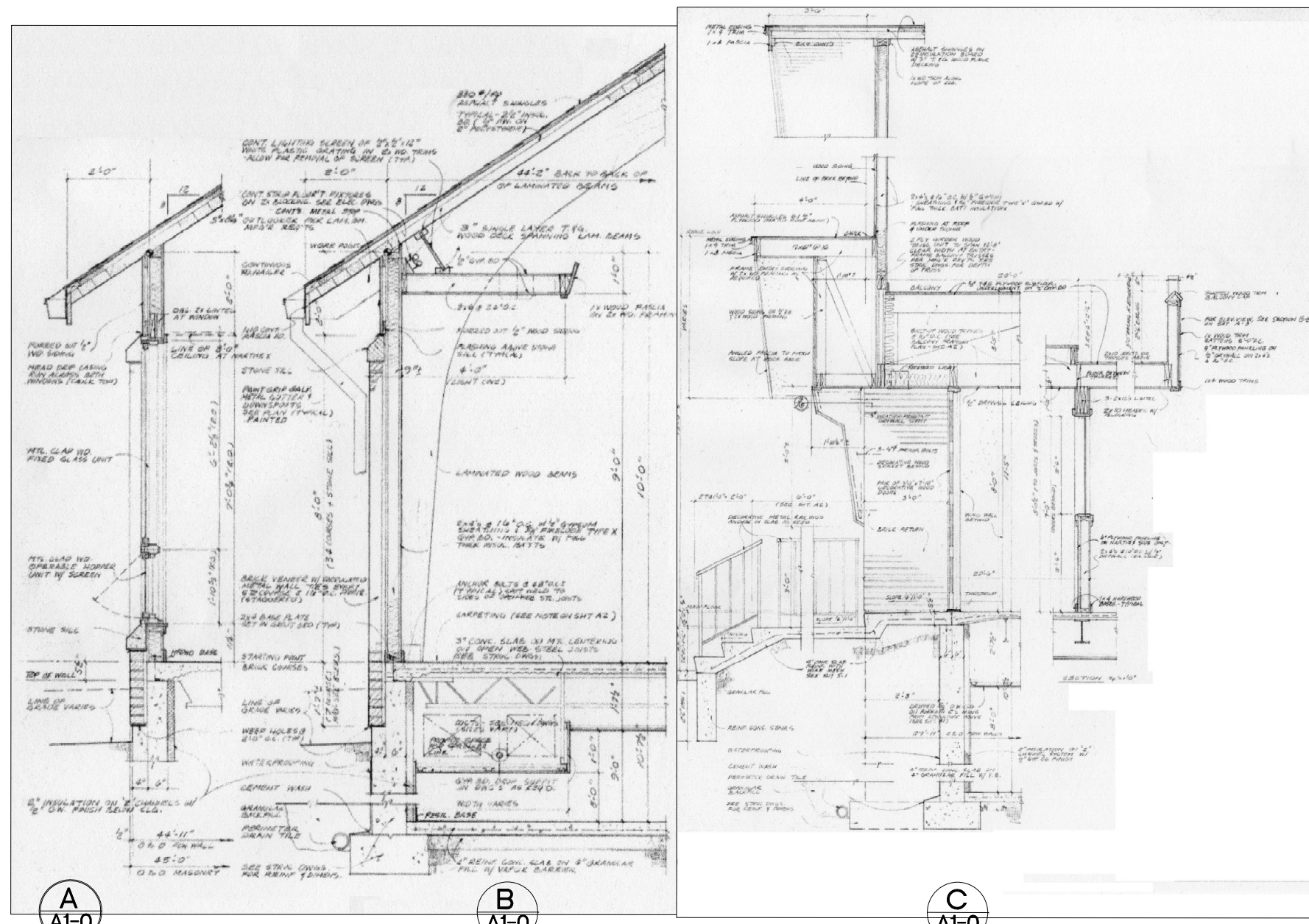
1/8" scale  
walls to remove  
ADD ALTERNATES



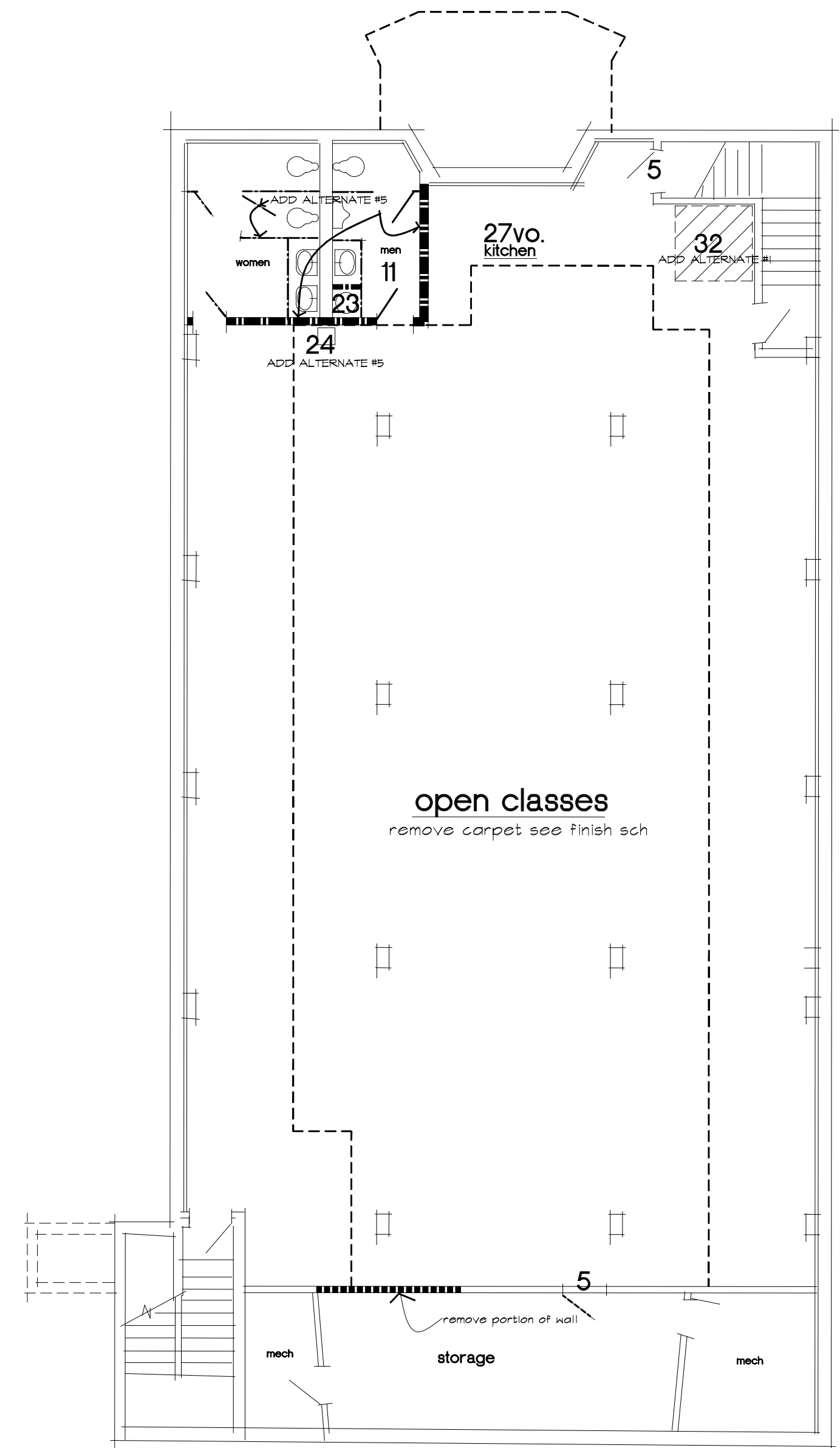
locator



balcony framing  
excerpt from 1980 arch drwgs sht A-2

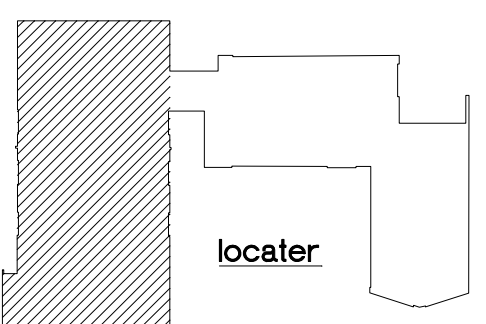


excerpt from 1980 arch drwgs sht A-2 NO SCALE - FOR REFERENCE ONLY



approximate existing/demo basemt

1/8" scale

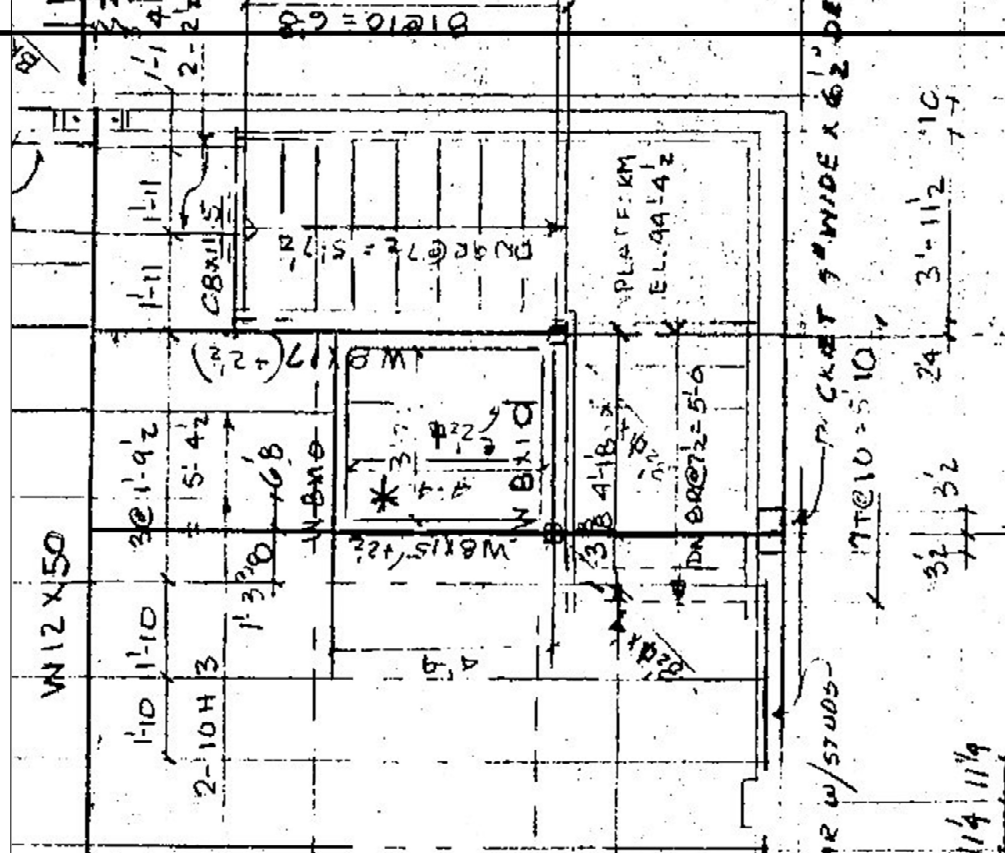
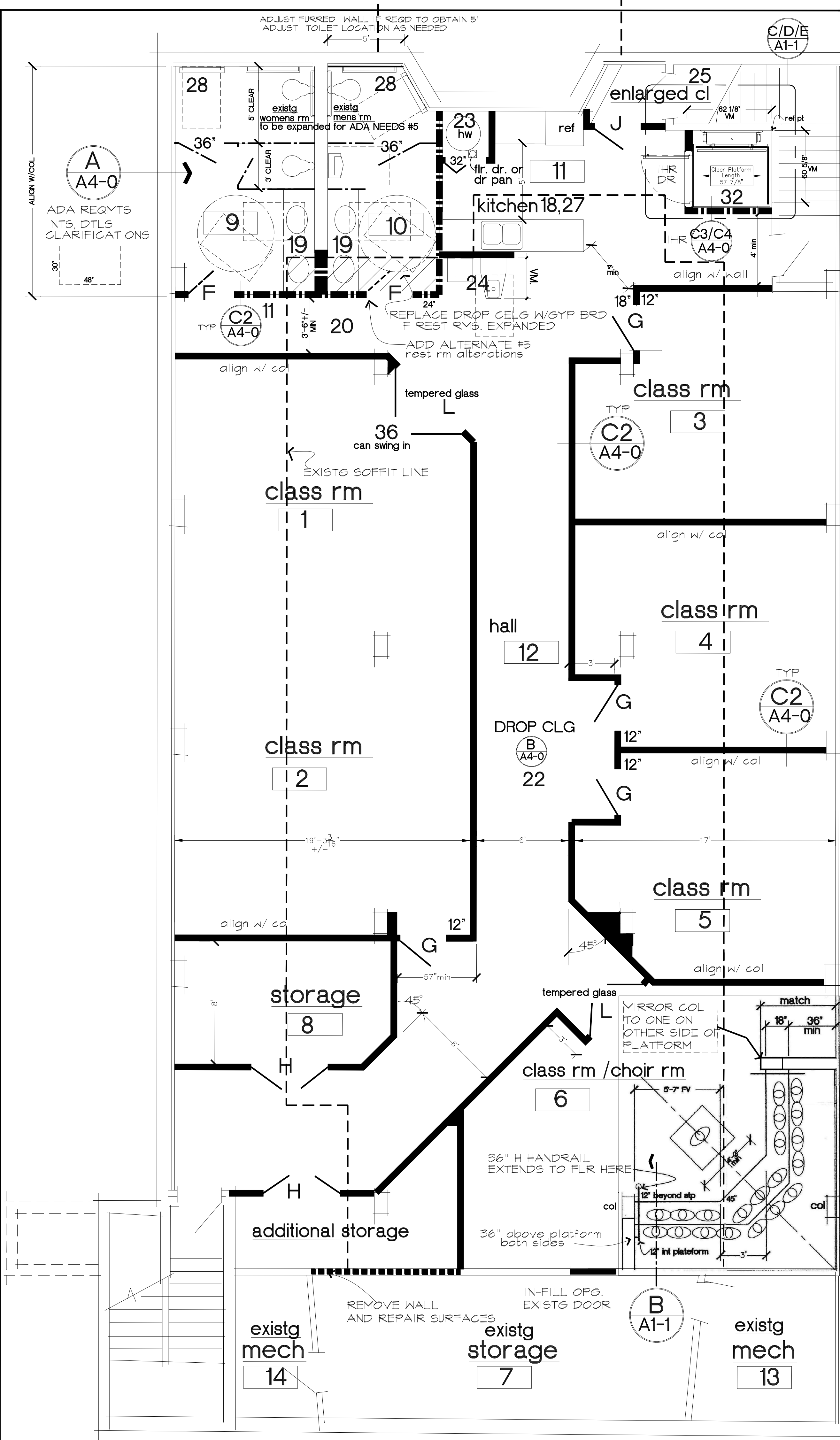


locator

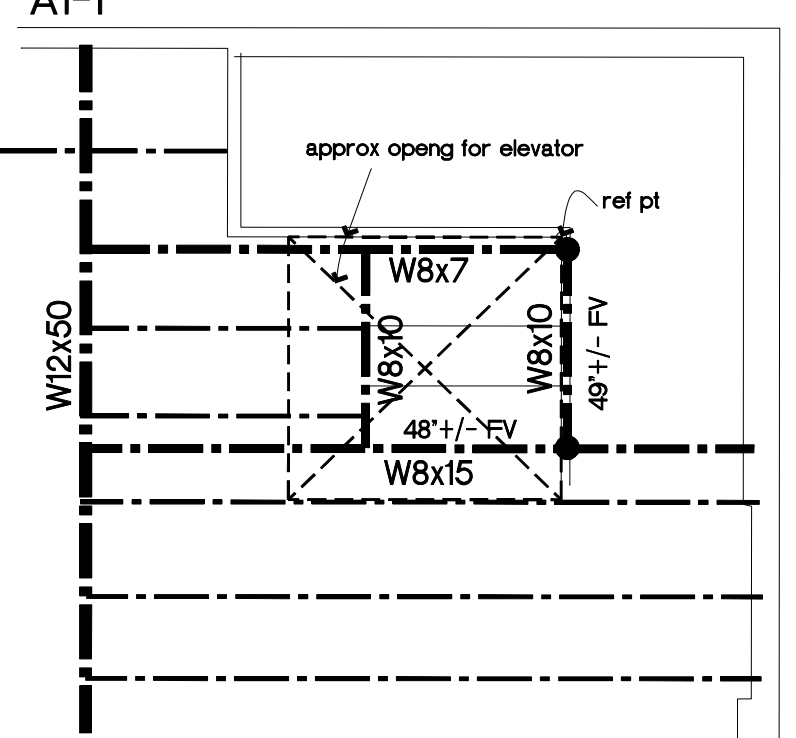
- KEYNOTES
- 1.REMOVE PARTITIONS
  - 2.CONVERT STORAGE/PRINTING ROOM TO NURSERY
  - 3.REMOVE KITCHEN AND APPLIANCES
  - 4.ADD ALTERNATE #3 - POWER DOOR OPERATOR AT NEW NARTHEX EXTERIOR DOOR LOW ENERGY, DUAL PUSH (2 DOORS), WITH ACTIVATOR, INSTALLATION, (WIRING, DOORS, JAMB, AND HANDWARE BY OTHERS), OR EQUAL. (SEE SPEC ON SHEET A-2)
  - 5.REMOVE DOOR AND FRAME
  - 6.REMOVE PARTITION TO OPEN NEW KITCHEN TO FELLOWSHIP HALL (SEE A4-1) PROVIDE LINTEL 3" MAX SPAN - (2) 1-3/4 X 9-1/4 1.9E T3 MICROLAM LVL BLOCK TO MATCH EXISTING BEAMS IN SIZE AND COVER W/ GYPSUM BOARD
  - 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 1.9E T3 MICROLAM LVL, REPAIR CEILING & FLOOR
  - 9.REMOVE PARTITION AND DOORS TO REMODEL STORAGE AREA
  - 10.PROVIDE DOOR ACCESS FOR NEW ACCESSIBLE ENTRY AND RELOCATE HOSE BIBB
  - 11.ADD ALTERNATE #5 - 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.SPECIAL CONVECTION OVEN / OR ADD ALTERNATE #8 - RANGE WITH OVEN HOOD (IF RANGE IS ADDED, KITCHEN SINK WILL NEED KNEE/TOE CLEARANCE FOR FORWARD APPROACH PER ADA)
  - 16.ADD ALTERNATE #7 NEW DBL DRS. PROVIDE LINTEL (2) 1-3/4 X 9-1/4 1.9E T3 MICROLAM LVL
  17. REMOVE DOORS, FRAMES, AND TRANSOMS
  - 18.REMODEL EXISTING KITCHEN AS SHOWN FOR RESTROOM EXPANSION - ADD ALTERNATE #3
  - 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 SKETCH OR PHOTO
  - 20.FOR ADD ALTERNATE #5 - 12" WALL 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 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 AT KITCHEN FOR ADD ALTERNATE #5
  - 24.ADD ADA AND STANDARD DRINKING FOUNTAINS AT MAIN FLOOR FOR BASEMENT RE-USE SALVAGED DRINKING FOUNTAIN FROM MAIN FLOOR ONLY UNLESS LIFT ADDED
  - 25.ADD 5/8" FIRE & GYPSUM BOARD TO CLOSET CEILING UNDER STAIR (REQUIRED 1-1/2HR FIRE-RESISTANCE RATING ON DOOR IN 2HR WALL) ELECTROMAGNETIC HOLD OPEN-CLOSERS AUTOMATICALLY WITH FIRE ALARM SYSTEM PROVIDE LINTEL - (4) 1-3/4 X 9-1/4 1.9E T3 MICROLAM LVL W/ (5) 2X6 SPS SOUTH STUD NAILED BUILT UP WOOD COLS @ EA END
  - 26.ENLARGE DOOR TO 5 FT. EXISTING 2HR WALL (PER DRG TWO HAVE 1HR DOOR HERE) (REQUIRED 1-1/2HR FIRE-RESISTANCE RATING ON DOOR IN 2HR WALL)
  - 27.REMODEL BSMT KITCHEN WITHOUT BATHROOM CHANGES
  - 28.FOLD UP BABY CHANGING TABLE "FOUNDATIONS" OR EQUAL, V.O.
  - 29.SOUND ATTENUATION BATTS, 3.5" THERMAFIBER OR EQUAL BETWEEN STUDS
  - 30.NEW OVERHANG, ADA ACCESS AND ADA ENTRY - STEPS AND WALK - PROVIDE LINTEL. (2) 1-3/4 X 9-1/4 1.9E T3 MICROLAM LVL
  - 31.NEW WALK FOR ADA ACCESS
  - 32.ADD ALTERNATE #1 - PLATFORM LIFT "GENESIS VERTICAL PLATFORM LIFT" BY GARAVANTI LIFT (OR EQUAL, V.O.) - PROVIDE EXCAVATION AND CONCRETE WORK FOR 3" FT AT BASEMENT LEVEL & WALLS, DOORS, FLOOR FRAMING, SUMP AND PUMP ETC. AS REQUIRED
  - 33.FLUP DOOR
  - 34.REINWOOD BOARD RACING AT WALL FACING FELLOWSHIP HALL. VERIFY WALL HEIGHT W/ OWNER
  - 35.REMOVE ROOM DIVIDER
  - 36.DOORS CAN SWING INTO ROOM AS OCCUPANT LOAD UNDER 50 - IBC 2009 1008.1.2 (GLASSROOM #5 & 7 - 708 SF/20 NET = 35 OCC LOAD)

date issued:	8/27/18
BID:	8/27/18
PERMIT:	
CONTR.:	
revision:	
scope:	MISCELLANEOUS IMPROVEMENTS
project/owner:	Martin Luther Ev. Lutheran Church 10151 Sappington Rd Sunset Hills, MO
date sealed:	
project code:	
dir:	
file:	
plike:	
drawing title:	DEMO/EXISTG PLNS NEW WORK at SANCTUARY BLDG
GCLINTON BORROR ARCHITECT/PLANNER AND ASSOCIATES 606 938 9807	
sheet:	4 of 10
A1-0	

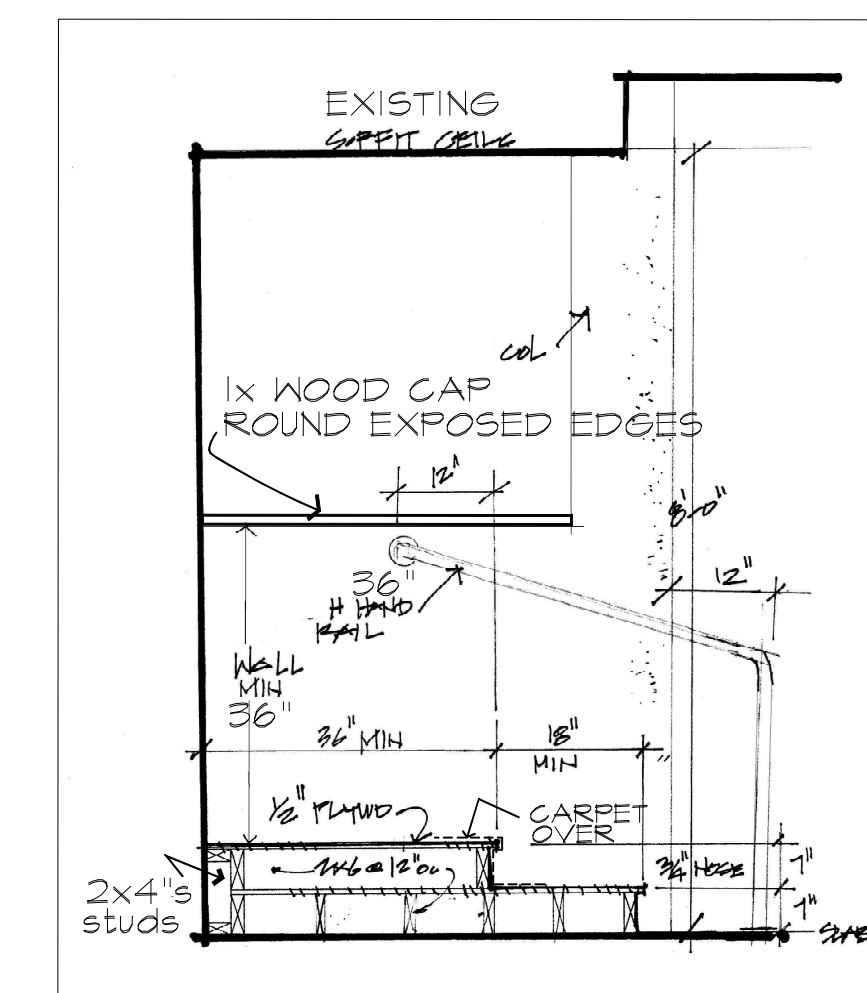




D EXCERPT FROM 1980 STRUCTURAL DRAWINGS A1-1



C INTERPRETATION OF D/A1-1 A1-1



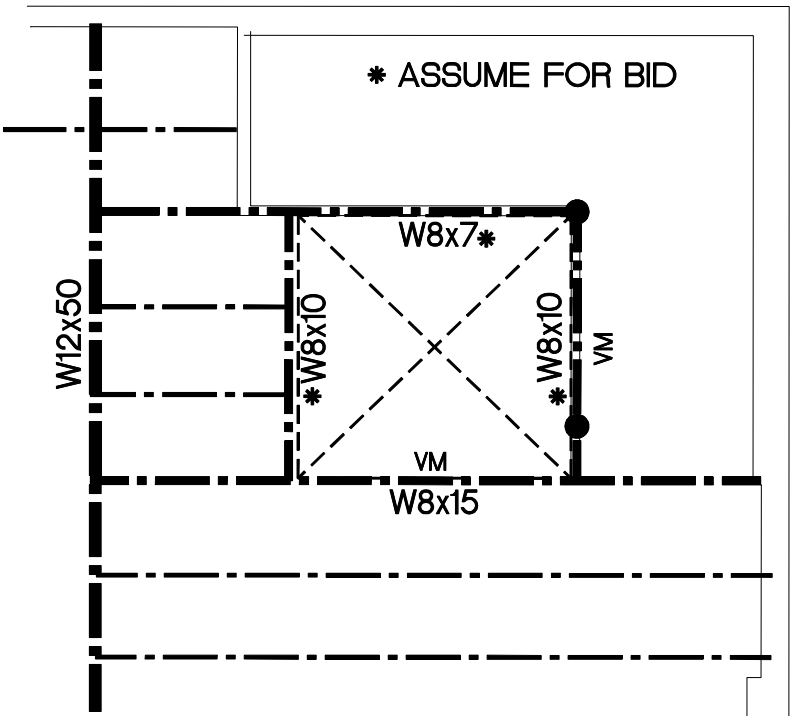
B SECT THRU CHOIR STEPS A1-1

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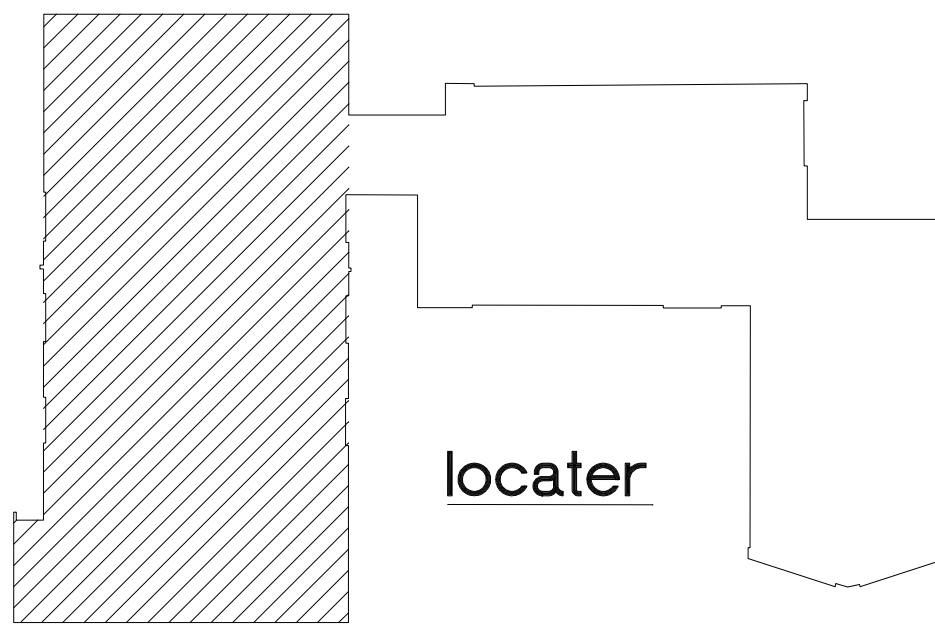
A proposed basement plan A1-1 1/4" scale (see A1-0 for additional notes)

- 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

IMPORTANT BID DISCLAIMER NOTE  
DRAWINGS C,D,E ON A1-1 ARE TO PROVIDE A STRATEGY FOR THE STRUCTURAL ENGINEER AND/OR TO AIDE THE CONTRACTOR IN FORMING A BID - ONLY. THESE ARE NOT THE FINAL STRUCTURAL CONCEPT. AFTER THE CONTRACTOR HAS BEEN SELECTED A STRUCTURAL ENGINEER WILL BE REQUIRED TO EVALUATE AND COMPLETE THE STRUCTURAL DESIGN AND AT THAT TIME THE CONTRACTOR WILL HAVE THE OPTION TO RE-VISIT HIS BID ON THIS PARTICULAR ITEM. THESE DRAWINGS ARE BASED ON EXISTING DRAWINGS FROM 1980. WE DO NOT KNOW HOW CLOSELY THOSE DRAWINGS WERE FOLLOWED, SO A FIELD VISIT WOULD BE PRUDENT FOR THE CONTRACTOR IN MAKING HIS BID.  
HVAC SPRINKLER PIPE/ELECTRIC, ETC WILL REOR ALTERATIONS AS WELL



E ALTERATION FOR ELEV SHAFT A1-1



room finish schedule: *MAY CHANGE											
#	room name	floor	base	N	E	S	W	ceiling	mat'l	HT	remarks
BASEMENT LEVEL											
											VO.
1	CHILDREN'S CLASSRM	21	49	17/51	17/51	17/51	51	36/12	36		
2	CHILDREN'S CLASSRM										
3	CHILDREN'S CLASSRM				51		17/51				
4	CHILDREN'S CLASSRM										
5	CHILDREN'S CLASSRM										
6	CHILDREN'S CLASSRM & CHOR					51					
7	EXISTG STORAGE	36	36	17/51	17/51	51	51	36			
8	STORAGE	48	48	17/51	17/51	17/51	51	36/12			
9	EXISTG RESTROOM-WOMENS	48	48	51	51						ALTERNATE #5 ONLY
10	EXISTG-RESTROOM-MENS	48	48		17/51						ALTERNATE #5 ONLY
11	EXISTING KITCHEN	48	48	51			17/51				
12	CORRIDOR	21	49	17/51	17/51	17/51	51	12			
13	EXISTG MECHANICAL RM	36	36	36	36	36	36	36			
14	EXISTG MECHANICAL RM	✓	✓	36	36	36	36	36			

door schedule:										
A	DOUBLE DRS AT NARTHEX	SIZE	MTL	FIRE-RATED	DOOR TYPE	RM LOCATION	HT	F.Y.	NOTES	
		60"	5/8"	NO	G	100	84"		ELECTRO MAGNETIC HOLD OPEN - ON ALARM SYSTEM	
C	NURSERY DOOR	36"	11		F	105	80"		LEVER HANDLE, NO LOCK	
D	RESTROOM DOORS - MAIN FLOOR	36"	11		F	101/108			CLOSERS, NO LATCH, NO LOCK	
E	DOUBLE DRS - STORAGE - MAIN FLOOR	60"	11		F	110			ROLLER - LATCH (FELLOWSHIP HALL) LOCK	
F	RESTROOM DOORS - BASEMENT	36"	11		F	110			NO CLOSERS, NO LOCK, LEVER HANDLE	
G	CLASSROOM DOORS - BSMT	36"	11		F	2-5			LATCH, NO LOCK, LEVER HANDLE	
H	DOUBLE DRS - STORAGE - BASEMENT	60"	11		F	87			ROLLER - LATCH, LOCK	
J	STORAGE CLOSET - BASEMENT	30"	11		F	11			LATCH, LOCK	
K	CLOSET AT RESTROOM - MAIN FLOOR	30"	11		F	106			LATCH, LOCK	
L	DOUBLE DRS - BSMT	64"	11		H	61			NO LOCK, LEVER HANDLE	
M	PASTOR OFFICE DOOR	36"	11		F	102			LEVER HANDLE, LOCK	
N	DOUBLE EXIT DOORS AT NEW EXIT - NARTHEX	72"	11		E	100			POWER ASSISTED DOOR OPENER ALT #5	
O	EXTERIOR, pairs on inside to match walls	36"	11	STL	D	112			PANIC HARDWARE, LOCK	
P	DOUBLE DRS - STORAGE - MAIN FL	72"	5/8"	NO	G	114			LOCK	

room finish schedule keynotes:										
1	UNFIN CONC	21	CARPET TILE	41	SERVICE SINK					
2	CERAMIC TILE	22		42	STONE					
3	QUARRY TILE	23	PORCELAIN TILE	43	VINYL SHEET					
4	CARPET	24		44	VINYL TILE					
5	RESILIENT TILE	25	FRAMING	45	VINYL TREADS/RISERS					
6	HARDWOOD	26	FOLDING PARTITION	46	WOOD					
7	LINOLEUM	27	FLOOR SINKS	47	LAY-IN WOOD CEILG W/WD BMS - ALT					
8	UNFINISHED	28	GLASS	48	LVT - LUXURY VINYL TILE					
9	EXISTG CLG HT	29	GLAZED TILE	49	VINYL COVER 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	METAL	52	FRP - FIBER REINFORCED PLASTIC WALL PANELS - KITCHEN					
13	BRICK	33	CEMENT EXISTG	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	SUFFIX 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  
1/2" SLAB  
WOOD DOOR

EXTERIOR  
1/2" SLAB  
WOOD DOOR  
(MIN HTL)

**B**

INTERIOR  
1/2" SLAB  
WOOD DOOR

EXTERIOR  
1/2" SLAB  
WOOD DOOR  
(MIN HTL)

**C**

INTERIOR  
1/2" SLAB  
WOOD DOOR

EXTERIOR  
1/2" SLAB  
WOOD DOOR  
(MIN HTL)

**D**

INTERIOR  
1/2" SLAB  
WOOD DOOR

EXTERIOR  
1/2" SLAB  
WOOD DOOR  
(MIN HTL)

**E**

INTERIOR  
1/2" SLAB  
WOOD DOOR

EXTERIOR  
1/2" SLAB  
WOOD DOOR  
(MIN HTL)

**F**

INTERIOR  
1/2" SLAB  
WOOD DOOR

EXTERIOR  
1/2" SLAB  
WOOD DOOR  
(MIN HTL)

**G**

INTERIOR  
1/2" SLAB  
WOOD DOOR

EXTERIOR  
1/2" SLAB  
WOOD DOOR  
(MIN HTL)

**H**

INTERIOR  
1/2" SLAB  
WOOD DOOR

EXTERIOR  
1/2" SLAB  
WOOD DOOR  
(MIN HTL)

**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.ADD ALTERNATE #3 - POWER DOOR OPERATOR AT NEW NARTHEX EXTERIOR DOOR. LOW ENERGY, DUAL PUSH (2 DOORS), WITH ACTIVATOR, INSTALLATION, (WIRING, DOORS, JAMBS, AND HARDWARE BY OTHERS) OR EQUAL. (SEE SPEC ON SHEET A-02)	5.REMOVE DOOR AND FRAME	6.REMOVE PARTITION TO OPEN NEW KITCHEN TO FELLOWSHIP HALL (SEE A4-1) PROVIDE LINTEL 12" MAX SPAN - (2) 1-3/4" X 11-1/4" 1.5E TI MICROCLAM LVL BLOCK TO MATCH EXISTING BEAMS IN SIZE AND COVER W/ GYP/SPUR BOARD	7.REMOVE ALL FIXTURES	8.REMOVE PARTITION AND DOORWAY FOR ANGLED ENTRY (SEE A4-1) - BRIDGE LINTEL: (2) 1-3/4" X 9-1/4" 1.5E TI MICROCLAM LVL, REPAIR CEILING & FLOOR	9.REMOVE PARTITION AND DOORS TO REMODEL STORAGE AREA	10.PROVIDE DOOR ACCESS FOR NEW ACCESSIBLE ENTRY AND RELOCATE HOSE BIBB	11.ADD ALTERNATE #5 - WALLS TO BE REMOVED
12.HOOK UPS FOR COFFEE STATION - OUTLET AND SMALL 1/4" WATER, FW, VO.	13.OPEN PASS THROUGH LAMINATE COUNTER WITH CABINETS BELOW (NO CABINETS ABOVE) ("PRINCE 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" 36" HIGH COUNTER AND SINK PER ADA REQ.)	15.SPECIAL CONVECTION OVEN / OR ADD ALTERNATE #8 - RANGE WITH OVEN HOOD (IF RANGE IS ADDED, KITCHEN SINK WILL NEED KNEE-TOE CLEARANCE FOR FORWARD APPROACH PER ADA)	16.ADD ALTERNATE #7 - NEW DEL DRS. PROVIDE LINTEL (2) 1-3/4" X 9-1/4" 1.5E TI MICROCLAM LVL	17.REMOVE DOORS, FRAMES, AND TRANSOMS	18.REMODEL EXISTING KITCHEN AS SHOWN FOR RESTROOM EXPANSION - ADD ALTERNATE #5	19.NEW BATHROOM VANITIES WITH LAMINATE COUNTER TOP - (34" HIGH PER ADA REQ.) (WOOD TRIMMED PLUMBING COVER AT ACCESSIBLE VANTY AREA - OR EQUAL, V33)	20.FOR ADD ALTERNATE #5 - 42" TALL WIDTH OK IF APPROACHING LATCH AND PUSHING DOOR IN AND, NO CLOSERS, OTHERWISE HALL HAS TO BE 48" WIDE	21.DROP CEILING - 246 LAY-IN ACOUSTICAL TILE AT KITCHEN AREA TO CONCEAL DUCT WORK. EXTEND DROP CEILING TO EAST BEAM FACE AND TO HALL, V.O. (DTL B/A-04)	22.REPAIR AND REPLACE DROP CEILING AS REQUIRED
23.MOVE BASEMENT WATER HEATER TO NEW CLOSET AT KITCHEN FOR ADD ALTERNATE #5	24.ADD ADA AND STANDARD DRINKING FOUNTAINS AT MAIN FLOOR FOR BASEMENT RE-USE SALVAGED DRINKING FOUNTAIN FROM MAIN FLOOR ONLY UNLESS LIFT ADDED	25.ADD 5/8" FIRE-RATED GYPSUM BOARD TO CLOSET CEILING UNDER STAIR	26.ENLARGE DOOR TO 5 FT, EXISTING 2HR WALL (PER ORIG DWG HAVE 1HR DOOR HERE) (REQUIRED 1-1/2HR FIRE-RESISTANCE RATING ON DOOR IN 2HR WALL) ELECTROMAGNETIC HOLD OPEN-CLOSER AUTOMATICALLY WITH FIRE ALARM SYSTEM (PROVIDE LINTEL - (4) 1-3/4" X 14-1/8" TI MICROCLAM LVL) W/WD OVER SPRINKLER STUD MAILED BUILT UP WOOD COLS @ EA END	27.REMODEL BSMT KITCHEN WITHOUT BATHROOM CHANGES	28.FOLD UP BABY CHANGING TABLE "FOUNDATION" OR EQUAL, VO.	29.SOUND ATTENUATION BATTs, 3.5" THERMAFIBER OR EQUAL BETWEEN STUDS	30.NEW OVERHANG, ADA ACCESS AND ADA ENTRY - STEPS AND WALK - PROVIDE LINTEL - (2) 1-3/4" X 9-1/4" 1.5E TI MICROCLAM LVL	31.NEW WALK FOR ADA ACCESS	32.ADD ALTERNATE #1 - PLATFORM LIFT "GENESIS VERTICAL PLATFORM LIFT" BY GARAVANTIA LIFT (OR EQUAL, V.O.) PROVIDE EXHAUSTION AND CONCRETE WORK FOR 8" RT AT BASEMENT LEVEL & WALLS, DOORS, FLOOR FRAMING, SUMP AND PUMP ETC AS REQUIRED	33.FLUP DOOR
34.REWOOD BOARD FACING AT WALL FACING FELLOWSHIP HALL. VERIFY WALL HEIGHT W/ OWNER	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/30 NET = 36 OCC LOAD)								



#	room name	floor	base	N	E	S	W	mat'l	Ht	remarks
	BASEMENT LEVEL									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 & CHG					51				
7	EXISTE STORAGE	36	36	17/51			51		36	
8	STORAGE	48	44	17/51	17/51	51		36/12		
9	EXISTE RESTROOM-WOMENS	48	44	51						ALTERNATE #5 OF
10	EXISTE RESTROOM-MENS	48	44		17/51					ALTERNATE #5 OF
11	EXISTING KITCHEN	48	44				17/51			
12	CORRIDOR	21	49	17/51	51		17/51	12		
13	EXISTE MECHANICAL RM	36	36	36	36	36	36			
14	EXISTMECHANICAL RM			36	36	36	36			

00	NARTHEX	36	36	51	51	51	51	36	ALTERNATE #8
01	ANTEROOM			51	20	51	51		
02	PASTOR OFFICE	21			51	51	51		
03	WORK AREA								
04	GATHERING AREA								
05	NURSERY								
06	HALL			17.51		17.51			
07	STORAGE-WOMEN'S	48	48	51		17.51	17.51	2.46	USE EXISTING INOOD IF ADEQUATE
08	RESTROOM-MENS	48	48	17.51	17.51	20.31	17.51		OR NEW ACOUSTIC TILE
09	PREP KITCHEN	48	48	17.51	17.51	51	17.51	12	
10	STORAGE	48	48	17.51	17.20.51	51	17.20.51	17.51	ADJACENT CORRIDOR TO 110 - CLG + HALLS 17A
11	SANITARY			51	51	51	51	36	ALTERNATE #8 ONLY
12	FELLOWSHIP HALL	21	48	51	51	51	51		
13	MECHANICAL RM 1	36	36	36	36	36	36		
14	NEW STORAGE RM	7	48	17.51	17.51	17.51	17.51		ALTERNATE #7

		SIZE	MTRL.	RATED	TYPE	RM LOCATION	HT F.V.	NOTES
A	DOUBLE DRS AT NARTHEX	36"	B. C. NO	40 MIN	F	100	80"	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 DRS - STORAGE - MAIN FLOOR	36"			F	110		ROLLER - LATCH (FELLOWSHIP HALL) LOCK
F	RESTROOM DOORS - BASEMENT	60"			F	910		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	106		LATCH LOCK
L	DOUBLE DRS - BSMT	64"			H	81		NO LOCK, LEVER HANDLE
M	PASTOR OFFICE DOOR	36"			F	102		LEVER HANDLE LOCK
N	DOUBLE EXIT DOORS AT NEW EXIT - NARTHEX	72"			E	100	✓ MATCH EXISTING DOOR	POWER ASSISTED DOOR OPERATOR ALT #3 PANIC HARDWARE LOCK LEVER HANDLE, GLASS PANEL
O	EXTERIOR, paint on inside to match walls	36"	8TL		D	112	80"	LOCK
P	DOUBLE DRS - STORAGE - MAIN FL	72"	SGAD	45	F	114	80"	ROLLER - LATCH, NO LOCK

2 UNFIN CONC	21 CARPET TILE	41 SERVICE SINK
3 CERAMIC TILE	22 42 STONE	43 VINYL SHEET
4 QUARRY TILE	23	44 VINYL TILE
5 CARPET	24 PORCELAIN TILE	45 VINYL TREADS/RISERS
6 RESILIENT TILE	25 FRAME	46 WOOD
7 HARDWOOD	26 FOLDING PARTITION	47 LAY-IN WOOD CELLG W/VD BMS - ALT
8 LINOLEUM	27 FLOOR SINK	48 LVLT- LUXURY VINYL
9 UNFINISHED	28 GLASS	49 VINYL COVE BASES
10 PLASTIC CLS HT	29 GLAZED TILE	50 WINDOW SHADES
11 LAY-IN ACOUSTIC BOARD	30 HOLLOW CORE WOOD	51 PAINT
12 ALUMINUM	31 HOLLOW METAL	52 FIBER REINFORCED PLASTIC WALL PANELS - KITCHEN
13 ACOUSTIC TILE- DROP CLG	32 MICHG EXISTO	53 ACOUSTIC TILE - KITCHEN ZONE
14 BRICK	33 MASTER-PAINTED	54 STONE VISUAL ELEMENT IN RECESSED AREA - ALT
15 CONCRETE BLOCK-PTD	34 PLASTER	
16 CEILING	35 FLYWOOD	
17 CONCRETE (SEALED @ FLOORS)	36 NO CHANGE	
18 DRYWALL	37 SUFFIX: PATCH & PAINT	
19 EXCEPT AS NOTED	38 SKM COAT PLASTER - PTD	
20 EXISTING	39 SOLID CORE WOOD	
	40 SCILAR	

Figure 1 shows eight typical window and door configurations labeled (A) through (H). Each diagram includes a fire rating for the main opening and, where applicable, a rating for the glazing. (A) Window with 20 MIN rating. (B) Window with GLASS "A" SAFETY GLAZING. (C) Window with 20 MIN rating and 2 1/2 MIN GLAZING on the top half. (D) Door. (E) Door with 2 1/2 MIN GLAZING on the top half. (F) Window with 90 MIN rating. (G) Door with 90 MIN rating. (H) Door with 2 1/2 MIN GLAZING on the top half. Arrows indicate the fire rating for the main opening and the glazing.

KITCHEN

1. REMOVE PARTITIONS

2. CONVERT STORAGE/PRINTING ROOM TO KURSEY

3. REMOVE KITCHEN AND APPLIANCES

4. ADD ALTERNATE #5 - POWER DOW OPERATOR AT NEW NARTHING EXTERIOR DOOR  
LOW ENERGY, DUAL PUSH (2 DOORS), WITH ACTIVATOR, INSTALLATION, WIRING, DOORS, JAMB,  
AND HARDWARE BY OTHERS OR EQUAL. (SEE SPECS ON SHEET A-02)

5. REMOVE DOOR AND FRAME

6. REMOVE PARTITION TO OPEN NEW KITCHEN TO FELLOWSHIP HALL (SEE A4-1)  
PROVIDE LINTEL 1/2" MAX SPAN - (2) 1-3/4" X 1-1/4" X 1-5/8" TI MICROCILLUM WALL  
BLOCK TO MATCH EXISTING BEAMS IN SIZE AND COVER W/GYPSUM BOARD

7. REMOVE ALL FIXTURES

8. REMOVE PARTITION AND DOORFRAME FOR ANGLED ENTRY (SEE A4-1) - PROVIDE LINTEL 1/2"  
(2) 1-3/4" X 9-1/4" 1.5E TI MICROCILLUM WALL, REPAIR CEILING & FLOOR

9. REMOVE PARTITION AND DOORS TO REMODEL STORAGE AREA

10. PROVIDE DOOR ACCESS FOR NEW ACCESSIBLE ENTRY AND RELOCATE HOSE BBS

11. ADD ALTERNATE #5 - WALLS TO BE REMOVED

12. HOOK-UPS FOR COFFEE STATION - OUTFLET AND SMALL 1/4" WATERLINE, F.V., D.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. BUILD UP WITH CABINETS ABOVE, LAMINATE COUNTER  
("WORK SURFACE" 36" HIGH COUNTER AND SINK OVER ADA REG.)

● CONTRACTOR TO SUBMIT DRYERS FOR OWNER REVIEW

15. SPECIAL CONVECTION OVEN / ADD ALTERNATE #5 - RANGE WITH OVEN HOOD (IF RANGE IS  
ADDED, KITCHEN SINK WILL NEED NET/CLEARANCE FOR FORWARD APPROACH PER ADA)

16. ADD ALTERNATE #2 - NEW DELTA. PROVIDE LINTEL (2) 1-3/4" X 9-1/4" 1.5E TI MICROCILLUM WALL

17. REMOVE DOORS, FRAMES, AND TRANSOMS

18. REMOVE EXISTING KITCHEN TO RESTRUCTURE EXPANSION - ADD ALTERNATE #5

19. WOOD TRIMMED PLUMBING CURB AT ACCESSIBLE VANITY AREA - OR EQUAL, V.O.)

● CONTRACTOR TO SUBMIT SKECH OR PHOTO

20. FOR ADD ALTERNATE #5 - 4" HALL WIDTH C/O APPROACHING LATCH AND PUSHING DOWN IN  
AND NO CLOSERS; OTHERWISE HALL HAS TO BE 48" WIDE

21. DROP CEILING - 2X4 1/4" H. ACQUASTICAL TILE AT KITCHEN AREA TO CONCEAL DUCT WORK. EXTEND  
DROP CEILING TO EAST BEAM HALL AND TO HALL, V.O. (D11, 84-A-0)

22. REPAIR AND REPLACE DROP CEILING AS REQUIRED

23. MOVE BASEMENT WATER HEATER TO NEW CLOSET AT KITCHEN FOR ADD ALTERNATE #5

24. ADD ADA AND STANDARD DRINKING FOUNTAINS AT MAIN FLOOR  
FOR BASEMENT RE-USE SALVAGED DRINKING FOUNTAIN FROM MAIN FLOOR ONLY  
UNLESS LIFT ADDED

25. ADD 5/8" FIRE-X GYPSUM BOARD TO CEILING UNDER STAIR

26. ENLARGE DOOR TO 5 FT. EXISTING 2X4 WALL (PER ORG HAVE 1/8" DOOR HIDE)  
PROVIDE 1-1/2"HR FIRE-RESISTANCE RATING ON DOOR (2 HR WALL)  
ELECTROMAGNETIC HOLD-OPEN CLOSERS AUTOMATICALLY WITH FIRE ALARM SYSTEM  
[REQUIRE LINTEL - (2) 1-3/4" X 1/4" 1.5E TI MICROCILLUM WALL  
WITH 2X6 SPS SOUTH STUD NUBLED BUILT UP WOOD COLS @ EA END

27. REMOVE BSMT KITCHEN WITHOUT BATHROOM CHANGES

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

29. SOUND ATTENUATION BARS, 3.5" THERMAFIBER OR EQUAL BETWEEN STUDS

30. NEW OVERHANG, ADA ACCESS AND ADA ENTRY - STEPS AND WALK -  
PROVIDE LINTEL - (2) 1-3/4" X 9-1/4" 1.5E TI MICROCILLUM WALL

31. NEW WALK FOR ADA PLATFORM

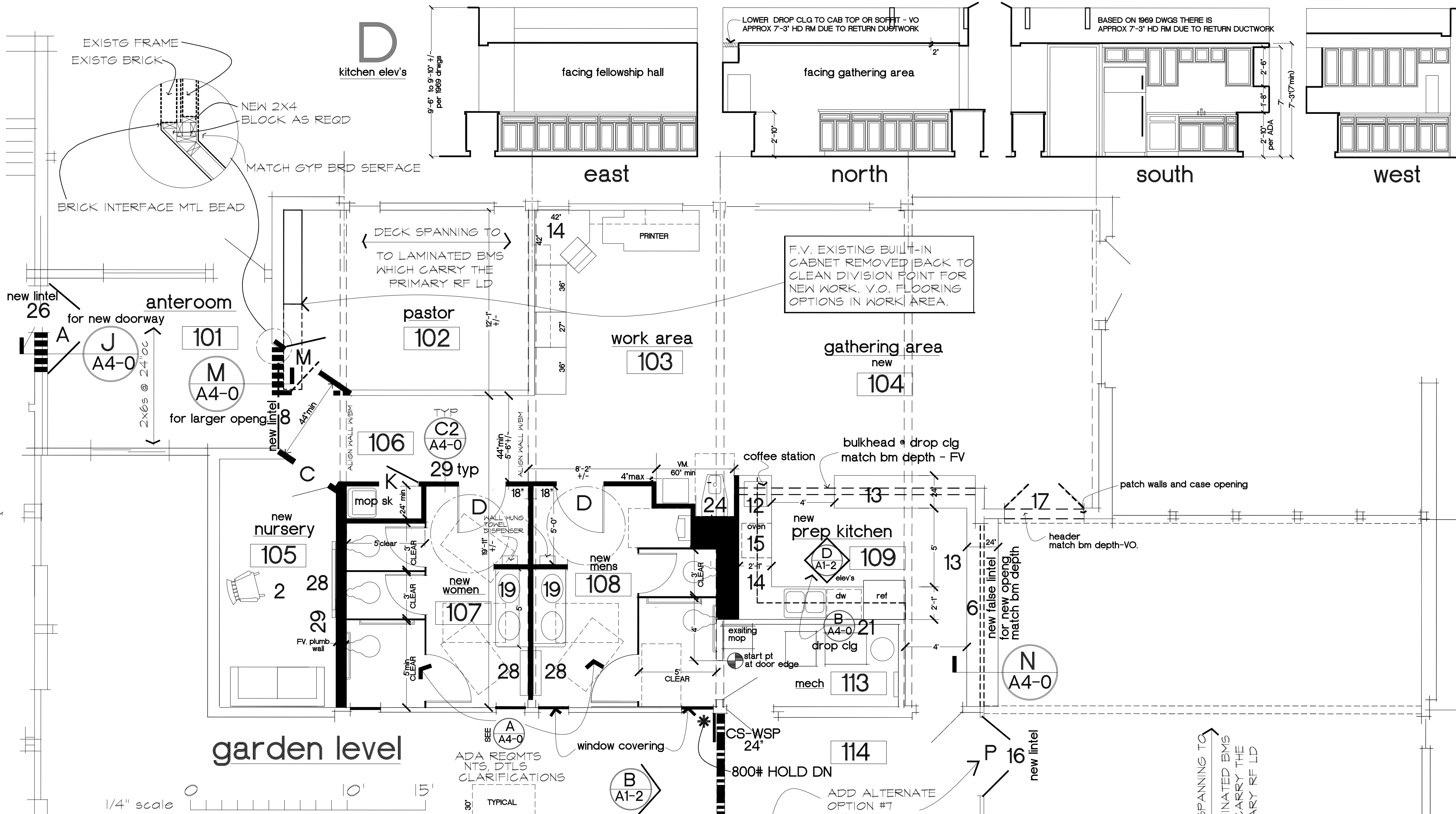
32. ADD ALTERNATE #3 - PLATFOMR LIFT "GENESIS VERTICAL PLATFORM LIFT" BY GARAVANTIA LIFT  
(OR EQUAL, V.O.) - PROVIDE EXCAVATION AND CONCRETE WORK FOR 3" PIT AT BASEMENT LEVEL &  
WALLS, DOORS, FLOOR, FRAMING, SUMP AND PUMP ETC. AS REQUIRED

33. FLIP DOOR

34. REDWOOD BOARD FACING AT WALL FACING FELLOWSHIP HALL - VERIFY WALL HEIGHT W/ OWNER

35. REMOVE ROOM DIVIDER

36. DOORS CAN SWING INTO ROOM AS OCCUPANT LOAD UNDER 50 - (BC 2009 1008.1.2  
CLASSROOM #1 & 2 - 706 SF/202 NET = 36 CC LOADS)

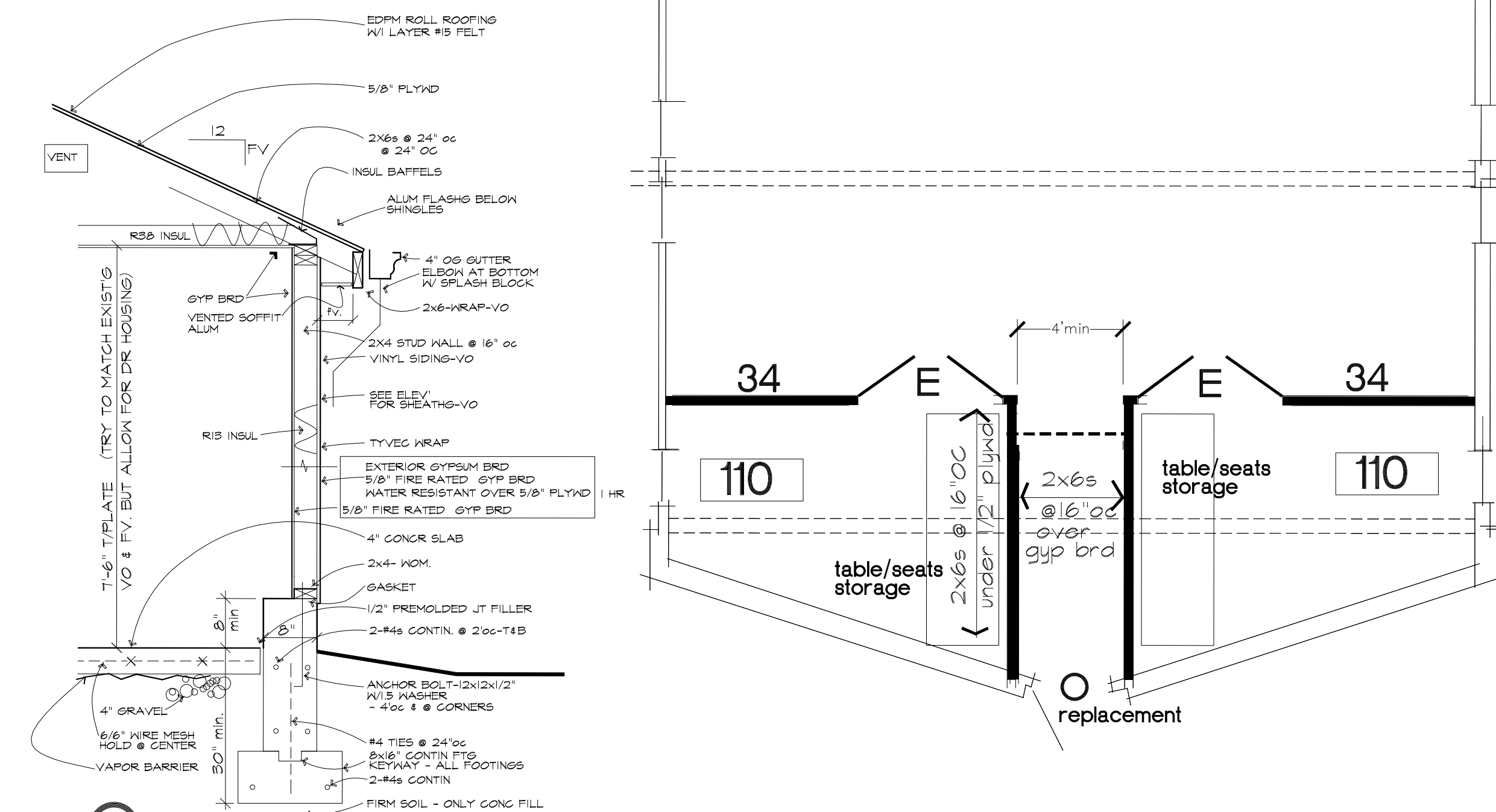


A1-2 1/4" scale

**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 GUARANTEE OR WARRANT ANYTHING. OUR AGENTS 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 TO THE DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SCALE ADJUSTMENTS FOR HIS APPROVAL, BEFORE SUCH ADJUSTMENTS ARE MADE. DO NOT SCALE DRAWINGS.

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

**B** w. elevation new store rm addition



new store rm addition section

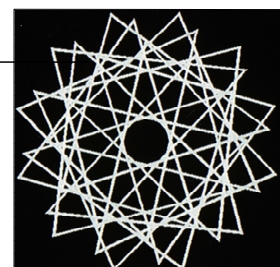
date issued:	
BID:	8/27/18
PERMIT:	
CONTR.:	
revision:	
scope:	MISCELLANEOUS IMPROVEMENTS

project/owner:

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

date sealed:

project code:	
dir:	
file:	
blks:	
drawing title:	
	PROPOSED
	1ST FLR PLAN

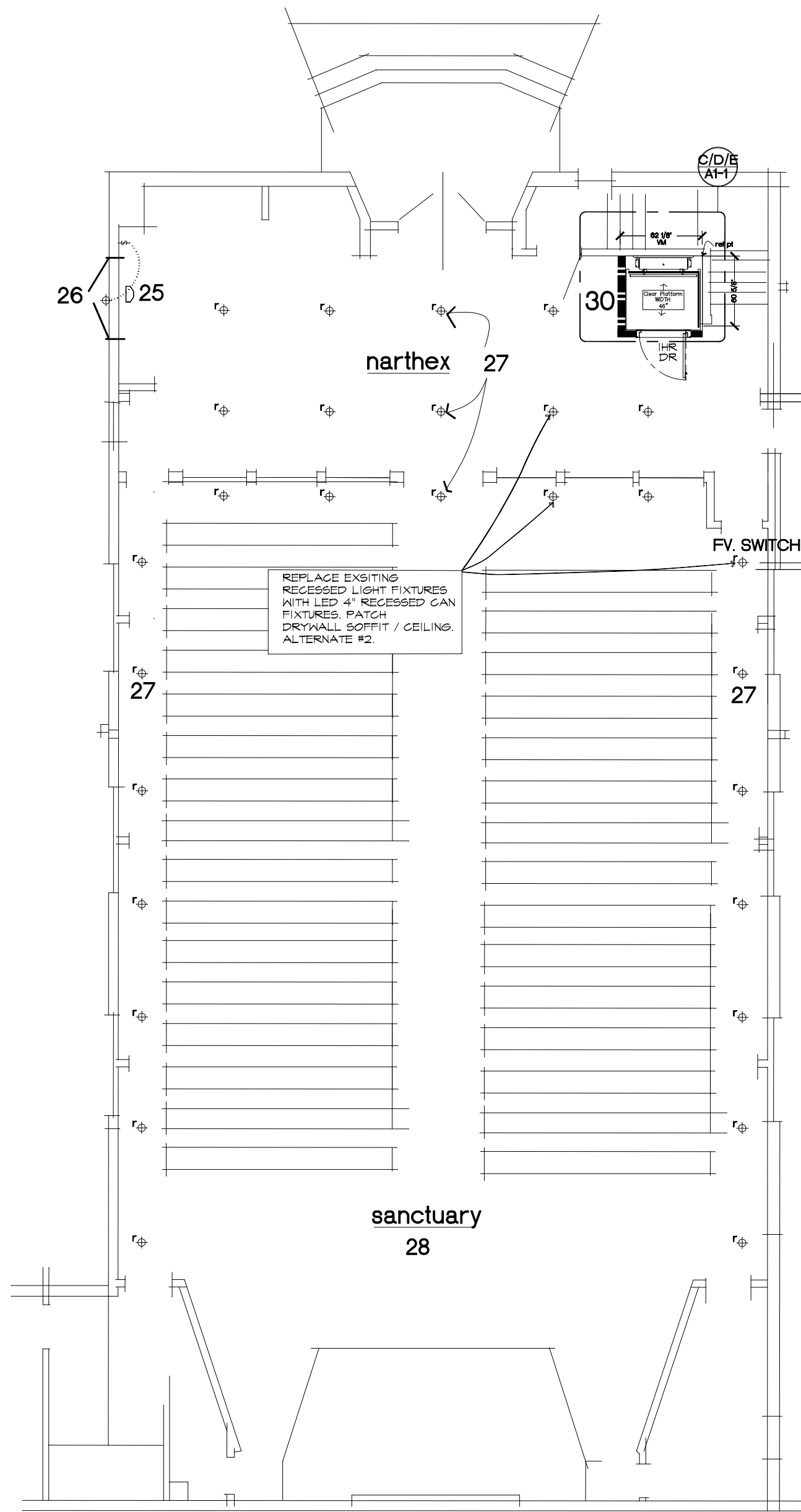


G.CLINTON BORROR  
ARCHITECT/PLANNER  
AND ASSOCIATES  
636 938 9807

sheet: 6 of 10

 A1-2





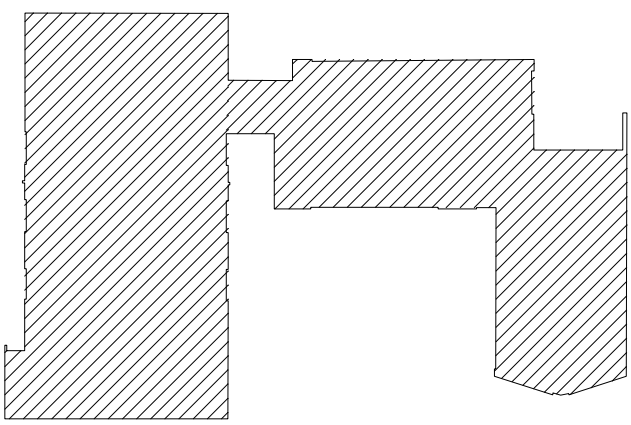
garden level

### 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 :

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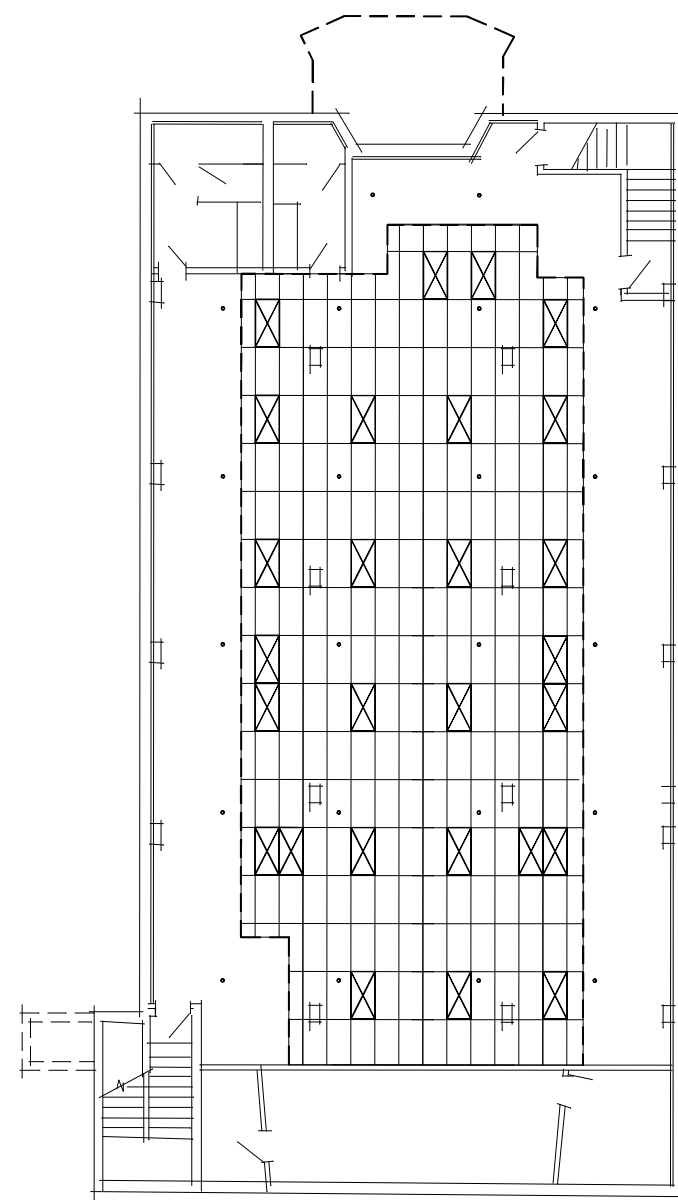


locator

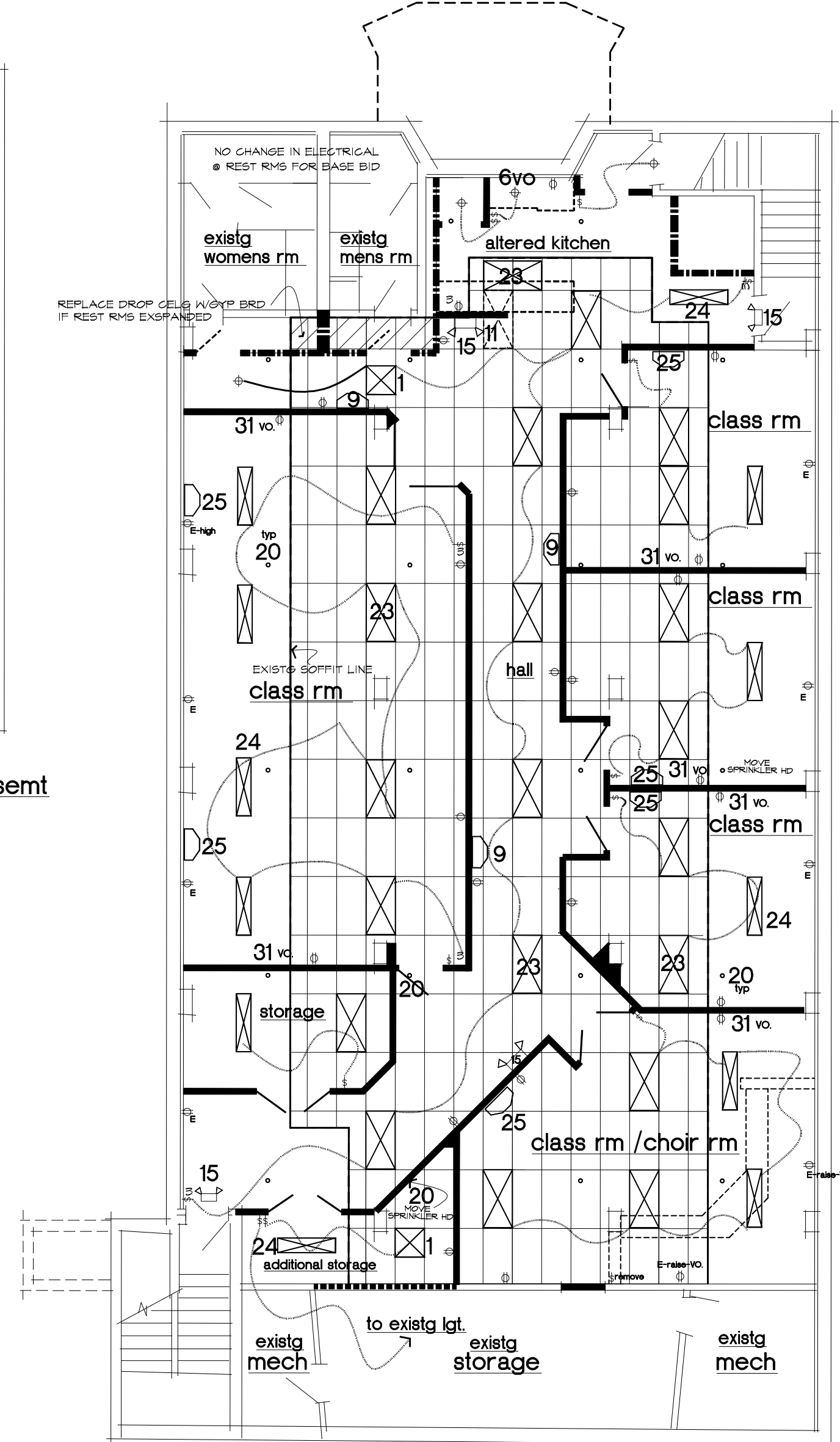
proposed garden level plan

1/8" scale

for typical suspended clg details

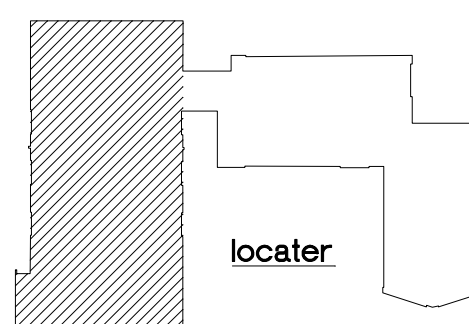


approx existg ceilg plan at basemt



proposed reflected ceilg plan at basemt

1/8" scale



locator

### 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., FV.

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 CHECK 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 CHECK EXISTING EXIT SIGN 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 NEW EMERGENCY LIGHTING WITH 90 MIN BATTERY BACK-UP. CHECK EXISTING EMERGENCY LIGHTING WITH BATTERY BACK-UP FOR SAFE WORKING ORDER AND COMPLIANCE WITH APPLICABLE CODE REQUIREMENTS. TEST. REPAIR OR REPLACE AS NEEDED.
- 26 ADD ALTERNATE #3 POWER DOOR OPERATOR
- 27 ADD ALTERNATE #2 REPLACE LIGHT FIXTURES IN SANCTUARY SIDE AISLES AND NARTHEX
- 28 ADD ALTERNATE #6 ADD SANCTUARY TO SMOKE DETECTION SYSTEM
- 29 ADD 1" CONDUIT WITH PULL CABLE BETWEEN BALCONY STORAGE ROOM AND CEILING PLENUM OF NEW KITCHEN FOR FUTURE TECH. USE
- 30 ADD ALTERNATE #11 VERIFY WITH LIFT SUPPLIER ELECTRICAL NEEDS
- 31 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
- 32 REMOVE EXISTG FIXTURE COVER BOX WITH PRESENTABLE BOX COVER

date issued:

BID: 8/27/18

PERMIT:

CONTR.:

revision:

scope:

MISCELLANEOUS IMPROVEMENTS

project/owner:

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

date sealed:

project code:

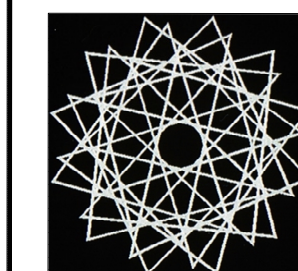
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electrical and sprinkler  
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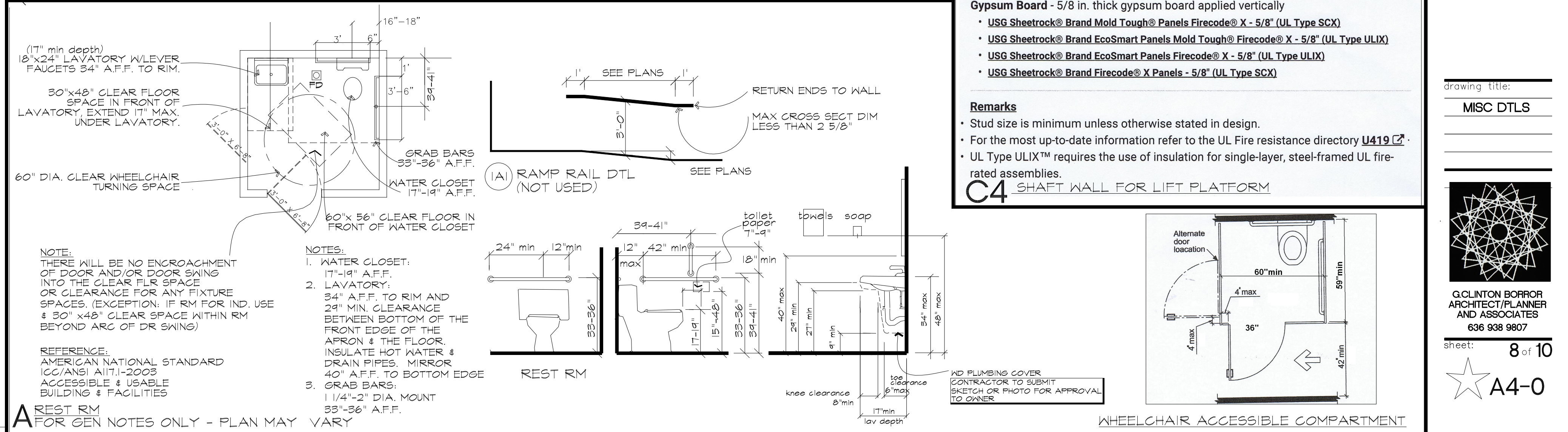
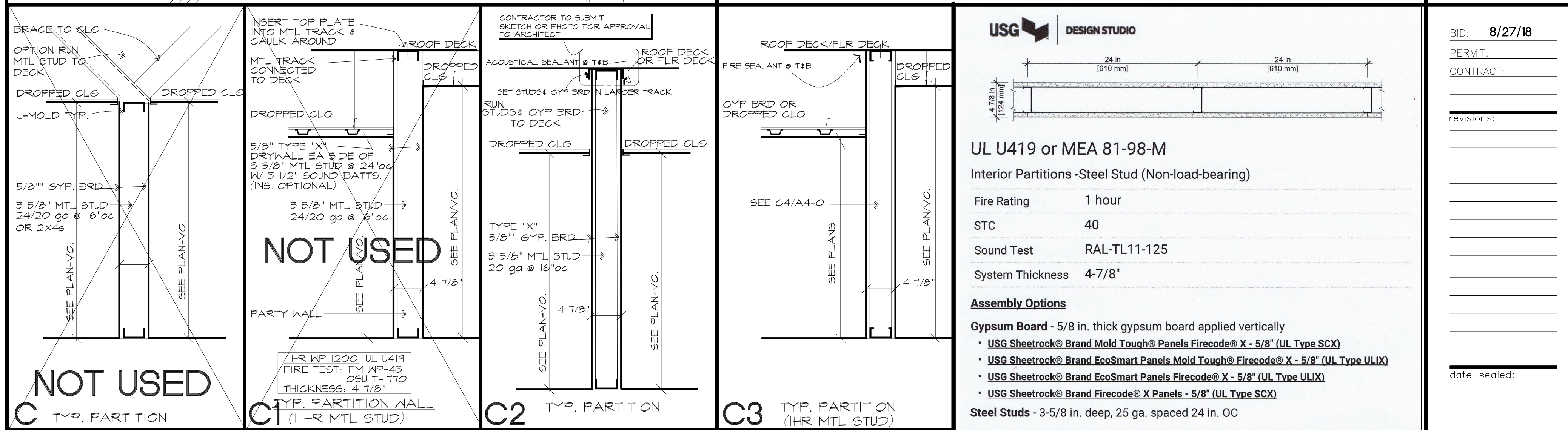
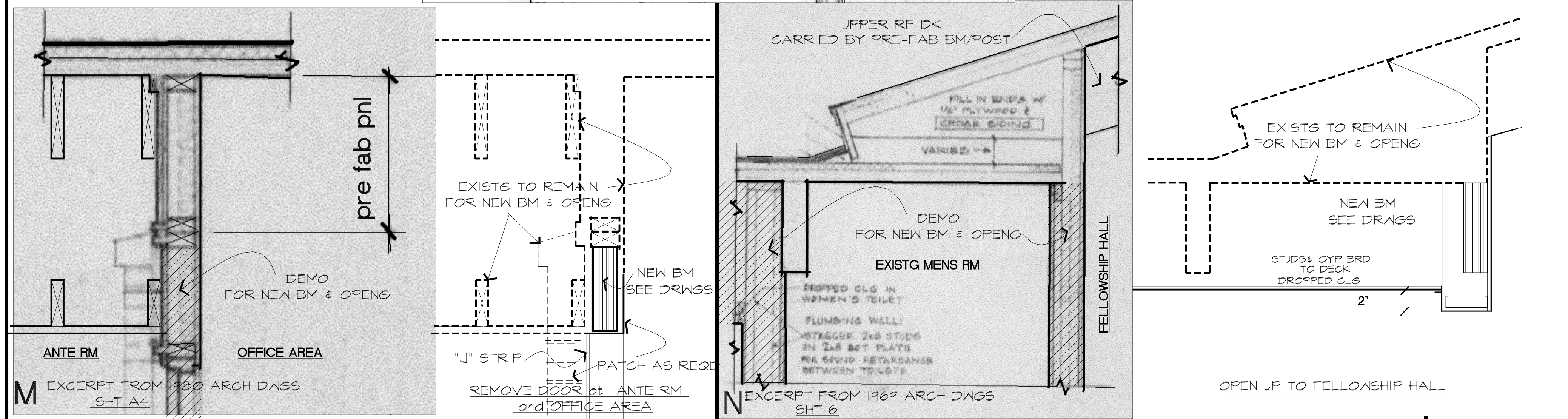
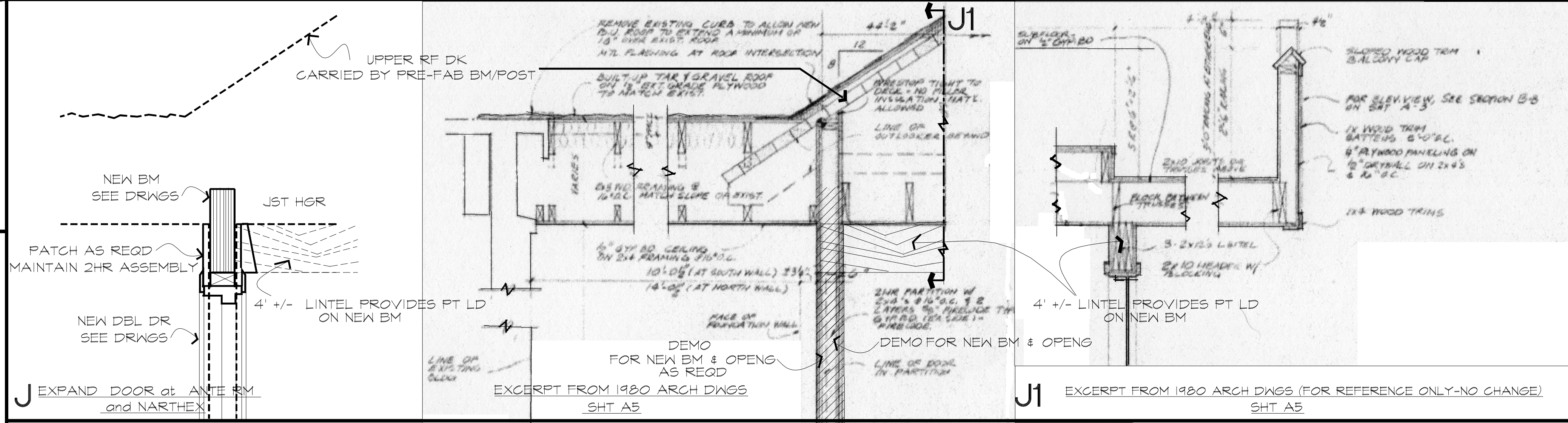
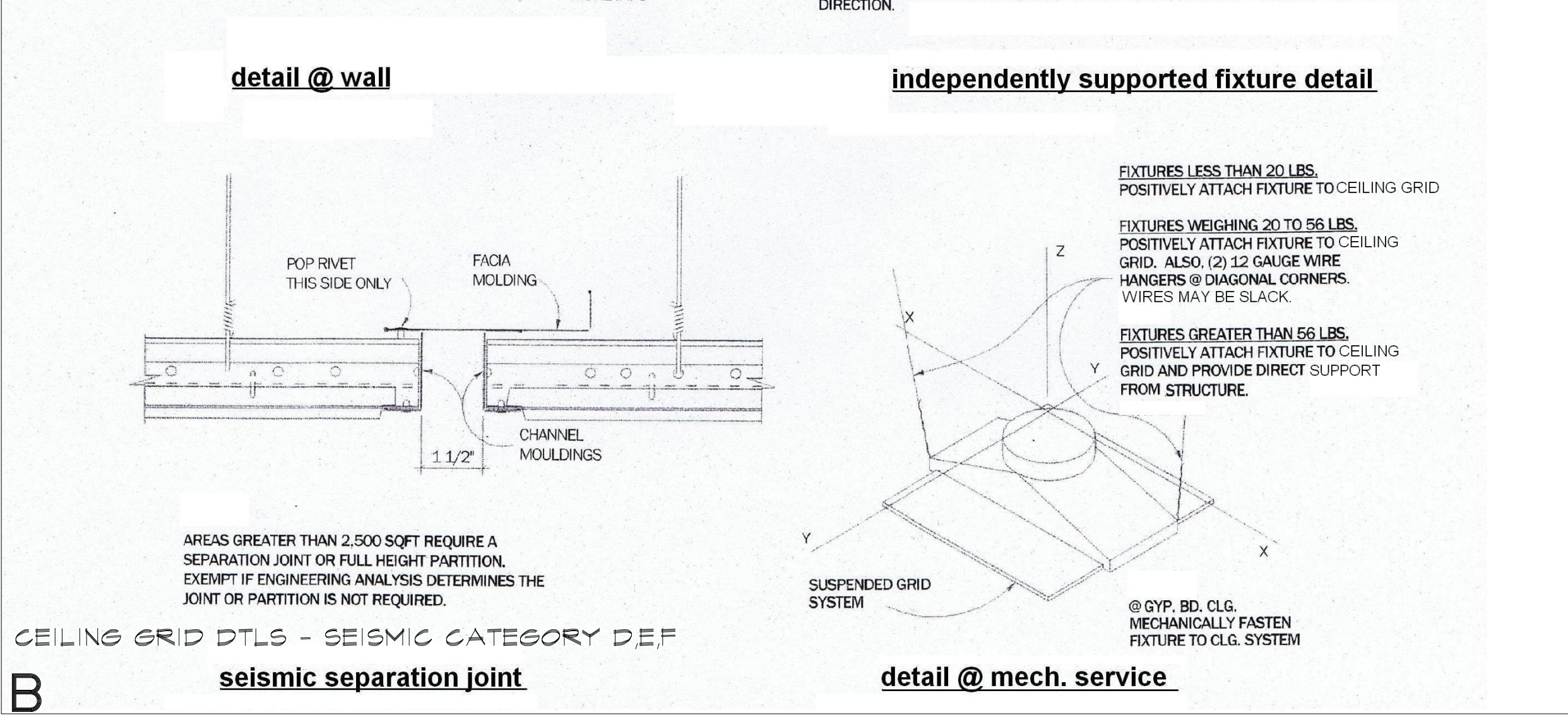
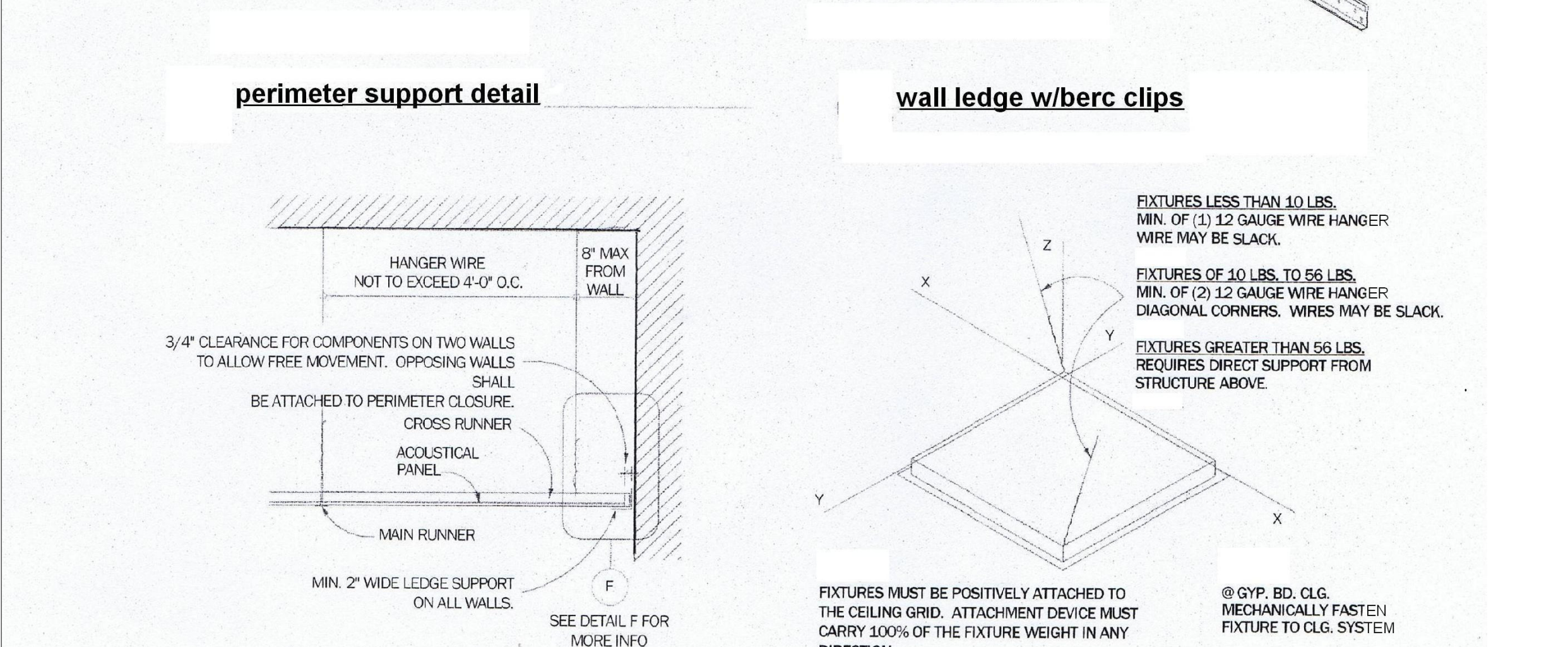
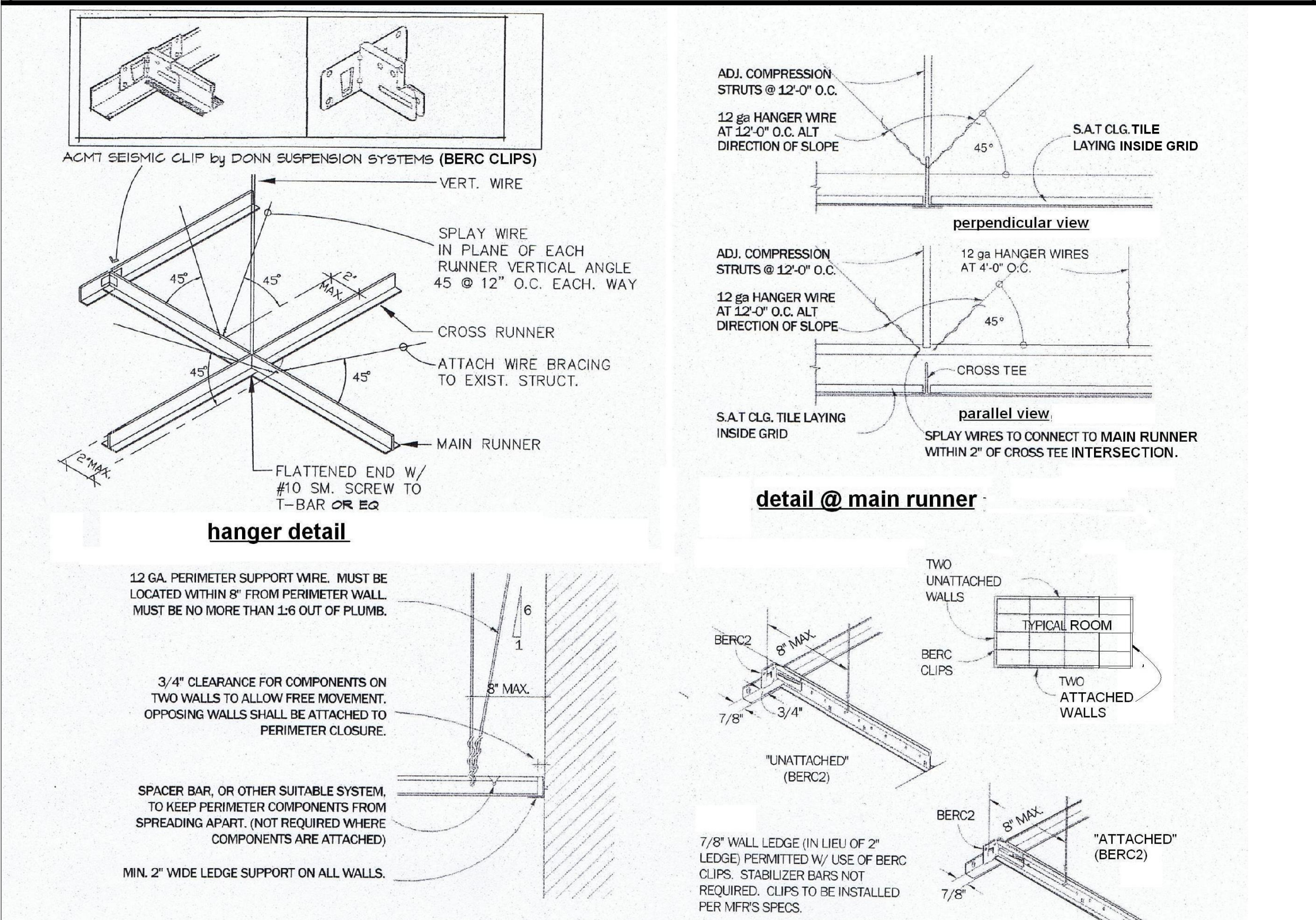
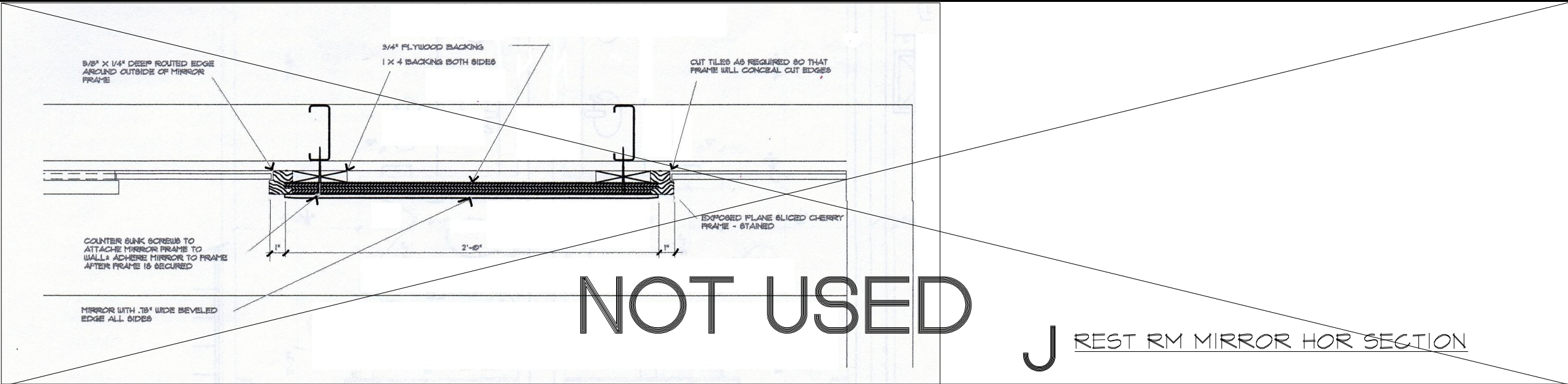


GCLINTON BORROR  
ARCHITECT/PLANNER  
AND ASSOCIATES  
636 938 9807

sheet: 7 of 10

A1-3e



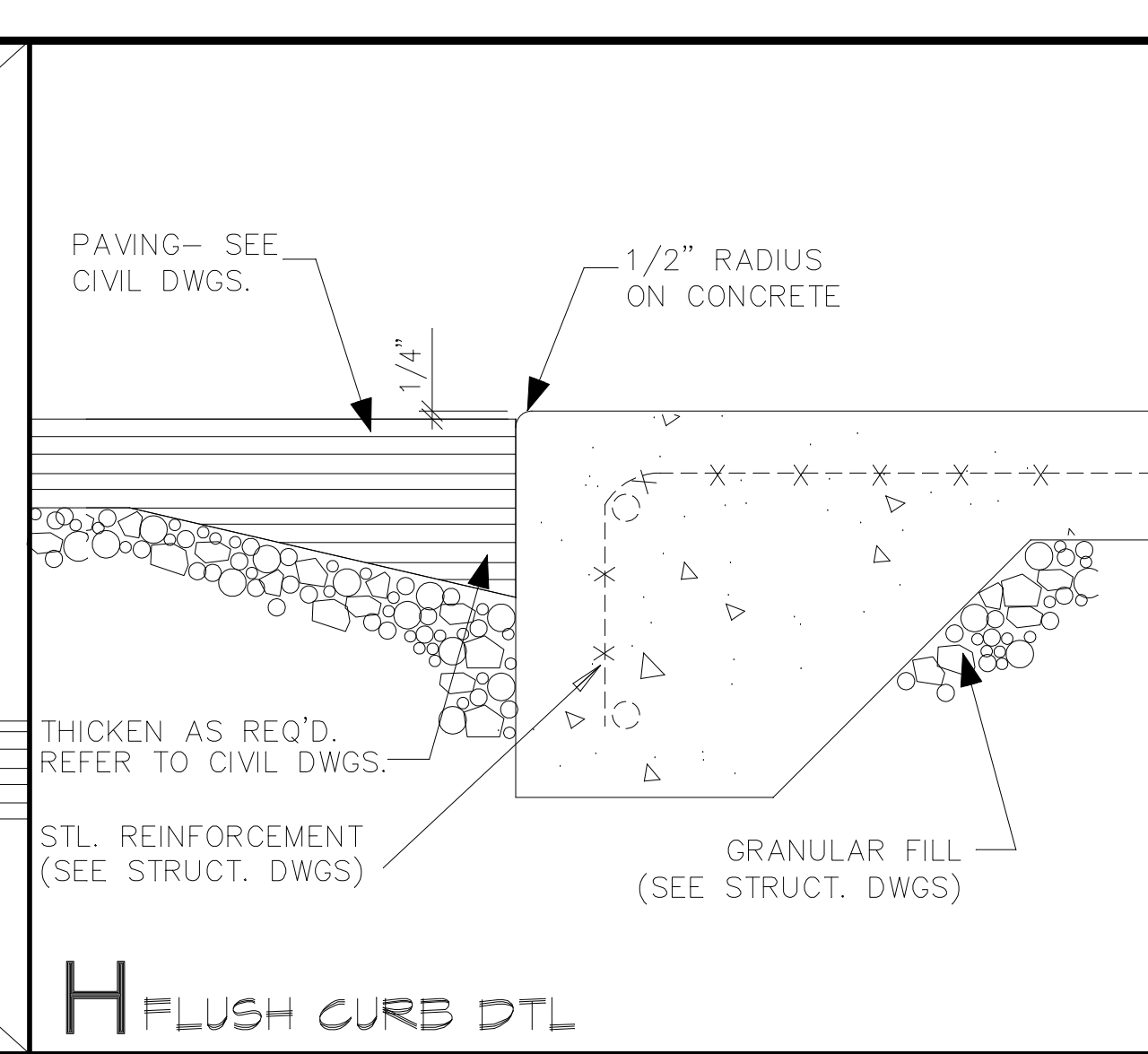
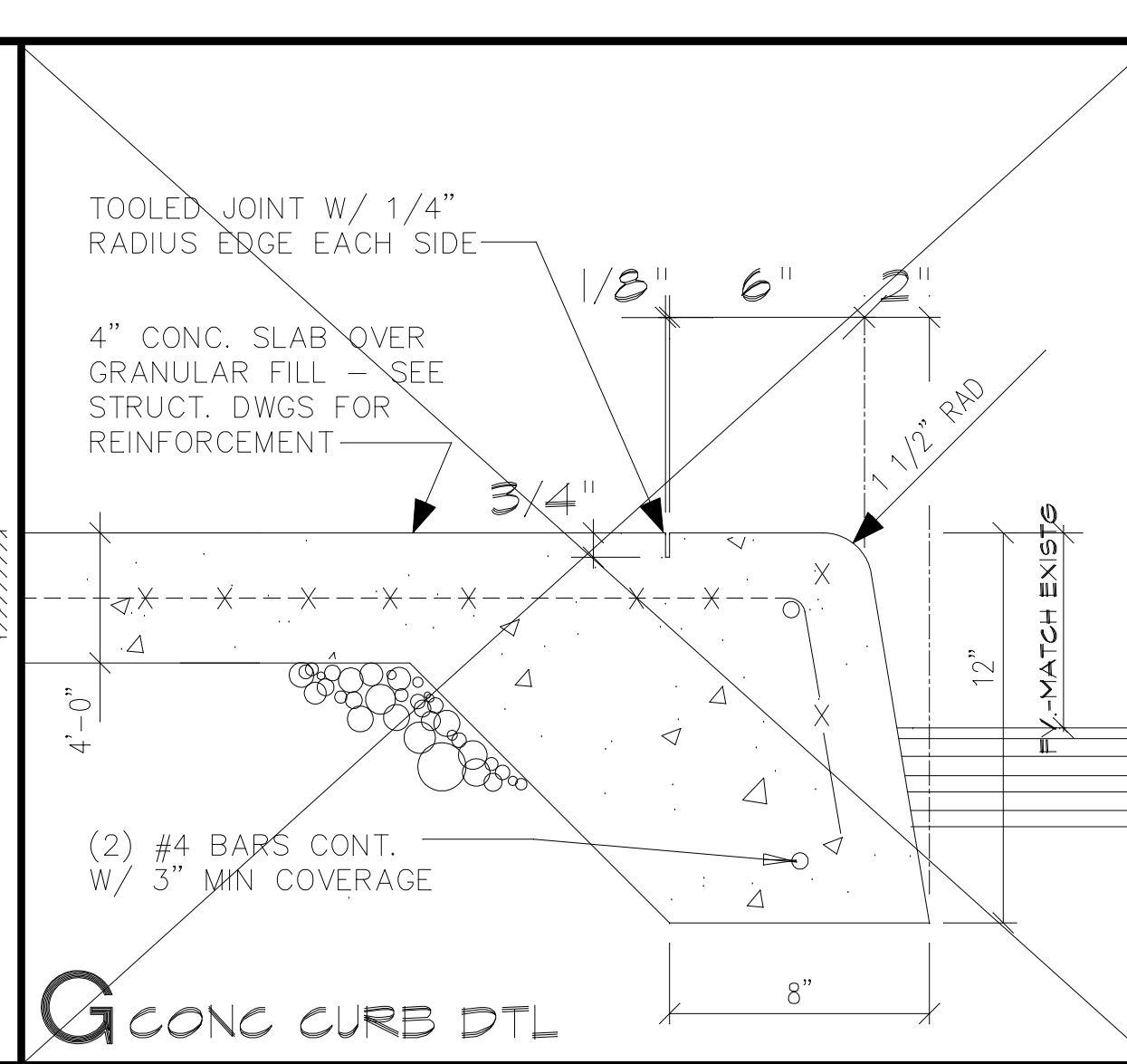
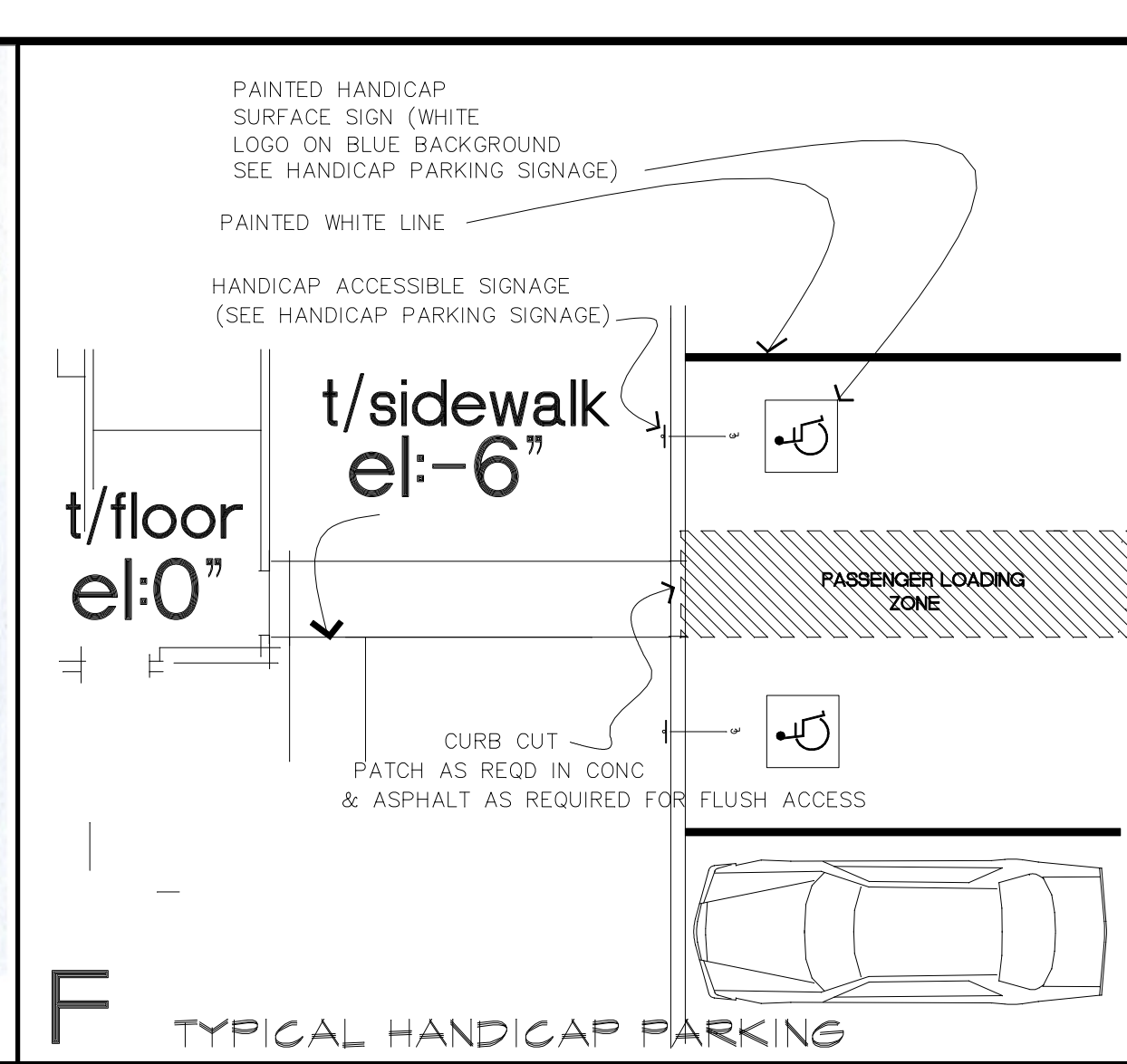
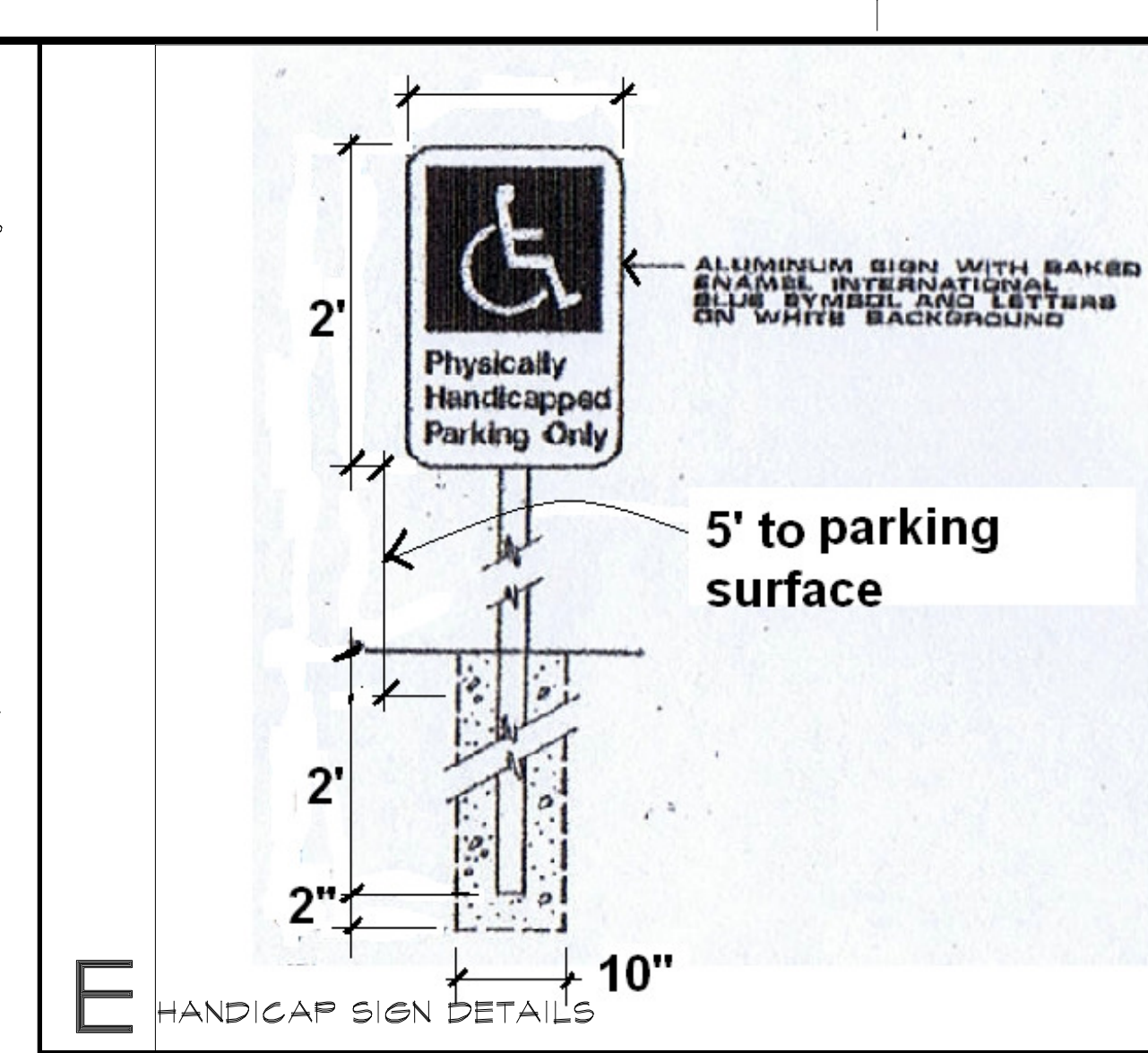
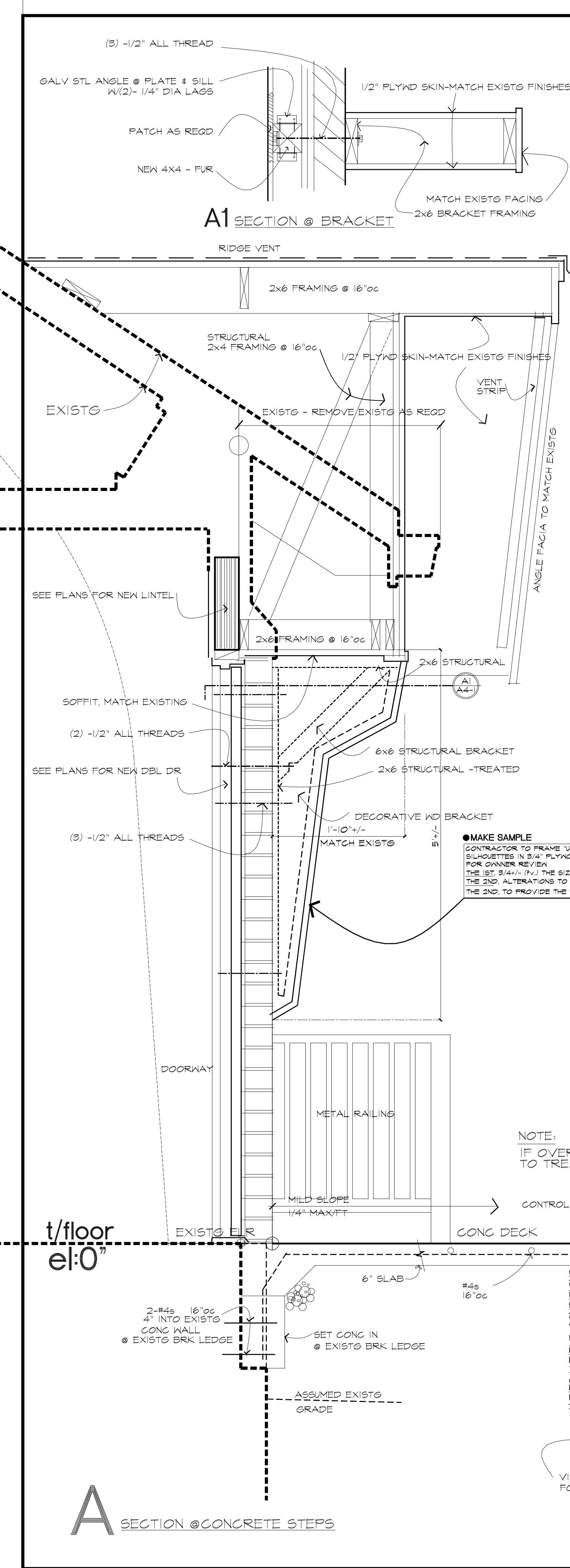


7/30/14

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A4-0





**CONCRETE AND FOUNDATION**

I. CONCRETE PIERS SUPPORTING POSTS SHALL BE SEPARATED FROM CONCRETE SLABS BY EXPANSION JOINT.

II. CONCRETE FOR STRUCTURAL PURPOSE - 3000 PSI MIN COMPRESSIVE STRENGTH.

III. CONCRETE FOR FLAT WORK SHALL BE 3500 PSI MIN COMPRESSIVE STRENGTH 28 DAYS - 3" TO 4" MAX SLUMP. W/C RATIO .55.

IV.

V. ALL FOOTINGS SHALL BEAR ON SOIL WITH MINIMUM BEARING CAPACITY OF 1500 PSI.

VI. FOUNDATIONS SHALL NOT BE PLACED IN WATER OR FROZEN SOIL. ROD THE FRESH CONCRETE AND FILL EXCESS SOIL CUTS W/ CONCRETE ONLY.

VII. SOILS W/ HIGH CLAY CONTENT CAN HAVE HIGH SHRINKAGE CAPABILITY. CORRECTION OF THIS CONDITION IS VERY COMPLEX & EXPENSIVE. SHRINKAGE CAN CAUSE CRACKING AND SETTLEMENT UNLESS THE OWNER IS WILLING TO BEAR THE EXPENSE FOR EXAMINATION BY A SOILS ENGINEER. THE ARCHITECT IS NOT RESPONSIBLE FOR A DESIGN THAT COMPENSATES FOR THIS POSSIBLE CONDITION AND IS THEREFORE NOT RESPONSIBLE FOR DAMAGE DUE TO SOIL SHRINKAGE & EXPANSION.

VIII. ALL CONCRETE TO BE AIR ENTRAINED.

IX. EXTERIOR FOOTINGS SHALL BE 30" MIN DEPTH ON SOUND VIRGIN SOIL.

X. ANCHOR BOLTS - SEE BUILDING PLANS.

XI. REINFORCING - USE #4'S UNLESS NOTED OTHERWISE.

ALL REINFORCING IS TO CONFORM TO LATEST ACI CODE DETAILING MANUAL

ALL REINFORCING SHALL BE ASTM A615 GRADE EXCEPT STIRRUPS & TIES MAY BE GRADE 40

ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185

PROVIDE THE FOLLOWING MIN CONCR COVER:

CONCRETE EXPOSED TO EARTH 3"

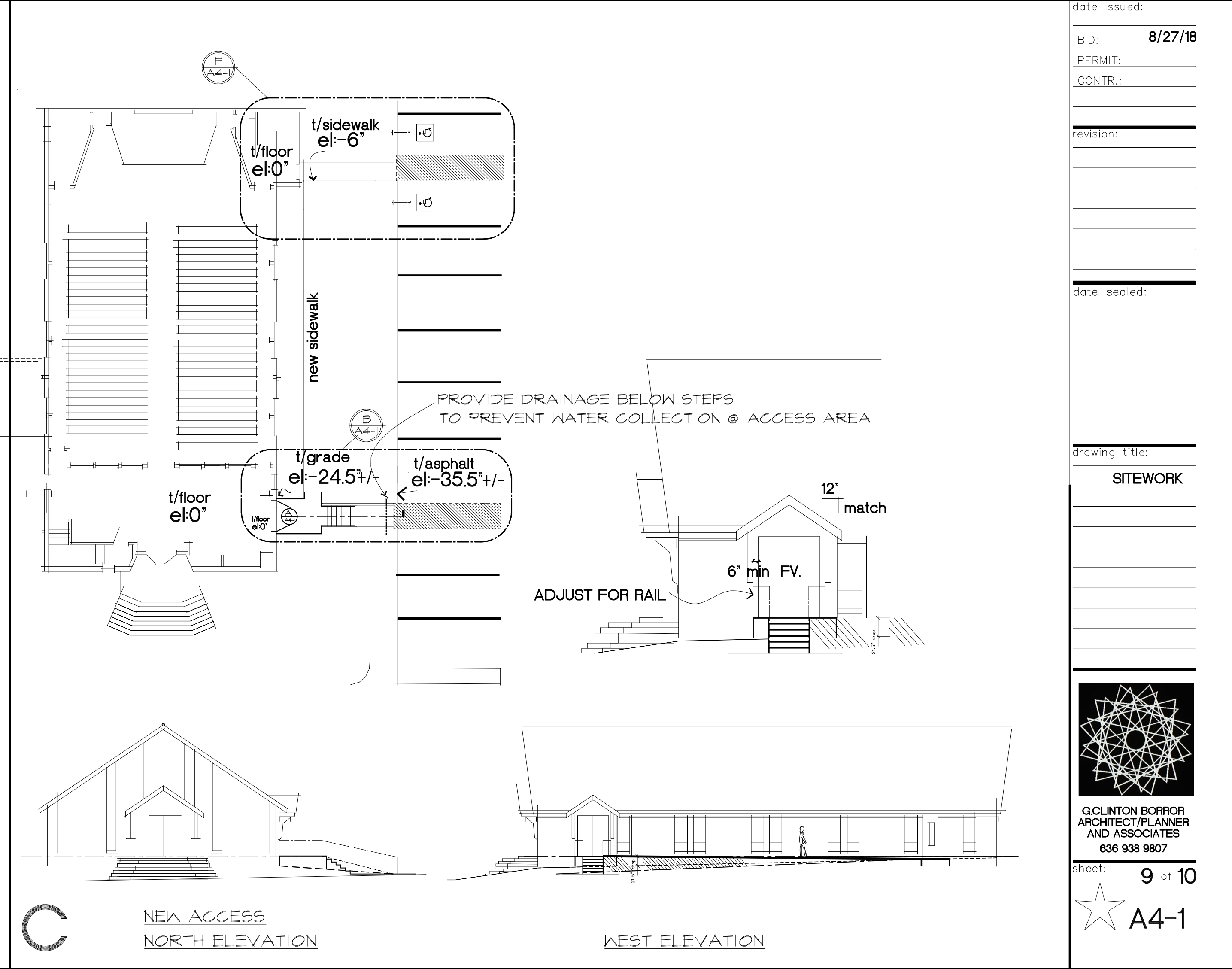
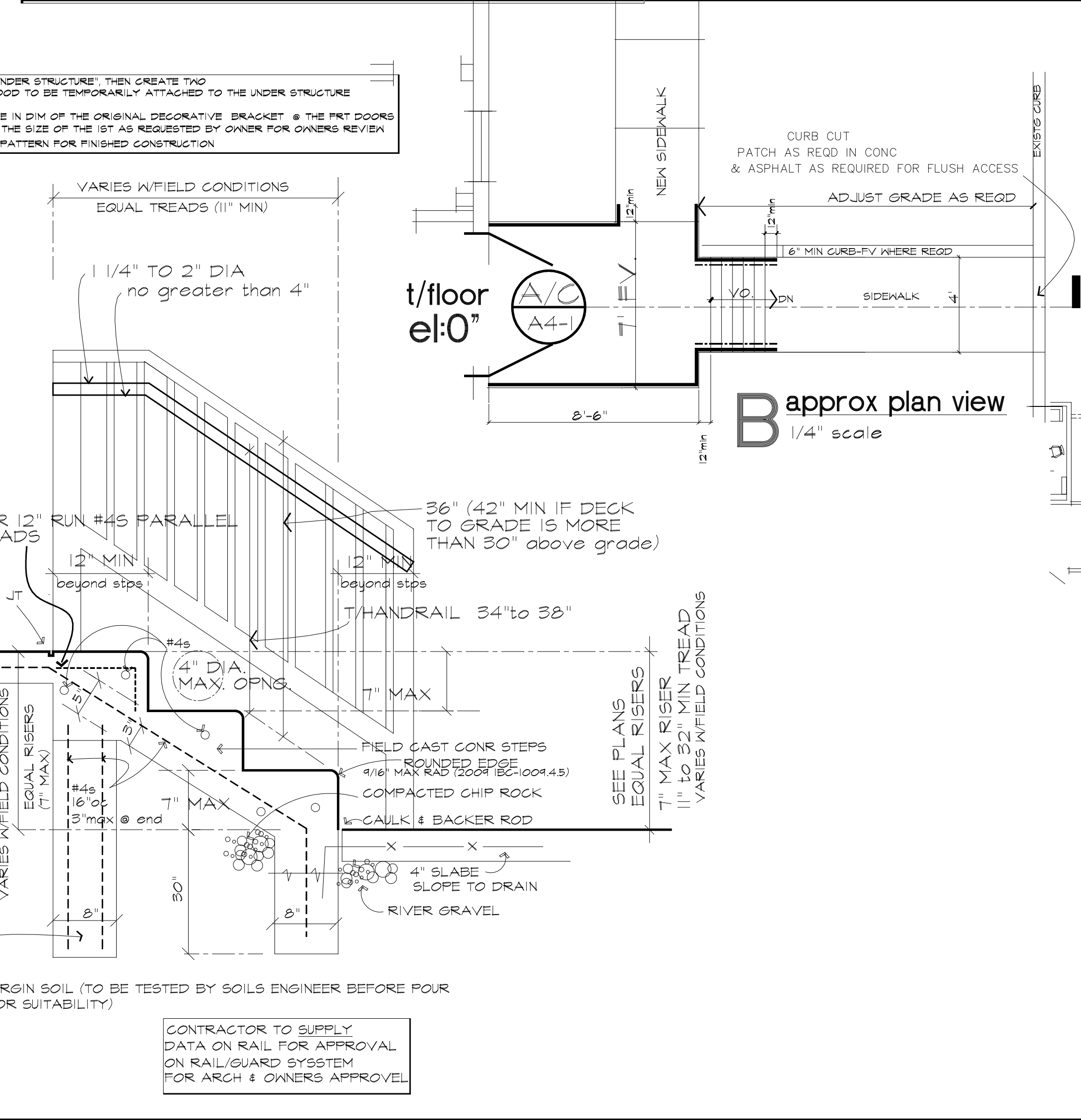
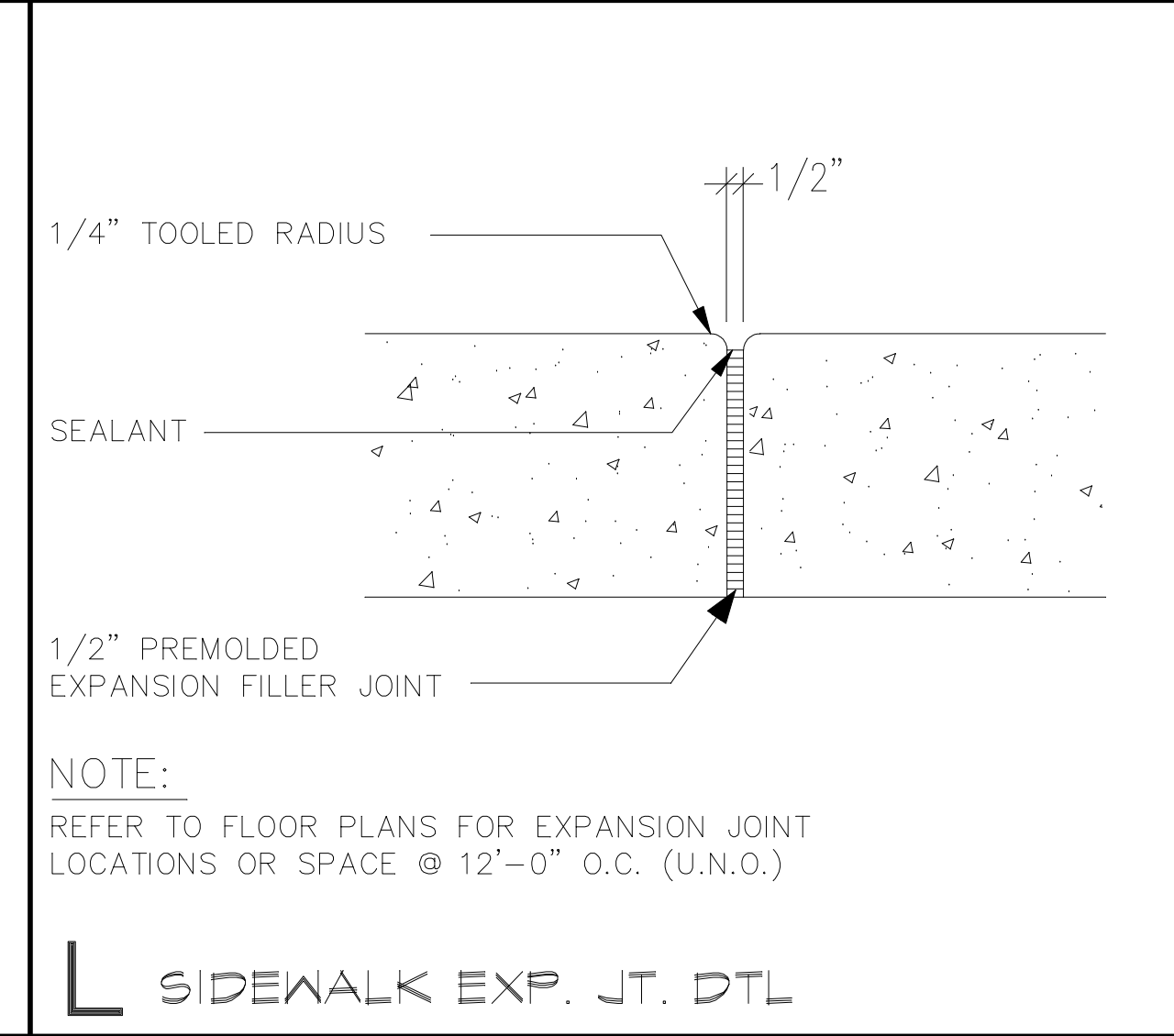
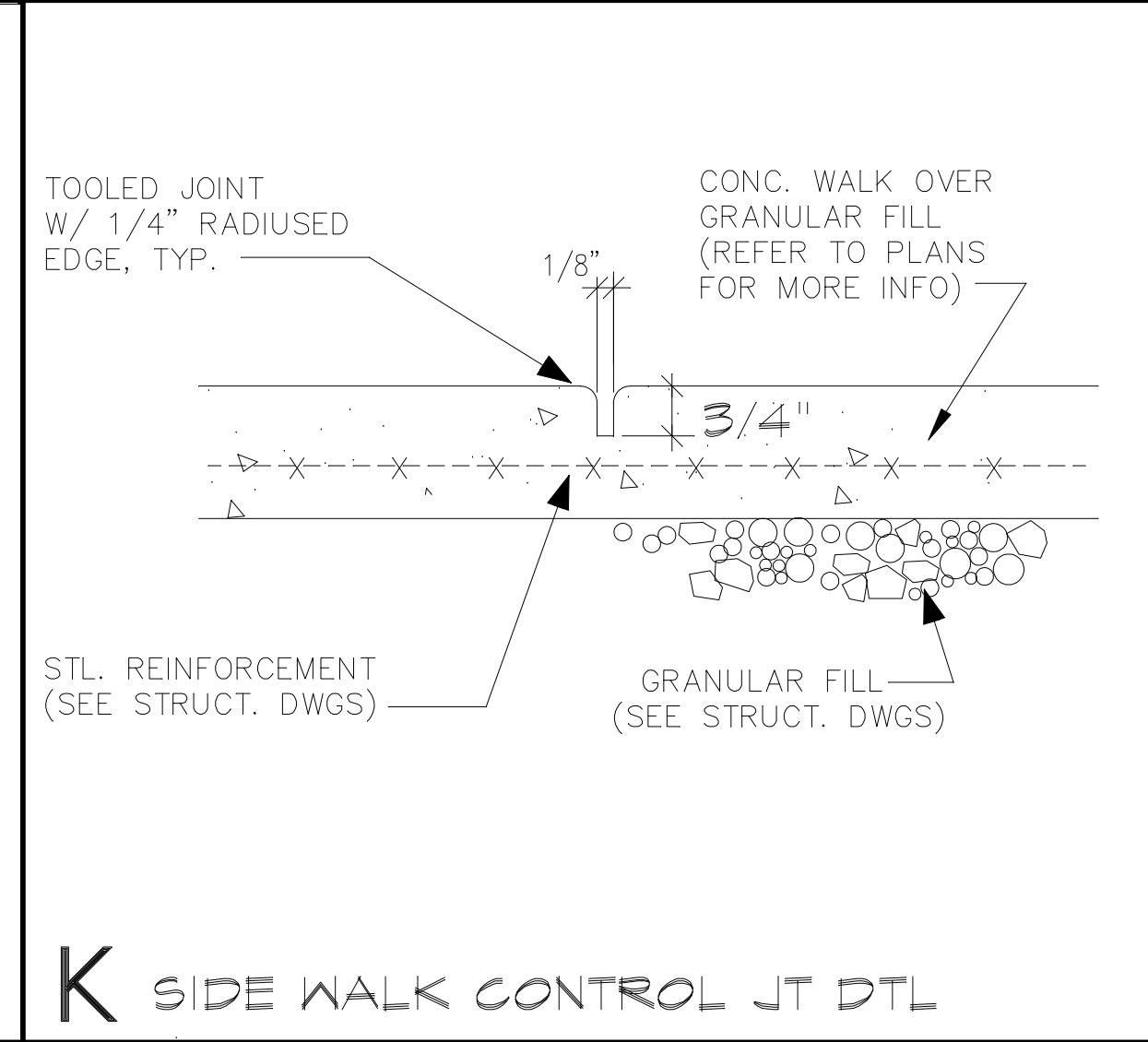
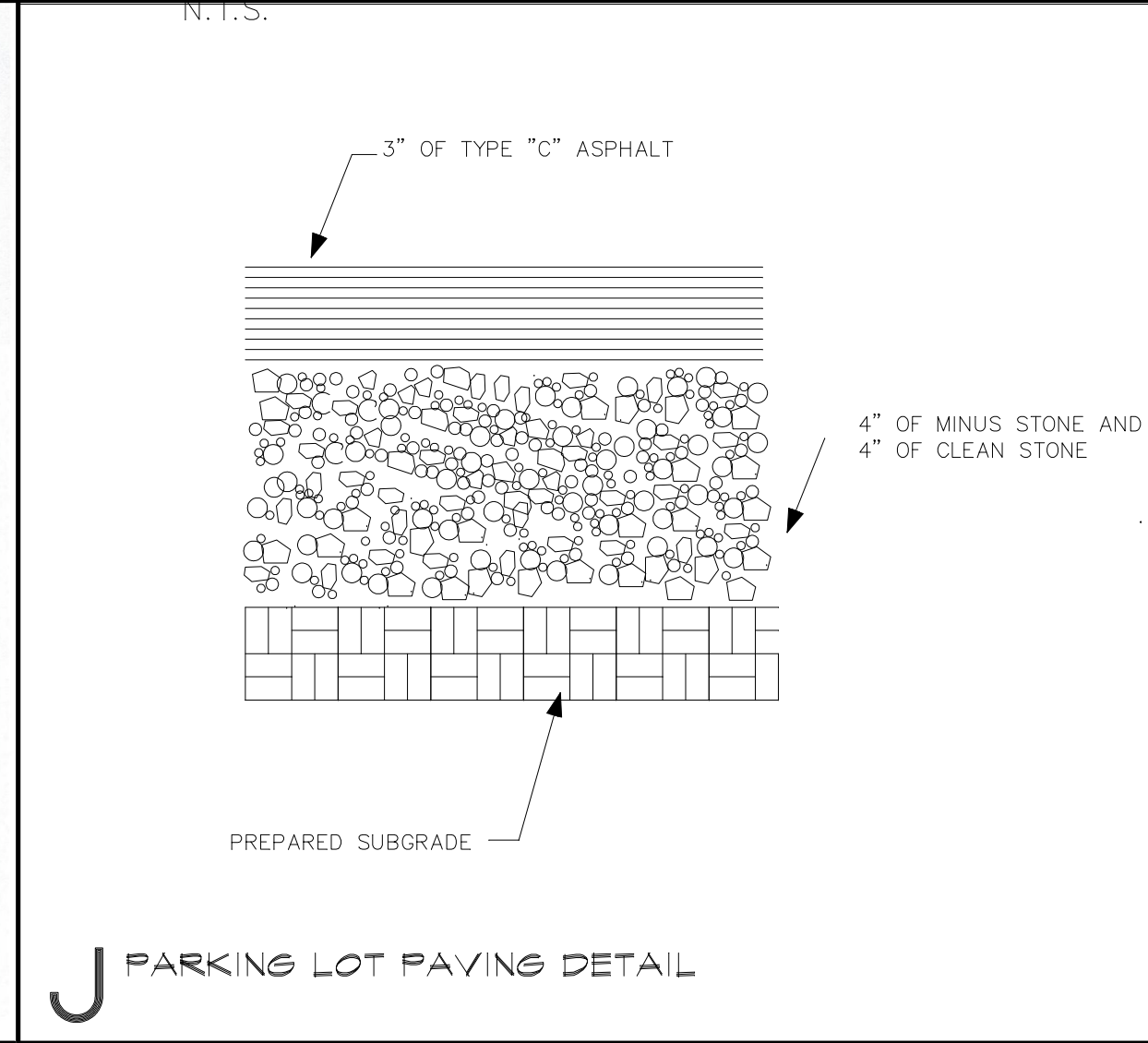
CONCRETE EXPOSED TO WEATHER 2"

CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT W/ EARTH:

SLABS/WALLS 3/4" OTHER 1 1/2"

2" LONG LEGS #4BARS @ ALL INTERSECTIONS IN FDTN WALL @ 24" MIN - VERT

XII. SOILS TEST - GENERAL CONTRACTOR IS REQUIRED TO HAVE EXCAVATIONS FOR FOOTINGS TO BE TESTED BY A SOILS CONSULTANT BEFORE POURING.



date issued:	8/27/18
BID:	
PERMIT:	
CONTR.:	
revision:	
date sealed:	
drawing title:	SITEWORK
sheet:	9 of 10
A4-1	



