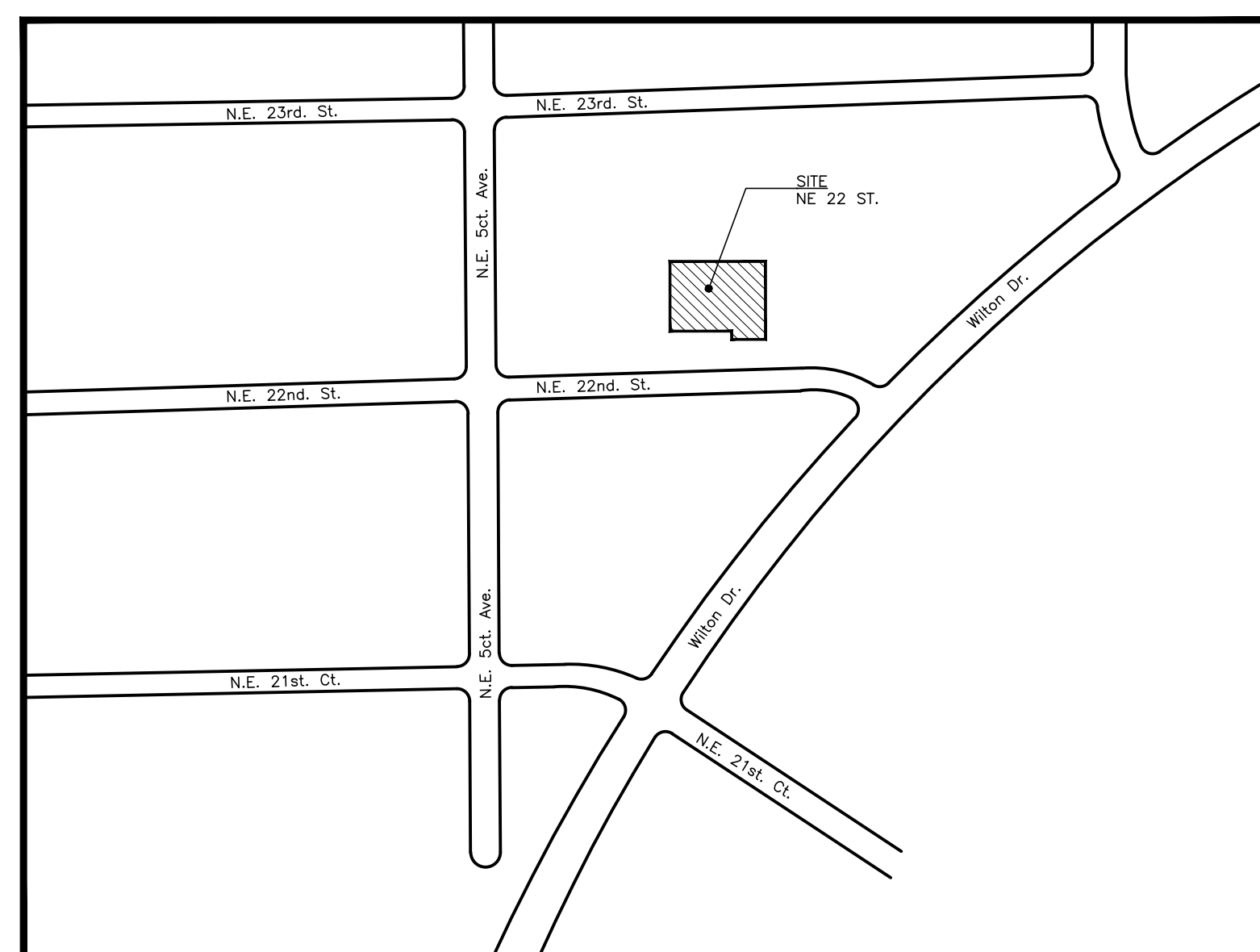


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Proposed interior remodeling for:
Wilton Manors Fire Station #16
533 N.E. 22nd. Street
Wilton Manors, Florida 33305



LOCATION MAP  NORTH
NTS

| |
|--|
| <p>SITE DATA</p> <p>BUILDING DATA OCCUPANCY GROUP: MIXED USE OCCUPANCIES NON-SEPARATED TO B, AND ACCESSORY S, A & R.</p> <p>TYPE OF CONSTRUCTION: III B</p> <p>WIND DESIGN: Vult=170 Mph, Vasd=132 Mph, EXPOSURE C, RISK CATEGORY 2, ENCLOSED STRUCTURE.</p> <p>F.B.C. 5th EDITION – ALTERATION LEVEL II /EXISTING BUILDINGS FFP CODE. 5th EDITION/ NFPA 101</p> |
| <p>PROPERTY INFORMATION</p> <p>ID# 5142-30-06-1570 CITY ZONING CODES RS-8</p> <p>FLOOD ZONE: X 0.2 PCT ANNUAL CHANCE BASE FLOOD ELEVATION: N/A N.A.V.D. LOWEST FLOOR ELEVATION: N/A GARAGE FLOOR ELEVATION: N/A LOWEST ADJACENT GRADE: N/A</p> <p>LEGAL DESCRIPTION: RE-AMENDED PLAT OF WILTON MANORS 23-17 B, LOTS 15,16, 17 AND THE W 30' OF LOT A, BLK. 47</p> <p>SCOPE OF WORK: WORK CONSISTS OF INTERIOR RENOVATIONS OF EXISTING KITCHEN AREA (141.0 SF) AND, BATHROOMS AREA (262.0 SF) AND, PROVIDE NEW EXTERIOR ADA RAMP @ ENTRY OF BUILDING.</p> <p>PROPERTY OWNER: CITY OF WILTON MANORS.</p> <p>PROPERTY ADDRESS: 533 NE 22nd STREET, WILTON MANORS FL. 33305</p> <p>PROPERTY ID #: 4942-26-06-0031</p> <p>CITY ZONING CODES: RM16.</p> |

| SHEET INDEX | |
|----------------------|---------------------------------------|
| SITE WORK | |
| SURVEYOR | RECORD LAND SURVEY |
| ARCHITECTURAL | |
| C-1 | COVER SHEET |
| SP-1 | PARTIAL SITE PLAN |
| A-1 | DEMOLITION PLAN |
| A-2 | PROPOSED PARTIAL FLOOR PLAN |
| A-3 | FLOOR PLAN |
| A-4 | REFLECTIVE CEILING PLAN |
| ELECTRICAL | |
| E-1 | ELECTRIC AND LIGHTING PLAN |
| E-2 | ELECTRICAL RISER AND PANEL SCHEDULE |
| MECHANICAL | |
| M-1 | MECHANICAL PLAN |
| M-2 | MECHANICAL DETAILS |
| M-3 | MECHANICAL EQUIPMENT MOUNTING DETAILS |
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| P-1 | PLUMBING GENERAL NOTES |
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| P-3 | PLUMBING WATER AND SEWER PLAN |
| P-4 | PLUMBING RISERS DIAGRAMS |



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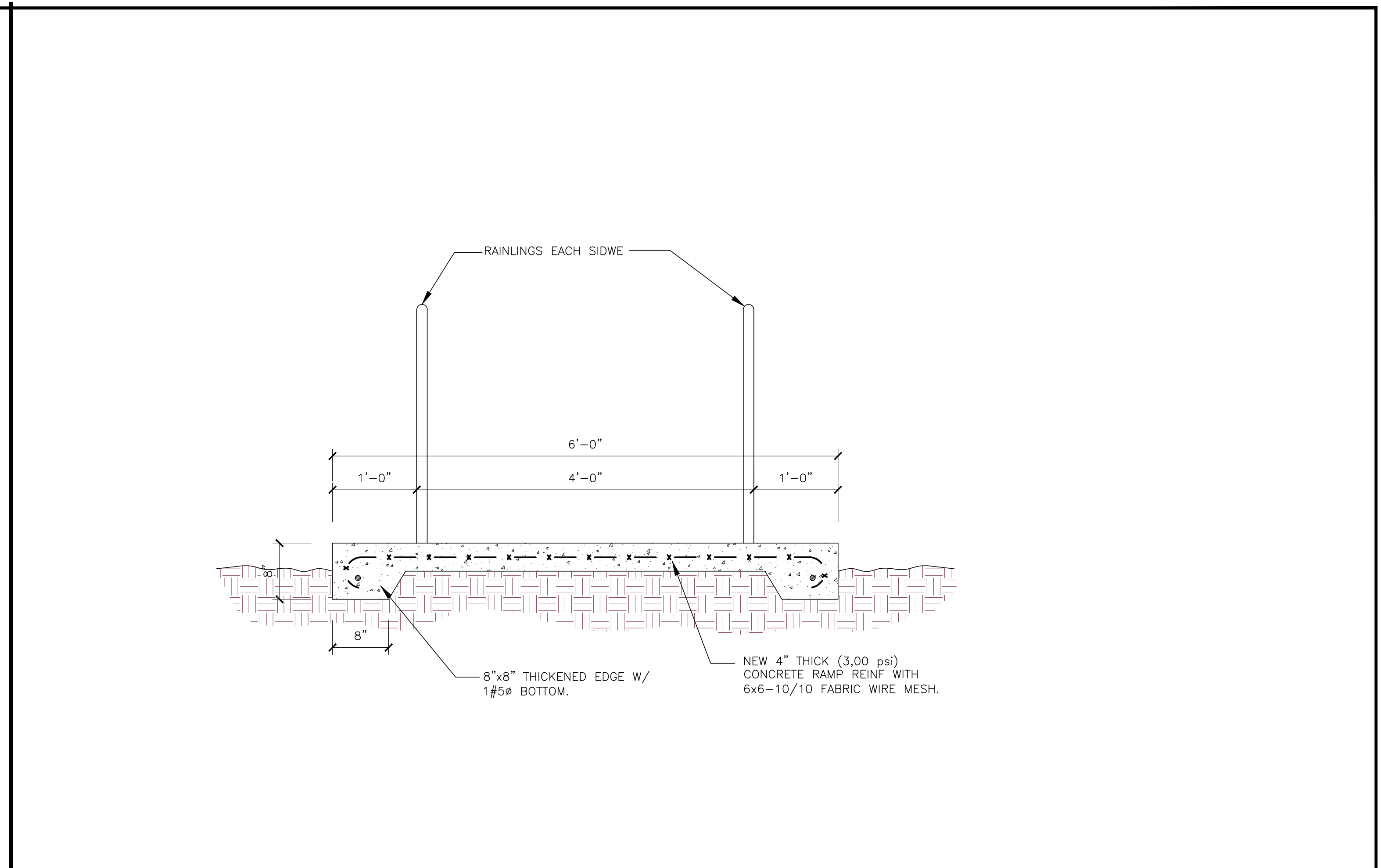
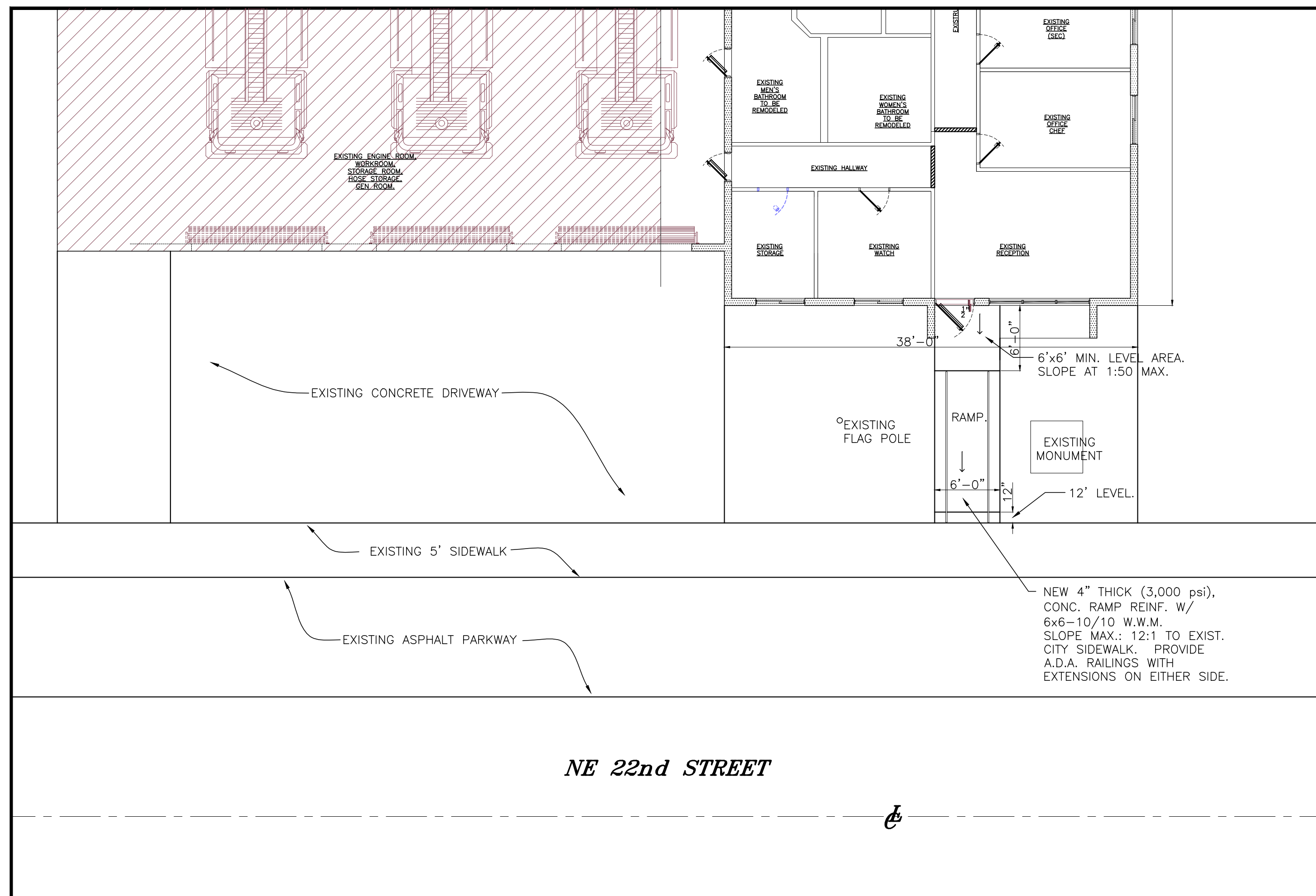
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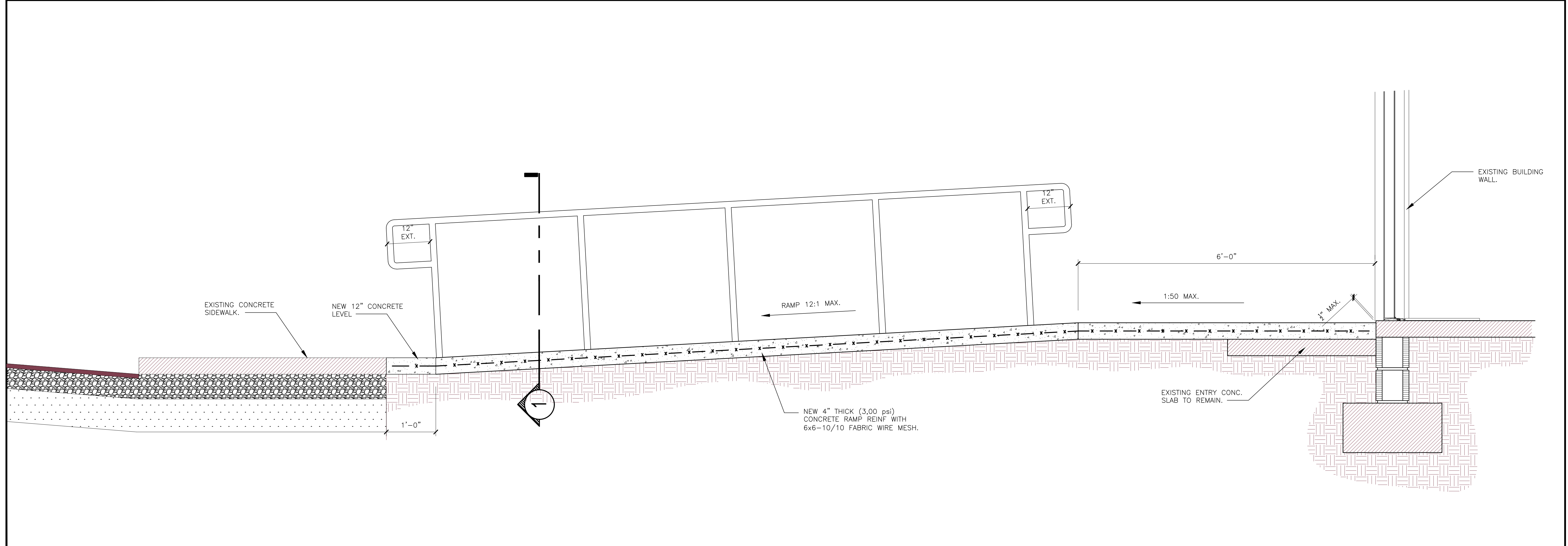
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C1 OF
DF 1
15 SHEETS



1 PARTIAL SITE PLAN (NEW A.D.A. RAMP)
 SC: 1/8" = 1'-0"
 NORTH

2 SECTION 1
 SC: 1"=1'-0"



3 LONGITUDINAL SECTION (NEW CONC. RAMP).
 SC: 1"=1'-0"

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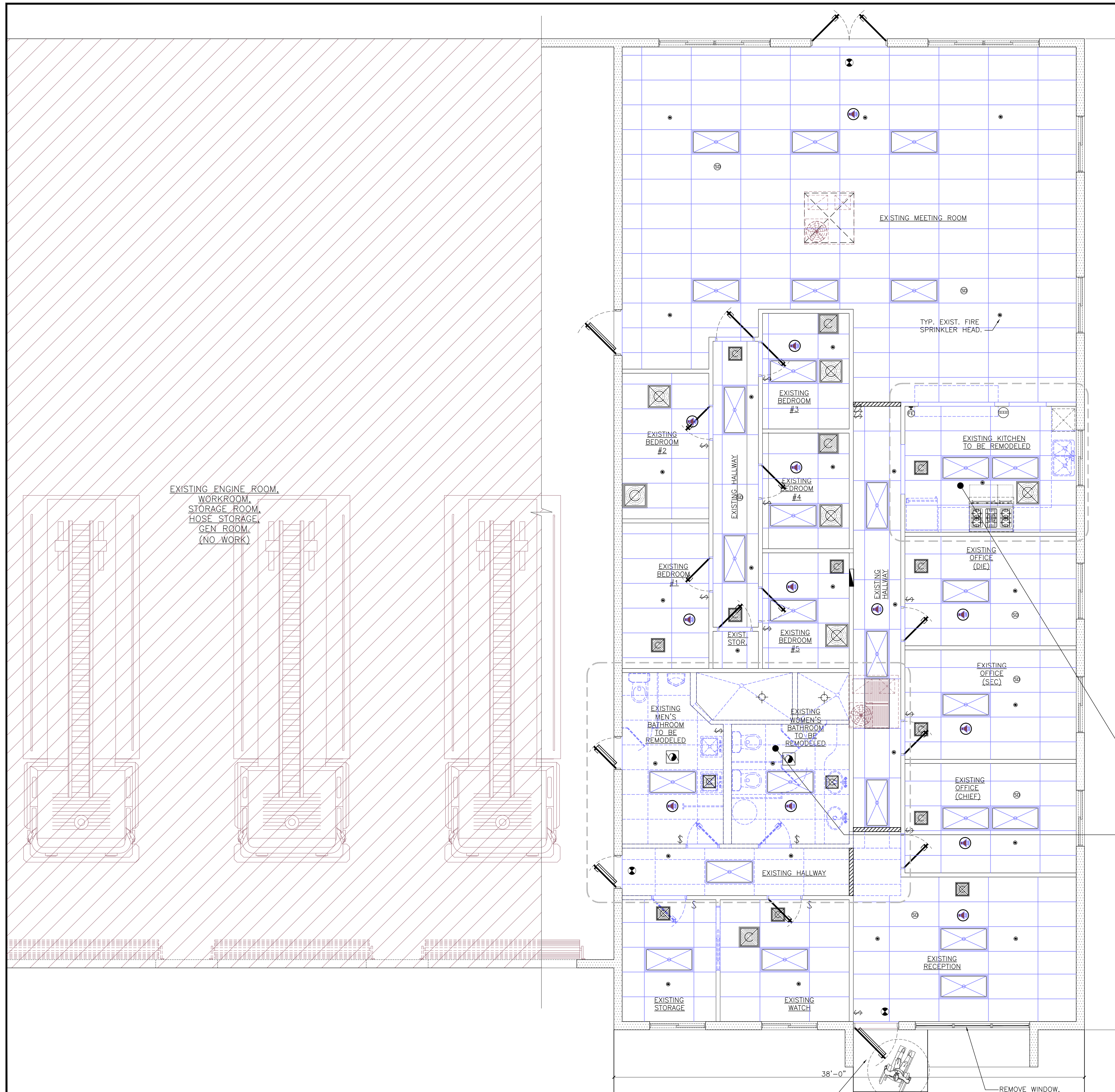
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SP1 OF 1
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WALL TYPE SCHEDULE - PLAN MAY NOT USE ALL SHOWN
ALL SYMBOLS DO NOT NECESSARILY
APPEAR IN THIS LEGEND.

| GRAPHIC | DESCRIPTION: |
|---------|--|
| | EXISTING STRUCTURAL (C.M.U.) EXTERIOR WALL TO REMAIN -UNLESS OTHERWISE NOTED AT PLANS. |
| | EXISTING STRUCTURAL (FRAME: WOOD OR METAL) EXTERIOR WALL TO REMAIN -UNLESS OTHERWISE NOTED AT PLANS. |
| | EXISTING INTERIOR PARTITION TO REMAIN -UNLESS OTHERWISE NOTED AT PLANS. |
| | INDICATES EXISTING INTERIOR PARTITION TO BE DEMOLISHED, EXIST. PLUMBING FIXTURES TO BE REMOVED, REMOVE KITCHEN COUNTER, APPLIANCES, CABINETS AND ALL ASSOCIATED COMPONENTS AS INDICATED ON PLANS. |
| | STRUCTURAL EXTERIOR WALL: 8" NOM. THICKNESS C.M.U. WALL W/ #5 GA. CALV. HORIZONTAL LADDER TYPE REINFORCING POSITIONED 16" O.C. VERTICALLY AND #5 REBAR IN 3000 PSI GROUT FILLED CELLS, SPACED AS INDICATED PER STRUCTURAL PLANS. REFER TO ELEVATIONS AND WALL SECTIONS FOR FINISH SPECIFICATIONS, TYPICAL. |
| | NEW EXTERIOR FRAME (WOOD OR METAL) BEARING WALL ASSEMBLY: 2x6 NOM. THICKNESS WOOD FRAMING OR 1 1/2"x6" METAL FRAMING AS INDICATED PER STRUCTURAL PLANS. REFER TO WALL SECTIONS FOR FINISH SPECIFICATIONS, TYPICAL. |
| | NEW INTERIOR FRAME (WOOD OR METAL) BEARING WALL ASSEMBLY: -REFER TO STRUCTURAL PLAN FOR SPECIFICATIONS AND DETAILS. -INTERIOR FINISH USE 1/2" (MIN.) PAINTED GYPSUM WALL BOARD. -USE MOISTURE RESISTANT WALL BOARD AT ALL WET LOCATIONS ('GREEN BOARD' OR 'DUROCK' AT SHOWER WALLS). |
| | NEW INTERIOR FRAME (WOOD OR METAL) NON-BEARING WALL ASSEMBLY: -REFER TO SECTION FOR SPECIFICATIONS AND DETAILS. -INTERIOR FINISH USE 1/2" (MIN.) PAINTED GYPSUM WALL BOARD (UNLESS OTHERWISE NOTED AT SECTION DETAIL). -USE MOISTURE RESISTANT WALL BOARD AT ALL WET LOCATIONS ('GREEN BOARD' OR 'DUROCK' AT SHOWER WALLS). |
| | INTERIOR NON-BEARING WALL ASSEMBLY: SAME ABOVE WITH INSULATION AS INDICATED AT FLOOR PLAN. |
| | INDICATES WINDOWS. REFER TO FLOOR PLAN FOR LOCATION AND WINDOWS SCHEDULE FOR TYPE AND SPECIFICATIONS. |
| | INDICATES DOORS. REFER TO FLOOR PLAN FOR LOCATION AND DOORS SCHEDULE FOR TYPE AND SPECIFICATIONS. |
| | INDICATES CONC. COLS. REFER TO STRUCTURAL PLAN FOR SIZE, LOCATION AND SPECIFICATIONS. |

- NOTES:**
- NOTE: WALL TYPES AND ASSEMBLIES DESCRIBED BELOW ARE TYPICAL FOR ALL PLAN VIEWS. THE INFORMATION PRESENTS A MINIMUM STANDARD OF CONSTRUCTION, HOWEVER, SPECIFIC DRAWINGS NOTES MAY DELINEATE IMPROVEMENTS TO THIS ESTABLISHED WALL HIERARCHY.
 - PROVIDE FIRE STOPPING AT MID-SPAN FOR ALL FRAMED ASSEMBLIES OVER 10'-0" IN HEIGHT AND AT ALL WALL CEILING INTERSECTIONS.
 - FRAMING GA. FOR EXTERIOR BEARING RATED FRAMED ASSEMBLY SHALL BE SPECIFIED BY STRUCTURAL ENGINEER AS APPLIES.

- SCOPE OF THE WORK.**
- EXIST. KITCHEN AREA:**
- REMOVE WALL CABINETS, BASE CABINETS, APPLIANCES AND ALL ASSOCIATED COMPONENTS AS REQUIRED TO ACCOMMODATE NEW KITCHEN LAYOUT.
 - EXIST. GAS RANGE AND GREASE HOOD TO REMAIN.
 - RELOCATE EXIST. FIRE EXTINGUISHER AS INDICATED AT NEW LAYOUT.
 - EXIST. FIRE PROTECTION SPRINKLER SYSTEM TO REMAIN. ADJUST OR ADD AS REQUIRED.
 - PROVIDE PARTIAL INT. PARTITION AS INDICATED ON THE ARCHITECTURAL PLANS.
- EXIST. (FEMALE & MALE) BATHROOMS AREA:**
- REMOVE PORTION OF EXIST. INTERIOR PARTITIONS, EXIST. DOORS W/FRAME TO BE REMOVED AND ALL ASSOCIATED COMPONENTS AS REQUIRED.
 - REMOVE EXIST. PLUMBING FIXTURES.
 - REMOVE EXISTING SUSPENDED CEILING TO ACCOMMODATE THE NEW LAYOUT.
 - RELOCATE EXIST. A/C GRILLES, SPEAKERS, LIGHTING SYSTEM AND ALL ASSOCIATED COMPONENTS AS PER NEW PLANS LAYOUT.
 - EXIST. FIRE PROTECTION SPRINKLER SYSTEM TO REMAIN.
 - REMOVE EXISTING FLOOR TILE.
- OTHER:**
- REMOVE EXISTING AIR CONDITIONING (2 ROOF TOP UNITS). REFER TO NEW SPLIT SYSTEMS ON AIR COND. MECHANICAL PLANS.
 - EXISTING CLNG. A/C DUCTS & GRILLES TO BE REPLACED.
 - EXISTING GRAY TINTED GLASS WINDOWS & EXT. SOLID DOORS TO REMAIN. REFER TO SHEET A-3.
 - REPLACE FRONT WINDOW WITH NEW FIXED GLASS, IMPACT RESISTANT WINDOW.

1 EXISTING FLOOR PLAN & DEMOLITION PLAN
SC: 1/4" = 1'-0"



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| | NEW EXTERIOR FRAME (WOOD OR METAL) BEARING WALL ASSEMBLY: 2x6 NOM. THICKNESS WOOD FRAMING OR 1 1/2" x 3 1/2" METAL FRAMING AS INDICATED PER STRUCTURAL PLANS. REFER TO WALL SECTIONS FOR FINISH SPECIFICATIONS, TYPICAL. |
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NOTES:

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- FRAMING GA. FOR EXTERIOR BEARING RATED FRAMED ASSEMBLY SHALL BE SPECIFIED BY STRUCTURAL ENGINEER AS APPLIES.

ATTENTION: WHILE DEMOLITION IS BEING DONE PROVIDE TEMPORARY SHORING TO SUPPORT ROOF IF ANY INTERIOR OR EXTERIOR BEARING WALL ARE TO BE REMOVED. NOTIFY ARCHITECT OR STRUCTURAL ENGINEERING FOR A FIELD INSPECTION TO MAKE ARRANGEMENTS TO PROVIDE SUPPORT DETAILS IF NECESSARY.

DEMOLITION PLAN SCOPE OF WORK NOTES

- BEFORE COMMENCING DEMOLITION WORK, THE G.C. OR OWNER SHALL SET UP A MEETING WITH THE ARCHITECT TO PRESENT A PROPOSED SCHEDULE OF METHOD OF SELECTED DEMOLITION, STORAGE OF ITEMS TO BE REUSED AND DISPOSAL OF ITEMS AND/OR DEBRIS FROM THE JOB SITE.
- DURING DEMOLITION, THE ARCHITECT SHALL BE NOTIFIED SHOULD THE CONTRACTOR OR OWNER UNCOVER ANY STRUCTURAL PROBLEMS.
- THE G.C. OR OWNER SHALL COORDINATE WORK OF OTHER TRADES AND SCHEDULE ELEMENTS OF ALTERATION AND RENOVATION WORK BY PROCEDURES AND METHODS TO EXPEDITE COMPLETION OF WORK.
- THE G.C. OR OWNER SHALL COORDINATE ALL DEMOLITION WORK INCLUDING ELECTRICAL, PLUMBING, MECHANICAL AND TELEPHONE/DATA.
- ASBESTOS NOTE:**
VISUAL INSPECTOR DOES NOT DETECT THE PRESENCE OF ASBESTOS. PERFORM ASBESTOS TEST PRIOR TO DEMOLITION AND SUBMIT REPORT.
- DEMOLITION CONTRACTOR OR OWNER SHALL OBTAIN ALL PERMITS REQUIRED FOR HAULING AND LEGALLY DISPOSING OF ALL EQUIPMENT AND MATERIALS BEING REMOVED UNDER THIS SCOPE OF WORK.
- DEMOLITION CONTRACTOR OR OWNER SHALL REMOVE ALL EXISTING INTERIOR PARTITIONS AND RELATED UTILITIES AS INDICATED ON PLAN.
- DEMOLITION CONTRACTOR SHALL EXECUTE ALL MEASURES POSSIBLE TO COMPLETELY CONTROL AND SEPARATE DUST FROM EXISTING REMAINING AREAS AND EQUIPMENT.
- THE AMOUNT OF DUST RESULTING FROM DEMOLITION SHALL BE CONTROLLED TO PREVENT ITS SPREAD IN ORDER TO PREVENT A NUISANCE IN THE SURROUNDING AREAS. THE USE OF WATER WILL NOT BE ALLOWED SHOULD IT RESULT IN THE CREATION OF HAZARDOUS OR OBJECTIONABLE CONDITIONS SUCH AS FLOODING.
- REMAINING EQUIPMENT SHALL BE COVERED AT ALL TIMES TO PROTECT FROM DUST.
- EXISTING BUILDING SHALL BE PROTECTED FROM ANY DAMAGE. ANY DAMAGED COMPONENT OF THE EXISTING BUILDING CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE DEMOLITION CONTRACTOR. SUCH REPAIR WORK SHALL BE AT THE EXPENSE OF THE DEMOLITION CONTRACTOR.
- AT THE END OF THE DAY, THE DEMOLITION CONTRACTOR SHALL CLOSE AREAS OF WORK FROM THE PUBLIC AND PROVIDE THE NECESSARY BARRICADES.
- USE OF EXPLOSIVES SHALL NOT BE PERMITTED.
- USE OF FIRE FOR DEMOLITION PURPOSES OR DISPOSAL OF MATERIAL OR FOR ANY OTHER PURPOSE, SHALL NOT BE PERMITTED.
- ALL WORK AND CONTRACT OPERATIONS SHALL COMPLY WITH THE STATE OF FLORIDA AND BROWARD COUNTY ENVIRONMENTAL PROTECTION RESTRICTIONS.
- TITLE TO MATERIAL AND EQUIPMENT DESIGNATED FOR DEMOLITION AND REMOVAL EXCEPT ITEMS INDICATED TO BE TURNED OVER TO THE OWNER IS VESTED TO THE DEMOLITION CONTRACTOR AT COMMENCEMENT OF WORK. THE OWNER WILL NOT BE RESPONSIBLE FOR THE CONDITION, LOSS OR DAMAGE TO SUCH PROPERTY AFTER NOTICE TO PROCEED.
- REMOVE AND TRANSPORT DEBRIS IN LEAK-FREE CONTAINERS IN A MANNER TO PREVENT SPILLAGE ON ANY PART OF THE EXISTING BUILDING, PARKING AREA OR CITY STREETS.
- DEMOLITION CONTRACTOR SHALL PROVIDE PROTECTION FROM DAMAGE FOR THOSE REMAINING ADJACENT AREAS WHICH MAY BE EXPOSED BY CUTTING AND PATCH WORK.
- CONTRACTOR SHALL CUT, MOVE OR REMOVE ITEMS AS REQUIRED TO PROVIDE CLEAR ACCESS OR TO ALLOW ALTERATIONS AND NEW WORK TO PROCEED. INCLUDE SUCH ITEMS AS:
-REPAIR OR REMOVAL OF HAZARDOUS OR UNSANITARY CONDITIONS.
-REMOVAL OF ABANDONED ITEMS AND SERVING NO USEFUL PURPOSE INCLUDING BUT NOT LIMITED TO ABANDONED PIPES, CONDUIT, WIRING AND METAL DUCTS.
-REMOVAL OF UNSUITABLE OR EXTRANEOUS MATERIALS NOT MARKED FOR SALVAGE, INCLUDING BUT NOT LIMITED TO ABANDONED EQUIPMENT AND DEBRIS, ROTTED WOOD, RUSTED METAL AND DETERIORATED CONCRETE.
- FACILITY TO REMAIN IN OPERATION DURING CONSTRUCTION.

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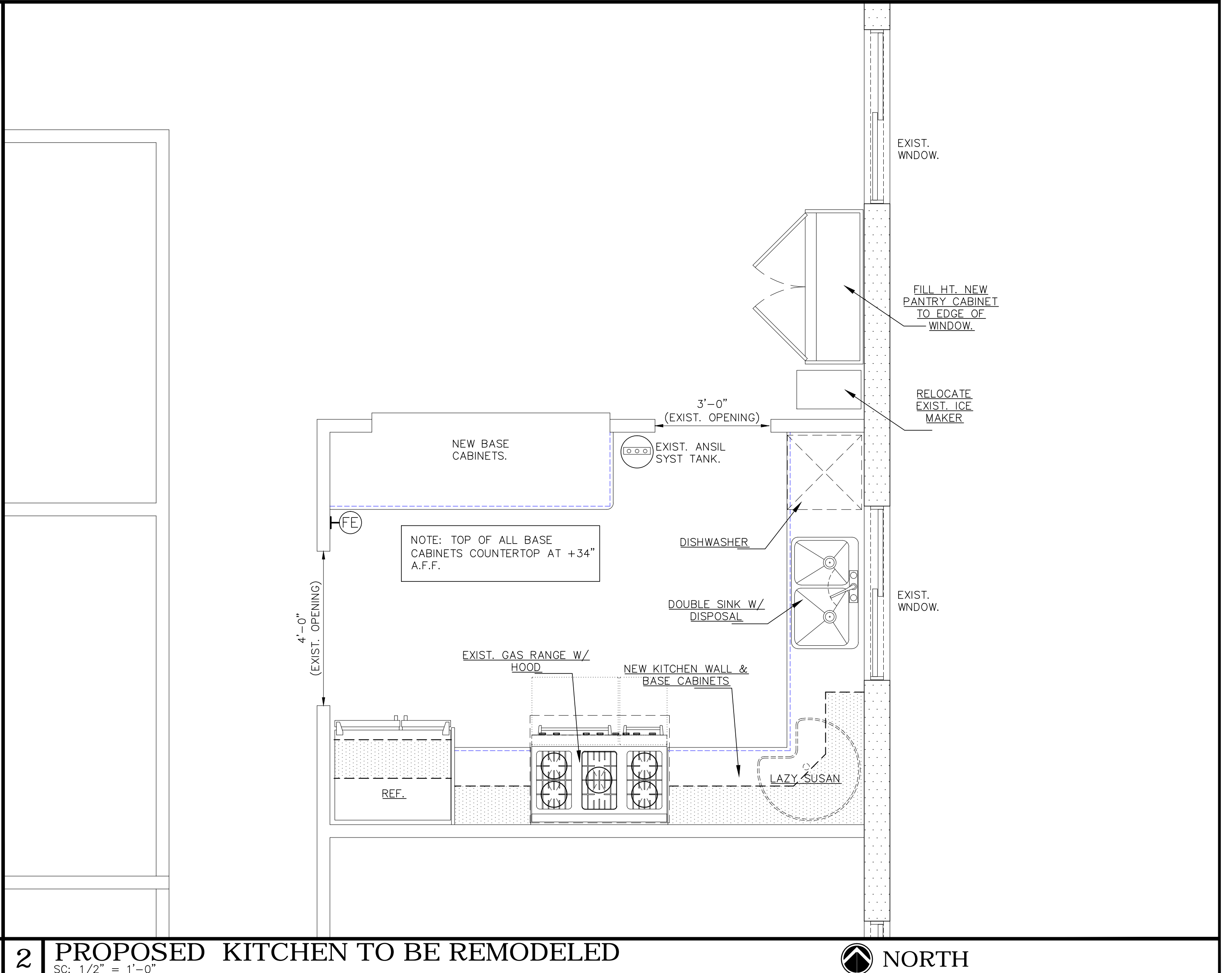
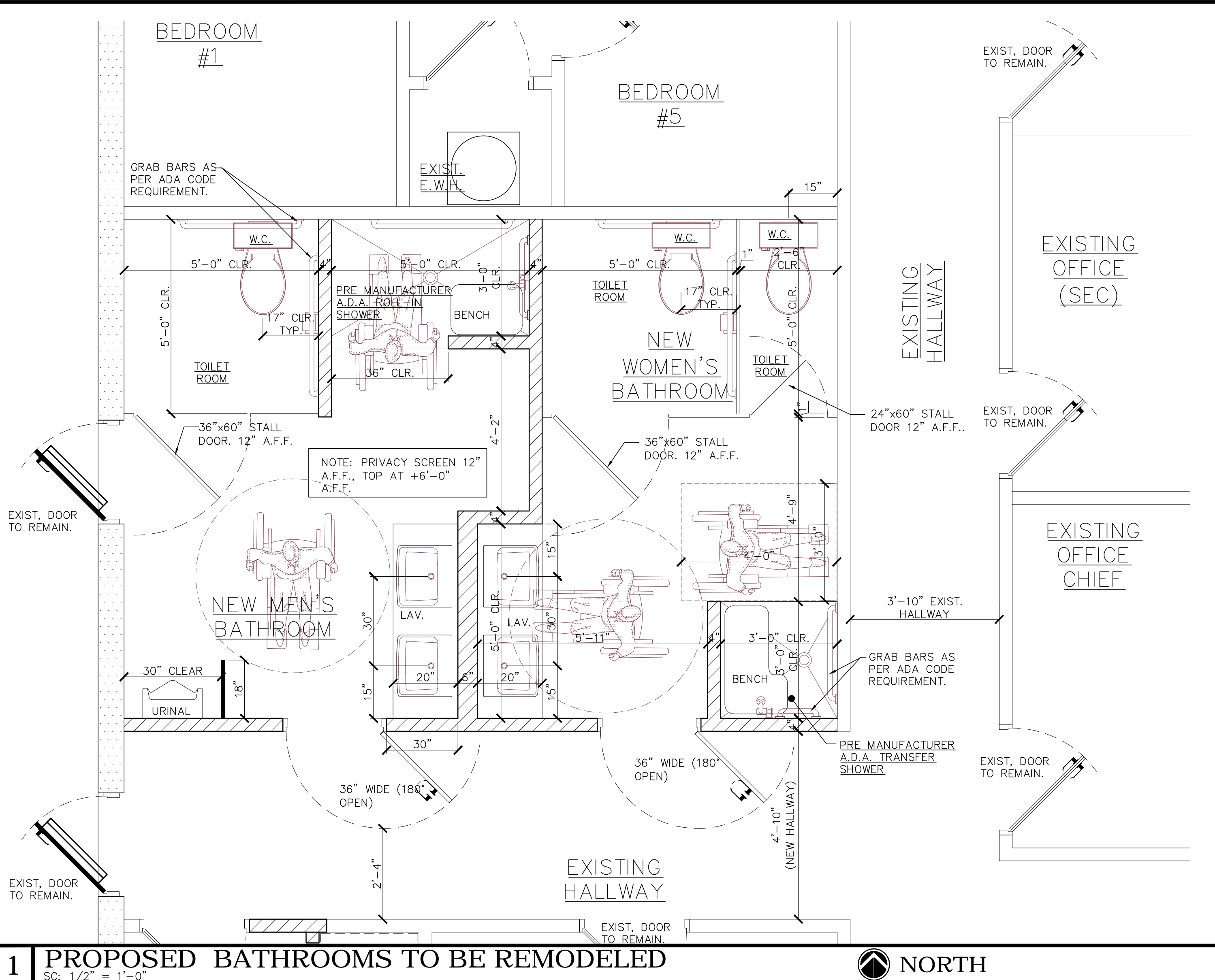
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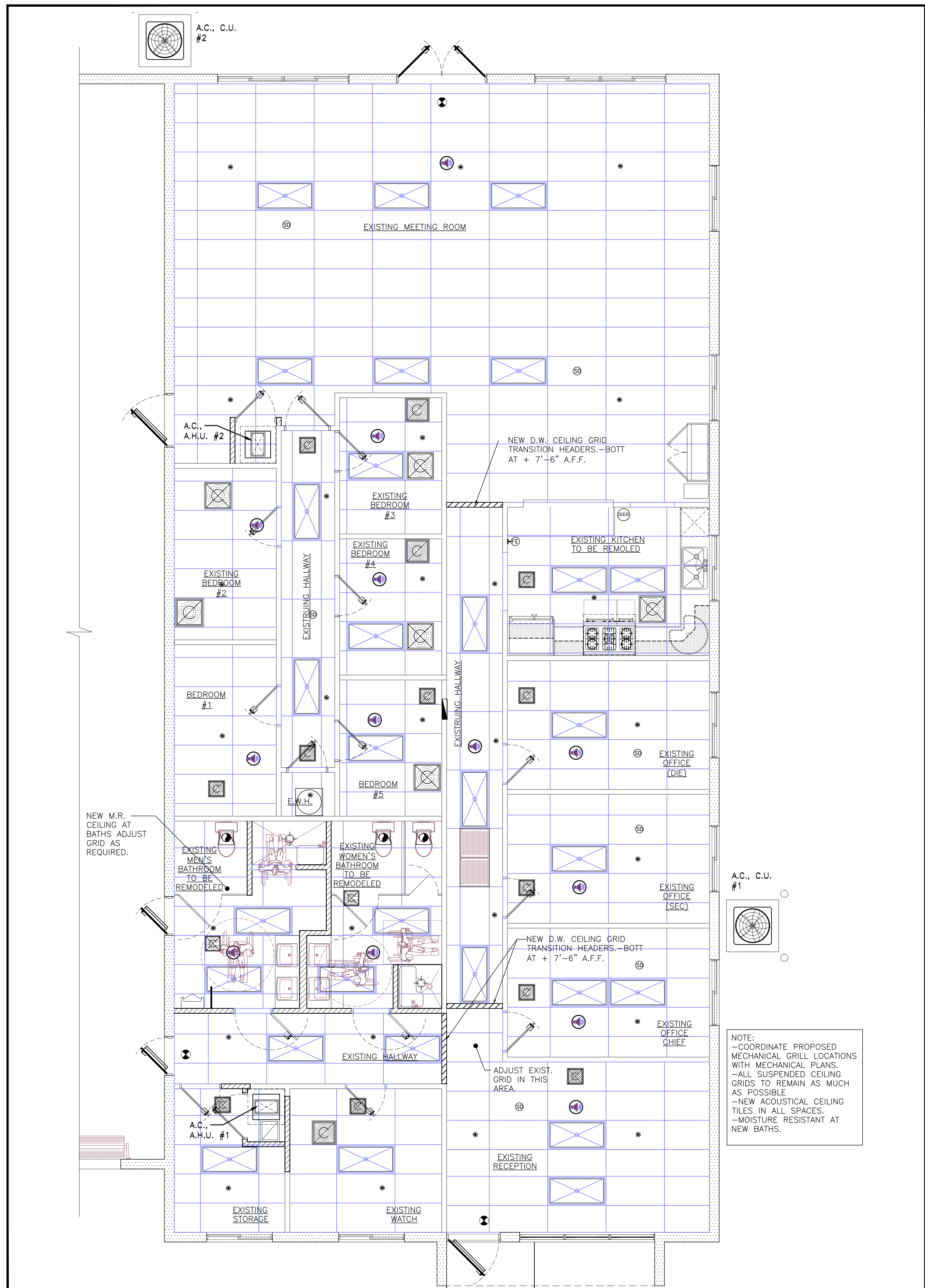
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A2 OF 1
OF 15 SHEETS





1 EXIST. REFLECTED CLNG. PLAN & PARTIAL NEW LAYOUT
 SC: 1/4" = 1'-0" NORTH

NOTE:
 -COORDINATE PROPOSED MECHANICAL GRILL LOCATIONS WITH MECHANICAL PLANS.
 -ALL SUSPENDED CEILING GRIDS TO REMAIN AS MUCH AS POSSIBLE
 -NEW ACOUSTICAL CEILING TILES IN ALL SPACES.
 -MOISTURE RESISTANT AT NEW BATHS.

| GENERAL LEGEND | |
|----------------|-------------------------------------|
| FIRE | |
| SYMBOL | DESCRIPTION |
| | SMOKE DETECTOR. |
| | EXISTING VALVE ACCESS. |
| | CLNG. SPRINKLER |
| | WALL MOUNTED SPRINKLER |
| | FIRE EXTINGUISHER |
| | ALARM SYSTEM KEYPAD |
| | FIRE ALARM HORN/STROBE COMBINATION. |
| | STROBE |
| | PULL STATION |

| GENERAL LEGEND | |
|----------------|--|
| ELECTRICAL | |
| SYMBOL | DESCRIPTION |
| | EXIT LIGHT, 120V: W/ 90-MINUTE BATTERY BACK-UP, WIRED AHEAD TO EXISTING CIRC. BREAKER. |
| | EMERGENCY LIGHT/EXIT SIGN LT. COMBINATION, 120V: W/ 90-MINUTE BATTERY BACK-UP, WIRED TO EXIST. "B-4" C.B. TO REMAIN. |
| | EMERGENCY LIGHT, 120V: W/ 90-MINUTE BATTERY BACK-UP, WIRED TO EXIST. "B-4" C.B. TO REMAIN. |
| | 2' X 4' FLOOR LAMP WITH ACRYLIC LENS. (4 LAMPS) |
| | 2' X 2' FLOOR LAMP WITH ACRYLIC LENS (4 LAMPS) |
| | SWITCH, SINGLE POLE M.H. + 48" A.F.F. |
| | 3 WIRED GROUNDED DUPLX RECEP. |
| | ELECTRICAL CIRCUIT BREAKER PANEL |
| | EXHAUST CEILING FAN |
| | WALL MOUNTED LIGHT FIXTURE |
| | SURFACE MOUNTED LIGHT FIXTURE |
| | SIGN |
| | 3 WIRED GROUNDED DUPLX RECEP. |
| | 3 WIRED GROUNDED FOURPLEX RECEP. |
| | TELEPHONE OUTLET |
| | DATA |

| GENERAL LEGEND | |
|----------------|---|
| MECHANICAL | |
| SYMBOL | DESCRIPTION |
| | EXISTING A/C SUPPLY CEILING GRILL TO REMAIN. |
| | INDICATES A/C RETURN AIR CEILING GRILL TO REMAIN. |
| | THERMOSTAT CONTROL |

| OTHERS | |
|--------|------------------|
| SYMBOL | DESCRIPTION |
| | AUDIO SPEAKER |
| | SECURITY CAMERA. |

| WALL TYPE SCHEDULE | |
|----------------------|---|
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| | NEW INTERIOR FRAME (WOOD OR METAL) NON-BEARING WALL ASSEMBLY: -REFER TO SECTION FOR SPECIFICATIONS AND DETAILS. -INTERIOR FINISH USE 1/2" (MIN.) PAINTED GYPSUM WALL BOARD (UNLESS OTHERWISE NOTED AT SECTION DETAILS). -USE MOISTURE RESISTANT WALL BOARD AT ALL WET LOCATIONS ('GREEN BOARD' OR 'DUROCK' AT SHOWER WALLS). |
| | INTERIOR NON-BEARING WALL ASSEMBLY: SAME ABOVE WITH INSULATION AS INDICATED AT FLOOR PLAN. |
| | INDICATES WINDOWS. REFER TO FLOOR PLAN FOR LOCATION AND WINDOWS SCHEDULE FOR TYPE AND SPECIFICATIONS. |
| | INDICATES DOORS. REFER TO FLOOR PLAN FOR LOCATION AND DOORS SCHEDULE FOR TYPE AND SPECIFICATIONS. |
| | INDICATES CONC. COLS. REFER TO STRUCTURAL PLAN FOR SIZE, LOCATION AND SPECIFICATIONS. |

NOTES:
 1. NOTE: WALL TYPES AND ASSEMBLIES DESCRIBED BELOW ARE TYPICAL FOR ALL PLAN VIEWS. THE INFORMATION PRESENTS A MINIMUM STANDARD OF CONSTRUCTION. HOWEVER, SPECIFIC DRAWINGS NOTES MAY DELINEATE IMPROVEMENTS TO THIS ESTABLISHED WALL HIERARCHY.
 2. PROVIDE FIRE STOPPING AT MID-SPAN FOR ALL FRAMED ASSEMBLIES OVER 10'-0" IN HEIGHT AND AT ALL WALL CEILING INTERSECTIONS.
 3. FRAMING GA. FOR EXTERIOR BEARING RATED FRAMED ASSEMBLY SHALL BE SPECIFIED BY STRUCTURAL ENGINEER AS APPLIES.

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**Proposed Interior Remodeling for:
 Wilton Manors Fire Station #16
 533 Northeast 22 Street
 Wilton Manors, Florida 33305**

GUSTAVO J. CARBONELL
 ARCHITECT, P.A.
 FLORIDA REGISTRATION
 AR NO. 0007957
 AA NO. 26001131

DRAWN/CK'D:
 S.L.R. / G.J.C.
 DATE ISSUED:
 August 2016
 GJC PROJECT:
 16-027

A4 OF 1
 OF 15 SHEETS

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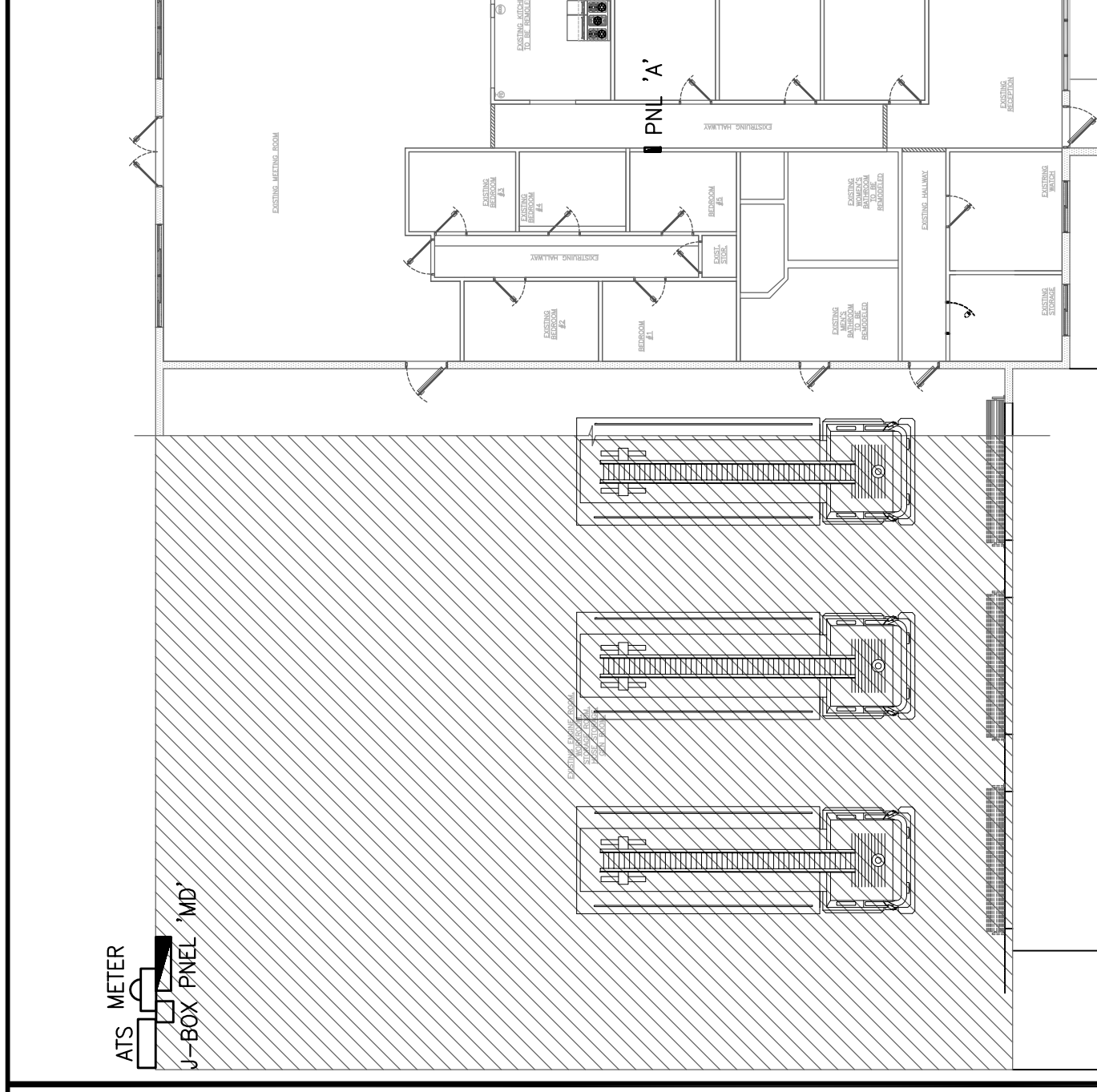
FLORIDA REGISTRATION
A.A. NO. 2600131

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DATE ISSUED:
09-09-16

G.C. PROJECT:
16-027

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SHEETS



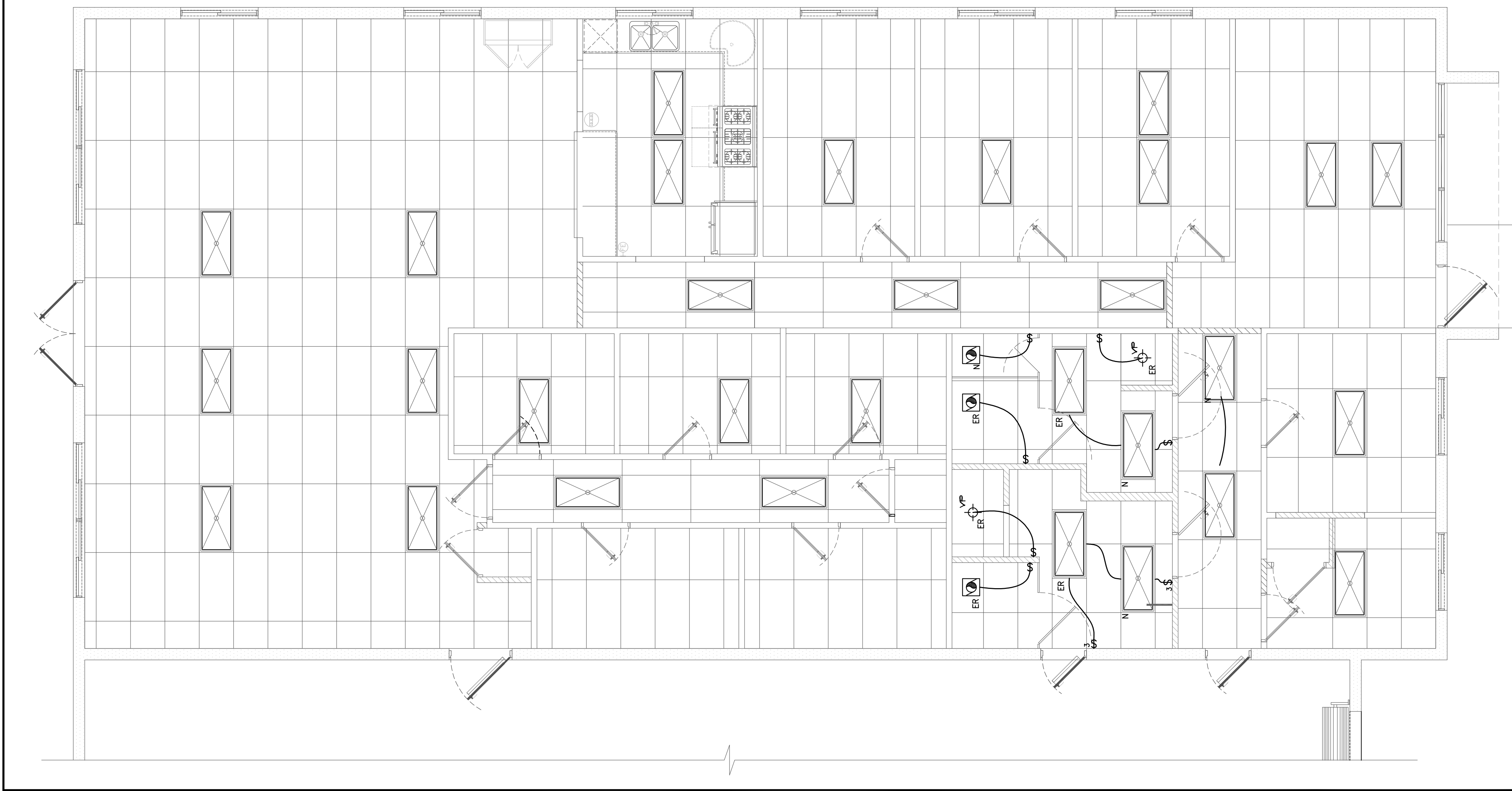
3 KEY PLAN
SC: 1/4" = 1'-0"

| SYMBOL | DESCRIPTION |
|--------|--|
| | 2' x 4' FLUORESCENT LIGHT FIXTURE WITH ACRYLIC LENS, TO MATCH EXISTING (4 LAMPS F3218) |
| | SURFACE MOUNTED LIGHT FIXTURE |
| | EXHAUST CEILING FAN |

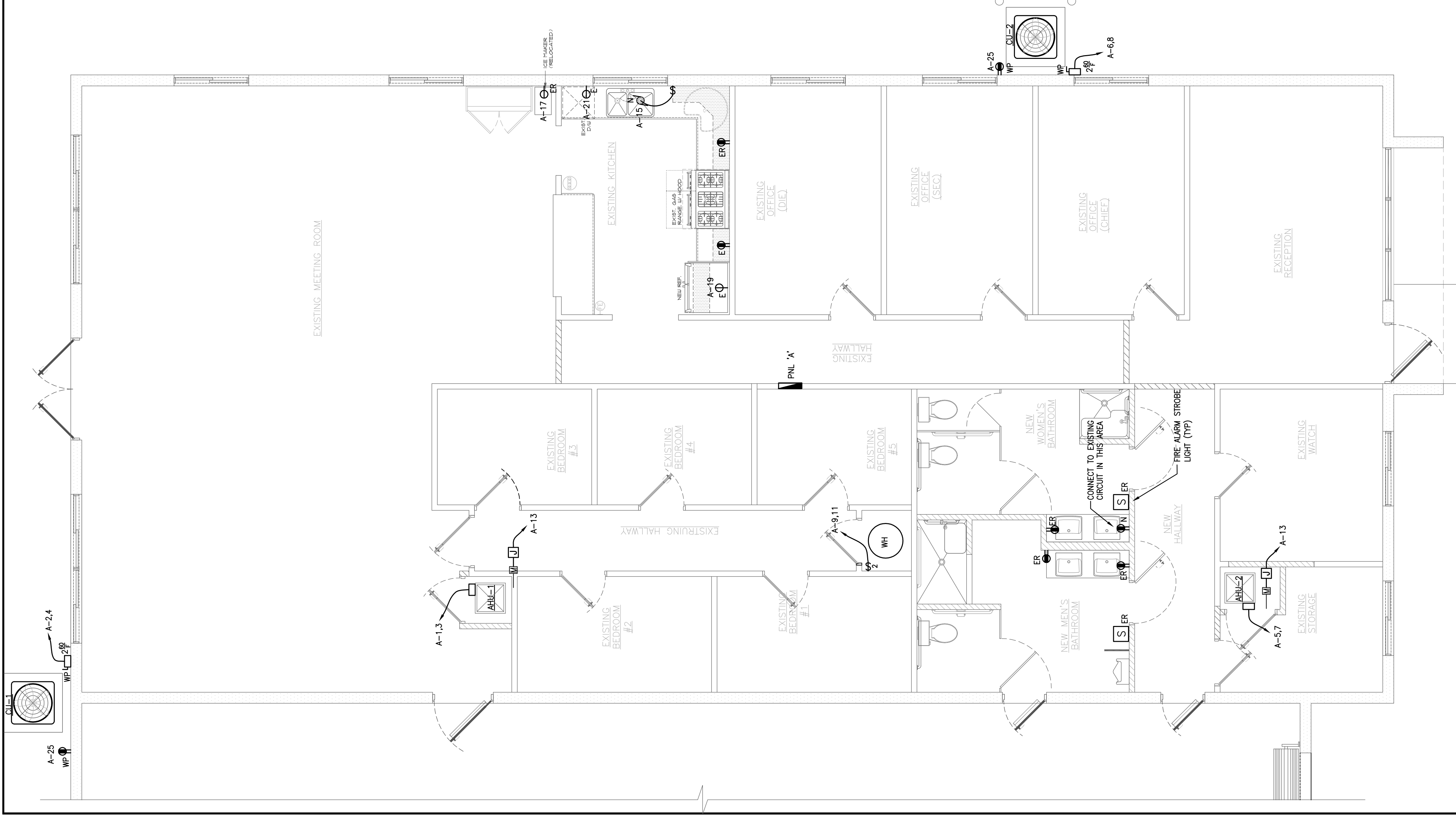
NOTES:
1- IN EXISTING/RELOCATED RECEPTACLES AND LIGHT FIXTURES TO REMAIN CONNECTED TO CORRESPONDING EXISTING CIRCUITS. ELECTRICAL DEVICES NOT SHOWN ON THIS PLAN TO REMAIN CONNECTED TO CORRESPONDING EXISTING CIRCUITS.



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2 REFLECTED CEILING PLAN
SC: 1/4" = 1'-0"



1 POWER PLAN
SC: 1/4" = 1'-0"

NORTH

NORTH

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G.C. PROJECT:
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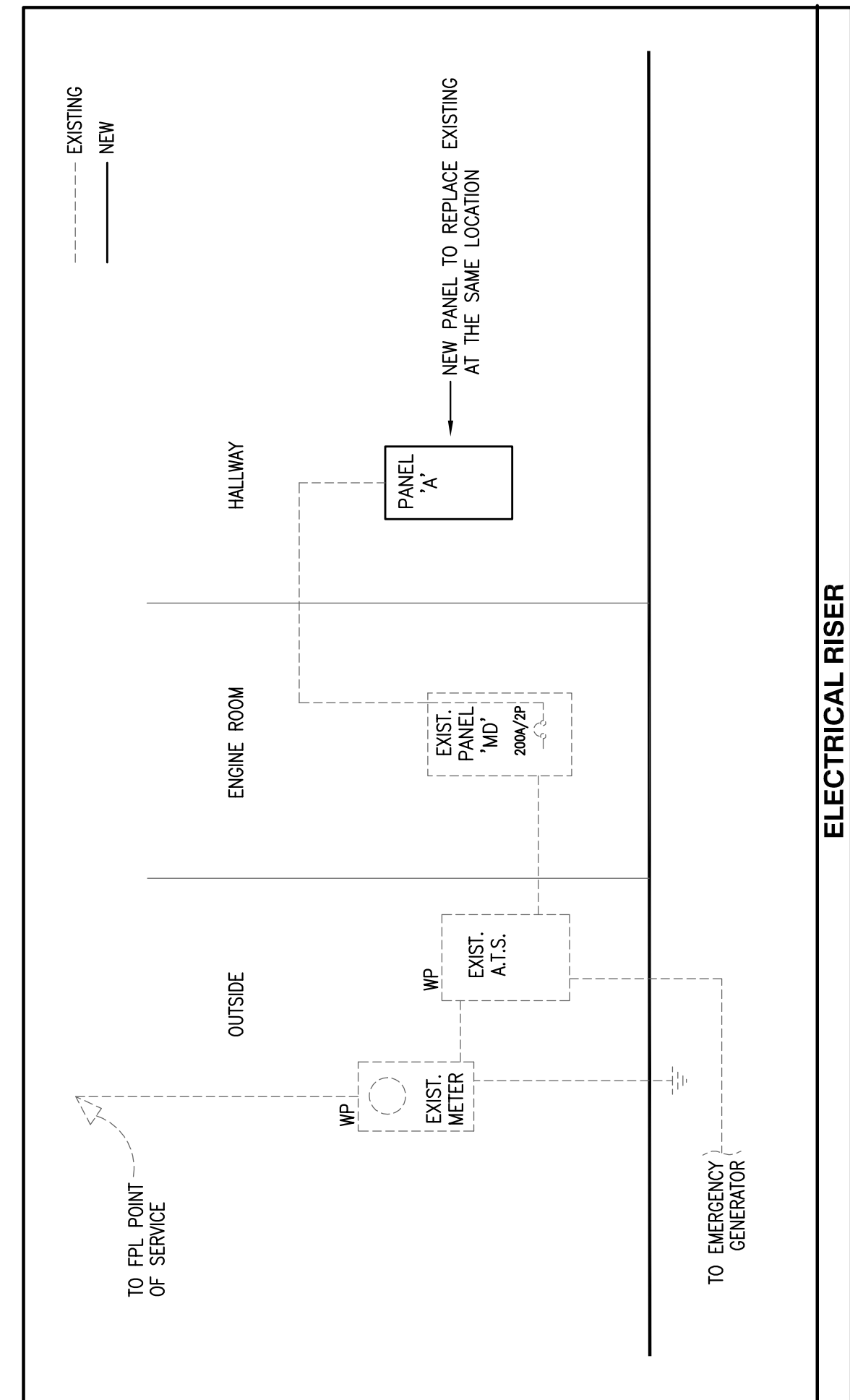
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ELECTRICAL NOTES

- THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), AND THE 2014 EDITION OF THE FLORIDA BUILDING CODE AND ANY OTHER APPLICABLE FEDERAL, STATE AND LOCAL ORDINANCES.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. SAID CONTRACTOR SHALL MEET ALL REQUIREMENTS SET FORTH BY ANY LOCAL ORDINANCE AND GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL PROVIDE ALL REQUIRED INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND EQUIPMENT TO BE INSTALLED TO BE FREE FROM DEFECTS FOR A PERIOD OF LESS THAN (1) YEAR FROM DATE OF FINAL ACCEPTANCE.
- IT SHALL NOT BE THE INTENT OF THESE PLANS AND SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. CONTRACTOR SHALL FURNISH AND INSTALL ANY ADDITIONAL CONDUIT, BOXES AND WIRING NECESSARY FOR A COMPLETE ELECTRICAL SYSTEM FROM PROPER WORKING CONDENS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FOR ALL PERMITS, SURFACES, EQUIPMENT, ETC. CAUSED DURING THE PERFORMANCE OF WORK.
- CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT DELAY. ADDITIONAL CHARGE OR DELAYS SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- THE CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY ALL CONDITIONS, SPECIFICATIONS AND POSSIBLE OBSTACLES PRIOR TO BIDDING ON HIS WORK. NO EXTRAS TO HIS CONTRACT WILL BE ALLOWED FOR FAILURE TO COMPLY WITH THIS REQUIREMENT.
- THE CONTRACTOR SHALL NOT SCALE THE ELECTRICAL DWGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR SO THAT INTERFERENCE WITH OTHER TRADES BE AVOIDED.
- IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO ACCOMPLISH THE WORK AS SHOWN AND/OR NOTED ON THE PLANS.
- IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR FOR THE ADVANCE ORDERING OF LONG LEAD ITEMS, AS TO NOT INTERFERE WITH THE WORK OF OTHER TRADES. CONTRACTOR SHALL NOT ORDER ANY ITEMS UNTIL APPROVED SHOP DINGS ARE RETURNED TO HIM.
- CONTRACTOR SHALL COORDINATE SERVICES WITH THE RESPECTIVE UTILITY COMPANIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF CEILING CONSTRUCTION BEFORE ORDERING OR INSTALLING ANY LIGHT FIXTURES.
- ALL CONDUCTORS SHALL BE STRANDED COPPER, TYPE THHN/THWN, UNLESS OTHERWISE REQUIRED BY U.L. OR ANY OTHER LISTED APPROVED WIRE SIZE SHALL BE 12 AWG, EXCLUDING CONTROL WIRING.
- ALL CONDUCTORS SHALL BE IN CONDUITS. CONDUITS SHALL BE GALVANIZED RIGID STEEL (GRG) EXCEPT THAT: (A) PVC CONDUITS MAY BE USED UNDERGROUND PROVIDED ELBOWS AND RISERS ARE GRG; (B) ELECTRICAL METALLIC TUBING (EMT) MAY BE USED IN OR ON WALLS OR CEILING PROVIDED IT IS PROTECTED FROM MECHANICAL DAMAGE; (C) LIQUIDTIGHT FLEXIBLE CONDUIT WHERE REQUIRED; (D) FLEXIBLE METALLIC CONDUIT WHERE REQUIRED IN DRY LOCATIONS ONLY. ALL CONDUITS IN HAZARDOUS AREAS (PER NEC) SHALL MEET THE REQUIREMENTS REQUIRED BY CODE.
- CONDUITS SHALL BE IDENTIFIED (AS PERFS 60) TO ALL FLEXIBLE CONDUITS IN SLABS OR UNDERGROUND. EMT IS NOT PERMITTED IN SLABS. ALUMINUM CONDUITS ARE NOT PERMITTED ANYWHERE.
- FLEXIBLE CONDUIT SHALL BE USED FOR CONNECTIONS TO VIBRATING EQUIPMENT AND RECESSED LIGHT FIXTURES, WHERE PERMITTED BY CODE.
- FOR UNDERGROUND ELECTRICAL CONDUITS, PROVIDE PULL BOXES WHICH ARE DEGRADED FOR THE PULL BOXES. PROVIDE SCHEDULE 40 PIPES FOR THE TRENCHES AND WITH IRON COVERS. WARNING TAPES WHICH ABOVE BURIED ELECTRICAL CONDUITS SHALL BE PLACED IN TRENCHES AND SHALL BE IDENTIFIED. ALL CONDUITS SHALL BE PROTECTED FROM MECHANICAL DAMAGE OR BE NOT UNDER PAVED AREAS. THEY SHALL BE SCHEDULE 40 PVC ELBOWS AND RISERS SHALL BE GRG.
- ALL CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. THE EXACT ROUTING SHALL BE DETERMINED IN THE FIELD, UNLESS NOTED OTHERWISE.
- PROVIDE FIRE RETARDANT U.L. APPROVED SEALANT ON ALL PENETRATIONS, WALLS AND STRUCTURAL SLABS. SEALANT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PROVIDE ALL CONDUITS PRIOR TO SUBMITTING BID. THE LOCATIONS OF ALL SUCH FIRE RATED PARTITIONS, WALLS, AND STRUCTURAL SLABS.
- UNLESS NOTED AS EXISTING, ALL EQUIPMENT, WIRING, DEVICES, ETC. SHALL BE NEW.
- A PULL WIRE OR CORD SHALL BE INSTALLED IN ALL EMPTY CONDUITS.
- ALL DISCONNECT SWITCHES SHALL BE SIZED BY NEC REQUIREMENTS TO ACCOMMODATE THE EQUIPMENT SERVED, INCLUDING REJECTION CLIPS AND FUSES. SWITCHES SHALL BE HP RATED FOR MAXIMUM HORSEPOWER.
- CONTRACTOR SHALL VERIFY CIRCUIT PROTECTIVE DEVICE RATING FOR EQUIPMENT PRIOR TO INSTALLATION.
- ALL FUSES SHALL BE CURRENT LIMITING, PER U.L. RATED 600V OR 250V AS REQUIRED, WITH:
 - NON TIME DELAY FUSES IN MAIN SWITCHES AND SWITCHES FEEDING PANELS.
 - DUAL ELEMENT TIME DELAY FUSES FOR MOTORS AND HVAC EQUIPMENT.
- MOTORS STARTERS SHALL BE MANUAL OR MAGNETIC AS INDICATED OR REQUIRED, WITH OVERLOAD RELAYS OR FUSES IN EACH HOT LEG.
- FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR AIR CONDITIONING SYSTEMS AS PER MANUFACTURER'S NAMEPLATE RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY THE CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- ALL CIRCUIT BREAKERS SHALL BE OF THE INVERSE TIME TYPE (THERMAL-MAGNETIC). TWO AND THREE POLE CIRCUIT BREAKERS SHALL BE COMMON TRIP. THE HANDLES ARE NOT PERMITTED.
- ALL ELECTRICAL EQUIPMENT SHALL BE RAIN TIGHT (NEMA 3R) WHERE EXPOSED TO THE WEATHER. ALL FLEX CONDUITS CONNECTED TO SUCH EQUIPMENT SHALL BE LIQUID TIGHT.
- OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, AND SHALL BE GALVANIZED RIGID STEEL IN WET LOCATIONS. ALL TUBING AND SPECIAL ENCLOSURES AS REQUIRED FOR OTHER CLASSIFIED AREAS, U.O.N.
- PROVIDE ALL FIXTURES WITH LAMPS, VERIFY TYPE WITH MANUFACTURER.
- ALL OPENINGS FOR LIGHT FIXTURES IN CEILINGS SHALL BE PROTECTED IN A MANNER (PER ALL GOVERNING CODES) THAT WILL PROVIDE THE SAME RATING AS THE CEILING. THIS APPLIES TO ALL FIRE RATED CEILINGS.
- ELECTRICAL CONTRACTOR SHALL VERIFY THE CEILING FINISHES AND SUPPORT STRUCTURES FOR LIGHTING FIXTURES, TRIMS AND LIGHTING SWITCHES AND/OR DIMMERS SHALL BE GANGED TOGETHER WHERE SHOWN TOGETHER.
- ALL CONNECTIONS TO GROUND RODS SHALL BE MADE WITH UL APPROVED WELDED CONNECTIONS, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL FORM A GROUNDING ELECTRODE SYSTEM AS PER NEC ARTICLE 250.
- ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN ACCESSIBLE AREAS ONLY.
- THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES.
- LIGHTING FIXTURES DESCRIBED HEREIN ARE INTENDED TO INDICATE THE GENERAL FIXTURE TYPE, WHICH SHALL BE SUBSTITUTED AS REQUIRED. THE CONTRACTOR SHALL VERIFY THE PRODUCT AS REQUIRED. THE PRODUCT OF PARTICULAR MANUFACTURER WHOSE PRODUCT IS SPECIFIED.
- CONNECT ALL EMERGENCY AND EXIT LIGHTS TO INDICATED CIRCUITS AHEAD OF ANY SWITCH.
- PROPER PLASTER RINGS SHALL BE USED WITH OUTLET BOXES. PLASTER RINGS SHALL BE A MAXIMUM OF 1/8" FROM THE FINISHED SURFACE OF THE DRYWALL AFTER THE DRYWALL IS INSTALLED. PROPER COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND THE PLASTER CONTRACTOR IS REQUIRED. ALL OUTLET BOXES SHALL BE SECURELY FASTENED. ANY AND ALL IMPROPERLY INSTALLED PLASTER RING OR OUTLET BOXES SHALL BE REMOVED AND A NEW RING OR OUTLET INSTALLED AT THE CONTRACTOR'S EXPENSE.
- APPROVAL SHALL BE OBTAINED FROM AN STRUCT. ENGINEER PRIOR TO CUTTING OR DRILLING ANY STRUCTURAL SUPPORT MEMBER.
- INSTALL POWER AND CONTROL WIRING AND REQUIRED CONTROL COMPONENTS FOR A/C SYSTEMS AS SHOWN/NOTED ON THESE DRAWINGS AND PER OTHER APPLICABLE DRAWINGS/INSTRUCTIONS. SEE AIR CONDITIONING DRAWING.
- ALL MATERIAL REMOVED SHALL BE DISPOSED OF AS DIRECTED BY OWNER.
- EMPTY CONDUITS TO BE PROVIDED WITH NYLON PULL STRINGS.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL WIRING, BRG, EMT, ETC. TO BE INSTALLED. THE CONTRACTOR SHALL VERIFY THE FEEDER CHANGES BEING AFFECTED BY THIS CHANGE. CONTRACTOR SHALL MAKE ABOVE MENTIONED CHANGES AT NO EXTRA COST.
- CONTRACTOR SHALL COORDINATE ALL HIS WORK WITH OTHER TRADES IN ORDER TO FURNISH AND INSTALL ALL CONTROL WIRING AND RACEWAYS AS SHOWN ON THE A/C DRAWINGS AND/OR PER THE CONTRACTOR'S OWNERS. ALL WIRING SHALL BE TO MANUFACTURER'S WORKING DRAWINGS. THE CONTRACTOR SHALL VERIFY WITH SAID MANUFACTURER ALL REQUIREMENTS AND INCLUDE ALL RELATED WORK IN HIS CONTRACT.
- ALL LUMINAIRES SHALL BE PROPERLY SUPPORTED IN ACCORDANCE WITH THE CEILING SYSTEM MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODE REQUIREMENTS.
- THIS DRAWING IS A GUIDE FOR THE ELECTRICAL INSTALLATION. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A FUNCTIONING SYSTEM.
- ALL CABLES SHALL BE RUN WITHOUT SPLICES, U.O.N.
- EXACT POINT/METHODS OF CONNECTION SHALL BE DETERMINED IN THE FIELD.
- ALL RACEWAY ROUTED INSULATED CONDUCTORS SYSTEM SHALL BE COLOR CODED AS FOLLOWS:
 - 120/208 V SYSTEM:
 - PHASE 'A' BROWN
 - PHASE 'B' BLACK
 - PHASE 'C' BLUE
 - NEUTRAL WHITE (see note below)
 - GROUND GREEN
 - 277/480 V SYSTEM
 - PHASE 'A' BROWN
 - PHASE 'B' YELLOW
 - PHASE 'C' NEUTRAL GRAY
 - GROUND GREEN

ELECTRICAL LEGEND

- (USE THOSE THAT APPLY)
- \$ 120/277 V, 20 AMP, SINGLE POLE LIGHT SWITCH.
 - \$ 3 120/277 V, 20 AMP, THREE WAY SWITCH.
 - \$ 0 120/277 V, 20 AMP, DIMMER SWITCH
 - \$ 0 6 OCCUPANCY SENSOR WITH WALL SWITCH, SENSORSWITCH, 120/277 MSX PWT OR EQUAL.
- ELECTRICAL PANEL
- DISCONNECT SWITCH, 2" MIN. SQUARE, 1" MIN. RADIUS POSE SIZE AS RECOMMENDED BY EQUIPMENT MANUFACTURER.
 - TOILET EXHAUST FAN
 - 250V SPECIAL PURPOSE RECEPTACLE
 - 20 A, 120V, V, DUPLEX RECEPTACLE, GROUNDING TYPE, U.O.N. MOUNTED 18" A.F.F. OR AS DIRECTED BY ARCHITECT.
 - 20A, 120V SINGLE RECEPTACLE
 - 20A, 120V GFI DUPLEX RECEPTACLE
 - 20 A, 120V, V, GFI DUPLEX RECEPTACLE, GROUNDING TYPE, U.O.N. MOUNTED 18" A.F.F. OR AS DIRECTED BY ARCHITECT.
 - PHONE/DATA OUTLET @ +18" A.F.F. OR AS DIRECTED BY ARCHITECT. (I BOX W/3/4" EMPTY CONDUIT TO CEILING SPACE). PROVIDE PULL STRING.
 - WEATHERPROOF
 - NEW DEVICE
 - EXISTING TO REMAIN



ELECTRICAL RISER

| BUS RATING 255A MAINS 60 POLES 60 FEDDER SEE RISER NEUTRAL SEE RISER | | | | | | | | | | | | |
|--|--------------------------|------|------|------|-------|------|------|-----------------|------|------|-----------|-----------|
| TYPE | SERVICES, 80, GEOR EQUAL | TRIP | TRIP | CON | PH | PH | CON | CON | CON | CON | VA | |
| PKT | SERVICES | POLE | POLE | WIRE | WIRE | WIRE | WIRE | WIRE | WIRE | WIRE | VA | |
| | | | | | | | | | | | | |
| 1 | AHU-1 | 352 | 3 | 12 | 6,856 | • | 2 | CL-1 | 8 | 12 | 5,900 (1) | |
| 2 | AHU-2 | 352 | 3 | 12 | 6,856 | • | 4 | CL-1,2 | 8 | 12 | 4,602 (1) | |
| 3 | WATER HEATER | 302 | 10 | 12 | 4,500 | • | 10 | EXIST. LIS. | 201 | 12 | 12 | 1,260 (2) |
| 4 | MOTORIZED DAMPERS | 201 | 12 | 12 | 200 | • | 12 | EXIST. LIS. | 201 | 12 | 12 | 1,260 (2) |
| 5 | GARAGE DISPENSER | 201 | 12 | 12 | 800 | • | 16 | EXIST. RECEPTS. | 201 | 12 | 12 | 1,260 (2) |
| 6 | EXIST. DRINK/WASHER | 201 | 12 | 12 | 800 | • | 20 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 7 | EXIST. DRINK/WASHER | 201 | 12 | 12 | 800 | • | 30 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 8 | EXIST. HOOD | 201 | 12 | 12 | 500 | • | 24 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 9 | NEW RECEPTAGLES | 201 | 12 | 12 | 500 | • | 26 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 10 | EXIST. RECEPTS. | 201 | 12 | 12 | 500 | • | 28 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 11 | EXIST. RECEPTS. | 201 | 12 | 12 | 500 | • | 30 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 12 | EXIST. RECEPTS. | 201 | 12 | 12 | 500 | • | 34 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 13 | EXIST. RECEPTS. | 201 | 12 | 12 | 500 | • | 36 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 14 | EXIST. RECEPTS. | 201 | 12 | 12 | 500 | • | 38 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 15 | EXIST. RECEPTS. | 201 | 12 | 12 | 500 | • | 40 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 16 | EXIST. RECEPTS. | 201 | 12 | 12 | 500 | • | 42 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 17 | EXIST. RECEPTS. | 201 | 12 | 12 | 500 | • | 46 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 18 | EXIST. RECEPTS. | 201 | 12 | 12 | 500 | • | 48 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 19 | EXIST. RECEPTS. | 201 | 12 | 12 | 500 | • | 50 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 20 | EXIST. RECEPTS. | 201 | 12 | 12 | 500 | • | 52 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 21 | EXIST. RECEPTS. | 201 | 12 | 12 | 500 | • | 54 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 22 | EXIST. RECEPTS. | 201 | 12 | 12 | 500 | • | 56 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 23 | EXIST. RECEPTS. | 201 | 12 | 12 | 500 | • | 58 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |
| 24 | EXIST. RECEPTS. | 201 | 12 | 12 | 500 | • | 60 | EXIST. RECEPTS. | 201 | 12 | 12 | 360 (2) |

LOAD CALCULATION

NONCONCURRENT LOAD
RELOCATED FROM PANEL BEING DEMOLISHED

25% LARGEST MOTOR = 1,422 VA

25% LARGEST MOTOR = 1,422 VA

TOTAL LOAD = 38,819 VA 162 Amp

1 ELECTRICAL RISER AND SCHEDULES

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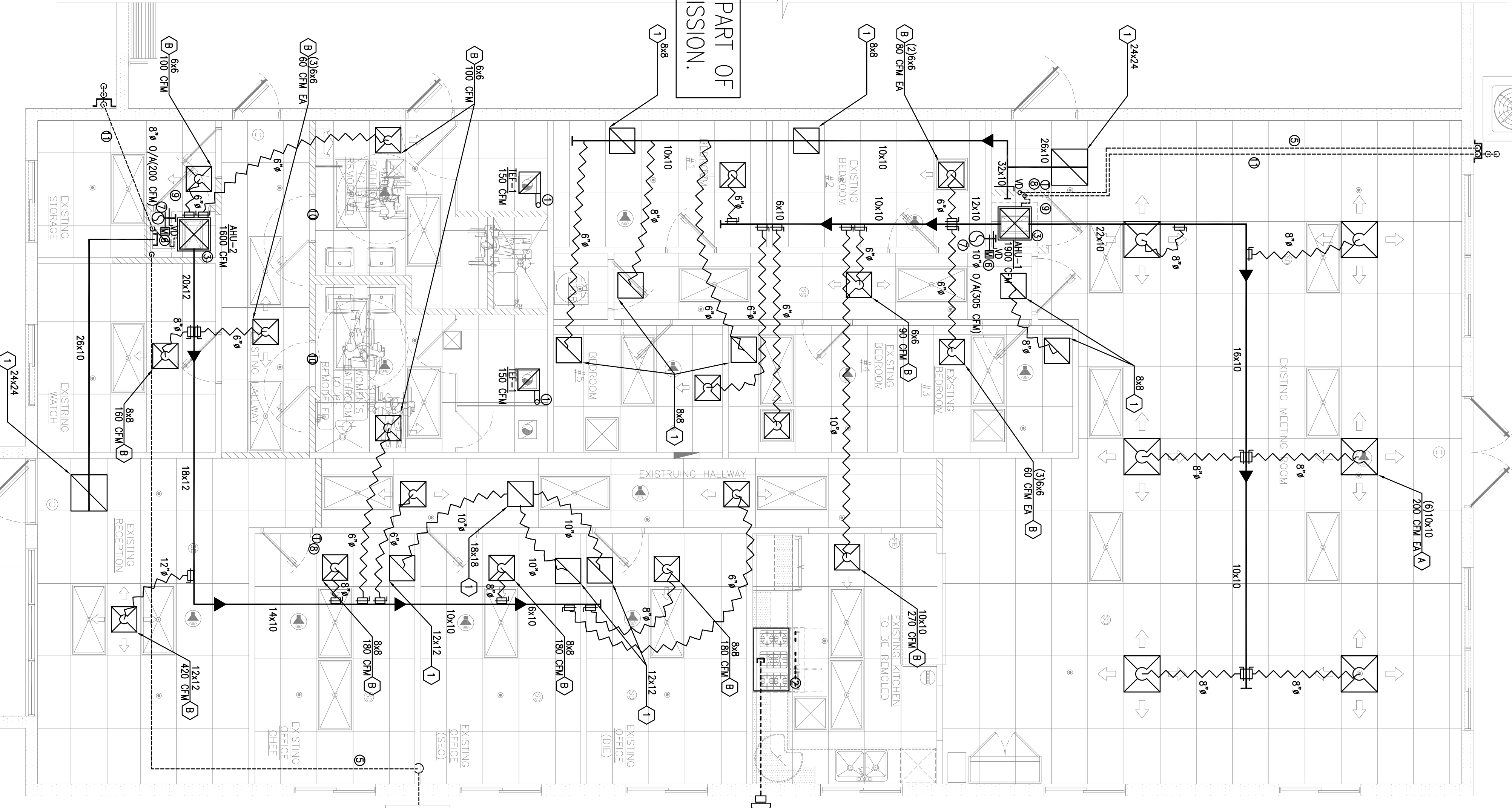
GUSTAVO L. CARBONELL
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DRAWN/CRTD:
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 DATE ISSUED:
 09-09-16
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 M1
 DF 3 SHEETS
 1

- HVAC KEY NOTES**
- 1 8" TOILET EXHAUST DUCT UP TO ROOF JACK WITH B.O.D. AND W.M.S.
 - 2 EXISTING KITCHEN HOOD EXHAUST FAN AND ASSOCIATED DUCTWORK TO REMAIN UNDISTURBED.
 - 3 AHU INSIDE MECHANICAL CLOSET. PROVIDE OVERFLOW SWITCH AT SECONDARY DRAIN TO SHUT DOWN UNIT WHEN WATER IS SENSED.
 - 4 CONDENSING UNIT ON FLOOR STAND. PROVIDE PIPE BOLTER FACING TO TRAFFIC AREA.
 - 5 RIN REFRIGERANT PIPES IN CEILING AND DOWN INSIDE METAL SLEEVE OR PARTITION TO CONDENSING UNIT. CAULK AIR TIGHT.
 - 6 PROVIDE MOTORIZED DAMPER TO UNIT O/A HOOD INTERLOCKED WITH AHU TO BE OPEN WHEN UNIT IS ON.
 - 7 O/A DUCT UP TO ROOF JACK WITH W.M.S.
 - 8 PROGRAMMABLE THERMOSTAT.
 - 9 SOLID DOOR.
 - 10 1" DOOR UNDERCUT.
 - 11 RIN 3/4" A/C CONDENSATE SCHEDULE 40 PVC CONDENSATE DRAIN PIPE AT CEILING AND DOWN INSIDE SHEET METAL ENCLOSURE.
 - 12 PROVIDE DAMPER AT UNIT CONNECTION.
 - 13 PROVIDE CONDENSATE PUMP. PARTIAL RT-15 OR EQUAL.
- DEMOLITION NOTES:**
 - REMOVE EXISTING RTU AND PATCH ROOF TO MATCH EXISTING.
 - REMOVE EXISTING DUCTWORK AND PROVIDE NEW TO CONFORM NEW CURRENT LAYOUT.

EXISTING AREA NOT PART OF THE CURRENT SUBMISSION.



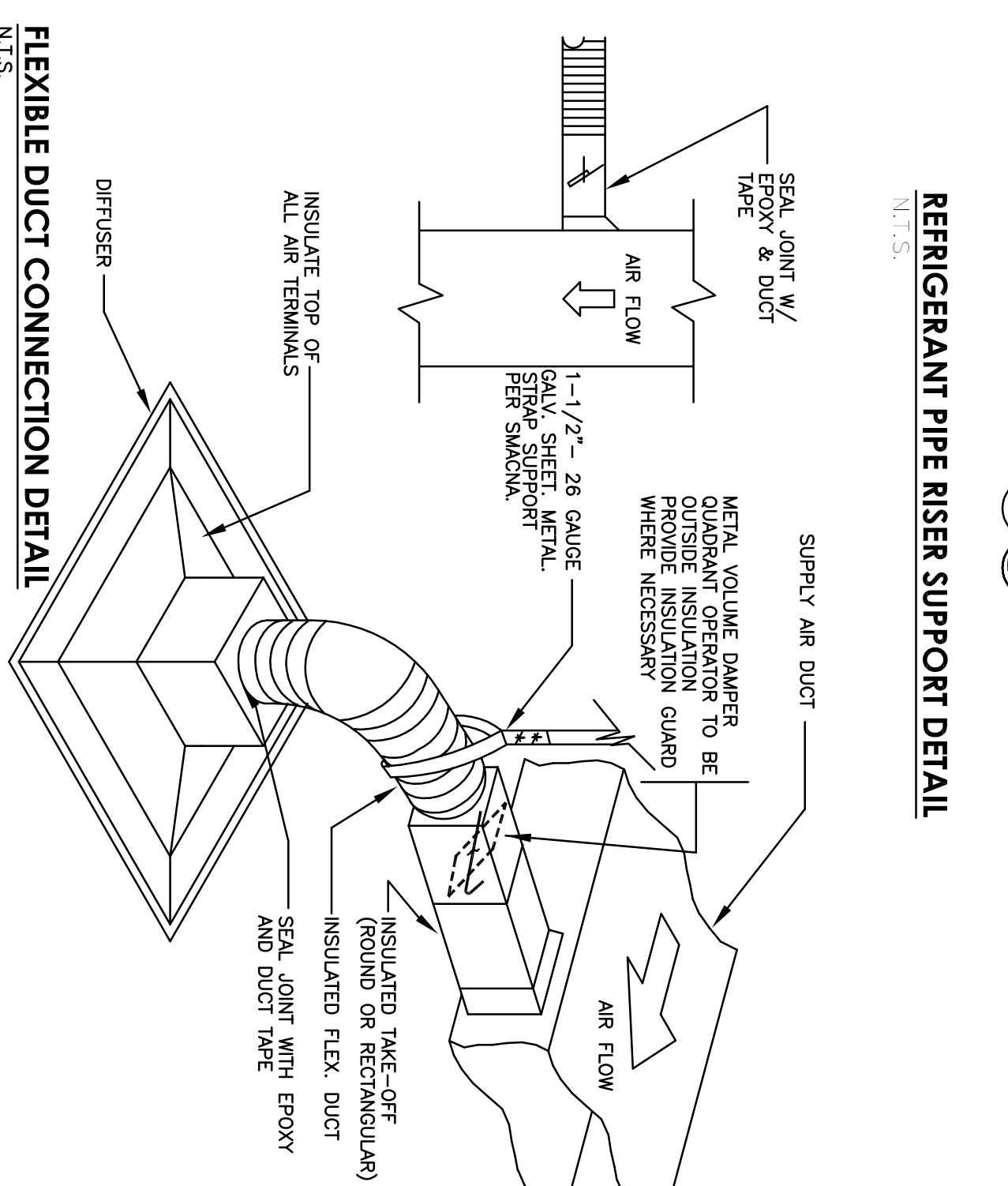
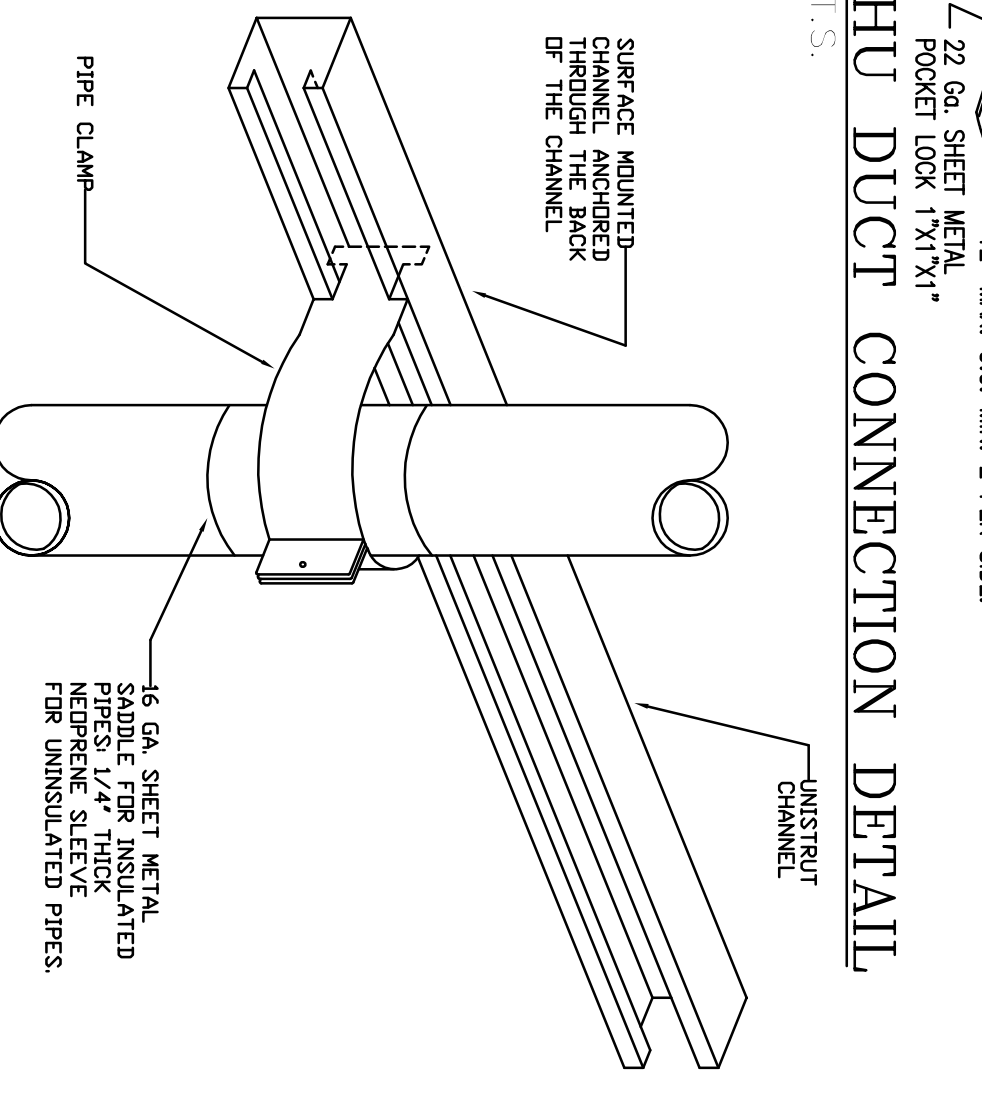
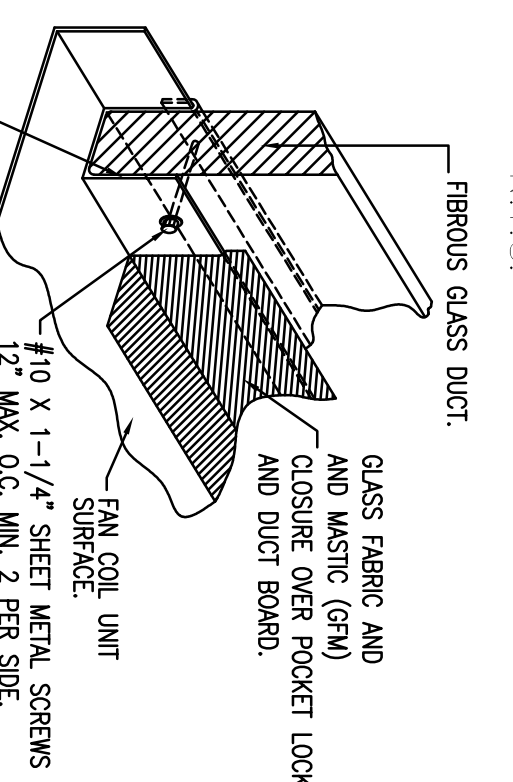
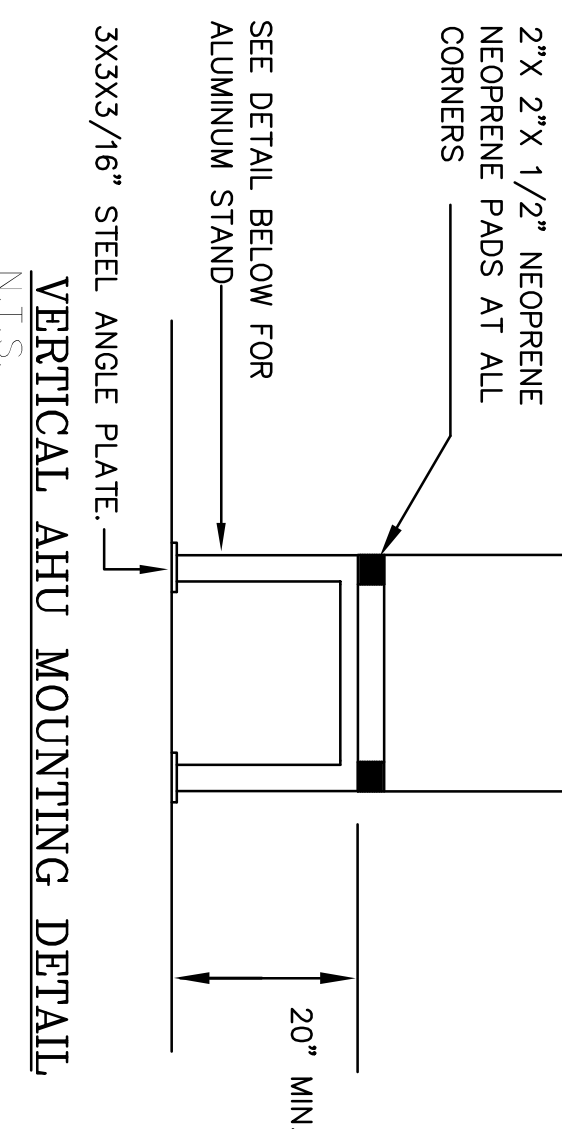
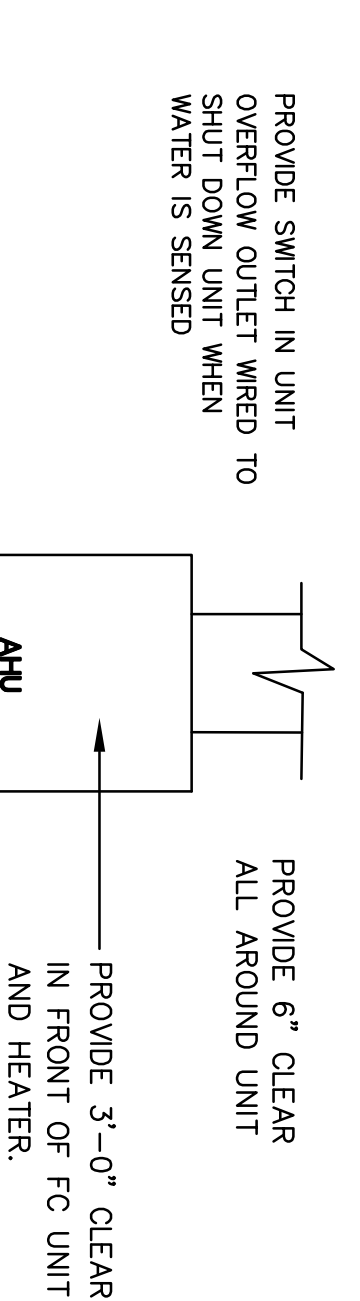
1 EXIST. REFLECTED CLING. PLAN & PARTIAL NEW LAYOUT
 SC: 1/4" = 1'-0"



GENERAL NOTES - H.V.A.C.

- 1. ALL WORK SHALL CONFORM WITH THE FLORIDA BUILDING CODE 2014, NFPA, NEC, AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND ORDINANCES.
2. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES, TAXES, INSPECTIONS, TESTS FOR PERMITS, AND OTHER FIELD MEASUREMENTS AND INSPECTIONS.
3. CONTRACTOR SHALL PROVIDE ALL REQUIRED INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
4. EXCEPT WHERE LONGER WARRANTIES ARE SPECIFIED FOR SPECIFIC EQUIPMENT, CONTRACTOR SHALL WARRANT ALL WORK TO BE FREE OF DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER FINAL WRITTEN ACCEPTANCE OF THE PROJECT BY THE OWNER.
5. PROVIDE ALL NECESSARY INSTRUCTIONS TO THE OWNER IN THE OPERATION OF THE MECHANICAL SYSTEMS BEFORE FINAL ACCEPTANCE.
6. PROVIDE EQUIPMENT MAINTENANCE AND INSTRUCTION MANUALS. MANUALS TO BE SUBMITTED TO ARCHITECT/ENGINEER FOR ACCEPTANCE.
7. SUPPLY SHOP DRAWINGS FOR ALL MATERIALS AND EQUIPMENT FOR ACCEPTANCE OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE PACKAGE OR INSTALLATION OF ANY EQUIPMENT AND MATERIALS.
8. LABEL AND IDENTIFY ALL EQUIPMENT, MOTOR STARTERS, CONTROLS, PIPING AND APPROVAL.
9. ALL CONTROL WIRING SHALL BE THE RESPONSIBILITY OF THE MECHANICAL SUB-CONTRACTOR. WIRING SHALL BE AS PER THE ELECTRICAL SPECIFICATIONS, MECHANICAL SUB-CONTRACTOR TO FURNISH ALL MOTORS AND STARTERS, RELAYS, THERMOSTATS, ETC.
10. PRODUCERS AND MATERIALS SPECIFIED BY TRADE NAME AND/OR MODEL ON THE DRAWINGS SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT/ENGINEER. CONTRACTOR SHALL BEAT HIS BID ON THOSE ITEMS WHICH SHALL BE CONSIDERED TO ESTABLISH A STANDARD BASIS OF BIDDING. REQUESTS FOR SUBSTITUTION SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT/ENGINEER DEMONSTRATING THAT THE PROPOSED PRODUCT IS COMPARABLE AND THAT BASIC DESIGN, CONSTRUCTION STANDARDS, QUALITY AND WARRANTIES ARE EQUAL OR BETTER THAN THE PRODUCT SPECIFIED BY CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL TESTING AND INSPECTIONS REQUIRED BY ARCHITECT/ENGINEER FOR EXPENSES INCURRED DUE TO THE CONTRACTOR'S REQUEST FOR REVISIONS OR SUBSTITUTIONS.
11. APPROVE ALL NEW MATERIALS OF AMERICAN MANUFACTURE, BEARING THE U.L. LABEL AS APPLICABLE. PROVIDE SUPPLEMENTAL MATERIALS NOT SPECIFICALLY NOTED HEREIN, BUT REQUIRED TO COMPLETE THE INSTALLATION IN ACCORDANCE WITH THE INTENT OF THE CONTRACT DRAWINGS, AT NO ADDITIONAL COST TO THE OWNER.
12. FURNISH ALL NECESSARY ACCESS PANELS TO DAMPERS, ETC., TO THE GENERAL CONTRACTOR, FOR INSTALLATION UNDER THE GENERAL TRADES.
13. BALANCE ALL SYSTEMS TO PROVIDE AIR QUANTITIES AND CAPACITIES INDICATED ON DRAWINGS. SUBMIT FINAL TEST AND BALANCE REPORT TO ARCHITECT/ENGINEER FOR ACCEPTANCE.
14. ALL OTHER WORK SHALL BE FIELD CHECKED BEFORE INSTALLATION AND COORDINATED WITH ALL OTHER TRADES. THE CONTRACT DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO DEPICT APPROXIMATE EQUIPMENT LOCATIONS AND ARRANGEMENTS, NOT TO SHOW STRUCTURAL DETAILS, CONNECTIONS AND DIMENSIONS. REFER TO THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS.
15. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND THE ELECTRICAL CONTRACTOR TO MAKE SURE THAT NO ELECTRICAL CONDUITS, EXIST CONDUITS MAY INTERFERE WITH THE REQUIRED DUCT CLEARANCES IN THE CEILING SPACES. TRANSMISSIONS ARE MADE AT ALL TURNS.
16. ALL SIZES SHOWN FOR DUCTS ARE CLEAR INSIDE DUCT DIMENSIONS.
17. ADJUST DUCT SIZES TO MATCH INLET AND OUTLET CONNECTIONS OF FANS, AIR CONDITIONERS, ETC.
18. FLEXIBLE SUPPLY AIR DUCTWORK SHALL BE INSULATED TYPE, SUPPORTED AND INSTALLED TO AVOID SAGS AND KINKS. ALL FLEXIBLE DUCT SHALL BE SIMILAR IN LENGTH TO AVOID DISSIMILAR PRESSURE DROPS. SEAL ALL FLEXIBLE DUCTS TO SUPPLY DUCTS TO AVOID LEAKAGE OF AIR. ALL FLEXIBLE DUCTS SHALL BE MADE OF A MINIMUM 1/4" THICK FIBERGLASS DUCT BOARD CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE LATEST SMACNA FIBROUS DUCT CONSTRUCTION STANDARDS. DUCTWORK SHALL BE 1.5" THICK MINIMUM AND R=6.0 IN ACCORDANCE WITH THE STATE OF FLORIDA E.C.
19. OUTSIDE AIR AND EXHAUST AIR DUCTWORK SHALL BE GALVANIZED SHEET METAL (MIN. 26 GA.) CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SMACNA'S HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE. ALL DUCT JOINTS SHALL BE SEALED AND TAPPED.
20. PROVIDE VOLUME DAMPERS, TURNING VANES, ETC., IN DUCTWORK FOR PROPER AIR FLOW AND BALANCE. PROVIDE VOLUME DAMPER WITH LOCKING QUADROUNT AT ALL FLEXIBLE DUCT CONNECTIONS WITH SUPPLY DUCTWORK. PROVIDE WOODRUFF VANE DAMPER WITH LOCKING QUADROUNT AT ALL OUTLET DUCT CONNECTIONS. PROVIDE TWO DUCT DIAMETERS TO MAIN SUPPLY DUCT, AND WHERE SHOWN ON DRAWINGS.
21. UNLESS NOTED OTHERWISE, FLEXIBLE DUCTS SHALL BE SAME SIZE AS DIFFUSER OR REGISTER.
22. OFFSET DUCTS AROUND BEAMS, COLUMNS, ETC., AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
23. LOCATE ELECTRICAL HEATERS TO PROVIDE ADEQUATE ACCESS AND CLEARANCES AT FRONT OF CONTROL PANEL. FOR MAINTENANCE IN ACCORDANCE WITH CODES.
24. REGISTER/PANE SHALL BE SEAMLESS COPPER TUBING TYPE 1 HARD OR SOFT DRAWN OR ACP COPPER TUBING WITH WROUGHT COPPER SOLDER JOINT FITTINGS. SOLDER SHALL BE SILVER SOLDER APPLIED WITH SUITABLE FLUX.
25. PROVIDE FOR RETURNTURN SYSTEM, THERMOSTATIC EXPANSION VALVES, THERMOSTATIC EXPANSION VALVE, SUBCOOLER, CONDENSING UNITS, CONDENSING UNITS, CONDENSING UNITS, CONDENSING UNITS. PROVIDE Suction Piping Accumulators and Sump Tanks At RECOMMENDED BY THE AIR CONDITIONING EQUIPMENT MANUFACTURER.
26. INSTALL REGISTER/REGISTRATION PANE WITH 1/2" FIRE RESISTANT FIBER OR INSULATED CELL POLYETHYLENE INSULATION. INSULATION INSULATION JOINTS SHALL BE SOLDERED.
27. SUSPEND HORIZONTAL AIR HANGERS FROM STRUCTURE USING STEEL CHAINNETS, THERMO-ROOF, AND STEEL SPRING VIBRATION ISOLATORS HAVING A MINIMUM STATIC DEFLECTION OF 1 INCH. SUPPORTS TO ALLOW FOR FULL AHU ACCESS.
28. AIR CONDENSING CONDENSATE, COPPER PAN AND FITTINGS. RUN AIR CONDENSATE TO OUTSIDE. CENTRAL SHAKE AND VIBRATION. CONDENSATE INSULATE AIR-CONDITIONING DRAINAGE PIPING WITH 3/4" THICK CLOSED CELL POLYETHYLENE PIPING INSULATION. NOTE: SCHEDULE 40 PIPE MAY BE USED WHERE PERMITTED BY CODE.
29. CEILING PAN, PROVIDE WITH CEILING GRILLE AUXILIARY SWITCH, BACKDRIFT DAMPER.

30. CONTRACTOR SHALL INCLUDE IN HIS BID AND BE RESPONSIBLE TO PROVIDE ONE YEAR OF FULL MAINTENANCE OF THE EQUIPMENT INCLUDED IN THIS CONTRACT, EXCEPT FOR THE REPLACEMENT OF AIR FILTERS, WHICH WILL BE THE RESPONSIBILITY OF THE LANDLORD. THE MAINTENANCE CONTRACT SHALL COME ON THE DATE THE PROJECT IS ACCEPTED.
31. BALANCE SYSTEM TO PROVIDE AIR QUANTITIES AND CAPACITIES INDICATED ON DRAWINGS. SUBMIT FINAL TEST AND BALANCE REPORT TO ARCHITECT/ENGINEER FOR ACCEPTANCE. ALL WORK TO BE DONE BY AN EXPERIENCED BALANCING AGENCY OR ORGANIZATION IN COMPLIANCE WITH SECTION 5.03.2.3.1, ICC 2010 BUILDING CODE SETTLEMENTS BALANCING PROCEDURE SHALL BE IN ACCORDANCE WITH NEBB AND AISC STANDARDS OR EQUIVALENT PROCEDURE.



OUTDOOR AIR CALCULATIONS. TABLE with columns: AREA, FLOOR PERIMS/TOTAL AREA, PERSONS, FT2, GPM REQUIRED, GPM PROVIDED, SPLIT A/C UNIT DESIGNATION. Includes notes: (*) MINIMUM USE: 305 CFM REQUIRED - 55 CFM (FROM COMMON SERVED AREA) - 250 CFM PROVIDED.

AIR DISTRIBUTION SCHEDULE. TABLE with columns: SYMBOL, USE, TYPE, WEG. & MODEL NO., ACCESSORIES, [1]. Includes notes: 1- COLOR AND FINISH AS SELECTED BY ARCHITECT. 2- ALL AIR DISTRIBUTION DEVICES SHALL BE VANDERBILT FRAME FOR ACQUISITION OR PLASTER CEILING INSTALLATION.

EXHAUST FAN SCHEDULE

Table with columns: UNIT DESIGNATION, LOCATION, FAN TYPE, WHEEL TYPE, DRIVE TYPE, CAPACITY - CFM, STATIC PRESS. (IN. OF WATER), FAN SPEED - RPM, MOTOR - VOLT, AVAILABLE POWER, ACCESSORIES, 1. COMPAN. ROOF CURB, 2. AUX. SWITCH, 3. THIMB, 4. CEILING GRILLE, 5. OUTLET SCREEN, 6. SCREEN / FAN GUARD, 7. BACKDRIFT DAMPER, 8. CONT. FLOW WALL SWITCH, DESIGN MANUFACTURER, MODEL NUMBER.

(1) NOTE: PROVIDE FACTORY MOUNTED DISCONNECT SWITCH ON FRONT PANEL.

SPLIT A/C UNIT SCHEDULE

Table with columns: UNIT DESIGNATION, AREA SERVED, LOCATION, DESIGN MANUFACTURER, MODEL NO., SEER, TOTAL AIR / O.A. CFM, EX. STATIC PRESS. INCHES OF H2O, FAN MOTOR HP - (NON-OVERLOAD), ELECTRICAL SERVICE AVAILABLE V/PH, TOTAL CAPACITY, MBH, SENSIBLE CAPACITY, MBH, ENTERING AIR TEMP., ° F DB/ WB, WCA/HP - AMPS, ELEC. HEATER KW AT 208V / 1PH, OPERATING WEIGHT (LBS), COMPRESSOR RLY/RA, AMBENT AIR TEMP. ° F DB, MAX. CIRCUIT AMPLACITY, MIN. PROTECTION AMPS, REFRIG. SUCTON/LIQ. SIZE NOMINAL - IN, ELEC. SERVICE AVAILABLE V/PH, OPERATING WEIGHT (LBS), MODEL NO.

miami tech inc. PRODUCT SPECIFICATIONS '10 of 1'

STANDARD CONSTRUCTION

MATERIALS DESCRIPTION: 6061-T6 EXTRUDED ALUMINUM CHANNEL PER FED. SPEC. SECTION 5.13.00. CROSS MEMBER SHALL BE 1\"/>

Table with columns: SIZE, HEIGHT/DEPTH/WIDTH, AREA, WEIGHT. Includes rows for ALBERTZON 17\"/>

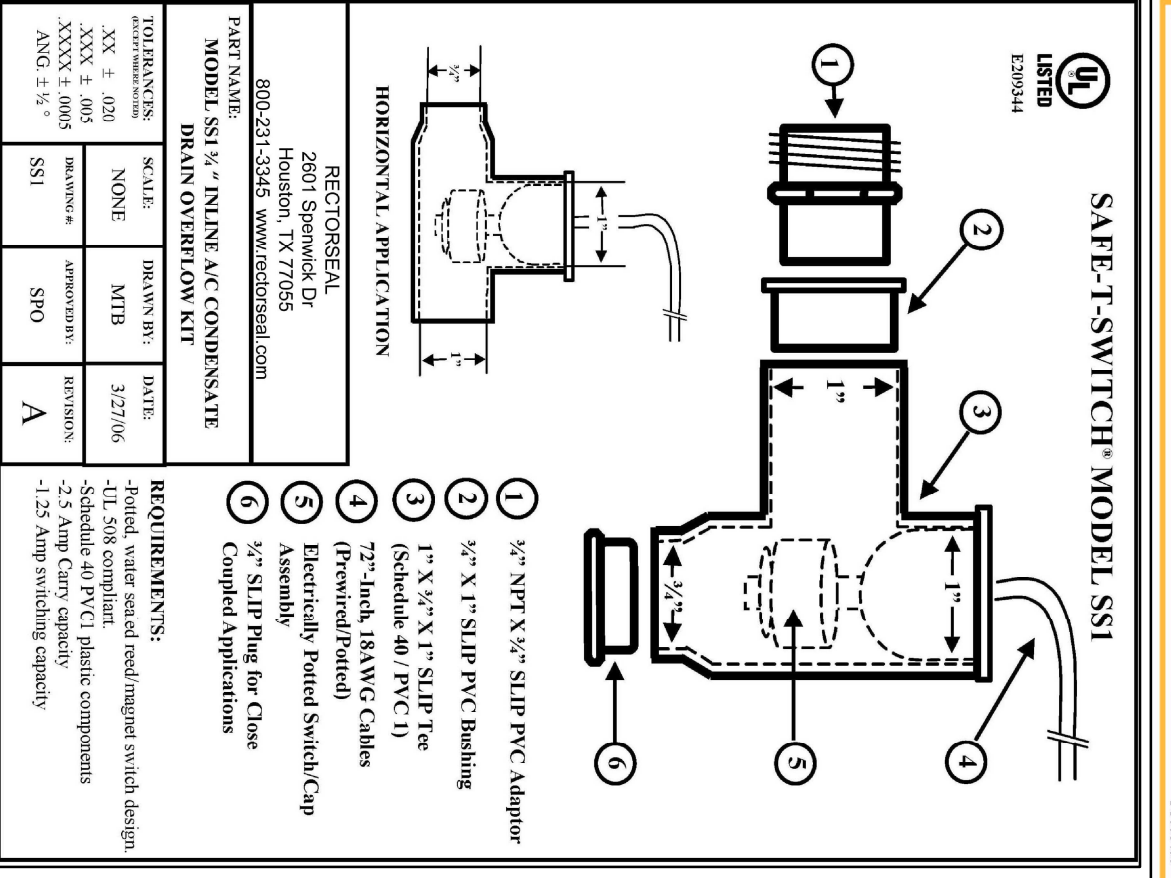
FEATURES: ALUMINUM PROVIDES EXCELLENT CORROSION RESISTANCE. 1/2\"/>

CONTRACT: MIAI TECH INC. FOR AIR-CONDITIONING DIVISION OF THE STATE OF FLORIDA. PROJECT: PROJECT NO. 09-09-16. PHONE: 304-693-7044. FAX: 304-693-4192.

ALUMINUM AIR HANDLER BRAND PRODUCT SPECIFICATIONS. TABLE with columns: BRAND, MODEL, DATE, REVISION.

DURO DYNE HANGING STRAP. Advertisement for hanging straps with features: Duro Dyno provides hanging straps that are waterproof, grease-, oil- & acid resistant, and have low stretch & strain. Features: 5/8\"/>

SAFE-T-SWITCH MODEL SS1. Advertisement for a switch with technical specifications: OPERATING TEMPERATURE: -40°F TO 150°F. ELECTRICAL RATING: 50A @ 240V. MECHANICAL RATING: 2500 CYCLES. WEIGHT: 1.5 LBS.



LEONARDO NAVIERAS, INC. CONSULTING ENGINEERS. Advertisement for a consulting firm. Address: 4140 E. VIAL S. SUITE 101, FT. LAUDERDALE, FL 33309. Phone: 954-521-4622. Website: www.madeinusa.com.

DRAWING CONTAINED HEREIN NOT BE REPRODUCED, COPIED, OR REPERFARASED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. GUSTAVO J. CARBONELL, P.A.

Proposed Interior Remodeling for: Wilton Manors Fire Station #16. 533 Northeast 22 Street, Wilton Manors, Florida 33305. Architects: Gustavo J. Carbonell, P.A., Architecture and Planning. Fort Lauderdale, Florida 33304. GJS CARBONELL, AIA, gcarbonell@jgjbpc.com, www.gjcarbonell.com, F.954.527.0857

FLORIDA REGISTRATION ARCHITECT, P.A. GUSTAVO J. CARBONELL ARCHITECT, P.A. DRAWING NO. 200907131

BRAND/KEY: LMI/UV DATE ISSUED: 09-09-16 CAC PROJECT: 16-027 M2 3 SHEETS



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Proposed Interior Remodeling for:
Wilton Manors Fire Station #16
533 Northeast 22 Street
Wilton Manors, Florida 33305

GUSTAVO A. CARBONELL
ARCHITECT, P.A.

FLORIDA REGISTRATION
A/R NO. 28007131

DRAWN/CHK'D: LNJ / LV
DATE ISSUED: 09-09-16
GAC PROJECT: 16-027
P-1 OF 4 SHEETS
1 OF 1 SHEETS

GENERAL PLUMBING NOTES:

- ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE "FLORIDA BUILDING CODE" 2014 PLUMBING AND ALL APPLICABLE LOCAL ORDINANCES.
- CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH JOB SITE AND WITH ALL CONSTRUCTION DOCUMENTS INCLUDING ARCHITECTURAL, ELECTRICAL, HVAC, AND STRUCTURAL DWGS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND CONDITIONS SHOULD BE EXPECTED, AND SHALL NOT REPRESENT ADDITIONAL COSTS TO OWNER, AS WELL AS VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL COORDINATE THE WORK OF THIS TRADE WITH ALL OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER.
- CONTRACTOR SHALL OBTAIN INSURANCE PROTECT AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF WORK.
- ALL PERMITS, FEES, INSPECTIONS AND TESTS SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH THE ARCHITECTURAL PLANS.
- ALL MATERIALS SHALL BE NEW AND OF AN AMERICAN MANUFACTURER, FREE FROM DEFECTS, INDELIBLY MARKED WITH NAME OF MANUFACTURER, WEIGHT AND/ OR CLASS.
- ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETE SYSTEM SHALL BE FULLY OPERATIVE.
- ALL EXCAVATION, ROCKFILL AND PATCHING THE SLAB SHALL BE PART OF THIS CONTRACT.
- VERIFY LOCATION, SIZE AND ELEVATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ADVISE ARCHITECT/ ENGINEER OF ANY DISCREPANCIES.
- DRAWINGS ARE DIAGNOSTIC. DO NOT SCALE DRAWINGS FOR THE EXACT LOCATION OF FIXTURES AND PIPING.
- DRAWINGS REFER TO ALL DRAWINGS FOR COORDINATION OF THE PLUMBING WORK.
- ARRANGE AND PAY FOR ALL PERMITS, LICENSES, INSPECTIONS AND TESTS. OBTAIN THE REQUIRED CERTIFICATES AND PRESENT TO OWNER.
- GUARANTEE: THE COMPLETED INSTALLATION SHALL BE FULLY GUARANTEED AGAINST DEFECTIVE MATERIALS AND/OR IMPROPER WORKMANSHIP FOR A MINIMUM OF ONE YEAR FOR MATERIAL AND LABOR.
- ALL HORIZONTAL SANITARY PIPING SHALL SLOPE AT 1/8" INCH PER FOOT MINIMUM FOR 3" AND LARGER AND AT 1/4" SLOPE FOR 2 1/2" PIPES AND SMALLER.
- ALL MATERIALS SHALL BE NEW, FREE OF DEFECTS AND CORRECTLY LABELED WITH THEIR APPROPRIATE LISTING AGENCY.
- SHOP DRAWINGS: CONTRACTOR SHALL SUBMIT FOR APPROVAL, WITHIN 30 DAYS OF SIGNING CONTRACT, A MINIMUM OF FIVE COPIES OF FULLY DESCRIPTIVE LITERATURE, INCLUDING BUT NOT LIMITED TO: WATER HEATERS, AND PLUMBING FIXTURES. NO WORK SHALL PROCEED WITHOUT THE APPROVAL OF THESE SUBMITTALS.
- PLUMBING FIXTURES: FIXTURES SHALL BE AS SELECTED BY OWNER AND SHALL BE FINISHED AND INSTALLED BY THE CONTRACTOR. FIXTURES SHALL BE COMPLETE WITH DRAINS, TRAPS, SUPPLIES AND SINK STANDARDS.
- MATERIALS:
 - SOIL, WASTE, VENT, AND STORM (BELOW GRADE): POLYVINYL CHLORIDE (PVC) PLASTIC PIPE (TYPE DWV) ASTM D 2665, ASTM D 191.4, (BELOW GRADE); POLYVINYL CHLORIDE (PVC) PLASTIC PIPE (TYPE DWV) ASTM D 2665, ASTM D 2949, CSA B181.2 IS ACCEPTABLE.
 - (ABOVE GRADE): POLYVINYL CHLORIDE (PVC) PLASTIC PIPE (TYPE DWV) ASTM D 2665, ASTM D 2949, ASTM F 1488, CSA B181.2) IS ACCEPTABLE.
- DOMESTIC WATER PIPING:
 - (BELOW GRADE): SHALL BE COPPER TYPE "K" ASTM B-88 WITH WROUGHT COPPER FITTINGS AND 95-5 SOLDERED JOINTS. PAINT WITH BITUMASTIC WHEN INSTALLED IN GRADE.
 - (ABOVE GRADE): SHALL BE COPPER TYPE "L" ASTM B-88 WITH WROUGHT COPPER FITTINGS AND TUBING WITH CPVC PLASTIC FITTINGS ASTM F 437 IS ACCEPTABLE.
- ALL PIPING IN RETURN PLUMBING SHALL NOT BE PVC OR CPVC, ONLY METALLIC MATERIAL WILL BE USE WITHIN THE PLUMBING AREA.
- DOMESTIC WATER SUPPLY ASSEMBLY: CHROME FINISH TUBING WITH ANGLE SHUT OFF VALVES IN EXPOSED AREAS.
- CONDENSATE DRAIN: DWV COPPER PIPE & FITTINGS OR POLYVINYL CHLORIDE (PVC) PLASTIC PIPE (TYPE DWV) ASTM D 2665, ASTM D 2949, CSA B181.2) IS ACCEPTABLE.
- ALL AUTOMATIC ELECTRIC WATER HEATERS SHALL MEET THE STANDARDS OF THE LATEST ENERGY EFFICIENCY CODE.
- PIPING TEST AND DISINFECTIONS:
 - TESTING
 - COMPLETE WATER PIPING SYSTEM SHALL BE PRESSURE TESTED BY CAPPING OR PLUGGING ALL OPEN ENDS AND TESTED AT 150 PSI FOR 2 HOURS AND APPLYING HYDROSTATIC PRESSURE OF 125 PSI FOR PERIOD OF NOT LESS THAN 2 HOURS.
 - SOIL, WASTE AND VENT PIPING SHALL BE TESTED BY CAPPING THE ENDS OF THE SYSTEM AND ALL WATER MAINS SHALL BE TESTED BY CAPPING THE JOINT AND ALLOW TO STAND UNTIL INSPECTION IS MADE AND WATER LEVEL REMAINS CONSTANT.
- DISINFECTION OF EDIBLE WATER SYSTEM
 - FIRST, FLUSH THE ENTIRE DOMESTIC WATER SYSTEM WITH CLEAN, POTABLE WATER UNTIL NO DIRTY WATER APPEARS AT ALL OUTLETS. CONTINUE WITH THE FOLLOWING FLUSHING REQUIREMENTS:
 - DISINFECTION SOLUTION: ONCE FLUSHED PER ABOVE CLOSE VALVES, FILL THE ENTIRE DOMESTIC WATER SYSTEM WITH A WATER /CHLORINE SOLUTION CONTAINING MINIMUM OF 50 PARTS PER MILLION AND REMAIN SOLUTION IN SYSTEM FOR 24 HOURS MINIMUM.
 - CHLORINE BURNING: AFTER REMAINING THE SOLUTION IN THE SYSTEM FOR 24 HOURS, FLUSH THE SYSTEM WITH CLEAN POTABLE WATER UNTIL SYSTEM IS PURGED OF CHLORINE. REPEAT THE DISINFECTION IS VERIFIED BY A BACTERIOLOGICAL EXAMINATION AND TESTS.
 - VALVES: DOMESTIC WATER VALVES SHALL BE OF BRONZE BODY SWEAT ENDS.
 - ROSE BERBS SHALL BE 3/4 INCH, ROUGH BRASS CONSTRUCTION WITH SHUT OFF VALVE AND VACUUM BREAKER.
 - ALL OUTDOORS FLOOR CLEAN OUTS SHALL BE TERMINATED UP TO GRADE AND SHALL BE MARKED.
- CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL PLUMBING SYSTEM PIPING BEFORE STARTING ANY WORK. NOTIFY ARCHITECT/ENGINEER OF ANY DEVIATIONS FROM DESIGN DRAWINGS.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR AND MATERIALS FOR A COMPLETE "TURN-KEY" PLUMBING SYSTEM.
- CONTRACTOR SHALL KEEP ACCURATE AS-BUILT DWGS ON THE FIELD AND PROVIDE THEM TO OWNER ONCE JOB IS COMPLETE.
- PROVIDE WALL CLEAVANTS AT THE BASE OF EVERY STACK.
- CONTRACTOR SHALL USE DIMENSIONS IN ARCHITECTURAL DRAWINGS TO ROUND-IN PLUMBING WORK.

PLUMBING SYMBOL LEGEND

| SYMBOL | DESCRIPTION |
|---------|--------------------------|
| --- --- | SANITARY LINE |
| --- --- | VENT LINE |
| --- --- | GREASE WASTE LINE |
| --- --- | SAFETY WASTE LINE |
| --- --- | CONDENSATE LINE |
| --- --- | STORM DRAIN LINE |
| --- --- | COLD WATER LINE |
| --- --- | HOT WATER LINE |
| --- --- | GATE VALVE |
| --- --- | CLEAN OUT |
| --- --- | "P" TRAP |
| --- --- | FLOOR PENETRATION |
| --- --- | SHOCK MECHANICAL |
| --- --- | ARRESTOR |
| --- --- | AIR CHAMBER |
| --- --- | FLOOR CLEANOUT |
| --- --- | MIXING VALVE |
| --- --- | FLOOR DRAIN |
| --- --- | FLOOR SINK |
| --- --- | SOLENOID VALVE |
| --- --- | TRAP PRIMER |
| --- --- | VENT THRU ROOF |
| --- --- | INSTANT WATER HEATER |
| --- --- | AIR ADMITTANCE VALVE |
| --- --- | VENT |
| --- --- | FIXTURE UNIT |
| --- --- | HOSE BIBB |
| --- --- | SHUT OFF VALVE ON RISER. |

GENERAL DEMOLITION NOTES

- THE MAJOR PORTION OF THE PLUMBING SYSTEMS ARE SHOWN ON THE DRAWINGS, HOWEVER DEVIATIONS MAY BECOME EVIDENT AND CHANGES MAY OCCUR AS THE JOB PROGRESSES.
- CONTRACTOR WILL BE RESPONSIBLE OF COORDINATING HIS DEMOLITION WORK WITH OTHER TRADES AND TO PROTECT FROM DAMAGE EXISTING PIPES USED FOR FUTURE CONNECTIONS.
- CONTRACTOR SHALL FIELD VERIFY EXISTING LOCATION OF ALL PLUMBING SERVICES AND NOTIFY ENGINEER OF ANY DEVIATIONS FROM THESE DOCUMENTS.
- FOR WALLS, PARTITIONS, FLOORS, AND/OR CEILINGS BEING DEMOLISHED/REMOVED SEE ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL REFLUSH ANY EXISTING DRAINAGE PIPING BEING RE-USED THAT HAS UNDERGONE DEMOLITION TO ENSURE THAT NO DEBRIS IS LEFT WITHIN PIPING.
- ALL PIPING AND PLUMBING DEVICES NO LONGER IN USE SHALL BE REMOVED FROM SITE AND NOT ABANDONED ON SITE UNLESS SPECIFICALLY STATED IN THESE DOCUMENTS.
- COORDINATE ALL INTERRUPTIONS IN SERVICE WITH GENERAL CONTRACTOR.
- CONTRACTOR SHALL REPLACE AT NO ADDITIONAL COST TO OWNER, ANY PLUMBING FIXTURES, PIPING FITTINGS OR APERTURES DAMAGED AS A RESULT OF THIS WORK.
- ANY EQUIPMENT OR DEVICE SELECTED TO REMAIN AND THAT MUST BE DISCONNECTED AS A DIRECT OR INDIRECT ACTION OF THIS DEMOLITION WORK, SHALL BE RECONNECTED BACK TO ITS ORIGINAL LOCATION AND THE SOURCE, AND SHALL BE TESTED, UNLESS OTHERWISE NOTED.
- EXISTING PLUMBING FIXTURE TO SHALL BE REMOVED, CLEAN AND REMOVE ALL PIPING, FIXTURE AND VALVES AS REQUIRED. THE PIPING SHALL BE SEALED, CAPPED AND HIDDEN IN WALL, PARTITION, FLOOR OR CEILING AS REQUIRED.

PLUMBING FIXTURE CONNECTION SCHEDULE

| NO. | DESCRIPTION | WASTE | VENT | WATER | | REMARKS |
|-----|-----------------------|--------|--------|-------|------|---|
| | | | | COLD | HOT | |
| WCH | WATER CLOSET HANDICAP | 3" | 2" | 1/2" | --- | FLUSH VALVE TYPE TANK, 1.28 GPF, FLOOR MOUNTED. WHEEL CHAIR HEIGHT AS SELECTED BY ARCHIT. |
| LWH | LABATORY HANDICAP | 1 1/2" | 1 1/4" | 1/2" | 1/2" | PROVIDE 0.5 GPM FAUCET INSULATION KIT AS SELECTED BY ARCHIT. PROVIDE 0.5 GPM FAUCET INSULATION KIT AS SELECTED BY ARCHIT. |
| WC | WATER CLOSET | 3" | 2" | 1/2" | --- | FLUSH VALVE TYPE TANK, 1.28 GPF, FLOOR MOUNTED. AS SELECTED BY ARCHIT. |
| LWV | LABORATORY | 1 1/2" | 1 1/4" | 1/2" | 1/2" | PROVIDE 0.5 GPM FAUCET AS SELECTED BY ARCHIT. |
| UR | URINAL | 2" | 2" | 3/4" | --- | FLUSH VALVE 1.0 GPF, WALL MOUNTED, AS SELECTED BY ARCHIT. |

DRAIN SCHEDULE

| FIXTURE | DESCRIPTION |
|---------|--------------------------------|
| FD | FLOOR DRAIN (TOILET) |
| | JOSAM 30000 A-65-2-50 OR EQUAL |

VERIFY EXACT SIZE, LOCATION, INVERT & CAPACITY IN FIELD PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL VERIFY ALL NEW FIXTURE CONNECTIONS ARE COMPATIBLE WITH FIXTURE CONNECTION PRIOR TO CONSTRUCTION AND CONTACT THE ENGINEER OF RECORD WITH DISCREPANCIES.



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Proposed Interior Remodeling for:
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Wilton Manors, Florida 33305

GUSTAVO L. CARBONELL
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 AR NO. 28007151

DRAWN/CHECKED: LNJ / UV
 DATE ISSUED: 09-09-16
 GAC PROJECT: 16-027
P-2 DF
 2 SHEETS 4



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