

REHABILITATION OF EXISTING RESTAURANT

CODE MATRIX, NOTES, & SITEPLAN

- CODE NOTES:**
1. ALL WINDOWS WITHIN 18 INCHES OF THE FLOOR AND WITHIN 12 INCHES OF ANY DOOR ARE TO BE GLAZED WITH TEMPERED GLASS.
 2. SHOWER ENCLOSURES ARE TO BE GLAZED WITH TEMPERED GLASS.
 3. ALL SKYLIGHTS ARE TO BE GLAZED WITH SAFETY TEMPERED GLASS.
 4. ALL INTERIOR FINISHES TO BE A MINIMUM OF CLASS 1 (0-10, 25 F.S.R.).
 5. PROVIDE A HARDWIRED SMOKE DETECTOR AT THE TOP OF EACH STAIRWELL.
 6. PROVIDE A HARDWIRED CARBON MONOXIDE DETECTOR AT LEAST ONE ON EACH LEVEL, AND ONE IN THE ROOM CONTAINING THE SERVICE AREA.
 7. NO OPEN CUT OF VILLAGE STREETS ALLOWED - NO OPEN SWARTH SERVICE.
 8. PROVIDE FRESH AIR INTAKE TO STORM WATER TO ADJACENT PROPERTIES.
 9. PROVIDE FRESH AIR INTAKE TO STORM WATER TO ADJACENT PROPERTIES.
 10. PROVIDE FRESH AIR INTAKE TO STORM WATER TO ADJACENT PROPERTIES.

- NOTICE TO CONTRACTORS:**
1. THE CONTRACT DOCUMENTS FOR THIS PROJECT INCLUDE AN OWNER-CONTRACTOR AGREEMENT (AN EXECUTED AGREEMENT) PREPARED BY THE ARCHITECT. THE CONTRACTOR SHALL REVIEW AND SIGN THESE DOCUMENTS BEFORE THE WORK BEGINS. THE ARCHITECT IS PROVIDING A "PLANS ONLY" SERVICE. NO CONTRACTOR SHALL BE RESPONSIBLE FOR ANY OMISSIONS OR ERRORS IN THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

- GENERAL NOTES:**
1. VERIFY ALL DIMENSIONS IN FIELD.
 2. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALE.
 3. DO NOT SCALE DRAWINGS.
 4. EXTERIOR DIMENSIONS ARE TO THE FACE OF A WALL UNLESS NOTED OTHERWISE.
 5. EXTERIOR DIMENSIONS ARE TO THE FACE OF MASONRY UNLESS NOTED OTHERWISE.
 6. EXTERIOR DIMENSIONS OF FRAME WALLS ARE TO FACE OF MASONRY UNLESS NOTED OTHERWISE.
 7. ALL MATERIALS AND EQUIPMENT MUST BE INSTALLED IN COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ALL DEBRIS GENERATED BY THE WORK. CLEAN UP IS REQUIRED ON A DAILY BASIS. DISPOSE MATERIALS AND LABOR IN WRITING FOR A MINIMUM OF ONE (1) YEAR AGAINST ALL DEFECTS OF MATERIALS, EQUIPMENT AND WORKMANSHIP.

- STRUCTURAL DESIGN CRITERIA:**
1. UPLIFT LOADS - SPSF TOTAL LOAD - SPSF AND/OR PORCH MUST BE DESIGNED TO RESIST A SIMULTANEOUS VERTICAL AND HORIZONTAL WIND LOAD OF 200 PSF AND A 200 PSF LOAD AT ANY LOCATION ALONG THE BALCONY.
 2. STAIRWAY & BALCONY RAILINGS (EXTERIOR & INTERIOR) MUST BE DESIGNED TO RESIST A SIMULTANEOUS VERTICAL AND HORIZONTAL WIND LOAD OF 200 PSF AND A 200 PSF LOAD AT ANY LOCATION ALONG THE BALCONY.
 3. PORCH, DECK AND BALCONY LIVE LOAD 100 PSF. DEAD LOAD 5 PSF.
 4. FLOOR-SF LIVE LOAD - 40PSF. DEAD LOAD - 10PSF. -- TOTAL LOAD - 50PSF.
 5. FLOOR-SF LIVE LOAD - 40PSF. DEAD LOAD - 10PSF. -- TOTAL LOAD - 50PSF.

- CARPENTRY NOTES:**
1. INSTALL DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS AND OTHER PARTITIONS WITHIN 12" OF PARTITION LINE.
 2. PROVIDE 2" MINIMUM CLEARANCE UNDER PARTITIONS UNLESS NOTED OTHERWISE.
 3. PROVIDE GALVANIZED SHEET METAL DRIP CAPS AT ALL PARTITIONS.
 4. INSTALL DOUBLE FRAMING AROUND ALL FLOOR OR ROOF OPENINGS OR AS INDICATED, INCLUDING STAIRS OPENINGS.
 5. DO NOT CUT OR DRILL THROUGH THE BOTTOM THIRD OF ANY BEAM OR JOIST.
 6. FLOOR JOISTS MUST BE CONDUCTED BEFORE COVERING WITH SHEATHING.

- CONCRETE AND FOUNDATIONS:**
1. ALL CONCRETE WORK MUST CONFORM TO ACI 318, STANDARD BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, LATEST EDITION.
 2. CONCRETE MUST HAVE A STRENGTH OF $F_c = 3,500\text{psi}$ AT 28 DAYS.
 3. AT THE DISCRETION OF THE CONTRACTOR, HIGH EARLY STRENGTH CONCRETE MAY BE USED PROVIDED THAT THE MINIMUM STRENGTH OF 3,500psi AT 28 DAYS IS MAINTAINED.
 4. CONCRETE MUST BE VIBRATED IMMEDIATELY AFTER PLACING. DO NOT USE COMPACTORS TO WEATHER OR POURED AGAINST THE GROUND UNLESS SPECIFICALLY NOTED OTHERWISE.
 5. FORMS ARE TO BE DESIGNED FOR 3000psi SOIL BEARING CAPACITY. OR FORMS ARE TO BE DESIGNED FOR 3000psi SOIL BEARING CAPACITY. OR FORMS ARE TO BE DESIGNED FOR 3000psi SOIL BEARING CAPACITY.
 6. FORMS MAY BE RE-USED AS OFTEN AS PRACTICABLE.
 7. DO NOT PLACE CONCRETE UNTIL ALL CONDUITS, PIPING OR OTHER MECHANICAL PIPING UNDER SLABS MUST BE ENCASED BY A MINIMUM OF 6 INCHES OF CONCRETE.
 8. MECHANICAL PIPING UNDER SLABS MUST BE ENCASED BY A MINIMUM OF 6 INCHES OF CONCRETE.
 9. CONCRETE JOINTS, WHERE SHOWN MUST BE FULL DEPTH THICKNESS JOINTS.
 10. REINFORCING STEEL SHALL BE BROOM FINISHED.
 11. REINFORCING STEEL SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A603 OR A601.
 12. WELDED WIRE FABRIC (WFF) MUST CONFORM TO ASTM A185 GRADE 60 OR HIGHER.
 13. WELDED WIRE FABRIC (WFF) MUST CONFORM TO ASTM A185 GRADE 60 OR HIGHER.
 14. WELDED WIRE FABRIC (WFF) MUST CONFORM TO ASTM A185 GRADE 60 OR HIGHER.
 15. SUBMIT SHOP DRAWINGS FOR ALL REINFORCED CONCRETE WORK FOR REVIEW.
 16. ALL REINFORCED CONCRETE WORK SHALL CONFORM TO ACI MANUAL OF PRACTICE AND DETAILING METHODS.
 17. ALL CONCRETE MUST BE TESTED FOR COMPRESSION STRENGTH. STANDARD TEST SPECIMENS MUST BE PERFORMED BY AN INDEPENDENT TESTING AGENCY AT THE CONTRACTOR'S EXPENSE. SUBMIT A COPY OF TEST REPORT TO THE OWNER AND ARCHITECT.
 18. ALL CONCRETE MUST BE TESTED FOR COMPRESSION STRENGTH. STANDARD TEST SPECIMENS MUST BE PERFORMED BY AN INDEPENDENT TESTING AGENCY AT THE CONTRACTOR'S EXPENSE. SUBMIT A COPY OF TEST REPORT TO THE OWNER AND ARCHITECT.
 19. ALL CONCRETE MUST BE TESTED FOR COMPRESSION STRENGTH. STANDARD TEST SPECIMENS MUST BE PERFORMED BY AN INDEPENDENT TESTING AGENCY AT THE CONTRACTOR'S EXPENSE. SUBMIT A COPY OF TEST REPORT TO THE OWNER AND ARCHITECT.

- SCOPE OF WORK:**
1. REHABILITATE EXISTING 2 STORY
 2. EXISTING INTERIOR WALLS AND CEILING FINISHES MAKE
 3. AND INSTALL NEW WALL, FLOOR AND CEILING FINISHES.
 4. INSTALL NEW PLUMBING SUPPLY AND WASTE PIPING.
 5. INSTALL NEW HEATING SYSTEMS AND ASSOCIATED DUCTWORK AND VENTS.
 6. INSTALL NEW ELECTRICAL SUPPLY SYSTEM INCLUDING PANEL, WIRING AND RECEPTACLES.
 7. INSTALL NEW CABINET IN AND BATHS
 8. INSTALL NEW CONCRETE RAMP AND FLAT WORK TO EXISTING TERRACE.

- INDEX OF DRAWINGS:**
- T1 NOTES & SITE PLAN
 - D1 DEMOLITION PLANS, SECTION & NOTES
 - A1 ACCESSIBILITY DETAILS AND NOTES
 - A2 PROPOSED FLOOR PLANS, SCHEDULES & NOTES
 - A3 PROPOSED FLOOR PLANS AND DETAILS
 - A4 PROPOSED SECTION AND ELEVATION
 - M1 PLUMBING DIAGRAMS & NOTES
 - M2 MECHANICAL DIAGRAMS, CALCULATIONS & DETAILS
 - E1 ELECTRICAL PLANS, NOTES & DIAGRAMS

- CERTIFICATION STATEMENT:**
- I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY PROFESSIONAL KNOWLEDGE THEY CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, 2009 EDITION.
- SIGNED: _____ DATE: _____
EXPIRATION DATE: 11-30-14

- ENERGY CONSERVATION CODE COMPLIANCE STATEMENT:**
- I CERTIFY THAT I AM A REGISTERED ENERGY PROFESSIONAL (REP) AND I ALSO CERTIFY THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF THAT THE PLANS FOR 117 NORTH AVE. BARRINGTON, IL FULLY COMPLY WITH THE REQUIREMENTS OF INTERNATIONAL ENERGY CONSERVATION CODE (2009).
- SIGNED: _____ DATE: _____
EXPIRATION DATE: 11-30-14

- REVISIONS:**
- | NO. | DATE | DESCRIPTION |
|-----|-------------|-------------|
| 1 | 8-15-2013 | 17NORTHAVE |
| 2 | 1/16"=1'-0" | SCALE |
| 3 | 12-03-12 | DATE |

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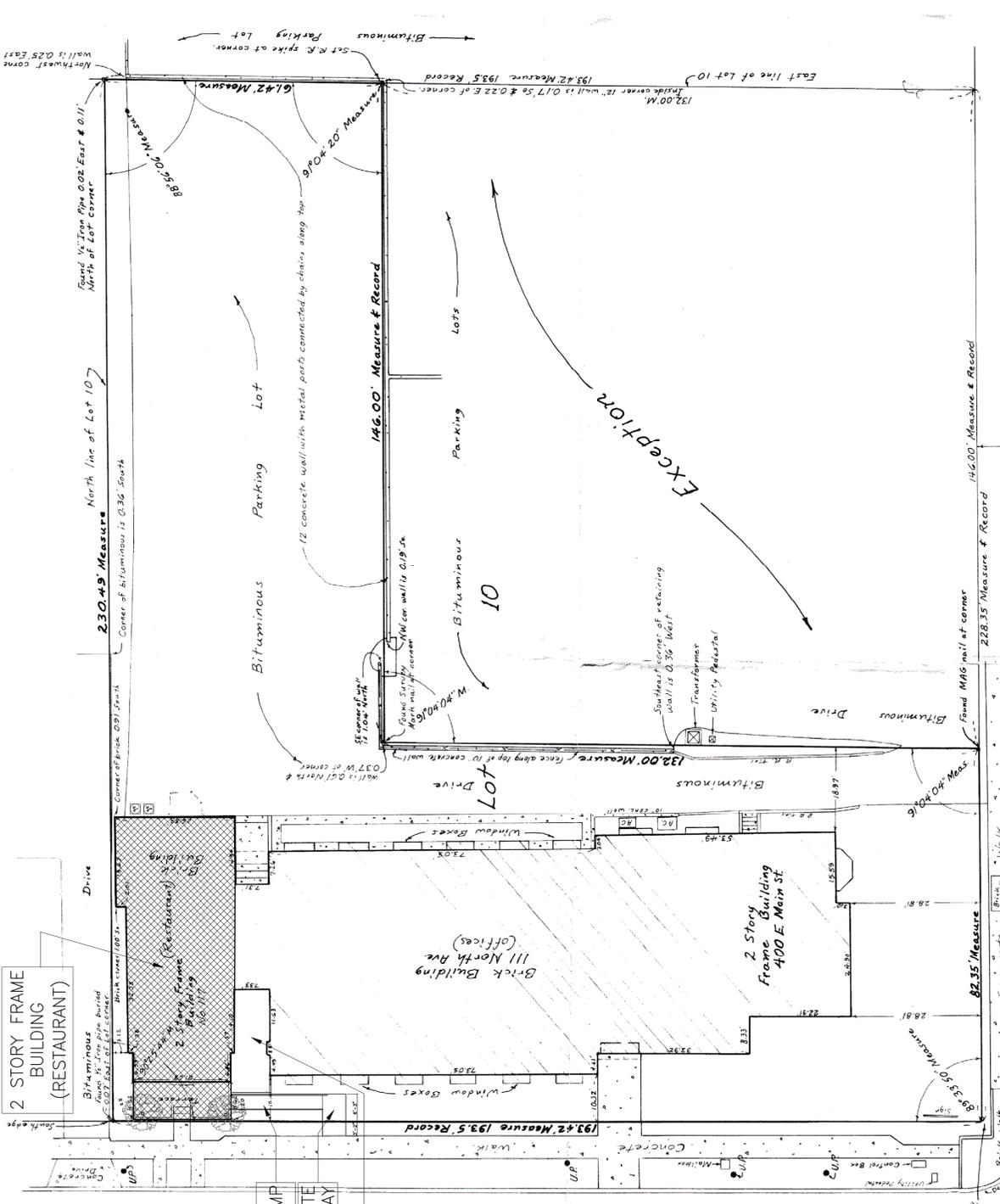
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SITE PLAN
SCALE: 1/16"=1'-0"

LEGEND:

- WORK AFFECTED STRUCTURE
- WORK AFFECTED STRUCTURE
- PROPERTY LINE
- TREE

ARCHITECTS
ARCHITECTURE
ARCHITECTURAL ENGINEERING

929 N. Damen Ave.
Chicago, IL 60622
773.772.2745
773.772.2854 fax

REVISIONS:

NO.	DATE	DESCRIPTION
1	8-15-2013	17NORTHAVE
2	1/16"=1'-0"	SCALE
3	12-03-12	DATE

PROJECT: 17NORTHAVE
SCALE: 1/16"=1'-0"
DATE: 12-03-12

DRAWN BY: A.J.M.
SHEET: T1
1 OF 10

REVISIONS:

DRAWN BY:
AJ

DEMOLITION PLANS & NOTES

117 NORTH AVE. BARRINGTON, IL

929 N. Damen Ave.
Chicago IL 60622
773 772 2756 office
773 772 2854 fax



ARCHITECTURE
PLANNING
ARCHITECTURAL ENGINEERING

PROJECT: 17NORTH
SCALE: 1/4" = 1'-0"
DATE: 12-03-12
VARIES

D1

2 OF 10

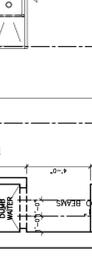
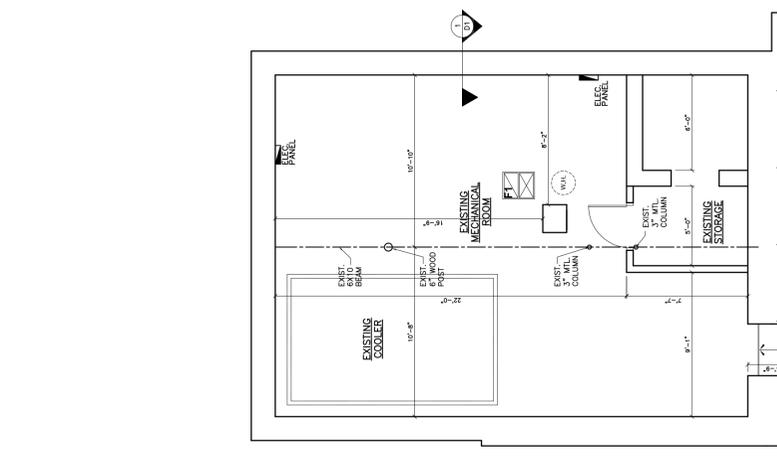
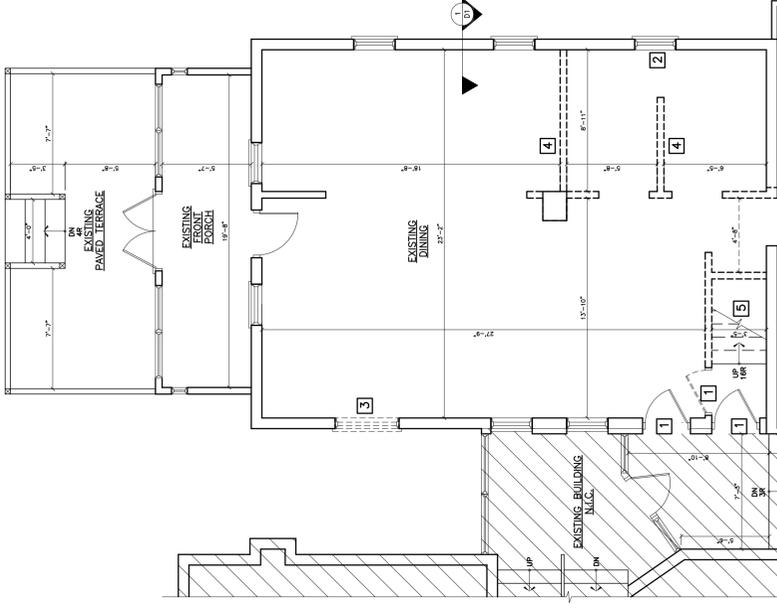
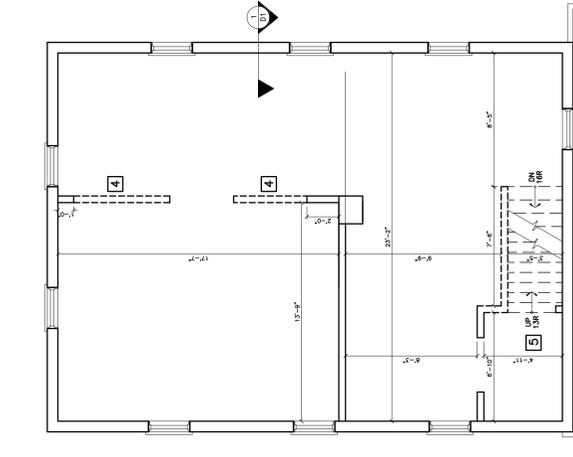
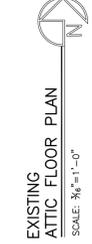
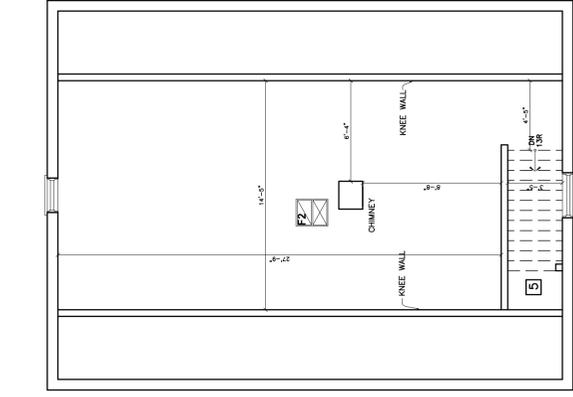
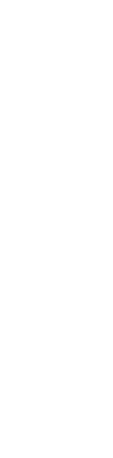
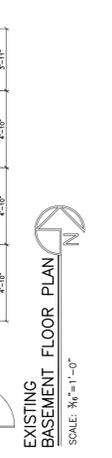
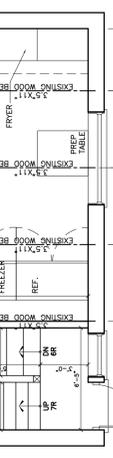
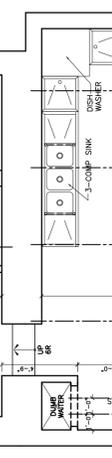
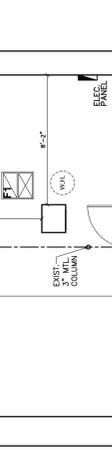
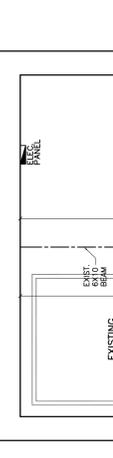
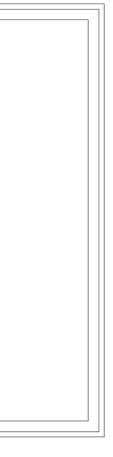
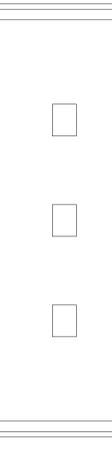
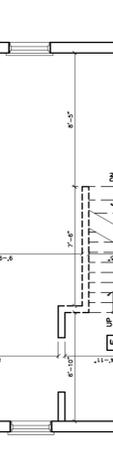
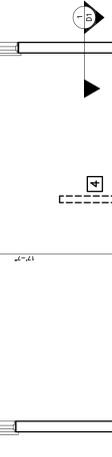
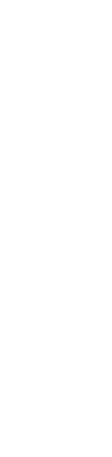
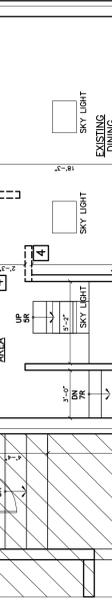
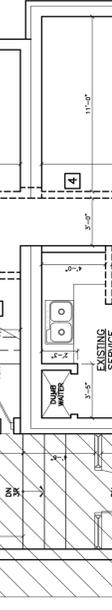
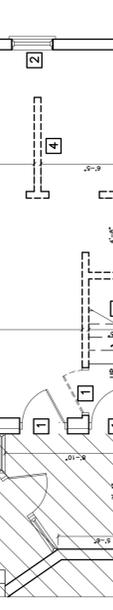
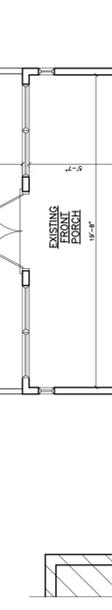
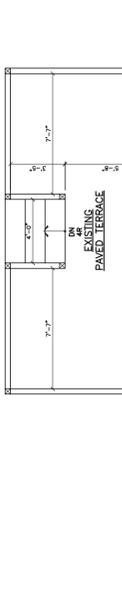
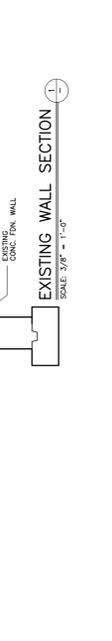
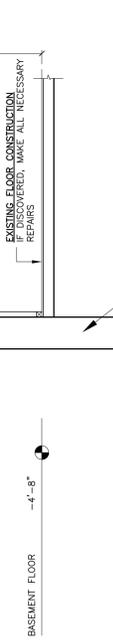
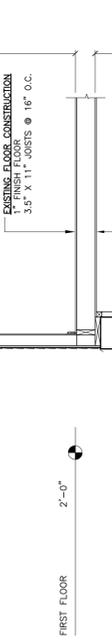
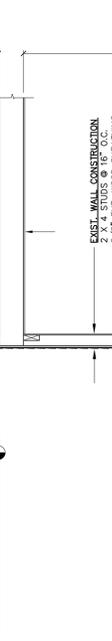
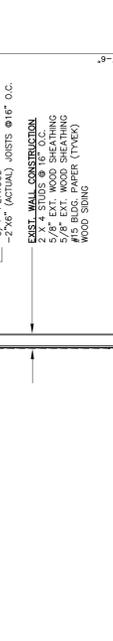
- CONTRACTOR NOTES:**
1. REMOVE ALL EXISTING PLASTER ON INTERIOR & EXTERIOR WALLS AND CEILING.
 2. REMOVE ALL INTERIOR & EXTERIOR DOOR AND WINDOW CASINGS, TRIM, OUTLETS, SWITCHES, AND FIXTURES.
 3. REMOVE ALL ELECTRICAL, MECHANICAL EQUIPMENT & ASSOCIATED PARAPHERNALIA.
 4. REMOVE ALL EXISTING PLUMBING FIXTURES AND TOILETS.
 5. REMOVE ALL EXISTING CABINETS, STOVES & REFRIGERATORS.

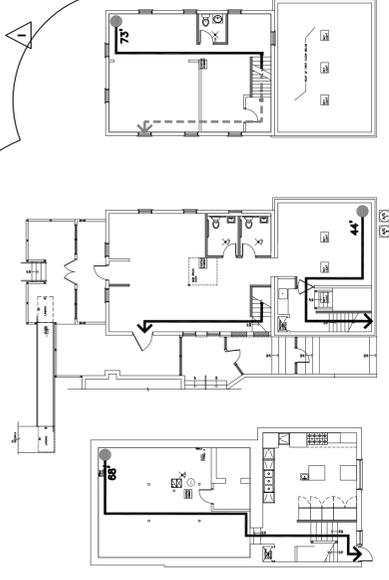
- DEMOLITION KEYS**
- SEE #F SHEETS FOR DIMENSIONS
- 1 REMOVE EXIST. DOOR, INFILL OPENING TO MATCH EXISTING
 - 2 REMOVE EXIST. WINDOW INFILL OPENING TO MATCH EXISTING BRICK
 - 3 REMOVE EXIST. WINDOW BY GIVEN DIMENSION PREPARE FOR NEW DOOR INSTALLATION.
 - 4 DEMOLISH EXIST. PARTITION
 - 5 DEMOLISH EXIST. STAIRS PREPARE TOP TO BOTTOM

- LEGEND**
- WALLS / PARTITION TO REMAIN
 - WALL / PARTITION TO BE DEMOLISHED
 - ELEMENT TO BE DEMOLISHED

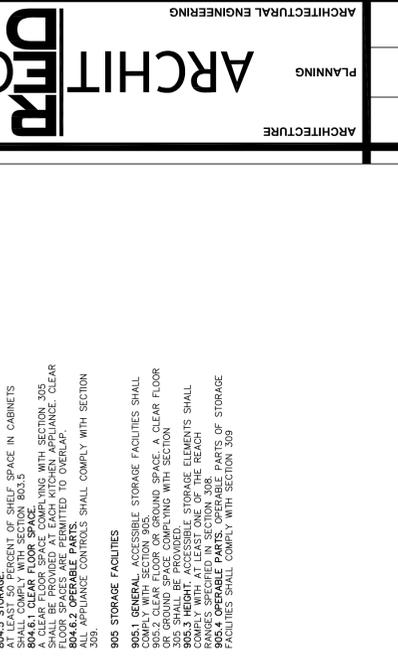
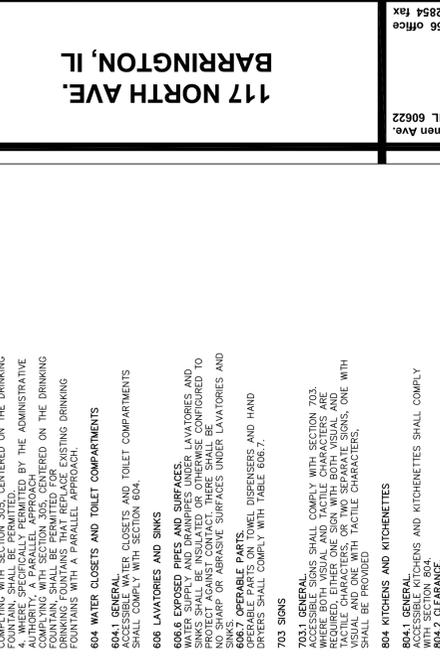
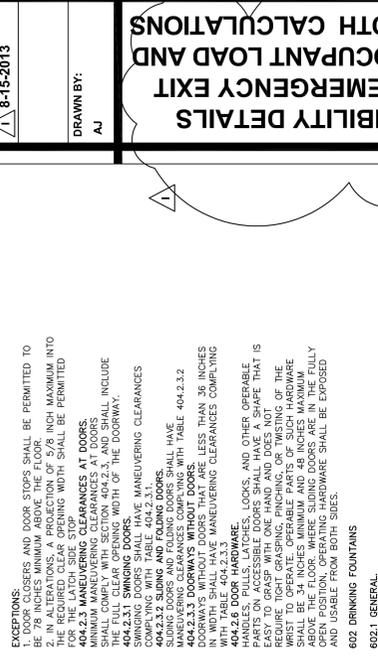
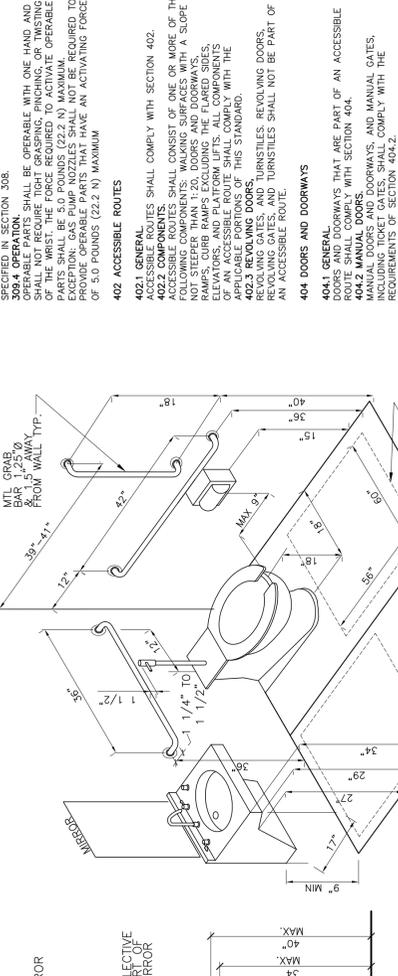
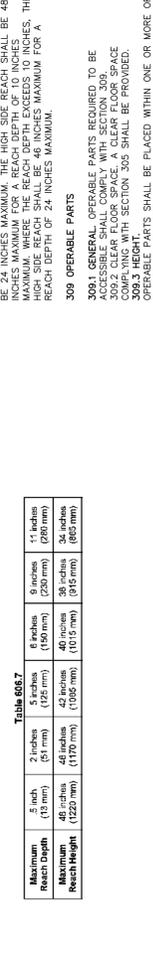
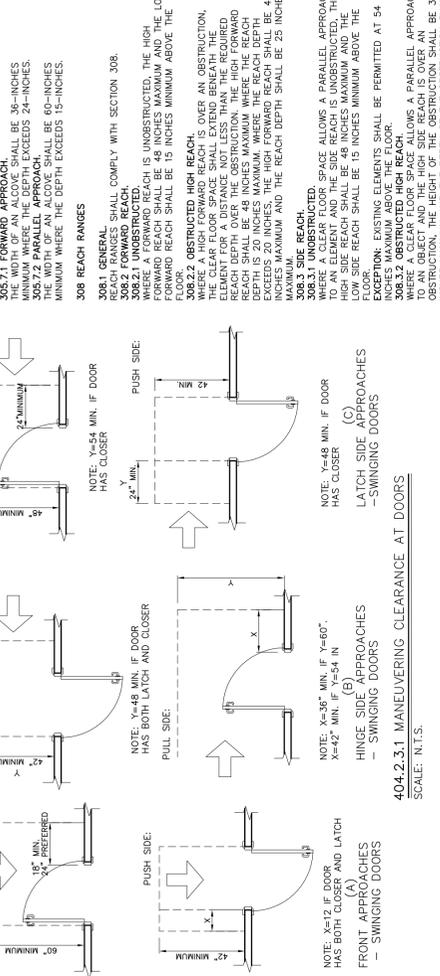
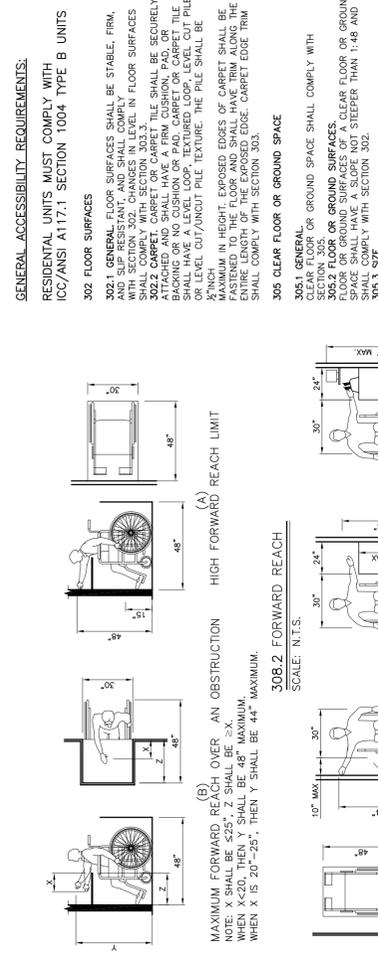
FIELD VERIFICATION
VERIFY ALL PROVIDED DIMENSIONS AND CONDITIONS AT THE JOB SITE AND NOTIFY THE ARCHITECT OF ANY DIMENSIONAL ERRORS, OMISSIONS OR CONFLICTS PRIOR TO BEGINNING OF FABRICATING ANY WORK.
DO NOT SCALE THESE DRAWINGS

ROOF PEAK 29'-0"





OCCUPANT LOAD AND EGRESS WIDTH	
DINING AREA 1 (PER TABLE 1004.1.1) UNCONCENTRATED - 507 SF/15 =	33 PERSONS
DINING AREA 2 (PER TABLE 1004.1.1) UNCONCENTRATED - 290 SF/15 =	19 PERSONS
DINING AREA 3 (PER TABLE 1004.1.1) UNCONCENTRATED - 404 SF/15 =	27 PERSONS
KITCHEN (PER TABLE 1004.1.1) KITCHEN - 312 SF/200 =	2 PERSONS
TOTAL	81 PERSONS
ACCESSIBILITY SEATING DINING AREA	79 PERSONS
- 5% OF 79 = 3.9 --- 5 PROVIDED	
EGRESS (PER 1005.1)	
0.2" PER OCCUPANT =	
0.2" X 81 = 16.2" REQUIRED -- 120" PROVIDED	
PLUMBING FIXTURES (PER TABLE 2902.1)	
OCCUPANCY A-2 RESTAURANT	
81 PEOPLE / 2 = 40 MALE & 41 FEMALE REQUIRED-	PROVIDED-
WATER CLOSETS (1 PER 75)	M F M F 1 1 1 2
LAVATORIES (1 PER 200)	M F M F 1 1 1 2



EXCEPTIONS:
 1. OPERABLE PARTS OF DOORS SHALL BE PERMITTED TO BE 78 INCHES MINIMUM ABOVE THE FLOOR.
 2. IN ALTERATIONS, A PROJECTION OF 5/8 INCH MAXIMUM INTO THE ROOM OR PASSAGEWAY SHALL BE PERMITTED.
404.2.3 MANEUVERING CLEARANCES AT DOORS
 404.2.3.1 SWINGING DOORS. THE FULL CLEAR OPENING WIDTH OF THE DOORWAY, INCLUDING THE FULL CLEAR OPENING WIDTH OF THE DOORWAY, SHALL COMPLY WITH TABLE 404.2.3.1.
 404.2.3.2 SLIDING AND FOLDING DOORS. THE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.3.2 SHALL BE 48 INCHES MINIMUM AND 48 INCHES MAXIMUM FULLY OPEN POSITION. OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.
 404.2.3.3 DOORWAYS WITHOUT DOORS. THE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.3.3 SHALL BE 48 INCHES MINIMUM AND 48 INCHES MAXIMUM FULLY OPEN POSITION. OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.
 404.2.3.4 DOORWAYS WITH DOORS. THE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.3.4 SHALL BE 48 INCHES MINIMUM AND 48 INCHES MAXIMUM FULLY OPEN POSITION. OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.

GENERAL ACCESSIBILITY REQUIREMENTS:
 RESIDENTIAL UNITS MUST COMPLY WITH ICC/ANSI A117.1 SECTION 1004 TYPE B UNITS
302 FLOOR SURFACES
 302.1 GENERAL. FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP-RESISTANT. CHANGES IN LEVEL IN FLOOR SURFACES SHALL COMPLY WITH SECTION 303.3. THE SURFACE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR MAT. CARPET OR CARPET TILES SHALL BE PERMITTED. CARPET SHALL BE 1/8 INCH OR LEVEL CUT/UNCI PILE TEXTURE. THE PILE SHALL BE MAXIMUM IN HEIGHT. EXPOSED EDGES OF CARPET SHALL BE PERMITTED TO EXCEED 1/8 INCH ABOVE THE FINISHED FLOOR SURFACE. THE ENTIRE LENGTH OF THE EXPOSED EDGE, CARPET EDGE TRIM SHALL COMPLY WITH SECTION 303.
305 CLEAR FLOOR OR GROUND SPACE
 305.1 GENERAL. CLEAR FLOOR OR GROUND SPACE SHALL COMPLY WITH SECTION 305.1. CLEAR FLOOR OR GROUND SPACE SHALL HAVE A SLOPE NOT STEEPER THAN 1:48 AND SHALL COMPLY WITH SECTION 302.
 305.2 CLEAR FLOOR OR GROUND SPACE SHALL BE 30-INCHES MINIMUM BY 48-INCHES MINIMUM.
 305.3 CLEAR FLOOR OR GROUND SPACE SHALL BE 30-INCHES MINIMUM BY 48-INCHES MINIMUM.
 305.4 CLEAR FLOOR OR GROUND SPACE SHALL BE 30-INCHES MINIMUM BY 48-INCHES MINIMUM.
 305.5 POSITION. CLEAR FLOOR OR GROUND SPACE SHALL BE PERMITTED TO LING WITH SECTION 306.
305.6 APPROACH
 305.6.1 APPROACH TO AN ELEMENT. APPROACH TO AN ELEMENT SHALL BE PERMITTED TO BE 48 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FLOOR.
 305.6.2 OBSTRUCTED HIGH REACH. WHERE AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH. THE REACH SHALL BE 48 INCHES MAXIMUM WHERE THE REACH DEPTH IS 20 INCHES MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 20 INCHES, THE HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM AND THE REACH DEPTH SHALL BE 25 INCHES MAXIMUM.
 305.6.3 SIDE REACH. WHERE A CLEAR FLOOR SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE LOW SIDE REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FLOOR. EXISTING ELEMENTS SHALL BE PERMITTED AT 54 INCHES MAXIMUM ABOVE THE FLOOR.
 305.6.4 OBSTRUCTED HIGH REACH. WHERE A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 INCHES MAXIMUM AND THE DEPTH OF THE OBSTRUCTION SHALL BE 48 INCHES MAXIMUM FOR A REACH DEPTH OF 10 INCHES. WHERE THE REACH DEPTH EXCEEDS 10 INCHES, THE REACH DEPTH OF 24 INCHES MAXIMUM.
309 OPERABLE PARTS
 309.1 GENERAL. OPERABLE PARTS REQUIRED TO BE OPERATED BY ONE HAND AND THE OTHER HAND SHALL BE PERMITTED TO BE 5.0 POUNDS (22.2 N) MAXIMUM. OPERABLE PARTS SHALL BE PLACED WITHIN ONE OR MORE OF THE REACH RANGES.
 309.2 OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING. OPERABLE PARTS SHALL BE 5.0 POUNDS (22.2 N) MAXIMUM. EXCEPTION: GAS PUMP NOZZLES SHALL NOT BE REQUIRED TO COMPLY WITH THIS SECTION. OPERABLE PARTS SHALL HAVE AN ACTUATING FORCE OF 5.0 POUNDS (22.2 N) MAXIMUM.

604.1 GENERAL. ACCESSIBLE WATER CLOSETS AND TOILET COMPARTMENTS SHALL COMPLY WITH SECTION 604.
606 LAVATORIES AND SINKS
 606.6 EXPOSED PIPES AND SURFACES. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.
703 SINKS
 703.1 GENERAL. SINKS SHALL COMPLY WITH SECTION 703.2 WHERE BOTH VISUAL AND TACTILE CHARACTERS ARE REQUIRED. EITHER ONE SIGN WITH BOTH VISUAL AND TACTILE CHARACTERS OR ONE WITH VISUAL AND ONE WITH TACTILE CHARACTERS, SHALL BE PROVIDED.
804 KITCHENS AND KITCHENETTES
 804.1 GENERAL. ACCESSIBLE KITCHENS AND KITCHENETTES SHALL COMPLY WITH SECTION 804.2.
 804.2 CLEARANCE. A PASS-THROUGH KITCHEN IS PROVIDED, CLEARANCES SHALL COMPLY WITH SECTION 804.2.2. A COOKTOP OR CONVENTIONAL RANGE SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 804.2. APPLIANCES OR CABINETS ARE ON TWO OPPOSING SIDES, APPLIANCES OR CABINETS ARE ON ONE SIDE, OPPOSITE A PARALLEL WALL, CLEARANCE BETWEEN ALL OPPOSING BASE CABINETS, COUNTER TOPS, OR APPLIANCES SHALL BE 40 INCHES MINIMUM. PASS-THROUGH KITCHENS SHALL HAVE TWO ENTRIES.
 804.3 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305 SHALL BE PROVIDED TO PERMIT APPROACH TO THE CLEAR FLOOR SPACE.
905 STORAGE FACILITIES
 905.1 GENERAL. ACCESSIBLE STORAGE FACILITIES SHALL COMPLY WITH SECTION 905.2. CLEAR FLOOR OR GROUND SPACE, A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 305 SHALL BE PROVIDED.
 905.3 HEIGHT. ACCESSIBLE STORAGE ELEMENTS SHALL COMPLY WITH AT LEAST ONE OF THE REACH RANGES.
 905.4 OPERABLE PARTS. OPERABLE PARTS OF STORAGE FACILITIES SHALL COMPLY WITH SECTION 309.

REVISIONS:
 8-15-2013

DRAWN BY:
 [Signature]

PROJECT:
 ARCHITECTURE

DATE:
 12-03-12

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

SHEET:
 A1

3 OF 10

ARCHITECTURAL ENGINEERING
PLANNING

ARCHITECTS
 939 N. Damen Ave.
 Chicago, IL 60622
 773 772 2756 Office
 773 772 2854 Fax

**117 NORTH AVE.
 BARRINGTON, IL**

**ACCESSIBILITY DETAILS
 & NOTES, EMERGENCY EXIT
 PLAN, AND OCCUPANT LOAD AND
 EGRESS WIDTH CALCULATIONS**

REVISIONS:

DRAWN BY:
AJ

PROPOSED FLOOR PLANS AND DETAILS

117 NORTH AVE. BARRINGTON, IL

929 N. Damen Ave.
Chicago, IL 60622
773.772.2756 Office
773.772.2854 Fax

ARCHITECTS

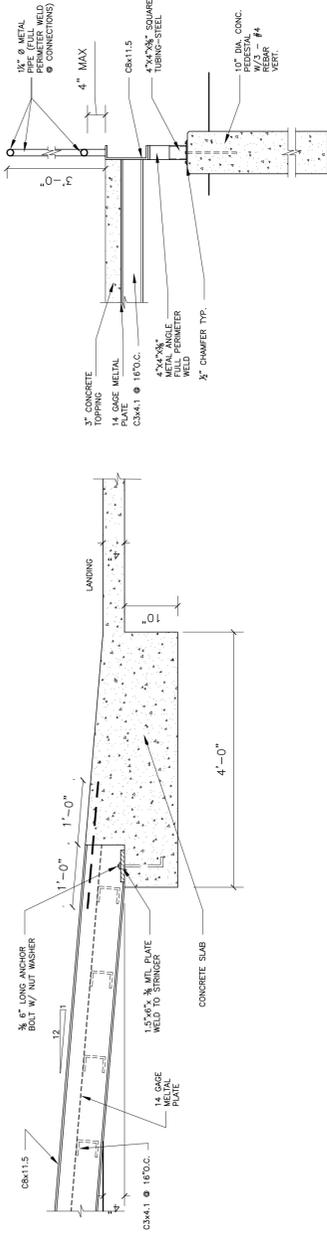
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PLANNING

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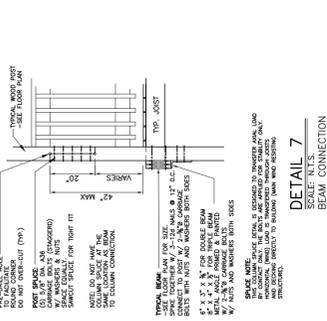
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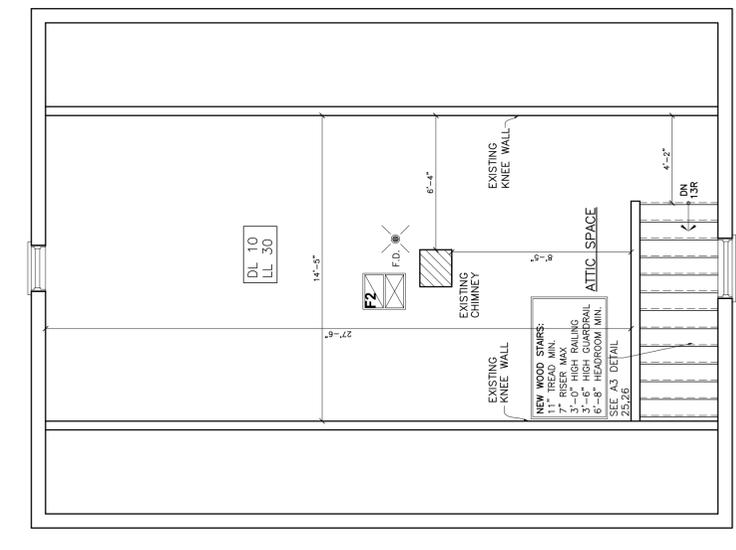
5 OF 10



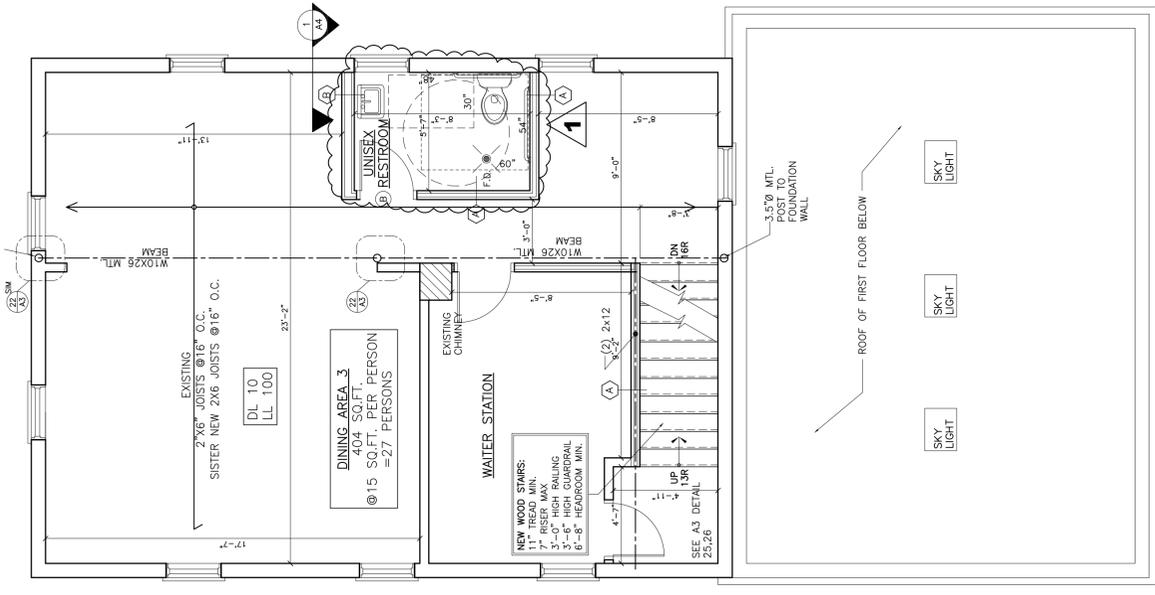
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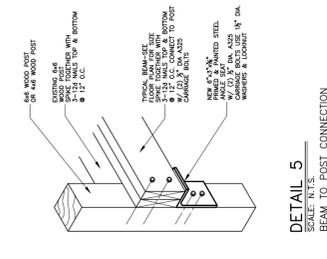
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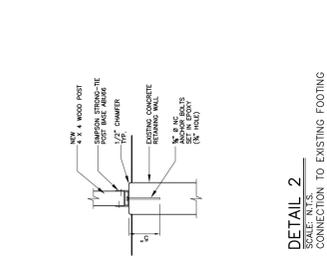
EXISTING ATTIC FLOOR PLAN
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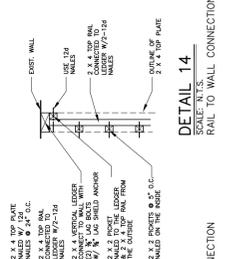
PROPOSED MEZZANINE FLOOR PLAN
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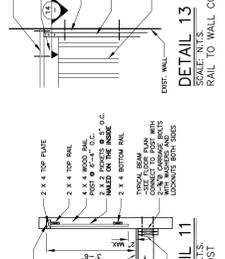
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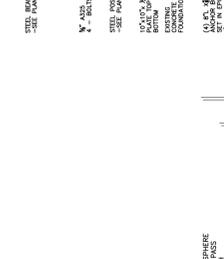
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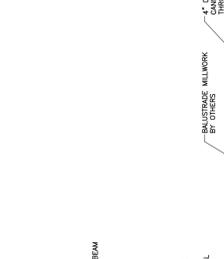
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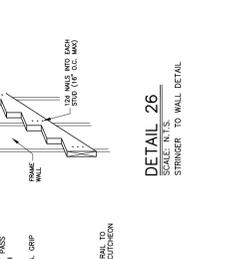
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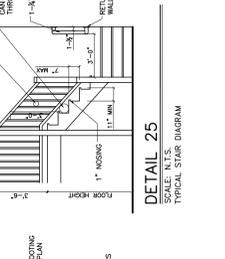
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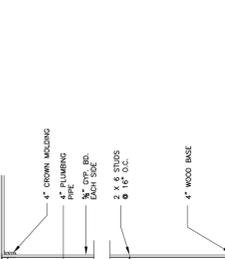
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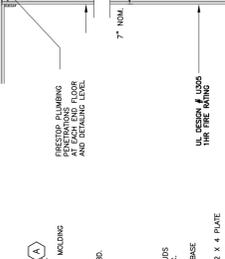
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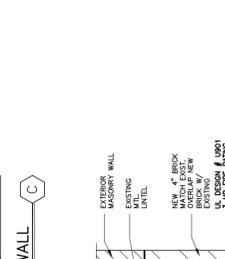
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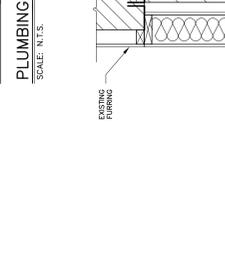
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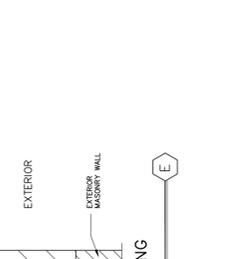
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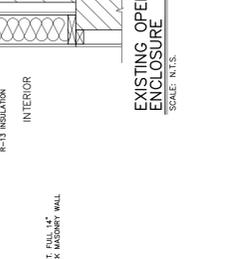
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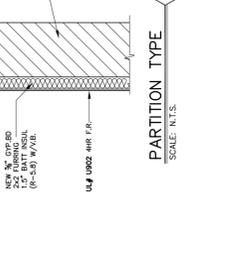
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DETAIL 26
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DETAIL 27
SCALE: N.T.S.



DETAIL 28
SCALE: N.T.S.



DETAIL 29
SCALE: N.T.S.



DETAIL 30
SCALE: N.T.S.



DETAIL 31
SCALE: N.T.S.



DETAIL 32
SCALE: N.T.S.



DETAIL 33
SCALE: N.T.S.

Load Values Assigned to Fixtures

FIXTURES	WASTE	VENT	COLD WATER	HOT WATER	TOTAL
1. SINK	1.5	1.5	1.5	0	4.5
2. URINAL	1.5	1.5	0	0	3.0
3. WATER CLOSET	1.5	1.5	0	0	3.0
4. SINK	1.5	1.5	1.5	0	4.5
5. SINK	1.5	1.5	1.5	0	4.5
6. SINK	1.5	1.5	1.5	0	4.5
7. SINK	1.5	1.5	1.5	0	4.5
8. SINK	1.5	1.5	1.5	0	4.5
9. SINK	1.5	1.5	1.5	0	4.5
10. SINK	1.5	1.5	1.5	0	4.5
11. SINK	1.5	1.5	1.5	0	4.5
12. SINK	1.5	1.5	1.5	0	4.5
13. SINK	1.5	1.5	1.5	0	4.5
14. SINK	1.5	1.5	1.5	0	4.5
15. SINK	1.5	1.5	1.5	0	4.5
16. SINK	1.5	1.5	1.5	0	4.5
17. SINK	1.5	1.5	1.5	0	4.5
18. SINK	1.5	1.5	1.5	0	4.5
19. SINK	1.5	1.5	1.5	0	4.5
20. SINK	1.5	1.5	1.5	0	4.5
21. SINK	1.5	1.5	1.5	0	4.5
22. SINK	1.5	1.5	1.5	0	4.5
23. SINK	1.5	1.5	1.5	0	4.5
24. SINK	1.5	1.5	1.5	0	4.5
25. SINK	1.5	1.5	1.5	0	4.5
26. SINK	1.5	1.5	1.5	0	4.5
27. SINK	1.5	1.5	1.5	0	4.5
28. SINK	1.5	1.5	1.5	0	4.5
29. SINK	1.5	1.5	1.5	0	4.5
30. SINK	1.5	1.5	1.5	0	4.5
31. SINK	1.5	1.5	1.5	0	4.5
32. SINK	1.5	1.5	1.5	0	4.5
33. SINK	1.5	1.5	1.5	0	4.5
34. SINK	1.5	1.5	1.5	0	4.5
35. SINK	1.5	1.5	1.5	0	4.5
36. SINK	1.5	1.5	1.5	0	4.5
37. SINK	1.5	1.5	1.5	0	4.5
38. SINK	1.5	1.5	1.5	0	4.5
39. SINK	1.5	1.5	1.5	0	4.5
40. SINK	1.5	1.5	1.5	0	4.5
41. SINK	1.5	1.5	1.5	0	4.5
42. SINK	1.5	1.5	1.5	0	4.5
43. SINK	1.5	1.5	1.5	0	4.5
44. SINK	1.5	1.5	1.5	0	4.5
45. SINK	1.5	1.5	1.5	0	4.5
46. SINK	1.5	1.5	1.5	0	4.5
47. SINK	1.5	1.5	1.5	0	4.5
48. SINK	1.5	1.5	1.5	0	4.5
49. SINK	1.5	1.5	1.5	0	4.5
50. SINK	1.5	1.5	1.5	0	4.5
51. SINK	1.5	1.5	1.5	0	4.5
52. SINK	1.5	1.5	1.5	0	4.5
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55. SINK	1.5	1.5	1.5	0	4.5
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63. SINK	1.5	1.5	1.5	0	4.5
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66. SINK	1.5	1.5	1.5	0	4.5
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68. SINK	1.5	1.5	1.5	0	4.5
69. SINK	1.5	1.5	1.5	0	4.5
70. SINK	1.5	1.5	1.5	0	4.5
71. SINK	1.5	1.5	1.5	0	4.5
72. SINK	1.5	1.5	1.5	0	4.5
73. SINK	1.5	1.5	1.5	0	4.5
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75. SINK	1.5	1.5	1.5	0	4.5
76. SINK	1.5	1.5	1.5	0	4.5
77. SINK	1.5	1.5	1.5	0	4.5
78. SINK	1.5	1.5	1.5	0	4.5
79. SINK	1.5	1.5	1.5	0	4.5
80. SINK	1.5	1.5	1.5	0	4.5
81. SINK	1.5	1.5	1.5	0	4.5
82. SINK	1.5	1.5	1.5	0	4.5
83. SINK	1.5	1.5	1.5	0	4.5
84. SINK	1.5	1.5	1.5	0	4.5
85. SINK	1.5	1.5	1.5	0	4.5
86. SINK	1.5	1.5	1.5	0	4.5
87. SINK	1.5	1.5	1.5	0	4.5
88. SINK	1.5	1.5	1.5	0	4.5
89. SINK	1.5	1.5	1.5	0	4.5
90. SINK	1.5	1.5	1.5	0	4.5
91. SINK	1.5	1.5	1.5	0	4.5
92. SINK	1.5	1.5	1.5	0	4.5
93. SINK	1.5	1.5	1.5	0	4.5
94. SINK	1.5	1.5	1.5	0	4.5
95. SINK	1.5	1.5	1.5	0	4.5
96. SINK	1.5	1.5	1.5	0	4.5
97. SINK	1.5	1.5	1.5	0	4.5
98. SINK	1.5	1.5	1.5	0	4.5
99. SINK	1.5	1.5	1.5	0	4.5
100. SINK	1.5	1.5	1.5	0	4.5

NOTE: For fixtures not listed, loads shall be determined by comparing the fixture to one listed using water in similar quantities and at similar rates. The assigned loads for fixtures with both cold and hot water shall be the sum of the loads for separate cold and hot water fixtures and not the total.

PIPE SIZE	WATER	WASTE	VENT	COLD WATER	HOT WATER	TOTAL
1/2"	1.5	1.5	1.5	0	0	4.5
3/4"	1.5	1.5	1.5	0	0	4.5
1"	1.5	1.5	1.5	0	0	4.5
1 1/4"	1.5	1.5	1.5	0	0	4.5
1 1/2"	1.5	1.5	1.5	0	0	4.5
2"	1.5	1.5	1.5	0	0	4.5
2 1/2"	1.5	1.5	1.5	0	0	4.5
3"	1.5	1.5	1.5	0	0	4.5
3 1/2"	1.5	1.5	1.5	0	0	4.5
4"	1.5	1.5	1.5	0	0	4.5
4 1/2"	1.5	1.5	1.5	0	0	4.5
5"	1.5	1.5	1.5	0	0	4.5
5 1/2"	1.5	1.5	1.5	0	0	4.5
6"	1.5	1.5	1.5	0	0	4.5
6 1/2"	1.5	1.5	1.5	0	0	4.5
7"	1.5	1.5	1.5	0	0	4.5
7 1/2"	1.5	1.5	1.5	0	0	4.5
8"	1.5	1.5	1.5	0	0	4.5
8 1/2"	1.5	1.5	1.5	0	0	4.5
9"	1.5	1.5	1.5	0	0	4.5
9 1/2"	1.5	1.5	1.5	0	0	4.5
10"	1.5	1.5	1.5	0	0	4.5
10 1/2"	1.5	1.5	1.5	0	0	4.5
11"	1.5	1.5	1.5	0	0	4.5
11 1/2"	1.5	1.5	1.5	0	0	4.5
12"	1.5	1.5	1.5	0	0	4.5
12 1/2"	1.5	1.5	1.5	0	0	4.5
13"	1.5	1.5	1.5	0	0	4.5
13 1/2"	1.5	1.5	1.5	0	0	4.5
14"	1.5	1.5	1.5	0	0	4.5
14 1/2"	1.5	1.5	1.5	0	0	4.5
15"	1.5	1.5	1.5	0	0	4.5
15 1/2"	1.5	1.5	1.5	0	0	4.5
16"	1.5	1.5	1.5	0	0	4.5
16 1/2"	1.5	1.5	1.5	0	0	4.5
17"	1.5	1.5	1.5	0	0	4.5
17 1/2"	1.5	1.5	1.5	0	0	4.5
18"	1.5	1.5	1.5	0	0	4.5
18 1/2"	1.5	1.5	1.5	0	0	4.5
19"	1.5	1.5	1.5	0	0	4.5
19 1/2"	1.5	1.5	1.5	0	0	4.5
20"	1.5	1.5	1.5	0	0	4.5
20 1/2"	1.5	1.5	1.5	0	0	4.5
21"	1.5	1.5	1.5	0	0	4.5
21 1/2"	1.5	1.5	1.5	0	0	4.5
22"	1.5	1.5	1.5	0	0	4.5
22 1/2"	1.5	1.5	1.5	0	0	4.5
23"	1.5	1.5	1.5	0	0	4.5
23 1/2"	1.5	1.5	1.5	0	0	4.5
24"	1.5	1.5	1.5	0	0	4.5
24 1/2"	1.5	1.5	1.5	0	0	4.5
25"	1.5	1.5	1.5	0	0	4.5
25 1/2"	1.5	1.5	1.5	0	0	4.5
26"	1.5	1.5	1.5	0	0	4.5
26 1/2"	1.5	1.5	1.5	0	0	4.5
27"	1.5	1.5	1.5	0	0	4.5
27 1/2"	1.5	1.5	1.5	0	0	4.5
28"	1.5	1.5	1.5	0	0	4.5
28 1/2"	1.5	1.5	1.5	0	0	4.5
29"	1.5	1.5	1.5	0	0	4.5
29 1/2"	1.5	1.5	1.5	0	0	4.5
30"	1.5	1.5	1.5	0	0	4.5
30 1/2"	1.5	1.5	1.5	0	0	4.5
31"	1.5	1.5	1.5	0	0	4.5
31 1/2"	1.5	1.5	1.5	0	0	4.5
32"	1.5	1.5	1.5	0	0	4.5
32 1/2"	1.5	1.5	1.5	0	0	4.5
33"	1.5	1.5	1.5	0	0	4.5
33 1/2"	1.5	1.5	1.5	0	0	4.5
34"	1.5	1.5	1.5	0	0	4.5
34 1/2"	1.5	1.5	1.5	0	0	4.5
35"	1.5	1.5	1.5	0	0	4.5
35 1/2"	1.5	1.5	1.5	0	0	4.5
36"	1.5	1.5	1.5	0	0	4.5
36 1/2"	1.5	1.5	1.5	0	0	4.5
37"	1.5	1.5	1.5	0	0	4.5
37 1/2"	1.5	1.5	1.5	0	0	4.5
38"	1.5	1.5	1.5	0	0	4.5
38 1/2"	1.5	1.5	1.5	0	0	4.5
39"	1.5	1.5	1.5	0	0	4.5
39 1/2"	1.5	1.5	1.5	0	0	4.5
40"	1.5	1.5	1.5	0	0	4.5
40 1/2"	1.5	1.5				

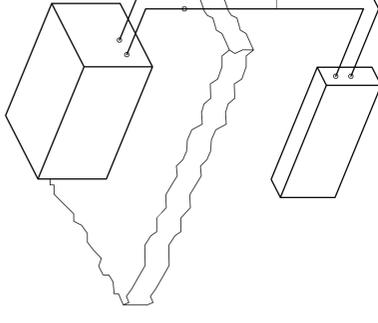
LEGEND:

-  - RESTROOM FAN
-  - REGISTER (RETURN)
-  - REGISTER (SUPPLY)
-  - FURNACE
-  - BALANCING DAMPER - TYPICAL
-  - RETURN AIR DUCT
-  - SUPPLY AIR DUCT
-  - COMPRESSOR UNITS

INSTALL PRESSURE RELIEF VALVE ON HIGH PRESSURE SIDE OF THE SYSTEM. UPSTREAM OF ANY VALVES. REMOVE EXTENSION VALVES, DEVICES AND CONNECTIONS FROM AIR STREAM.

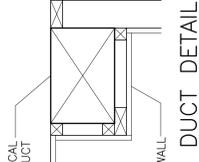
REFRIGERATION PIPING TO BE TYPE "K" COPPER OR ACR. ALL CONNECTIONS AND DEVICES TO BE BRAZED.

LIQUID LINE
"K" COPPER
SUCTION LINE
"K" COPPER



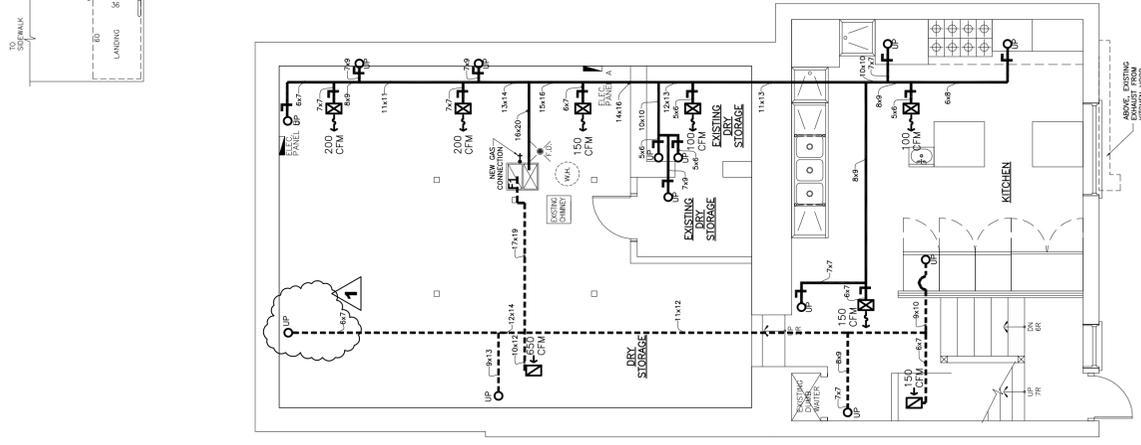
REMOTE REFRIGERATION
PIPING DIAGRAM

SCALE: N.T.S.

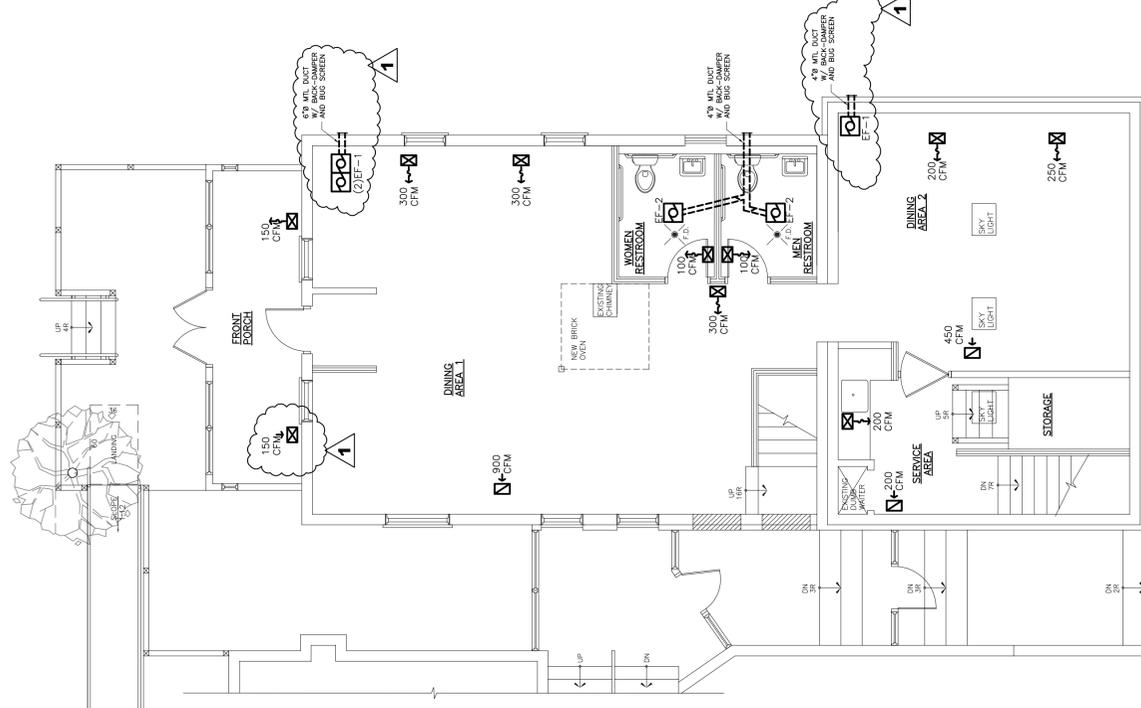


DUCT DETAIL

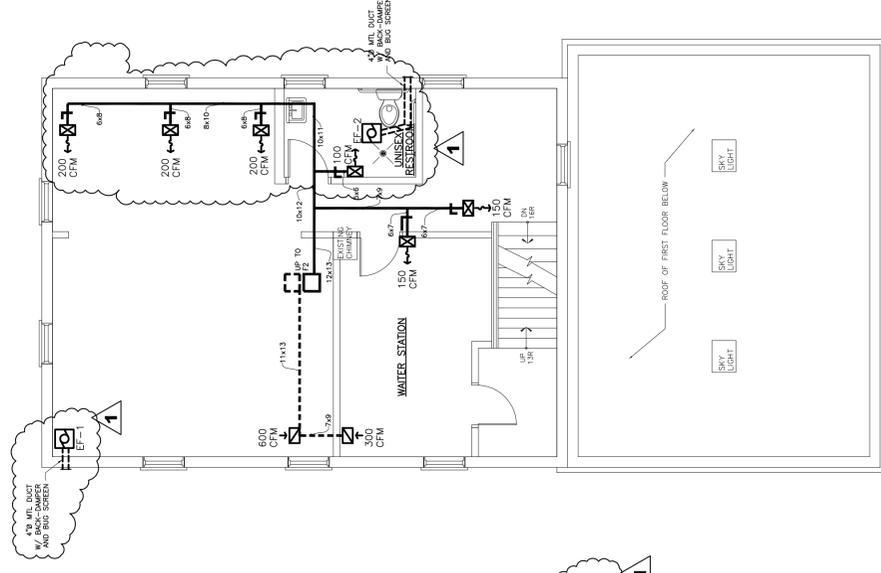
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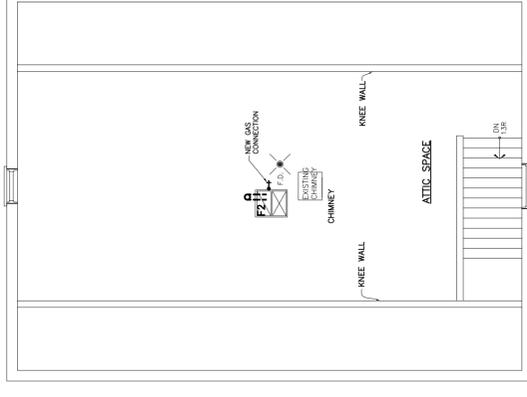
PROPOSED BASEMENT FLOOR PLAN
SCALE: 3/16"=1'-0"



PROPOSED FIRST FLOOR PLAN
SCALE: 3/16"=1'-0"

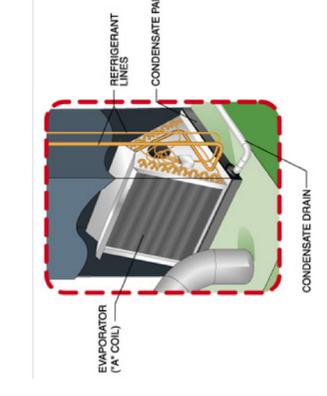
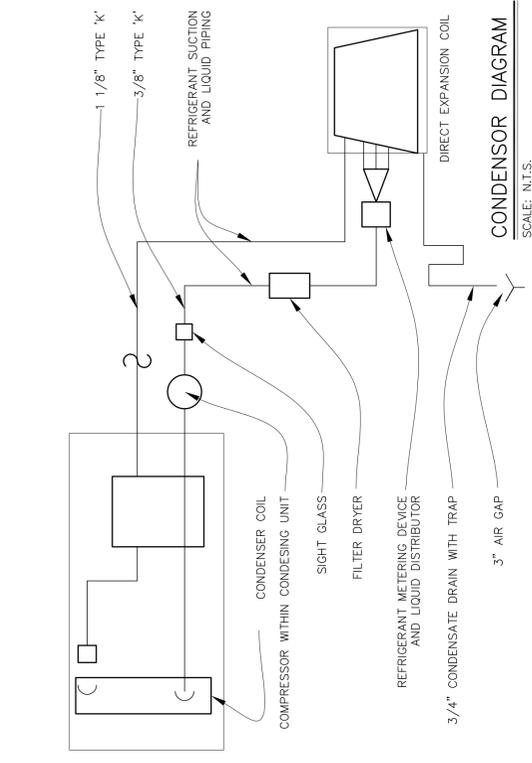


PROPOSED MEZZANINE FLOOR PLAN
SCALE: 3/16"=1'-0"

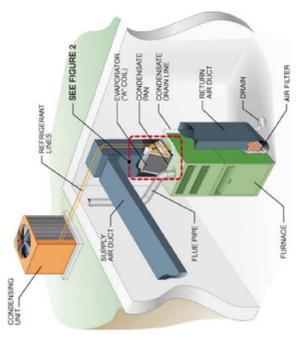


EXISTING ATTIC FLOOR PLAN
SCALE: 3/16"=1'-0"

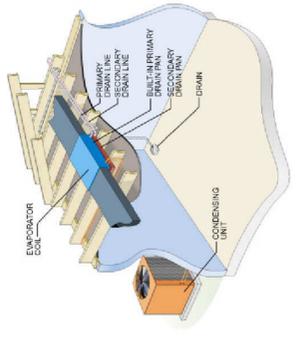
NOTE:
1. ALL SEALING OF THE DUCT SYSTEM SHALL BE IN ACCORDANCE WITH MECHANICAL SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH ILLINOIS ENERGY CODE (2012 EEC)



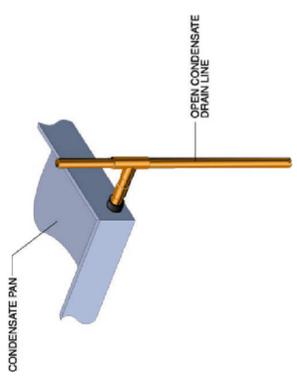
EVAPORATING COIL
 SCALE: N.T.S.



SPLIT AIR CONDENSING SYSTEM
 SCALE: N.T.S.



EVAPORATOR COIL LOCATED ABOVE THE CEILING
 SCALE: N.T.S.



OPEN-LEG CONDENSATE DRAIN LINE
 SCALE: N.T.S.

- HVAC NOTES: ALL WORK TO BE PERFORMED BY A LICENSED HVAC CONTRACTOR. WORK MUST COMPLY WITH INTERNATIONAL MECHANICAL CODE, 2009 EDITION.
- THE HVAC CONTRACTOR IS TO OBTAIN AND PAY FOR ALL PERMIT AND INSPECTION FEES.
- FURNISH ARCHITECT WITH COMPLETE SET OF SHOP DRAWINGS AND CUTS, SHOWING DUCT CONNECTIONS, SIZES, AIR QUANTITIES AND REGISTERS INCLUDING MECHANICAL EQUIPMENT, EXHAUST FANS ETC. FOR APPROVAL BEFORE BEGINNING ANY WORK.
- FURNISH AND INSTALL COMPLETE AND OPERABLE HVAC SYSTEM AS INDICATED; SYSTEMS ARE TO HEAT THE BUILDING TO 70 F. AT -10 F. OUTSIDE TEMPERATURE. EACH SYSTEM IS TO BE SIZED AS TO DELIVER 500 CFM MINIMUM, WITH DOWN SIZED BELT DRIVEN MOTOR. EACH SYSTEM IS TO BE FITTED WITH ELECTRONIC AIR FILTER AND HUMIDIFIER CAPABLE OF MAINTAINING 40% RH. EACH FURNACE SHALL BE OF ENERGY EFFICIENT DESIGN WITH ELECTRONIC CONTROLS AND SPARK IGNITION, 100% SAFETY SHUT-OFF VALVE L.P. REGULATOR AND SHUT-OFF VALVE. COORDINATE LOCATION OF THERMOSTATS WITH OWNER.
- FRESH AIR INTAKES MUST BE A MINIMUM OF 15 FT. AWAY FROM ANY EXHAUST OUTLET.
- VENT & DUCT LINES TO BE 26 GA. GALVANIZED SHEET METAL AND CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS.
- REINFORCE AND BRACE ALL DUCTWORK SECURELY TO PREVENT VIBRATION. ALL DUCTS TO BE INSTALLED IN STRICT ACCORDANCE WITH ASHRAE GUIDELINES.
- PROVIDE INDIVIDUAL MANUAL SPLITTER DAMPERS IN ACCESSIBLE LOCATIONS FOR BALANCING THE SYSTEM. ALL DAMPERS TO BE LOCKING TYPE.
- INSULATE ALL DUCTWORK LOCATED IN UNCONDITIONED SPACES WITH 1" THICK FIBERGLASS INSULATION AND VAPOR BARRIER JACKET. INSULATE ALL COMBUSTION AIR DUCT WORK WITH 1" THICK FIBERGLASS INSULATION AND VAPOR BARRIER.
- CAREFULLY COORDINATE LOCATION OF DUCTWORK WITH STRUCTURAL FRAMING. ANY CUTTING REQUIRED MUST BE DONE BY A SKILLED CARPENTER UNDER THE DIRECTION OF THE GENERAL CONTRACTOR.
- TEST AND BALANCE ALL AIR HANDLING SYSTEMS AND OBTAIN A CERTIFICATE OF ACCEPTANCE FROM THE CITY INSPECTOR BEFORE COVERING ANY PART OF THE WORK.
- FURNISH AND INSTALL COMPLETE AND OPERABLE SYSTEM OF VENTILATION AND EXHAUST AS REQUIRED AND INDICATED ON DRAWINGS FOR TOILETS AND KITCHEN APPLIANCES; PROVIDE WALL CAP, BUG SCREEN AND GRAVITY DAMPERS.
- ALL FLUES FOR GAS FURNACES AND WATER HEATERS SHALL BE TYPE "B" FLUES THAT PENETRATE THE ROOF SHALL EXTEND A MINIMUM OF 3 FEET ABOVE THE HIGHEST POINT OF THE ROOF OR ADJACENT ROOF. THERE SHALL BE DOUBLE WALL CONSTRUCTION - 14 GA. STEEL OR AS REQUIRED BY CODE. FLUES MUST BE PROVIDED WITH A VENTILATING ROOF THIMBLE THAT PROVIDES 2" MINIMUM CLEARANCE ALL AROUND. SUCH THIMBLE WILL EXTEND A MINIMUM OF 6" ABOVE AND BELOW THE ROOF.
- THE A/C CONDENSER MUST BE SET ON A PREFABRICATED BASE, AND LOCATED TO ALLOW FREE AIR FLOW.
- PRODUCT INFORMATION SHEET FOR HEATING AND/OR COOLING SYSTEM TO BE ON SITE AT TIME OF INSPECTION.
- ALL RETURNS ARE TO BE DUCTED. USE OF WALL CAVITY FOR RETURN AIR IS PROHIBITED.
- PROVIDE TWO PERMANENT OPENINGS FOR COMBUSTION AIR - ONE HIGH AND ONE LOW.
- LOCATION OF PRESSURE RELIEF DEVICE TO CONFORM WITH 1102.3 MAY NOT BE LOCATED IN ANY ELEVATOR, DUMBWATER, OR OTHER SHAFT CONTAINING MOVING OBJECTS.
- REFRIGERANT LINES MAY NOT BE LOCATED IN ANY ELEVATOR, DUMBWATER OR SHAFT CONTAINING MOVING OBJECTS OR IN STAIRWELLS OR OTHER MEANS OF EXIST. NOT PERMITTED UNDER STAIRS, FIRE ESCAPES OR HALLWAYS.
- LOCATION OF OUTLETS MUST CONFORM TO IFGC 404.13
- PIPING IN CONCEALED LOCATIONS MUST CONFORM TO IFGC 404.13
- PRESSURE REGULATORS REQUIRING VENTS MUST HAVE AN INDEPENDENT VENT TO THE OUTSIDE OF THE BUILDING.
- GAS PIPING MATERIALS MUST CONFORM TO THE GAS PIPING AND TUBING MATERIAL MATRIX (IFGC 403 REQUIREMENTS).
- GAS PIPES MUST BE SLOPED AT 1/4" IN EVERY 15'-0".
- FUEL GAS PIPING AND CONTROLS MUST CONFORM TO THE INTERNATIONAL FUEL GAS CODE (IFGC), CHAPTER 4 (WITH MODIFICATIONS AS NOTED IN ARTICLE 1.4).
- ALL VENTS TO PROJECTS 2'-0" ABOVE ROOF LINE
- MAXIMUM DESIGN OPERATING PRESSURE FOR GAS PIPING SYSTEM LOCATED INSIDE BUILDINGS SHALL NOT EXCEED 5 PSIG.
- VENTING OF ALL GAS FIRED APPLIANCES MUST CONFORM TO INTERNATIONAL FUEL GAS CODE
- VENTS MUST TERMINATE 2 FEET ABOVE THE HIGHEST PORTION OF THE ROOF THAT IS WITHIN 10 FEET OF THE VENT.
- CONCEALED FITTINGS ARE NOT ALLOWED IN CSST SYSTEM EXCEPT FOR CONNECTIONS OF CSST TO THRU-WALL RIGID PIPE AT METERS AND APPLIANCE STUB-OUTS.
- INSTALL PRESSURE RELIEF VALVES ON THE HIGH PRESSURE SIDE OF THE SYSTEM, UPSTREAM OF ANY INTERVENING VALVES.
- COLLECT AND DISCHARGE CONDENSATE TO FLOOR DRAIN.
- CONDENSATION PROTECTION IS REQUIRED WHEREVER CONDENSATION MAY BE EXPECTED TO OCCUR ON PIPING WHICH COULD CAUSE A SAFETY HAZARD TO OCCUPANTS, STRUCTURE, EQUIPMENT, ETC.

VENTILATION SCHEDULE BASED ON ORDINANCE REQUIREMENTS															
AREA (SF)	S.F. GLASS VENT AREA	S.F. VENT AREA	CFM FRESH AIR SUPPLY	CFM AIR RETURN	CFM AIR EXHAUST	S.F. GLASS VENT AREA	S.F. VENT AREA	WT LIGHT & VENT	MECHANICAL VENTILATION						
									CFM AIR SUPPLY	CFM AIR RETURN	CFM AIR EXHAUST				
542.0	N.R.	N.R.	N.R.	N.R.	N.R.	0.0	0.0	550	650	N.R.	-	ASHRAE	9033.3	215.1	550
78.0	N.R.	N.R.	N.R.	N.R.	N.R.	0.0	0.0	100	0	N.R.	-	ASHRAE	1300.0	31.0	100
134.0	N.R.	N.R.	N.R.	N.R.	N.R.	0.0	0.0	150	150	N.R.	-	ASHRAE	2233.3	53.2	150
312.0	N.R.	N.R.	93.6	70.2	624.0	17.5	8.8	100	NOT ALLOWED	3398	EXISTING	ASHRAE	5000.0	123.8	100
110.0	N.R.	N.R.	N.R.	N.R.	N.R.	88.0	44.5	150	150	N.R.	-	ASHRAE	1833.3	43.7	150
620.0	N.R.	N.R.	888.0	651.0	1240.0	112.1	56.1	900	1250	1250	EXISTING	ASHRAE	10333.3	246.0	900
47.0	N.R.	N.R.	75	N.R.	94.0	0.0	0.0	100	100	ALLOWED	100	EF-2	783.3	18.7	100
47.0	N.R.	N.R.	75	N.R.	94.0	0.0	0.0	100	100	NOT ALLOWED	100	EF-2	783.3	18.7	100
111.0	N.R.	N.R.	155.4	N.R.	N.R.	0.0	0.0	200	200	N.R.	-	ASHRAE	1850.0	44.0	200
290.0	N.R.	N.R.	406.0	304.5	580.0	6.0	0.0	450	450	450	EXISTING	ASHRAE	4833.3	115.1	450
TOTAL													29933	713	1950

VENTILATION SCHEDULE BASED ON ORDINANCE REQUIREMENTS															
AREA (SF)	S.F. GLASS VENT AREA	S.F. VENT AREA	CFM FRESH AIR SUPPLY	CFM AIR RETURN	CFM AIR EXHAUST	S.F. GLASS VENT AREA	S.F. VENT AREA	WT LIGHT & VENT	MECHANICAL VENTILATION						
									CFM AIR SUPPLY	CFM AIR RETURN	CFM AIR EXHAUST				
388.5	N.R.	N.R.	541.1	405.8	541.1	89.1	44.6	600	600	650	EXISTING	ASHRAE	6441.7	153.4	600
56.0	N.R.	N.R.	75	N.R.	92.0	0.0	0.0	100	NOT ALLOWED	100	EF-2	ASHRAE	766.7	18.3	100
214.0	N.R.	N.R.	299.6	N.R.	N.R.	70.8	35.4	300	300	N.R.	-	ASHRAE	3566.7	84.9	300
TOTAL													10775	257	1000

HVAC EQUIPMENT SCHEDULE									
SYMBOL	LOCATION	MODEL NO.	AFUE	HP	HTG CFM	BTUH		A/C CFM	REMARKS
						INPUT	OUTPUT		
F1	DRY STORAGE	CARRIER 58CTA 135 20	80%	3/4	1,865	132,000	107,000	2,110	
F2	ATTIC	CARRIER 58CTA 045 12	80%	1/3	1,030	42,000	34,000	1,175	

EXHAUST FAN SCHEDULE									
SYMBOL	LOCATION	TOTAL CFM	FAN RPM	HP	VOLTAGE	MODEL NO.	REMARKS		
								SP	WATTS
EF-1	DINING RM.	700	960	3/4	120/1/60	BROAN L700			
EF-2	REST RM.	100	650	87	120/1/60	BROAN L100			

WATER HEATER SCHEDULE			
SYMBOL	LOCATION	MODEL NO.	REMARKS
WH	DRY STORAGE	BRADFORD WHITE 75TR083N	GAS/75 GAL

REFRIGERATION SCHEDULE									
TAG#/UNIT#	NO. COMP.	COMP. TON	REFRIG. RANT	REF. WEIGHT	REMOTE	SELF CONTAINED	LOCATION	AIR COOLED	WATER COOLED
AC1	1	5	R-404A	2.5	YES	NO	ON GRADE	YES	NO
AC2	1	3	R-404A	1.5	YES	NO	ON GRADE	YES	NO

