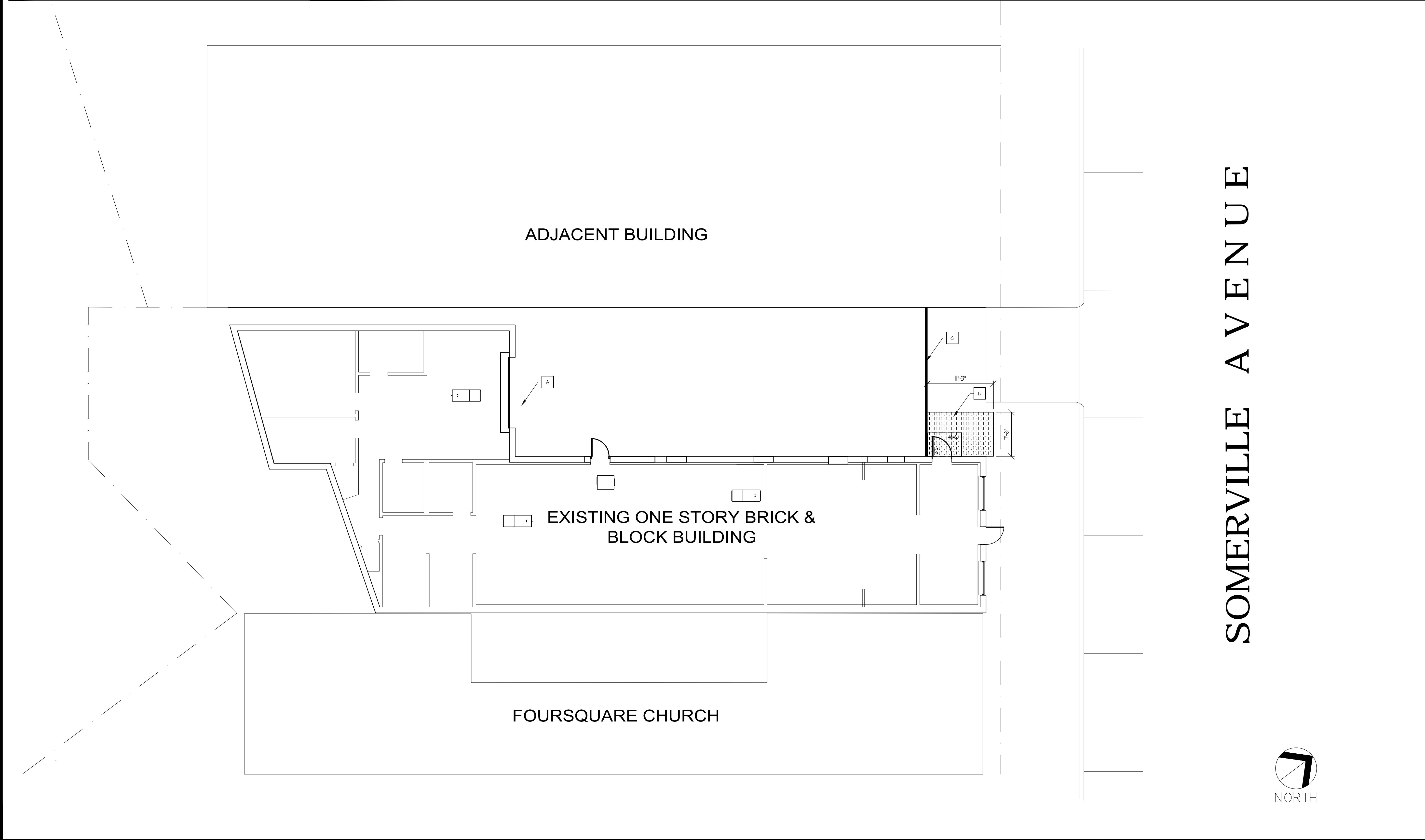


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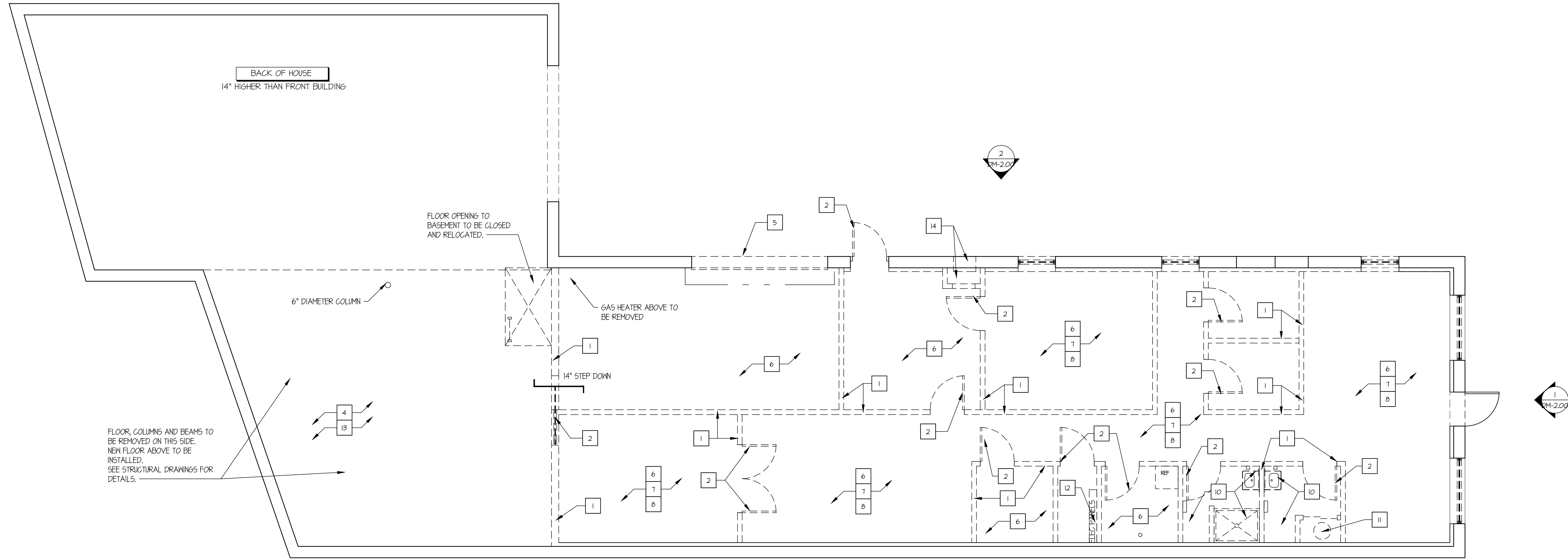
<div><div>A</div>LOADING DOCK.</div> <div><div>B</div>PROPOSED CONCRETE CURB (TYP.)</div> <div><div>C</div>SLIDING SECURITY GATE</div> <div><div>D</div>PROPOSED ACCESSIBLE RAMP</div>		GENERAL SITE NOTES: 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT LOCAL, STATE AND FEDERAL REGULATIONS. 2. THE EXISTING UTILITIES AND OBSTRUCTIONS SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND SHALL BE VERIFIED BY THE CONTRACTOR TO HIS SATISFACTION PRIOR TO CONSTRUCTION. NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SERVICES AND MAINS, AND ANY DAMAGE TO THEM SHALL BE REPAIRED IMMEDIATELY AT HIS OWN EXPENSE. 3. IT SHALL BE UNDERSTOOD THAT THE CONTRACTOR IS REQUIRED TO COMPLETE ALL WORK THAT IS DISCUSSED WITH THE ACH AND IS REQUIRED BY McDONALD'S STANDARD SPECIFICATIONS, REGARDLESS OF INCLUSION OF SAID WORK ON DOCUMENTS. 4. NO UTILITY, SEWER, WATER OR STORM DRAINAGE CONSTRUCTION IS ANTICIPATED AS PART OF SITE IMPROVEMENTS, UNLESS NOTED OTHERWISE. 5. AREAS INDICATED AS HANDICAPPED PARKING SPACES, LANDINGS AND CROSSWALKS WILL BE CONSTRUCTED AT GRADE, NOT TO EXCEED 1.2% SLOPE IN ANY DIRECTION, UNLESS INDICATED ON SITE PLAN. 6. CONTRACTOR SHALL REMOVE AND REPLACE ONLY THAT ASPHALT PAVEMENT NECESSARY TO CONSTRUCT IMPROVEMENT SHOWN ON THE SITE PLAN. THE CONTRACTOR SHALL MILL AND REPLACE EXISTING ASPHALT PAVEMENT, IF NECESSARY, TO PROVIDE POSITIVE DRAINAGE AND SMOOTH TRANSITION TO AND FROM IMPROVEMENTS.	
2	SITE PLAN KEYED NOTES	3	SITE PLAN GENERAL NOTES
SCALE: N.T.S.		SCALE: N.T.S.	



1	SITE PLAN
SCALE: #####	

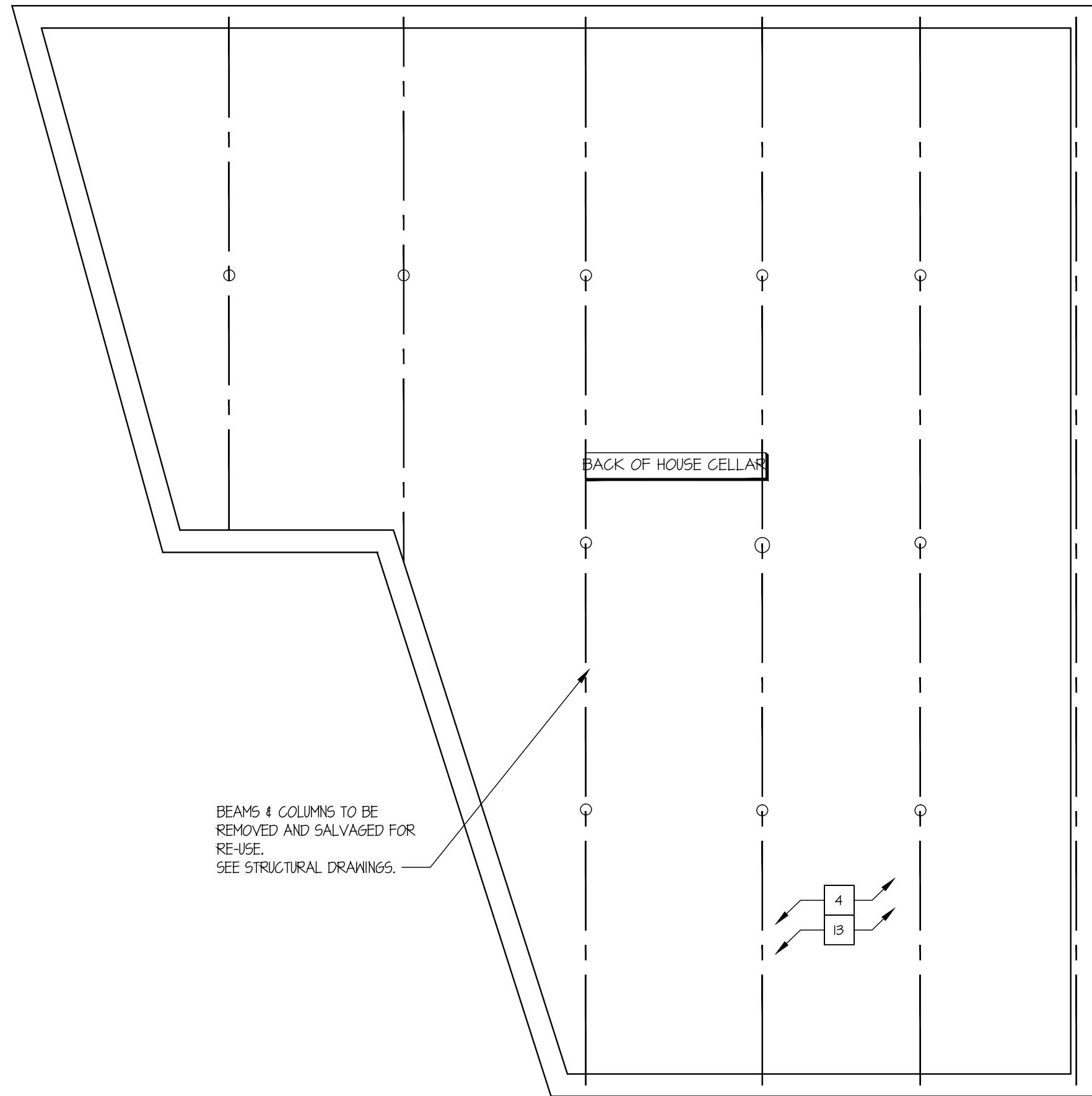
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PROJECT: <div>LIBERTY</div> <div>304 SOMERVILLE AVENUE SOMERVILLE, MA. 02143</div>			
CONSULTANTS: <div>AD+ASSOCIATES</div> <div>INTERNATIONAL DESIGN CONSULTANTS</div> <div>930 CARLETON STREET BERKELEY, CA 94710</div>			
CLIENT: <div>CDG</div> <div>The Chesapeake Design Group Architects, Incorporated</div> <div>419 North Charles Street Baltimore, Maryland 21201 t: 410.837.3622 f: 410.837.3621</div>			
DRAWING NAME: <div>LIBERTY</div> <div>304 SOMERVILLE AVE SOMERVILLE, MA. 02143</div>			
DRAWING: NAME: <div>SITE PLAN</div>			
DRAWN BY: JDM		CHECKED BY: RCG	DATE: 09/01/17
SCALE: AS NOTED		PROJECT # 17WE04	
PAGE # SP-100			

09/20/21
304 SOMERVILLE AVE, MA 02143
R1
104100



1 DEMOLITION PLAN

SCALE: 3/16" = 1'-0"



2 CELLAR DEMOLITION PLAN

SCALE: 3/16" = 1'-0"

- 1) THESE DRAWINGS WERE PREPARED BASED ON INFORMATION ATTAINED FROM A SITE SURVEY - CONTRACTOR TO VERIFY ALL EXIST. CONDITIONS IN FIELD PRIOR TO DEMOLITION & NOTIFY THIS OFFICE IN CASE OF DISCREPANCIES ASAP. DEMOLITION IS TO BE EXECUTED SO AS NOT TO DISTURB EXIST. STRUCTURAL & ROOFING SYSTEMS, AND OTHER AREAS THAT ARE INTENDED TO REMAIN INTACT. VERIFY ALL CONSTRUCTION TO BE REMOVED THAT IS NOT INTEGRAL TO STRUCTURAL SYSTEM PRIOR TO DEMOLITION.
- 2) ALL DIMENSIONS SHOWN AS EXIST. SHOULD BE FIELD VERIFIED BY CONTRACTOR PRIOR TO DEMOLITION. VERIFY ALL DEMOLITION WORK W/ NEW CONSTRUCTION & INSTALLATION DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
- 3) DEMOLITION CONTRACTOR TO COORDINATE & REVIEW ALL CONSTRUCTION DOCUMENTS & DETERMINE THE EXTENT OF DEMOLITION WORK & BECOME FAMILIAR WITH THEM THOROUGHLY BEFORE PERFORMING ANY DEMOLITION WORK. BY THE ACT OF STARTING DEMOLITION, THE CONTRACTOR WILL BE DEEMED TO HAVE COMPLIED WITH THE FOREGOING, TO HAVE ACCEPTED SUCH CONDITIONS, AND TO HAVE MADE THE NECESSARY ALLOWANCES IN PREPARING HIS BID.
- 4) ELECTRICAL DEMOLITION NOTE: REFER TO ELECTRICAL DRAWINGS FOR DETAILED ELECTRICAL DEMOLITION NOTES.
- 5) VERIFY DISPOSITION OF ALL FURNISHINGS, MILLWORK, LIGHTING FIXTURES, ETC. TO BE REMOVED. ALL ITEMS TO BE DISPOSED SHALL BE DISPOSED OF OFF-SITE AND IN AN EXPEDITIOUS MANNER.
- 6) ROOFING CONTRACTOR TO FIELD INSPECT EXISTING ROOF FOR WEATHER-TIGHTNESS & PROPER DRAINAGE PRIOR TO BID. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING ROOF CONDITION AND FOR INCLUDING ANY NECESSARY REPAIR COSTS IN BID.
- 7) SAWCUT & REMOVE EXISTING SLABS AS REQUIRED FOR UNDERGROUND ELECTRICAL & PLUMBING LINES; REFER TO PLUMBING & ELECTRICAL DRAWINGS FOR ALL SAWCUTS & TRENCHING WORK REQUIRED. ALL CONCRETE FLOOR WORK TO BE FINISHED FLUSH WITH EXISTING FLOOR. DOVEL NEW SLABS TO EXISTING W/ #4 REBAR 24" O.C. EACH SIDE (STAGGERED). REBAR TO EXTEND 6" INTO EXISTING SLAB & ACROSS CUT OPENING. SECURE REBAR INTO EXISTING SLAB WITH EPOXY GROUT. REPLACE OR REPAIR ANY VAPOR BARRIERS DISTURBED DURING EXCAVATIONS.
- 8) CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AS REQUIRED TO MAINTAIN STRUCTURAL STABILITY OF THE EXISTING STRUCTURE DURING ALL PHASES OF CONSTRUCTION.
- 9) PROTECT FROM DAMAGE DURING CONSTRUCTION ALL EXISTING WALLS, FLOORS, CEILINGS ETC. THAT ARE TO REMAIN. CONTRACTOR TO PATCH & REPAIR ANY DAMAGED PORTIONS OF THE EXISTING BUILDING AS REQUIRED TO MATCH THE EXISTING ADJACENT CONSTRUCTION & FINISHES.
- 10) THIS PLAN INDICATES A GENERAL SCOPE OF WORK TO BE PERFORMED AND DOES NOT RELIEVE THE CONTRACTOR FROM OTHER INCIDENTAL DEMOLITION WORK REQUIRED TO COMPLETE THE BUILDING MODIFICATIONS AS SHOWN AND REQUIRED BY THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO PLUMBING, ELECTRICAL & HVAC WORK.
- 11) IF CONTRACTOR ENCOUNTERS ANY HAZARDOUS MATERIALS DURING DEMOLITION OR CONSTRUCTION, HE SHALL IMMEDIATELY SUSPEND WORK & NOTIFY THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING.
- 12) ALL DEMOLITION SHALL BE CARRIED OUT IN A SAFE MANNER AND IN STRICT ACCORDANCE WITH OSHA REGULATIONS.
- 13) THE SUB-CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION. THE WORK INCLUDES, BUT IS NOT LIMITED TO, THE DEMOLITION AND REMOVAL OF ANY WALLS, COUNTERS, FURNITURE, BULKHEADS, DOORS, PLUMBING, MECHANICAL AND ELECTRICAL ITEMS INCLUDING CONDUITS AND DUCTWORK AS SHOWN ON DRAWING OR AS REQUIRED TO COMPLETE THE INSTALLATION OF THE NEW WORK FOR A COMPLETE JOB.
- 14) REMOVE ANY SINKS, WATER CLOSETS, URINALS, LAVATORIES, FLOOR DRAINS, NOTED ON DRAWINGS AS WELL AS ALL ASSOCIATED PLUMBING ACCESSORIES. CAP, PLUG ALL ABANDONED SUPPLY AND WASTE LINES BELOW FLOOR SLAB. PATCH AND SEAL ALL FLOOR PENETRATIONS. SEE MECHANICAL AND PLUMBING DRAWINGS FOR DETAILED DEMOLITION NOTES.
- 15) WHEN UTILITIES ARE REMOVED, CAP AND SEAL A MINIMUM OF 8" BELOW FINISH FLOOR OR A MINIMUM OF 6" ABOVE FINISH CEILING.

3 DEMOLITION NOTES

SCALE: N.T.S.

- EXISTING WALLS TO REMAIN
- WALLS TO BE REMOVED

4 WALL LEGEND

SCALE: N.T.S.

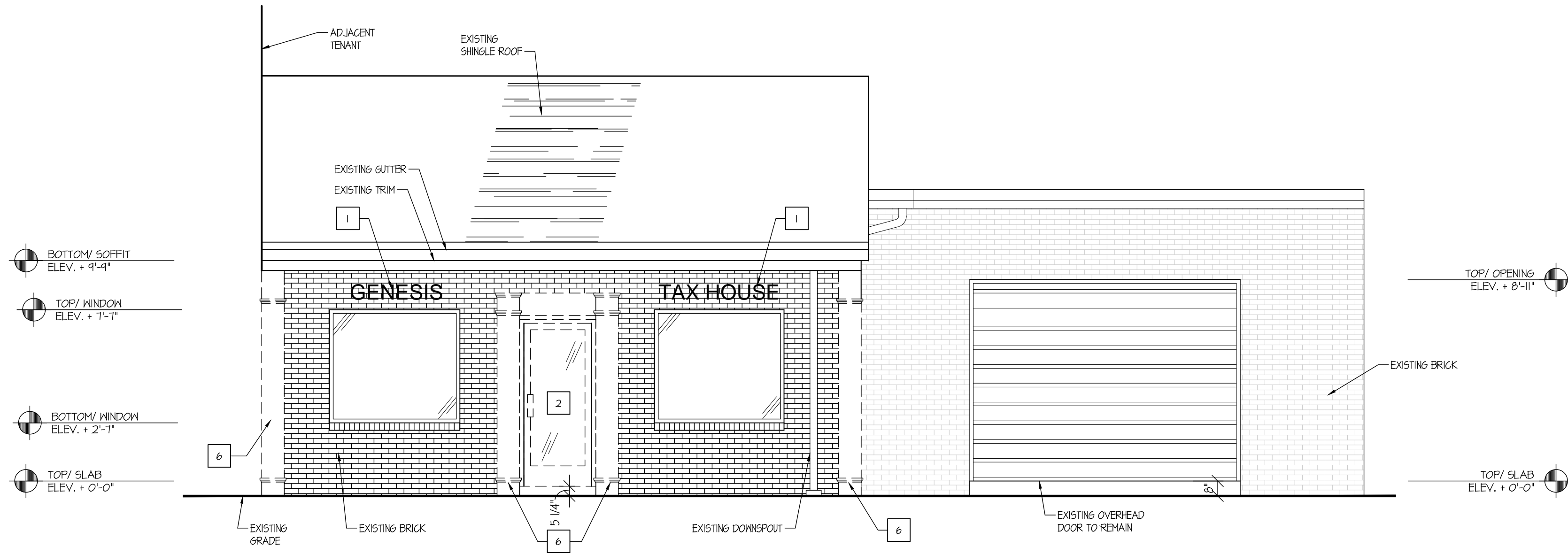
- 1 G.G. TO REMOVE WALL AND ALL ASSOCIATE ELECTRICAL, MECHANICAL, & PLUMBING BACK TO ADJACENT WALL.
- 2 G.G. TO REMOVE DOOR
- 3 G.G. TO REMOVE WINDOW & PREPARE AREA FOR INFILL.
- 4 G.G. TO REMOVE EXISTING SUPPORT COLUMNS AFTER FLOORING DEMO.
- 5 G.G. TO REMOVE OVERHEAD DOOR.
- 6 G.G. TO REMOVE ALL LAYERS OF EXISTING FLOORING. PATCH / REPAIR AREA AS REQUIRED.
- 7 G.G. TO REMOVE DECOR ITEMS & WALL FINISHES AS REQUIRED. IF DETERIORATED SUBSTRATE OR STUD WORK IS IDENTIFIED, REMOVE SUBSTRATE OR STUD WORK & REPLACE AS SHOWN ON DETAIL 6/AI-00.
- 8 G.G. TO REMOVE ALL LAYERS OF EXISTING CEILING GRID, TILES AND LIGHTING. PREPARE AREA TO ALLOW FOR NEW CEILING FIXTURE LAYOUT.
- 9 G.G. TO REMOVE EXISTING CEILING SOFFIT, DECOR ITEMS, ETC. & PREPARE AREA TO ALLOW FOR NEW CEILING FIXTURE LAYOUT.
- 10 G.G. TO REMOVE PLUMBING FIXTURE & PATCH / REPAIR AREA AS REQUIRED.
- 11 G.G. TO REMOVE WATER HEATER AND RELOCATE. SEE MEP PLANS FOR DETAILS.
- 12 G.G. TO REMOVE ELECTRICAL PANELS AND RELOCATE. SEE MEP PLANS FOR DETAILS.
- 13 G.G. TO REMOVE WOOD PLANKS AND FLOORING BEAMS. KEEP BEAMS TO RE-USE.
- 14 G.G. TO DEMO WALL AND RELOCATE GAS METER TO EXTERIOR OF BUILDING.

5 DEMOLITION PLAN KEYED NOTES

SCALE: N.T.S.

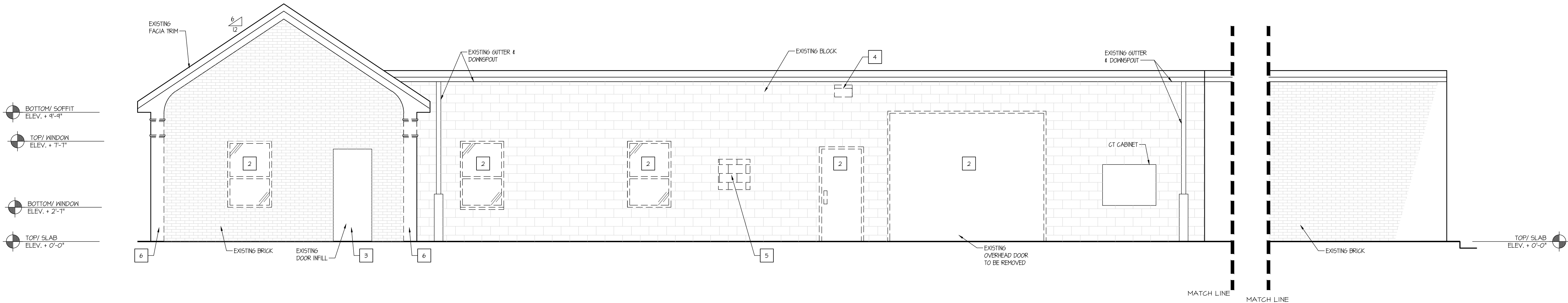
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304 Somerville MA ELEV.dwg
4/22/2017
JEN
DWM



1 DEMOLITION - FRONT ELEVATION

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



2 DEMOLITION - NON DRIVE THRU SIDE ELEVATION

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

- 1 REMOVE EXISTING BUILDING SIGNAGE INCLUDING WINDOW DECAL SIGNS AS WELL AS WALL MOUNTED SIGNS INCLUDING SIGN SUPPORT STRUCTURE, TYP.
- 2 REMOVE EXISTING WINDOW, DOOR, ETC., AS SHOWN.
- 3 REMOVE EXISTING INFILL AND REPLACE WITH NEW BRICK TO MATCH EXISTING BUILDING.
- 4 REMOVE EXISTING EXTERIOR WALL LIGHTING.
- 5 REMOVE PORTION OF EXTERIOR WALL AS SHOWN FOR GAS METER RELOCATION.
- 6 REMOVE EXISTING TRIM.

3 DEMOLITION KEY NOTES

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

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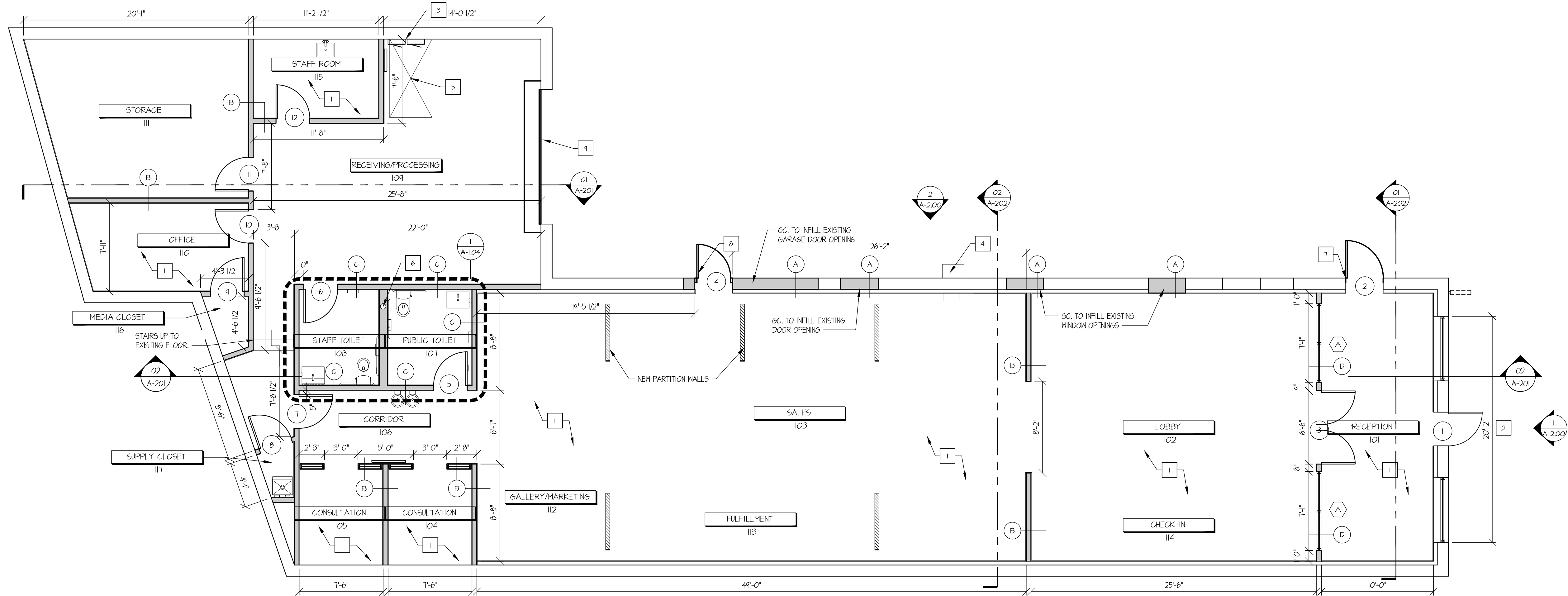
PROJECT:
LIBERTY

CONSULTANTS:
AD+ASSOCIATES | 930 CARLETON STREET
INTERNATIONAL DESIGN CONSULTANTS | BERKELEY, CA 94710

CLIENT:
LIBERTY
304 SOMERVILLE AVE
SOMERVILLE, MA. 02143

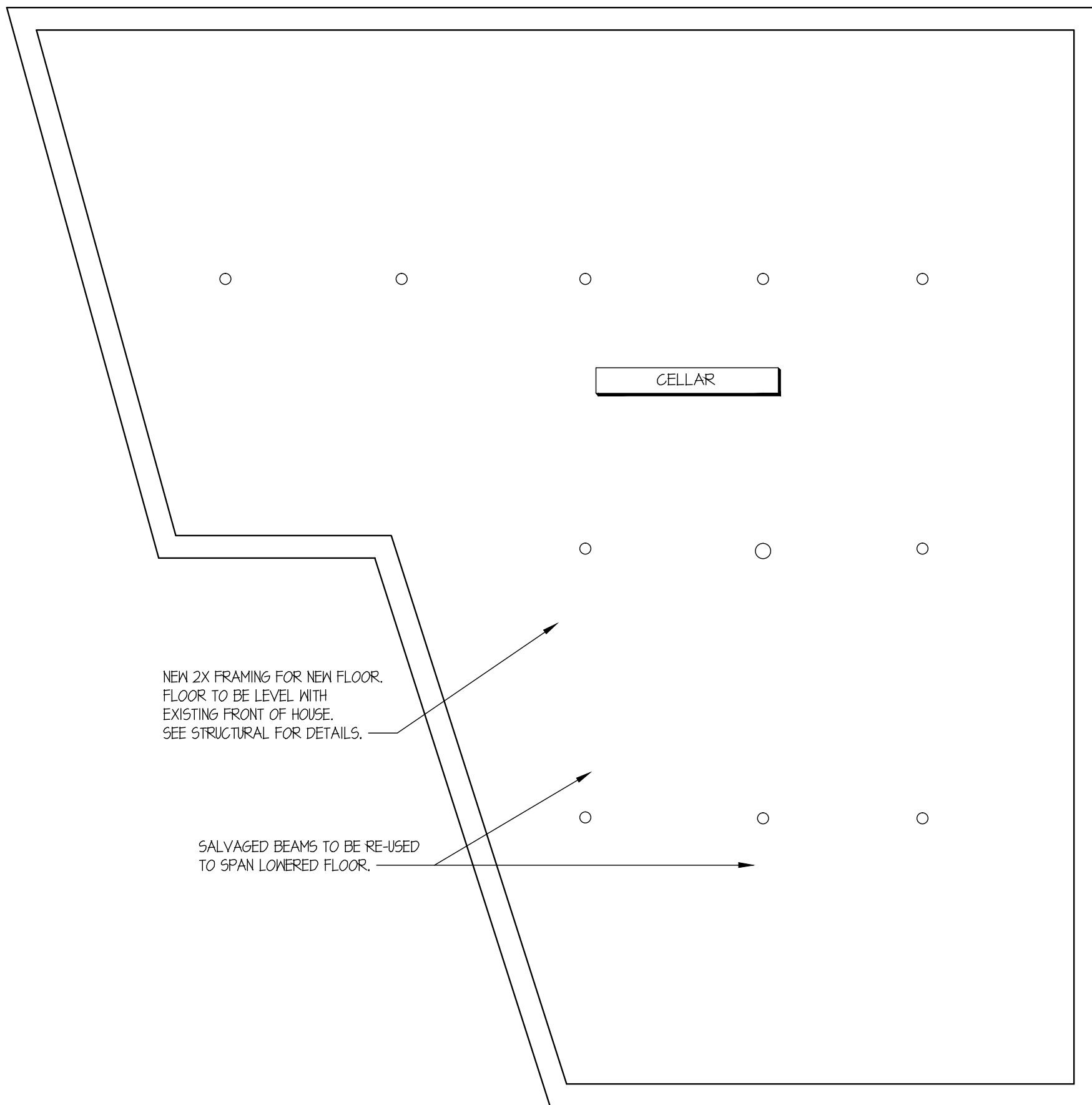
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DEMOLITION ELEVATIONS

DRAWN BY: JDM	CHECKED BY: RCG	DATE: 09/01/17
SCALE: AS NOTED	PROJECT # 17WE04	
PAGE # DM-101		



1 ALTERATION PLAN

SCALE: 3/16" = 1'-0"



2 CELLAR ALTERATION PLAN

SCALE: 3/16" = 1'-0"

- EXISTING WALL TO REMAIN
- NEW FULL HEIGHT STUD WALLS
- NEW PARTIAL HEIGHT WALLS

3 WALL TYPES

SCALE: N.T.S.

- X = DOOR TAG, SEE SCHEDULE (SHEET A103-00)
- X = KEY NOTE
- A = WINDOW TYPE, SEE SHEETS A-200 & A-201

4 SYMBOL LEGEND

SCALE: N.T.S.

- REFER TO FIXTURE PLAN FOR FURNITURE ETC.
- NEW STOREFRONT AND ENTRY DOOR. SEE ELEVATIONS FOR DETAILS.
- NEW LOCATION OF ELECTRICAL PANELS.
- GAS METER RELOCATION.
- NEW ACCESS TO CELLAR.
- EXISTING COLUMN.
- NEW ACCESSIBLE DOOR.
- NEW EMERGENCY EXIT ONLY DOOR.
- EXISTING DELIVERY DOOR TO REMAIN.

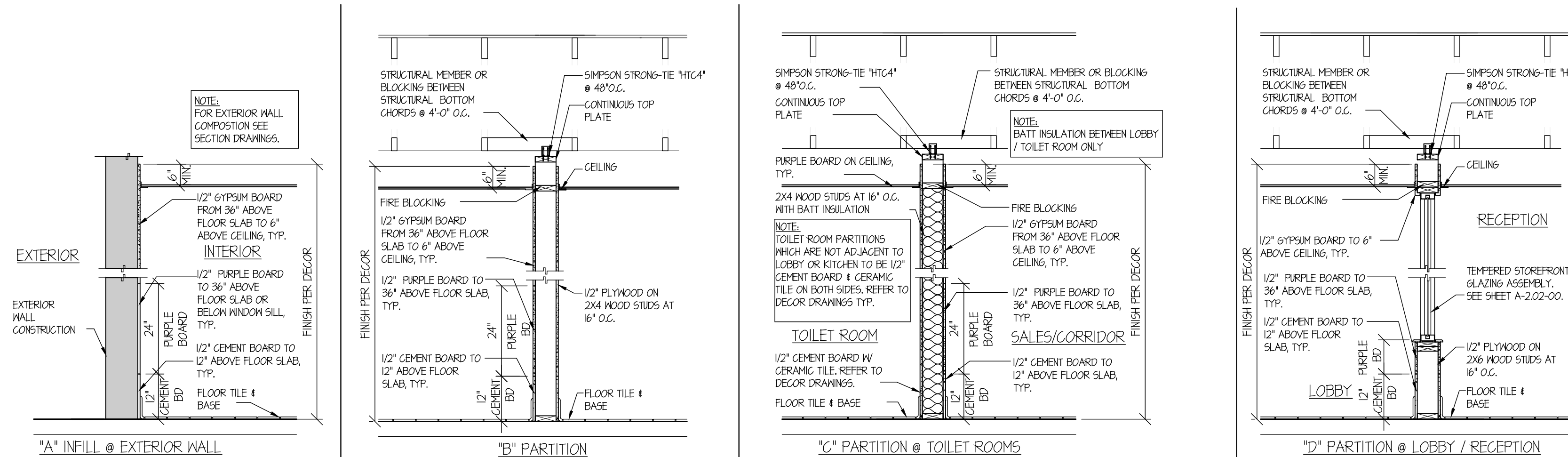
3 KEYED NOTES

SCALE: N.T.S.

- EXTERIOR DIMENSIONS ARE TO COLUMN REFERENCE LINES AND EXTERIOR FACE OF FINISH UNLESS OTHERWISE NOTED. INTERIOR DIMENSIONS ARE TO FACE OF FINISH.
- ALL EXIT DOORS SHALL BE KEYLESS IN THE DIRECTION OF EGRESS.
- THE OPENING FORCE OF ALL EXT. PUSH/PULL DOORS SHALL NOT EXCEED 5 LBS.
- THE OPENING FORCE OF ALL INTERIOR PUSH/PULL DOORS SHALL NOT EXCEED 5 LBS.
- PROVIDE PANIC HARDWARE FOR ALL EXTERIOR DOORS AS NOTED ON THE DOOR SCHEDULE.
- ALL DOOR HARDWARE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE.
- SEE SHEET A-202-00 AND DETAIL SHEET FOR EXTERIOR WALL ASSEMBLY TYPES.

5 GENERAL NOTES

SCALE: N.T.S.



6 TYPICAL INTERIOR PARTITIONS

SCALE: N.T.S.

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304 SOMERVILLE AVENUE
SOMERVILLE, MA. 02143

LIBERTY

PROJECT:
CONSULTANTS:

AD+ASSOCIATES | 930 CARLETON STREET
INTERNATIONAL DESIGN CONSULTANTS | BERKELEY, CA 94710

CDG
The Chesapeake Design Group
Architects, Incorporated

419 North Charles Street
Baltimore, Maryland 21201
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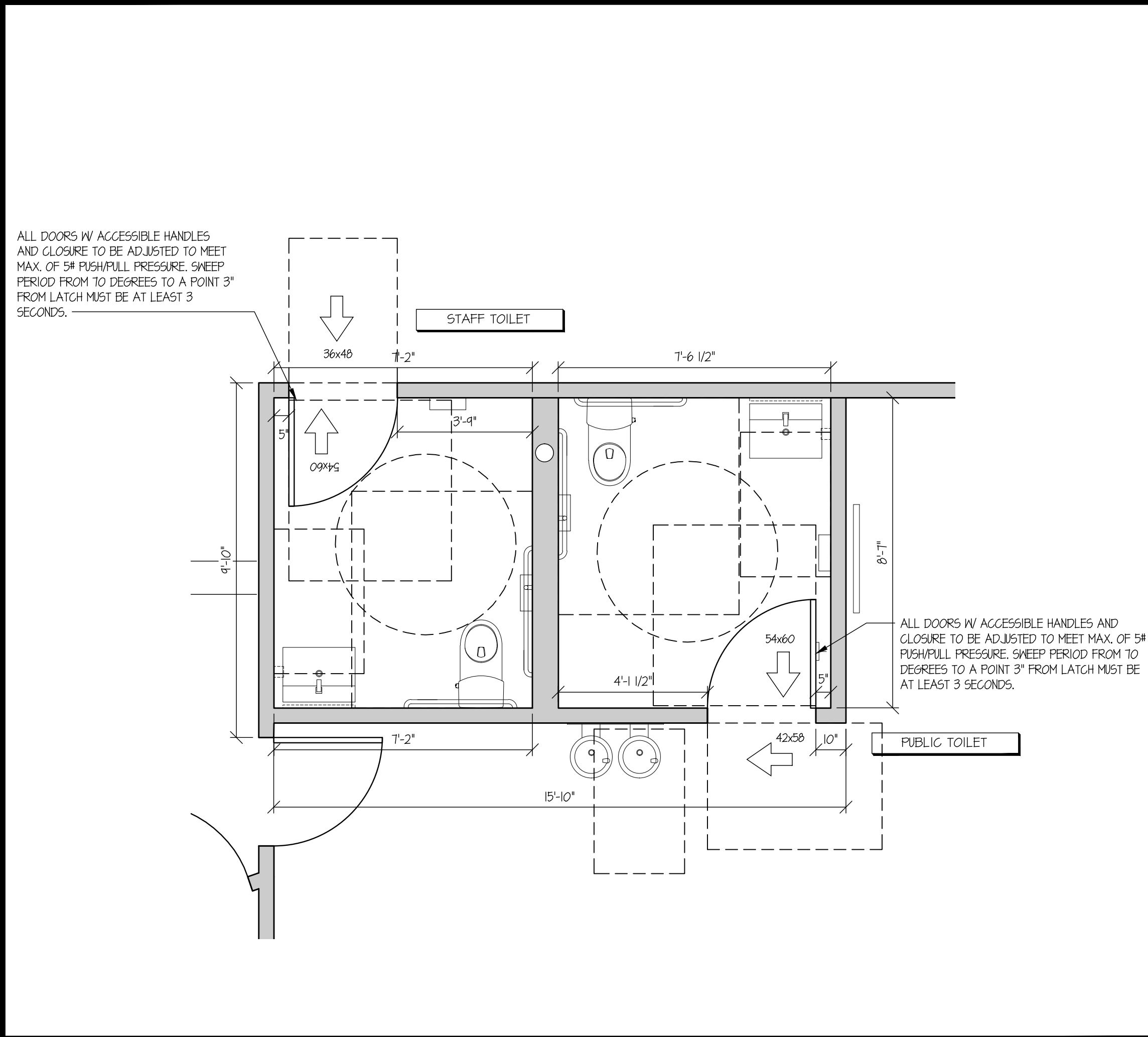
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DRAWING NAME:
FLOOR PLAN

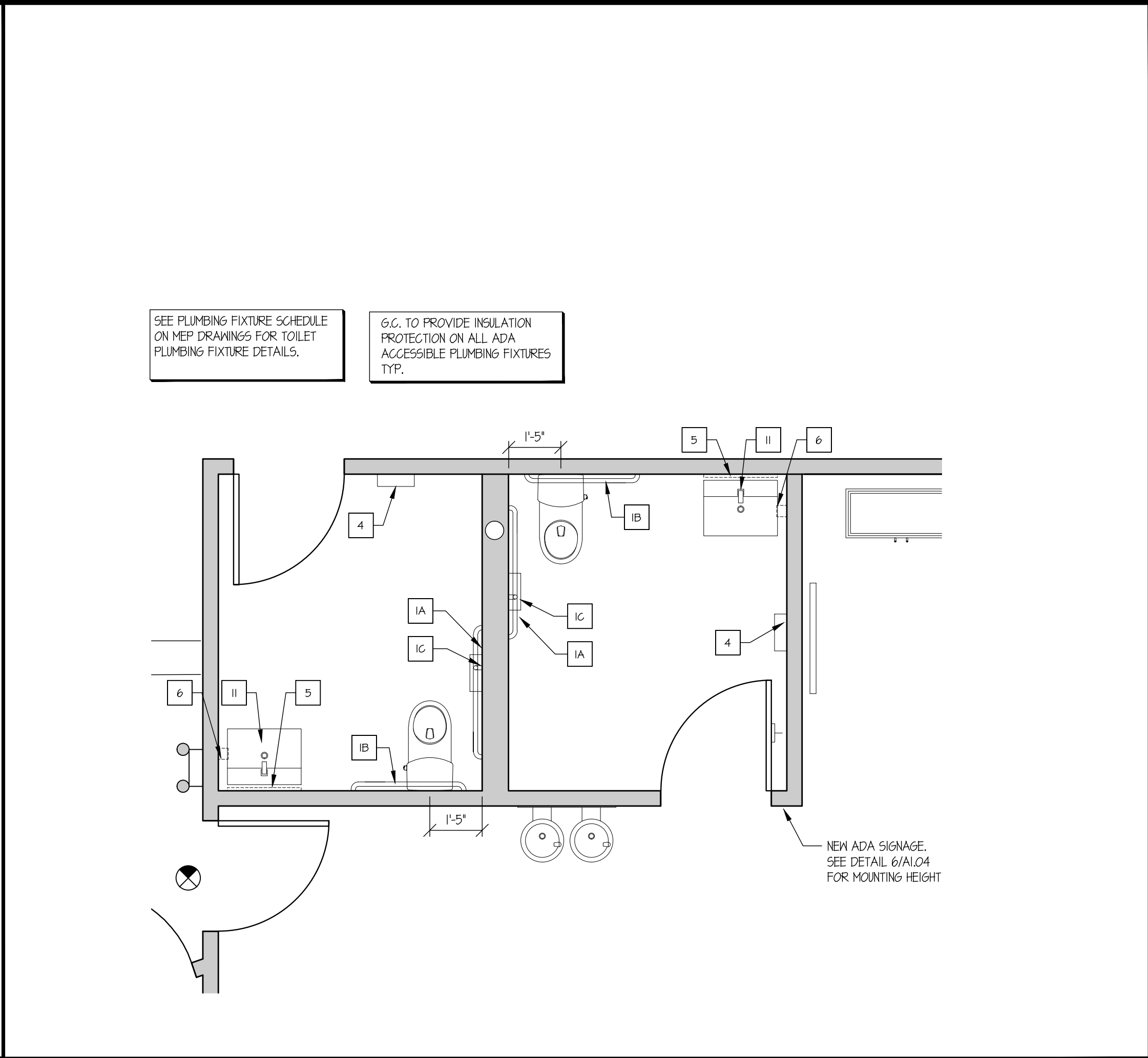
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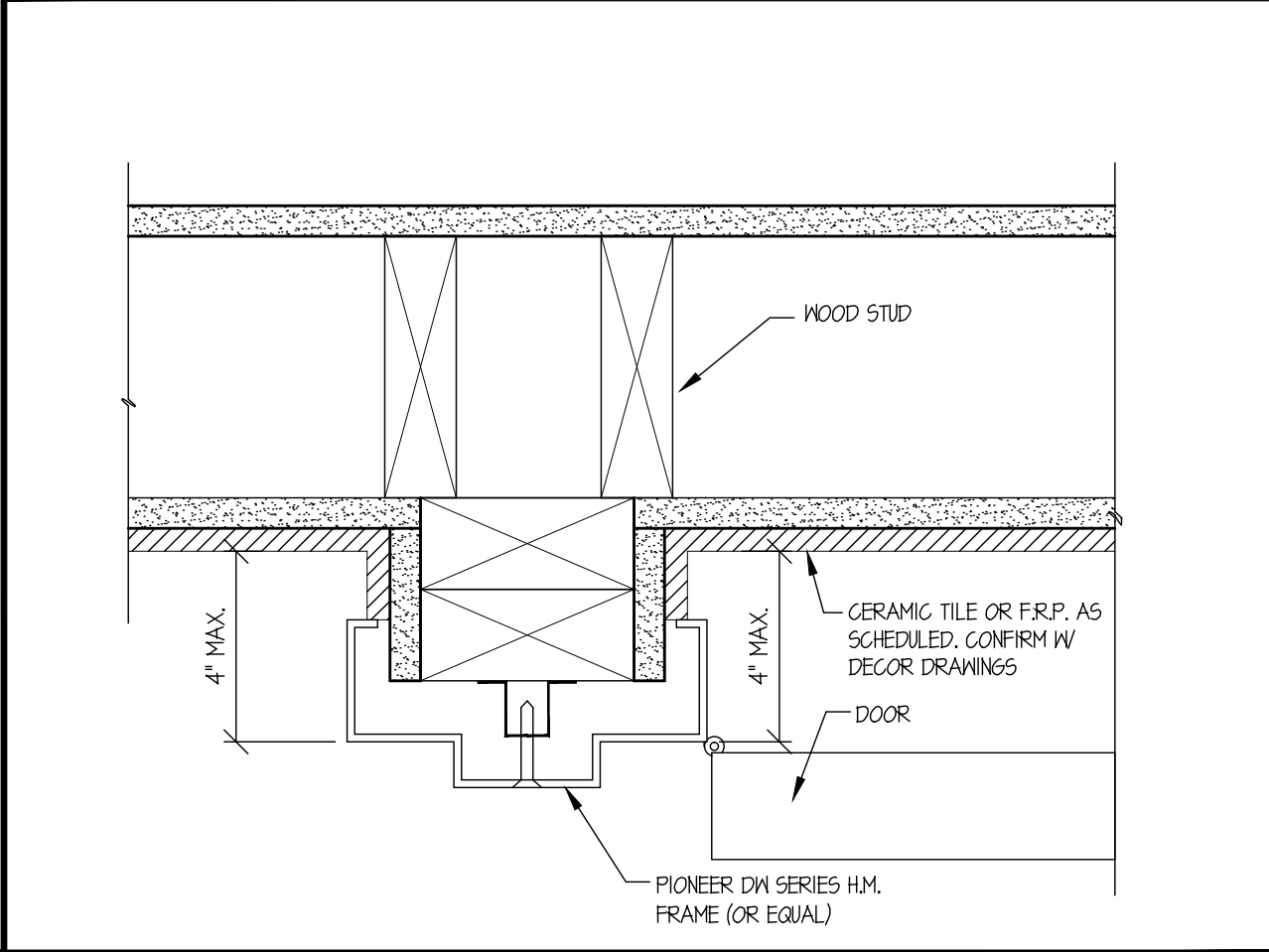
1 NEW TOILET ROOM PLAN
SCALE: 3/8" = 1'-0"



2 NEW TOILET ROOM FIXTURE PLAN
SCALE: 3/8" = 1'-0"

- 1) SEE TYP. ELEVATION FOR ACCESSORY MOUNTING HEIGHTS (THIS SHEET)
2) FOR DOOR SPECIFICATIONS SEE DOOR SCHEDULE (SHEET A-103)
3) ALL DOORS W/ ACCESSIBLE HANDLES AND CLOSURE TO BE ADJUSTED TO MEET MAX. OF 5# PUSH/PULL PRESSURE. SWEEP PERIOD FROM 10 DEGREES TO A POINT 3" FROM LATCH MUST BE AT LEAST 3 SECONDS.
4) INTERIOR DIMENSIONS ARE TO FACE OF FINISH.
5) SEE INTERIOR DRAWINGS FOR ALL FINISHES.

4 GENERAL NOTES
SCALE: N.T.S.

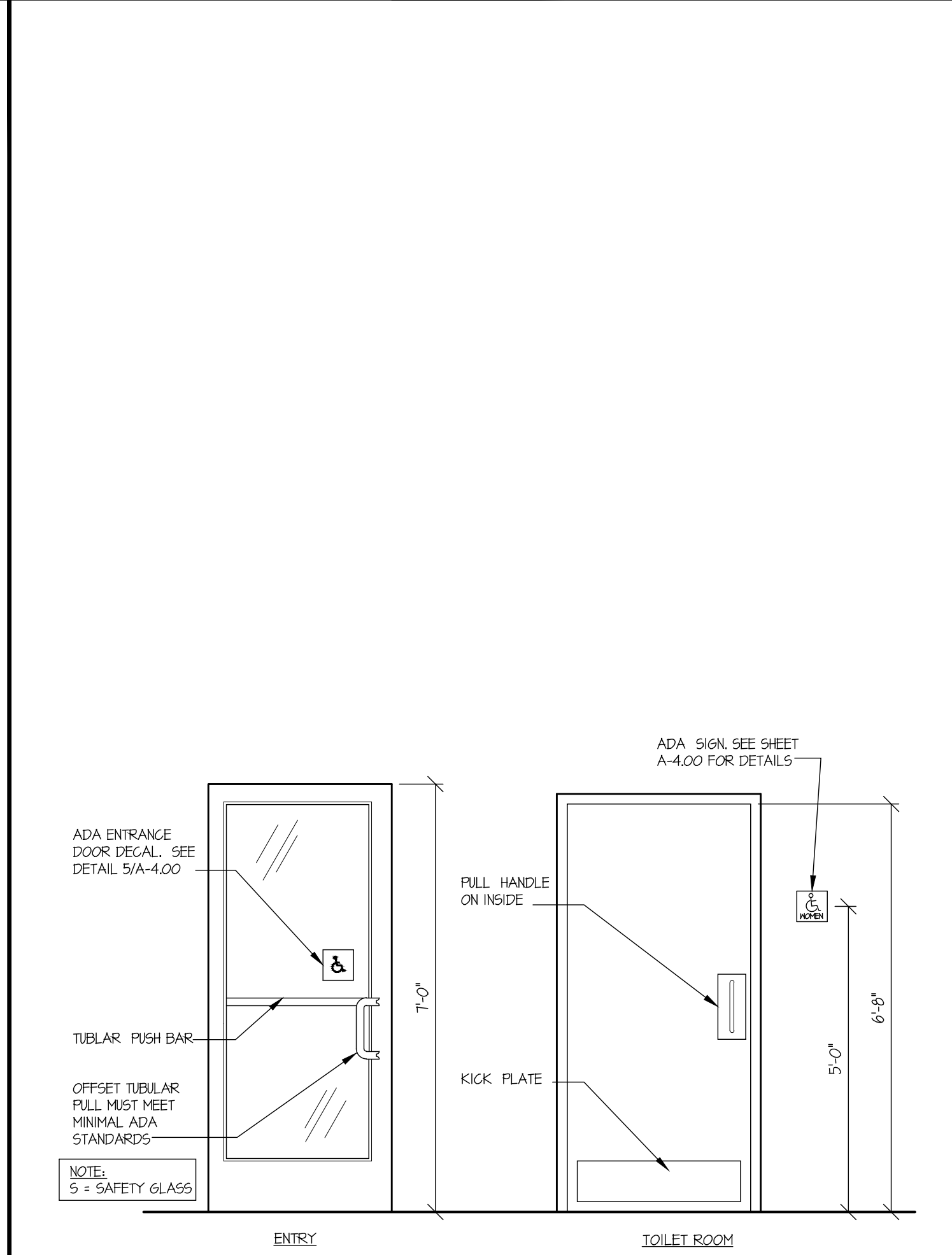


3 TOILET STALL DOOR JAMB
SCALE: 3/8" = 1'-0"

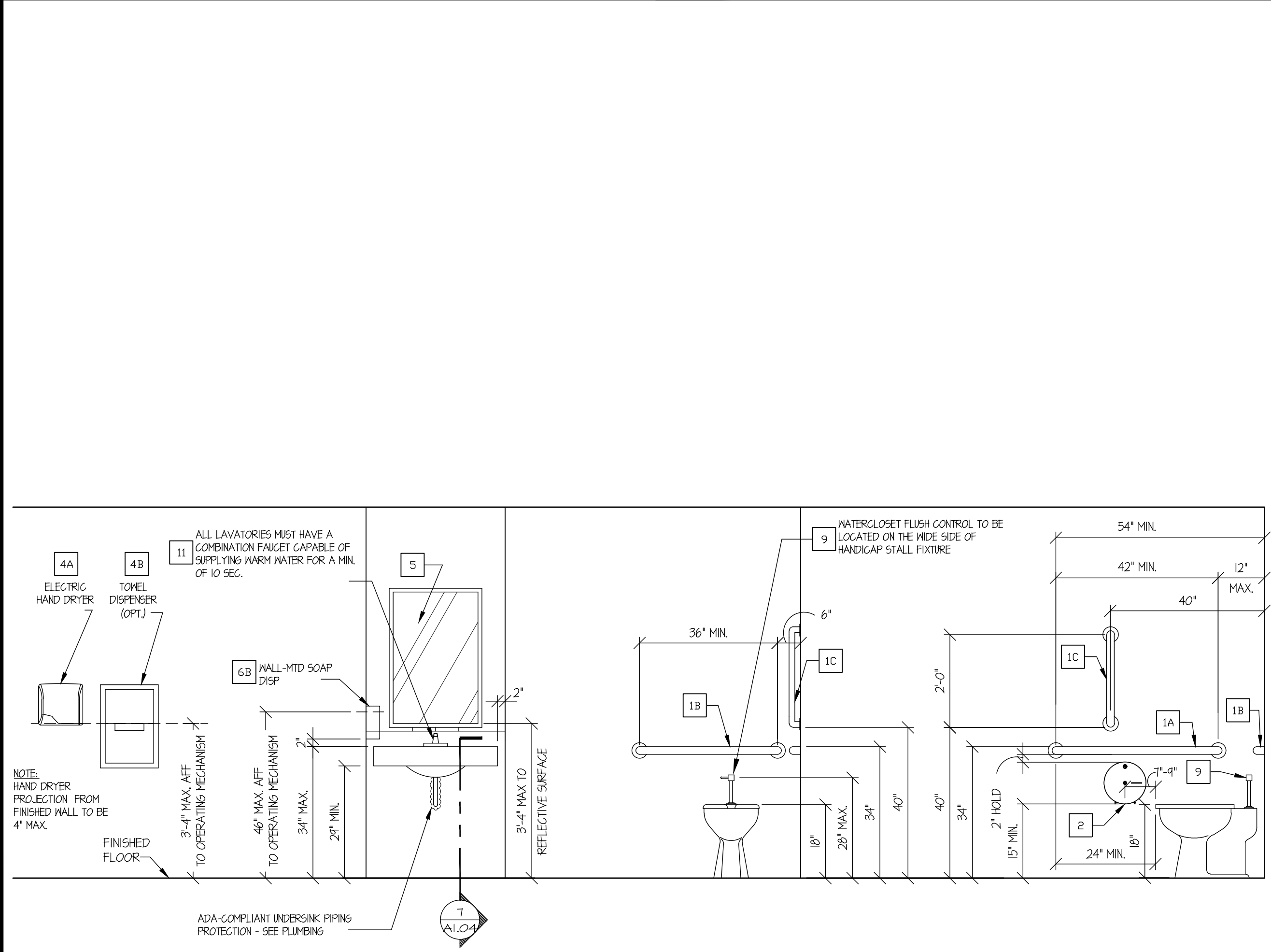
	ITEM (SEE NOTE 2)	MANUFACTURE & MODEL	SUPPLIER	BACKUP SUPPORT (SEE NOTE 2)	COMMENTS
1A	GRAB BAR 42"	BRADLEY 812-001-42	HOME DEPOT	(1) 2x6'S 4'-0" LONG CENTER MOUNTED	
1B	GRAB BAR 36"	812-001-36			
1C	GRAB BAR 24"	812-001-24		FRAME WALL MOUNTED PER MANUFACTURER'S RECOMMENDATIONS	
2	TOILET TISSUE DISPENSER, RECESSED	FRANKLIN BRASS 65TB	HOME DEPOT	FRAME WALL MOUNTED PER MANUFACTURER'S RECOMMENDATIONS	
3	NOT USED				
4	PAPER TOWEL DISPENSER WALL-MOUNTED	SAN JAMAR BLACK PEARL	HOME DEPOT	WALL MOUNTED PER MANUFACTURER'S RECOMMENDATIONS	
5	MIRROR	GROYDEX KENTMERE 18"x36"	HOME DEPOT	WALL MOUNTED PER MANUFACTURER'S RECOMMENDATIONS	
6B	SOAP DISPENSER, WALL-MOUNTED	BETTER LIVING; UNO 16134-1	HOME DEPOT		
8	COAT HOOK, WALL MOUNTED, ADA COMPLIANT				
9	TOILET FLOOR MOUNTED	KOHLER ELMERBROOK	HOME DEPOT		
11	LAVATORY & FAUCET, WALL-MOUNTED	SCARABEO	HOME DEPOT		

NOTES:
1) SEE 6/A-104 FOR ACCESSORY MOUNTING HEIGHTS
2) CUT BACK-UP SUPPORTS BETWEEN STUDS SO FACE OF SUPPORT IS FLUSH W/ WALL STUD

5 TOILET ROOM ACCESSORY SCHEDULE
SCALE: N.T.S.



6 TYP. SIGNAGE HEIGHT ELEVATION
SCALE: 1/2" = 1'-0"



7 TYP. TOILET ROOM ACCESSORY ELEV.
SCALE: 1/2" = 1'-0"

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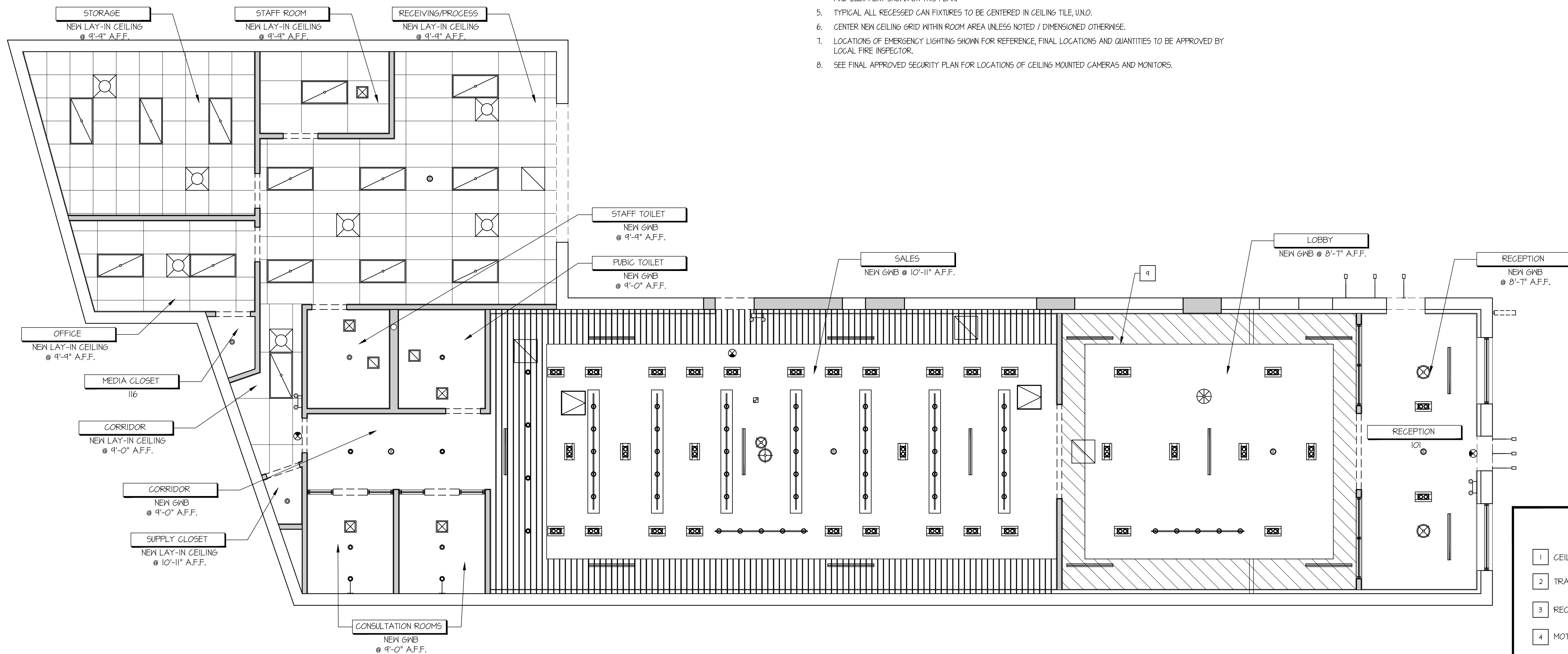
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TOILET ROOMS & ADA DETAILS
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A-102
EN
4/22/2017
Somerville MA PL N043.dwg



GENERAL NOTES

1. HOLD DOWN CLIPS SHALL BE PROVIDED FOR CEILING TILES IN THE VESTIBULES.
2. SEE INTERIOR FINISH SPECIFICATIONS FOR CEILING TILE.
3. DO NOT SCREW THE CEILING GRID TO THE STAINLESS STEEL HOODS, USE DOUBLE-FACED TAPE.
4. REFER TO ELECTRICAL AND/OR HVAC DRAWINGS FOR ADDITIONAL INFORMATION REGARDING ALL FIXTURES, DEVICES AND EQUIPMENT SHOWN ON THIS PLAN.
5. TYPICAL ALL RECESSED CAN FIXTURES TO BE CENTERED IN CEILING TILE, UNO.
6. CENTER NEW CEILING GRID WITHIN ROOM AREA UNLESS NOTED / DIMENSIONED OTHERWISE.
7. LOCATIONS OF EMERGENCY LIGHTING SHOWN FOR REFERENCE, FINAL LOCATIONS AND QUANTITIES TO BE APPROVED BY LOCAL FIRE INSPECTOR.
8. SEE FINAL APPROVED SECURITY PLAN FOR LOCATIONS OF CEILING MOUNTED CAMERAS AND MONITORS.

- 1 CEILING MOUNTED DUPLEX OUTLETS IN LINE WITH ADJACENT LIGHT FIXTURES
- 2 TRAFFIC COUNTER, SEE POWER PLAN.
- 3 RECESSED CEILING MOUNTED SPEAKERS, SEE POWER PLAN.
- 4 MOTION SENSOR, SEE POWER PLAN.
- 5 4" DIA. HOLES IN SOFFIT ABOVE BI FIXTURE FOR VENTILATION.
- 6 ALARM DOOR CONTACT.
- 7 RECESSED CURTAIN TRACK.
- 8 NEW EMERGENCY EXIT ONLY DOOR.
- 9 SOFFIT LINE BETWEEN LOWER AND HIGHER CEILINGS.

1

REFLECTED CEILING PLAN

SCALE: 3/16" = 1'-0"

2

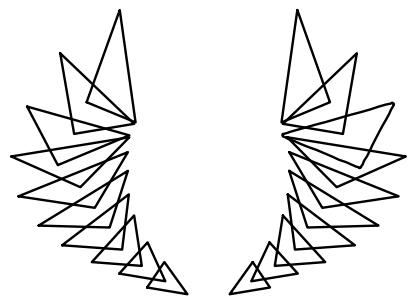
KEYED NOTES

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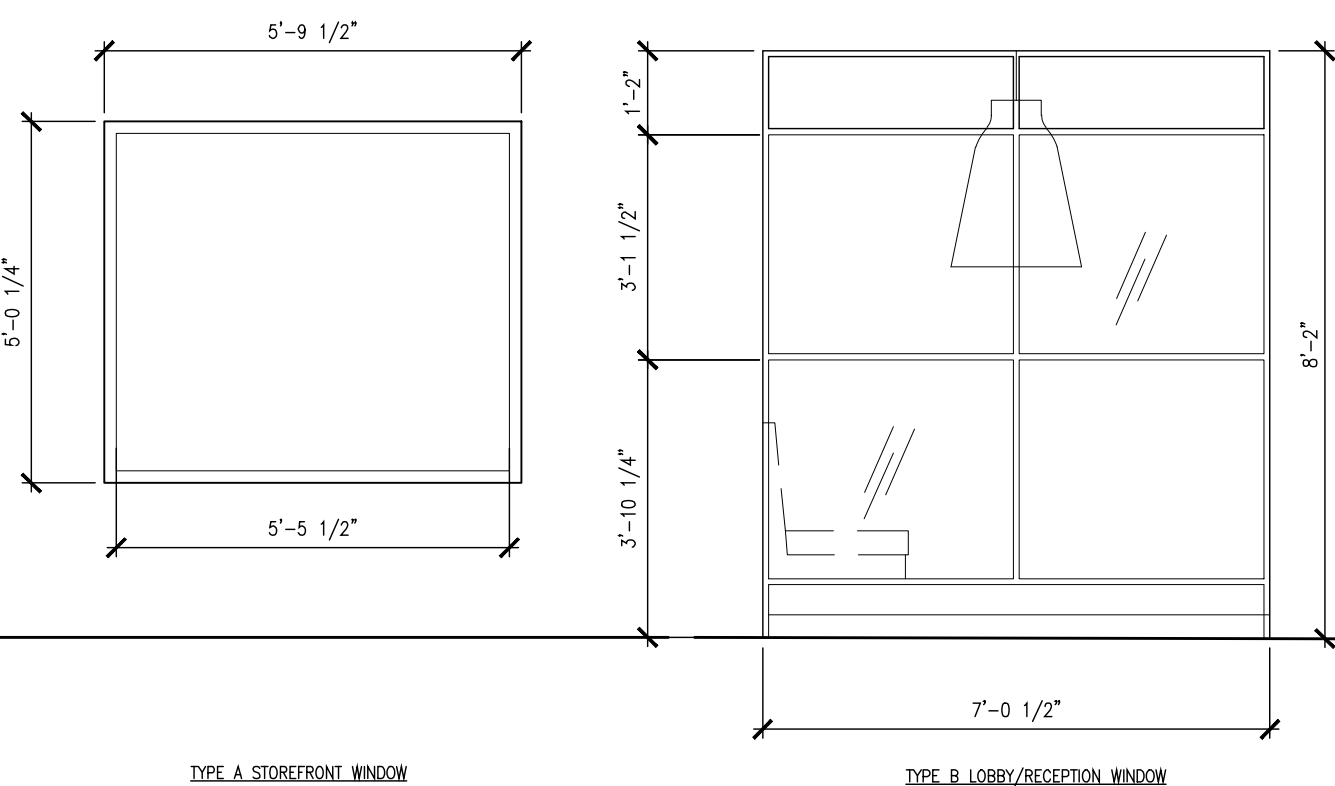
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PAGE #

A-102

MAGNETIC LOCK: DELAYED EGRESS LOCK SET WITH MAXIMUM 15 SECOND DELAY. WIRE BACK TO FIRE ALARM PANEL OR TAMPER SWITCH ON THE RISER CONTROL PANEL. FOLLOW ALL MANUFACTURER REQUIREMENTS FOR INSTALLATION. THE FACILITY MUST RECEIVE APPROVAL TO INSTALL THE LOCK FROM THE AUTHORITY HAVING JURISDICTION OVER THE BUILDING. MUST FOLLOW ALL THEIR REGULATIONS. ANY CONNECTION TO THE FIRE ALARM CONTROL PANEL MUST BE PERFORMED BY A CERTIFIED FIRE ALARM TECHNICIAN. BEFORE USING THE SYSTEM, CONTACT YOUR LOCAL FIRE AUTHORITIES TO TEST THE FIRE EMERGENCY FUNCTION. TEST BY ACTIVATING THE FIRE ALARM CONTROL PANEL.



- NOTE: ALL KEYED DOORS SHALL USE FALCON INTERCHANGEABLE CORES (TYPE:H-C606)

GENERAL DOOR NOTES:			
1.	GO TO INSTALL ACCESSIBILITY DOOR SIGNAGE (PACKAGE FURNISHED BY OTHERS) AT LOCATIONS AND POSITIONS INDICATED IN PACKAGE OR AS REQUIRED BY LOCAL CODE.		
2.	THE OPENING FORCE OF ALL EXT. PUSH/PULL DOORS SHALL NOT EXCEED 8 1/2 LBS. INTERIOR PUSH/PULL DOORS SHALL NOT EXCEED 5 LBS.		
3.	PROVIDE PANIC HARDWARE FOR ALL EXTERIOR DOORS AS INDICATED ON THE DOOR HARDWARE NOTES.		
4.	ALL EXIT DOORS TO BE KEYLESS IN THE DIRECTION OF EGRESS.		
5.	ALL DOOR HARDWARE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.		
		MATERIAL: SC = SOLID CORE WOOD HM = HOLLOW METAL GL = GLASS AL = ALUMINUM HM = METAL FRAME WD = WOOD STL = STEEL SM = SOLID CORE METAL	FINISH: P = PAINT SG = SEMI GLOSS FF = FACTORY FINISH PS = POLYURETHANE SIM = JAMB SIMILAR TO OFCI = OWNER FURNISH EX = CONTRACTOR IN EXISTING
		NOTE: STAINLESS STEEL FINISH IS BRUSHED.	

4 DOOR SCHEDULE

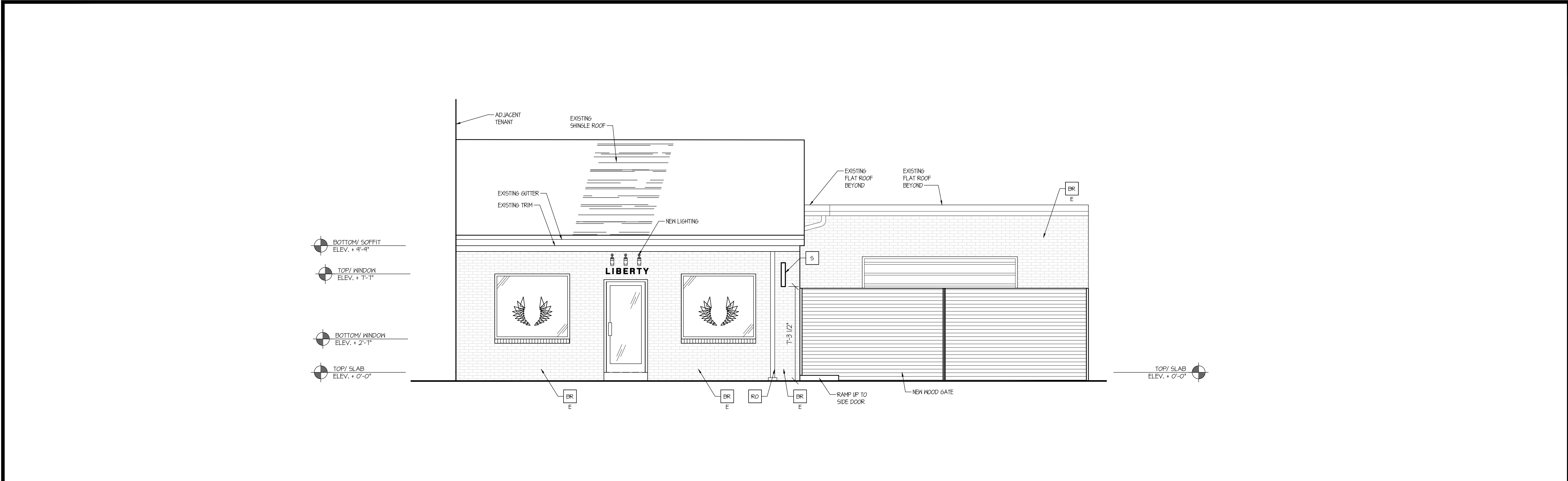
5 DOOR TYPES

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

6 WINDOW SCHEDULE

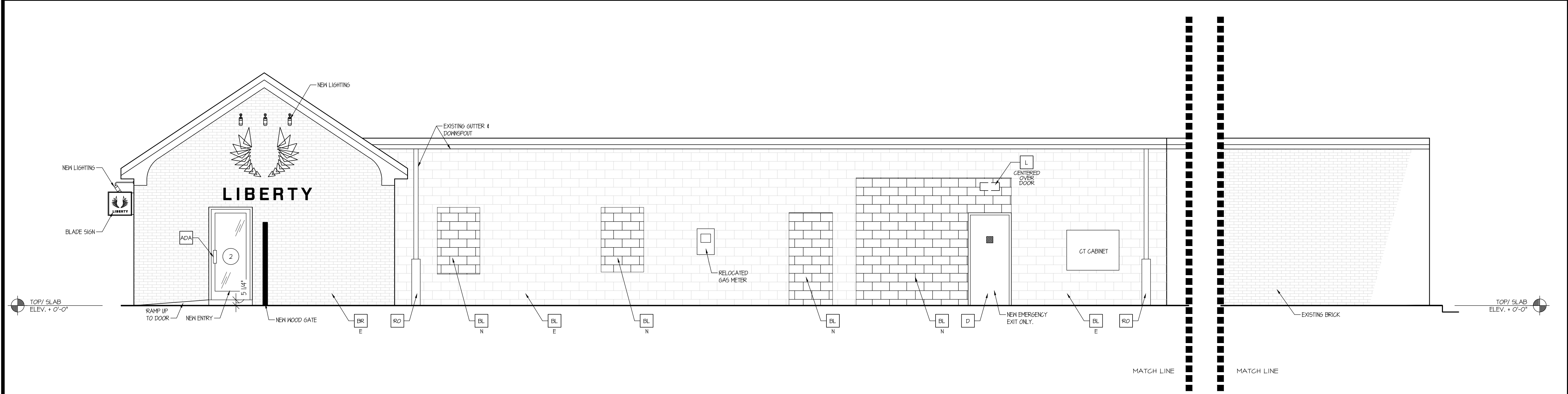
Somerville MA PLAN.dwg	9/8/2017	JEN	A-103
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A-2.00
JDM
4/22/21
Somer ville MA ELEV.dwg



1 STOREFRONT ELEVATION

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



2 RIGHT SIDE ELEVATION

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

- ADA PROVIDE ADA COMPLIANT HARDWARE
- BR EXISTING BRICK TO BE PAINTED, BENJAMIN MOORE RAINFOREST FOLIAGE, #2040-10
- BL EXISTING BLOCK TO BE PAINTED, BENJAMIN MOORE RAINFOREST FOLIAGE, #2040-10
- BL NEW BLOCK INFILL TO BE PAINTED, BENJAMIN MOORE RAINFOREST FOLIAGE, #2040-10
- D NEW HOLLOW METAL DOOR
- S BLADE SIGN
- RO ROOF DRAIN OVERFLOW PIPE PAINT TO MATCH SURROUNDING MATERIAL

3 KEY NOTES

SCALE: #####

#	BY	SUBMISSIONS/REVISIONS	DATE

PROFESSIONAL CERTIFICATION:
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UNDER THE LAWS OF THE STATE OF MA
LICENSE NO.7647
EXPIRATION DATE: 08/31/17

PROJECT:
304 SOMERVILLE AVENUE
SOMERVILLE, MA. 02143

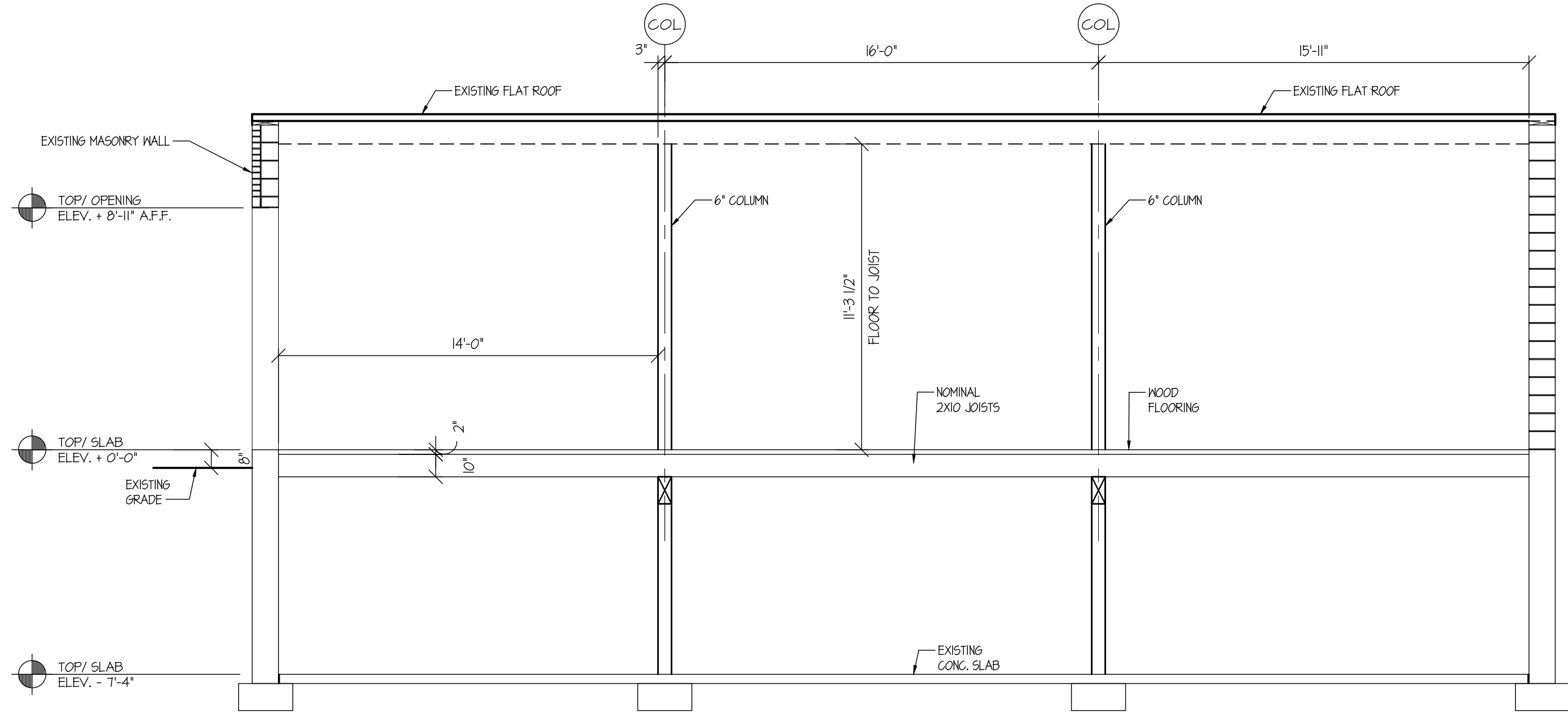
CONSULTANTS:
AD+ASSOCIATES
INTERNATIONAL DESIGN CONSULTANTS

419 North Charles Street
Baltimore, Maryland 21201
t: 410.837.3622
f: 410.837.3621

CLIENT:
LIBERTY
304 SOMERVILLE AVE
SOMERVILLE, MA. 02143

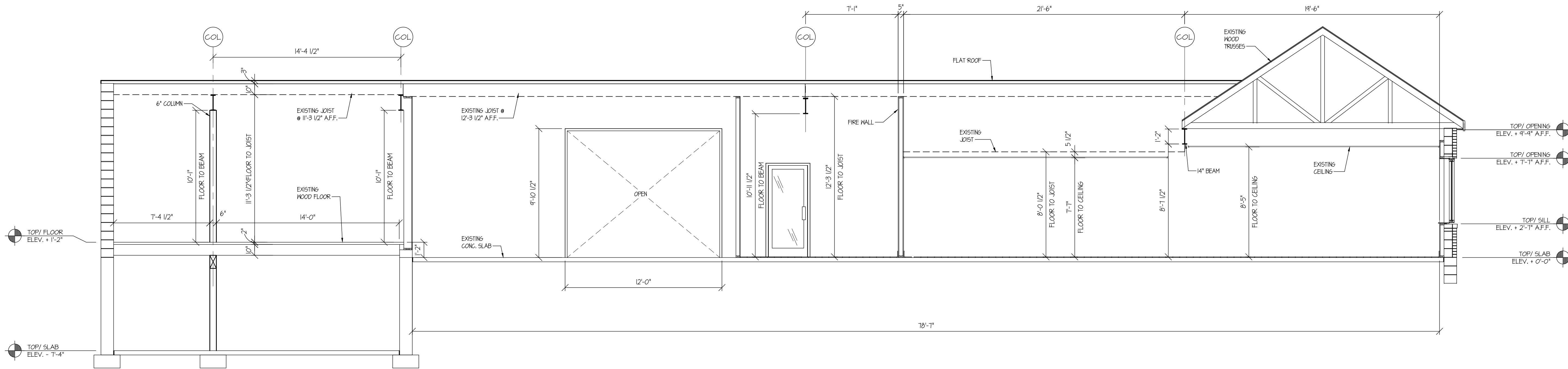
DRAWING NAME:
PROPOSED ELEVATIONS

DRAWN BY: JDM	CHECKED BY: RCG	DATE: 09/01/17
SCALE: AS NOTED	PROJECT # 17WE04	
PAGE # A-2.00		



1 BUILDING SECTION

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



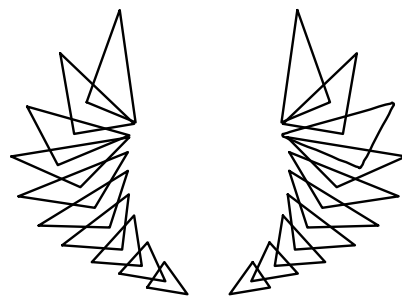
2 BUILDING SECTION

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

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304 SOMERVILLE AVENUE
SOMERVILLE, MA. 02143



LIBERTY

PROJECT:

CONSULTANTS:

AD+ASSOCIATES | 930 CARLETON STREET
INTERNATIONAL DESIGN CONSULTANTS | BERKELEY, CA 94710

CDG
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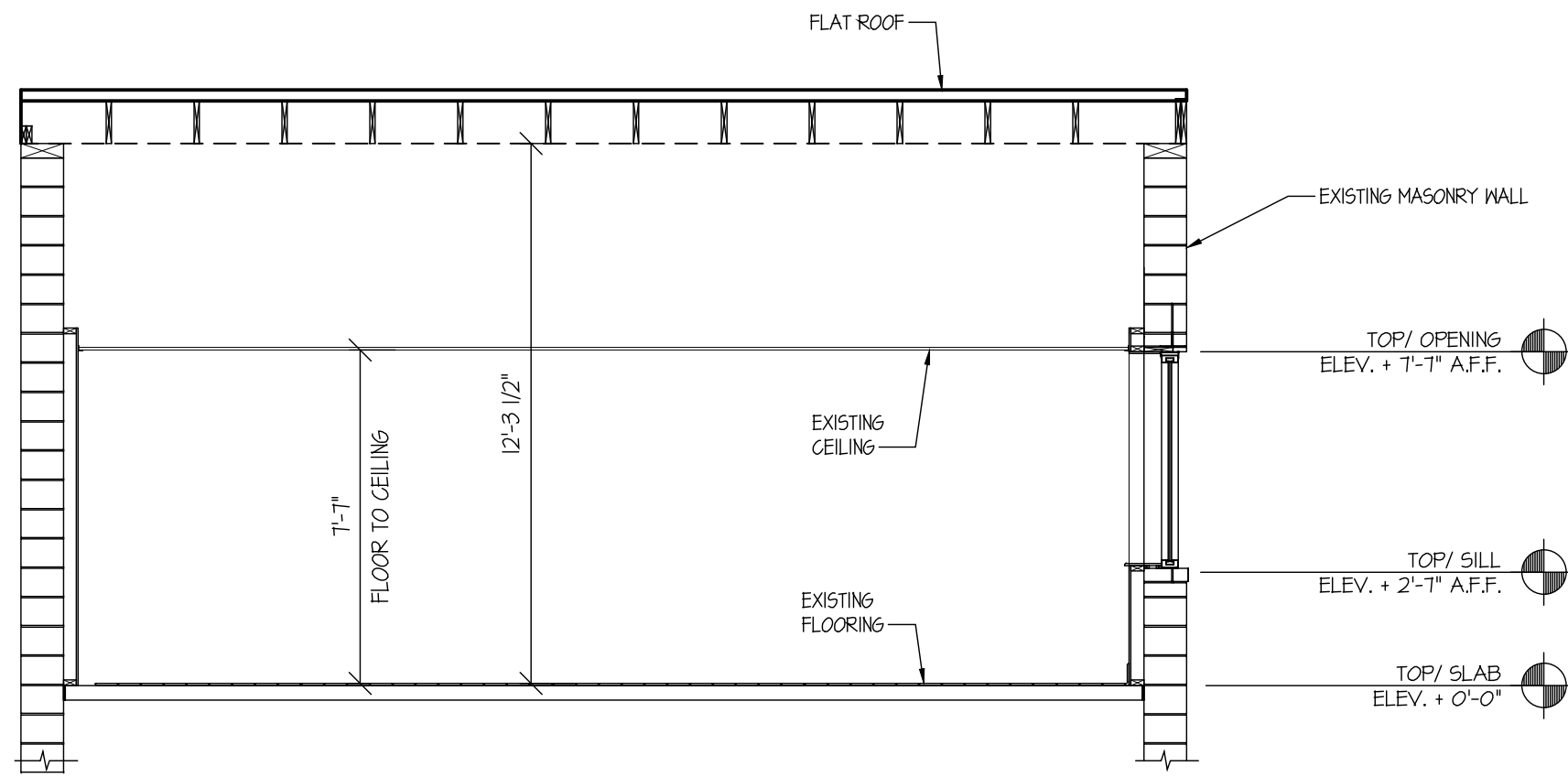
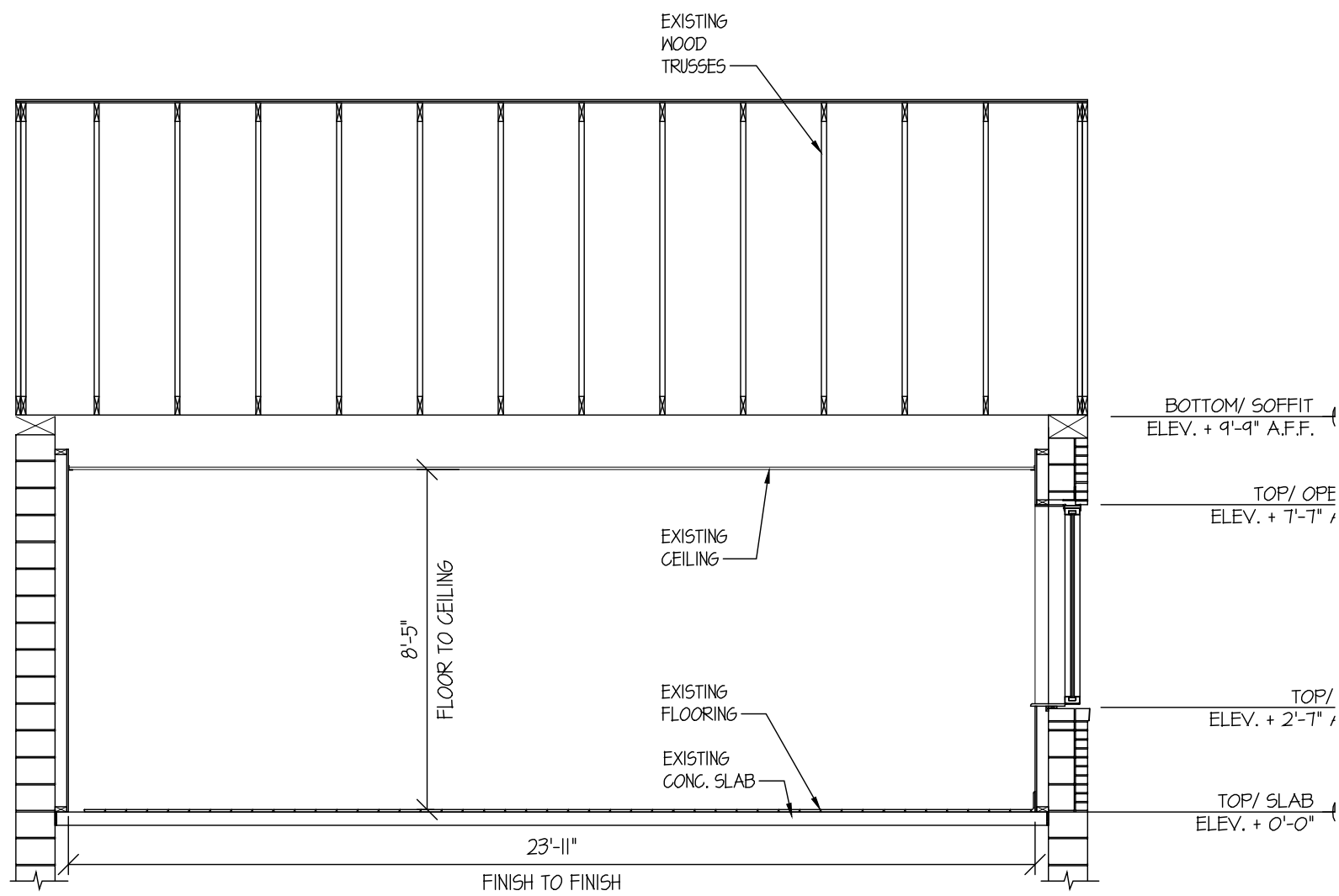
LIBERTY
304 SOMERVILLE AVE
SOMERVILLE, MA. 02143

DRAWING NAME:

DRAWN BY: JDM
CHECKED BY: RCG
DATE: 08/01/17

SCALE: AS NOTED
PROJECT # 17WE04

PAGE #



1

BUILDING SECTION

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

2

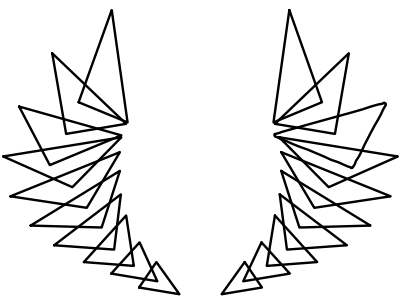
BUILDING SECTION

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


#	BY	SUBMISSIONS/REVISIONS	DATE

PROFESSIONAL CERTIFICATION:
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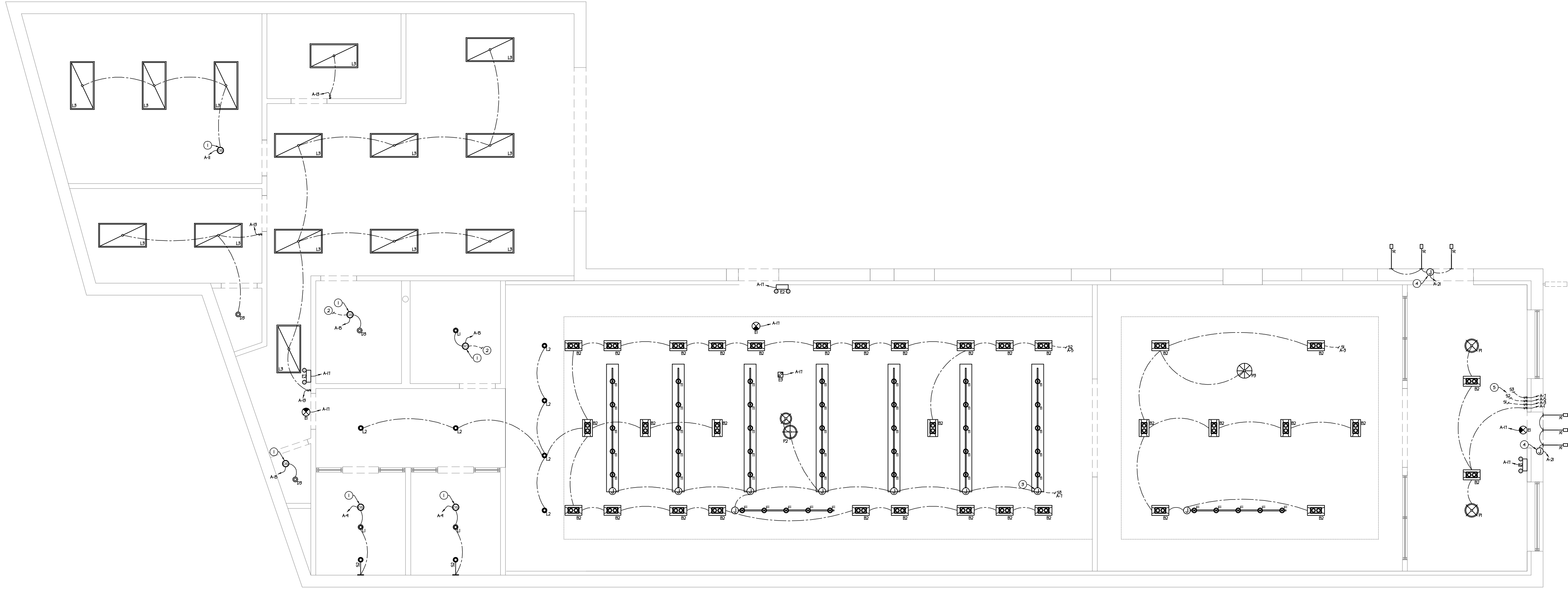
419 North Charles Street
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DRAWING NAME:

DRAWN BY: JDM	CHECKED BY: RCG	DATE: 09/01/17
SCALE: AS NOTED	PROJECT # 17WE04	

PAGE #




















1 LIGHTING PLAN

SCALE: 3/16" = 1'-0"

KEYED NOTES

- 1 ELECTRICAL CONTRACTOR TO PROVIDE CEILING MOUNTED OCCUPANCY SENSOR.
- 2 CONNECT EXHAUST FAN TO TOILET ROOM LIGHTING CIRCUIT.
- 3 PROVIDE JUNCTION BOX FOR TRACK LIGHTING, TYPICAL AT EACH LOCATION.
- 4 PROVIDE JUNCTION BOX FOR EXTERIOR LIGHT. VERIFY LOCATION PRIOR TO ROUGH-IN. EXTEND EXTERIOR LIGHTING CIRCUITRY THROUGH LIGHTING CONTROL TIMER, VERIFY WITH PROJECT MANAGER.
- 5 SWITCHBANK, VERIFY LOCATION PRIOR TO ROUGH-IN.

LIGHTING FIXTURE SCHEDULE

SYMBOL	TAG	QTY	FIXTURE			LAMP				FINISH	FEEDERS			ACCESSORIES & REMARKS	
			DESCRIPTION	MANUFACTURER	MODEL	WATTAGE			TYPE						
						QTY	PER LAMP	PER FIXTURE							
	B2	34	RECESSED LED SPOT LIGHTS	TECH LIGHTING	EMO12F-LH8352AN-010120W	2	12.5	25	3500K LED	WHITE	2	12	12	3/4"	
	B3	0	RECESSED LED SPOT LIGHTS	TECH LIGHTING	EMO13F-LH8352AN-010120W	3	12.5	37.5	3500K LED	WHITE	2	12	12	3/4"	
	D3	3	RECESSED LED DOWNLIGHT	DMF LIGHTING	DRD2M10930	1	14.7	14.7	3500K LED	WHITE	2	12	12	3/4"	FRAME-IN KIT: DRDHNIC6 TRIM: DRD2TR6SWH
	E1	3	EXIT SIGN	BEST LIGHTING	RELZTE-1-G-C-A-EM	1	3.8	3.8	LED	-	2	12	12	3/4"	BATTERY BACKUP GREEN LETTERS
	E2	3	EMERGENCY LIGHT	LITHONIA LIGHTING	ELM2 LED	2	1.5	3	LED	-	2	12	12	3/4"	BATTERY BACKUP
	E3	1	EMERGENCY LIGHT	ISOLITE LIGHTING	MINI GENIE SERIES MIGN-25-LC-UI	2	25	50	SUPERLUX MR-11 HALOGEN	-	2	12	12	3/4"	BATTERY BACKUP
	L1	3	RECESSED ADJUSTABLE LED DOWNLIGHT	DMF LIGHTING	DRD3M10930FLWH	1	14.7	14.7	3000K LED	WHITE	2	12	12	3/4"	FRAME-IN KIT: DRD4 TRIM: DRD2TR4SWH
	L2	6	RECESSED LED DOWNLIGHT	DMF LIGHTING	DRD3M10930FLWH	1	14.7	14.7	3000K LED	WHITE	2	12	12	3/4"	FRAME-IN KIT: F4L2 TRIM: DRD2TR4SWH
	L3	14	2x4 LED TROFFER	COLUMBIA LIGHTING	LJT24-40MLG-FSA12-EU	1	38.4	38.4	4000K LED	WHITE	2	12	12	3/4"	
	P1	2	PENDANT	Y LIGHTING	CARAVAGGIO CAR305	1	100	100	E26 INCAND	MATTE BLACK	2	12	12	3/4"	LARGE / 15.75" DIA
	P2	1	DOUBLE PENDANT	Y LIGHTING	NON RANDOM LIGHT ULMOLNR41-B ULMOLNR448-B	2	60	120	E26 INCAND	BLACK	2	12	12	3/4"	28" DIA & 19" DIA
	P3	1	PENDANT	Y LIGHTING	VERTIGO L0020504	1	75	75	E26 INCAND	COPPER	2	12	12	3/4"	X-LARGE, 78.7" DIA
	S1	0	WALL SCONCE SALES AREAS	RH LIGHTING	20TH C. TORPEDO SCONCE	1	40	40	INCLUDED	VINTAGE BRASS	2	12	12	3/4"	
	S2	2	WALL SCONCE CONSULTATION	RH LIGHTING	20TH C. TORPEDO SCONCE	1	40	40	INCLUDED	VINTAGE BRASS	2	12	12	3/4"	
	T1	45	TRACK LIGHTING	BRUCK LIGHTING	350419-WH-3V-S-GEOWH	1	15	15	3000K LED	WHITE	2	12	12	3/4"	PROVIDE WHITE GEOTRACK, END CAP, AND POWER FEED
	T2	0	TRACK LIGHTING	BRUCK LIGHTING	350419-WH-3V-S-GEOWH	1	15	15	3000K LED	WHITE	2	12	12	3/4"	PROVIDE WHITE GEOTRACK, END CAP, AND POWER FEED
	X1	6	EXTERIOR SIGN LIGHTER	INDY LIGHTING	SLT-SAF-WFLOOD-30K-MVOLT-BL	1	10	10	3000K LED	BLACK	2	12	12	3/4"	SINGLE ARM, FLAT CANOPY

ELECTRICAL CONTRACTOR SHALL VERIFY LIGHTING SPECS AND QUANTITY PRIOR TO ORDERING

COMCHECK

COMcheck Software Version 4.0.7.0 Interior Lighting Compliance Certificate

Project Information
Energy Code: 2015 IECC
Project Title: Liberty
Project Type: Alteration

Construction Site: 304 Somerville Avenue, Somerville, MA 02143
Owner/Agent: Holistic Industries, LLC, 300 Massachusetts Ave, NE Washington, AL 20002, 202.543.9300, tammy@holisticindustries.com
Designer/Contractor: Chesapeake Design Group, 419 N Charles Street, Baltimore, MD 21201, 410.837.3622, robert@cdgarchitects.com

A	B	C	D
Area Category	Floor Area (ft2)	Allowed Watts / ft2	Allowed Watts (B X C)
1-Retail	3872	1.26	4881
Total Allowed Watts =			4501

A	B	C	D	E
Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	Lamps/ Fixture	# of Fixtures	Fixture Watt.	(C X D)
Retail (3872 sq ft)				
LED B2: Spot Light: Other:	2	34	25	850
LED D3: Downlight: Other:	1	3	15	44
LED E1: Exit Sign: Other:	1	3	4	11
LED E2: Emergency Light: Other:	2	3	3	9
LED E3: Emergency Light: Other:	2	1	50	50
LED L1: Downlight (Adjustable): Other:	1	3	15	44
LED L2: Downlight: Other:	1	6	15	88
LED L3: 2x4 Lay-in: Other:	1	14	38	538
LED P1: Pendant: Other:	1	2	100	200
LED P2: Pendant: Other:	2	1	120	120
LED P3: Pendant: Other:	1	1	75	75
LED S2: Wall Sconce: Other:	1	2	40	80
LED T1: Track Lighting: Other:	1	45	15	675
Total Proposed Watts =				2794

Interior Lighting PASSES
Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.0.7.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

ROBERT GOLDMAN / ARCHITECT
Name - Title
SEE TITLE BLOCK
Signature
09/06/17
Date

COMcheck Software Version 4.0.7.0 Exterior Lighting Compliance Certificate

Project Information
Energy Code: 2015 IECC
Project Title: Liberty
Project Type: Alteration
Exterior Lighting Zone: 2 (Neighborhood business district)

Construction Site: 304 Somerville Avenue, Somerville, MA 02143
Owner/Agent: Holistic Industries, LLC, 300 Massachusetts Ave, NE Washington, AL 20002, 202.543.9300, tammy@holisticindustries.com
Designer/Contractor: Chesapeake Design Group, 419 N Charles Street, Baltimore, MD 21201, 410.837.3622, robert@cdgarchitects.com

A	B	C	D	E
Area/Surface Category	Quantity	Allowed Watts / Unit	Tradable Wattage	Allowed Watts (B X C)
Main entry	3 ft of door	20	Yes	60
Illuminated area of facade wall or surface	42 ft2	0.1	No	4
Total Tradable Watts (a) =				60
Total Allowed Watts =				64
Total Allowed Supplemental Watts (b) =				600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

A	B	C	D	E
Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	Lamps/ Fixture	# of Fixtures	Fixture Watt.	(C X D)
Main entry (3 ft of door width): Tradable Wattage				
LED X1: Exterior Downlight: Other:	1	3	10	30
Illuminated area of facade wall or surface (42 ft2): Non-tradable Wattage				
LED X1: Exterior Downlight: Other:	1	3	10	30
Total Tradable Proposed Watts =				30

Exterior Lighting PASSES: Design 95% better than code
Compliance Statement: The proposed exterior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.0.7.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

ROBERT GOLDMAN / ARCHITECT
Name - Title
SEE TITLE BLOCK
Signature
09/06/17
Date

BY SUBMISSIONS/REVISIONS DATE

PROFESSIONAL CERTIFICATION:
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LICENSE NO. 7647
EXPIRATION DATE: 08/31/17

304 SOMERVILLE AVENUE
SOMERVILLE, MA. 02143

LIBERTY

CONSULTANTS:
AD+ASSOCIATES | 930 CARLETON STREET
INTERNATIONAL DESIGN CONSULTANTS BERKELEY, CA 94710

CDG
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Baltimore, Maryland 21201
t: 410.837.3622
f: 410.837.3621

CLIENT:
LIBERTY
304 SOMERVILLE AVE
SOMERVILLE, MA. 02143

DRAWING NAME:
ELECTRICAL
LIGHTING PLAN

DRAWN BY:
JET

CHECKED BY:
RCG

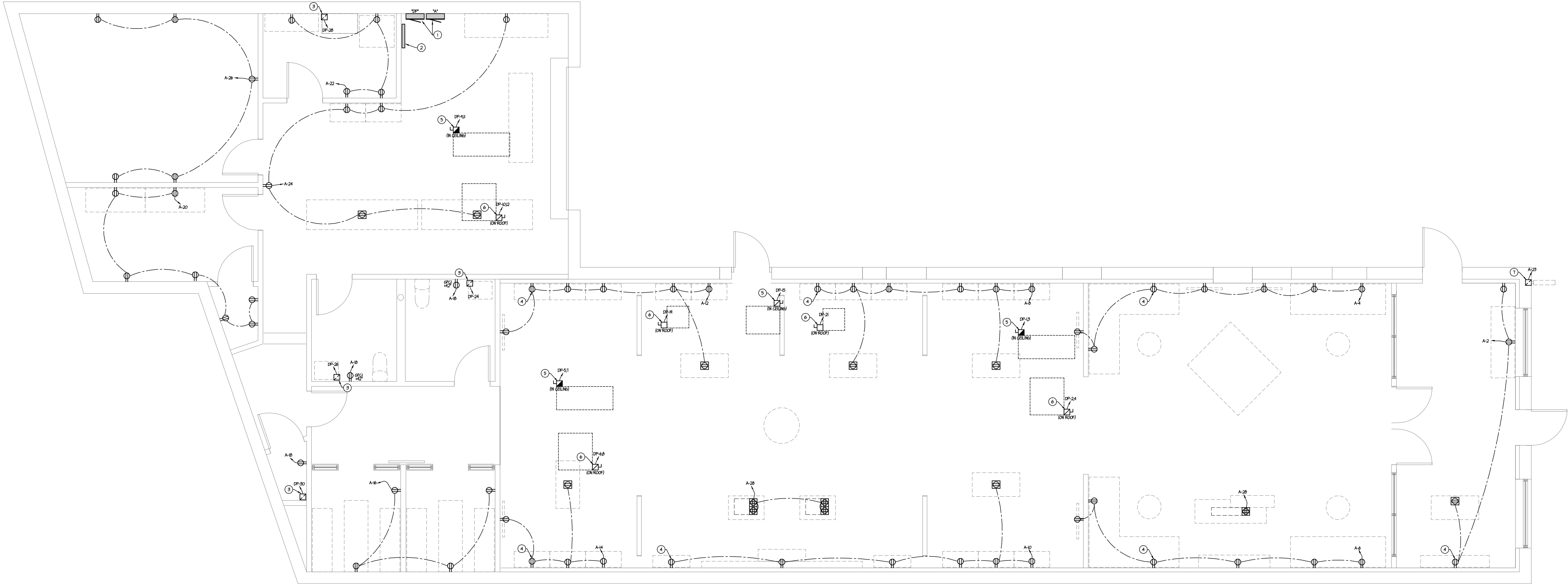
DATE:
09/01/17

SCALE:
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PROJECT #
17WE04

PAGE #
E-100.00

PRELIMINARY SET 09/06/17



1 POWER WIRING PLAN

SCALE: 3/16" = 1'-0"

GENERAL NOTES

- GC TO COORDINATE POWER REQUIREMENTS AND LOCATIONS WITH ALL VENDORS, INCLUDING AUDIO, SECURITY AND POS SYSTEMS.
- REFER TO SHEET E-200 FOR FIXTURE LOCATIONS.

KEYED NOTES

- NEW ELECTRICAL PANEL, CONFIRM LOCATION.
- NEW TELEPHONE PANEL, CONFIRM LOCATION.
- PROVIDE JUNCTION BOX WITH POWER FOR INSTANTANEOUS WATER HEATER, REFER TO PLUMBING.
- SET WALL OUTLETS BEHIND FIXTURES AT 3'-0" AFF, TYPICAL THROUGH OUT SALES AREA.
- PROVIDE JUNCTION BOX WITH POWER AND DISCONNECT IN CEILING FOR NEW HVAC UNIT, REFER TO MECHANICAL FOR REQUIREMENTS.
- PROVIDE JUNCTION BOX WITH POWER AND DISCONNECT ON ROOF FOR NEW HVAC UNIT, REFER TO MECHANICAL FOR REQUIREMENTS.
- PROVIDE JUNCTION BOX WITH POWER FOR EXTERIOR SIGNAGE, VERIFY LOCATION.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	WALL MOUNTED DUPLEX OUTLET
	WALL MOUNTED QUAD OUTLET
	CEILING MOUNTED DUPLEX OUTLET
	FLOOR MOUNTED DUPLEX OUTLET
	FLOOR MOUNTED QUAD OUTLET
	120V-1PH DISCONNECT SWITCH
	208/240V-1PH DISCONNECT SWITCH
	208/240V-3PH DISCONNECT SWITCH
	JUNCTION BOX

- GC TO SUPPLY AND INSTALL.
- GC TO VERIFY QUANTITIES AND LOCATIONS PRIOR TO ROUGH-IN.
- GC TO COORDINATE POWER REQUIREMENTS AND LOCATIONS WITH ALL VENDORS, INCLUDING AUDIO, SECURITY AND POS SYSTEMS.
- GC TO PROVIDE POWER FOR ALL STORE FIXTURES CONTAINING LIGHTING AND WILL COORDINATE WITH SHOP DRAWINGS PROVIDED BY THE FABRICATION TEAM.

PANEL "DP" SCHEDULE

FED FROM		PANEL "A"			MOUNTING		SURFACE								
VOLTAGE		120/208V, 3 PHASE, 4 WIRE			ENCLOSURE		NEMA 1								
BUS MATERIAL		ALUMINUM OR COPPER			AIC RATING		10 KAIC (VERIFY)								
BUS RATING		250 AMPS													
MAIN		MAIN LUG ONLY													
ITEM	LOAD (W)			NOTE	BRKR	CKT	BRKR	NOTE	LOAD (W)			ITEM			
	A	B	C						A	B	C				
AIR HANDLER (AHU-1)	5304				60/2	1	2	30/3	HACR	2160		CONDENSER (CU-1)			
		5304				3	4			2160					
AIR HANDLER (AHU-2)			5304		60/2	5	6				2160				
	5304					7	8	30/3	HACR	2160		CONDENSER (CU-2)			
AIR HANDLER (AHU-3)		5304			60/2	9	10			2160					
			5304			11	12			2160					
SPARE	x				20/1	13	14	30/3	HACR	2160		CONDENSER (CU-3)			
HEAT EXCHANGER (HE-1)		684			15/1	15	16			2160					
SPARE			x		20/1	17	18				2160				
EXHAUST FAN (EF-1)	282				20/1	19	20	20/1		x		SPARE			
EXHAUST FAN (EF-1)		282			20/1	21	22	20/1			x	SPARE			
SPARE			x		20/1	23	24	20/1			2400	TOILET ROOM #1 WH			
PANEL "A"	6320				20/1	25	26	20/1		2400		TOILET ROOM #2 WH			
		5621			20/1	27	28	20/1		2400		KITCHEN SINK WH			
			5261		20/1	29	30	20/1			2400	MOP SINK WH			
PHASE TOTAL	17210	17195	15869							8880	8880	11280	PHASE TOTAL		
NOTES									PHASE A					26090	32.9%
* ELECTRICAL CONTRACTOR TO VERIFY ALL ELECTRICAL LOADS AND BREAKER REQUIREMENTS FOR NEW EQUIPMENT									PHASE B					26075	32.9%
									PHASE C					27149	34.2%
									TOTAL					79314	100.0%

PANEL "A" SCHEDULE

FED FROM VOLTAGE BUS MATERIAL BUS RATING MAIN	TRANSFORMER (CONFIRM) 120/208V, 3 PHASE, 4 WIRE ALUMINUM OR COPPER 100 AMPS MAIN LUG ONLY			MOUNTING ENCLOSURE AIC RATING	SURFACE NEMA 1 10 KAIC (VERIFY)								
ITEM	LOAD (W)			NOTE	BRKR	CKT	BRKR	NOTE	LOAD (W)			ITEM	
	A	B	C						A	B	C		
RECEPTION LIGHTING	250				20/1	1	2	20/1		720		LOBBY RECEPT	
GENERAL LIGHTING 1		350			20/1	3	4	20/1		1260		SALES RECEIPT #1	
GENERAL LIGHTING 2			688		20/1	5	6	20/1			1080	SALES RECEIPT #2	
GENERAL LIGHTING 3	720				20/1	7	8	20/1		1440		SALES RECEIPT #3	
CONSULTATION LIGHTING		307			20/1	9	10	20/1		1260		SALES RECEIPT #4	
VAULT & CORRIDOR LIGHTING			422		20/1	11	12	20/1			1260	SALES RECEIPT #5	
OFFICE & STAFF LIGHTING	130				20/1	13	14	20/1		900		SALES RECEIPT #6	
TOILET & CLOSET LIGHTING		44			20/1	15	16	20/1		720		CONSULTATION RECEPT	
EMERGENCY LIGHTING			70		20/1	17	18	20/1			540	TOILET / CLOSET RECEPT	
SPARE	x				20/1	19	20	20/1		1260		OFFICE RECEPT	
EXTERIOR LIGHTING		60			20/1	21	22	20/1		720		STAFF RECEPT	
EXTERIOR SIGNAGE			120		20/1	23	24	20/1			1080	RECEIVING/PROCESS RECEPT	
SPARE	x				20/1	25	26	20/1		900		VAULT RECEPT	
SPARE		x			20/1	27	28	20/1		900		COUNTER RECEPT	
SPARE			x		20/1	29	30	20/1			x	SPARE	
PHASE TOTAL	1100	761	1301							5220	4860	3960	PHASE TOTAL
NOTES * ELECTRICAL CONTRACTOR TO VERIFY ALL ELECTRICAL LOADS AND BREAKER REQUIREMENTS FOR NEW EQUIPMENT									PHASE A		6320	36.7%	
									PHASE B		5621	32.7%	
									PHASE C		5261	30.6%	
									TOTAL		17202	100.0%	

PANEL "DP" LOAD SUMMARY

LOAD TYPE	LOAD (W)		
	CONNECTED	FACTOR	DEMAND
LIGHTING	0	125%	0
RECEPTACLES	0	100%	0
KITCHEN	0	65%	0
HVAC	52512	100%	52512
WATER HEATER	9600	100%	9600
SUBPANEL	17202	-	17993
TOTAL WATT LOAD	79314		80105
TOTAL AMP LOAD	220		223

PANEL "A" LOAD SUMMARY

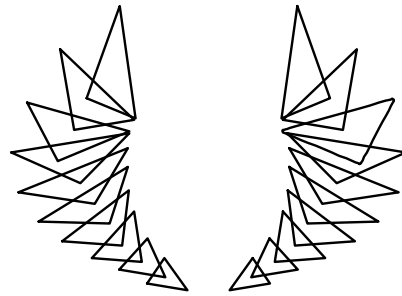
LOAD TYPE	LOAD (W)		
	CONNECTED	FACTOR	DEMAND
LIGHTING	3162	125%	3953
RECEPTACLES	14040	100%	14040
KITCHEN	0	65%	0
HVAC	0	100%	0
WATER HEATER	0	100%	0
SUBPANEL	0	100%	0
TOTAL WATT LOAD	17202		17993
TOTAL AMP LOAD	48		50

ELECTRICAL LOAD SUMMARY

LOAD TYPE	LOAD (W)				
	CONNECTED			FACTOR	DEMAND
	"DP"	"A"	TOTAL		
LIGHTING	0	3162	3162	125%	3953
RECEPTACLES	0	14040	14040	100%	14040
KITCHEN	0	0	0	65%	0
HVAC	52512	0	52512	100%	52512
WATER HEATER	9600	0	9600	100%	9600
TOTAL WATT LOAD	62112	17202	79314		80105
TOTAL AMP LOAD	173	48	220		223

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UNDER THE LAWS OF THE STATE OF MA
LICENSE NO. 7647
EXPIRATION DATE: 08/31/17

304 SOMERVILLE AVENUE
SOMERVILLE, MA. 02143



CONSULTANTS:

AD+ASSOCIATES | 930 CARLETON STREET
INTERNATIONAL DESIGN CONSULTANTS | BERKELEY, CA 94710

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CLIENT:
LIBERTY
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SOMERVILLE, MA. 02143

DRAWING NAME:
ELECTRICAL
POWER WIRING PLAN

DRAWN BY:
JET

CHECKED BY:
RCG

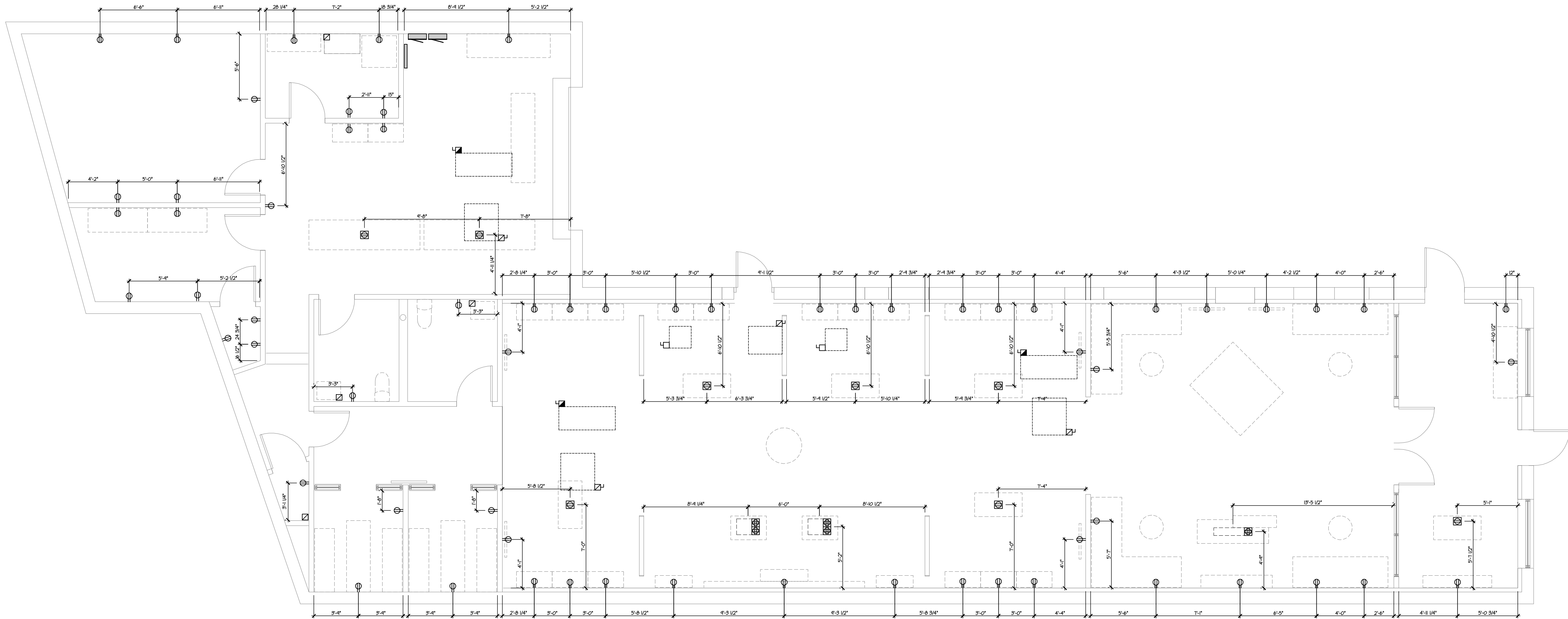
DATE:
09/01/17

SCALE:
AS NOTED

PROJECT #
17WE04

PAGE #
E-200.00

PRELIMINARY SET 09/06/17



1 POWER LOCATION PLAN

SCALE: 3/16" = 1'-0"

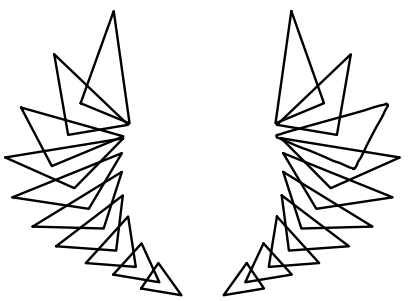
GENERAL NOTES

- GC TO COORDINATE POWER REQUIREMENTS AND LOCATIONS WITH ALL VENDORS, INCLUDING AUDIO, SECURITY AND POS SYSTEMS.
- ALL DIMENSIONS ARE FROM THE WALL FACE TO THE CENTER OF THE ELECTRICAL FIXTURE. VERIFY ALL DIMENSIONS WITH FIXTURE SUPPLIERS AND TENANT PRIOR TO ROUGH-IN.
- REFER TO SHEET E-200 FOR WIRING LAYOUT.


#	BY	SUBMISSIONS/REVISIONS	DATE

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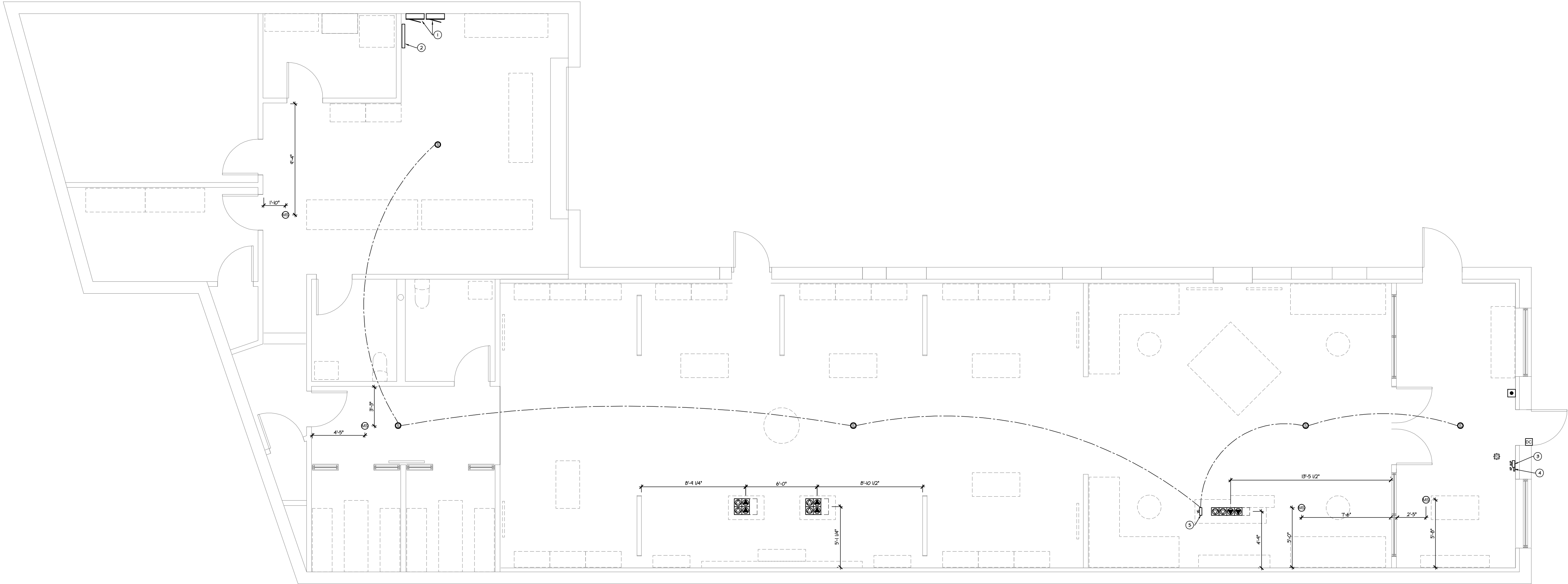
DRAWING NAME: ELECTRICAL
POWER LOCATION PLAN

DRAWN BY: JET	CHECKED BY: RCG	DATE: 09/01/17
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SCALE: AS NOTED	PROJECT # 17WE04
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PAGE #
E-201.00

PRELIMINARY SET 09/06/17



1 DATA & SECURITY PLAN

SCALE: 3/16" = 1'-0"

KEYED NOTES

- 1 NEW ELECTRICAL PANEL, SEE POWER PLAN, CONFIRM LOCATION.
- 2 NEW TELEPHONE PANEL, CONFIRM LOCATION.
- 3 ALARM CONTROL PANEL, WALL MOUNTED
- 4 ALARM KEYPAD, WALL MOUNTED
- 5 AUDIO VOLUME CONTROL PANEL, MOUNTED

NOTES

1. GC TO COORDINATE AUDIO, SECURITY AND POS SYSTEMS LOCATIONS WITH ALL VENDORS.

DATA LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
◀	WALL MOUNTED CAT5	⊙	WALL MOUNTED TELEPHONE LINE
⊞	FLOOR MOUNTED CAT5	⊞	FLOOR MOUNTED TELEPHONE LINE

SECURITY SYSTEM LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
⊞	WALL MOUNTED KEYPAD	MS	MOTION SENSOR
⊞	WALL MOUNTED ALARM CONTROL PANEL	DC	ALARM DOOR CONTACT
⊞	HOLD UP BUTTON		

1. SECURITY ALARM VENDOR TO SUPPLY AND INSTALL.
2. VENDOR TO SUPPLY ALL CABLING FOR SECURITY INSTALL.
3. GC TO COORDINATE INSTALLATION WITH SECURITY VENDOR.

AUDIO LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
⊞	WALL MOUNTED COLUMN CONTROL		
⊞	RECESSED CEILING MOUNTED SPEAKERS		

1. AUDIO VENDOR TO SUPPLY AND INSTALL.
2. GC TO COORDINATE INSTALLATION & ELECTRICAL REQUIREMENTS FOR EQUIPMENT WITH AUDIO VENDOR.
3. VENDOR TO SUPPLY ALL CABLING FOR AUDIO INSTALL UNLESS OTHERWISE SPECIFIED BY AUDIO VENDOR.

TRAFFIC COUNTER LEGEND

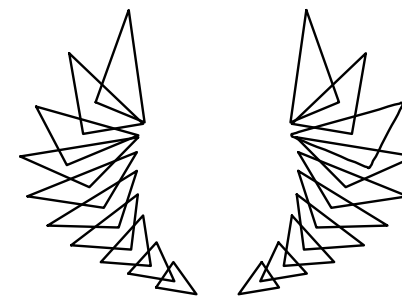
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
⊞	CEILING MOUNTED PEOPLE COUNTER		

1. SHOPPER TRACK VENDOR TO SUPPLY AND INSTALL.
2. VENDOR TO PULL CAT5 CABLE FROM TRAFFIC COUNTER AT STOREFRONT ENTRY TO PATCH PANEL.
3. DEVICE MUST BE WITHIN 3'-0" OF STOREFRONT ENTRY.
4. LEAVE 10 FEET ROLLED SLACK CAT5 CABLE IN CEILING AT DEVICE AND 15 FEET ROLLED SLACK AT LOW VOLTAGE CABINET TERMINAL LOCATION. MARK BOTH ENDS OF SLACK AS SHOPPER TRACK.
5. TERMINATE BOTH ENDS WITH AN RJ-45 MALE (STANDARD 568B).
6. GC TO COORDINATE INSTALLATION WITH SHOPPER TRACK VENDOR.

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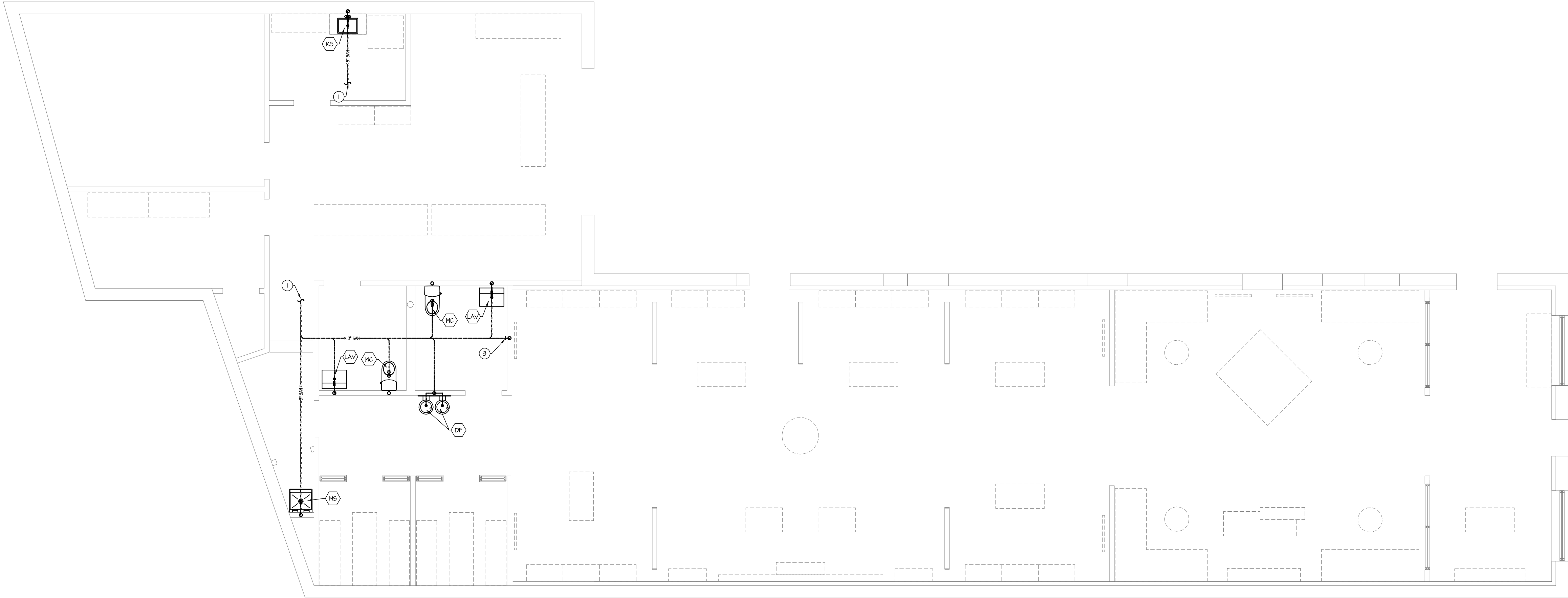
DRAWING NAME:
ELECTRICAL
DATA & SECURITY PLAN

DRAWN BY: JET	CHECKED BY: RCG	DATE: 09/01/17
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SCALE: AS NOTED	PROJECT # 17WE04
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PAGE #
E-300.00

PRELIMINARY SET 09/06/17



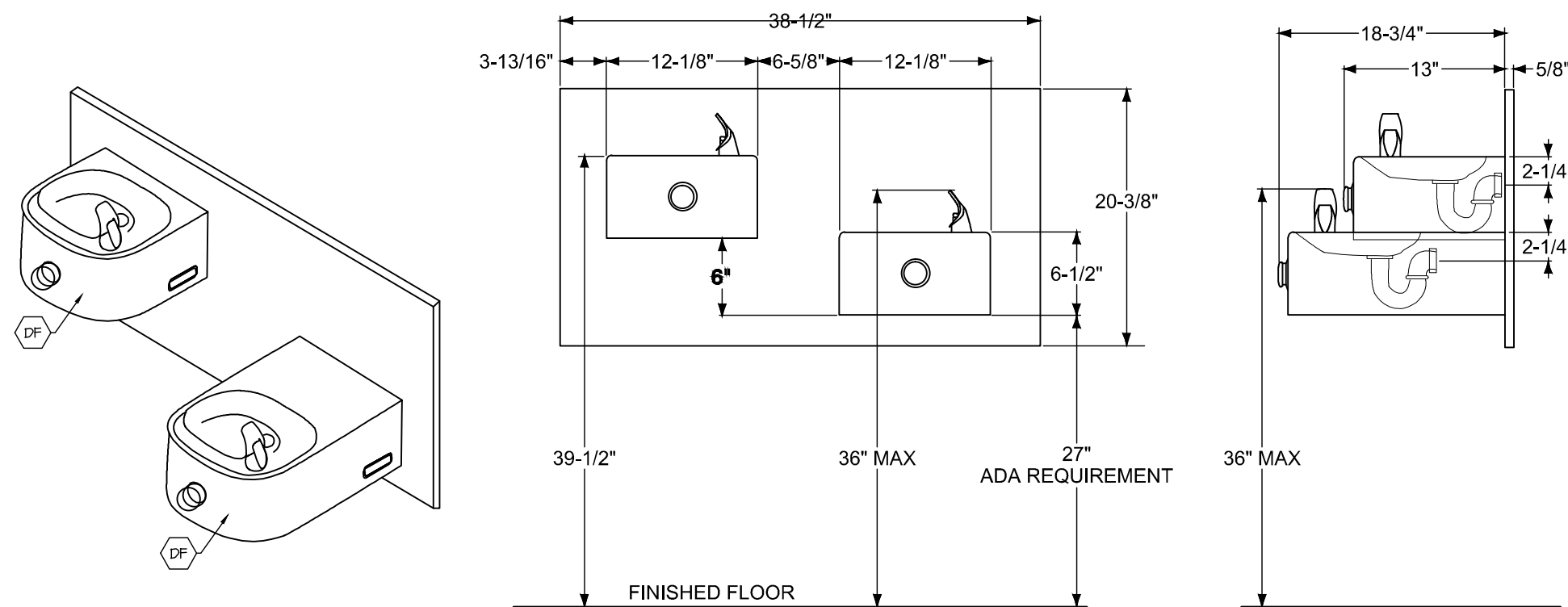
1 SANITARY PIPING PLAN

SCALE: 3/16" = 1'-0"

KEYED NOTES

- CONNECT TO EXISTING SANITARY LINE, VERIFY LOCATION.
- CONNECT TO EXISTING SANITARY VENT, VERIFY LOCATION.
- PROVIDE A WALL CLEANOUT.

DRINKING FOUNTAIN DETAILS

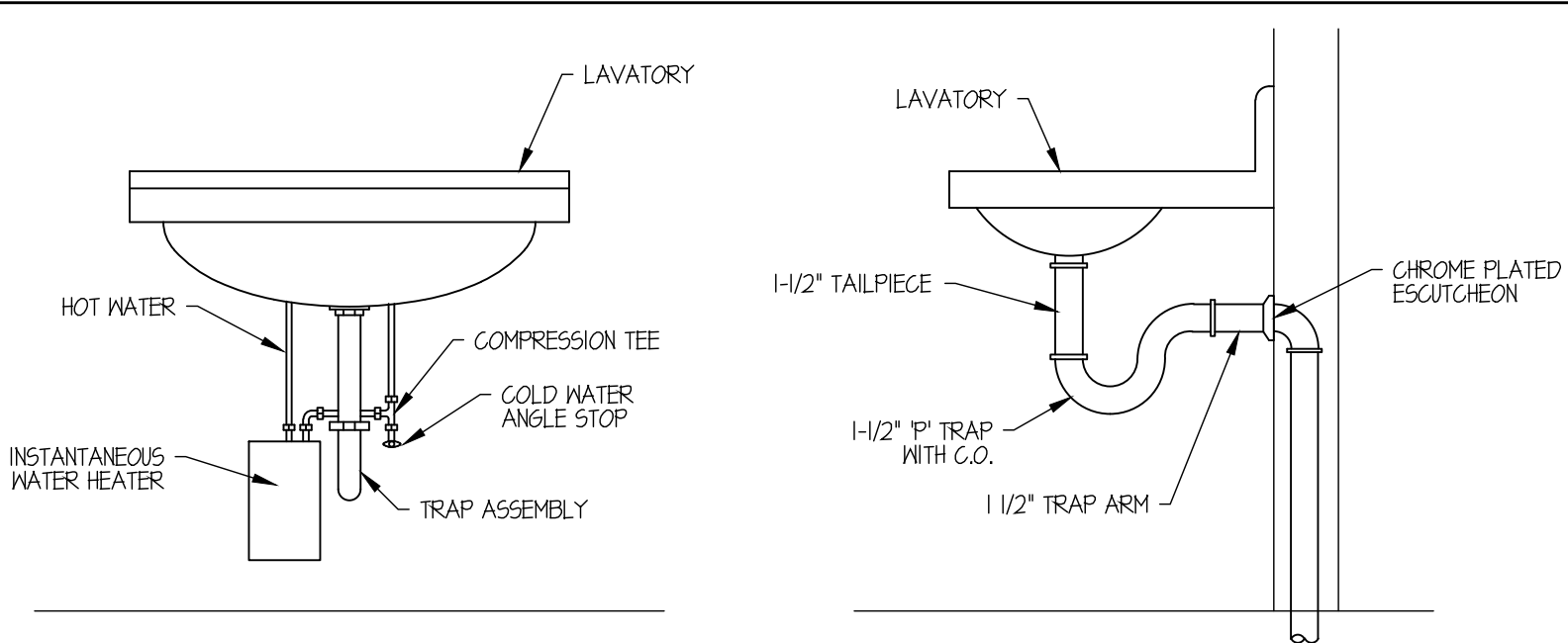


PLUMBING FIXTURE SCHEDULE

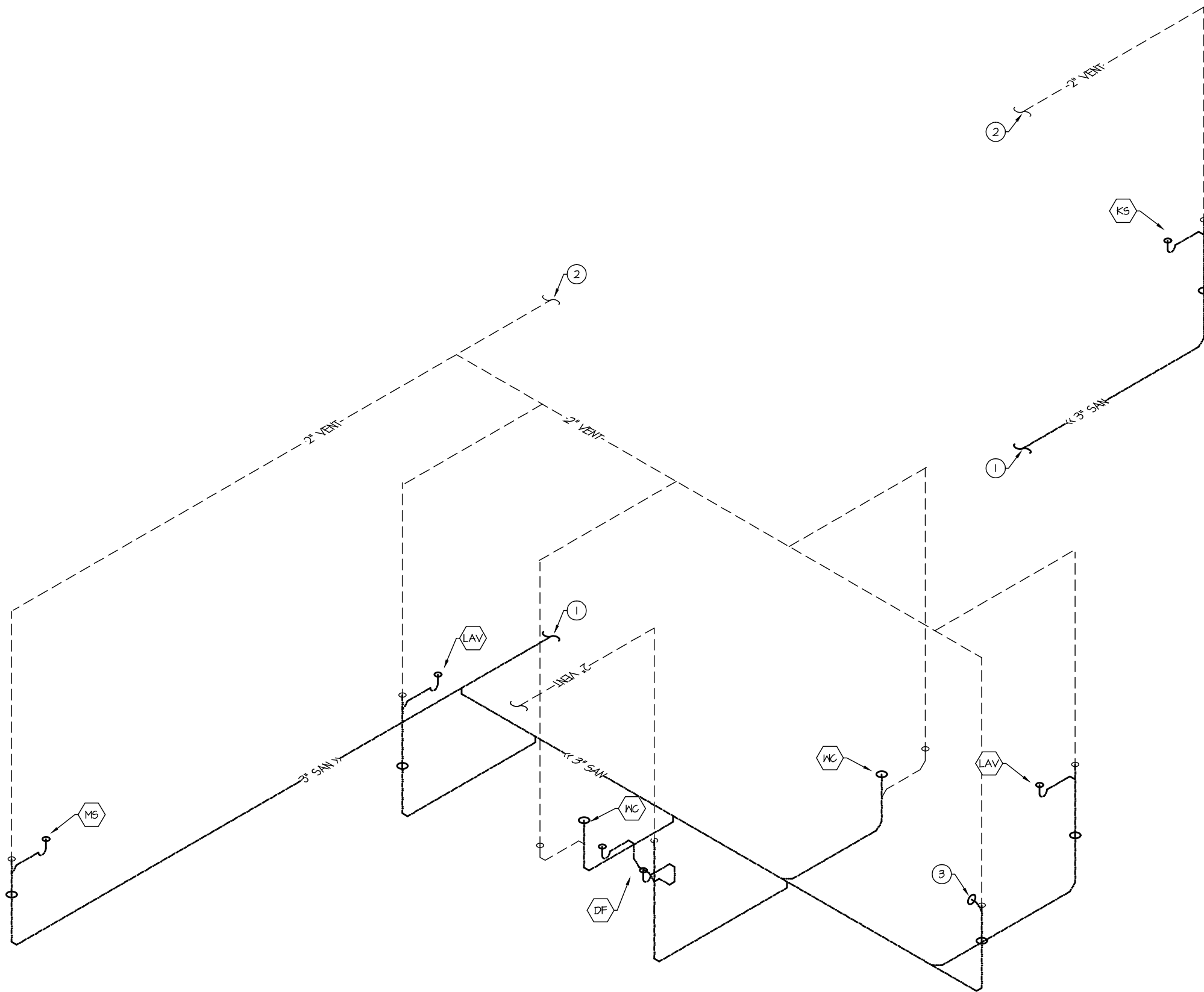
TAG	DESCRIPTION	MANUFACTURER & MODEL	WATER SUPPLY	ACCESSORIES
DF	WALL MOUNTED ADA H/LD DRINKING FOUNTAIN	-	1/2" CW 1/2" HW	STAINLESS STEEL
KS	COUNTER MOUNT KITCHEN SINK	-	1/2" CW 1/2" HW	-
LV	ADA WALL MOUNTED LAVATORY	SCARABEO SCARABEO 803UR	1/2" CW 1/2" HW	DELTA CLASSIC SINGLE HOLE SINGLE-HANDLE FAUCET IN CHROME 1.20GPM
MS	FLOOR MOUNTED SINK	FIAT FL-1	1/2" CW 1/2" HW	MOEN MODEL 8130 TWO HANDLE BAR FAUCET
VC	ADA FLOOR MOUNTED TOILET	KOHLER ELMBROOK	3/4" CW	SEAT INCLUDED 1.28GPM

PLUMBING CONTRACTOR SHALL VERIFY PLUMBING SPECS PRIOR TO ORDERING.
PLUMBING CONTRACTOR SHALL COORDINATE WITH G.C. TO PROVIDE BLOCKING FOR PROPER SINK SUPPORT.

LAVATORY DETAIL



SANITARY RISERS



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DRAWING NAME:
PIPING PLAN
SANITARY

DRAWN BY:
JET

CHECKED BY:
RCG

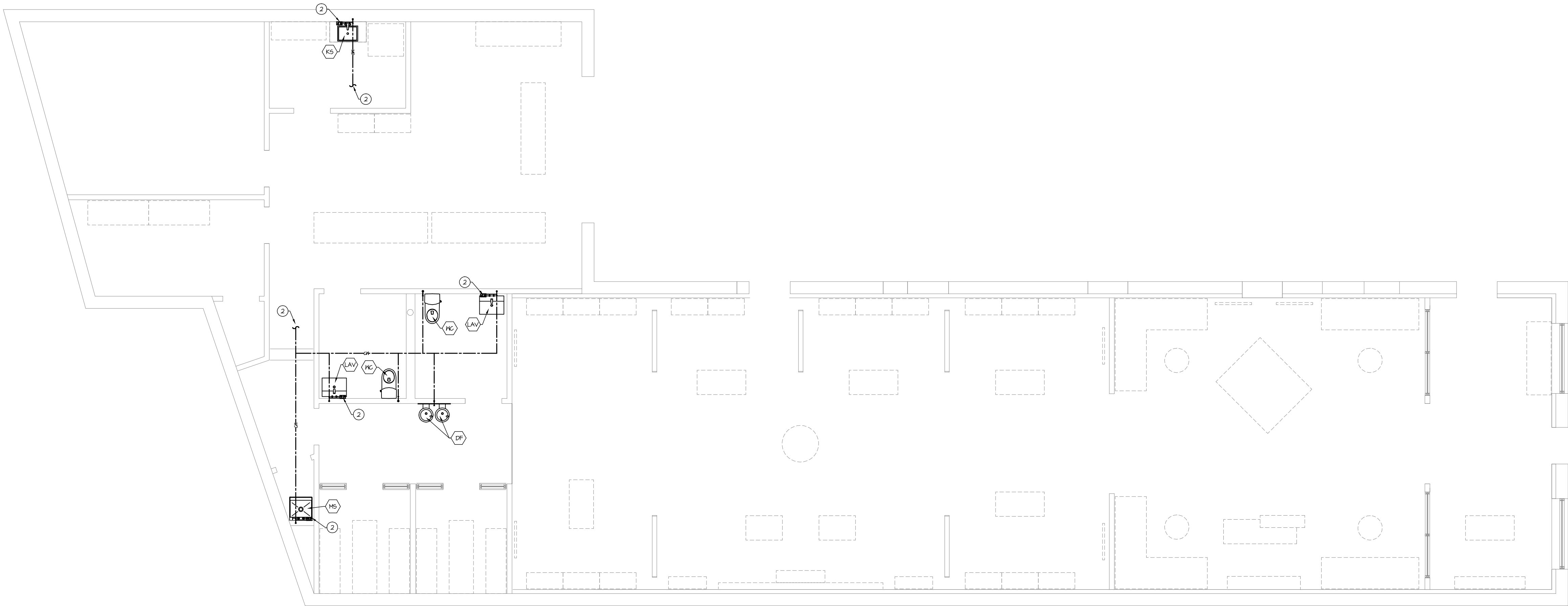
DATE:
09/01/17

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AS NOTED

PROJECT #
17WE04

PAGE #
P-100.00

PRELIMINARY SET 09/06/17



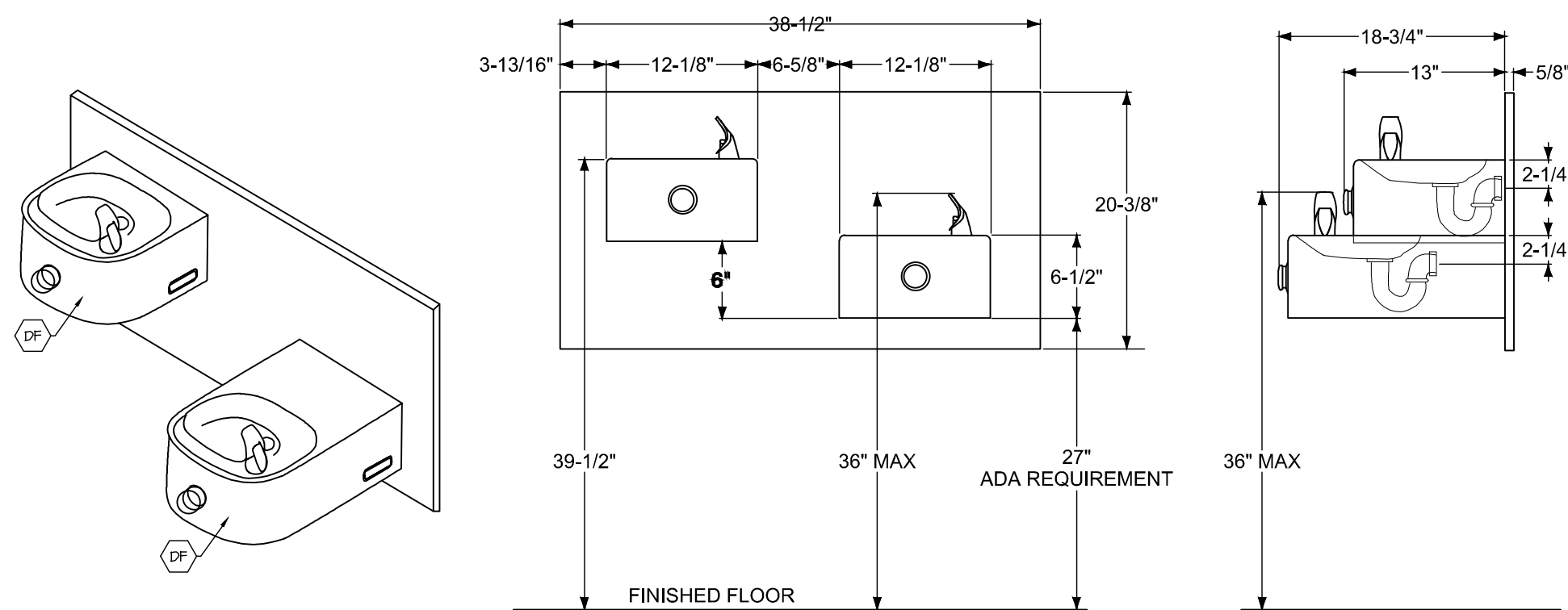
1 DOMESTIC WATER PIPING PLAN

SCALE: 3/16" = 1'-0"

KEYED NOTES

- 1 CONNECT TO EXISTING DOMESTIC WATER SUPPLY LINE, VERIFY LOCATION.
- 2 PROVIDE INSTANTANEOUS WATER HEATER, EEMAX MODEL#EF2412 OR SIMILAR. COORDINATE LOCATION WITH ELECTRICAL.

DRINKING FOUNTAIN DETAILS

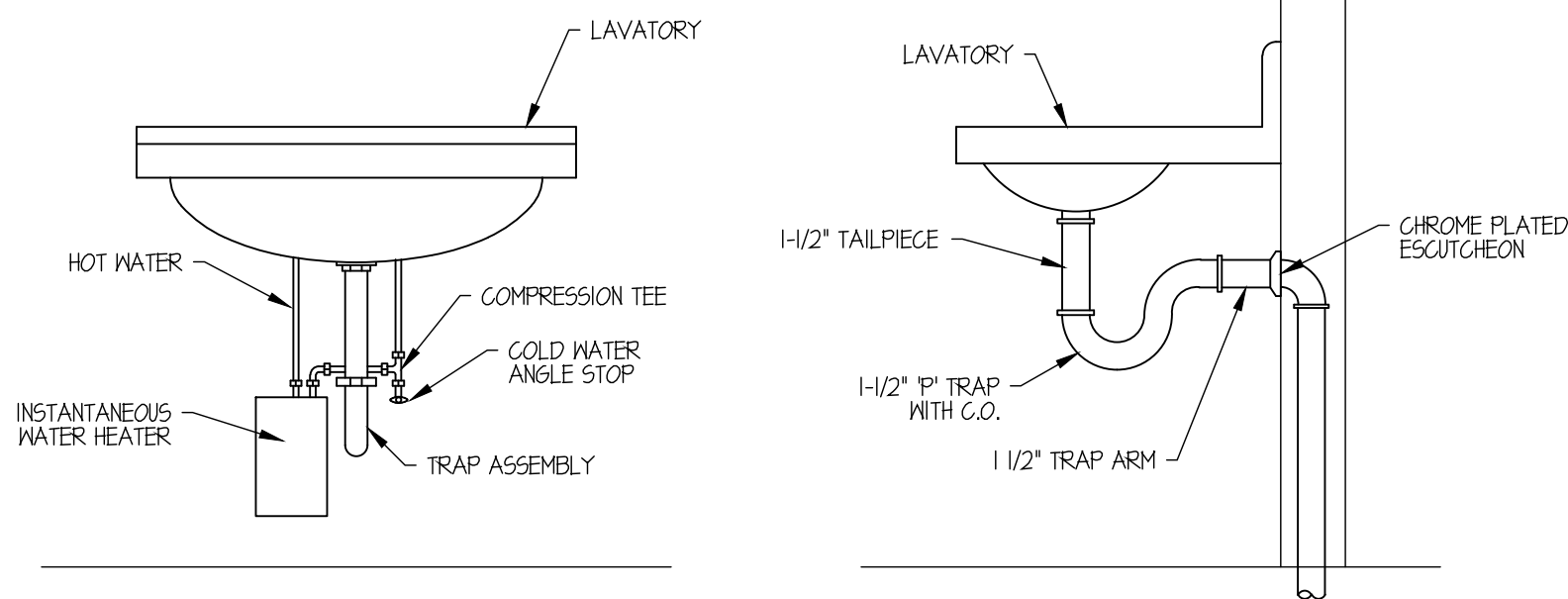


PLUMBING FIXTURE SCHEDULE

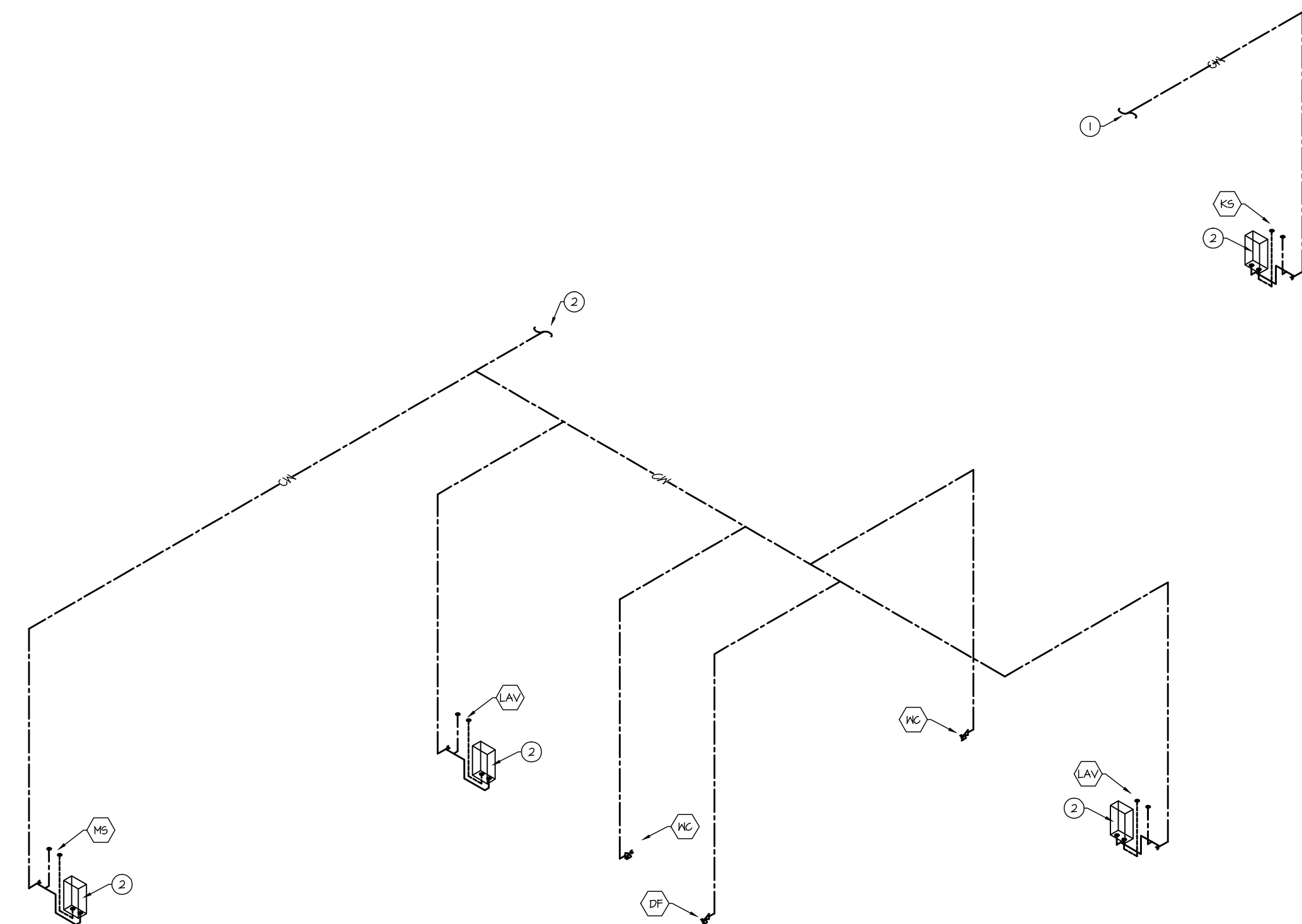
TAG	DESCRIPTION	MANUFACTURER & MODEL	WATER SUPPLY	ACCESSORIES
DF	WALL MOUNTED ADA H100 DRINKING FOUNTAIN	-	1/2" CW 1/2" HW	STAINLESS STEEL
KS	COUNTER MOUNT KITCHEN SINK	-	1/2" CW 1/2" HW	-
LAV	ADA WALL MOUNTED LAVATORY	SCARABEO SCARABEO 803UR	1/2" CW 1/2" HW	DELTA CLASSIC SINGLE HOLE SINGLE-HANDLE FAUCET IN CHROME 1.20GPM
HS	FLOOR MOUNTED SINK	FIAT FL-1	1/2" CW 1/2" HW	MOEN MODEL 8130 TWO HANDLE BAR FAUCET
PC	ADA FLOOR MOUNTED TOILET	KOHLER ELMBROOK	3/4" CW	SEAT INCLUDED 1.28GPM

PLUMBING CONTRACTOR SHALL VERIFY PLUMBING SPECS PRIOR TO ORDERING.
PLUMBING CONTRACTOR SHALL COORDINATE WITH G.C. TO PROVIDE BLOCKING FOR PROPER SINK SUPPORT.

LAVATORY DETAIL



DOMESTIC WATER RISERS



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DRAWING NAME:
PIPING PLAN
DOMESTIC WATER

DRAWN BY:
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CHECKED BY:
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DATE:
09/01/17

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17WE04

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PRELIMINARY SET 09/06/17

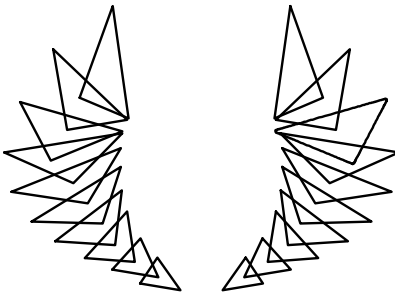


KEYED NOTES

- R1 EXISTING ROOFTOP EQUIPMENT TO BE REMOVED. PATCH ROOF AS REQUIRED.
- R2 TOILET EXHAUST. PROVIDE RAINPROOF CAP WITH BIRD SCREEN.
- R3 HEAT EXCHANGER EXHAUST. PROVIDE GREENHECK. GRSR SIZE 12 CAP WITH 12" HIGH CURB AND GRAVITY BACKDRAFT DAMPER.
- R4 OUTSIDE AIR INTAKE. PROVIDE GREENHECK. GRSI SIZE 12 CAP WITH 12" HIGH CURB AND GRAVITY BACKDRAFT DAMPER.
- R5 CONDENSER UNIT. SEE SCHEDULE, SHEET M-3.00. PROVIDE SLEEPERS AS REQUIRED AND FITCH POCKET FOR REFRIGERANT LINES.

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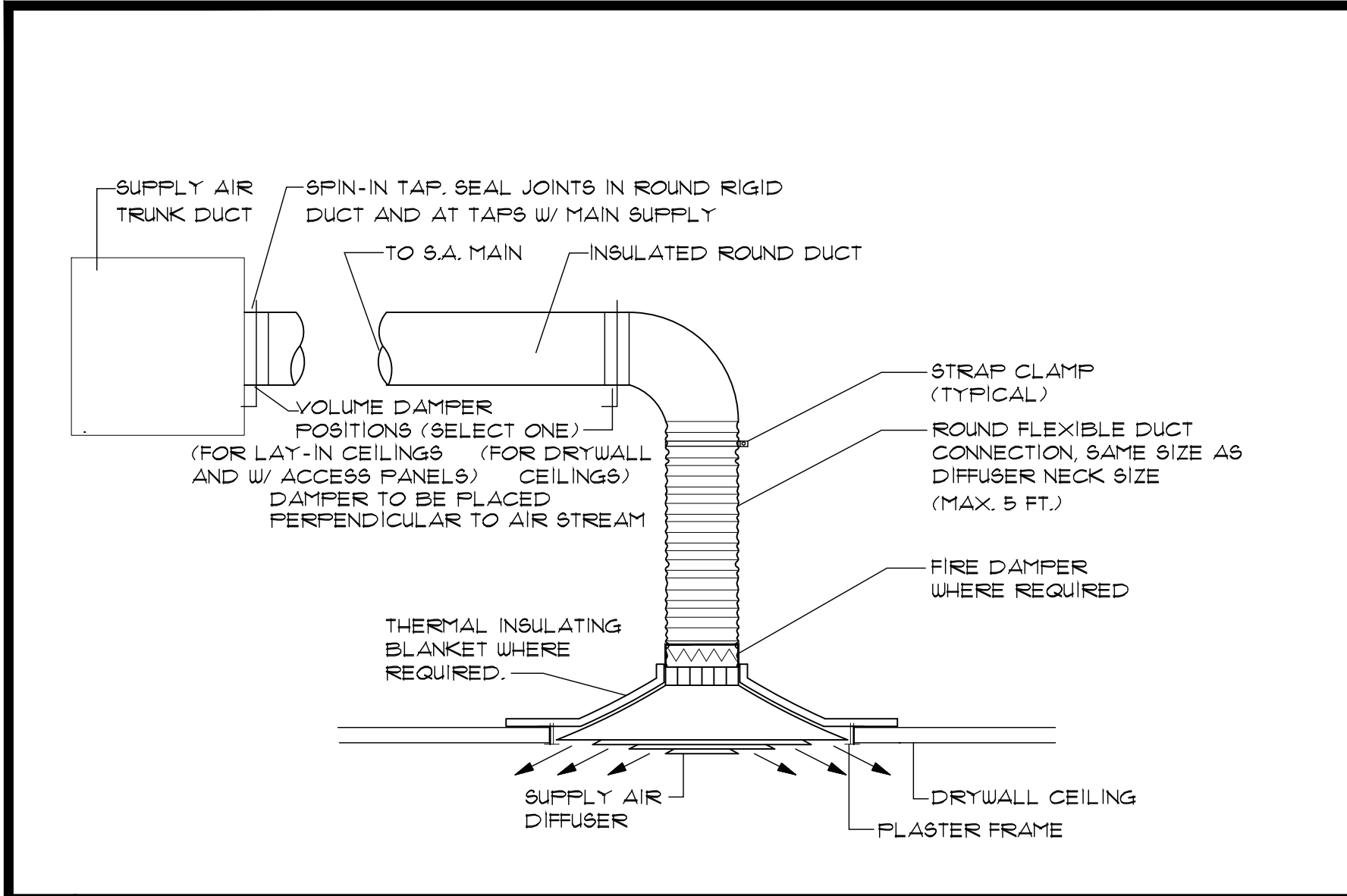
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DRAWING NAME: HVAC ROOF PLAN AND NOTES

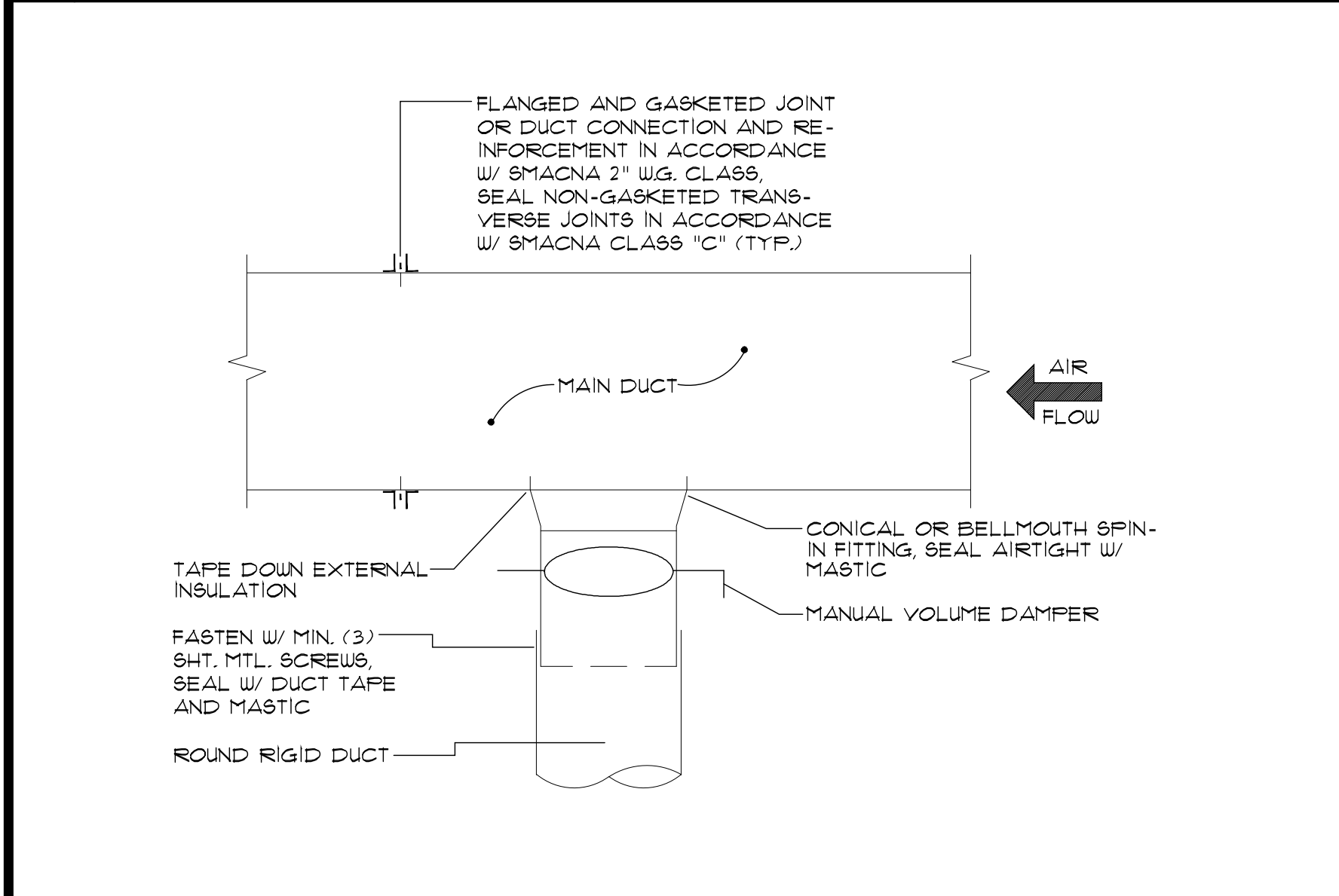
DRAWN BY: CWB CHECKED BY: RCG DATE: 09/01/17

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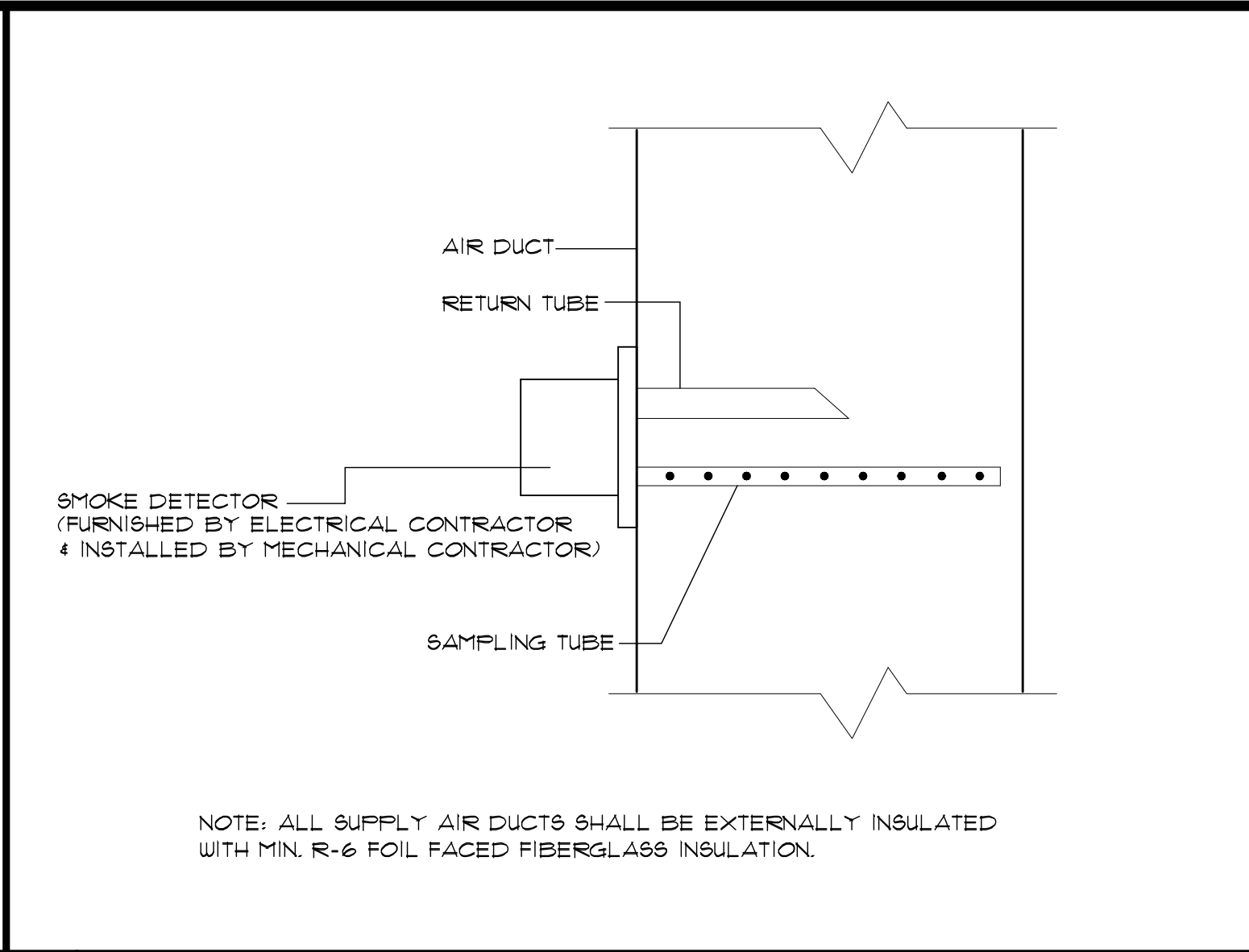
1 DIFFUSER MOUNTING DETAIL (NTS)



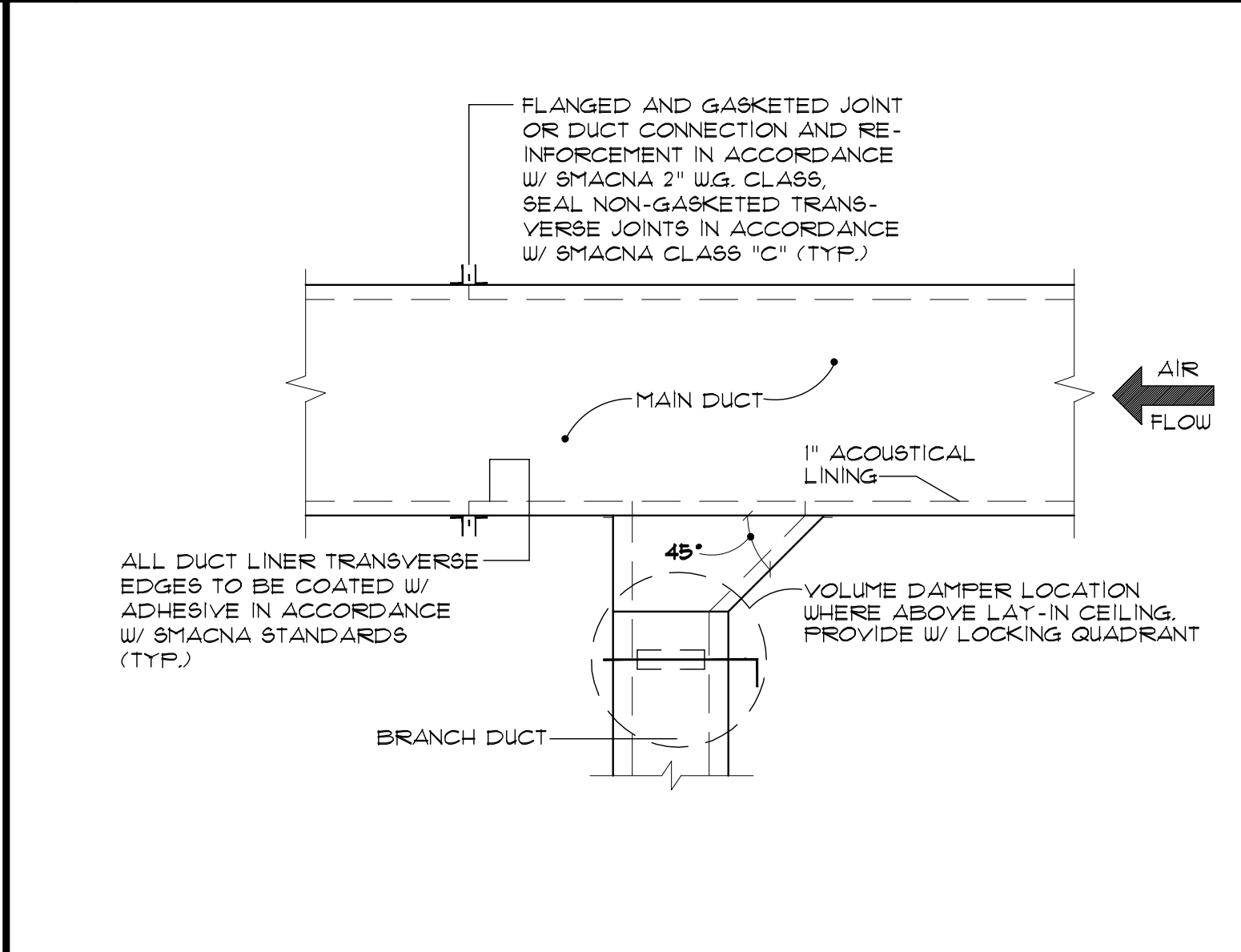
4 TYPICAL ROUND DUCT TAKE-OFF DETAIL (NTS)

- THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL LOCAL, STATE, AND OWNER REQUIREMENTS PRIOR TO BIDDING AND SHALL INCLUDE ALL COSTS IN HIS BID.
- THE CONTRACTOR SHALL VISIT THE SITE AND NOTE EXISTING CONDITIONS AND HE SHALL INCLUDE IN HIS PRICE ALL COSTS AND MODIFICATIONS DUE TO EXISTING CONDITIONS.
- THE CONTRACTOR SHALL SECURE THE APPROVAL OF THE BUILDING DEPARTMENT.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NEW STRUCTURAL MEMBERS AS REQUIRED FOR THE SUPPORT OF ALL HVAC MATERIALS AND EQUIPMENT.
- HVAC CONTRACTOR SHALL SUBMIT IN WRITING EVIDENCE THAT THE PROPOSED SYSTEM CONFORMS TO ALL REQUIREMENTS OF THE OWNER, FEDERAL, STATE, AND LOCAL CODES. SHOP DRAWINGS SHALL BE PROVIDED BY THE HVAC CONTRACTOR. SUBMIT THE NAME, MODEL, AND MAKE OF THE HVAC UNIT, DIFFUSERS, REGISTERS, MAKE-UP AIR AND EXHAUST FANS PRIOR TO THE START OF CONSTRUCTION. BY SUBMITTING A BID THE CONTRACTOR AGREES TO PROVIDE A SYSTEM IN ACCORDANCE WITH ALL REQUIREMENTS.
- THE CONTRACTOR SHALL PROVIDE A GUARANTEE FOR ALL LABOR & MATERIALS AT ACCEPTANCE. REPLACE OR REPAIR ALL DEFECTS DURING GUARANTEE PERIOD.
- DUCTWORK TO BE FABRICATED FROM GALVANIZED STEEL IN ACCORDANCE WITH SMACNA STANDARDS AND OWNER SPECIFICATIONS. FIBERGLAS DUCTS ARE NOT PERMITTED.
- DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
- DUCTWORK SHOWN IS DIAGRAMMATIC. ADJUST DUCTWORK AND EQUIPMENT TO CONFORM TO EXISTING CONDITIONS AND ARCHITECTURAL REQUIREMENTS.
- PROVIDE TURNING VANES IN ALL SQUARE ELBOWS.
- ALL SUPPLY AND RETURN AIR DUCTS SHALL BE INSULATED WITH 1" THICK 1 1/2 LB. DENSITY DUCT INSULATION, JM OR APPROVED EQUAL.
- LABEL HVAC UNITS WITH UNIT NUMBERS TO MATCH LABEL IN ELECTRIC PANEL.
- LOCAL CRITERIA AND CODES MUST BE MET EVEN WHEN NOT SPECIFICALLY NOTED.
- UNLESS OTHERWISE NOTED WALL MOUNTED THERMOSTAT SHALL BE INSTALLED 5'-0" AFF.
- JOB MUST BE QUOTED AND PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES. ALL COSTS INCURRED TO MEET THESE CODES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL DIFFUSERS AND REGISTERS SHALL HAVE ADJUSTABLE TYPE DAMPERS FOR VOLUME AND DIRECTIONAL CONTROL.
- PROVIDE VOLUME DAMPERS FOR ALL REGISTER SUPPLY DUCTS.
- HVAC CONTRACTOR IS RESPONSIBLE FOR ALL DRAIN REQUIREMENTS OF HVAC UNITS.

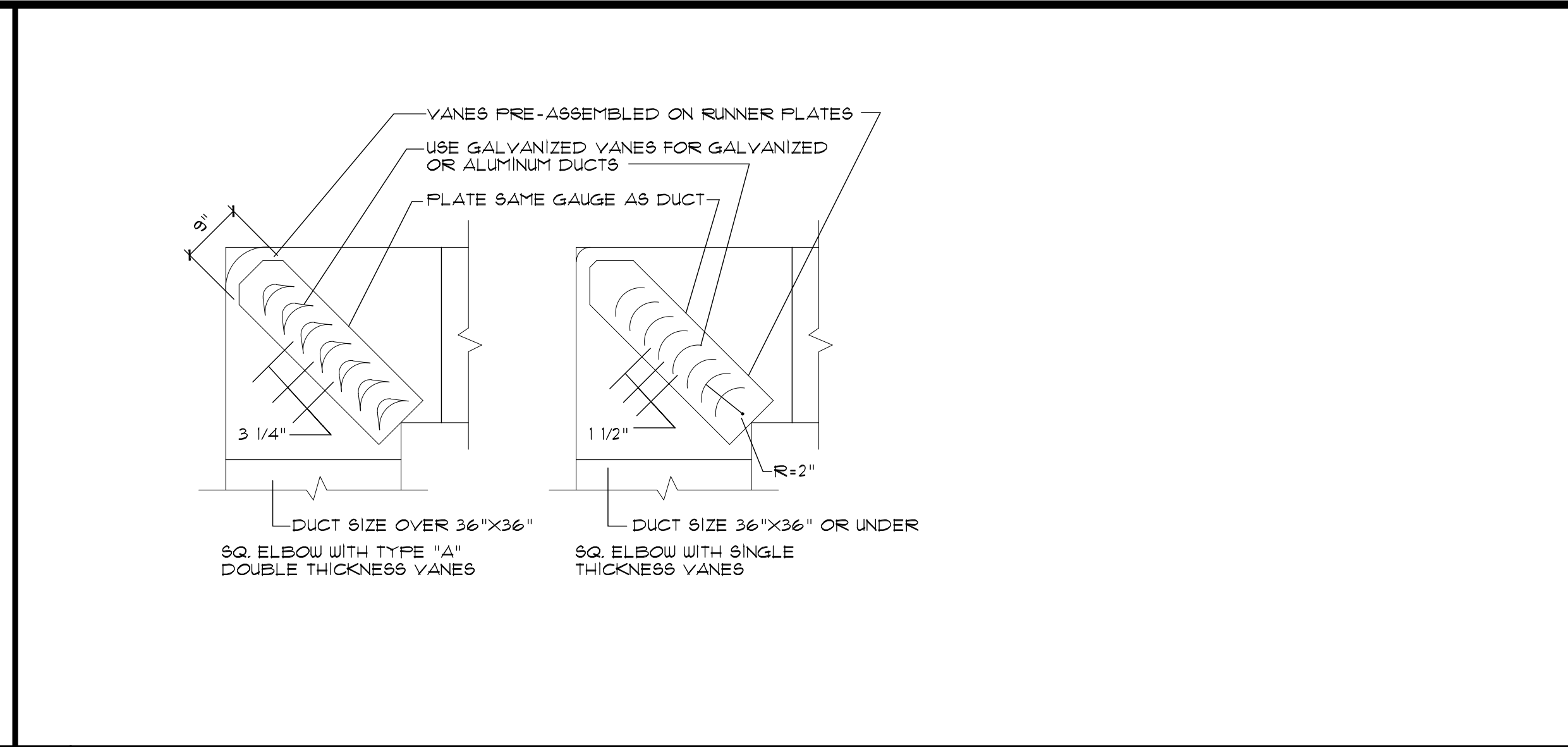
7 HVAC GENERAL NOTES AND SCHEDULES



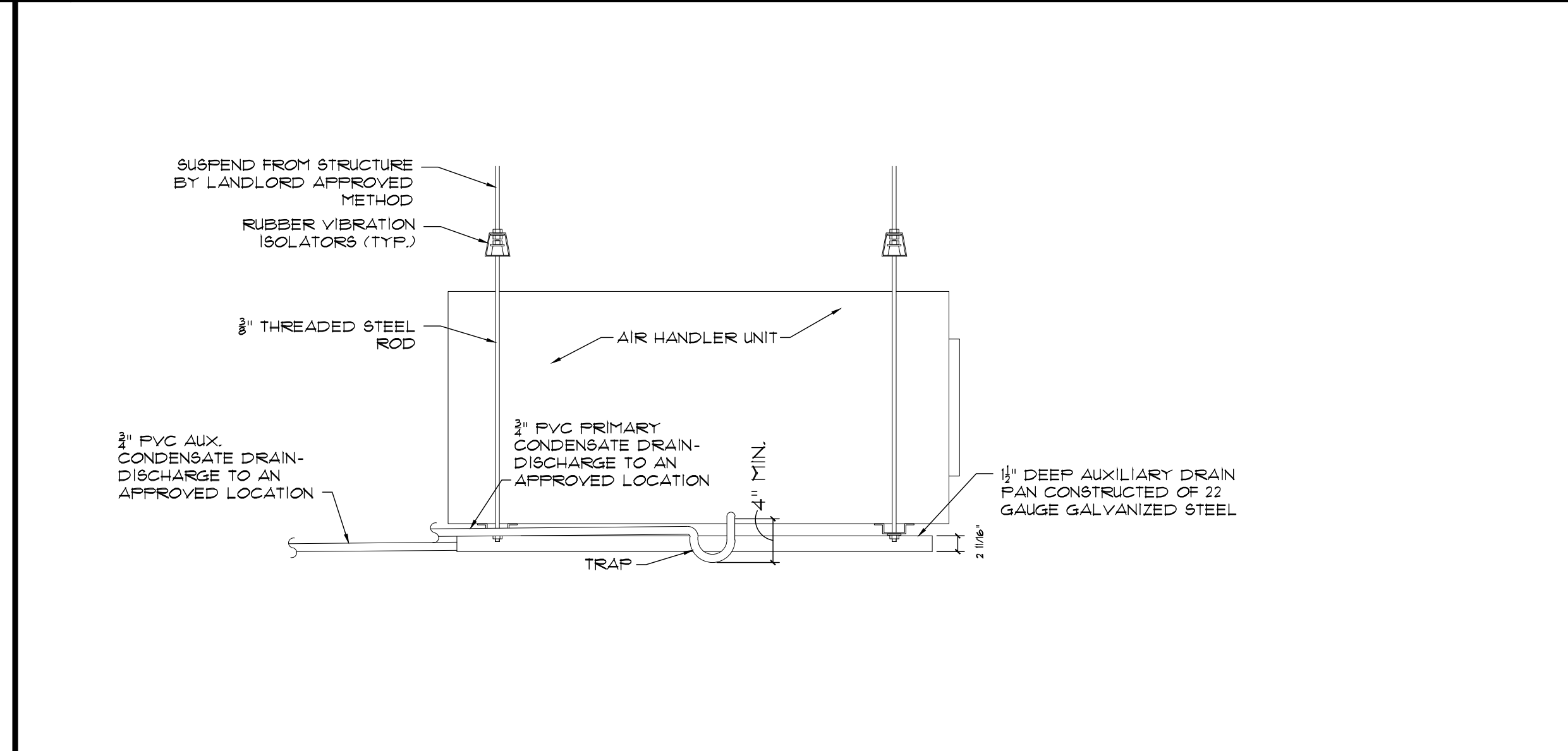
2 SMOKE DETECTOR DETAIL (NTS)



5 TYPICAL SQUARE DUCT TAKE-OFF DETAIL (NTS)



3 TURNING VANE DETAIL (NTS)



6 AHU SUSPENSION DETAIL (NTS)

HVAC UNIT SCHEDULE																												
GENERAL						AIRFLOW						COOLING (MBH)			HEATING (MBH)			ARI RATINGS			MOTOR		ELECTRICAL					
TAG	MANUF.	MODEL	SERVES	ACCESSORIES	WEIGHT	S.A.	E.S.P.	R.A.	O.A.	ENTERING DB	LEAVING DB	TOTAL	SENSIBLE	LATENT	TOTAL	SENSIBLE	SUPP. (KW)	SEER	EER	IPLV	HP	RPM	VOLTS	Ø	Hz	MCA	MOCP	
(CU-1)	TRANE	4TNA3048B3000A	CONDENSER	1,4,6,16	243 LB5.	N/A	N/A	N/A	N/A	N/A	N/A	48	-	-	48	-	-	13	-	-	N/A	N/A	208	3	60	18	30	
(CU-2)	TRANE	4TNA3048B3000A	CONDENSER	1,4,6,16	243 LB5.	N/A	N/A	N/A	N/A	N/A	N/A	48	-	-	48	-	-	13	-	-	N/A	N/A	208	3	60	18	30	
(CU-3)	TRANE	4TNA3048B3000A	CONDENSER	1,4,6,16	243 LB5.	N/A	N/A	N/A	N/A	N/A	N/A	48	-	-	48	-	-	13	-	-	N/A	N/A	208	3	60	18	30	
(AHU-1)	TRANE	6AM5B0C48M415B	AIR HANDLER	6,7,8	166 LB5.	1600	.05	1330	270	74.5	52.8	48	-	-	48	-	7.2	13	-	-	N/A	N/A	208	1	60	51	60	
(AHU-2)	TRANE	6AM5B0C48M415B	AIR HANDLER	6,7,8	166 LB5.	1600	.05	1330	270	74.5	52.8	48	-	-	48	-	7.2	13	-	-	N/A	N/A	208	1	60	51	60	
(AHU-3)	TRANE	6AM5B0C48M415B	AIR HANDLER	6,7,8	166 LB5.	1600	.05	1480	120	74.5	52.8	48	-	-	48	-	7.2	13	-	-	N/A	N/A	208	1	60	51	60	
(HE-1)	BROAN	B6LC	OUTSIDE AIR	6	170 LB5.	660	N/A	N/A	N/A	N/A	N/A	-	-	-	-	-	-	-	-	-	N/A	N/A	120	1	60	5.7	15	
ACCESSORIES: 1. FACTORY INSTALLED DISCONNECT SWITCH (SEE NOTE 4) 2. ECONOMIZER WITH DIFFERENTIAL ENTHALPY (SEE NOTE 5) 3. BAROMETRIC RELIEF 4. FIELD WIRE 120V 6FI CONVENIENCE OUTLET 5. 14" HIGH ROOF CURB 6. CONDENSATE DRAIN PIPING WITH TRAP 7. RETURN AIR SMOKE DETECTOR WITH REMOTE ANNUNCIATOR 8. 2" PLEATED FILTER(S) - MERV 7 MINIMUM 9. DRAIN PAN FLOAT SWITCH KIT 10. SUPPLY AIR TEMPERING/LOW LIMIT CONTROL												11. CO2 SENSOR FOR DCV - WALL MOUNTED 12. STAINLESS STEEL HEAT EXCHANGER (IF M.A. (W/45°F) 13. HUMIDITY CONTROL THE FOLLOWING ARE RECOMMENDED, BUT OPTIONAL TO THE OWNER: 14. EVAPORATOR COIL COATING < 5 MILES FROM SALT WATER SOURCE 15. CONDENSER COIL COATING < 15 MILES FROM SALT WATER SOURCE 16. PROVIDE OPTIONAL SNOW HOODS.										NOTES: 1. NO SUBSTITUTIONS PERMITTED 2. TO ORDER TRANE EQUIPMENT, CONTACT LAURI FRANKOWSKI AT 630-400-4285 OR lfrankowski@trane.com. 3. SOME ELECTRIC-ELECTRIC ROOFTOP UNITS DO NOT COME WITH A FACTORY-INSTALLED DISCONNECT SWITCH. PLEASE COORDINATE WITH FACTORY WHEN ORDERING. 4. MECHANICAL CONTRACTOR SHALL INSTALL SECONDARY ENTHALPY SENSOR IN RETURN AIR DUCT DROP & WIRE TO UNIT PER MANUFACTURER'S INSTRUCTIONS.						

FAN SCHEDULE							
MARK	CFM	S.P.	WATTS	AMPS	MANUFACTURER	MODEL	NOTES
EF-1	80	.1	282	.3	BROAN	AE80B	1
EF-2	80	.1	282	.3	BROAN	AE80B	1
1 EXHAUST FAN W/ INTEGRAL BACKDRAFT DAMPER							

BY SUBMISSIONS/REVISIONS DATE

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS
WERE PREPARED OR APPROVED BY ME, AND
THAT I AM A DULY LICENSED ARCHITECT
UNDER THE LAWS OF THE STATE OF MA
LICENSE NO. 7647
EXPIRATION DATE: 08/31/17

304 SOMERVILLE AVENUE
SOMERVILLE, MA. 02143

LIBERTY

CONSULTANTS:
AD+ASSOCIATES | 930 CARLETON STREET
INTERNATIONAL DESIGN CONSULTANTS | BERKELEY, CA 94710

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Architects, Incorporated

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Baltimore, Maryland 21201
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SOMERVILLE, MA. 02143

DRAWING NAME: HVAC DETAILS AND NOTES

DRAWN BY: CWB CHECKED BY: RCG DATE: 09/01/17

SCALE: AS NOTED PROJECT # 17WE04

PAGE # M-300.00

SCALE: NTS

PRELIMINARY SET 09/06/17

GENERAL NOTES AND ABBREVIATIONS

GENERAL NOTES

- GENERAL NOTES APPLY TO ALL DRAWINGS.
2. DO ALL WORK IN ACCORDANCE WITH ALL STATE AND LOCAL BUILDING CODES IN EFFECT AT PLACE AND TIME OF CONSTRUCTION.
3. PROVIDE SPECIAL INSPECTION AS REQUIRED BY STRUCTURAL SPECIFICATIONS.
4. CONSTRUCT THOSE FEATURES OF THE PROJECT, WHICH MAY NOT BE FULLY SHOWN, IN MANNER SIMILAR TO THAT USED FOR SIMILAR FEATURES.
5. OMISSION OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWING, NOTES AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND RESOLVED PRIOR TO PROCEEDING WITH THE WORK.
6. CONTRACTOR SHALL REVIEW THE NEED FOR TEMPORARY SHORING, CHEMICAL GROUTING OR UNDERPINNING PRIOR TO EXCAVATION. CONTRACTOR SHALL DESIGN AND INSTALL ALL TEMPORARY BRACING, ETC., REQUIRED DURING ALL STAGES OF WORK.
7. CONTRACTOR SHALL SUBMIT IN WRITING, ANY REQUEST FOR MODIFICATIONS TO THE PLANS AND SPECIFICATIONS. SHOP DRAWINGS SUBMITTED FOR REVIEW DO NOT CONSTITUTE "IN WRITING" UNLESS IT IS CLEARLY NOTED THAT SPECIFIC CHANGES ARE BEING REQUESTED.
8. ALL CONSTRUCTION WORK SHALL CONFORM TO 2012 IBC AND 2013 CBC.
9. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS OR STARTING CONSTRUCTION AND NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
10. RETURN TO ARCHITECTURAL DRAWINGS FOR LOCATION AND EXTENT OF OPENINGS AND PENETRATIONS. COORDINATE PENETRATIONS, NO NEW OPENING SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT.
11. REFER TO ARCH, MECH, AND ELECTRICAL DRAWINGS FOR LOCATION AND SIZE OF BLOCK OUT, INSERTS, OPENINGS, AND CURBS. DIMENSIONS ARE NOT SHOWN ON STRUCTURAL DRAWINGS.
12. GENERAL CONTRACTORS SHALL VERIFY WITH STRUCTURAL ENGINEER ALL MECH. UNIT LOCATIONS PRIOR TO INSTALLATIONS.
13. WHERE EXISTING FIREPROOFING IS TO BE DISTURBED TO ALLOW INSTALLATION OF NEW BRACING OR OTHER AS-BUILT CONSTRUCTION, CONTRACTOR SHALL REPLACE IN KIND AFTER ALL NEW CONSTRUCTION IS IN PLACE. ALL STEEL STRUCTURES MUST BE COVERED BY ADEQUATE F. R. MATERIAL OR MAINTAINED WITH SAME F. R. MATERIAL.
14. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY IF ANY DISCREPANCY AFFECTING STRUCTURAL WORK IS NOTED BETWEEN THE STRUCTURAL DRAWINGS AND ARCHITECTURAL OR MECHANICAL DRAWINGS.
15. CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR HIS REVIEW, SPECIFICATIONS, FOR ANY ITEM INTENDED TO BE USED AS A SUBSTITUTION FOR ITEMS SPECIFIED IN THESE DRAWINGS. CONTRACTOR SHALL NOT PROCEED UNTIL THE SUBSTITUTION HAS BEEN REVIEWED AND APPROVED BY THE ENGINEER.
16. IN ADDITION TO THIS DOCUMENT, THE CONTRACTOR SHALL COMPLY WITH GENERAL MALL CRITERIA HANDBOOK AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCY BETWEEN THE TWO DOCUMENTS PRIOR TO STARTING ANY WORK.
17. TENANT STRUCTURAL ADDITIONS AND MODIFICATIONS MUST BE REVISED AND APPROVED BY LANDLORD'S STRUCTURAL ENGINEER PRIOR TO START OF CONSTRUCTION. TENANT'S RESPONSIBLE FOR COST OF ALL APPROVED MODIFICATIONS.
18. DETAILS SHOWN SHALL BE INCORPORATED INTO THE PROJECT AT ALL APPROPRIATE LOCATIONS WHETHER SPECIFICALLY CALLED OUT OR NOT.
19. STRUCTURAL DRAWINGS HAVE BEEN COORDINATED WITH THE BASE BUILDING STRUCTURAL DRAWINGS IF ANY DISCREPANCIES OCCUR DUE TO AS-BUILT CONDITIONS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT & STRUCTURAL ENGINEER OF RECORD.

CONSTRUCTION LIABILITY

CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS AGREE THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR AND HIS SUBCONTRACTORS SHALL BE RESPONSIBLE FOR THE SAFETY OF THE PROJECT AND SHALL BE RESPONSIBLE FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS AGREEMENT SHALL NOT BE CONSIDERED A WAIVER OF ANY RIGHTS OR OBLIGATIONS, NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS FURTHER AGREE TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PROJECT, INCLUDING THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

GENERAL NOTES

CONVENTIONAL CONSTRUCTION PROVISIONS

THE REQUIREMENTS CONTAINED IN THIS SECTION ARE INTENDED FOR CONVENTIONAL, LIGHT FRAME CONSTRUCTION. OTHER METHODS MAY BE USED, PROVIDED A SATISFACTORY DESIGN IS SUBMITTED SHOWING COMPLIANCE WITH OTHER PROVISIONS OF THE 2015 IBC.

GIRDERS: GIRDER END JOINTS SHALL OCCUR OVER A SUPPORT. WHEN A GIRDER IS SPLICED OVER A SUPPORT, AN ADEQUATE TIE SHALL BE PROVIDED. THE END BEAMS OR GIRDERS SUPPORTED ON MASONRY OR CONCRETE SHALL NOT HAVE LESS THAN 3 INCHES OF BEARING.

BEARING: EXCEPT WHERE SUPPORTED ON A 1 INCH BY 4 INCH RIBBON STRIP AND NAILED TO THE ADJOINING STUD, THE ENDS OF EACH JOIST SHALL NOT HAVE LESS THAN 1 1/2 INCHES OF BEARING ON WOOD OR METAL, OR LESS THAN 3 INCHES ON MASONRY.

FRAMING DETAILS: JOISTS SHALL BE SUPPORTED Laterally AT THE ENDS AND AT EACH SUPPORT BY SOLID BLOCKING EXCEPT WHERE THE ENDS OF JOISTS ARE NAILED TO A HEADER, BAND OR RIM JOIST OR TO AN ADJOINING STUD OR BY OTHER APPROVED MEANS. SOLID BLOCKING SHALL NOT BE LESS THAN 2 INCHES IN THICKNESS AND THE FULL DEPTH OF JOIST.

NOTCHES SHALL NOT EXCEED ONE THIRD THE DEPTH OF THE JOIST, AND THE ON THE END DIAMETER OF ANY SUCH HOLE SHALL NOT EXCEED ONE THIRD THE OF JOISTS: DEPTH OF THE JOIST. NOTCHES IN THE TOP OR BOTTOM OF JOISTS SHALL NOT EXCEED ONE-SIXTH THE DEPTH AND BE LOCATED IN THE MIDDLE THIRD OF THE SPAN.

JOIST FRAMING: JOIST FRAMING INTO THE SIDES OF THE BEAM, GIRDER OR PARTITION SHALL BE LAPPED AT LEAST 3 INCHES OR THE OPPOSING JOISTS SHALL BE TIED TOGETHER IN AN APPROVED MANNER. JOISTS FRAMING INTO THE SIDE OF A WOOD GIRDER SHALL BE SUPPORTED BY FRAMING ANCHORS OR ON LEDGER STRIPS NOT LESS THAN 2 INCHES BY 2 INCHES.

FRAMING TRIMMER AND HEADER JOISTS SHALL BE DOUBLED, OR OF LUMBER OF
AROUND EQUIVALENT CROSS SECTION, WHEN THE SPAN OF THE HEADER EXCEEDS
OPENINGS: 4 FEET. THE ENDS OF HEADER JOISTS MORE THAN 6 FEET LONG SHALL BE
SUPPORTED BY FRAMING ANCHORS OR JOIST HANGERS UNLESS BEARING ON A BEAM, PARTITION OR WALL.

SUPPORTED BEARING PARTITIONS: BEARING PARTITIONS PERPENDICULAR TO JOISTS SHALL NOT BE OFFSET FROM SUPPORTED GIRDERS, WALLS OR PARTITIONS MORE THAN THE JOIST DEPTH. JOISTS UNDER AND PARALLEL TO BEARING PARTITION SHALL BE DOUBLED.

WALL FRAMING: FRAMING DETAILS: STUDS SHALL BE PLACED WITH THEIR WIDE DIMENSION PERPENDICULAR TO THE WALL. NOT LESS THAN THREE STUDS SHALL BE INSTALLATION EACH END CORNER OF AN EXTERIOR WALL.

EXTERIOR WALL STUD PARTITIONS SHALL BE CAPPED WITH DOUBLE TOP PLATES INSTALLED TO PROVIDE OVERLAPPING AT CORNERS AND AT INTERSECTIONS WITH OTHER PARTITIONS. END JOINTS IN DOUBLE TOP PLATES SHALL BE OFFSET AT LEAST 48 INCHES. STUD PARTITIONS CONTAINING PLUMBING, HEATING, OR OTHER PIPES SHALL BE SO FRAMED AND THE JOISTS UNDERNEATH SO SPACED AS TO PRECLUDE INTERFERENCE WITH THE PIPING. WHERE A PARTITION CONTAINING SUCH PIPING RUNS PARALLEL TO THE FLOOR JOISTS UNDERNEATH SUCH PARTITIONS SHALL BE DOUBLE AND SPACED TO PERMIT PASSAGE OF SUCH PIPES AND SHALL BE BRIDGED, WHERE PLUMBING OR HEATING PIPES ARE PLACED IN OR PARTLY IN A PARTITION, NECESSITATING THE CUTTING OF THE JOISTS OR PLATES. A PARTITION, 4 INCHES THICK, LESS THAN 1/8" THICK AND 1 1/2 INCHES WIDE SHALL BE FASTENED TO THE PLATE ACROSS AND TO EACH SIDE OF THE OPENING WITH NOT LESS THAN FOUR 10d NAILS.

ABBREVIATIONS

STANDARD SIERRA ENGINEERING GROUP STRUCTURAL ABBREVIATIONS

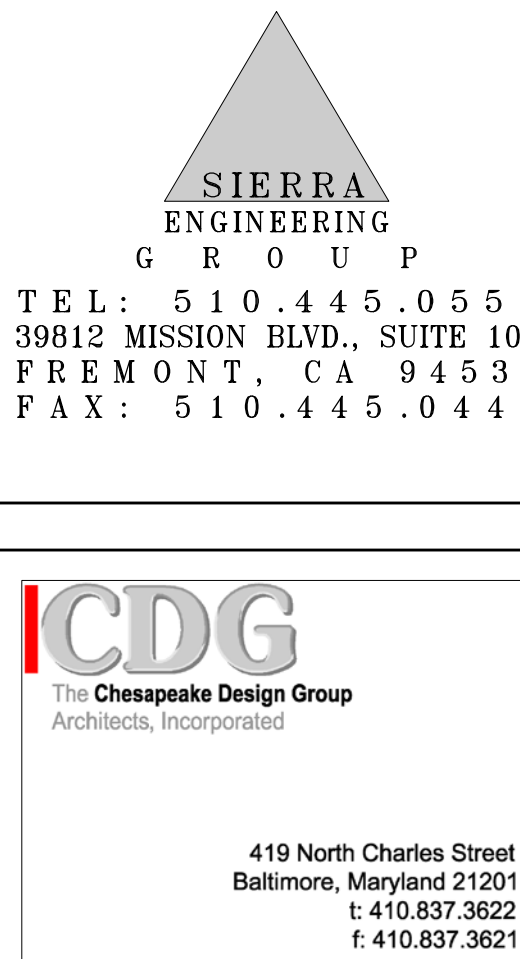
BBBR	ABBREVIATION	HD	HOLDOWN
AFB	ABOVE FINISH FLOOR	HORIZ	HORIZONTAL
ADD'L	ADDITIONAL	HDG	HOI DIPPED GALVANIZED
ALT	ALTERNATE	ID	INSIDE DIAMETER
ASB	ANCHOR BOLTS	MB	MACHINE BOLT
ARCH	ARCHITECTURAL	MFR	MANUFACTURER
ATTACH	ATTACHMENT	MATL	MATERIAL
BM	BEAM	MAX	MAXIMUM
BRG	BEARING	MECH	MECHANICAL
BTWN	BETWEEN	MTL	METAL
BULK'G	BLOCKING	ML	MICROLLAM
BOTT	BOTTOM	MIN	MINIMUM
B.O.	BOTTOM OF	NS	NEAR SIDE
CAMB	CAMBER	NSFS	NEAR SIDE AND FAR SIDE
CLG	CEILING	OC	ON CENTER
CHG	CHANGE	O W J	OPEN WEB JOIST
CLR	CLEARANCE	OPG	OPENING
COLL	COLLECTOR	OD	OUTSIDE DIAMETER
COL	COLUMN	O/F	OVER
CONC	CONCRETE	PARA	PARALLAM
CU	CONDENSING UNIT	FL	FLANGE
CONN	CONNECTION	PLYHD	PLYWOOD
CONT	CONTINUOUS	PT	POST TENSIONED/PRE-TENSIONED
DIP	DEEP	PT	PRESSURE TREATED
DIAG	DIAGONAL	PTDF	PRESSURE TREATED DOUGLAS FIR
DIA	DIAMETER	RFTFR	RAFTER
DIMEN	DIMENSION	REINF	REINFORCEMENT
DBL	DOUBLE	REQ'D	REQUIRED
DWG	DRAWING	RTU	ROOF TOP UNIT
DWG'S	DRAWINGS	SAD	SEE ARCH DRAWING
EA	EACH	SOS	SELF DRILLING SCREWS
ENH	ENH WAY	SHTG	SHOOTING
ENGL	ENGL NAILING	SHT	SHEET
ELEC	ELECTRICAL	SIM	SIMILAR
ELEV	ELEVATION	SOG	SLAB ON GRADE
EMBED	EMBEDMENT	STD	STANDARD
EQ	EQUAL	STL	STEEL
E/O	EXCEPT OTHER	STIFF	STIFFENER
(E)	EXISTING	STRNG'R	STRINGER
F	FAR SIDE	STRUCT	STRUCTURAL
FF	FINISH FLOOR		
FLR	FLOOR	T&G	TAPERED STEEL GIRDER
FLR JOIST	FLOOR JOIST	THRD'D	THREADED ROD
FTG	FOOTING	TG	TONGUE AND GROOVE
FND	FOUNDATION	T&B	TOP AND BOTTOM
FRM'G	FRAMING	T.O.	TOP OF
GALV	GALVANIZED	TS	TRUSS JOIST
GA	GAUGE	TS	TUBE STEEL
GDR	GIRDER	TYPC	TYPICAL
GLB	GLUE-LAM BEAM	UNO	UNLESS NOTED OTHERWISE
GMB	GYPSPM WALL BOARD	V/F	VERIFY-IN-FIELD
HGR	HANGER	VERT	VERTICAL
HDS	HEADED WELDED STUD	W&F	WELDED WIRE FABRIC
HDR	HEADER	W	WIDE FLANGE
HT	HEIGHT	W/	WITH
HS	HIGH STRENGTH	W/O	WITHOUT
H&B	HIGH STRENGTH BOLT		

SHEET INDEX:

S0.0	GENERAL NOTES & ABBREVIATIONS
S0.1	MATERIAL SPECIFICATIONS
S1.0	FLOOR FRAMING PLAN
S2.0	DETAILS

DESIGN CRITERIA

OCCUPANCY CATEGORY = II
FLOOR DEAD LOAD = 40 PSF
FLOOR LIVE LOAD = 100 PSF



Somerville
304 Somerville Ave
Somerville, MA 02143

ALL DRAWINGS AND WRITTEN MATERIAL HEREIN
CONSTITUTE ORIGINAL AND UNPUBLISHED WORK OF
THE ARCHITECT AND MAY NOT BE DUPLICATED,
USED OR DISCLOSED WITHOUT WRITTEN CONSENT
OF THE ARCHITECT.

[illegible]

PROJECT NUMBER

US 30 Liberty

DRAWN
HN

REVIEWED BY

SCALE
AS NOTED

GENERAL NOTES & ABBREVIATIONS

SHEET NUMBER

SO.0

PROPERTY OF AD ASSOCIATES - PLOT DATE: 8/24/2017 FILE: M:\SEC ARCHIVE\2017 Projects\17064.0 - Liberty Somerville\Struct\01_08-22-17\DWG\17064.DWG 1.dwg

MATERIAL SPECIFICATIONS

WOOD FRAMING

PLYWOOD
ALL PLYWOOD SHALL CONFORM TO U.S. PRODUCT STANDARD PS 1-95, AMERICAN PLYWOOD ASSOC. EACH SHEET SHALL BE STAMPED WITH THE PS AND/OR APA GRADEMARK.
ROOF PLYWOOD
SHALL BE 5 PLY EXPOSURE 1, (CDX), GROUP IDENTIFICATION INDEX 32/16, SPECIES GROUP 2 OR BETTER.
WALL PLYWOOD
SHALL BE 5 PLY EXPOSURE 1, (CDX), GROUP IDENTIFICATION INDEX 24/0, SPECIES GROUP 2 OR BETTER - DESIGNATED SHEAR PLY SHALL BE RATED "STRUCTURAL 1" FOR LENGTH SPECIFIED ON PLANS.
FLOOR PLYWOOD
SHALL BE 23/32 INCH THICK APA RATED SHEATHING, 48/24 SPAN RATING EXPOSURE 1, (CDX).

ALL PLYWOOD PERMANENTLY EXPOSED TO WEATHER SHALL BE EXTERIOR TYPE PLYWOOD VS8. INTERIOR TYPE PLYWOOD A8 REFERENCED ABOVE.

SAWN LUMBER
DOUGLAS FIR-LARCH, CONFORMING TO LUMBER INSPECTION BUREAU STANDARD GRADING AND DRESSING RULE NO. 11 AS AMENDED TO DATE INCLUDING SUPPLEMENTS VII & VIII.

MOISTURE CONTENT SHALL BE LESS THAN 15% FROM THE TIME OF INSTALLATION ONWARD.

1. 2x3x4x, PLATES, JOISTS, FURLINS, AND RAFTERS, NO. 2 (900F-b), PARA. 123-b UNLESS NOTED OTHERWISE ON THE DRAWINGS.
2. 2x3x4x, HEADERS AND BEAMS, NO. 1 (1000F-b), PARA. 123-BB, UNLESS NOTED OTHERWISE NOTED ON THE DRAWINGS.
3. 6x & LARGER BEAMS, DENSE NO. 1 (B50F-b), PARA. 130-BB. WHEN BEAM WIDTH IS NOT MORE THAN 2" GREATER THAN THICKNESS, THE MEMBER SHALL NOT CONFORM TO ITEM 1 BELOW.
4. 2x3x4x, LEDGERS, NO. 1 & BTR. (1000F-b), PARA. 123-b, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
5. 4x4 POSTS, NO. 2 (1350F-c), PARA. 124-b, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
6. 4x6 POSTS, NO. 2 (1350F-c), PARA. 123-b, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
7. 6x6 AND LARGER POSTS, NO. 1 (1200F-c), PARA. 131-bb WHEN POST WIDTH IS MORE THAN 2" GREATER THAN THICKNESS, THE MEMBER SHALL CONFORM TO ITEM 3 ABOVE.
8. 2x4, 3x4, STUDS, NAILERS, AND BLOCKING, CONSTRUCTION GRADE, (1000F-b), PARA. 122-b.
9. 2x6 OR LARGER STUDS AND BLOCKING, NO. 1 (1000F-b), PARA. 123-b.
10. FOUNDATION PLATES, PRESSURE TREATED DOUGLAS FIR, NO. 2 UNLESS NOTED OTHERWISE ON THE PLANS.
11. ALL FRAMING LUMBER 6" OR LARGER IN THE LEAST DIMENSION SHALL BE F.O.H.C.
12. REDWOOD SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE REDWOOD INSPECTION SERVICE, AS AMENDED TO DATE.

LIGHT GAGE METAL CONNECTORS
ALL LIGHT GAGE METAL CONNECTORS SHALL BE SIMPSON COMPANY STRONG TIE CONNECTORS, OR EQUAL, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

STRUCTURAL COMPOSITE LUMBER
COMPOSITE LUMBER SHALL BE IN CONFORMANCE WITH ASTM D5456 AND ICC-ES ESR 1381. MEMBERS SHALL BE IDENTIFIED BY A STAMP INDICATING THE PRODUCT TYPE AND GRADE, (CBO REPORT NUMBER, MANUFACTURER'S NAME, PLANT NUMBER, AND INSPECTION AGENCY'S LOGO).

1. PARALLAM F8L
a) 2.0E (2300F-b) TYP UNO

STRUCTURAL STEEL

GENERAL STRUCTURAL STEEL NOTES
REFERENCE: AISC STEEL MANUAL - 13TH EDITION

ALL MISC STRUCTURAL HARDWARE (I.E. PINS, CLEVISSES, SLEEVE NUTS, COUPLERS, TURNBUCKLES, ETC.) SHALL BE CAPABLE OF DEVELOPING THE CAPACITY (TENSION OR COMPRESSION) OF THE ATTACHING ENTITY.

WELDING AND TORCH CUTTING OF ALL MATERIALS, WITH F_y GREATER THAN 65KSI OR F_u GREATER THAN 98KSI, ARE NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM ENGINEER OF RECORD.

STRUCTURAL STEEL AND MISCELLANEOUS IRON
ROLLED W-SHAPE: ASTM A992, F_y=50KSI (TYP UNO)

ROLLED SHAPES INCLUDE W, M, S, HP, C, MC, AND L SHAPES.

ROLLED SHAPES (OTHER THAN W-SHAPE) & MISC PLATES: ASTM A36, F_y=36KSI (TYP UNO)

HIGH-STRENGTH LOW-ALLOY: (WHERE NOTED)
ROLLED SHAPES: ASTM A572, GRADE 50, F_y=50KSI
MISC PLATES (UP TO 4" THK): ASTM A572, GRADE 50, F_y=50KSI
MISC PLATES (4 1/8" TO 5" THK): ASTM A588, GRADE 46, F_y=46KSI
MISC PLATES (5 1/8" TO 8" THK): ASTM A588, GRADE 42, F_y=42KSI

CORROSION RESISTANCE HIGH-STRENGTH LOW-ALLOY: (WHERE NOTED)
ALL ROLLED SHAPES: ASTM A588, GRADE 50, F_y=50KSI
MISC PLATES (UP TO 4" THK): ASTM A588, GRADE 50, F_y=50KSI
MISC PLATES (4 1/8" TO 5" THK): ASTM A588, GRADE 46, F_y=46KSI
MISC PLATES (5 1/8" TO 8" THK): ASTM A588, GRADE 42, F_y=42KSI

ALL STRUCTURAL STEEL AND MISCELLANEOUS IRON SHALL BE MANUFACTURED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL AND MISCELLANEOUS IRON SHALL RECEIVE PRIME COAT. CODE APPROVED LICENSED FABRICATORS REQUIRED FOR STEEL WORKS PER 2015 IBC.

STEEL PIPE
ASTM A53, TYPES E OR S, GRADE B, F_y=35KSI (TYP UNO)

STRUCTURAL TUBING
ROUND H88: ASTM A500, GRADE B, F_y=42KSI (TYP UNO)

RECTANGULAR H88: ASTM A500, GRADE B, F_y=46KSI (TYP UNO)

CORROSION RESISTANCE: ASTM A847, F_y=50KSI (WHERE NOTED) (FOR RECTANGULAR & ROUND H88)

BOLTS
COMMON BOLTS: ASTM A307, GRADE A, F_u=60KSI (TYP UNO)

HIGH-STRENGTH BOLTS: ASTM A325-N (WHERE NOTED)
1/2" TO 1": F_u=120KSI
1 1/8" TO 1 1/2": F_u=105KSI

HIGH-STRENGTH BOLTS: ASTM A490 (WHERE NOTED)
1/2" TO 1 1/2": F_u=150KSI
INSTALL CIRCULAR HARDENED WASHER UNDER THE ELEMENT BEING TURNED.

ANCHOR RODS (HOOKED/HEADED/THREADED & NUTTED)
ASTM F1554, GRADE 36, F_y=36KSI (TYP UNO)

ASTM F1554, GRADE 55, F_y=55KSI (WHERE NOTED)

ASTM F1554, GRADE 105, F_y=105KSI (WHERE NOTED)

ALL GRADE 36 & 55 ANCHOR RODS SHALL CONFORM TO WELDABILITY SUPPLEMENT S1.

THREADED RODS
ASTM A36, F_y=36KSI (TYP UNO)

ASTM A449: (WHERE NOTED)
1/4" TO 1": F_u=120KSI
1 1/8" TO 1 1/2": F_u=105KSI
1 5/8" TO 3": F_u=90KSI

NUTS
ASTM A563
HEX NUT (TYP UNO)
HEAVY HEX (WHERE NOTED)

WASHER
ASTM F436

HEADED STUDS
HEADED STUDS SHALL BE NELSON STUD TYPE S3L AND H4L (TYP UNO)
H4L: 1/4" TO 5/8"
S3L: 3/4" TO 1 1/8"

WELDING
ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS PER AWS "STANDARD QUALIFICATIONS PROCEDURE" UNDER THE DIRECT SUPERVISION OF A REGISTERED DEPUTY INSPECTOR TO PERFORM THE TYPE OF WORK REQUIRED. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D11 WELDING CODE. ARC WELDING ELECTRODES SHALL BE AS FOLLOWS:

• CJP'S SHALL BE MILL CERTIFIED "CHARPY V-NOTCH" (20 FT-LB @ -20°F)

DESIGNATION	ELECTRODE
LIGHT GAUGE	E60XX
STRUCTURAL STEEL	E70XX
REBAR (A706)	E80XX

POST-INSTALLED MECHANICAL ANCHORS

EXPANSION ANCHORS
UNCRACKED MASONRY: EXPANSION ANCHORS SHALL BE HILTI KWIK BOLT III EXPANSION ANCHOR OR APPROVED EQUAL. ICC-ES ESR-1385.
CONCRETE OR CONCRETE OVER METAL DECK: EXPANSION ANCHORS SHALL BE HILTI KWIK BOLT TZ EXPANSION ANCHOR OR APPROVED EQUAL. ICC-ES ESR 1917.

EPOXY

EPOXY
EPOXY RESIN ADHESIVE SHALL BE "SET-XP" AS MANUFACTURED BY SIMPSON STRONG TIE. (ICC-ES ESR-2508). PROPORTIONS FOR SET-XP SHALL BE AS RECOMMENDED BY THE MANUFACTURER FOR THE CONDITION AND USE. PREPARATION OF CONCRETE INCLUDING DRILLING OF HOLES FOR ANCHORS, AS WELL AS EPOXY AND ANCHOR INSTALLATION SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

SUBMITTALS

SHOP DRAWINGS
FOR THE ENGINEERS REVIEW THE FOLLOWING WILL BE REQUIRED

1. REINFORCING STEEL
2. LAMINATED MEMBERS
3. STRUCTURAL STEEL AND MISCELLANEOUS METAL

CONTRACTOR SHALL SUBMIT TWO SETS OF PRINTS FOR REVIEW. FABRICATION SHALL NOT PROCEED NOR SUBMIT TO CITY OFFICIAL UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED AND STAMPED BY ENGINEER.

SHOP DRAWINGS
SUBMITTAL DOCUMENTS FOR THE ABOVE SHOP DRAWING LIST SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING.

THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

SPECIAL INSPECTION

SPECIAL INSPECTION
THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR FOR THE FOLLOWING ITEMS. (STRUCTURAL ENGINEER SHALL RECEIVE COPIES OF ALL SPECIAL INSPECTION REPORTS).

1. CONCRETE & REINFORCING PLACEMENT
2. WELDING PER SECTION 1704.
3. GEOTECHNICAL INSPECTION AS REQ'D BY REPORT/JOB
4. EPOXY INSTALLATION, AND HOLE PREPARATION

1. **CONCRETE**
DURING THE TAKING OF TEST SPECIMENS AND CONTINUOUSLY DURING THE PLACING OF ALL REINFORCED CONCRETE EXCEPT AS NOTED BELOW.

DURING THE TAKING OF TEST SPECIMENS AND PERIODICALLY DURING THE PLACING OF ALL REINFORCED CONCRETE FOR:
1. STUD BEARING WALLS (EXCLUDING PIERS & CAISSONS).
2. FOUNDATIONS WITH F_c EQUAL TO 2500 PSI OR LESS
3. NON-STRUCTURAL SLABS ON GRADE.

2. **WELDING**
ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS PER AWS "STANDARD QUALIFICATIONS PROCEDURE" TO PERFORM THE TYPE OF WORK REQUIRED. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS WELDING CODE. ARC WELDING ELECTRODES SHALL BE E70 SERIES.

ALL STRUCTURAL WELDING, INCLUDING WELDING OF REINFORCING STEEL, STEEL FABRICATOR SHALL PREPARE AND SUBMIT A WELDING PROCEDURE SPECIFICATION (WPS) WHICH SHALL LIST THE POSITION ELECTRODE TYPE WITH ACCEPTABLE RANGES, BEAD SIZE, WELD SEQUENCE, STRESS AND RELIEVING MANUFACTURER'S TECHNICAL DATA SHEET SHALL BE SUBMITTED WITH EACH WPS TO CONFIRM THE PERTINENT WELDING PARAMETERS.

3. **ADHESIVE ANCHORS**
DURING ALL ADHESIVE ANCHORING INSTALLATIONS. (EPOXY RESIN) DURING TESTING OF ADHESIVE ANCHORS IN REINFORCED MASONRY.

4. **REINFORCING STEEL**
PERIODICALLY, DURING THE PLACING OF REINFORCING STEEL FOR ALL CONCRETE REQUIRED TO HAVE CONTINUOUS SPECIAL INSPECTION.

5. **BOLTS INSTALLED IN CONCRETE**
DURING INSTALLATION OF BOLTS AND PLACING OF CONCRETE AROUND SUCH BOLTS NOTED ON THE DRAWINGS AS REQUIRING SPECIAL INSPECTION.

6. **HIGH STRENGTH BOLTING**
DURING ALL BOLT INSTALLATIONS AND TIGHTENING OPERATIONS. EXCEPTIONS

I) THE SPECIAL INSPECTOR NEED NOT BE PRESENT DURING THE ENTIRE INSTALLATION AND SPECIFICATIONS PRIOR TO START OF BOLTING.

II) INSPECTED THE SURFACES AND BOLT TYPE FOR CONFORMANCE TO PLANS AND SPECIFICATIONS PRIOR TO START OF BOLTING

AND WILL UPON COMPLETION OF ALL BOLTING, VERIFY THE MINIMUM SPECIFIED BOLT TENSION FOR 10 PERCENT OF THE BOLTS FOR EACH CONNECTION.

2. IN BEARING-TYPE CONNECTIONS WHEN THREADS ARE NOT REQUIRED BY DESIGN TO BE EXCLUDED FROM THE SHEAR PLANE, INSPECTION PRIOR TO OR DURING INSTALLATION WILL NOT BE REQUIRED.

7. **HORIZONTAL PLYWOOD DIAPHRAGMS**
PERIODICALLY, DURING THE INSTALLATION OF ANY DIAPHRAGM PORTION REQUIRING TWO ROW OR THREE ROW FASTENING, OR FASTENING 3" OC OR LESS.

SPECIAL INSPECTOR

SPECIAL INSPECTOR
THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE HIS COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL. FOR INSPECTION OF A CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR
THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPLICABLE DESIGN DRAWINGS AND SPECIFICATIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ENGINEER OR ARCHITECT OF RECORD, AND ANY OTHER DESIGNATED PERSONS ON A WEEKLY BASIS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND TO THE BUILDING OFFICIAL. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK, REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF HIS KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISION OF THIS CODE.

STRUCTURAL OBSERVATION

REQUIRED OBSERVATIONS BY STRUCTURAL ENGINEER OF RECORD:

FOUNDATION REINF - INCLUDING ALL ANCHOR BOLTS & HOLDOWNS.

ROUGH FRAMING - INCLUDING SHEATHING.

CONTRACTOR SHALL NOTIFY ENGINEER A MINIMUM OF 2 WORKING DAYS PRIOR TO THE TIME WHEN HIS PRESENCE IS REQUIRED. PLEASE NOTE THAT THESE OBSERVATIONS ARE INDEPENDENT OF INSPECTIONS REQUIRED BY THE CITY BUILDING DEPARTMENT.

INSPECTION NOTES

REFER TO SECTION 1704 OF 2015 IBC FOR AMPLIFICATION OF THE FOLLOWING REQUIREMENTS. ALL SPECIAL INSPECTORS MUST SUBMIT FINAL REPORTS.

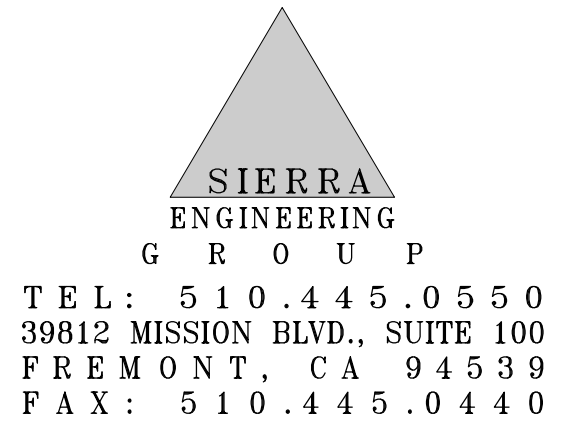
	SPECIAL INSPECTION REQUIRED		
	YES	NO	N/A
1. FOUNDATIONS:			
A. COMPACTED FILL INCLUDING UTILITY TRENCHES.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B. VISUAL EXAMINATION & APPROVAL OF ALL FOUNDATION EXCAVATIONS.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C. CONTINUOUS INSPECTION OF PILE DRIVING AND/OR CAISSONS.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. CONCRETE:			
A. CONTINUOUS INSPECTION & TEST CYLINDERS FOR CONCRETE OVER 2500 PSI.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B. DURING THE TAKING OF TEST SPECIMENS AND PLACING OF ALL SHOTCRETE.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. REINFORCING AND PRESTRESSING STEEL:			
A. PLACING OF REINFORCING.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B. PLACING OF TENDONS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C. SAMPLING & TESTING OF STEEL (MILL REPORTS & IDENTIFICATION OF STEEL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
D. CONTINUOUS INSPECTION OF INSTALLATION OF REBAR COUPLERS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
E. CONTINUOUS INSPECTION DURING STRESSING OF PT TENDONS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
F. FIELD MEASURED ELONGATION AND JACKING FORCE RECORDS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
G. GROUTING OF POST-TENSIONED CONCRETE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
H. POST-TENSIONED TENDON PROTECTIVE WRAPPING	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. MASONRY:			
A. SAMPLING & TESTING OF MASONRY	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B. SAMPLING & TESTING OF GROUT & MORTAR	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C. CONTINUOUS INSPECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
D. PERIODIC INSPECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. INSULATING CONCRETE FILL:			
A. TEST & INSPECTIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. WELDING:			
A. ALL STRUCTURAL FIELD WELDING (INCLUDES DECKING)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B. NON-DESTRUCTIVE TESTING OF MOMENT-RESISTING SPACE FRAMES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C. STRUCTURAL LIGHT GAGE METAL FRAMING	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. BOLTING:			
A. HIGH STRENGTH BOLTING	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B. EXPANSION BOLTS IN CONCRETE OR MASONRY	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. STRUCTURAL STEEL:			
A. MILL REPORTS & IDENTIFICATION OF STEEL (AFFIDAVIT OF COMPLIANCE)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B. SAMPLING & TESTING	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NOTE:

ALL TESTS & INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT INSPECTION AGENCY. JOB SITE VISITS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE AND ARE NOT A SUBSTITUTE FOR INSPECTION UNLESS THE STRUCTURAL ENGINEER IS CONTRACTED TO DO SO.

A COPY OF ALL TESTING AND INSPECTION REPORTS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL.

IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SEE THAT THESE TESTS AND INSPECTIONS ARE PERFORMED.



Somerville
304 Somerville Ave
Somerville, MA 02143

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PROJECT NUMBER
US 30 Liberty

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HN

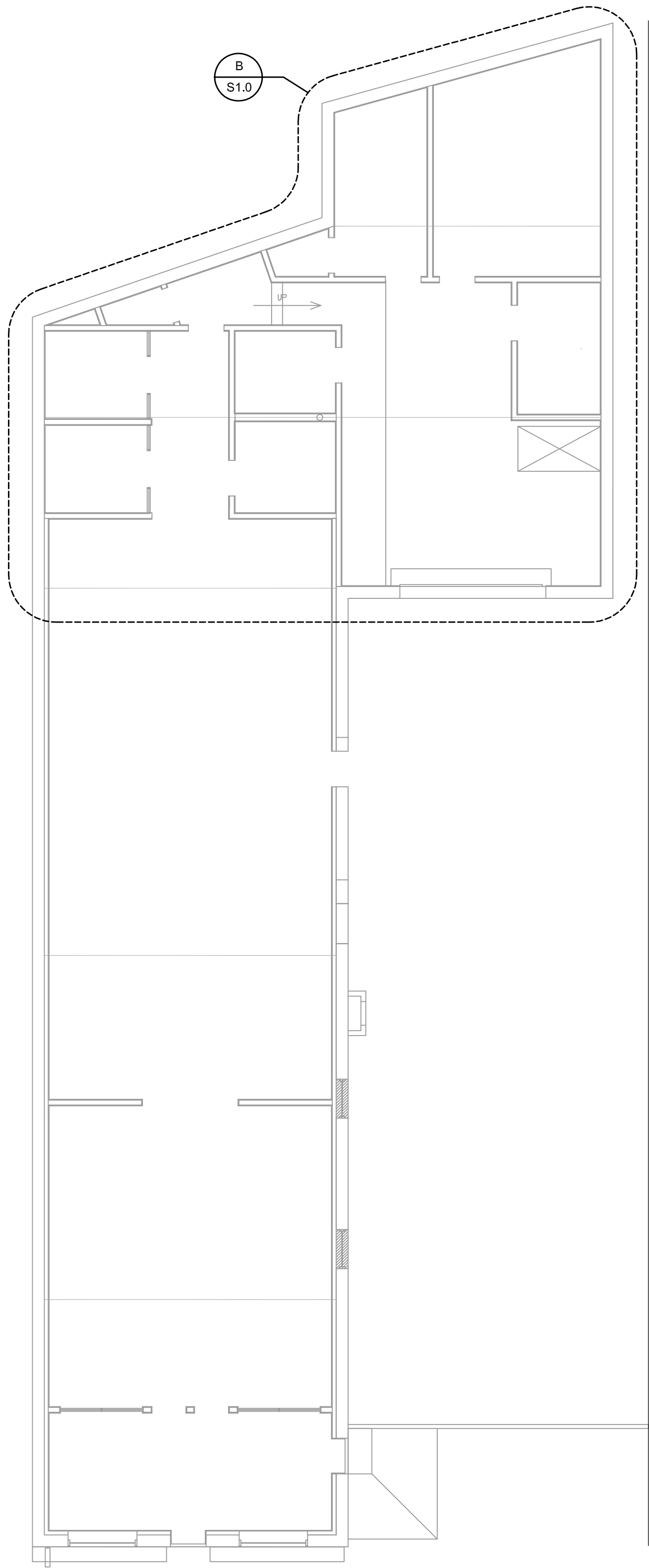
REVIEWED BY

SCALE
AS NOTED

SHEET TITLE
MATERIAL SPECIFICATIONS

SHEET NUMBER

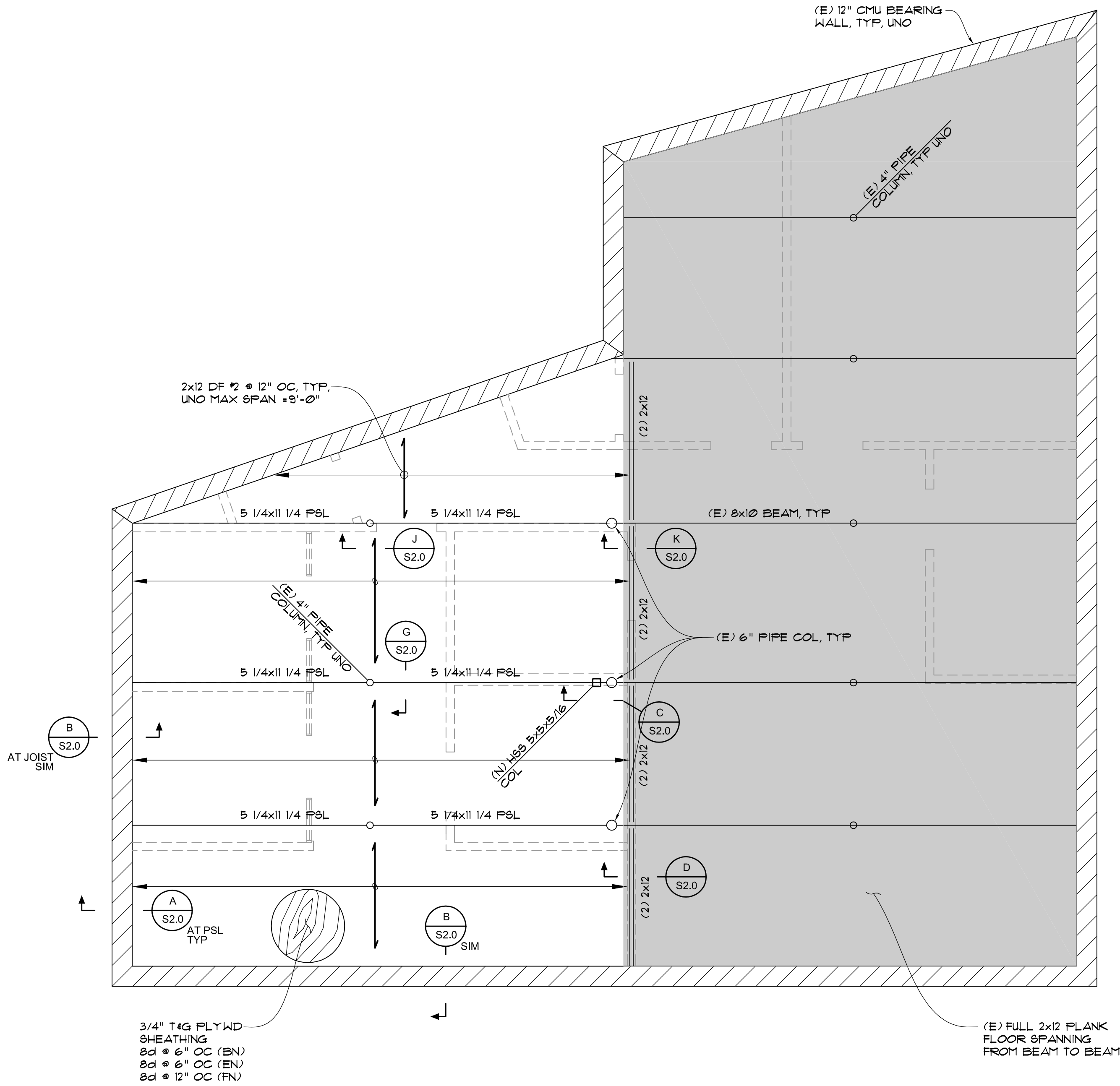
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FIRST FLOOR PLAN

1/8"=1'-0"

A
S1.0



ENLARGED PARTIAL FRAMING PLAN

1/4"=1'-0"

B
S1.0

NOTE:
SHADING DENOTES (E) FRAMING TO REMAIN

SIERRA
ENGINEERING
GROUP
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39812 MISSION BLVD., SUITE 100
FREMONT, CA 94539
FAX: 510.445.0440

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Architects, Incorporated
419 North Charles Street
Baltimore, Maryland 21201
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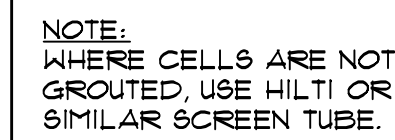
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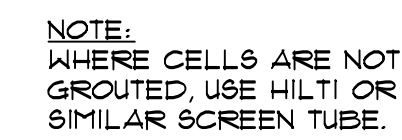
NO.	DATE	DESCRIPTION	BY

PROJECT NUMBER
US 30 Liberty
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HN
SCALE
AS NOTED
SHEET TITLE
FRAMING FLOOR PLAN

SHEET NUMBER
S1.0



SECTION A
1"=1'-0" S2.0



SECTION B
S2.0



SECTION D
1"=1'-0" S2.0



SECTION
1"=1'-0"



SECTION K
1"=1'-0" S2.0



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S2.0