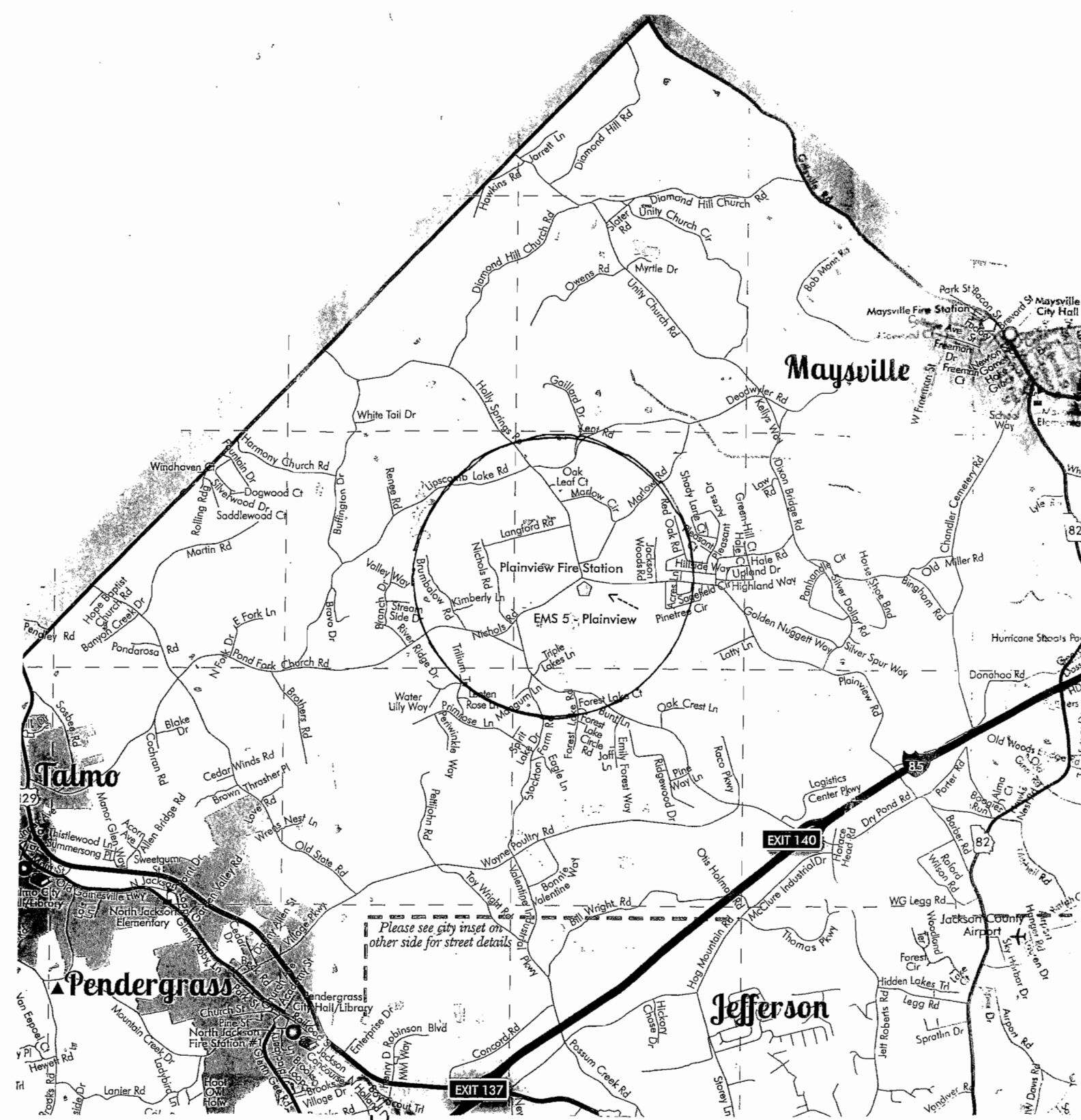


JACKSON COUNTY EMERGENCY MEDICAL SERVICES PLAINVIEW EMS STATION #5

PROJECT VICINITY DIAGRAM



PROJECT TEAM

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SHEET INDEX

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* ASTMIX DENOTES APPLICABLE CD (CONST. DOC. PREP) - SEE SEP. LISTS FOR SD (SCHEMATICS) & DD (DESIGN DEVELOPMENT) DOCS.

| ARCHITECTURAL SHEETS | | 1/20/17/14 - 30% CD | 9/22/14 PERMIT |
|---|---|---------------------|----------------|
| *A-0.0 | COVER SHEET/ PROJECT NAVIGATION INFO | ○ | ○ |
| *A-0.1 | ABBREVIATIONS & OUTLINE SPECS | ○ | ○ |
| *A-0.2 | BASIC CODE NOTES | ○ | ○ |
| A-1 SERIES - MAJOR DEMOLITION - NA THIS NEW BUILDING CONST. | | | |
| *A-2.1 | A-2 SERIES - OVERALL FLOOR PLAN(S) | ○ | ○ |
| A-2.X SERIES - UPPER FLOOR & ROOF PLANS - NOT USED THIS PROJECT | | | |
| *A-3.1 | A-3 SERIES - [EXT. ELEV.] | ○ | ○ |
| A-4.1 A-4 SERIES [BLDG SECTIONS] - NOT USED THIS PROJECT | | | |
| *A-5.1 | A-5 SERIES [EXP. PLAN(S)] - SEE A-2.0 SERIES AS NEEDED. | ○ | ○ |
| *A-6.1 | A-6 SERIES [REFL. CLG. PLAN(S)] | ○ | ○ |
| *A-7.1 | A-7 SERIES [INT. ELEV.] | ○ | ○ |
| *A-8.1 | A-8 SERIES [WALL OPENINGS SCHEDULE] | ○ | ○ |
| *A-9.1 | A-9 SERIES [FINISH SCHEDULE] | ○ | ○ |
| A-10 SERIES (SECTIONS & DETAILS) - SEE OTHER SHEETS AS NEEDED | | | |

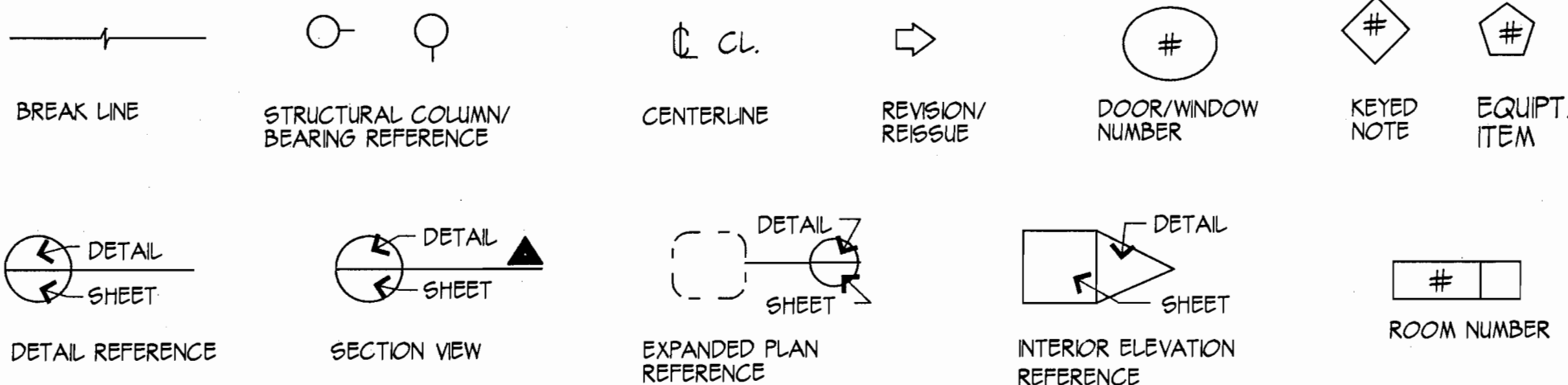
| STRUCTURAL SHEETS | | 1/20/17/14 - 30% CD | 9/22/14 PERMIT |
|---|------------------------------------|---------------------|----------------|
| *S-0.1 | STRUCTURAL BASICS & OUTLINE SPECS. | ○ | ○ |
| S-1 SERIES - MAJOR DEMOLITION - NA THIS NEW BUILDING CONST. | | | |
| *S-2.1 | FOUNDATION PLAN & DETAILS | ○ | ○ |
| *S-2.1.1 | FRAMING PLAN & DETAILS | ○ | ○ |
| *S-3.0 | MISC. DETAILS | | |

| PLUMBING MECH. SHEETS | | 1/20/17/14 - 30% CD | 9/22/14 PERMIT |
|---|---|---------------------|----------------|
| *P-0.1 | PLUMBING - BASICS & OUTLINE SPECS. | ○ | ○ |
| P-1 SERIES - MAJOR DEMOLITION - NA THIS NEW BUILDING CONST. | | | |
| *P-2.1 | PLUMBING - SANITARY SEWER PLAN & DETAILS | ○ | ○ |
| *P-2.1.1 | PLUMBING - FIXTURES, GENERAL PIPING & DETAILS | ○ | ○ |

| HVAC MECH. SHEETS | | 1/20/17/14 - 30% CD | 9/22/14 PERMIT |
|---|------------------------------------|---------------------|----------------|
| *M-0.1 | M-0 HVAC - BASICS & OUTLINE SPECS. | ○ | ○ |
| M-1 SERIES - MAJOR DEMOLITION - NA THIS NEW BUILDING CONST. | | | |
| *M-2.1 | HVAC SYSTEM PLAN & DETAILS | ○ | ○ |

| ELECTRICAL SHEETS | | 1/20/17/14 - 30% CD | 9/22/14 PERMIT |
|---|--------------------------------------|---------------------|----------------|
| *E-0.1 | ELECTRICAL - BASICS & OUTLINE SPECS. | ○ | ○ |
| E-1 SERIES - MAJOR DEMOLITION - NA THIS NEW BUILDING CONST. | | | |
| *E-2.1 | ELECTRICAL - GENERAL POWER PLAN | ○ | ○ |
| *E-2.1.1 | ELECTRICAL - LIGHTING PLAN | ○ | ○ |
| *E-3.1 | E-3 SERIES - RISER(S) & PANEL(S) | ○ | ○ |

SHEET NAVIGATION SYMBOLS



SEE ADDITIONAL SYMBOLS PRESENT
ON ENGINEERING SHEETS AS WELL .

CONTEXT NOTES

1. INTENT : DRAWINGS MAY BE ISSUED IN VARIOUS STATES OF COMPLETION AS PROJECT MATURES . A BRIEF DESCRIPTION OF EACH DRAWING'S INTENT SHOULD BE LISTED ALONGSIDE ITS ISSUE DATE (S) . DEPENDING ON WORK CONTRACTED BY OWNER , AND / OR DESIGNER'S CURRENT LEVEL OF COMPLETION OF SAME , SOME CONSTRUCTION CRITERIA MAY NOT BE FULLY DETAILED . WHERE SUCH DETAIL IS NOT EVIDENCED , OWNER HAS AGREED TO FINALIZE SUCH DEVELOPMENT THRU EITHER FURTHER EMPLOYMENT OF THE ARCHITECT , AND/ OR THE EMPLOYMENT OF ENGINEERS , TRADE CONTRACTORS , AND / OR MATERIAL SUPPLIERS CAPABLE OF ASSURING THAT THIS FACILITY IS PLANNED AND COMPLETED IN A RESPONSIBLE AND SAFE MANNER . . IN FULL COORDINATION WITH THE INTENT EXPRESSED IN THIS SET OF DESIGN DOCUMENTS . ANY USER OF THESE DRAWINGS NEEDS TO MAKE SURE THAT THEY ARE USING THE LATEST DRAWING UPDATE . REFER ANY QUESTIONS, REGARDING SUCH DESIGN INTENT , TO THE ARCHITECT FOR FURTHER CLARIFICATION .
2. CODE REVIEW : THE CODE REVIEW SHOWN IS INDICATED SO AS TO GIVE AN OVERVIEW OF THE BASIS USED BY DESIGNER (S) FOR RESOLVING THE BASIC PROJECT REQUIREMENTS .
3. SYMBOLS : THE SYMBOLS USED HEREIN ARE TO HELP ONE DIGEST THE INTENT , REFERENCES AND/OR CROSS REFERENCES EVIDENCED ON DESIGNER'S WORK .
4. ABBREVIATIONS : THESE DRAWINGS MAY USE ABBREVIATIONS . ANY LISTING OF COMMON ABBREVIATIONS ARE SHOWN SO AS TO HELP ONE UNDERSTAND THEIR MEANINGS AND/ OR MEANINGS . CONTACT ARCHITECT IF FURTHER CLARIFICATION IS NEEDED .
5. OUTLINE SPECIFICATIONS : WHERE SHOWN , OUTLINE SPECIFICATIONS ATTEMPT TO INDICATE A BASIC DESCRIPTION OF CONTEXT OF THE WORK BEING PLANNED . WHERE OWNER HAS TRADED FOR ABBREVIATED ARCHITECTURAL AND / OR ENGINEERING SERVICES , IT IS VERY IMPORTANT TO READ THE OUTLINE SPECS .
6. REDUCTION / SCALING : TO GREATEST EXTENT POSSIBLE UNDER CONTRACT , THIS DOCUMENT SET WAS PRODUCED TO THE SCALE(S) INDICATED . HOWEVER , DUE TO INTERMITTENT PLOT AND/OR REPRODUCTION DISTORTION , ETC . ONE SHOULD RELY ONLY ON ACTUAL DIMENSION NOTATIONS .

COMMON ABBREVIATIONS

| | | | | | | | |
|-----------|----------------------------|-----------|---------------------------|-----------|------------------------|--------|-------------------------|
| A. | AREA | EW. | EACH WAY | MTL. | METAL | TOM. | TOP OF MASONRY |
| AC. | AIRCONDITIONING/ | EX.(AV) | EXCAVATED(XION) | MTR. | METER | TOP. | TOP OF PARAPET |
| ACCESS. | ALTERNATING CURRENT | EXH. | EXHAUST | MULL. | MULLION | TOS. | TOP OF STEEL |
| ACCORD. | ACCORDANCE | EXIST(G). | EXISTING | | | TOW. | TOP OF WALL |
| ACUST. | ACOUSTICAL | EXP. | EXPANDED(XION)/ | N. | NORTH | TRANS. | TRANSMISSION/TRANSON |
| ACT. | ACTUAL | EXT(ER). | EXTERIOR | NAT. | NATURAL | TV. | TELEVISION |
| ADA. | AMERICAN DISABILITIES ACT | | | NC. | NON-COMBUSTIBLE | TYP. | TYPICAL |
| ADDN. | (SATISFY ANSI A IT) | F. | FEET/FOOT | NC. | NOT IN CONTRACT | UNFIN. | UNFINISHED |
| ADDNL. | ADDENDUM | FAB. | FIRE ALARM | NO. | NUMBER | URIN. | URNAL |
| ADH. | ADDITIONAL | FAB(RIC). | FABRICATED | NO. | NOMINAL | UTIL. | UTILITIES |
| ADHES. | ADHESIVE | FAST. | FASTENER | NONCOR. | NONCORROSIVE | VAP. | VAPOR |
| ADJ. | ADJACENT | FBR. | FIBER | NRC. | NOISE REDUCTION | VAR. | VARIANCE |
| ADJUST. | ADJUSTABLE | FCO. | FLOOR CLEAN OUT | NSF. | NET/NOMINAL SQUARE | VARN. | VARNISH |
| AF. | ABOVE FINISHED FLOOR | FDR. | FLOOR DRAIN | | FOOTAGE | VB. | VINYL BASE |
| ASC. | STEEL CONSTRUCTION | FDN. | FOUNDATION | | | VCT. | VINYL COMPOSITION TILE |
| | ALTERANATE(ING) | FE. | FIRE EXTINGUISHER | OA. | OVERALL | VEND. | VENDING |
| ALUM. | ALUMINUM | FEC. | FIRE EXTINGUISHER CABINET | OC. | ON CENTER | VENIR. | VENER |
| ANCH. | ANCHOR | FEF. | FINISHED FLOOR ELEVATION/ | OF. | OFFICE | VEST. | VESTIBULE |
| ANOD. | ANODIZED | | FURNISHINGS, ETC. | OFF(C). | OWNER FURNISHED & | VERT. | VERTICAL |
| ANGI. | AMERICAN NATIONAL | FIN. | FINISHED | OFCL. | CONTRACTOR INSTALLED | VIS. | VISUAL |
| | STANDARDS INSTITUTE | FLASH(G). | FLASHING | OH. | OVERHEAD | VTR. | VENT THRU ROOF |
| APA. | AMERICAN PLYWOOD | FLEX. | FLEXIBLE | OPNG. | OPENING | VWC. | VINYL WALL COVERING |
| | ASSOCIATION | FLOUR. | FLOURESCENT | ORD(N). | ORDINANCE | | |
| APPLIC. | APPLICABLE/APPLICATION | FLO. | FLOOR | | | W. | WITH |
| APPROX. | APPROXIMATELY | FOB. | FACE OF BRICK | | | WB. | WALLBOX |
| ARCH. | ARCHITECT(URAL) | FOC. | FACE OF CONCRETE/CURB | P. | PAINT | WC. | WALL COVERING/ |
| ASPH. | ASPHALT(UM) | FOM. | FACE OF MASONRY | PAR. | PARALLEL/PARAPET | WCO. | WATER CLOSET |
| ASTM. | AMERICAN SOCIETY FOR | FOS. | FACE OF STEEL/STUD(S) | PART. | PARTICLE/PARTITION | WD. | WOOD |
| | TESTING OF MATERIALS | FT. | FEET/FOOT | PCF. | POUNDS PER CUBIC FOOT | WDH. | WIDTH |
| AUTO. | AUTOMATIC | FTG. | FOOTING | PEST. | PEDESTAL | WID. | WIDED GLASS |
| AWG. | AMERICAN WELDING | FURN. | FURNISHINGS/FURNITURE | PERF. | PERFORATED | WH. | WALL HUNG/WATER HEATER/ |
| | SOCIETY | | | PERIM. | PERIMETER | WIDR. | WALL HYDRANT |
| BD. | BOARD/BD | GA. | GAUGE/GEORGIA | PKG. | PARKING | WN(D). | WINDOW |
| BEV. | BEVELED | GALV. | GALVANIZED | PL. | PLASTIC LAMINATE/ | WNG. | WORKING |
| BIA. | BRICK INSTITUTE | GC. | GENERAL CONTRACTOR | PLAST. | PLASTER/PROPERTY LINE | WL. | WALL |
| | OF AMERICA | GCO. | GRADE LEVEL/CLEAN OUT | PLT. | POUNDS PER LINEAR FOOT | WO. | WITHOUT |
| BIT. | BITUMENUS | GD. | GRADE/GROUND | PLSTR. | PLASTER | WOM. | WOMEN |
| BKRD. | BACKER-ROD | GEN. | GENERAL/GENERATOR | PLT. | PLATE | WP. | WATERPROOFING |
| BLDG. | BUILDING | GHM. | GALVANIZED HOLLOW METAL | PLUMB(G). | PLUMBING | WTR. | WATER |
| BLK(G). | BLACK(BLOCKING) | GL. | GLASS/GLAZING | PLYWD. | PLYWOOD | WVF. | WELDED WIRE FABRIC |
| BLM. | BEAM/BLOCK | GR. | GRADE/GROUND | PAN. | PAN | YD. | YARD |
| BOC. | BACK/BOTTOM OF CURB | | | PREENG. | PRE-ENGINEERED | ZON. | ZONE(ING) |
| BOT. | BOTTOM | GRAY. | GRAVEL | PREFAB. | PREFABRICATED | | |
| BRG. | BEARING | GRND. | GROUND | PREFIN. | PREFINISHED | | |
| BGMNT. | BASEMENT | GSKT. | GASKET(ED) | PROP. | PROPERTY | | |
| BULL. | BULLETIN | | | PSF. | POUNDS PER SQUARE | | |
| CA. | CONSTRUCTION | HB. | HOSE BBB | | FEET/FOOT | | |
| | ADMINISTRATION | HC. | HANDICAPPED/HOLLOW CORE | | POUNDS PER SQUARE | | |
| CAB. | CABINET | HD. | HEAD/HARD/HAND/ | | NCH | | |
| CAP. | CAPACITY | | HEAVY DUTY | PT. | PAINT/POINT/PRESSURE | | |
| CARP. | CARPENTRY/CARPET | HDWE. | HARDWARE | | TREATED | | |
| CB. | CATCH BASIN | HEX. | HEXAGONAL | PVC. | POLYVINYL CHLORIDE | | |
| CC. | CEMENT COAT(ED) | HM. | HOLLOW METAL | PVMNT. | PAVEMENT | | |
| CD. | CODE/ CONSTRUCTION | HOR(IZ). | HORIZONTAL | | | | |
| | DOCUMENTS | HOSP. | HOSPITALITY | QT. | QUARRY TILE | | |
| CEM. | CEMENT(IOUS) | HPDL. | HIGH PRESSURE DECORATIVE | QUAL. | QUALITY | | |
| CER. | CERAMIC | | LAMINATE | QTY. | QUANTITY | | |
| CF. | CUBIC FEET (FOOT) | HR. | HANDRAIL/HOUR | | | | |
| CFCL. | CONTRACTOR FURNISHED | HT. | HEIGHT | R. | RADIUS/RISER | | |
| | & INSTALLED | HTG. | HEATING | RAD. | RADIUS | | |
| CHAMF. | CHAMFER | HVAC. | HEATING, VENTILATION & | RCB. | REGLIENT BASE | | |
| CIRC. | CIRCLE/CIRCUMFERENCE | | AR CONDITIONING | | REINFORCED CONCRETE | | |
| CJ. | CONTROL JOINT | | | | PFE | | |
| CLG. | CEILING/COOLING | D. | INSIDE DIAMETER | RD. | ROOF DRAIN | | |
| CLG(S). | CLOSE | KC. | INTERNATIONAL CODE | REC. | RECESSED | | |
| CLR. | CLEARANCE | | COUNCIL | RECIEPT. | RECEPTIONIST/RECEPTOR | | |
| CM. | CENTIMETER/ | INCL. | INCLUDING | REF. | REFERENCE/REFRIGERANT/ | | |
| | CONSTRUCTION MANAGER | INST. | INSTALLATION | | REFRIGERATOR | | |
| CMP. | CORRUGATED METAL PPE | INSUL. | INSULATION | REFL. | REFLECTED | | |
| CML. | CONCRETE MASONRY UNIT | INTERM. | INTERIOR/INTERMITTENT | REG. | REGISTER | | |
| CNTR. | CENTER/COUNTER | | INTERMEDIATE | REINF. | REINFORCED(XINGMENT) | | |
| CNTRL. | CONTROL | INV. | INVERT | RESIST. | RESISTANT | | |
| CO. | CASED OPENING/CLEANOUT | PF. | RON PIN FOUND | RET. | RETARDANT/RETURN | | |
| COL. | COLUMN | PG. | RON PIN SET | REV(D). | REVISED | | |
| COMB. | COMBINATION/ COMBUSTIBLE | | | RGSTR. | REGISTER | | |
| COMP. | COMPACTED/ COMPOSITION/ | JAN. | JANITOR | RH. | RIGHT HAND | | |
| | COMPRESSED(XION)/ | JNT. | JOINT | ROI. | ROUGH OPENING | | |
| | COMPARABLE | JST. | JOIST | ROW. | RIGHT OF WAY | | |
| CONC. | CONCRETE | KD. | KILN DRED/KNOCKDOWN | RT. | RIGHT | | |
| CONF. | CONFERENCE | KIT(CH). | KITCHEN | | | | |
| CONT. | CONTINUOUS/CONTRACTOR | KNOCKOUT | KNOCKOUT | S. | SOUTH/PLURAL | | |
| CORN. | CORNER | | | SC. | SOLD CORE | | |
| CORR. | CORRODOR/CORROSIVE/ | L. | LEFT/LENGTH/LEAR | SCHD. | SCHEDULE | | |
| | CORRUGATED | LAB. | LABORATORY | SD. | SHOP DRAWING | | |
| CPT. | CARPET | LAM. | LAMINATED | SDI. | STEEL DECK/DOOR | | |
| CR. | CLASSROOM | LANDSCAP. | LANDSCAPE(D) | | INSTITUTE | | |
| CRG. | COURSE(S) | LAV. | LAVATORY | SECT. | SECTION | | |
| CRSL. | COUNTERSINK(SUNK) | LB. | FOUND | SECY. | SECRETARY | | |
| CSL. | CONCRETE REINFORCEMENT | LB(LD). | LABEL(D) | SERV. | SERVICE | | |
| | SPECIFICATION INSTITUTE | LG. | LARGE | SHT. | SHEET | | |
| | CONSTRUCTION/ COMPOSITION/ | LH. | LEFT HAND(ED) | SIM. | SIMILAR/SIMULATED | | |
| | SPECIFICATION INSTITUTE | LAUNDRY. | LAUNDRY | SIL. | STEEL JOIST | | |
| CT. | CERAMIC TILE | LOUV. | LOUVER | | INSTITUTE | | |
| CU. | CUBIC | LSC. | LIFE SAFETY CODE | SM. | SMALL/SMOKE | | |
| | | L. | LIGHT | SPAND. | SPANDREL | | |
| DAMP. | DAMPER/DAMP-PROOFING | M. | MEN/METER | SPFEC. | SPECIAL/SPECIFICATION | | |
| DBL. | DOUBLE | MACH(D). | MACHINE(D) | SPKLR. | SPEAKER | | |
| DC. | DIRECT CURRENT | MAINT. | MAINTENANCE | SPKR. | SQUARE | | |
| DD. | DESIGN DEVELOPMENT | MANUF. | MANUFACTURING(ING) | SS. | STAINLESS STEEL | | |
| DEM. | DEMOLITION | MAS. | MASONRY | STD. | STANDARD | | |
| DES. | DESIGNATED/DESIGNER | MAT(L). | MATERIAL | STL. | STEEL | | |
| DET. | DETECTOR | MAX. | MAXIMUM | STO(OR). | STORAGE | | |
| DF. | DRINKING FOUNTAIN | MED. | MEDICAL/MEDIUM | STR. | STRUCT. | | |
| DH. | DOUBLE HUNG | MEMB. | MEMBER/MEMBRANE | SURF. | SURFACE | | |
| DIAG. | DIAGONAL | MFG. | MANUFACTURING | SURF. | SURFACE | | |
| DIA(M). | DIAMETER | MFR. | MANUFACTURER | SUSP. | SUSPENDED | | |
| DING(S). | DIMENSION(S) | MGR. | MANAGER | SVC(G). | SERVICE(S) | | |
| DP. | DUCTILE IRON PPE | MANHOLE | MANHOLE | SYN. | SYNTHETIC | | |
| DSP. | DISPENSER | MA. | MASONRY INSTITUTE | SYST. | SYSTEM | | |
| DIV. | DIVISION | | OF AMERICA | | | | |
| DKG. | DARK/DECK | MILLWK. | MILLWORK | T. | TOILET/TREAD | | |
| DN. | DOWN | MIN. | MINERAL/MINIUM | T&G. | TONGUE AND GROOVE | | |
| DR. | DOOR | MISC. | MISCELLANEOUS | TEL. | TELEPHONE | | |
| DS. | DOWNSPOUT | MOD. | MODULAR | TEN. | TENANT | | |
| DTL. | DETAIL | MOT. | MOTION/MOTORIZED | TERR. | TERRACE/TERRAZO | | |
| DWG(S). | DRAWING(S) | MOV. | MOVABLE | TEXT. | TEXTURE(D) | | |
| | | MWNY. | MASONRY | THK(N). | THICKNESS | | |
| E. | EAST | MTD. | MOUNTED | THRSHH. | THRESHOLD | | |
| EA. | EACH | MTG. | MOUNTING | TOL. | TOLERANCE | | |
| EF. | EACH FACE | | | | | | |
| EGG(S). | EGG(S) | | | | | | |
| EL. | EXPANSION JOINT | | | | | | |
| ELECT. | ELECTRIC(AL) | | | | | | |
| ELIEV. | ELEVATION/ELEVATOR/ | | | | | | |
| | ELEVATED | | | | | | |
| EMERG(S). | EMERGENCY | | | | | | |
| ENAM. | ENAMELED | | | | | | |
| ENCL. | ENCLOSED | | | | | | |
| ENGR(D). | ENGINEER(D) | | | | | | |
| EQ. | EQUAL(SYD) | | | | | | |
| EQUIPT. | EQUIPMENT | | | | | | |
| ESTIM. | ESTABLISHED/ | | | | | | |
| | ESTIMATED | | | | | | |

OUTLINE SPECIFICATIONS

DIV .01 GENERAL

- BID MANUAL : ON BID PROTECTS, REFER TO SEPARATE BOOKLET FOR INSTRUCTIONS TO BIDDERS .
- ARCHITECT'S DOCUMENTS PREPARED IN THIS FORMAT . ARE PRIMARILY FOR PERMITTING PURPOSES & MAY NOT CONTAIN DETAIL NOTES MAY DESIRE FOR COMPETITIVE BIDDING . CONTRACTOR(S) TO ADDRESS ANY DESIRED CLARIFICATION AND/ OR SUPPLEMENTATION AS PART OF THEIR PRICING EXERCISE(S) - OTHERWISE , ALLOW FOR WORK REQUIRED FOR A FULLY OPERATIONAL FACILITY .
- CONSTRUCTION WORK TO BE DONE IN ACCORDANCE W/ APPLICABLE CODE(S) W/ FULL REGARD TO PUBLIC SAFETY . MORE SPECIFIC TO B.C. (INTERNATIONAL BUILDING CODE) :
 - FOUNDATIONS MUST CONFORM TO CHPT. 18 & 19 .
 - MASONRY MUST CONFORM TO CHPT. 21 .
 - STEEL MUST CONFORM TO CHPT. 22 .
 - WOOD MUST CONFORM TO CHPT. 23 .
 - GLAZING MUST CONFORM TO CHPT. 24 .
 - GPDW MUST CONFORM TO CHPT. 25 .
 - ADA COMPLIANCE MUST BE PER CHPT. 11 . (& ANSI A117)
 - MECHANICAL MUST CONFORM TO CHPT. 28 & 29 .
 - ELECTRICAL MUST CONFORM TO CHPT. 27 .
- DOCUMENTS INCLUDED HEREIN WERE PREPARED PER OCCUPANT'S NEEDS (PROGRAM) DESCRIPTIONS SHARED WITH ARCHITECT . REVIEW ANY PROPOSED REFINEMENTS/ SUPPLEMENTS WITH ARCHITECT .
- MISCELLANEOUS :
 - WORK SCHEDULE IS DIAGRAMMATIC IN NATURE . WORK ELEMENTS SHOULD BE PLACED IN GENERAL CONFORMANCE WITH THE LAYOUT(S) INDICATED BUT MAY NEED TO BE OFFSET FOR SITUATIONS SUCH AS REQUIRED SERVICEABILITY ACCESS , ALIGNMENT WITH AND/ OR CLEARANCE ABOVE SUSPENDED CEILING SYSTEM , COORDINATION WITH OTHER TRADES , MECH . UNIT LOADS BEING SUPPORTED PER STRUCTURAL DESIGNER'S INTENT , ETC .
 - DO NOT PERFORM ANY STRUCTURAL ALTERATION WITHOUT AN ENGINEER'S APPROVAL OF THE PROPOSED WORK AND IMPLEMENT ALL MEASURES NECESSARY TO AVOID ANY DAMAGE TO SOILS COMPACTION , FOUNDATION , SLAB , AND/ OR OTHER ELEMENTS STRUCTURAL INTEGRITY .
 - SAFEGUARD THE INTEGRITY OF ANY PROPOSED AND/ OR EXISTING FIRE RESISTANT AND/ OR RATED CONSTRUCTION . ASSURE THAT ANY SUCH FIRE , SMOKE AND/ OR ACOUSTIC BARRIER IS SECURED , SEALED AND PROTECTED .
 - WHEN WORK IS FOR A FRANCHISE DEVELOPMENT , ALL WORK TO BE DONE IN ACCORDANCE W/ FRANCHISOR CONTRACTOR'S MANUAL AND/ OR SCOPE OF WORK .
- APPLICABLE TO AN EXISTING FACILITY :
 - COORDINATE WORK HEREIN WITH PROVISIONS DENOTED ON PREVIOUS PERMIT DOCUMENTS . RECORD ANY APPLICABLE OPEN RECORDS SEARCH SUBMISSIONS TO APPLICABLE PERMIT AUTHORITY(ES)
 - UNO . ALL OF BUILDING ELEMENTS ARE TO REMAIN AS ORIGINALLY DESIGNED/ PERMITTED . NOTIFY ARCHITECT OF ANY CONCERN , AT ANY QUESTIONABLE ELEMENT , PROVIDE OWNER WITH AN ALTERNATE FOR PLACING AND/ OR CORRECTING SAME .
 - WHERE DEMOLITION IS REQUIRED :

7. AS BUILT DRAWINGS : PROVIDE BOTH HARDCOPY AND DIGITAL COPY DESCRIPTIONS OF INSTALLED WORK .

DIV .02 SITEWORK & DEMOLITION

- SEE SEPARATE CIVIL SHEETS AS APPLICABLE :
- DEMOLITION - (WHEN APPLICABLE)
 - REMOVE EXISTING MATERIALS IN SUCH A WAY THAT THEIR REMOVAL WILL NOT DAMAGE ANY MATERIAL THAT IS TO REMAIN - AND THE NEW FINISHES SHOWN HEREIN CAN COVER THE DEMO . SCARS .
 - WHERE PORTION(S) OF ANY CRITICAL ASSEMBLY(ES) MUST BE ALTERED , COORDINATE DEMO . SO THAT NEW MATERIALS CAN BE NESTED BACK INTO EXISTING WORK IN A WAY TO PRESERVE AND/ OR ENHANCE AND/ OR PRE - EXISTING CONDITION (IE . RATED AREA SEPARATIONS , ROOF ASSEMBLIES , ETC .)
 - OBTAIN OWNER APPROVAL OF ANY ROOF WORK TO BE DONE ON A WARRANTED ROOF ASSEMBLY .
 - SEE STRUCTURAL SHEETS FOR DEMO . PRECAUTIONS .
 - REMOVE ALL DEMOLISHED MATERIALS NOT REQUESTED TO BE RETAINED BY OWNER .
- SEE BID MANUAL FOR ANY SPECIFIC PROTECTIVE AND/ OR CLEANUP REQUIREMENTS .

DIV .03 - 05 - SEE STRUCTURAL SHEETS

DIV .06 CARPENTRY

- ROUGH CARPENTRY : SEE STRUCTURAL SHEETS .
- FINISH CARPENTRY : UNO . CONSTRUCT ALL CASEWORK/ CABINETS/ PER AWH 400 STD'S . FOR CUSTOM - MD GRADE MILLWORK , PROVIDE 1/4" GLOSS/ 1/2" HINGES & HEAVY WEIGHT SURFACE MOUNT HANDLES . COORD . FINISH & HDWE . SELECTION W/ OWNER/ OWNER'S INTERIOR DESIGNER .

DIV .07 THERMAL & MOISTURE PROTECTION

- SINGLE MEMBRANE ROOFING : ADHERED MIN . 60 ML . ELASTOMERIC SHEET MEMBRANE SYSTEM MEETING FM (FACTORY MUTUAL) 1-12 CL GLASS . REQUIREMENTS FOR AN 80 MPH WINDLOAD . 20 YR . MANUFACTURER WARRANTY REQUIRED . INSTALLER'S WORK TO BE INSPECTED TO ASSURE SIMILAR INSTALLATION WARRANTY COVERAGE . SEE APPLICABLE BID MANUAL SPECIFICS .
- INSULATION :
 - FIBERGLASS BATT : SEE FINISH SCHEDULE RE . PLACEMENT OF CAVITY DEPTH PRODUCT IN STUD WALLS - AND SIMILAR PRODUCT ADHERED ABOVE CEILING TILES .
 - POLYISOCYANURATE BOARD . ROOF MEMBRANE APPROVED PRODUCT ; MIN . R-12 PER INCH FOIL FACED / SEAM SEALED ASSEMBLY . SEE BRICK VENER DETAILS RE . PLACEMENT IN AIRSPACE & ROOF DETAILS FOR PLACEMENT AS PART OF ROOFING .
- FLASHINGS & SHEET METAL :
 - THRU WALL FLASHING : KRAFT FACED TAR MEMBRANE APPLIED TO BOTH SIDE OF A FLEXIBLE COPPER SHEET . ALSO REFER TO DIV .04 .
 - COPING : MIN . 20 GAUGE FIELD SHAPED METAL CAP TO PARAPET ; SECURED VIA CONCEALED METAL CLIPS AND MIN . EXPOSED NON-CORROSIVE FASTENERS ; EDGES ROLLED FOR SPRING TENSION SNAP TO A CLIP SECURELY GROWED TO SUBSTRATE ; FURTHER DETAILED PER NRCA & SMACNA ARCHITECTURAL STANDARDS ; ALSO REFER TO DIV .04 .
 - METAL FASCIA , CORNICE & EAVE : SEE DIV .03 FOR PRE-ENG . CANOPY .
- DAMP-PROOFING :
 - PRIMER : ANSI/ ASTM D41 COMPLIANT " SPRAY ON " PRODUCT ; COMPATIBLE WITH ADJACENT MATERIALS ; APPLIED OVER RUBBED SMOOTH CMU FACE
 - ASPHALT : ANSI/ ASTM D1227-76-TYPE IV " BRUSH ON " PRODUCT ; COMPATIBLE WITH ADJACENT MATERIALS ; TO ESTABLISH A FULL SEAL OVER PRIMER .
 - MASTIC : ANSI/ ASTM D491 " GUN FID " PRODUCT - TO SEAL AROUND BRICK TE LOOPS , ETC .
- SEALANT(S) & INTUMESCENTS :
 - INTERIOR SEALANTS : ACRYLIC EMULSION LATEX ; SEE FINISH SCHEDULE ; PRE-COLORED TO MATCH ITEMS SUCH AS COUNTERTOPS AND TILES ; PAINTABLE AS NEEDED
 - EXTERIOR SEALANTS : POLYURETHANE PRODUCT CAPABLE OF POSITIVE ENGAGEMENT TO APPLICABLE SMOOTH SURFACES(S) AT 25% ELONGATION ; AT CONTROL JOINTS AND QUESTIONABLE OPENING SURROUNDS , SEALANT IS TO BE PLACED OVER ASTM D1056 BACKER ROD ; AS PER MIN . THICKNESS DENOTED IN MFR'S DESIGN LITERATURE .
 - INTUMESCENT SEALANTS : APPLICABLE SYSTEM AS PER PRODUCT LINE(S) COMPARABLE TO THAT MANUFACTURED AND UL TESTED BY ULTI .

DIV .08 DOORS & WINDOWS (SEE APPLICABLE WALL OPENING SCHED .)

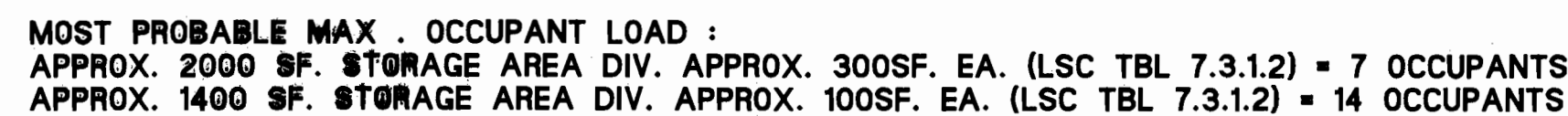
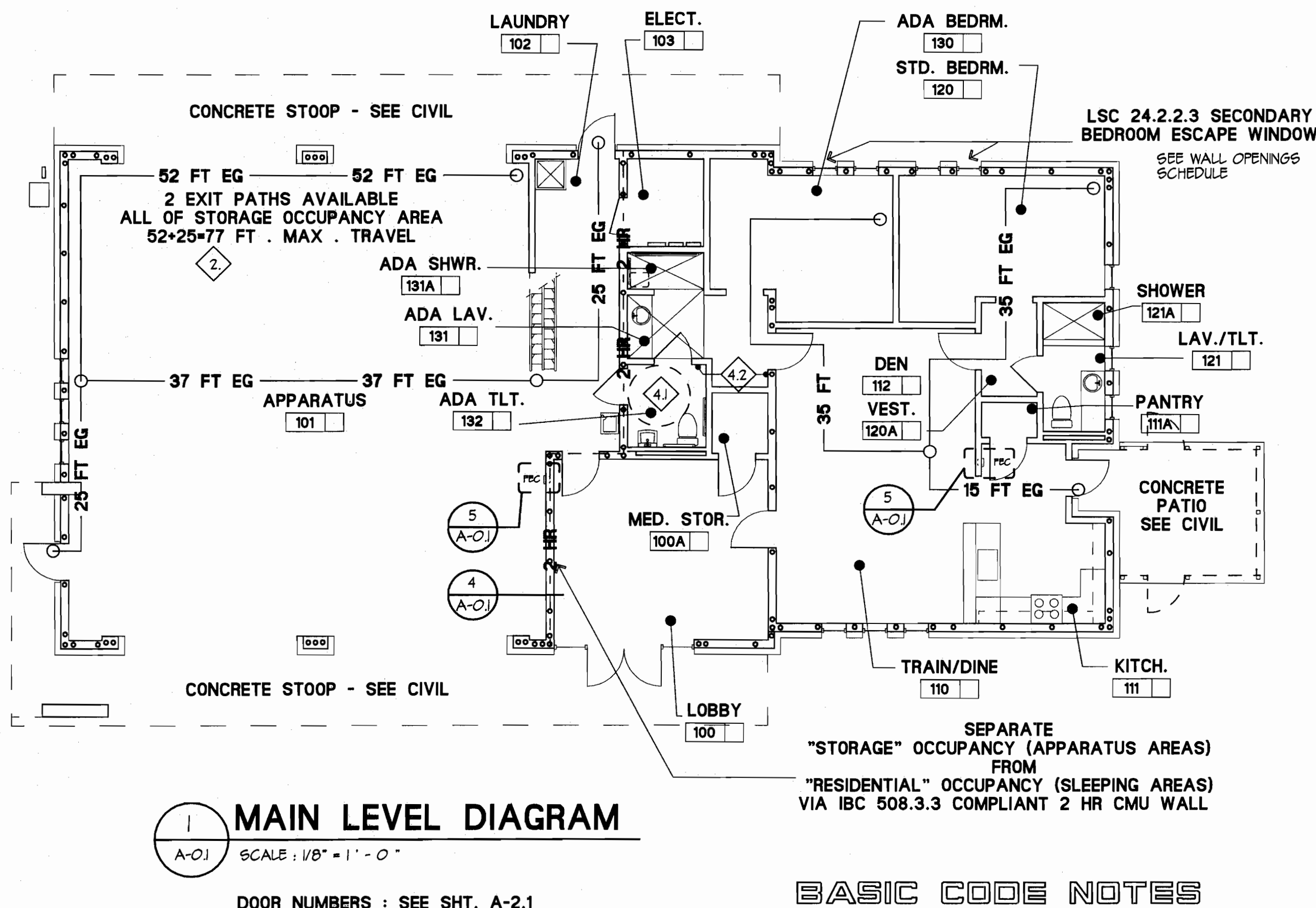
- INTERIOR MAN DOORS : SOLID CORE WOOD PER NWMA 151 & AWH 800/ 1400 " CUSTOM " STD'S ; HIGH PRESSURE DENSE LAMINATE (HPDL) FACES WHERE NOTED . SEAL LEAVES IN A MIN . 16 GAUGE WRAP AROUND HOLLOW METAL FRAME W/ THROAT SIZED FOR LAPPING WALL FACES & WITH RATED LOCATIONS MEETING NFPA 80 STD'S . SUCH AS :
 - 1.45 MN . RATING AT ALL DOORS LOCATED IN A 1 HR . WALL .
 - 1/2 HR . RATING AT ALL DOORS LOCATED IN THE 2 HR . WALL .

DIV .08 DOORS & WINDOWS - CONTD .

- EXTERIOR MAN DOORS :
 - INVERTED CHANNEL TOP , SD100 , GRADE II , MODEL 4 , MN . 18 GAUGE FULLY INSULATED DOOR (S) SET IN A MIN . 16 GA GALVANIZED INTERNAL STRAP ANCHORED HOLLOW METAL FRAME W/ THROAT SIZED FOR LAPPING WALL FACES & WITH RATED LOCATIONS MEETING NFPA 80 STD'S . SUCH AS :
 - 1.45 MN . RATING AT ALL DOORS LOCATED IN A 1 HR . WALL .
 - 1/2 HR . RATING AT ALL DOORS LOCATED IN THE 2 HR . WALL .
- ALUMINUM STOREFRONT :
 - WINDOW(S) : NOM . 2 X 4 PROFILE PREFINISHED FLUSH GLAZED FRAMING SET FOR RECEIPT OF INSULATED GLAZING - ACCESSORIES TO MATCH/ COMPLIMENT ANY EXISTG . UNITS
 - OPERABLE WINDOW(S) : SIMILAR PREFINISHED ALUMINUM STOREFRONT PRODUCT WITH HINGED CASEMENT OPERATION , SIZED , WEATHERSTRIPPED & EQUIPPED WITH MANUFACTURER'S LOCKABLE EGRESS COMPLIANT HARDWARE
 - DOORS : MEDIUM STYLE FLUSH GLAZED UNITS .
 - FINISH : SEE OPENING SCHEDULE .
- ROLLUP DOOR : FULLY WEATHERSTRIPPED , EMERGENCY STOP/ REVERSE , MOTORIZED LIFT / CHAIN OR CRANK LIFT BACKUP , INTERIOR JAMB MOUNT PRE-ENG . PRODUCT COMPARABLE TO THAT MANUFACTURED BY " OVERHEAD DOOR " MODEL 626 STORITITE W/ HIGH USAGE OPTION PACKAGE .
 - SLATS : MFR'S STD . HEAVY GAUGE GALV . STEEL WATCHED TO PROTECT'S OPENING SIZE . NOM . 2" INSULATED PROFILE ; REPLACEABLE GREY POWDER COAT FACE W/ GLAZING SLOTS FROM 5 TO 6 FT . AFF
 - ACTUATOR(S) : SECURE PRIVATE SIGNAL TO OPERATE EACH DOOR INDEPENDENTLY VIA SUNBLOC CONTROL . FROM A MIN . OF 4 VEHICLES . ALSO PER 3 PERMANENT SWITCH LOCATIONS - ONE ADJACENT TO LOBBY'S DOOR INTO VEHICULAR BAY & ONE EACH ON EAST & WEST WALLS BETWEEN DOORS
 - LOCKS : CHECK & COORDINATE KEYING WITH ANY REQUIRED MASTER-KEYING SYSTEM USED BY OWNER .
- GLAZING :
 - PROVIDE INSULATED GLAZING AT ALL EXTERIOR LOCATION(S) .
 - COORDINATE ANY VISION LITE REQNM . W/ OWNER . INSTALL RATED GLASS AS PER NFPA 80 & AS A MIN . UNIT TWO HOUR WALL ELEMENTS TO 100 SQ . IN . WITH MAX . 10" WIDTH / MAX 33" HT
 - PROVIDE SAFETY GLAZING , PER CODE W/ MIN . PLACEMENT WITHIN 2 FT . OF ANY DOOR .
- HARDWARE :
 - ALL HARDWARE TO MEET ADA REQUIREMENTS - INCLUDING PROVIDING LEVER HANDLES THRUOUT . COORDINATE PRODUCT LINES & MAST KEYING PREFERENCES , REMOVABLE CORE COORDINATIONS , ETC . WITH OWNER .
 - WEATHERSTRIP ALL EXTERIOR UNITS . FOAM FILL OR LOOSE STUFF PERIMETER OF NON-CMU FRAMES WITH FIBERGLASS INSULATION PRIOR TO APPLYING TRIM .
 - COORDINATE ALL DOOR STOPS PER OWNER SELECTION .

DIV .09 FINISHES (SEE BASIC MATL / RM . FINISH SCHED)

- UNO . INTERIOR DESIGN IS BY SEP . OWNER CONSULTANT . COMPLY W/ MIN . IBC CHPT . 8 .
- CONSTRUCT ALL GPDW INFILL AND PARTITIONS PER MANUFACTURER'S GUIDELINES COMPARABLE TO US GYPSUM'S CONSTRUCTION HANDBOOK ; UNLESS WOODS STUDS ARE SPECIFICALLY DENOTED , USE MIN . 3/8" X 20 GA METAL STUDS ; PROVIDE GLP JOINT PLATE CONNECTIONS TO ACCOMMODATE ANY STRUCTURAL FLEXURE ; PATCH AND/ OR CONSTRUCT RATED GPDW WALLS PER APPLICABLE REQUIREMENTS . IN WALLS WITHOUT FACE FINISHES PLACED . ATTACH MIN . 20 GAUGE HEXAGONAL WIRE TO STUDS TO SECURE ANY STUD SPACE INSULATION .
- PAINTS : SEE FINISH SCHEDULE ; ASSURE CORRECTED PREPARED SUBSTRATE READY FOR RECEIPT OF FINAL FINISHES : MIN . PRIMER & 2 COATS AS PER PAINT MFR'S RECOMMENDED APPLICATION .
- MISCELLANEOUS :
 - VERIFY ALL FINAL SELECTIONS WITH OWNER PRIOR TO INSTALL .
 - COORD . SMOOTH , HARD AND WATER RESISTANT TOILET FINISHES TO MIN . 4" AFF ; SLOPE TO DRAIN WHERE APPLICABLE .
 - PROVIDE MIN . 3/4" LAY IN ACOUSTICAL CEILING W/ TILE ASSEMBLY WIRED & RATED PER APPLICABLE CIBCA STD'S . FOR ACCEPTING OF ALL LOADS TO BE APPLIED . INCLUDING ANY APPLICABLE OVERLAY INSULATION LOAD .



PRIMARY CODE (6) ENFORCED:
 AS PART OF PRELIMINARY DOCUMENT PREP AND REVIEW, LOCAL PERMITTING DEPARTMENT HAS
 INDICATED THAT THEY ONLY COMPLY WITH THE GEORGIA MINIMUM STANDARD BUILDING CODE
 (GMSBC). GMSBC IS ESSENTIALLY THE INTERNATIONAL CODE CONGRESS (ICC) MODELS,
 WHEN VIA GEORGIA AMENDMENTS, SOME OTHER RELATED CODE CRITERIA, SUCH AS THAT PRESENT
 IN THE LIFE SAFETY CODE (LSC = NFPA (1)) AND/OR THE HANDICAPPED CODE (HC = ANSI
 A117) EITHER REPLACES AND/OR SUPPLEMENTS SUCH ICC CODE CRITERIA .

THE FOLLOWINGS IS ORGANIZED AS PER SUCH BASIC ICC AND/OR INTERNATIONAL BUILDING CODE
 CHAPTERS (1) THROUGH (16) AND (17) AND/OR CLARIFY HOW SUCH
 HYBRID CODE CRITERIA APPEARS TO RELATE TO THIS PROJECT .

1. CHAPTER ONE: "ADMIN."
2. ARCHITECT'S DOCUMENTS REFLECT ONLY THE DESIGN WORK REQUIRED IN THE OWNER ARCHITECT AGREEMENT.
3. ELEMENTS OF MEANS OF EGRESS: SEE CHAPTER 10 NOTES.
4. EXTERIOR ENVELOPE:
 1. SEE CHAPTER 3 § 14 NOTES
 2. ALL NEW OR EXISTING ELEMENTS ENCLOSEING CONDITIONED SPACE ARE TO MEET INTERNATIONAL ENERGY CODE REQUIREMENTS SUCH AS MIN. R-9 WALLS AND R-30 CEILING/ROOF
 3. ANY RE-USED EXTERIOR ENVELOPE IS TO REMAIN AS ORIGINALLY PERMITTED/ CONSTRUCTED BUILDING SHELL EXCEPT FOR POSSIBLE ADJUSTMENTS SHOWN ON THE WALL OPENINGS SCHEDULE AND/OR FURRING OF INTERIOR FACE OF EXTERIOR WALLS.
 4. EXISTING BUILDING CONDITIONS : WHEN SUCH CONDITIONS ARE APPLICABLE - ONE SHOULD NORMALLY REFER TO PREVIOUS PERMIT DOCUMENTS' CODE BASICS. THEREFORE, THIS WORK'S DESIGNER(S) MUST REQUEST RECORD PURCHASE OF SAME VIA AN OPEN RECORDS REQUEST - AND IF N/A, LABEL ASSEMBLY AND DENOTE AN APPARENTLY APPLICABLE CODE BASICS SUMMARY - IN EACH OF THE FOLLOWING CATEGORIES.

CHAPTER TWO: " DEFINITIONS " - NO CLARIFICATIONS NEEDED.

CHAPTER THREE - "USE & OCCUPANCY" - GMSBC DENOTES THE LIFE SAFETY CODE (LSC), CHAPTER SIX AS THE REQUIRED OCCUPANCY CLASSIFICATION DETERMINANT - WITH THE INTERNATIONAL BLDG CODE (IBC) TO SERVE AS A SECONDARY CLASSIFICATION TOOL. THE FOLLOWING LISTS THE CODE REFERENCES SEEMINGLY MOST APPLICABLE TO THIS BUILDING:

1. LSC 610.1 (INCIDENTAL DWELLING UNIT) (AKA BLDG OCC. CLASS "R-3") - THIS BUILDING HAS APPROX. 1400 SF DEVOTED TO LIVING QUARTERS FOR EMS PERSONNEL - LIVING AS A FORM OF OPENLY COMMUNICATING FAMILY UNIT.
2. LSC 610.3 (STORAGE) (AKA BLDG OCC. CLASS "S-1") - THIS BUILDING HAS APPROVED FOR EMS SERVICE'S VEHICLE STORAGE - FURTHER SUB-CLASSIFIED AS LSC 612.2.3 "ORDINARY HAZARD" PER OWNER'S REPORTED USE OF SPACE - AND PER DECISION TO MEET LSC 611.4 REQUIREMENTS FOR A "SEPARATION OF OCCUPANCIES" - E - 2 HR. OCCUPANCY SEPARATION WALLS PER LSC TABLE 611.4.1.
3. LSC 611.12.1.3 (INCIDENTAL & ACCESSORY SPACE USES) - THIS BUILDING HAS ONE LEVEL SMALL STORAGE AND FRONT ENTRY/ POTENTIAL OFFICE USE ROOM REQUIRES NO DIFFERENTIATION.

CHAPTER FOUR: " SPECIAL OCCUPANCY REQMNTS." NO SPECIAL REQMNTS. APPLY TO OWNER'S PLANNED USES DESCRIBED TO DESIGNER(S).

CHAPTER FIVE: "ALLOWABLE HT/ AREA " - GMSBC DENOTES THE INTERNATIONAL BUILDING CODE (IBC & ITS TBL 503) AS THE REQUIRED HT /AREA DETERMINANT - WITH THE LIFE SAFETY CODE (LSC) TO SERVE AS ANY REQUIRED SECONDARY CLASSIFICATION TOOL. ALSO SEE CHAPTER NINE'S NOTES (BELOW) RE FIRE PROTECTION SYSTEMS (FIRE SPRINKLERS) FOR RELATED HT / AREA INCREASES. THE FOLLOWING LISTS THE CODE REFERENCES SEEMINGLY MOST APPLICABLE TO THIS BUILDING.

1. PER THIS BLDG'S CONSTRUCTION TYPE II (SEE IBC CHAPTER SIX NOTES RE. SUBCLASS A & B).
IBC TBL. 503. DENOTES THAT - FOR THE ABOVE R-3 & S-1 OCCUPANCY TYPES, THE MAX ALLOWABLE
HT / AREA CONDITION IS - 4 STORES @ 16,000 SF PER FLOOR

2. NO INCREASE CALC'S WERE REQUIRED BUT THE FOLLOWING WAS PRESERVED FOR REFERENCE SHOULD
FUTURE CHAS. FACTORS BE CHANGED:

POTENTIAL SPRINKLER USE INCREASE: IBC 506.3'S 72% ALLOWABLE SF INCREASE.
POTENTIAL SPRINKLER USE INCREASE: IBC 506.2'S ALLOWABLE 72% INCREASE.

CHAPTER SIX: "CONSTRUCTION TYPE" - GMSBC DENOTES THE INTERNATIONAL BUILDING CODE (IBC & ITS TABLE 602) AS THE REQUIRED CONSTRUCTION TYPE DETERMINANT - WITH THE LIFE SAFETY CODE (LSC) SECTION 8.2 AND ITS ACCOMPANYING NFPA 220 TYPOLOGIES) AS SECONDARY CLASSIFICATION TOOLS. THE FOLLOWING LISTS THE CODE REFERENCES SEEMINGLY MOST APPLICABLE TO THIS BUILDING:

I. IBC CONST. TYPE II - SUB-CLASS "B" (UNPROTECTED - UNSPRINKLERED) - PER IBC TBL. 601) - AKSA IN THE LIFE SAFETY CODE (LSC) AS TYPE III - 000".

CHAPTER SEVEN: - RATED CONSTRUCTION - - GMSBG HAS NO INDICATION OF APPLICABLE CODE DETERMINANT - - SO IBC CHAPTER SEVEN IS ASSIGNED TO CONTROL. THE FOLLOWING LISTS THE CODE REFERENCES SEEMINGLY MOST APPLICABLE TO THIS BUILDING'S DESIRED OCCUPANCY SEPARATIONS - - SEE CHAPTER 3.5.5 SEPARATED OCCUPANCY NOTES :

1. OUR RATED MIX OCCUPANCY SEPARATIONS
2. 1 HOUR NON-ACCESSORY LARGE MEZZANINE MECHANICAL SPACE SEPARATION
3. NO OTHER RATED CONSTRUCTION APPARENTLY REQUIRED.

CHAPTER EIGHT: " INTERIOR FINISHES " - GMSBC DENOTES THE LIFE SAFETY CODE (LSC & ITS CHAPTER TEN) AS THE REQUIRED CODE DETERMINANT .
1. SEE SEPARATELY PREPARED INTERIOR DESIGN DOCUMENTS, OR ABSENT SAME, ARCHITECT'S FINISH SCHEDULE FOR DESCRIPTION OF BASIC MATERIAL CHARACTERISTICS .

CHAPTER NINE: FIRE PROTECTION SYSTEMS * GMSBC DENOTES THE LIFE SAFETY CODE (LSC & ITS CHAPTER NINE) AS THE REQUIRED CODE DETERMINANT. THE FOLLOWING LISTS THE CODE REFERENCES FURNISHING MOST APPLICABLE TO THIS BUILDING:

1. FIRE/ SMOKE ALARMS: LSC 9.6.11 DENOTES PER APPLICABLE OCCUPANCY CHAPTER REQUIREMENTS. SEE CHAPTER THREE NOTES FOR THIS BUILDING'S OCCUPANCY TYPES - WITH APPLICABLE CODE REQUIREMENTS NOTED AS FOLLOWS:

[illegible]

CHAPTER TEN: * MEANS OF EGRESS * GMSBC DENOTES THE LIFE SAFETY CODE (LSC & ITS CHAPTER SEVEN) AS THE REQUIRED CODE DETERMINANT. * THE FOLLOWING LISTS THE CODE REFERENCES SEEMINGLY MOST APPLICABLE TO THIS BUILDING:

- 1. SEE ADJACENT FLOOR PLAN AND/OR RELATED WALL OPENING SCHEDULE FOR NOTATION OF ANY SPECIAL MEANS OF EGRESS CONCERNS, CALCULATION OF OCCUPANT LOADS, ETC.
- 2. EXISTING BUILDINGS: WHERE APPLICABLE, UNLESS NOTED OTHERWISE, THE EXISTING BUILDING'S TRAITS SHOULD BE SUFFICIENT FOR THIS BUILDOUT OCCUPANT'S PLANNED USE.

CHAPTER ELEVEN: "ADA ACCESSIBILITY" - GMSBC HAS NO INDICATION OF REQUIRED CODE DETERMINANT
SO IBC CHAPTER 11 IS ASSUMED TO CONTROL - AS MODIFIED PER GMSBC AMENDMENTS AND ITS REQUIRED
COMPLIANCE WITH GA. VERSION OF NATNL. HANDICAPPED CODE - E - ANSI A117.
SEE PERMIT DOCUMENTS PREPARED FOR SEPARATE AND/ OR PREVIOUS SITE ELEMENT CONSTRUCTION
FOR ANYWAY. (SEE ATTACHED GMSBC CODES)

2. SEE ADJACENT FLOOR PLAN AND RELATED ADA DIAGRAMS FOR NOTATION OF REQUIRED ACCESSIBILITY
PROVISIONS FOR THE BUILDING ITSELF.

CHAPTER TWELVE: (OTHER INTERIOR SPACE REQMENTS)

1. SEE ANY RELATED INTERIOR DESIGN DOCUMENTS.
2. ANY FLOOR SUBJECT TO REPEATED WETTING IS TO BE SMOOTH, HARD, AND WATER RESISTANT TO A HIT OF 50 LBS. SEE RELATED FINISH SCHEDULE, OUTLINE SPECS, ETC.
3. ANY FLOOR USED FOR STORAGE OR STORAGE LOCATED ABOVE FLOOR OF 6" ABOVE FLOOR.
4. WHEN RELATED TO RENOVATIONS, SEE PERMIT DOCUMENTS PREPARED FOR PREVIOUS CONSTRUCTION, ESP. FOR ATTIC/INTERSTIAL SPACE VENTING.

CHAPTER THIRTEEN & FOURTEEN: (ENERGY EFFICIENCY & EXTERIOR WALLS)

1. SEE FLOOR PLAN (S), RELATED FINISH AND/OR HVAC EQUIPMENT SCHEDULE(S) AND RELATED OUTLINE SPECS FOR ENERGY EFFICIENCY OF ANY NEWLY PROPOSED WORK.

2. EXISTING BUILDINGS: WHEN APPLICABLE, UNLESS NOTED OTHERWISE, EXISTING BUILDING'S ENERGY EFFICIENCY IS BELIEVED SUFFICIENT AS PER ITS ORIGINAL DESIGN/ PERMIT.

CHAPTER FIFTEEN THRU THIRTY FIVE: (MISC MATERIAL, SYSTEMS AND/OR ADMIN. REQMENTS.)

1. SEE OUTLINE SPECS FOR LISTING OF BASIC MATERIAL REQUIREMENTS.
2. SEE OUTLINE SPECS FOR LISTING OF WORK BEING PROVIDED BY SEPARATE OWNER CONSULTANTS

OTHER RELATED CODE NOTES

1. ALL RELATED ELEMENTS MUST COMPLY WITH THEIR RESPECTIVE PORTIONS OF STATUTORY CODES
SEE ALL RELATED CONSTRUCTION DOCUMENTS.

designer's
seal

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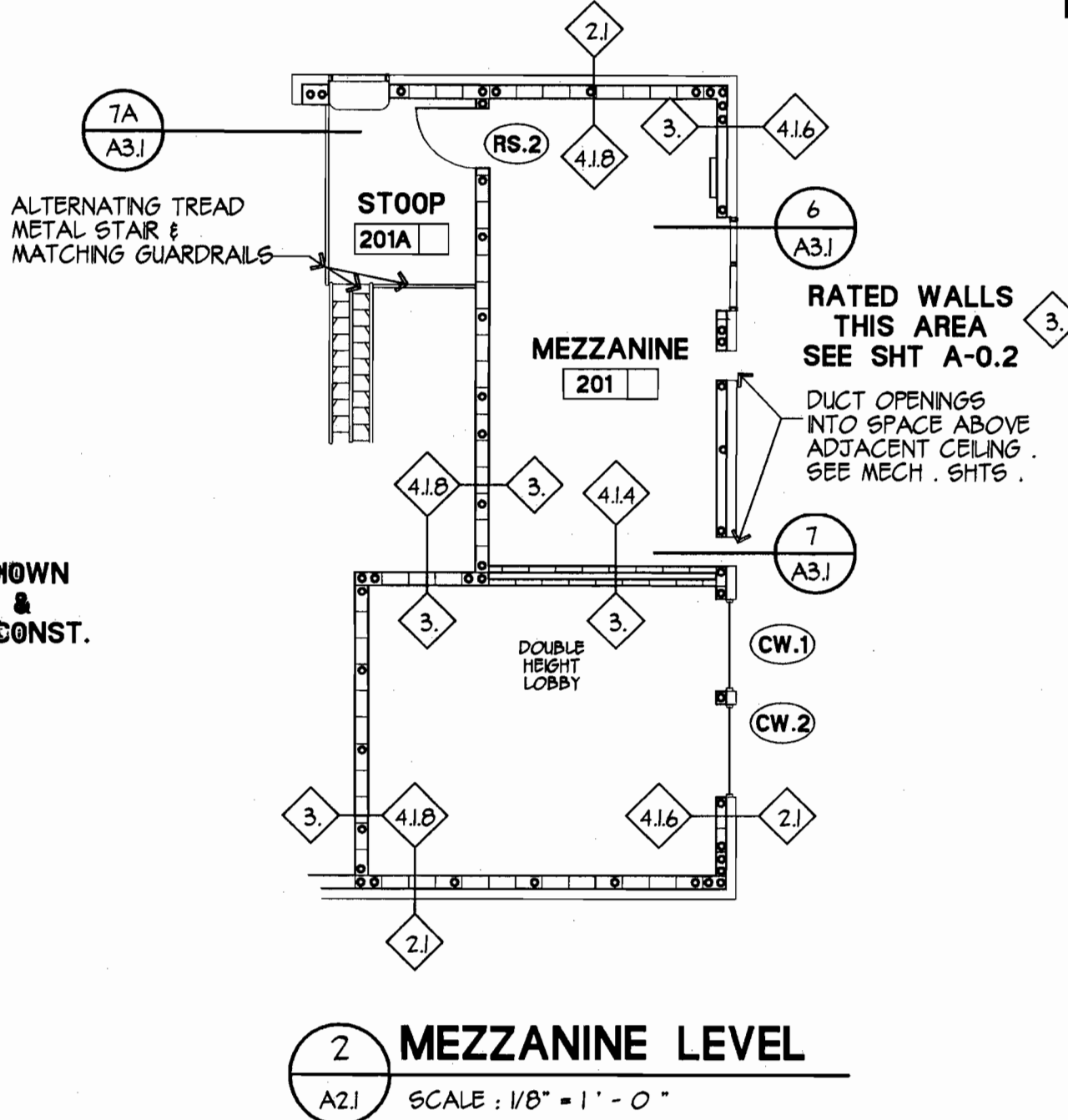
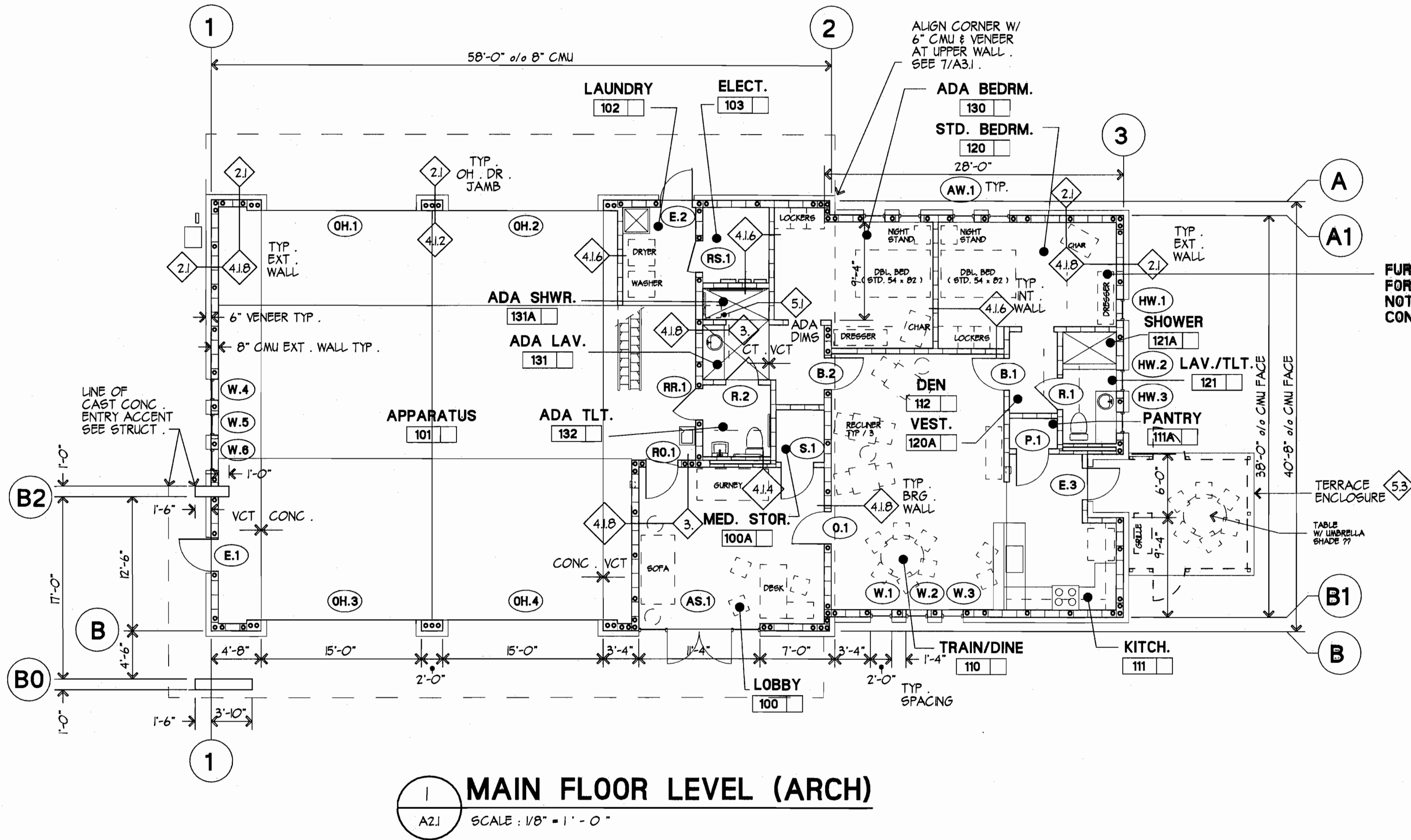
PROTOTYPE EMS STATION

| SHEET ISSUE DATES | |
|-------------------|--------------------------------|
| 6/22/2014 | 90% CD PROGRESS REVIEW |
| 7/7/2014 | UPDATED 90% CD PROGRESS REVIEW |
| 9/22/2014 | PERMIT REVIEW PRINTS |
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& number:

**BASIC CODE
REVIEWS**

Q. A.



GENERAL NOTES (GEN. CONST.)

- ABBREVIATIONS AND NOTE LISTINGS ARE PROTOTYPICAL IN NATURE AND MAY CONTAIN SOME REFERENCES NOT BEING USED FOR THIS PROJECT .
- ASSURE THAT OTHER TRADES ARE AWARE OF ARCHITECTURAL SHEET REQUIREMENTS AND COORDINATE WITH APPLICABLE DEMOLITION, FINISHES, EQUIPMENT, REFLECTED CEILING PLANS, PLUMBING, MECHANICAL & ELECTRICAL, MISC. SYSTEMS .
- MISCELLANEOUS NOTES : (WHERE APPLICABLE)
 - ANY DIMENSIONS SHOWN WERE DERIVED FROM INFO. PROVIDED TO ARCHITECT . FIELD VERIFY ALL DIMENSIONS . AT TRADE PENETRATIONS OF SPACE ENCLOSURE(S), OBTAIN OWNER APPROVAL OF ADJUSTMENTS THAT MAY BE NEEDED TO AVOID STRUCTURAL INFRINGEMENT .
 - SEE OWNER SUPPLIER'S DRAWINGS FOR COORD. WITH SYSTEMS SUCH AS PHONE, DATA, SECURITY, AUDIO - VISUAL, FIRE/ SMOKE DETECTION/ NOTIFICATION/ SUPPRESSION, ETC .
 - IMMEDIATELY PRIOR TO INSTALL, REVIEW ALL FINAL FINISHES AND FIXTURES FOR OWNER APPROVAL .
- DEMOLITION NOTES : (WHERE APPLICABLE)
 - COORDINATE MINOR DEMO. SO AS TO PROVIDE FOR REPAIR & REFINISHING OF AREA TO MATCH PRE-EXISTING CONDITION UNLESS A CHANGE IN FINISH IS REQUIRED .
 - WHERE EXTENSIVE DEMO IS REQUIRED, SEE SEPARATE DEMO SHEET .
 - OBTAIN OWNER APPROVAL OF ANY PROPOSED RE-USE OF EXISTING FINISHES AND/ OR FIXTURES .
- OCCUPANT BUILDOUT NOTES : (WHERE APPLICABLE)
 - UNO, DRIVE/ PARKING/ DUMPSTER, ETC. WERE PLACED UNDER PREVIOUS CONSTRUCTION . VERIFY PRESENCE, OR PROVIDE WHERE MISSING, THE LABELING OF ALL RATED SPACE ENCLOSURE ELEMENTS .
 - UNO, BUILDING SHELL SURROUNDING OCCUPANT'S SPACE WAS PLACED UNDER PREVIOUS CONSTRUCTION . VERIFY PRESENCE, OR PROVIDE WHERE MISSING, THE LABELING OF ALL RATED SPACE ENCLOSURE ELEMENTS .
- FOOD SERVICE NOTES : (NOT USED THIS PROJECT)
- PROVIDE OWNER WITH AS BUILT DOCUMENTS MARKED UP TO REFLECT ALL FINAL INSTALLATION COORDINATION(S) .
- ALSO REFER TO APPLICABLE CODES AND STANDARDS, KEYED NOTES, SPECIFICATIONS, PRODUCT MANUFACTURER'S DATA, ETC. FOR ADDITIONAL WORK REQUIREMENTS .

KEYED NOTES (GEN. CONST.)

- THE FOLLOWING KEYED NOTES AND SUBNOTES, WHEN PLACED IN PLAN AND RELATED DRAWINGS, ARE USED TO TRY AND KEEP GRAPHICS LESS CLUTTERED WHILE STILL REFERRING ONE TO MORE DETAILED PROJECT CRITERIA .
- WORK BY OTHERS : WHEN THIS KEYED NOTE IS LOCATED ALONGSIDE ANOTHER, IT DENOTES THAT WORK BEING DESCRIBED IS EITHER ALREADY IN PLACE (EXISTING) OR IF NEW, IS BEING PERMITTED AND INSTALLED SEPARATE FROM THE OWNER BUILDOUT BEING DESCRIBED HEREIN . SEE OUTLINE SPECS FOR WORK COORDINATION NOTES .
 - EXTERIOR SHELL : SPACE ENCLOSURES ARE TO BE CONSTRUCTED, OR WHEN EXISTING SO MAINTAINED, TO PROVIDE FOR MAXIMUM RESISTANCE TO WEATHER & VERMIN INTRUSION . ANY WALL PENETRATION IS TO BE PROPERLY FLASHED AND/OR OTHERWISE PROTECTED SO AS TO PREVENT SUCH INTRUSION . ASSURE THAT WALL IS INSULATED PER GA. MIN. STD. BLDG. CODE (GWSBC) REQUIREMENTS .
 - USE OF THIS SUBNOTE DENOTES AN AESTHETIC VENEER MASONRY WALL WITH VENEER'S SUBSTRATE PLACED SO AS TO PROVIDE THE REQUIRED ELEMENT INTRUSION RESISTANCE . SEE WALL DETAILS FOR RELATED ITEMS SUCH AS CAVITY INSULATION & DAMPROOFING, OPENING LITELS, THRU WALL FLASHINGS & WEEPS, VENEER TE ANCHORS, ETC .
 - USE OF THIS SUBNOTE DENOTES AN EXPANDED INSULATION FINISH SYSTEM (EFS) WALL, WITH EFS SUBSTRATE PLACED SO AS TO PROVIDE THE REQUIRED ELEMENT INTRUSION RESISTANCE . SEE SUBSTRATE DETAILS .
 - USE OF THIS SUBNOTE DENOTES AN 8" INSULATED CORE SINGLE W/ THE CONCRETE MASONRY UNIT (CMU) WALL THAT MUST BE CAREFULLY WATERPROOFED AND MAINTAINED DUE TO ITS INHERENT WEATHER RESISTANCE LIMITATIONS . . . ESP SO AS TO AVOID SUBSEQUENT EFFLORESCENT SPALLING OF INTERIOR FINISH .
 - USE OF THIS SUBNOTE DENOTES AN UNINSULATED CORE CMU WALL . ASSURE THAT INTERIOR CMU FACE IS FURRED PRIOR TO ANY FINISH PLACEMENT, FIT MIN. R-12 POLY-ISO CYANURATE OR COMPARABLE FRICTION FIT INSULATION BETWEEN STRIPS . ASSURE MIN. 5/8" STIPSUM DRYWALL (GPDW) BACKER BEHIND ANY INTERIOR FINISH .
 - USE OF THIS SUBNOTE DENOTES AN PREFINISHED INSULATED GLASS ALUMINUM STOREFRONT SYSTEM .
 - RATED WALLS : SEE RELATED BASIC CODE SHT(S) . PROVIDE LABELING OF ALL SUCH SPACE ENCLOSURE ELEMENTS . PLACE LABELS IN CONCEALED SPACES OR, ABOVE TOIST LINE AT OPEN SPACES , AT A MAX 12 FT. ON CENTER, IN 2" HIGH CONTRASTING LETTERS IN PHRASE COMPARABLE TO :
1, 2, OR "X" HR FIRE, SMOKE AND/OR ACOUSTIC WALL (AS APPLICABLE),
PROTECT ALL OPENINGS .
PROVIDE PERIMETER AND / OR THRU WALL SEAL OF INTUMESCENT PRODUCT(S) COMPARABLE TO THAT MFD. BY TENMAT OR HILTI .
 - GENERAL WALLS : UNLESS A DIMENSION LESS THAN THE CEILING HEIGHT, OR ANOTHER KEYED NOTE FOR REQUIRING A RATING ON THE WALL/STALL, IS SHOWN BESIDE THIS NOTE, PLACE WALLS MARKED TO ABOVE REQUIRED CEILING HEIGHT AND BRACE AS NEEDED FOR COMPLETE LATERAL STABILITY, DO NOT ATTACH TO CEILING GRD. COMPLY WITH RELATED CISCA STDS. WHEN USED AS A CONFINEMENT PARTITION, (SUCH AS WALL TO WALL CABINETS AND/ OR EQUIPMENT NICHE (S)) ; CAREFULLY COORDINATE REQUIRED DIMENSIONS WITH APPURTENANCE BEING CONFINED . FILL ANY STUD SPACE AROUND TOILET, PRIVATE OFFICE, CONFERENCE ROOM AND OR SIMILAR SPACE WITH ACOUSTICAL INSULATION, WHERE ACOUSTICAL RATING IS INDICATED, COMPLY W/ SPECIFIED STANDARD(S) . AT PLUMBING WALLS, COORD. ANY REQUIRED PLUMBING CHASE BETWEEN DOUBLE WALLS SHOWN . WHEN USED, THE FOLLOWING SUBNOTES ARE INTENDED TO HELP D BASIC WALL TYPES .
 - CONCRETE MASONRY UNIT : 2ND SUFFIX SUBNOTE : 4 = 4" CMU ; 6 = 6" CMU ; 8 = 8" CMU ; 2 = 12" CMU
 - METAL STUD WALL : 2ND SUFFIX SUBNOTE : 3 = 3 5/8" STUD ; 6 = 6" STUD .
 - WOOD STUD WALL : 2ND SUFFIX SUBNOTE : 3 = 3 1/2" STUD ; 6 = 6" STUD .
 - THE FOLLOWING MISC. SUBNOTES WHEN KEYED TO PLAN PROVIDE A NOTATION OF WORK THAT MAY NOT BE DESCRIBED ELSEWHERE .
 - COORDINATE DIMENSIONS AT SHOWER SEAT WALL SO AS TO COMPLY WITH ANSI A117.60 REQMENTS . TO HAVE FINAL SEAT PLACEMENT BE WITHIN 1/2" OF THE SHOWER VALVE WALL & 3" OF THE ENTRY JAMB . FOR EXAMPLE, AN 18" WIDE SEAT REQUIRES 18 + 1/2 + 3 = 22 1/2" FACE TO FACE OF FINISH FOR THE WALL PLACEMENT UPON WHICH AN 18" WIDE SEAT IS MOUNTED . ALSO MAINTAIN A MIN. 36" X 60" CLEAR DIMS. INSIDE STALL & A MIN. 36" OF CLEAR WIDTH @ SHOWER ACCESS OPENING .
 - PROVIDE A MIN. 3/4" PRESSURE TREATED PLYWOOD COUNTER, SUPPLEMENTED WITH BACK & SIDE SPLASHES . PROVIDE ADDITIONAL UNDERSIDE SUPPORT VIA A MIN. 2 X 4 UPRIGHT PT. WD. APPROX. FINISH ALL SURFACES PER ANSI A117.60 PLASTIC LAMINATE APPLICATION STANDARDS . AT ANY OPEN SIDE, PROVIDE A MIN. 3/4" PT. PL. CLAD UNDERSIDE BRACKET ANCHORED NEATLY TO A SOLID SUBSTRATE WITH RECESSED HEAD, NON-CORROSIVE FASTENERS, AT STUD WALL(S) COORDINATE N-WALL BLOCKING OF MIN. 2 X 12 PT. WD. AT ALL ANCHORAGE POINTS .
 - SET 7 FT. TALL MIN. 3" X 3" X 1/4" GALVANIZED STEEL POSTS SECURE & PLUMB INTO CONCRETE PAD (SEE CIVIL SHTS.) . WELD MIN. 2" X 2" X 1/4" CLIPS AT TOP & BOTTOM RAIL LINES FOR SECURING NOW. 5 X 5 FT. CEDAR FENCE PANELS AT 6" ABOVE PATIO . PROVIDED TRIMMED & CROSSBRACED / HINGED / LOCKING DOORS ON EACH SIDE .
 - THE FOLLOWING MISC. SUBNOTES MAY BE KEYED TO PLAN - RELATED TO RENOVATION WORK .
 - REMOVE WALLS & RELATED APPURTENANCE, (DASHED LINES) AND REWORK FINISHES TO THE NEW LINES SHOWN .
 - SUBDIVIDE EXISTING SPACE WITH A NEW WALL . COORDINATE NEW WALL PLACEMENT SO AS TO MESS EXISTING ELECTRICAL APPURTENANCE .
 - COORDINATE WITH OWNER RELATED TO THEIR PLANNED RE-USE OF AN APPURTENANCE AT THIS LOCATION .
 - SEE STRUCTURAL DRAWINGS FOR REQUIRED REFINEMENTS AT THIS LOCATION .

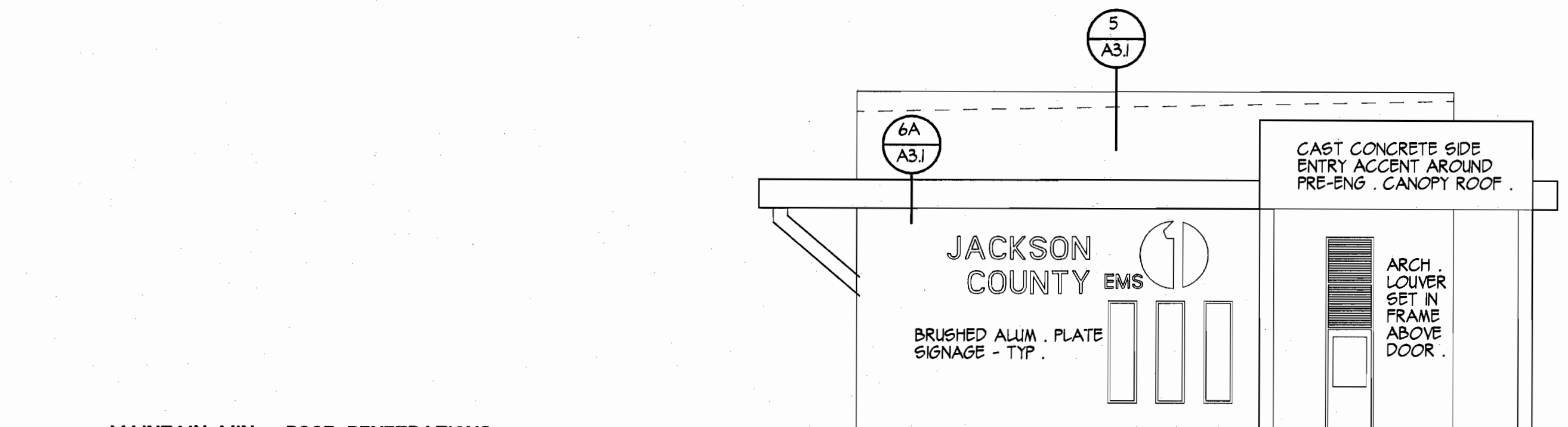
designer's seal
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project
PROTOTYPE EMS
STATION

| SHEET | ISSUE | DATES |
|---------|--------------------------------|-------|
| 6/20/14 | 90% CD PROGRESS REVIEW | |
| 7/7/14 | UPDATED FOR CD PROGRESS REVIEW | |
| 9/22/14 | PERMIT REVIEW PRINTS | |

sheet name
OVERALL ARCH.
FLOOR PLAN
A-2.1



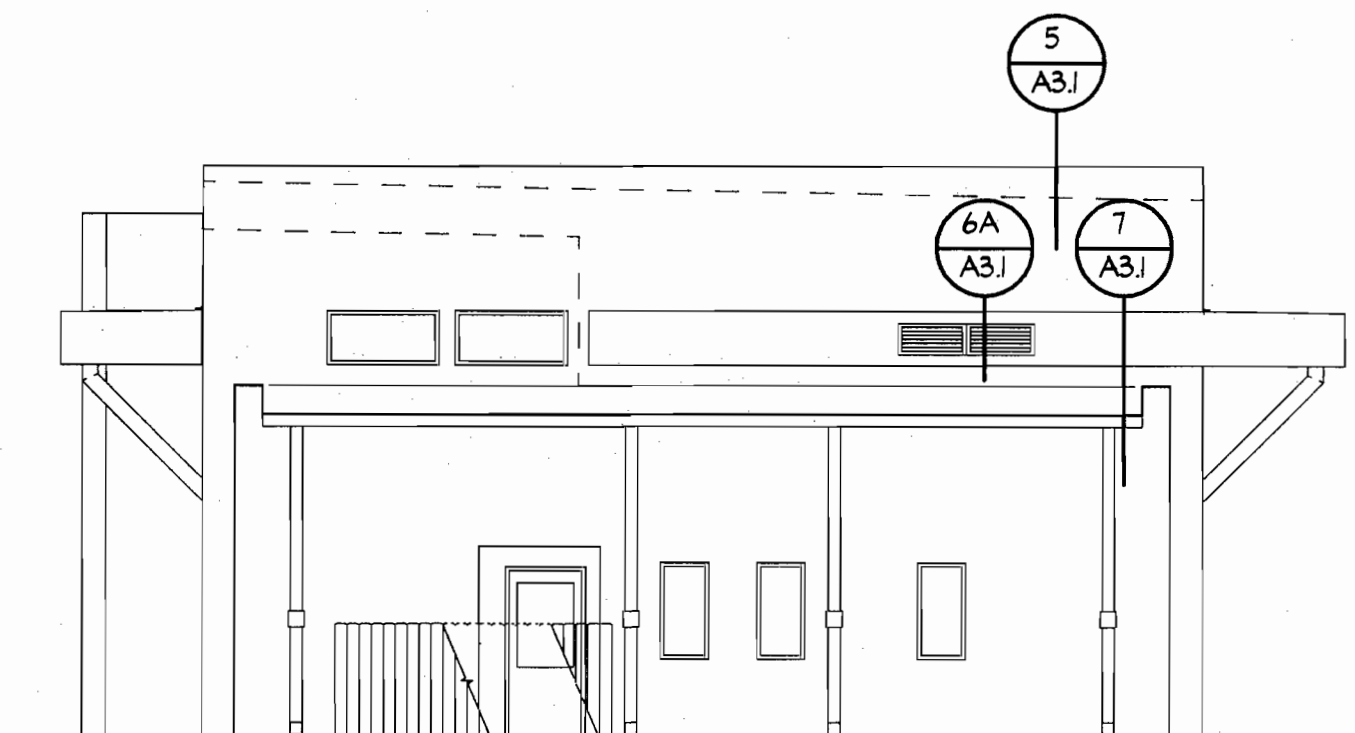
1 SOUTHERN SIDE ELEVATION

A3J SCALE: 1/8" = 1' - 0"

MAINTAIN MIN. ROOF PENETRATIONS AS PER ROOF MFR'S DETAILS - SEE MECH DTL. FOR ANY COMBUSTION FLUE INTERFACE

7 ROOF PENETRATION DTL.

A3J SCALE: NTS

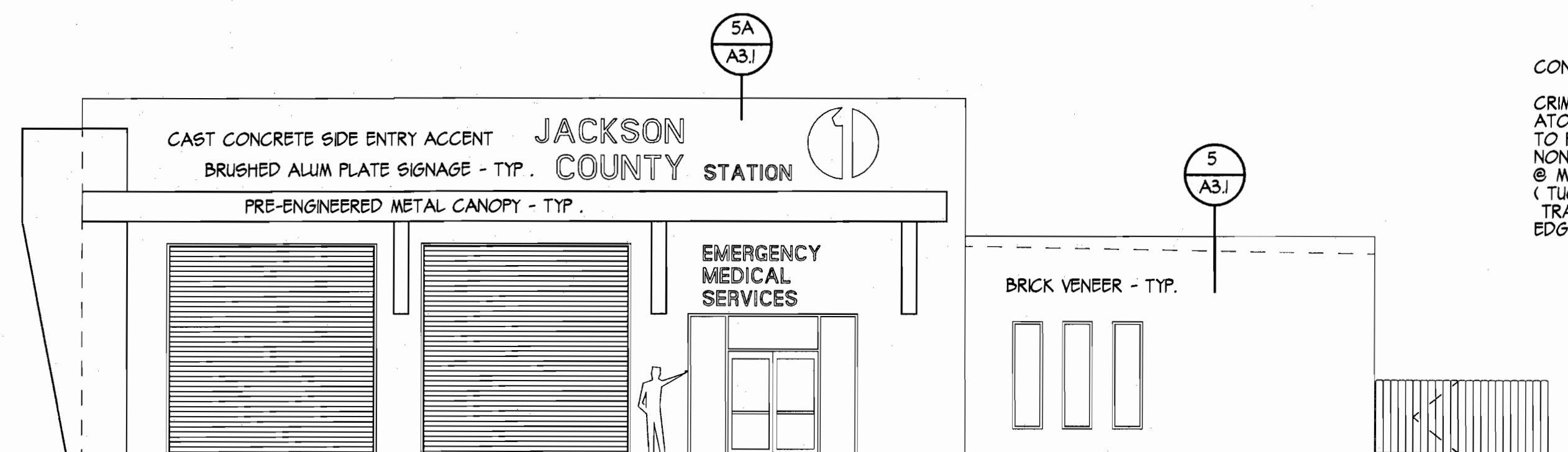


2 NORTHERN SIDE ELEVATION

A3J SCALE: 1/8" = 1' - 0"

7 GUTTERED ROOF EDGE DTL.

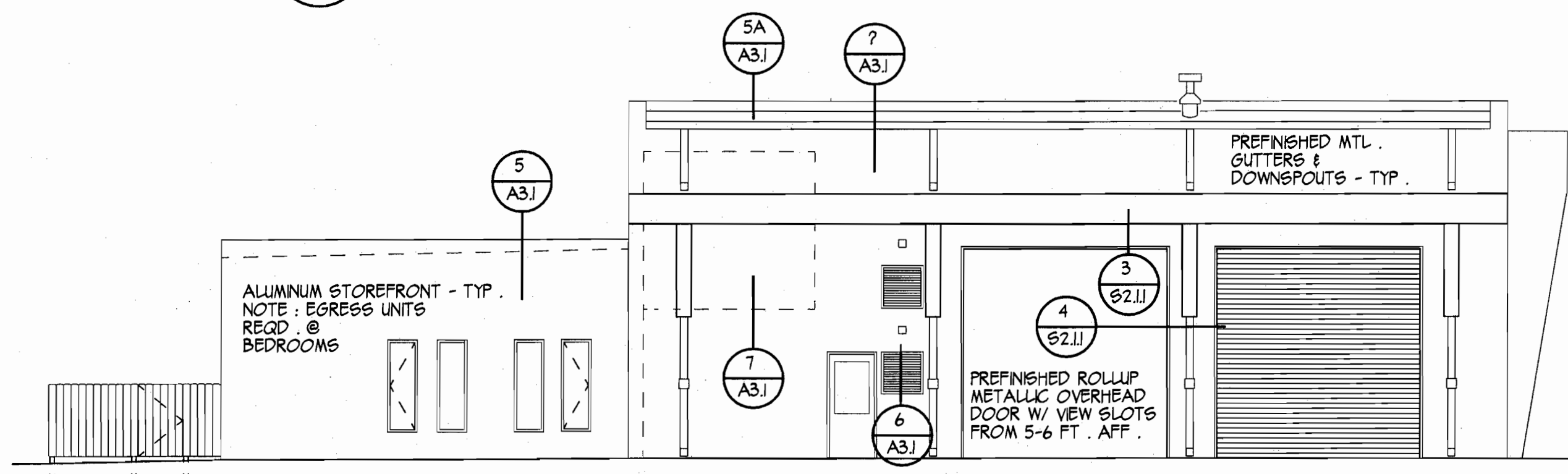
A3J SCALE: NTS



3 EASTERN/ STREETFRONT ELEVATION

A3J SCALE: 1/8" = 1' - 0"

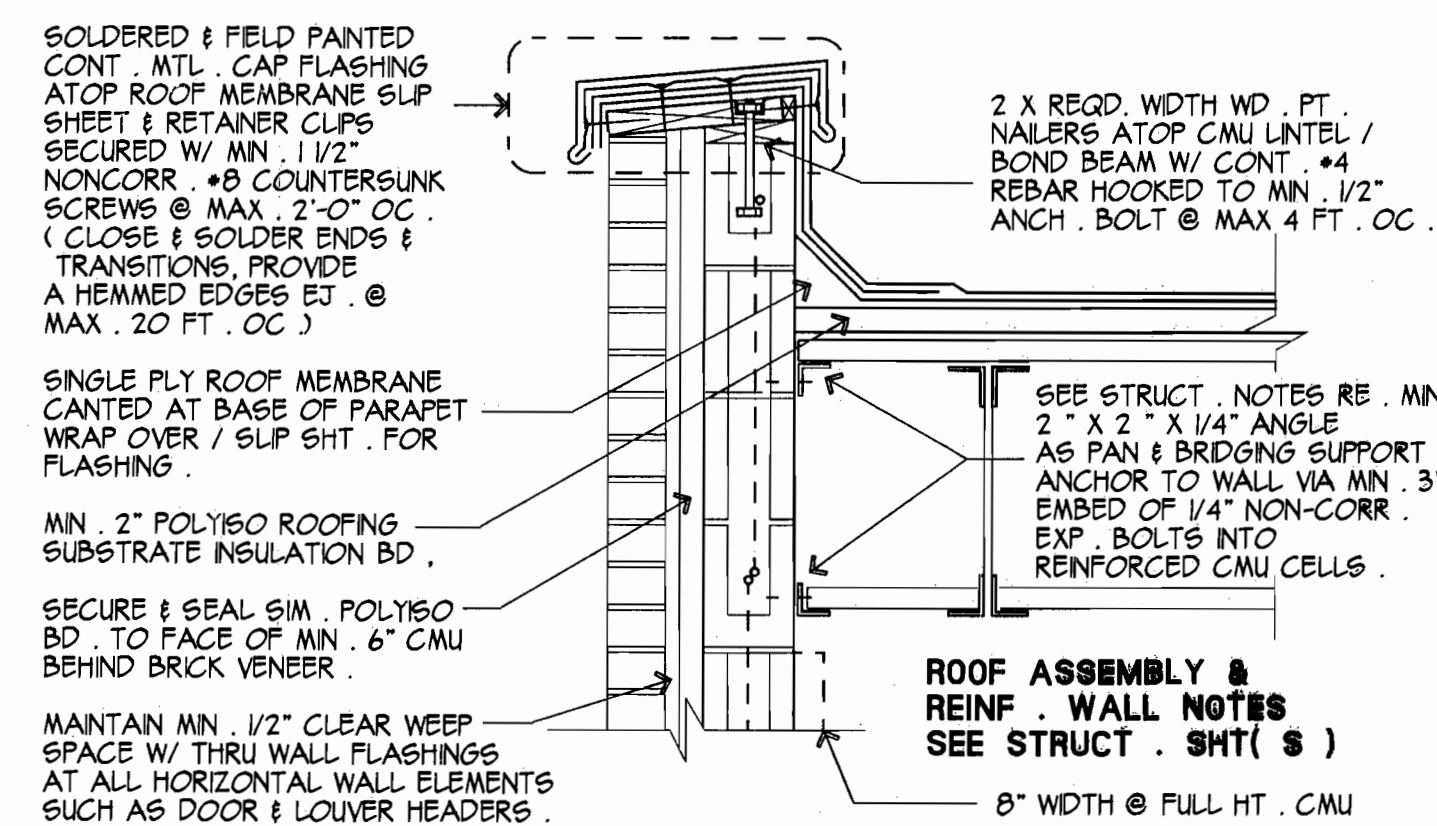
CONCRETE TERRACE SEE CIVIL - SURROUND W/ 3" X 3" X 1/4" STL. POSTS W/ CLIPS TO RECEIVE UNFINISHED ROUGH SAWN CEDAR WOOD PANELS



4 WESTERN MALLFRONT ELEVATION

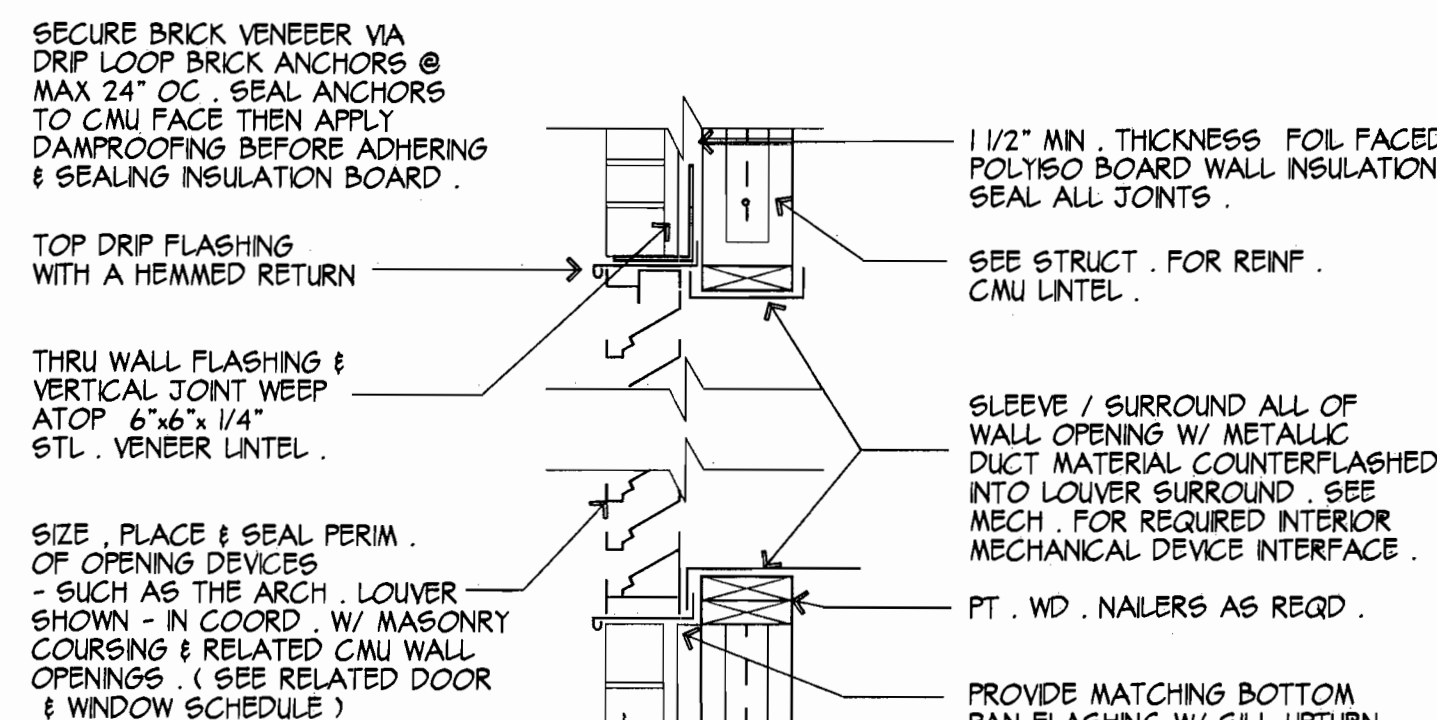
A3J SCALE: 1/8" = 1' - 0"

6X6X40 SQUARE CAST IRON DOWNSPOUT BOOTS W/ CLEANOUT - COMP BARRYCRAFT B25D - TYP.



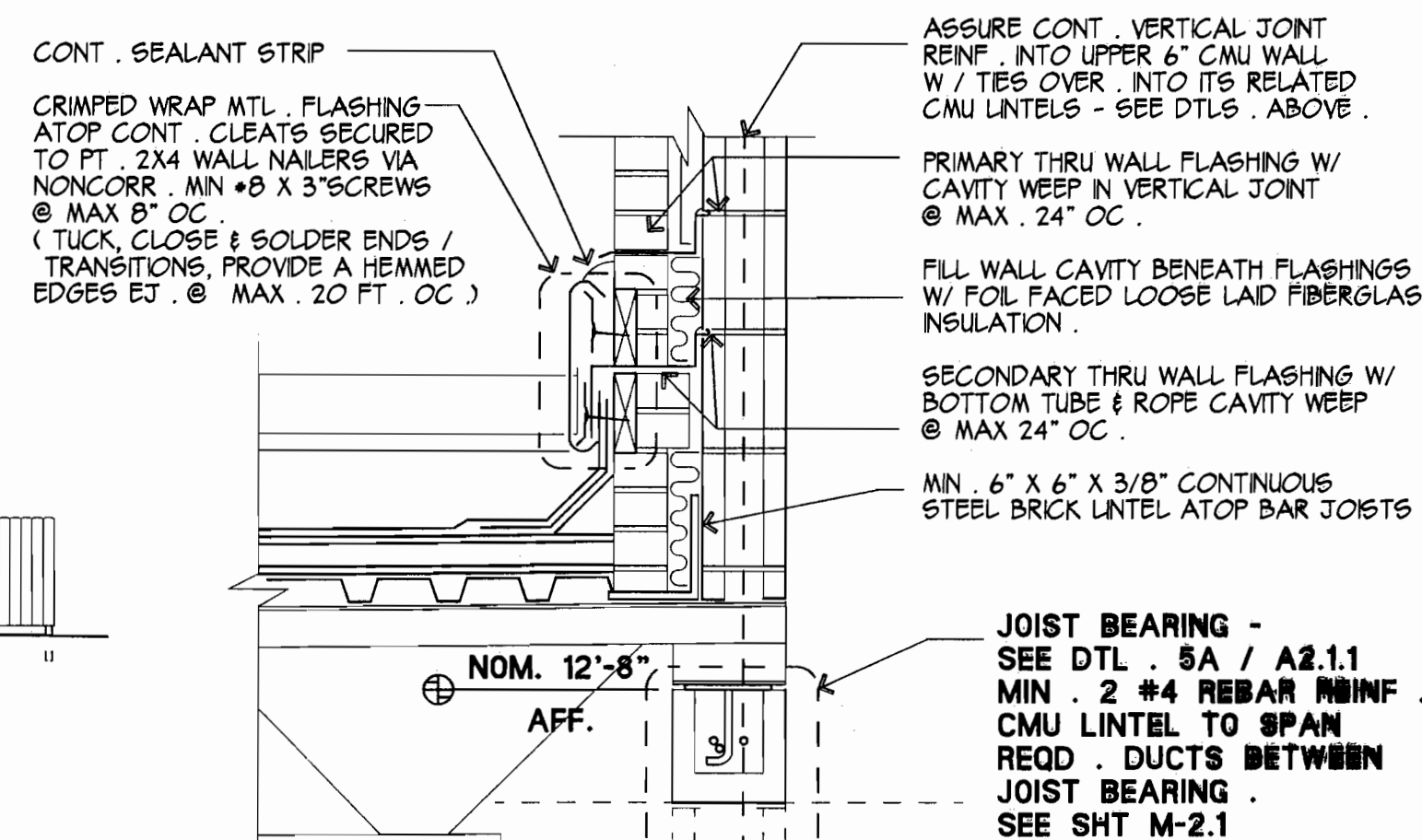
5 NON-JST. BRG. WALL PARAPET

A3J SCALE: 1" = 1' - 0"



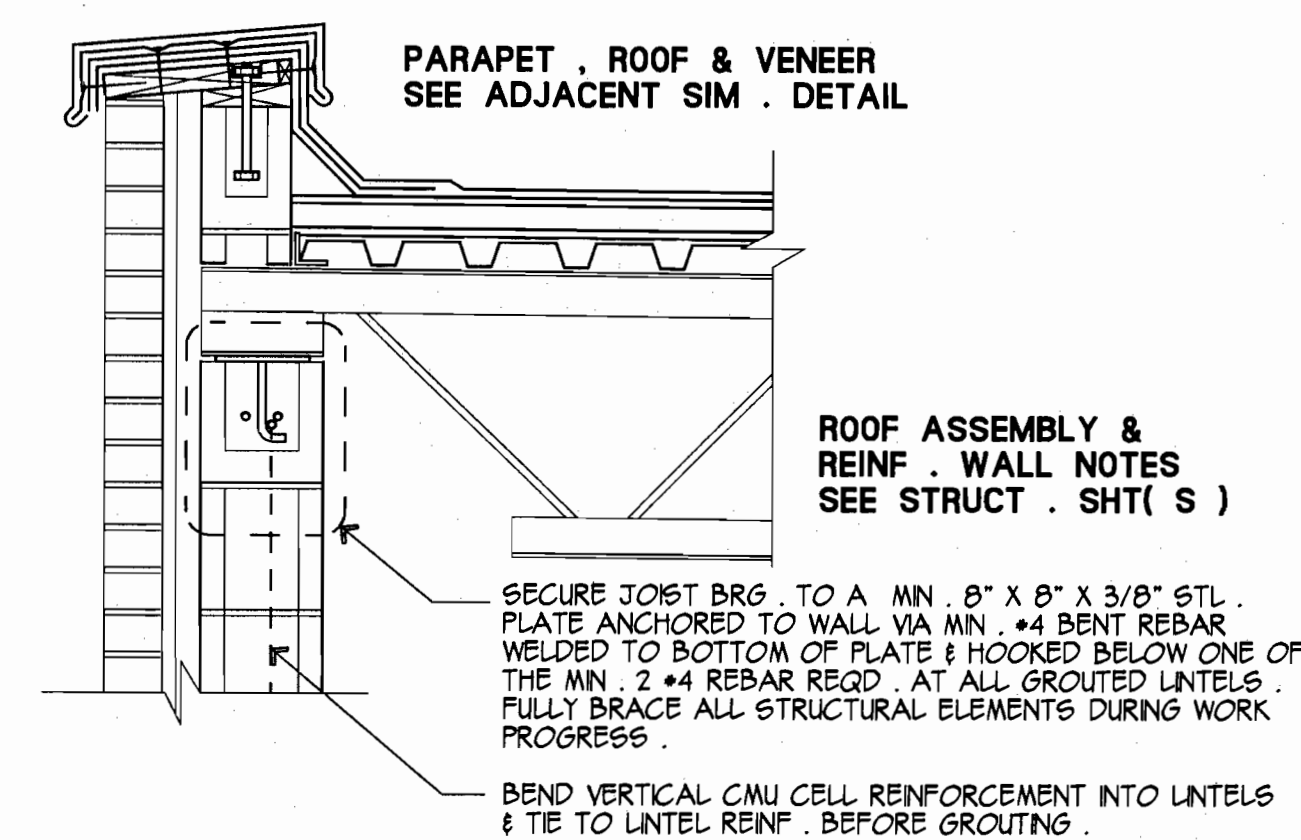
6 BRICK VENEER OPENING

A3J SCALE: 1" = 1' - 0"



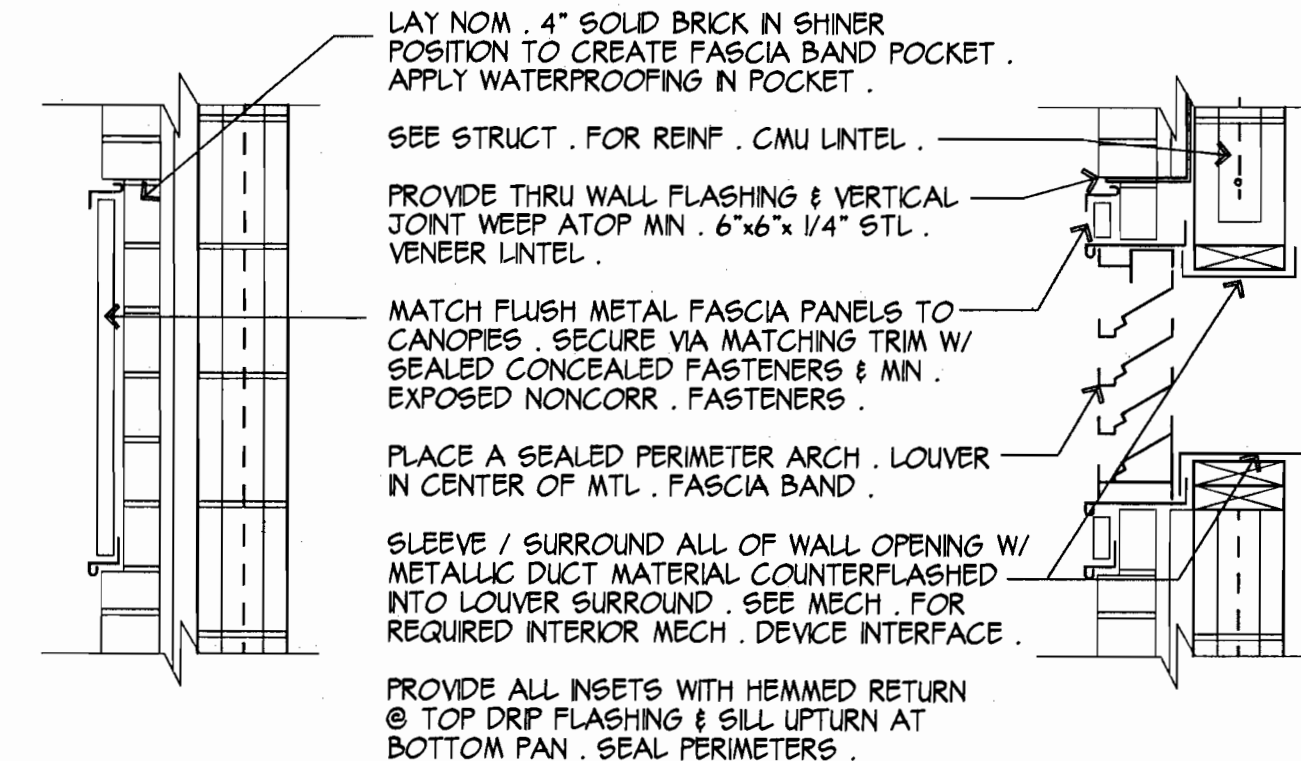
7 MEZZ. FLR. & WALL SECTS.

A3J SCALE: 1" = 1' - 0"



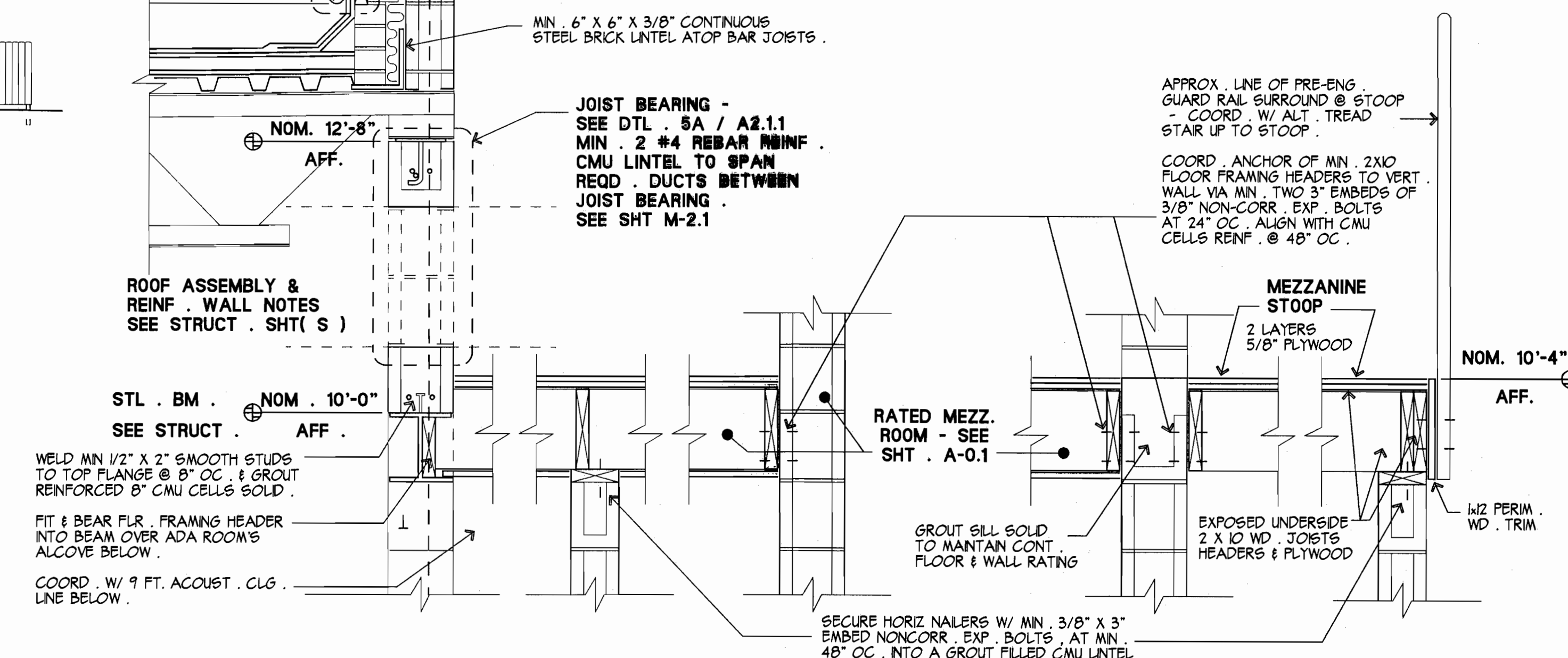
5A JOIST BRG. WALL PARAPET

A3J SCALE: 1" = 1' - 0"



6A METAL BAND & LOUVER DTL.

A3J SCALE: 1" = 1' - 0"



7A MEZZANINE STOOP

A3J SCALE: 1" = 1' - 0"

designer's seal

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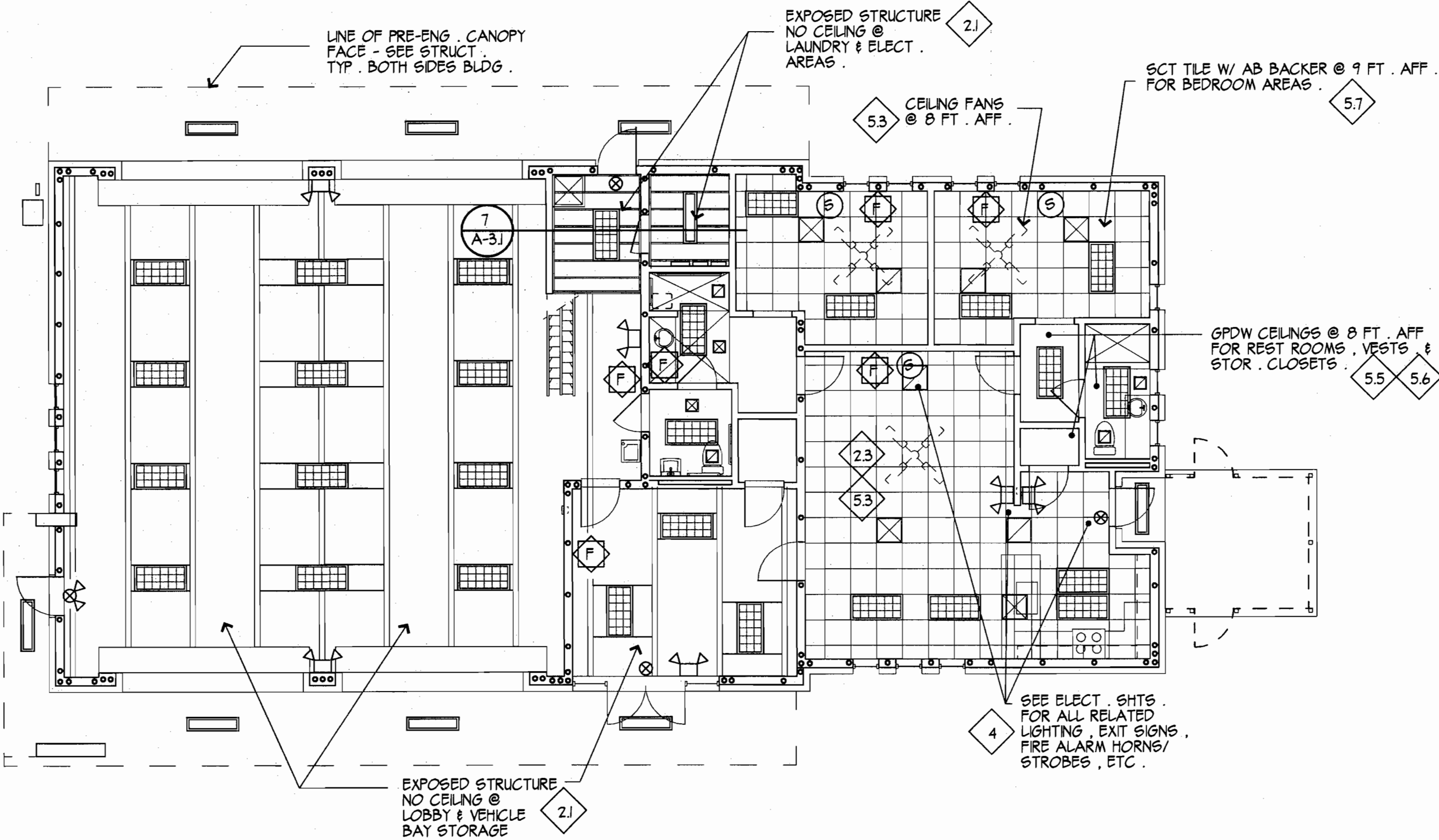
PROTOTYPE EMS STATION

| SHEET ISSUE DATES | | | |
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sheet name

EXT. ELEV. & RELATED SECTS.

A-3.1



1 MAIN FLOOR LEVEL
A-6J SCALE: 1/8" = 1' - 0"

SEE ARCH SHTS FOR ROOM NAMES & NUMBERS

2 MEZZANINE
A-6I SCALE: 1/8" = 1' - 0"

ABBREVIATIONS

- ES = PAINTED EXPOSED STRUCTURE
- G = MIN. 2X10 WD. JOIST W/ 5/8" CEILING FACE AND 2 LAYERS 5/8" FR. PLYWOOD FLOOR WHEN USED AS INTERSTITIAL SPACE PLATFORM
- G1 = MIN. 8" WTL. JOIST W/ 5/8" CEILING FACE AND 2 LAYERS 5/8" FR. PLYWOOD FLOOR WHEN USED AS INTERSTITIAL SPACE PLATFORM
- GPDW = 5/8" GPDW CEILING SCREWED TO UNDERSIDE OF A SMALL WALL TO WALL ANCHORED CEILING JOIST. 2 X 4 FOR SPANS UP TO 6 FT. 2 X 6 FOR SPANS UP TO 10 FT.
- SCV = 5/8" THICK NSF COMPLIANT VINYL FACED SUSPENDED CEILING TILE COMP. TO USG 3270**
- SCT = 3/4" THICK ACOUSTICAL FACED SUSPENDED CEILING TILE COMP. TO ARMSTRONG ULTIMA III BEVELED/REGULAR EDGE.**
- ** ALL CEILING TILE TO BE PLACED IN A NONCORROSIVE NON-1" FACE CBGA CONFORMANT SUSPENDED CEILING GRD SUSPENDED AND BRACED AS PER LOADS APPLIED. COORD WITH SUSP. CLG. PLAN.
- AB = MIN. 15" ACOUSTICAL BATT INSULATION PLACED A CEILING DESIGNED TO SUPPORT SAME.

GENERAL NOTES (REFL. CLG. PLAN)

- SEE OUTLINE SPECS FOR BASIC INSTALLATION CONCERNS.
- SEE KEYED NOTES FOR MORE SPECIFIC INSTALL REQUIREMENTS.
- ABBREVIATIONS AND NOTE LISTINGS ARE PROTOTYPICAL IN NATURE AND MAY CONTAIN SOME REFERENCES NOT BEING USED FOR THIS PROJECT.
- THIS SHEET IS TO SERVE AS BASIS FOR WORK SHOWN ON OTHER TRADE SHEETS. ASSURE THAT OTHER TRADES ARE AWARE OF ARCHITECTURAL SHEET REQUIREMENTS. SEE APPLICABLE DEMO SHIT(S), GENERAL CONST. PLAN(S), FINISHES SHIT(S), EQUIPMENT SHIT(S), PME SHIT(S), SYSTEMS SHIT(S) ETC. FOR RELATED PREPARATORY & TRADEWORK.
- MISCELLANEOUS NOTES: (WHERE APPLICABLE)
 - AT SUSPENDED CEILINGS, CAREFULLY COORDINATE ATTACHMENT(S) SO AS TO OBTAIN SUPPORT BACK TO MAIN STRUCTURAL ELEMENTS. RE-ARRANGE AND/OR PROVIDE SUPPLEMENTAL HANGER SUPPORT FOR ANY APPURTENANCE THAT IS TO BECOME A PART OF THE CEILING PLANE WHERE IT DOES NOT INCLUDE PROVISIONS FOR RESTING UNIFORMLY AND BEING SECURELY SUPPORTED BY THE CEILING SYSTEM(S).
 - SEE OWNER SUPPLIER'S DRAWINGS FOR COORD. WITH ANY SYSTEMS SUCH AS PHONE, DATA, SECURITY, AUDIO-VISUAL, FIRE/ SMOKE DETECTION/ NOTIFICATION/ SUPPRESSION, ETC.
 - IMMEDIATELY PRIOR TO INSTALL, REVIEW ALL FINAL FINISHES & FIXTURES FOR OWNER APPROVAL.
 - REPLACE ANY BENT OR DAMAGED PRODUCT. TOUCH UP ANY MARRED SURFACE. REPLACE SAME WHERE TOUCH UP ATTEMPT IS NOTICEABLE.
- DEMOLITION NOTES: (WHERE APPLICABLE)
 - COORDINATE MINOR DEMO SO AS TO PROVIDE FOR REPAIR & REFINISHING OF AREA TO MATCH PRE-EXISTING CONDITION UNLESS A CHANGE IN FINISH IS REQUIRED.
 - WHERE EXTENSIVE DEMO IS REQUIRED, SEE SEPARATE DEMO SHEET.
- SPACE BUILDOUT NOTES: (WHERE APPLICABLE)
 - FOR ANY EXISTING CEILING, SEE PREVIOUS PERMIT DOCS FOR COMPLIANCE ISSUES SUCH AS THERMAL AND/ OR ACOUSTICAL OVERLAY, WASHABLE FACE OF FOOD SERVICE TILES, ETC.
 - UNO. BUILDING SHELL SURROUNDING A BUILDOUT SPACE WAS PLACED UNDER PREVIOUS CONSTRUCTION. VERIFY PRESENCE, OR PROVIDE WHERE MISSING, THE LABELING OF ALL RATED SPACE ENCLOSURE ELEMENTS.
 - OBTAIN OWNER APPROVAL OF ANY PROPOSED RE-USE OF EXISTING PRODUCT(S) AND/ OR FINISHES. WHERE MATERIAL RE-USE IS PERMITTED, SALVAGE/ PROTECT AND RE-USE NON-DAMAGED MATERIALS SO AS TO AVOID POSSIBLE MISMATCH OF FINAL PRODUCTS DUE TO TILE DISCOLORATION, MFR'S, AND/ OR LOT INCONSISTENCIES. RELOCATE PRODUCTS AS REQUIRED FOR UNIFORMITY OF FINISHES, ETC. IN EACH AREA. PROVIDE NEW UNIFORM SIMILAR MATERIALS IN ANY AREA WHERE SUCH MATCH IS NOT ACHIEVABLE.
 - WHERE A CENTRAL FIRE ALARM, FIRE SUPPRESSION AND/ OR SPRINKLER SYSTEM EXISTS, COORD. W/ FACILITY MGMT. FOR PARTIAL INTERRUPTION OF SERVICE AND RELOCATION OF DEVICES AS REQUIRED FOR NEW CEILING LAYOUT. E CENTER SMOKE DETECTORS AND SPRINKLER HEADS IN CEILING TILES NOT OCCUPIED BY DEVICES SHOWN ON THE NEW LAYOUT.
- FOOD SERVICE NOTES: (NOT USED THIS PROJECT)
- PROVIDE OWNER WITH AS BUILT DOCUMENTS MARKED UP TO REFLECT ALL FINAL INSTALLATION COORDINATION(S).

KEYED NOTES (REFL. CLG. PLAN)

- THE FOLLOWING KEYED NOTES AND SUBNOTES, WHEN PLACED IN PLAN AND RELATED DRAWINGS, ARE USED TO TRY AND KEEP GRAPHICS LESS CLUTTERED WHILE STILL REFERRING ONE TO MORE DETAILED PROJECT REQUIREMENTS.
- WORK BY OTHERS: WHEN THIS KEYED NOTE IS LOCATED ALONGSIDE ANOTHER, IT DENOTES THAT WORK BEING DESCRIBED IS EITHER ALREADY IN PLACE (EXISTING) OR IF NEW, IS BEING PERMITTED AND INSTALLED SEPARATE FROM THE OWNER BUILDOUT BEING DESCRIBED HEREIN. SEE OUTLINE SPECS FOR EXISTING WORK COORDINATION NOTES.
 - NEW CEILINGS: SEE ABBREVIATIONS FOR CEILING TYPES - AND WHERE NEEDED, THE FOLLOWING SUBNOTES.
 - NO CEILINGS: CLEAN & PAINT EXPOSED STRUCTURE AND SELECT TRADE ELEMENTS (SUCH AS DUCTS)
 - GRD ONLY: PLACE A PAINTED SUSPENDED CEILING SYSTEM GRD WITHOUT ANY CEILING TILES.
 - INDICATE HT(S)
 - COORD. CLG. PLANE @ NOM. 8 FT. AFF.
 - COORD. CLG. PLANE @ NOM. 9 FT. AFF.
 - COORD. CLG. PLANE @ NOM. 10 FT. AFF.
 - COORD. CLG. PLANE @ NOM. 11 FT. AFF.
 - COORD. CLG. PLANE @ NOM. 12 FT. AFF.
 - NEW HEADERS & ALCOVES: VIA THE FOLLOWING SUBNOTES WHERE NEEDED.
 - HEADWALL: PROVIDE A CROSS BRACED, 5/8" GPDW FACED HEADWALL TO MATCH ADJACENT STUDS. LOCATE BOTTOM AT NOM. 1" BELOW LOWEST ADJACENT CEILING HT. COORDINATE ANY BUILT IN APPURTENANCE WITH RELATED TRADE, E. RECESSED LIGHTS.
 - LIGHT ALCOVE: CONSTRUCT ALCOVE FOR RECESSED STRIP LIGHTING. SEE RELATED ELECTRICAL LIGHTING SHIT. (S) AND APPLICABLE DETAILS.
 - FIRE/ SMOKE DETECTION/ NOTIFICATION/ SUPPRESSION, ETC.: COORDINATE LAYOUT SUGGESTION(S) SHOWN WITH CEILING TRADES WORK IN ACCORD WITH STATE LICENSED DESIGNER(S) OF SUCH SYSTEMS - AND PER THE FOLLOWING ADDITIONAL SUBNOTES, WHEN NEEDED.
 - SPECIALTY SPRINKLER HEADS: HAVE PROJECT'S CERTIFIED SPRINKLER DESIGNER TO CAREFULLY REVIEW AREA AND ASSURE THAT SYSTEM HAS BEEN ADJUSTED TO ITEMS SUCH AS ANY REQD. UPRIGHT INTERSTITIAL SPACE HEADS, ARMORER HEAD DROP(S) REQUIRED TO POSITION HEADS IN CENTER OF AREA/ TILE FACE AND/ OR CREATE A WALL THROW HEAD IN A SMALL SERVICE AREA WHERE A CENTER OF TILE PLACEMENT IS NOT POSSIBLE.
 - MISC. COORDINATION NOTES: THE FOLLOWING SUBNOTES APPLY WHEN NEEDED.
 - PENDULUM LIGHTS: SPACE UNIFORMLY IN CLG. GRD.
 - TRACK/ SPOT LIGHTS: POSITION TO ACCENT ARTWORK AND/ OR DIPLOMAS. SEE RELATED ELECTRICAL LIGHTING SHIT. (S). COORDINATE FINAL LIGHT LOCATION WITH OWNER.
 - CEILING SPECIALTIES: COORDINATE PLACEMENT(S) SUCH AS CEILING FANS, OVERHEAD TV(S), ETC. SEE SUPPLIER HANGER CRITERIA.
 - GLASS TRANSCOM TINTING: INSTALL TINTING AT ANY STOREFRONT TRANSCOM THAT EXTENDS ABOVE PREFERRED CEILING HT.
 - PERIM. SEAL: CLOSE GAP OF CEILING TO WALL WITH CONT. HEAVY BEAD PAINTABLE SEALANT.
 - ENAMEL PAINT: PAINT SHOWER CEILINGS WITH MOISTURE RESISTANT ENAMEL PAINT.
 - SWITCHED LAMPS: LIGHTING THIS AREA TO ALSO INCLUDE SWITCHED OUTLET TABLE LAMPS - SEE ELECT.
 - RENOVATION NOTES: (WHEN APPLICABLE)
 - RE-USE EXISTING SUSPENDED ACOUSTICAL CEILING WHICH WAS REPORTEDLY PLACED AT A NOM. 1'UST 1 FT. AFF. EXCEPT FOR THE NOM. 1'UST 1 FT. AFF. INSTALL AT 1'UST 1 FT.
 - CLEAN EXPOSED STRUCTURE OF UNUSED APPURTENANCE & INTEGRATE NEW WORK WITHIN & UNDERNEATH EXPOSED BEAMS & BAR JOINTS.
 - REPLACE EXISTG. FLEX DUCT WITH NEW RIGID CRG. DUCT AT REMOVED CLG. AREA TYP.
 - VERIFY SUFFICIENT ELECT. WHP & ADJUST EXISTG. LIGHT TO NEW ROOM LAYOUT.

designer's seal

STATE OF GEORGIA

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project

PROTOTYPE EMS STATION

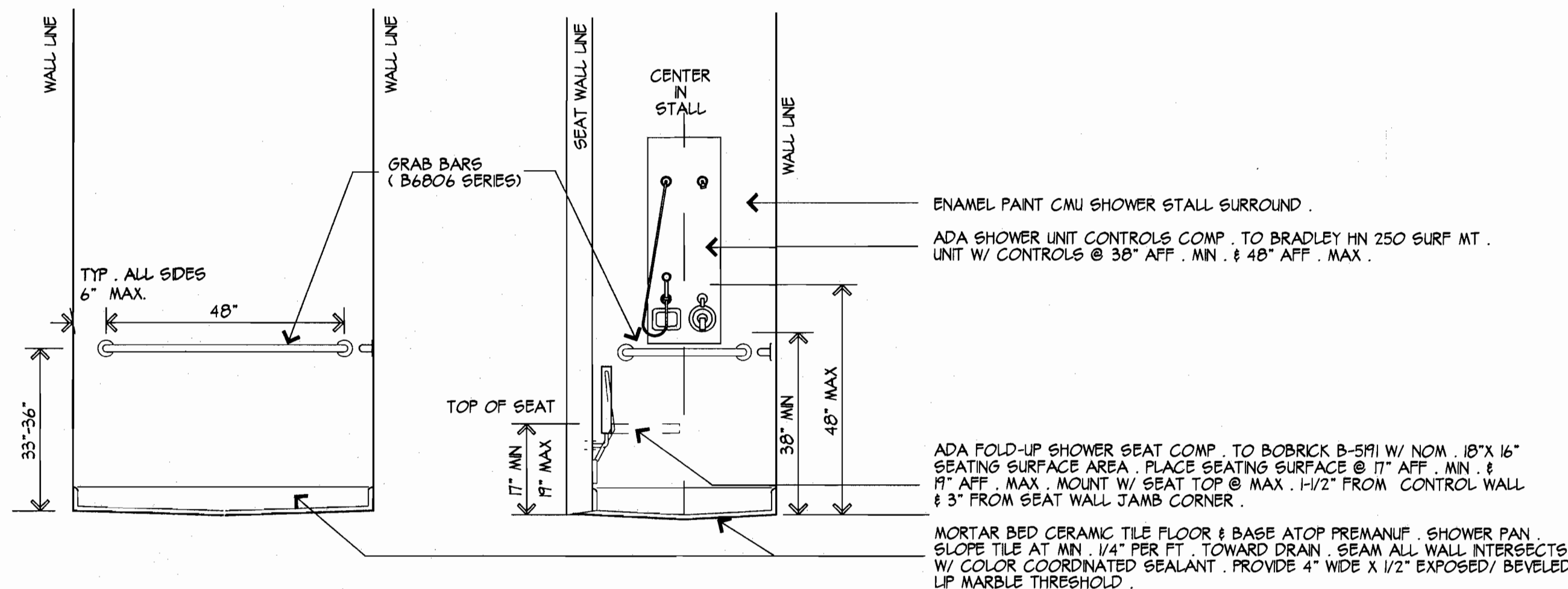
| SHEET ISSUE DATES | | | |
|-------------------|------------------------|--------|--------------------------------|
| 6/20/14 | 90% CD PROGRESS REVIEW | 7/7/14 | UPDATED 90% CD PROGRESS REVIEW |
| 9/22/14 | PERMIT REVIEW PRINTS | | |

sheet name & number

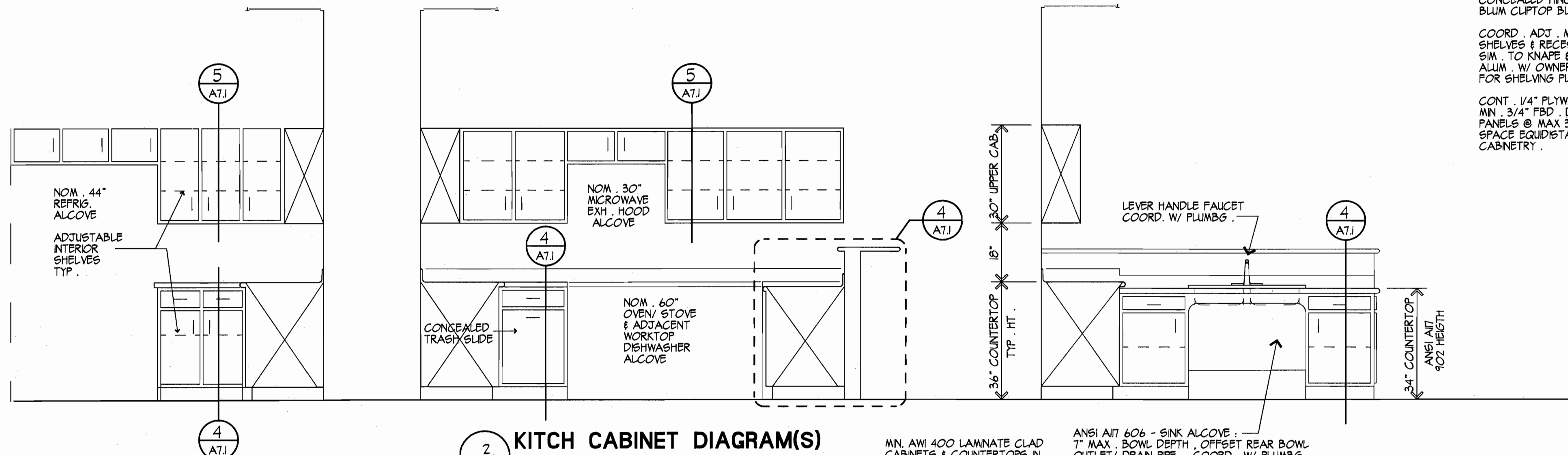
REFLECTED CLG. PLAN

A-6.1

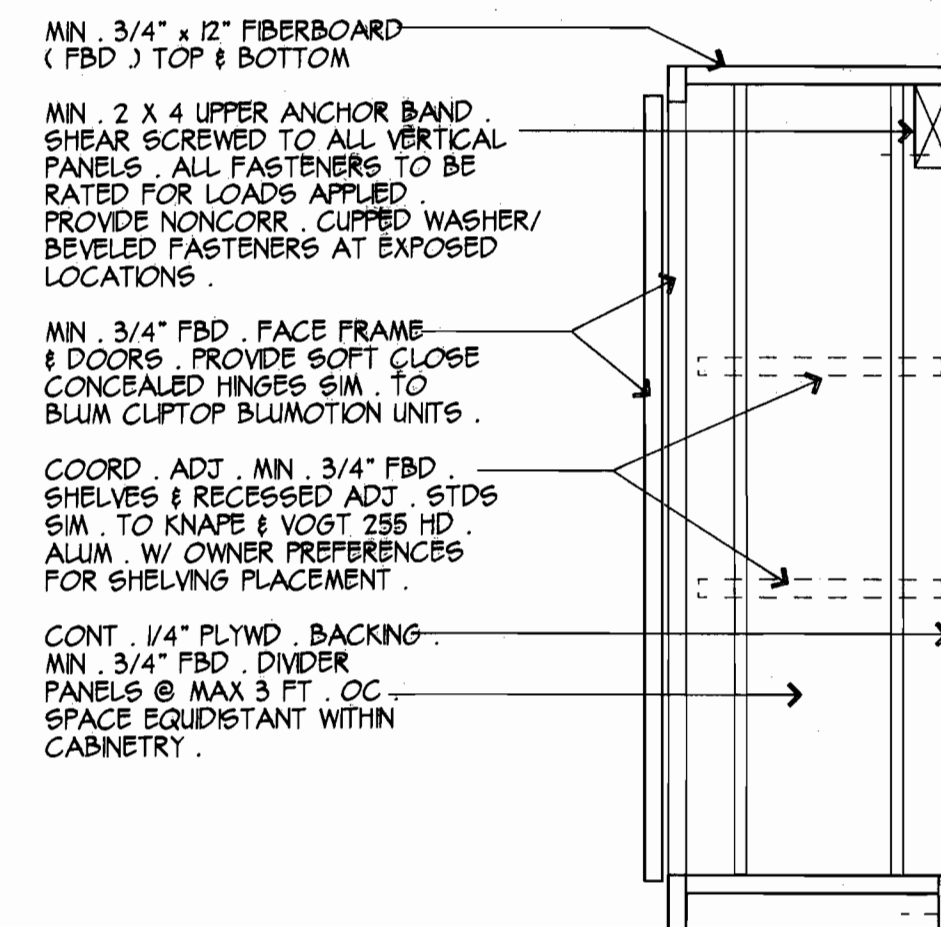
ANSI A117 608
SHOWERS
(ALTERNATE ROLL-IN)



3 ADA SHOWER DIAGRAM(S)
ATJ NOT TO SCALE



2 KITCH CABINET DIAGRAM(S)
ATJ NOT TO SCALE



5 UPPER CABINET SECTION
ATJ SCALE: 1 1/2" = 1' - 0"

PLASTIC LAMINATE
CASEWORK/CABINET(S)

PLACE HIGH PRESSURE DECORATIVE PLASTIC LAMINATE (HPDL) ON ALL INTERIOR & EXTERIOR CASEWORK/ CABINET SURFACES.

UNO, ALL PLASTIC LAMINATE TO BE AS FOLLOWS :

EXPOSED AND ACCENT PL. : .050" GENERAL PURPOSE GRADE IN MFR. PRODUCT & COLOR SELECTED BY INTERIOR DESIGN. - AS LISTED BELOW F. SELECTED PRIOR TO ARCHITECT'S DOCUMENT ISSUANCE.

1. MFR : ???
PRODUCT : ???
COLOR : ???

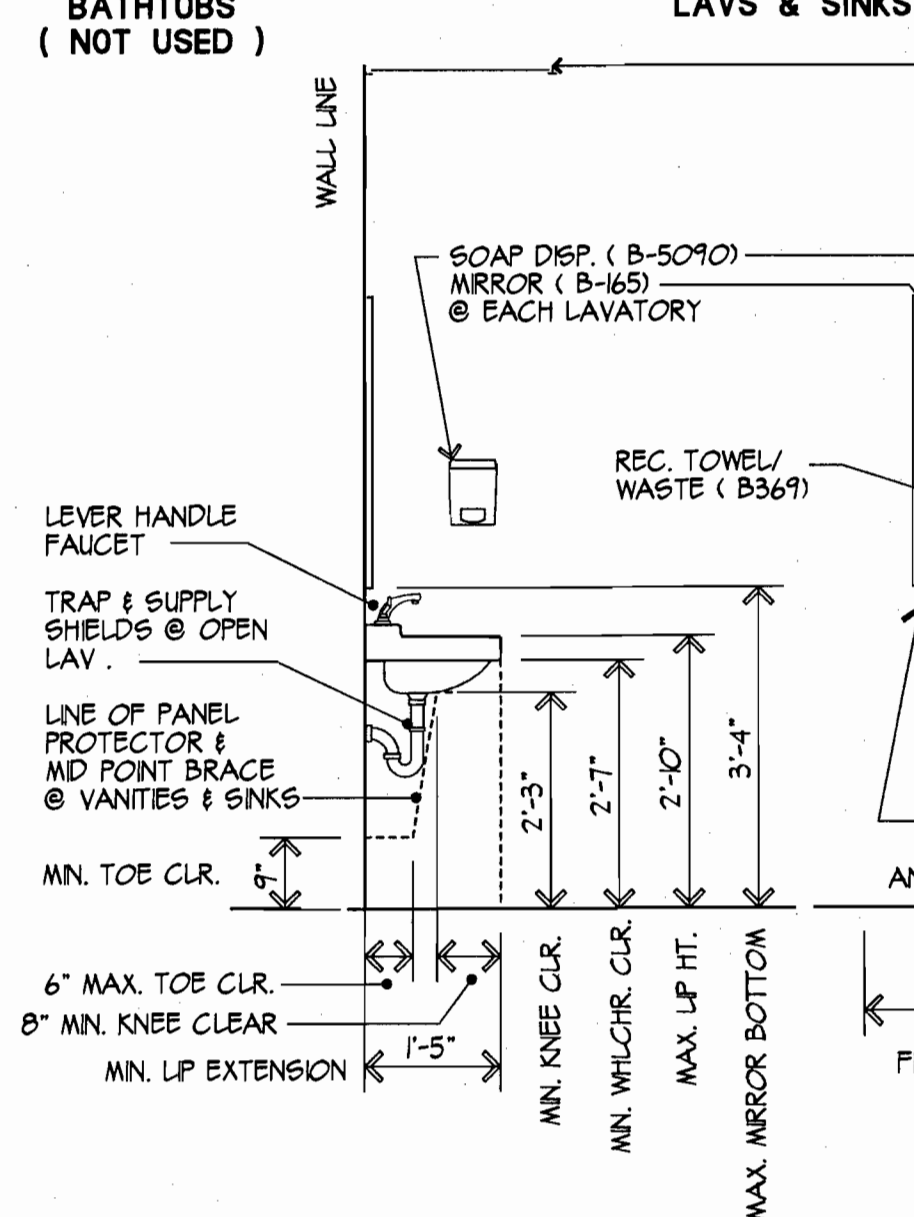
CONCEALED PL. : .020" BACKER GRADE IN MFR. PRODUCT, & COLOR SELECTED BY INTERIOR DESIGN. - AS LISTED BELOW F. SELECTED PRIOR TO ARCHITECT'S DOCUMENT ISSUANCE.

1. MFR : ???
PRODUCT : ???
COLOR : ???

UNO, ALL COUNTERTOPS AND SINKS TO BE COMPOSITE PRODUCT COMP. TO DUPONT CORIAN MIN. 1/2" THICKNESS. IN COLOR SELECTED BY INTERIOR DESIGN FROM CORIAN'S CATEGORY B PRICE LINE.

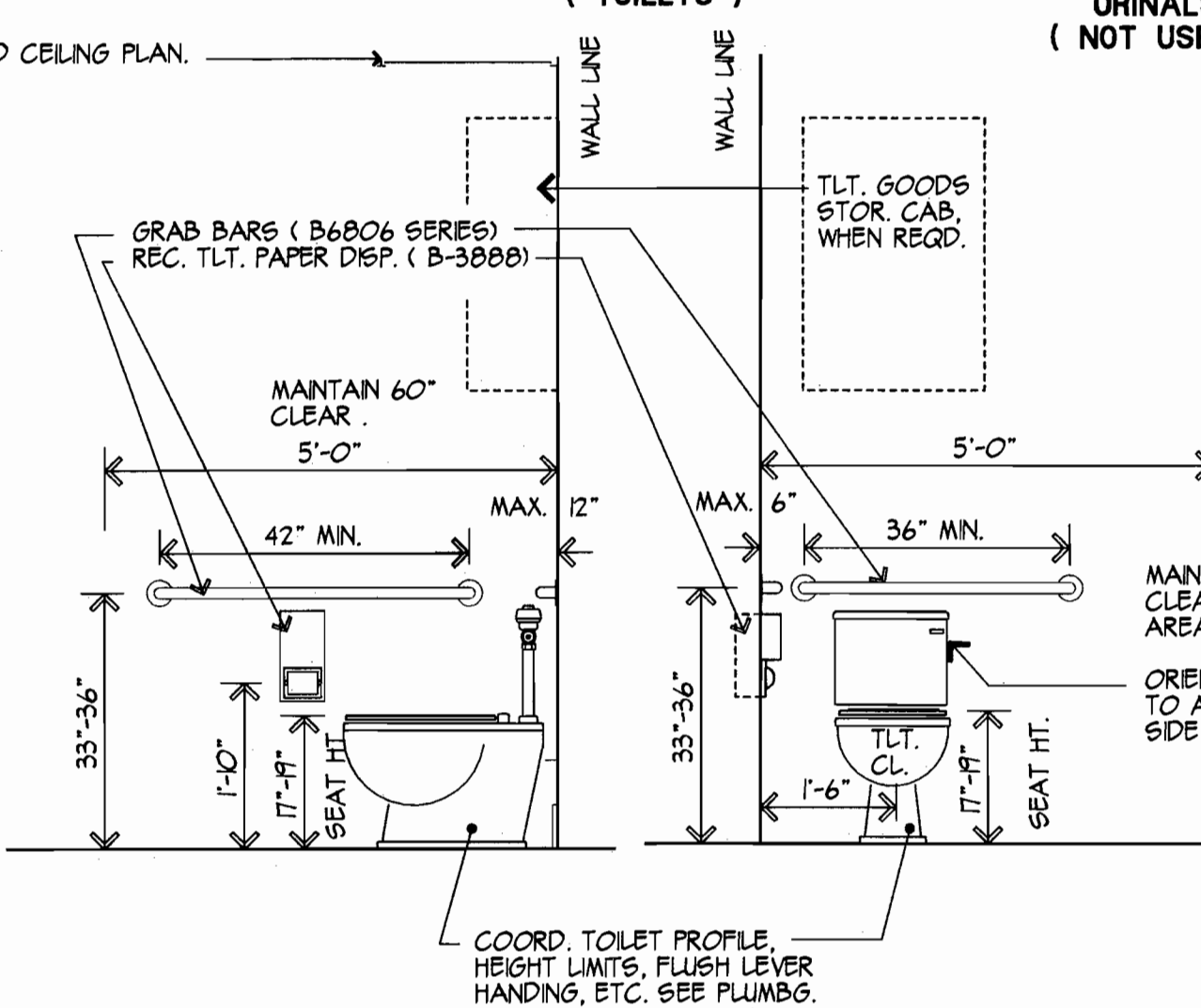
PREPARE SHOP DRAWINGS REFLECTING ACTUAL FIELD MEASUREMENTS. COORDINATION WITH FINAL EQUIPMENT INTERFACE, ETC., & OBTAIN OWNER REF'S APPROVAL OF SAME PRIOR TO FABRICATION.

ANSI A117 607
BATHTUBS
(NOT USED)

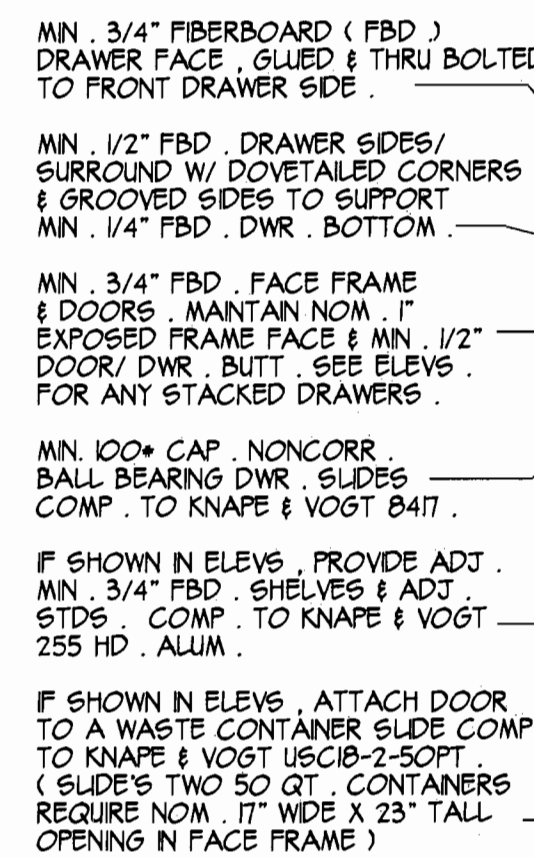


ANSI A117 608
LAVS & SINKS

ANSI A117 604
WATER CLOSETS
(TOILETS)



ANSI A117 605
URINALS
(NOT USED)



4 BASE CABINET SECTION
ATJ SCALE: 1 1/2" = 1' - 0"

AT ANY CURVED MODULAR UNITS, REDUCE CABINET DEPTH TO ALLOW FOR DRAWER FACE TO REMAIN A MIN. 3/4" FROM COUNTERTOP EDGE ON WORK SIDE OF CABINETS & PLACE MODULAR UNITS IN COORD. WITH TRADE FEEDS ROUTED IN KNEEWALL.

designer's seal

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project

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| | | | PERMIT REVIEW PRINTS |

sheet name & number:

INTERIOR ELEVATIONS

A-7.1

GEN. & KEYED CONST. NOTES - SEE SHEET A-2.1:

GENERAL NOTES (WALL OPENINGS):

- ABBREVIATIONS NOTED ARE PROTYPCAL IN NATURE AND MAY NOT ALL BE USED FOR THIS PROJECT .
- "X" PREFIX AND LIGHTER TEXT ATTEMPTS TO DENOTE THAT EXISTING PRODUCT EITHER SHOULD BE IN PLACE OR IS SCHEDULED TO BE IN PLACE BY OTHERS AT TIME OF THIS WORK . IF NOT IN PLACE AND/ OR CRITICAL TO WORK COMPLETION PATH, PROVIDE ALTERNATE PRICE FOR PROVIDING SAME .
- CAREFULLY REVIEW ALL DOOR NOTATIONS AND ANY PROPOSED SUBSTITUTIONS WITH OWNER PRIOR TO BEGINNING WORK .
- COORDINATE ALL PRODUCTS AND SUBMIT AS BUILT INFO AS PER OUTLINE SPECS .
- COORDINATE UNIFORM/ COMPLIMENTARY LEVER HANDLE SELECTION W/ OWNER .
- COORDINATE UNIFORM/ COMPLIMENTARY FINISH SELECTION W/ OWNER .
- COORDINATE ANY OWNER'S MASTER KEYING REQUIREMENTS .
- SUPPLY LOCKSETS WITH LATCHBOLT OPTION .
- SUPPLY MIN. 3 DOOR SLENCERS PER DOOR LEAF . (2 @ DBL DOORS W/NO CENTER MULL)
- SIZE HM. DR. FRAMES FOR TUCK OF WALL MATLS. BEHIND FRAME RETURN . COORD. HEAD HT. & WRAP AROUND THROAT OF HM. FRAME WITH WALL CONST. . ESP AT ANY MASONRY COURSING AND/ OR CONCRETE OPENING AND/ OR EXTERIOR VENEER AIRSPACE .
- CONFIRM ALL SOLID CORE MATLS @ INT. WD. DRG. & WHETHER OR NOT OWNER REQUIRES HPDL TO MATCH/COMPLIMENT SERVICE COUNTER CASEWORK .
- WHERE HPDL DOOR FINISH IS NOT UNFORMLY REQD. BY OWNER, PAINT ALL SIDES/EDGES OF ANY NONCLAD WD. SURF. IN COLOR TO MATCH/COMPLIMENT NEARBY PL. LAM. PRIOR TO INSTALLATION OF HDWE .
- CONFIRM THAT ALL HM. FRAMES RECEIVE PAINT AS PER INT. DES. SCHEME .
- CONFIRM THAT ALL GLASS RECEIVES ANY REQUIRED TINTING AND/ OR VINYL SIGNAGE APPLIQUES . IF APPLICABLE, UNO:
 - EITHER ASSURE THAT NON-KEYED EGRESS PATH LOCKS ARE PLACED OR COORDINATE AND ASSURE SIGNAGE INSTALLATION WITH WORDING THAT : " DOOR (S) ARE TO REMAIN UNLOCKED AT ANY TIME BUILDING IS OCCUPIED "
 - WHERE HEAVY WINDLOAD AND/ OR HURICANE LOADING IS POSSIBLE, PROVIDE REQUIRED IMPACT RESISTANT PRODUCTS .
 - SUPPLY DOUBLE HDWE. SETS (S) WHERE REQD. AT DOUBLE DOORS .
 - ANY WEATHERSTRIP SPEC'D. @ INTERIOR DOORS IS FOR SMOKE PARTITION OR SOUND PURPOSES .
 - SUPPLY TINTED INSULATED GLAZING @ EXTERIOR DOORS TO MATCH TYP. STOREFRONT .
 - PROVIDE NON REMOVABLE PIN (NRP) HINGES @ EXTERIOR DOORS .
 - PROVIDE GALVANIZED DOOR/ FRAME @ EXTERIOR HOLLOW METAL APPLICATIONS .
 - COORD. ANY DOOR DECOR/ PANELIZATION W/ OWNER'S INTERIOR DESIGNER(S), MTG. NFPA 80 & OTHER RELATED CODE PROVISIONS @ ANY RATED UNIT .

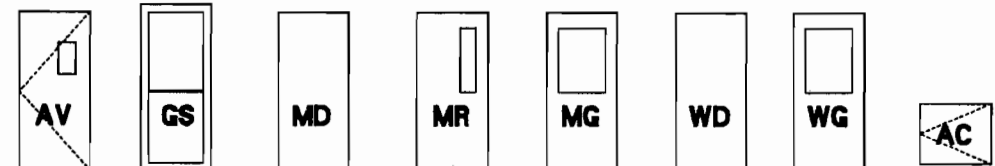
KEYED NOTES (WALL OPENINGS):

- SEE OWNER'S SIGNAGE FOR ACCESSIBLE SIGN FOR HANDICAPPED TOILET . . . IE MOUNT CENTERLINE OF A RAISED BRILLE AND PICTORAL CHARACTER APPLICABLE SEX TOILET SIGN 60" AFF WITH SIDE OF SIGN 2" FROM LATCH SIDE OF FRAME .
- COORDINATE ALL REINF. AND/ OR OTHER INTERFACE REQD. FOR OWNER'S PREFERENCE OF TOP JAMB PARALLEL OR OPERABLE PAD MECHANICAL CLOSER .
- INSTALL VIEWPORT COMP. TO NK ASSOC'S DS IS4 AT 60" AFF IN CENTER OF DOOR . AT ANY REAR SERVICE DOOR, COORD. REAR SIGNAGE DIRECTING ANY DELIVERIES TO SAME .
- DOOR E . 1 : SEE ELEVATIONS FOR PROFILE OF HM. FRAME NEEDED FOR MOUNTING OF LOUVER ABOVE DOOR . ALSO COORDINATE WITH OWNER RE . PROVIDING A LOCK TYPE L-7 .
- COORDINATE ANY REQUIRED LEAD SHIELDING WITH OWNER'S SPECIFIC EQUIPMENT CHARACTERISTICS .
- WHERE BI - SWING DOOR(S) ARE REQUIRED, PROVIDE PRE - MANUFACTURED BI-SWING DOOR PRODUCT(S) AS FOLLOWS:
 - THIS SUBNOTE, WHEN USED, DENOTES NEED TO PROVIDE A STD. DOOR SIZE UNIT COMP. TO ELIASON CORP. MOD. LWP-6 . COORDINATE PLASTIC LAMINATE FACING TO MATCH/ COMPLIMENT ANY ADJACENT COUNTER . REINFORCE HM. FRAME PER MFR. RECOMMENDATIONS .
 - THIS SUBNOTE, WHEN USED, DENOTES NEED TO PROVIDE A BELOW COUNTERTOP UNIT COMP. TO ELIASON CORP. MOD. F-1 . COORDINATE ANY REQD. PLASTIC LAMINATE FACING TO MATCH/ COMPLIMENT ANY ADJACENT COUNTER . COORD. FRAME PER MFR. REQMNTS & SECURELY MOUNT DOOR ON A PL. LAM. CLAD 2 X 4 . COORD. WALL NAILERS/ STUD PLACEMENT IN WALL FOR SAME .
- WHERE WALK - UP WINDOWS ARE REQUIRED, COORDINATE EXTERIOR WALL REINFORCEMENTS, NAILERS, ETC. AND PROVIDE PRE - MANUFACTURED SLIDING WINDOW PRODUCT(S) AS FOLLOWS:
 - THIS SUBNOTE, WHEN USED, DENOTES NEED TO PROVIDE A DOUBLE PANEL (SINGLE SLIDER) UNIT COMPARABLE TO READY ACCESS CORP. MOD. Z75 .
 - THIS SUBNOTE, WHEN USED, DENOTES NEED TO PROVIDE A TRIPLE PANEL (FIXED CENTER & DOUBLE SIDE SLIDER) UNIT COMPARABLE TO READY ACCESS CORP. MOD. 550 .
- FOR RENOVATION WORK : THE FOLLOWING SUBNOTES ARE LISTED FOR POSSIBLE INCLUSION .
 - FIELD VERIFY EXISTING UNIT CHARACTERISTICS .
 - WHERE PREFERRED BY OWNER, MATCH NEW HDWE. TO EXISTING PRODUCTS COMPARABLE TO THE PERFORMANCE CHARACTERISTICS OF PRODUCTS LISTED IN SCHEDULE .
 - IF ALLOWED BY OWNER, EXISTING PRODUCTS CAN BE RE-USED IF CLEANED, AND/ OR REFURBISHED/ REFINISHED TO " LIKE NEW " CONDITION .

WALL OPENING SCHEDULE

| OPENG. # | LOCATION | UNIT TYPE | UNIT SIZE | FRAME TYPE | RATING | LEAF HARDWARE | | | | KEYED OPENING'S NOTES |
|----------|-------------------------------------|-----------|-----------|------------|-----------|---------------|-------------|--------|---------|-----------------------|
| | | | | | | MOUNT | ACTION | CLOSER | W'STRIP | |
| AG. # | ALUMINUM STOREFRONT ENTRY DOOR(S) | GS | 36X84 | AS | | B-3 | PP | C-2 | WS | 2 |
| B. # | BEDROOM AREA DOOR(S) | WD | 36X80 | HM | | B-3 | L-5 | - | - | |
| E. # | EXTERIOR DOOR(S) | MG | 36X80 | HM | | B-3 | L-2 [L-7] | C-1 | WS | 2, 4 |
| O. # | OFFICE DOOR(S) | WG | 36X80 | HM | | B-3 | L-2 | - | - | |
| RO. # | RATED OFFICE DOOR(S) | HM | 36X80 | HM | 1 1/2 HR. | B-3 | L-2 | C-1 | WS | 2 |
| P. # | PASSAGE DOOR(S) | WD | 36X80 | HM | | B-3 | L-3 | - | - | |
| R. # | REST ROOM DOOR(S) | WD | 36X80 | HM | | B-3 | L-5 | - | - | |
| RR. # | RATED REST ROOM DOOR(S) | MD | 36X80 | HM | 1 1/2 HR. | B-3 | L-5 | C-1 | WS | 1 |
| S. # | STORAGE DOOR(S) | WD | 36X80 | HM | | B-3 | L-4 | C-1 | - | |
| RS. # | RATED STORAGE DOOR(S) | MD | 36X80 | HM | 1 1/2 HR. | B-3 | L-4 | C-1 | WS | |
| OH. | OVERHEAD DOOR(S) | OHD | 4' X 14' | OHD | | STD. | STD. | STD. | STD. | - |
| W. # | TYP. WINDOW(S) | FW | 24 X 84 | ALUM. | | - | - | - | - | - |
| AW. # | ALT. EXIT WINDOW(S) | EW | 24 X 72 | ALUM. | | STD. | STD. | - | STD. | - |
| CW. # | CLERESTORY WINDOW(S) | FW | 56 X 24 | ALUM. | | - | - | - | - | - |
| HW. # | HIGH SILL WINDOW(S) | FW | 24 X 48 | ALUM. | | - | - | - | - | - |

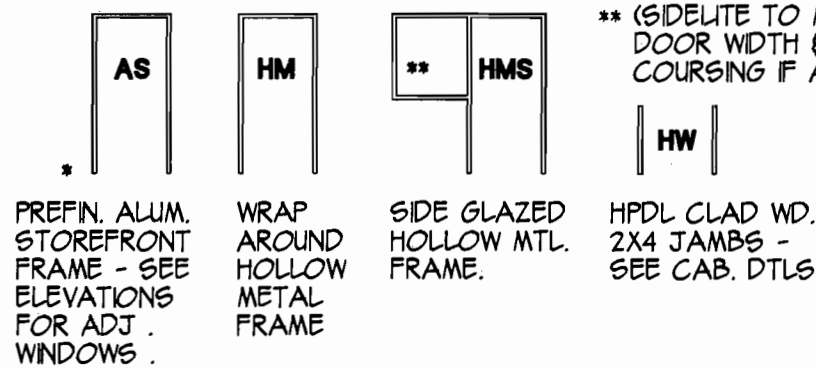
DOOR UNIT TYPES:



OHD = PREFIN. GALV. STEEL ROLLUP OVERHEAD DOORS - SEE BLDG. ELEVATIONS.

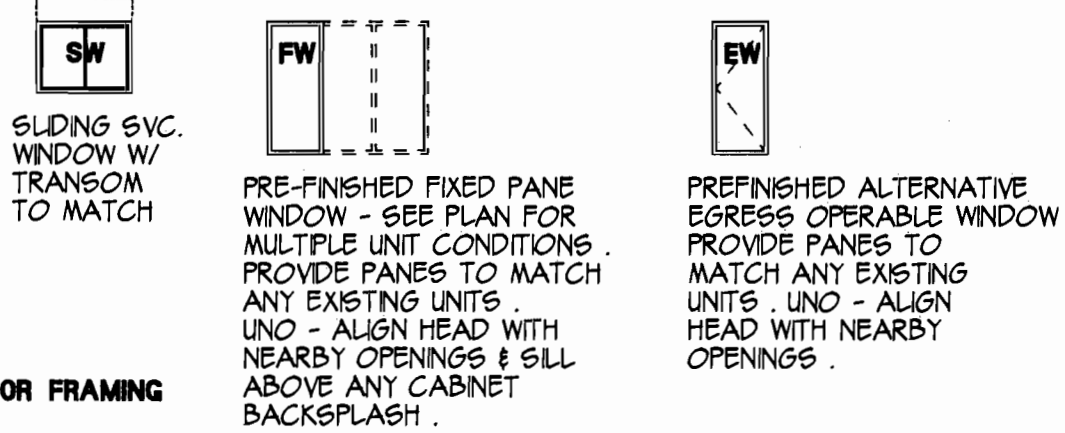
IN ANY EXISTING AREAS, WHERE SUPPLEMENTAL DOOR TRIM EXISTS, PROVIDE MATCHING TRIM.

FRAME TYPES:



OHD = GALV. STEEL ROLLUP OVERHEAD DOOR FRAMING - SEE BLDG. ELEVATIONS .

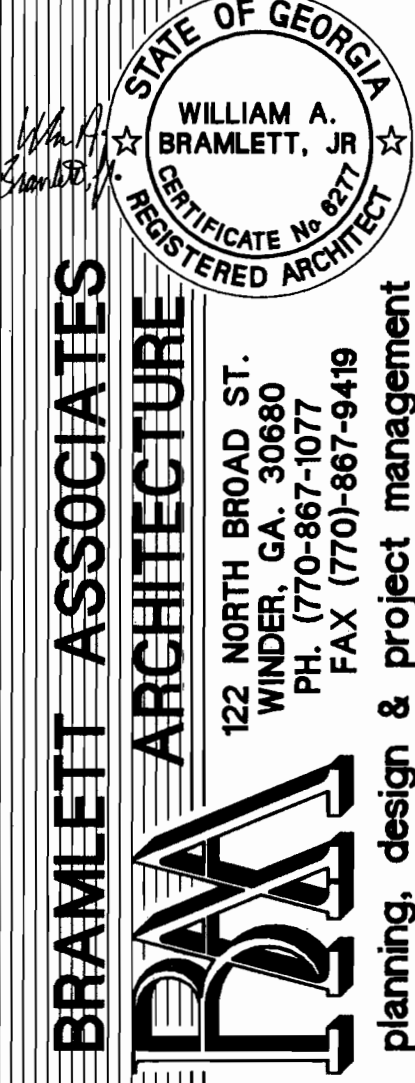
WINDOW UNIT TYPE(S):



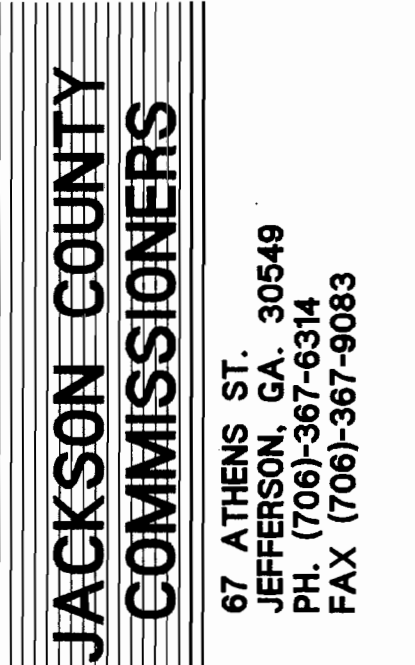
HARDWARE ABBREVIATIONS:

- X - THIS PREFIX DENOTES THAT EXISTING PRODUCT OF SIM. FUNCTION SHOULD BE IN PLACE. THE QUESTION MARK DENOTES NEED TO VERIFY AND PROVIDE IF COMP. FUNCTION IS MISSING .
- E - THIS PREFIX DENOTES REQUIREMENT TO COORD. W/ OWNER'S ELECTRONIC SECURITY SYSTEM .
- B-1 - SET OF THREE STD. 4 1/2 X 4 1/2 BUTT HINGES COMP. TO MCKINNEY T2714 .
- B-2 - SET OF THREE 4 1/2 X 4 1/2 SPRING HINGES COMP. TO MCKINNEY IS22 .
- B-3 - SET OF THREE BALL BRG. 4 1/2 X 4 1/2 BUTT HINGES COMP. TO MCKINNEY TB2714 . (NRP @ EXT. LOCATIONS)
- B-4 - BI - SWING DOOR MANUFACTURER'S SPRING HINGES .
- C-1 - CLOSER(S) COMP. TO YALE 5BF SERIES. (BARRIER FREE)
- C-2 - OPERABLE ADA CLOSER & WALL PAD COMP. TO ?? (GET OWNER PREFERENCE)
- L-1 - PUSHBUTTON KEYED OFFICE ENTRY LOCKSET COMP. TO SCHLAGE ALSOPD.
- L-2 - TURNBUTTON KEYED BLDG. ENTRY LOCKSET COMP. TO SCHLAGE AL53PD .
- L-3 - PASSAGE LOCKSET COMP. TO SCHLAGE ALDS .
- L-4 - STORAGE ENTRY LOCKSET COMP. TO SCHLAGE ALBOPD .
- L-5 - PUSHBUTTON PINNED KEY PRIVACY LOCKSET COMP. TO KABA SIMPLEX 1000
- L-6 - CLASSROOM LOCKSET COMP. TO SCHLAGE ALTOS .
- L-7 - PUSHBUTTON SECURITY LOCKSET COMP. TO ?? (GET OWNER PREFERENCE)
- L-8 - DEADBOLT W/ THUMBTURN COMP. TO SCHLAGE B800 SERIES . (DRILL RESISTANT)
- L-9 - SAME DEADBOLT AS ABOVE (L-7) W/ DOUBLEKEY OPERATION . "S" SUFFIX DENOTES NEED TO COORD. SIGN INDICATING THAT "DOOR(S) ARE TO REMAIN UNLOCKED DURING OCCUPANCY".
- L-10 - DECENTRY LOCK/ THUMBTURN DEADBOLT COMB. COMP TO SCHLAGE H60 .
- L-11 - PANIC DEVICE(S) IN BAR STYLE SELECTED BY OWNER COMP. TO YALE SERIES 500 (TRADITIONAL OFFSET TUBE BAR) YALE 200 (BASIC PUSH BAR) AND/ OR YALE 7200 (STYLELINE BAR) - COORD. PER DOOR TYPE & MULL REQMTS. ETC. REVIEW ALL TRIM PREFERENCES W/ OWNER .
- L-12 - SECURE AREA PANIC BAR IN STYLE COMP. TO THE ABOVE YALE DEVICE BUT SUPPLEMENTED WITH THE ELECTRONICS NEEDED TO PROVIDE A LIFE SAFETY CODE COMPLIANT IMMEDIATE ALARM / 15 SECOND DELAY ON THE ACTUAL DOOR OPENING . PROVIDE AS A COORDINATED KIT COMP. TO THAT MANUFACTURED BY DETEX - KEY OVER-RIDE MUST BE PART OF THE KIT. COORD. SUCH OVER - RIDE AND/ OR RE-SET PREFERENCES WITH OWNER .
- L-13 - FLUSH BOLT & STRIKE SET COMPARABLE TO TRIMCO 38XX & 39XX DEVICES - COORD. PER DOOR TYPE (S) AND MATCHING ADJACENT FINISHES, ETC.
- MP - MORTISED SLIDING DOOR FINGER PULLS COMP. TO STANLEY 2689 .
- PP - STOREFRONT SUPPLIER'S STD. PUSH/ PULL(S), CYLINDER(S) FLUSH BOLTS, ETC. (AT DBL. DR. CONDITION, SEE RELATED L-6 & L-7 NOTES)
- STD - PRE-ENG. PRODUCTS DEVICES - SEE SPECS .
- WS - PERIMETER JAMB WEATHERSTRIP/ ACOUST. SEAL COMP. TO NATNL. GUARD 160V TO SUIT FIELD CONDITION . PROVIDE SMOOTH MAX. 1/2" HT. THRESHOLD COMP. TO NATNL. GUARD 58 - SET IN FULL BED OF SURROUNDING SEALANT . COORD. ANY REQD. END EXTENSIONS AND/ OR RETURNED ENDS, ETC. AS REQD. TO HELP PREVENT WATER AND/ OR PEST AND/ OR ACOUSTICAL TRANSFER PROBLEMS .

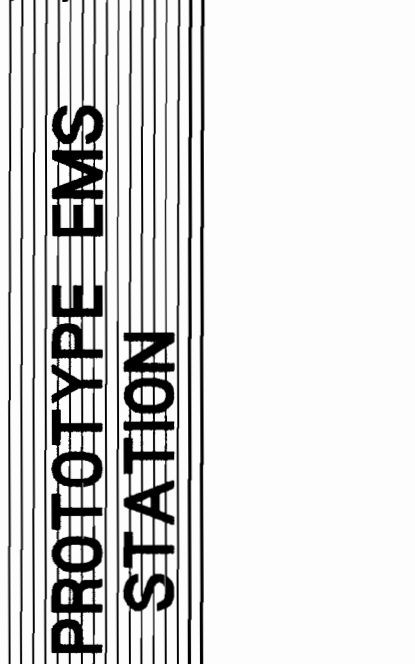
designer's seal



owner

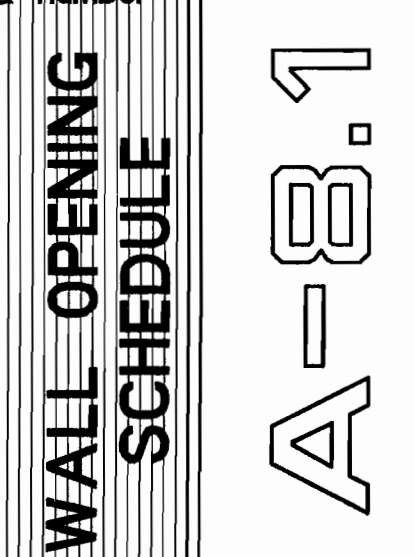


project



| SHEET | ISSUE | DATES |
|---------|--------------------------------|-------|
| 6/20/14 | 90% CD PROGRESS REVIEW | |
| 7/17/14 | UPDATED 90% CD PROGRESS REVIEW | |
| 9/22/14 | PERMIT REVIEW PRINTS | |

sheet name & number



M-1.1 (HVAC)
KEYED NOTES - SEE SHT A-2.1.1 (CLG. & LIGHTS)

CEILING SYMBOLS - SEE SHT A-2.1.1

ROOM LABELS - SEE SHT A-2.2

GENERAL NOTES (MATLS./FIN.)

- ARCHITECT'S MATERIAL & FINISH INDICATIONS ARE INCLUDED HEREIN SO THAT HIS DESIGN DOCUMENT PREP. WILL EVIDENCE SUCH BASIC MATERIAL INDICATIONS. EVEN WHEN SOME MORE DETAILED FINISH NOTATIONS ARE INDICATED, PRIOR TO IMPLEMENTATION, BUILDER(S) MUST STILL CAREFULLY COORDINATE THAT SHOWN WITH THE FINALIZED/ MORE DETAILED INTERIOR DESIGN REQUIREMENTS. OBTAIN OWNER REP. AND OBTAIN OWNER'S FINAL APPROVAL OF RELATED INTERIOR DESIGN SELECTION(S) SUCH AS SPECIFIC MANUFACTURER'S PRODUCT CHARACTERISTICS, COLORS, TEXTURES, PATTERNS, ETC.
- ARCHITECT HAS ATTEMPTED TO NOTE EXISTING CONDITIONS WITH AN "X" PREFIX, AS PER HIS BEING INFORMED OF SUCH MATERIAL EITHER BEING IN PLACE OR SCHEDULED TO BE PLACED BY TIME OF WORK SHOWN HEREIN. NO MODIFICATIONS SHOWN ARE INTENDED TO SUBSTANTIALLY ALTER SUCH PREVIOUS DESIGN SOLUTIONS. FIELD VERIFY ALL CONDITIONS AND AT ANY QUESTIONABLE ELEMENT, PROVIDE OWNER WITH AN ALTERNATE FOR PLACING AND/ OR CORRECTING AS NEEDED FOR THE WORK REQUIRED HEREIN.
- DO NOT PERFORM ANY STRUCTURAL ALTERATIONS WITHOUT AN ENGINEER'S APPROVAL OF THE PROPOSED WORK AND IMPLEMENT ALL MEASURES NECESSARY TO AVOID ANY DAMAGE TO BUILDING'S FOUNDATION, SLAB, AND/ OR OTHER ELEMENT'S STRUCTURAL INTEGRITY.
- SAFEGUARD THE INTEGRITY OF ANY PROPOSED AND/ OR EXISTING FIRE RESISTANT AND/ OR RATED CONSTRUCTION.
- ABBREVIATIONS AND NOTE LISTINGS ARE PROTOTYPICAL IN NATURE AND MAY CONTAIN SOME REFERENCES NOT BEING USED FOR THE PROJECT.
- WHERE REQUIRED FOR WORK SHOWN HEREIN, MAKE SPECIAL NOTE OF THINGS SUCH AS:
 - WALLS:
 - PATCH/ REFINISH WALL FINISH SUBSTRATE(S) SO AS TO PRODUCE A SMOOTH SURFACE SUFFICIENT FOR FINAL FINISH NOTED.
 - AT PAINTED CMU, PATCH AND RUB CMU ASSEMBLY FREE OF ANY CHIPS, DEFECTS AND/ OR MORTAR PROTRUSIONS.
 - AT GPDW BACKER FOR FRP PROVIDE "LEVEL 2" FINISH AS PER USG GUIDELINES. (E. EMBED/COVER JOINT TAPE IN COMPOUND AND TOOL SMOOTH.)
 - AT GPDW BACKER FOR WALL COVERINGS/ PAINT PROVIDE "LEVEL 4" FINISH AS PER USG GUIDELINES. (E. EMBED/ TRIPLE COVER OF JOINT TAPE IN COMPOUND WITH EACH TOPCOAT COMPOUND LAYER DRED & LIGHTLY SANDED TO PRODUCE A SMOOTH PAINT QUALITY FINISH.)
 - ASSURE THAT ANY SINGLE WYTHE CMU EXTERIOR ENCLOSURE WALL IS WATERPROOFED AND INSULATED PRIOR TO APPLICATION OF FINISHES. WHERE DURABILITY OF PAINTED CMU FACE IS REQUIRED, VIA DRILLED PORTS ABOVE FINISHED AREA, FILL CMU CELLS WITH VERMICULITE. WHERE GPDW FACE IS SUFFICIENT, PLACE 1 1/2" FURRING STRIPS AND FILL Voids BETWEEN SAME WITH MIN. R-12 PER INCH POLYISOCYANURATE INSULATION BOARD.
 - WRAP WALL COVERINGS AND GLUE STRANDED EDGES SUCH AS ENDWALLS AND/ OR CORNERS. TRIM TIGHTLY TO WALL ABUTMENTS. (CABINETS, LAVATORIES, DOOR/ WINDOW/ STOREFRONT FRAMES, ETC.)
- SPECIAL WALLS:
 - EXTEND REQUIRED RATED AND/ OR ACOUSTICAL WALL MATERIALS THRU ANY INTERSTITIAL SPACE, SEALING AROUND PERIMETER AND PENETRATIONS, PLACING STUDS, BRACING, AND/ OR FLEX PLATES, INTUMESCENT FOAM, ETC., AS REQUIRED FOR ROOF FLEXURE AND ASSURANCE OF COMPLIANCE WITH REQUIRED RATING(S).
 - AT ACOUSTICAL WALLS, WHEN A MORE DETAILED ETC ASSEMBLY RATING IS NOT SPEC'D, EXTEND FINAL WALL(S) TO UNDERSIDE OF ROOF ABOVE. FILL STUD CAVITY WITH ACOUSTICAL BATT INSULATION. FACE ANY OPEN STUD WITH HEX WIRE TIED TO STUDS. ASSURE A GOOD TIGHT ACOUSTICAL SEAL AT STUDS AND ANY ITEM PASSING THRU WALL.
 - CAREFULLY PLAN INSTALL OF ANY PREFINISHED PANEL PRODUCTS, ESP. WHEN PART OF NSF FOOD PREP REQUIREMENTS, SO AS TO BEST CONCEAL JOINTS, RETURN REQUIRED PRODUCT TO ANY RECESSED JAMBS/ SURROUNDS OF WALL OPENINGS. FIT TIGHT TO ANY CABINETS/ WALL ABUTMENTS. TRIM ALL EDGES AND SEAL.
- FLOORS:
 - PERFORM WORK ON STRUCTURAL SLABS ONLY AFTER REINFORCEMENT HAS BEEN MARKED AND ASSURE AGAINST CUTTING OF SUCH REINFORCEMENT(S).
 - FINISH AND/ OR REFINISH ALL AREAS AS REQUIRED TO PRODUCE A UNIFORM SMOOTH SUBSTRATE FOR NEW FLOORING.
 - AT PLANAR FLOORING ELEMENTS (E. SHEET VINYL), COORDINATE ANY REQUIRED FLOOR JOINT CONCEALMENT AS PER FLOORING MANUFACTURER GUIDELINES. ALLOW NO JOINTS TO TELEGRAPH THRU TO FINISH PLANAR FACE. SIMILARLY COORDINATE AN INTEGRAL BASE AT CONTINUOUS MEMBRANE FLOORING. (E. HEAT SEALED MEMBRANE APPLICATIONS)
- CEILING:
 - WORK AND/ OR REWORK ANY ACOUSTICAL CEILING TO A UNIFORM GRID PATTERN ABUTTING SIDES OF WALLS. LAYOUT SPACE(S) SO AS TO AVOID ANY TILE UNDER 4" WIDTH. DO NOT INSTALL UNINTERRUPTED CEILING GRID OVER TOP PLATE OF WALLS.
 - CAREFULLY PLAN INSTALL OF ANY SPECIAL PREFINISHED CEILING PANEL PRODUCTS, ESP. WHEN PART OF NSF FOOD PREP REQUIREMENTS. FIT TIGHT TO ANY CABINETS/ WALL ABUTMENTS.
 - ASSURE THAT TILE OVER WHICH ANY INSULATION IS PLACED, IS DESIGNED FOR CARRYING LOADS APPLIED SO AS TO NOT CAUSE FACE DEFLECTION.
- MISCELLANEOUS:
 - REMOVE ANY QUESTIONABLE EXISTING FINISHES.
 - REPAIR ANY EXISTING SUBSTRATE DAMAGE(S) TO LIKE NEW CONDITION PRIOR TO INSTALLING NEW FINISHES.
 - SECURE GPDW VIA ADHESIVE AND SCREWS SO AS TO MINIMIZE POP MARKS AT FASTENERS.
 - AT PAINTED WALLS, UNO, ASSURE A SMOOTH FINISH FREE OF BRUSH AND/ OR ROLLER MARKS, OVERSPRAY, ETC.
 - COORD. ANY WALL BLOCKING NEEDED FOR OWNER'S SIGNAGE, WALL PRINTS, ARTWORK, ETC.
 - COORD. ANY VINYL SIGNAGE APPLICATIONS, ETC. WITH OWNER.
 - COORD. DOOR/ FRAME FINISHES WITH OWNER'S INTERIOR DESIGN SCHEME.
 - COORD. OF CABINET BLOCKING AND FINISHES. SEE CABINET ELEVATIONS/ DETAILS.
 - PROVIDE CORNER AND/ OR GENERAL WALL PROTECTION AT AREA(S) SUBJECT TO HEAVY USER ABUSE.

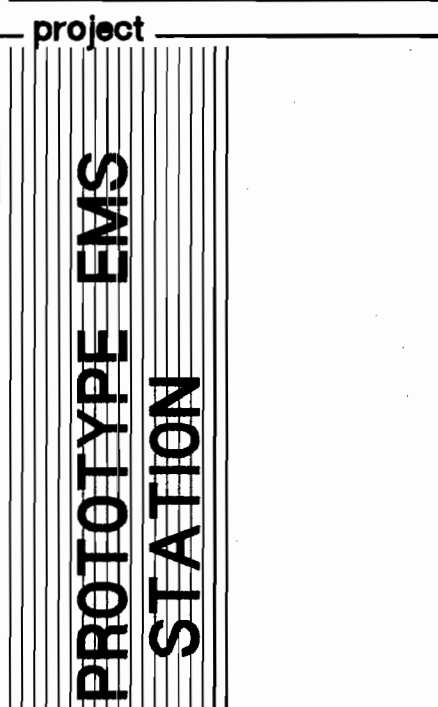
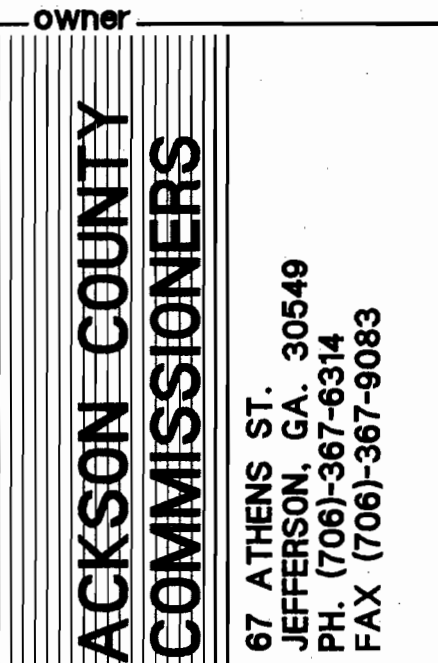
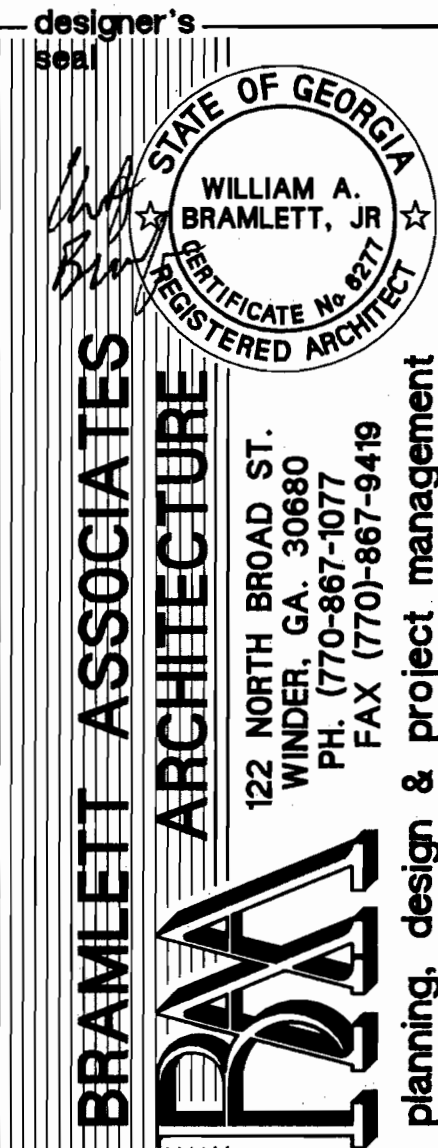
| BASIC MATL./RM. FINISH SCHEDULE | | | | | | | | |
|---|-------------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------------------|
| LINE #1 = EXISTING BASIC MATLS. (DASH = NONE) LINE #2 = PROPOSED (DASH = NONE OR RE-USE EXISTG) LINE #3 & 4 = CUSTOM FINISH AND/ OR KEYED NOTES | | | | | | | | |
| ROOM # | ROOM NAME | NORTH WALL | SOUTH WALL | EAST WALL | WEST WALL | FLOOR | CEILING | MISC KEYED NOTES(*) |
| 100 | LOBBY | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 100A | MED STORAGE | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 101 | APPARATUS | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 102 | LAUNDRY | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 103 | ELECTRICAL | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 110 | TRAIN/ DINE | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 111 | KITCHEN | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 111A | PANTRY | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 112 | DEN | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 120 | STD. BEDROOM | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 120A | VESTIBULE | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 121 | LAVATORY/ TOILET | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 121A | SHOWER | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 130 | ADA BEDROOM | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 131 | ADA LAVATORY/ VESTIBULE | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 131A | ADA SHOWER | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 132 | ADA TOILET | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 201 | MEZZANINE | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |
| 201A | MEZZANINE STOOP | 1 2 3 4 | - - - - | - - - - | - - - - | - - - - | - - - - | - |

BASIC MATL. ABBREVIATIONS (SCHED. LN. #1 & #2)

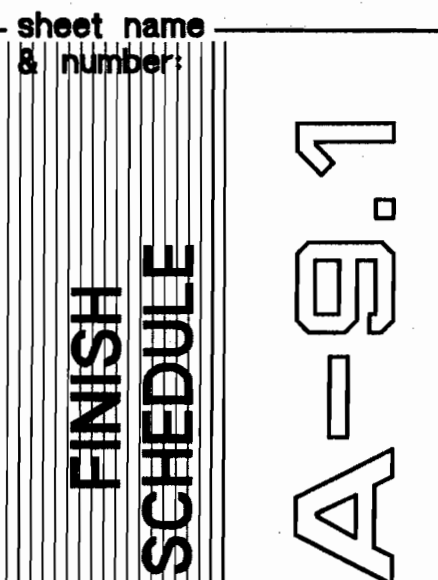
- WALLS : (ALSO REFER TO ANY KEYED NOTES ON GEN. FLR. PLAN)
- CR = CHAR RAIL
- FRP = PRE-FINISHED FIBERGLASS REINFORCED PANELING W/ FULL JOINT TRIM, PERIMETER SEAL, ETC. PER NSF REQUIREMENTS
- GM = 5/8" DIRECT GLUED GPDW ATOP MASONRY UNIT. (8" CMU UNLESS NOTED OTHERWISE)
- GW = 5/8" GPDW LEVELLED & SECURED TO UNDERSIDE OF CEILING FLOOR STRUCTURE
- GF = 7/8" MTL. FURRING CHANNELS & 5/8" GPDW EXPOSED FACE
- G = STUD WALL WITH 5/8" GPDW EXPOSED FACE(S) BRACE ABOVE CEILING AS REQUIRED BY MANUFACTURER'S DATA. SEE PLAN FOR ANY RATING REQUIREMENTS
- G1 = HEADWALL AND/ OR KNEEWALL IN TYPE SIM. TO ADJ. CONST. W/ 5/8" GPDW EXPOSED FACE(S) AND VOID FILL FIBERGLASS INSULATION AT EXTERIOR WALLS
- M = BRICK OR CONCRETE MASONRY UNIT
- MP = PREFINISHED INSULATED METAL PANEL
- P = MIN 2 COAT PAINT PER MFR. GUIDELINES FOR APPLICABLE SUBSTRATE
- EP = MIN 2 COAT ENAMEL PAINT PER MFR. GUIDELINES FOR APPLICABLE SUBSTRATE
- PF = PRE-FIN. ALUMINUM STOREFRONT OR SIM. METAL DOOR, WINDOW AND / OR RAILING. COORD. W/ INT. DES. SCHEME
- PL = PLASTIC LAMINATE ALSO COORD. W / APPLICABLE CABINETS & DOORS
- WC = WALL COVERING
- FLOORS & CEILINGS :
- CT = THINSETT - HIGH TRAFFIC RATED SLP RESISTANT STONE MATRIX TILE W/ COVED CERAMIC BASE & SEALED GROUT
- ES = EXPOSED STRUCTURE
- C = SEALED CONCRETE FLOOR W/ LIGHT BROOM FINISH AT ANY POTENTIALLY WET LOCATION
- CPT = IMPERVIOUS BACKED ANTI-MICROBIAL CARPET TO MATCH EXISTING
- FEP = FLOOR ENAMEL PAINT OVER MFR. APPROVED SUBSTRATE PREP.
- VF = HEAT WELDED SEAM SHEET VINYL FLOORING & BASE
- VCT = COMMERCIAL GRADE VINYL COMPOSITION TILE SET IN 45 DEGREE CHECKERBOARD PATTERN
- * ALL NON-WELD FLOORING TO HAVE MIN 4" COVED RUBBER BASE, EDGE TRIM AND PREFORMED CORNERS - FULLY ADHERED TO SUBSTRATE
- CEILING : SEE REFLECTED CEILING PLAN(S)
- (X) = THIS PREFIX DENOTES REUSE OF EXISTING WORK THAT IS REPORTEDLY IN PLACE UNDER PREVIOUS PERMIT.

KEYED NOTES (MATLS./FIN. SCHED. LINE #4)

- THE FOLLOWING KEYED NOTES AND SUBNOTES, WHEN PLACED ON APPLICABLE DRAWING(S), ARE USED TO TRY AND KEEP GRAPHICS LESS CLUTTERED WHILE STILL REFERRING ONE TO MORE DETAILED PROJECT REQUIREMENTS.
- WALLS - SEE BASIC CODE NOTES, GENERAL FLOOR PLAN AND/ OR INTERIOR DESIGN PLANS FOR COORDINATION OF UNIQUE WALL REQUIREMENTS SUCH AS DEMO, INTLL, RATED AND/ OR ACOUSTICAL WALL LOCATIONS, SPECIFIC WALL COLOR SCHEMES, ETC. - ADED BY THE FOLLOWING APPLICABLE SUBNOTES:
 - RATED WALL : SEE APPLICABLE DETAIL & RELATED LABELING REQUIREMENTS
 - ACOUSTICAL WALL : SEE APPLICABLE DETAIL. - WHERE NO DETAIL, PROVIDE ACOUSTICAL BATT INSULATION IN STUD WALLS AROUND ROOM
 - WALL PORTION : PART OF WALL IS OPEN TO AN ADJACENT SPACE. CHECK RELATED DETAILS FOR REQUIRED PARTIAL WALLS, HEADWALLS, KNEEWALLS, ANGLED WALLS, CABINETS, RAILINGS, ETC.
 - ENCLOSED COLUMN(S) : CHECK APPLICABLE DETAILS - WHERE NO DETAIL, PROVIDE STUD WALL SURROUND W/ 5/8" GPDW FACE & INSULATION IN STUD WALLS AROUND ROOM
 - CORNER RETURN FINISHES : RETURN GPDW, AND ANY PAINT, WALLCOVERING, BUMPER/ CHAR-RAIL AND/ OR BASE TO STOREFRONT. EXTEND UPPER LEVEL FINISHES ACROSS GPDW HEADER AND RETURN TO STOREFRONT.
 - FLOORS - SEE GENERAL FLOOR PLAN AND/ OR INTERIOR DESIGN PLAN(S) FOR LINE OF ANY UNIQUE FLOOR REQUIREMENT(S) SUCH AS DIFFERING FLOOR FINISHES, FLOOR HEIGHTS, FLOOR PATTERNS, ETC. - ADED BY THE FOLLOWING APPLICABLE SUBNOTES:
 - FLOOR FINISH LINES : SEE GEN. FLOOR PLAN FOR CHANGE LINE OF FLOOR FINISHES
 - FLOOR PATTERN : SEE DETAIL FOR REQUIRED FLOOR PATTERN(S)
 - SHOWER CURB : PROVIDE TILE WRAPPED NOM. 4" CONC. CURB @ STD. SHOWER STALL & RAISED LP MARBLE THRESHOLD AT ADA STALLS
 - CEILING - SEE REFLECTED CEILING PLAN
 - MISCELLANEOUS - COORD. FOR OTHER UNIQUE BASIC FINISH(ES) REQUIREMENT(S) - ADED BY THE FOLLOWING APPLICABLE SUBNOTES:
 - SERVICE WINDOW : COORDINATE ADJACENT FINISH(ES) WITH INSTALL OF NEW SERVICE WINDOW & COUNTER
 - LEAD SHIELDING : COORDINATE LEAD SHIELDING OF AREA IN ACCORDANCE WITH OWNER'S SPECIALTY EQUIP. REQUIREMENTS
 - RENOVATION NOTES (WHEN APPLICABLE)
 - EXISTG. FINISHES VERIFICATION : VERIFY EXISTG. FINISH(ES) AS BEING PER INFO FURNISHED & ACCEPTABLE TO OWNER REPS
 - EXISTG. FINISHES UPGRADE : EXTEND AND RE-FINISH ORIGINAL FINISHES FOR THIS AREA TO ACCOMMODATE NEW SPACE LAYOUT REQUIREMENTS. SEE RELATED DETAILS. REPLACE ALL FINISHES NOT EXHIBITING A LIKE NEW APPEARANCE AND/ OR WHERE AN EXACT MATCH CAN NOT BE OBTAINED AND/ OR WHERE A MATCH LINE CAN NOT BE MINIMIZED
 - EXISTING RATED WALL : A RATED WALL ALREADY EXISTS IN THIS AREA. KEEP RATED MATERIALS INTACT. RE-FINISH ANY CHANGES AS PER TYPICAL ORIGINAL RATED WALL. SEE LABELING REQUIREMENTS
 - RATED WALL TRACE : AN EXISTING RATED WALL IS LOCATED IN THIS AREA BUT IS NO LONGER REQUIRED UNDER NEW OCCUPANCY APPLICATION(S)
 - SINGLE WYTHE CMU : ASSURE THAT AN APPARENT SINGLE WYTHE CMU EXTERIOR ENCLOSURE WALL IS WATERPROOFED AND INSULATED PRIOR TO APPLICATION OF FINISH(ES)
 - STRUCTURAL CHECK : EXISTING FLOOR APPEARS TO BE OVER STRUCTURAL. OBTAIN APPROVAL BEFORE ANY REMOVAL AND/ OR RETRO-FIT
 - RE-USED EQUIPMENT : COORD. ADJACENT FINISHES WITH INSTALL OF OWNER'S PLANNED RE-USE OF EQUIPT. (SPECIFY PECEK(S))



| SHEET ISSUE DATES | | | |
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| UPDATED 100% CD PROGRESS REVIEW | | | |
| PERMIT REVIEW PRINTS | | | |



OUTLINE STRUCTURAL SPECS

A . BASIC CONDITIONS :

- DESIGN COORDINATION(§) : WHEN ENGINEERING SHEETS HAVE BEEN STAMPED BY ARCHITECT, THEY HAVE BEEN INCLUDED HEREIN SO THAT PERMIT DOCUMENT PREP. WILL EVIDENCE SUCH INCIDENTAL ENGINEERING NEEDS. BUILDER(§) MUST STILL CAREFULLY COORDINATE THE WORK SHOWN WITH ANY MORE DETAILED PROJECT REQUIREMENTS. OBTAIN APPLICABLE OWNER REP. APPROVAL OF FINAL MATERIALS BEING USED, INCLUDING ALL APPURTENANCE MANUFACTURER'S SPECIFIC OPTIONS, COLORS, TEXTURES, ACCESSORIES, ETC. - AND WHERE REQUIRED PROVIDE SUBMITTALS STAMPED BY A TRADE APPROPRIATE ENGINEER, LICENSED TO PRACTICE IN PROJECT'S LOCALE.
- RELATED STANDARDS : STRUCTURAL WORK TO CONFORM WITH MINIMUM REQUIREMENTS ESTABLISHED IN THE LATEST EDITION OF THE INTERNATIONAL CODE CONGRESS STD'S, APPLICABLE INDUSTRY STANDARDS, LOCAL SUPPLEMENT(§) AND/ OR APPLICABLE AMENDMENT(§).
- RELATED EQUIPMENT : COORDINATE WORK WITH RELATED TRADES. VERIFY THAT ANY OWNER EQUIPMENT SUPPLIER(§) HAVE PROVIDED APPLICABLE APPURTENANCE INFORMATION TO BE COORDINATED WITH WORK HEREIN. PROVIDE SAME TO ARCHITECT FOR POTENTIAL REFERENCE.
- LAYOUT(§) : WORK HEREIN SHOULD BE PLACED IN GENERAL CONFORMANCE WITH THE DIAGRAMMATIC LAYOUT(§) INDICATED BUT MAY NEED TO BE ADJUSTED FOR UNANTICIPATED FIELD CONDITIONS, ETC.
- TESTING : SEE OWNER'S BD INSTRUCTIONS FOR APPLICABLE TESTING COORDINATION REQUIREMENTS.
- SUSPECT CONDITIONS : REFER ANY SUSPECT CONDITIONS TO ARCHITECT. DO NOT PERFORM ALTERATIONS TO AN ENGINEERED PRODUCT AND/OR AN EXISTING BUILDING WITHOUT ARCHITECT'S APPROVAL OF THE PROPOSED WORK. IMPLEMENT ALL MEASURES NECESSARY TO AVOID ANY DAMAGE TO PRE - EXISTING CONDITIONS.
- MISC : SEE ARCHITECTURAL SHEET(§) FOR RELATED OUTLINE SPEC BASICS, WALL LAYOUTS, BASIC FINISHES INTERFACE, ETC.
- EXISTING WORK COORDINATION - WHEN APPLICABLE:
 - WHERE ARCHITECT HAS ATTEMPTED TO NOTE EXISTING CONDITIONS, HE HAS BEEN INFORMED OF SUCH MATERIAL EITHER BEING IN PLACE OR SCHEDULED TO BE IN PLACE BY TIME OF WORK SHOWN HEREIN. WHEN AVAILABLE, SEE PREVIOUS PERMIT DOCS. NO MODIFICATIONS SHOWN ARE INTENDED TO SUBSTANTIALLY ALTER SUCH PREVIOUS DESIGN SOLUTIONS. FIELD VERIFY ALL CONDITIONS AND AT ANY QUESTIONABLE ELEMENT, PROVIDE OWNER WITH AN ALTERNATE FOR PLACING AND/ OR CORRECTING SAME.
- AS BUILT DRAWINGS : PROVIDE OWNER & ARCHITECT WITH BOTH HARDCOPY AND DIGITAL COPY DESCRIPTIONS OF INSTALLED WORK.

B . BASIC MATERIALS :

DIV . 01 GENERAL (SEE ARCH SHTS)

DIV . 02 SITEWORK & DEMOLITION

- SITEWORK DESIGN BY OTHERS : SEE SEPARATE SITE DESIGN DOCUMENTS. UNO. ALL SOIL BEARING TO BE MIN. 2500 PSF - 95% PROCTOR. REPORT ANY SUSPECT CONDITION TO ARCHITECT.
- DEMOLITION : (AS APPLICABLE)
 - PERFORM NO STRUCTURAL DEMOLITION WITHOUT SPECIFIC WRITTEN CONSENT OF A DULY LICENSED STRUCTURAL ENGINEER.
 - ELEVATED SLAB PROJECTS : CONDUCT REQUIRED FIELD INVESTIGATION NECESSARY TO LOCATE ALL SLAB REINFORCING AND POSITION ANY CORE TO MISS SAME. MAKE NO SLAB PENETRATION LARGER THAN A MARGINAL 4" CORE. DO NOT DAMAGE ANY REINFORCING ON ELEVATED SLAB WORK.

DIV . 03 CONCRÈTE

- COMPLY WITH APPLICABLE CSI CRITERIA FOR MIN. 3000 PSI CONCRETE. COORDINATE AGGREGATE AND MIX TO BEST SUIT APPLICATION AND ASSURE UNIFORM MIX DISTRIBUTION AT TIME OF PLACEMENT.
- FOUNDATIONS : EARTHEN FORM CONCRETE IN SIZING AND REINFORCEMENTS NOTED. OTHERWISE, PROVIDE MIN. 8" THICK X 24" WIDTH W/ TWO #4 REBAR.
- SLAB(§) ON GRADE : MIN. 4" THICK CONCRETE ; ATOP A MIN. 5 PLY REINFORCED VAPOR BARRIER WITH SEAMS SEALED ; PLACED ATOP MIN. 4" #57 COMPACTED GRAVEL STONE BASE.
- BAR REINFORCEMENT : CRSI COMPLIANT ASTM A615 60 KSI DEFORMED BILLET STEEL / PLAIN FINISH RE-BAR. ASSURE ALL OVERLAPS AT MIN. 20 BAR DIAMETERS.
- WIRE REINFORCEMENT : CRSI COMPLIANT ASTM 185 MIN. 6X6X10/10 WELDED WIRE FABRIC (WWF)
- DOWELS : PLACE MIN. #4 X 8" REBAR DOWELS AT MAX 4 FT. OC, UNDER WWF, AT EXPANSION JOINTS.
- JOINTING : SEE DIV. 7 FOR RELATED JOINT FILLER(§).
- CMU FILL : MIN 3,000 PSI PEA GRAVEL CONCRETE (AKA GROUT) CAPABLE OF BEING PLACED IN 4 FT. LIFTS, OF COMPLETELY FILLED CELLS, PER MIA STD'S.
- VERTICAL CELL REINFORCEMENT : SEE ABOVE " BAR REINFORCMENT SPEC ; COORDINATE STUB-UPS TO ALIGN WITH CELLS AS PART OF FOUNDATION PLACEMENT. BEND BAR INTO APPLICABLE HEADER AND / OR LINTELS - AND TIE TO ANY APPLICABLE WELD PLATE ANCHORS.
- PREENGINEERED ARCHITECTURAL ELEMENTS : PROVIDE SHOP DRAWING AND PRODUCT SUBMITTALS, PREPARED UNDER STAMPED SUPERVISION OF A STRUCTURAL ENGINEER.
- PATCH : PLACE ABOVE DOWELS AT MAX. 2 FT. OC. AROUND PERIMETER OF ANY PATCH - WHERE ORIGINAL REINFORCING HAS BEEN APPROVED TO BE REMOVED.
- ON RENOVATION WORK, OR APPROVED PATCHES TO NEW WORK, FEATHER ANY SLAB PATCHES AND / OR SIMILAR FLOOR LEVELING COMPOUNDS INTO EXISTING SLAB LINES SO THAT ANY NEW PATCH / LEVELING DOES NOT TELEGRAPH THRU FINISHES.

DIV . 04 MASONRY

- COMPLY WITH APPLICABLE IBC SEISMIC, MIA & BIA CRITERIA.
- CONCRETE MASONRY UNITS (CMU) : ASTM C-90 GRADE N, TYPE II MOISTURE CONTROLLED HOLLOW CORE UNITS WITH FACE OF MATCHING, CRISP AND CLEAN LINES ; PROVIDE BULLNOSED UNITS AT EXPOSED CORNERS. UNLESS NOTED OTHERWISE, LAY IN RUNNING BOND.
- MORTAR BED & JOINT REINFORCEMENT(§) : ASTM C270 GRADE MORTAR WITH MIN. 10 GAUGE EMBEDDED HORIZONTAL LADDER WIRE REINF. AT MAX 24 " OC. (EVERY THRD COURSE)
- WALL BRACING : SECURE TOP OF ANY CMU WALL, TO NEARBY STRUCTURE AT MAX. 12 FT. OC. NOTE REQMNTS. FOR FLEX PLATE MTL. STUD CONNECTIONS TO ACCOMODATE ANY ROOF FLEXURE.
- BRICK VENEER : ANSI / ASTM C216 GRADE 6W ; TYPE FB6 UNITS COMPARABLE TO CHATTAHOOCHEE BRICKS " FLASHED RUSTIC " IN NOM. 4" X 8" - 3 COURSE TO 8" RISE UNITS ; ANCHORED AND THRU-WALL FLASHED TO BACKER WALL W/ MIN. 8 GA. FORMED DRIP LOOP WIRE. VENEER'S VERTICAL LEG TO MOVE FREELY IN BACKER WALL'S FORMED LOOP HOLSTER. HOLSTER TO BE SURROUNDED WITH MASTIC COMPATIBLE WITH A BIA COMPLIANT DAMPROOFING OF BACKER WALL'S FACE AND VENEER'S THRU - WALL FLASHING / WEEPS. KEEP AIRSPACE / VENEER DRAINAGE CAVITY FREE FROM MORTAR DRIPPINGS. WRAP TOP OF ANY PARAPET WALL WITH A WATERPROOFING MEMBRANE LAPPED OVER BACKER WALL'S DAMPROOFED FACE(§). ASSURE ALL DRAINAGE CAVITY FLASHINGS ARE CONFIGURED TO PREVENT ENTRY OF WATER INTO BUILDING'S INTERIOR.
- CONTROL LINES : PLACE VERTICAL CONTROL JOINTS AT OR WITHIN 5 FT. OF CORNERS AND AT MAX 30 FT. OC. - SPAN JOINTS WITH STABILIZER(§), COMPARABLE TO THAT MANUFACTURED BY DUR-O-WAL, ACROSS CONTROL LINES AT SAME INTERVAL AS HORIZ. REINFORCEMENT.
- JOINTING & CLEANUP " BROOM CLEAN UNITS AS LAD. STRIKE JOINTS TO CONCAVE FINISH AND RUB FACE SMOOTH FROM ALL MORTAR DRIPPINGS, ETC. CLEAN STUBBORN MORTAR DRIPPINGS WITH A NON-ACIDIC WASH.
- VERTICAL REINFORCEMENT & GROUT FILL : SEE CONCRETE.

DIV . 05 STEEL

- COMPLY WITH APPLICABLE AISC CRITERIA.
- MISC STEEL : PROVIDE MIN. ASTM A36 STRUCTURAL AND MISC. STEEL ; ASTM A325 BOLTS, NUTS & WASHERS ; ASTM A307 ANCHOR BOLTS & AWS D1 COMPLIANT WELDING MATERIALS.
- BAR JOISTS : PROVIDE SDI COMPLIANT OPEN WEB JOISTS - TOPPED W/ SDI COMPLIANT METAL PAN SUBSTRATE - COORDINATED WITH FINAL ROOF - AND SUPPORT FOR UPPER WALL / PARAPET ITEMS - INCLUDING ANY APPLICABLE VENEER(§) - ESP HEAVY VENEERS SUCH AS BRICK. PROVIDE FOR DEFLECTION TO NOT EXCEED 1/240.
- PRIMER : PROVIDE FS TT-P-636 COMPLIANT PRIME COAT PAINT.
- SAFETY : ERECT STEEL PER APPLICABLE OSHA SAFETY REGS. ALLOWING FOR ERECTION LOADS, ANY REQD. TEMPORARY BRACING AND / OR PROTECTIVE MEASURES. ASSURE THAT ANY HANGER OR SIMILAR RETROFIT DEVICE, IS SECURELY ATTACHED TO COMPONENTS IN A WAY THAT AVOIDS THE INTRODUCTION OF UNPLANNED LOADING AND / OR TORSION, ETC.
- PROVIDE SHOP DRAWING AND PRODUCT SUBMITTALS PREPARED UNDER STAMPED SUPERVISION OF A STRUCTURAL ENGINEER. NOTIFY ARCHITECT OF FIELD INSPECTIONS REQUIRED BY ENGINEER OF RECORD.
- PROVIDE ANY PRE-FINISHED / PRE-ENGINEERED METAL COMPONENTS PER SAME BASIC SPECS.

DIV . 06 CARPENTRY

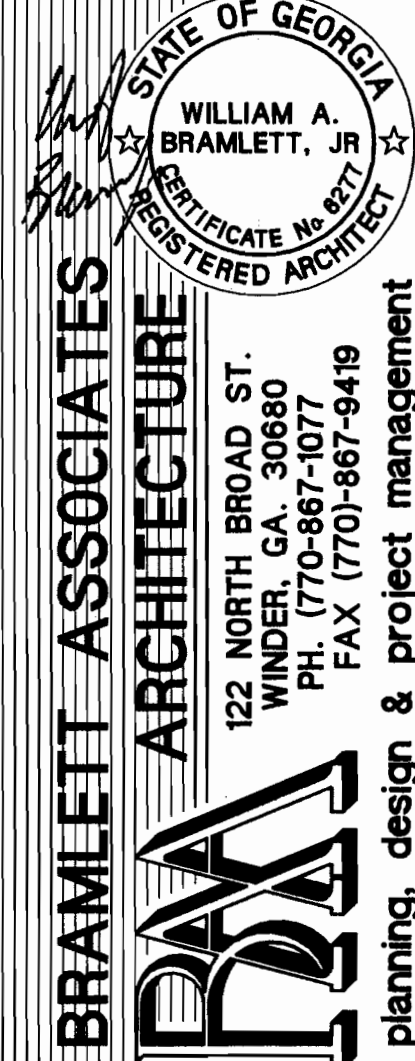
- COMPLY WITH APPLICABLE GENERAL STD'S, SUCH AS THAT SUMMARIZED IN HOYLE'S WOOD TECHNOLOGY " PUBLICATIONS, RELATED COMPONENT MANUFACTURER GUIDELINES - AND APPLICABLE LUMBER GRADING AGENCY RULES.
- FLOOR FRAMING / BLOCKING & EXT. FENCING : MIN. #2 SOUTHERN YELLOW PINE ; MAX. 18% MOISTURE CONTENT.
- PLYWOOD SHEATHING : APA GRADE I STRUCTURAL ; MIN. C-D FACE FINISHES ; EXTERIOR GLUE.
- STUD FRAMING & BLOCKING : MIN. #2 KILN DRIED FR.
- PRESSURE TREATED PRESERVATIVE : AWPA C2 COMPLIANT WATER BORNE PRODUCT W/ MIN. 30 PERCENT RETAINAGE. PROVIDE AT ALL MOISTURE PRONE AREAS.
- FASTENERS : BUGLE HEAD HARDENED SCREW TYPE ; HOT DP GALV. FINISH AT ALL MOISTURE PRONE AREAS. PLAIN FINISH ELSEWHERE. SIZE TO PREVENT EXPOSED FASTENER POINTS. MIN. 2 FASTENERS PER LOCATION. PROVIDE PER IBC SCHEDULE.
- ANCHORS : TOGGLE BOLT TYPE FOR HOLLOW CORE APPLICATIONS ; EXPANSION SHIELD AND LAG BOLT FOR SOLID MASONRY / CONCRETE ; BOLT - OR ENGR. APPROVED BALLISTIC - FOR STEEL.
- JOIST LEDGER / HANGERS : PROVIDE A MIN. 2 X 4 PT. LEDGER BOARD OR APPROPRIATELY CONFIGURED PRE-ENGINEERED METALLIC HANGER.
- RATED ELEMENTS : PROVIDE PER APPLICABLE UL SPEC.
- SEE DIV. 09 FOR ANY METAL STUD FRAMING.
- SEE DIV. 10 FOR REINFORCEMENT OF WALL FOR MISC. SPECIALTIES (ESP. ADA APPURTENANCES)
- SEE ARCH SPECS FOR FINISH CARPENTRY, CASEWORK/ CABINETRY, ETC.

DIV . 09 - DIV . 14 - SEE ARCHITECTURAL SHEETS.

DIV . 15 - SEE PLUMBING & HVAC SHEETS.

DIV . 16 - SEE ELECTRICAL SHEETS.

designer's seal



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PROTOTYPE EMS STATION

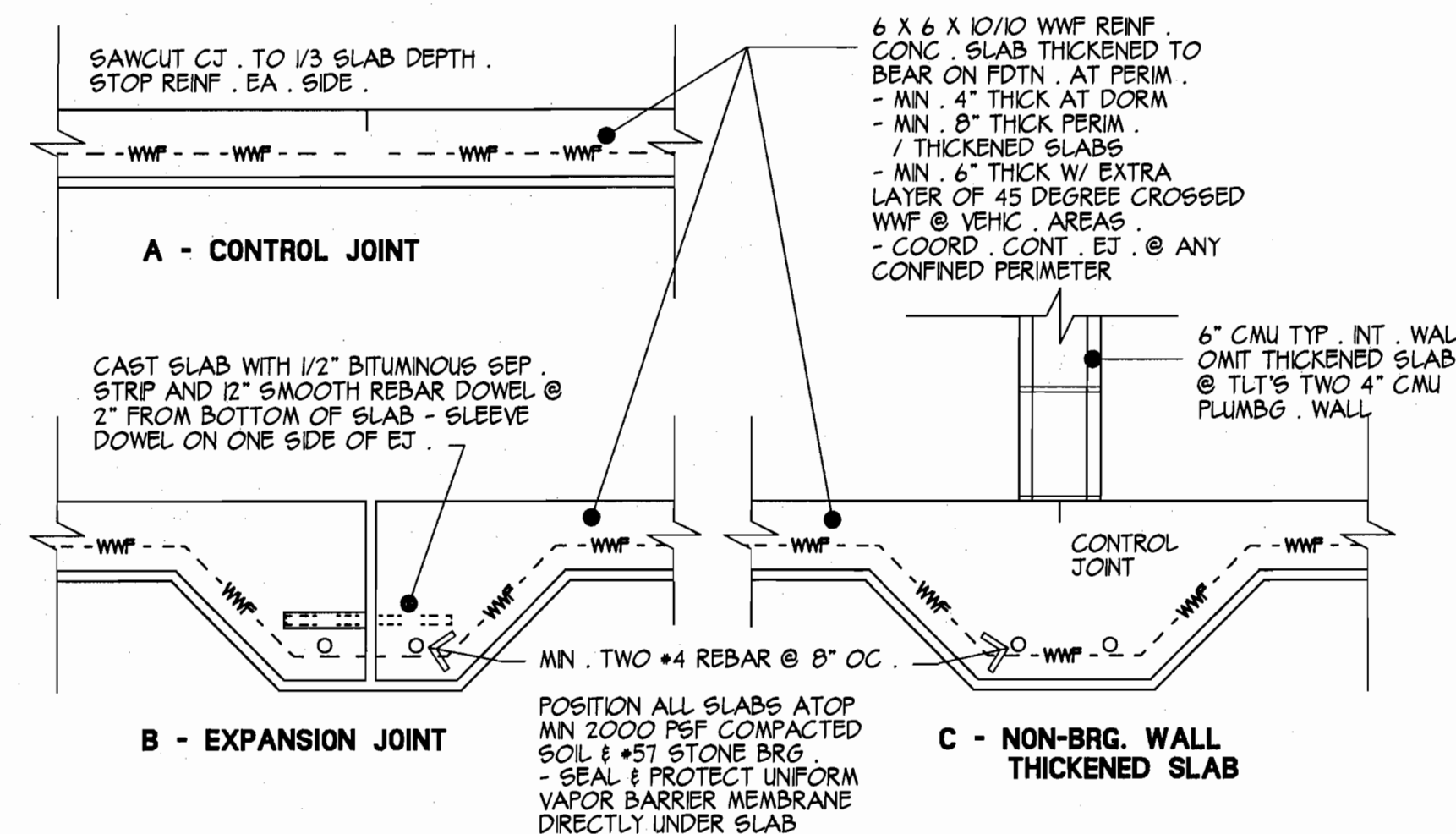
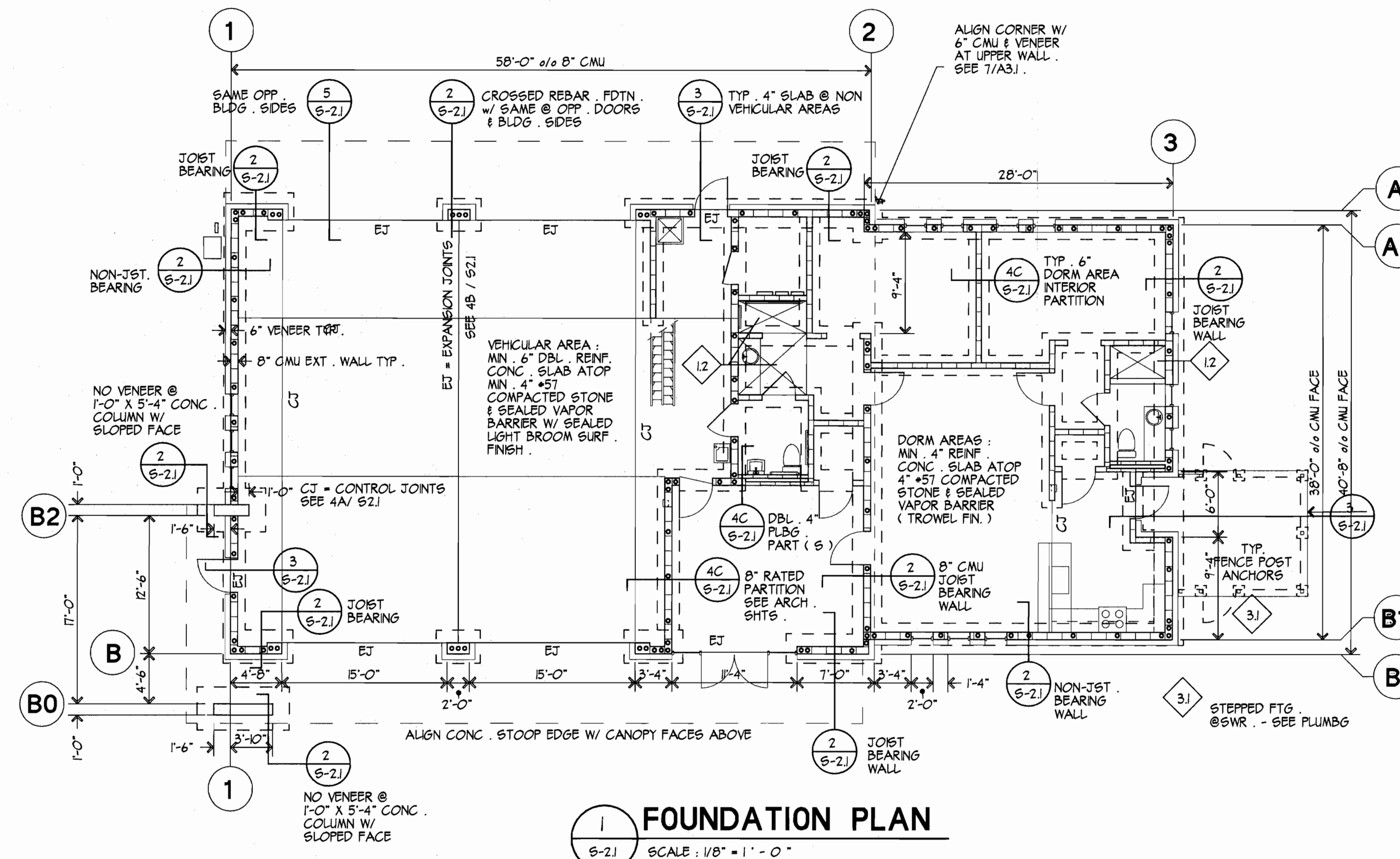
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| 6/20/14 | | | 7/7/14 | 9/22/14 | | | |
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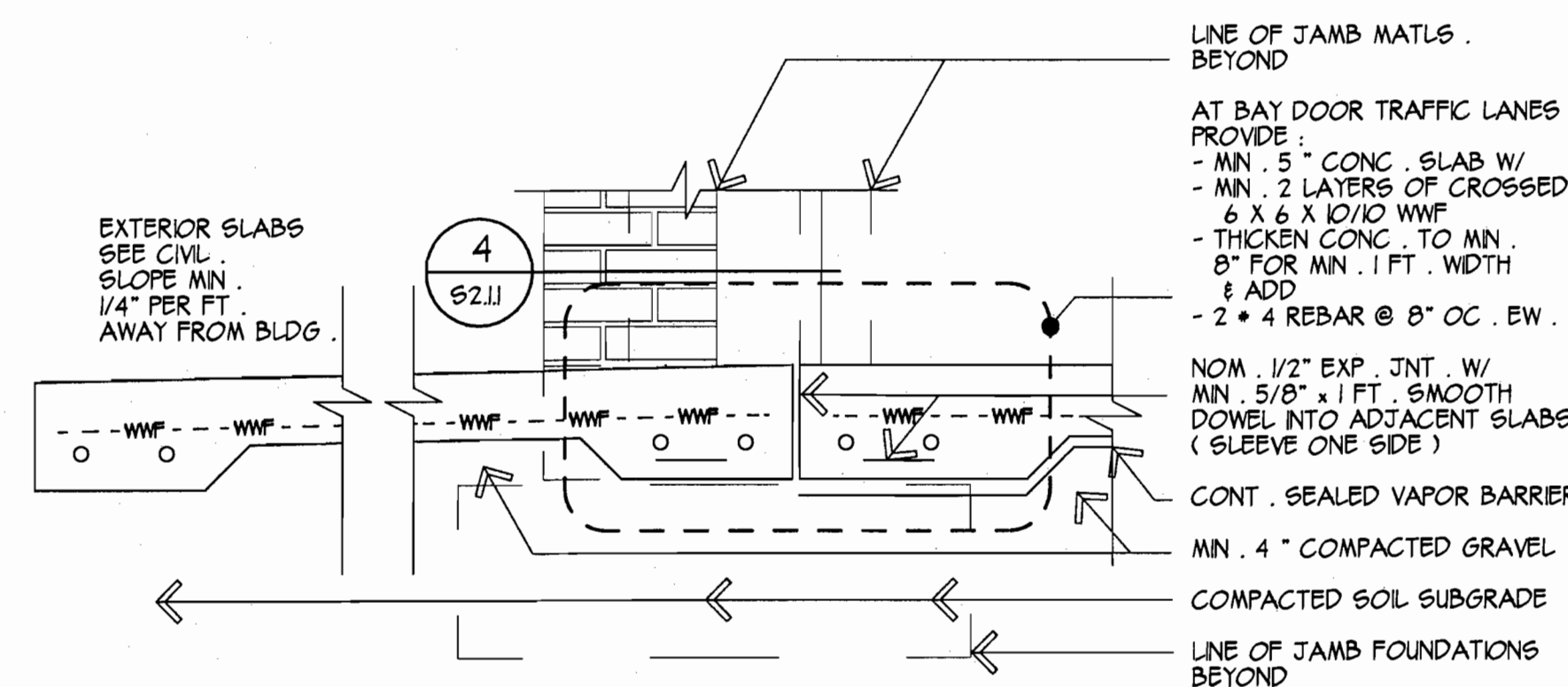
STRUCT. BASICS OUTLINE SPECS

S-0.1

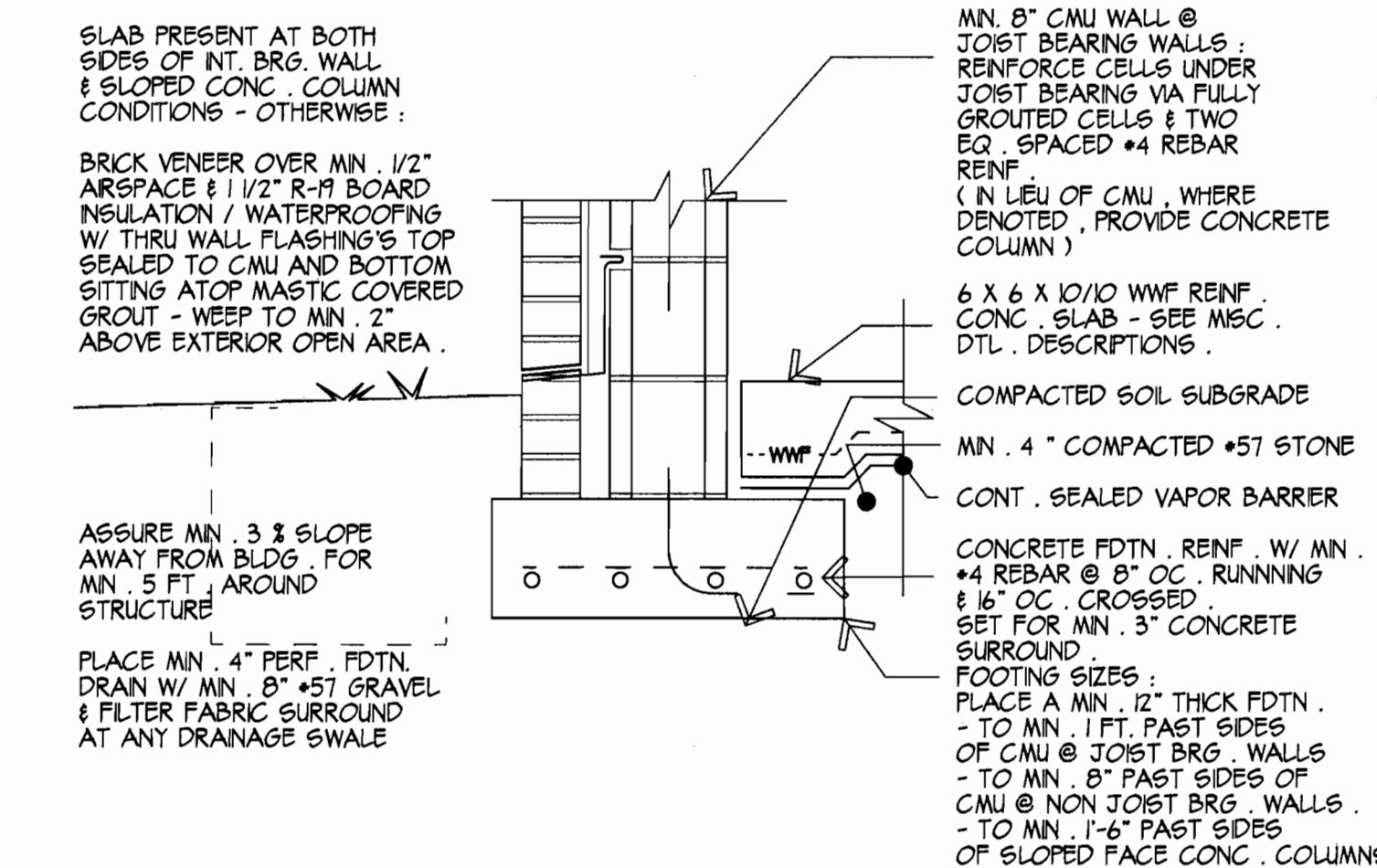
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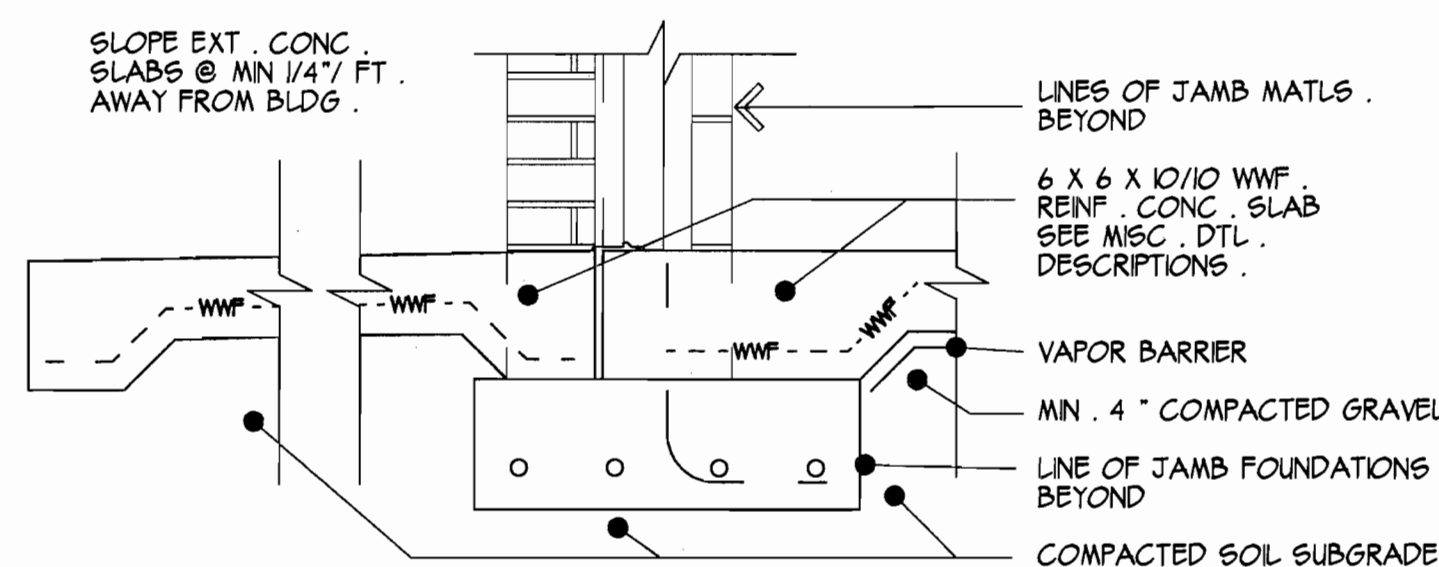
4 MISC SLAB DETAILS
SCALE: NTS



5 SLAB EDGE - VEHIC. LANES
SCALE: 1" = 1' - 0"



2 TYP. EXT. & BRG. WALL FDTN.
SCALE: 1" = 1' - 0"



3 SLAB EDGE - OCCUPANT DOORS
SCALE: 1" = 1' - 0"

GENERAL NOTES (FOUNDATIONS)

- SEE OUTLINE SPECS FOR BASIC INSTALLATION CONCERNS.
- SEE KEYED NOTES FOR MORE SPECIFIC INSTALL REQUIREMENTS.
- ABBREVIATIONS AND NOTE LISTINGS ARE PROTOTYPICAL IN NATURE AND MAY CONTAIN SOME REFERENCES NOT BEING USED FOR THIS PROJECT.
- COORDINATE ALL DIMENSIONING WITH LATEST EDITION OF ARCHITECTURAL FLOOR PLANS.
- MISCELLANEOUS FOUNDATION NOTES AS APPLICABLE: SUBMITTAL REQUIREMENTS:
 - SEE SPECS RE. STAMPED STRUCTURAL ENGINEER'S SUBMITTAL REQUIREMENTS.
 - CONTROL LINES MAY BE SHOWN DIAGRAMMATICALLY AND GRAPHICS MAY HAVE BEEN OFFSET AND / OR ANGLED FOR CLARITY. SET ALL WORK TO NEAT AND STRAIGHT LINES.
 - COORDINATE FOOTING DEPTHS TO PROVIDE FOR DEEPER SET AT ANY POOR SOILS AND / OR OTHER TRADE WORK COORDINATION. (E UNFORMALLY SLOPED SUBGRADE SEWERS)
 - COORDINATE ALL WORK WITH ANY OWNER'S SPECIFIC EQUIPMENT SPECS.
- PRE-EXISTING CONDITIONS AS APPLICABLE:
 - WHERE DESIGNER HAS ATTEMPTED TO NOTE EXISTING CONDITIONS WITH AN "X" PREFIX, HE HAS BEEN INFORMED OF SUCH MATERIAL EITHER BEING IN PLACE OR SCHEDULED TO BE IN PLACE BY TIME OF WORK SHOWN HEREIN. NO MODIFICATIONS SHOWN ARE INTENDED TO SUBSTANTIALLY ALTER SUCH PREVIOUS DESIGN SOLUTIONS. FIELD VERIFY ALL CONDITIONS AND AT ANY QUESTIONABLE ELEMENT, PROVIDE OWNER WITH AN ALTERNATE FOR PLACING AND / OR CORRECTING SAME.
 - WHERE REMOVAL OF EXISTING FINISHES AND / OR PRODUCT(S) IS REQUIRED, COORDINATE REQUIRED DEMO, REMOVAL, TERMINATION AND / OR REPAIR / REROUTING OF EXISTING LINES ALONG WITH REFINISHING OF AREA TO MATCH PREEXISTING CONDITION. FLOOR FINISHES / PATTERNS ARE OFTEN AFFECTED BY BELOW SLAB PLUMBING SO PLAN WORK TO PRODUCE SMOOTH FINISHES SURROUNDING ANY CORING AND / OR SLAB REPLACEMENT AND THUS AVOID HAVING TO REWORK ANY UNEVEN FLOORING SUBSTRATE.
- PROVIDE OWNER WITH AS BUILT DOCUMENTS MARKED UP TO REFLECT ALL FINAL INSTALLATION COORDINATIONS.

KEYED NOTES (FOUNDATIONS)

- THE FOLLOWING KEYED NOTES AND SUBNOTES, WHEN PLACED IN PLAN AND RELATED DRAWINGS, ARE USED TO TRY AND KEEP GRAPHICS LESS CLUTTERED WHILE STILL REFERRING ONE TO MORE DETAILED PROJECT REQUIREMENTS.
- THIS NOTE DENOTES AREA WHERE A STEP IN THE FOUNDATION OR SLAB IS KNOWN TO BE REQUIRED.
 - USE OF THIS SUBNOTE DENOTES NEED TO COORDINATE PLACEMENT OF A MIN. 8" STEP DOWN IN FOOTING AS NEEDED FOR OTHER TRADES WORK.
 - USE OF THIS SUBNOTE DENOTES NEED TO COORDINATE A FLOOR SLAB BLOCKOUT WITH PLUMBER AND / OR TILE TRADES FOR SHOWER AREA DRAINAGE.
 - THIS NOTE DENOTES AREA WHERE REBAR IS TO BE WOVEN INTO FOUNDATION REINFORCEMENT.
 - USE OF THIS SUBNOTE DENOTES NEED FOR COORDINATING AN UPTURN OF TWO MIN. #4 REBAR CENTERED INTO A MIN. SINGLE GROUTED CMU CELL IN WALL - PROVIDE SAME WHERE MULTIPLE CMU CELLS ARE INDICATED - HOOK ALL REBAR UNDER FDTN. REINFORCEMENT &:
 - BEND MIN. ONE REBAR INTO CMU LINTEL REINF.
 - BEND MIN. ONE REBAR INTO TOP PLATE REINF.EXTEND SUCH TIES FOR MIN. 1 FT EACH INTO HORIZONTAL CONDITION (S) (INCREASE CMU TO 12" THICKNESS AT SPANS OVER 10' - 0")
 - THIS SUBNOTE DENOTES AREA WHERE A 12" AUGER HOLE IS TO BE PREPARED TO ACCOMMODATE A MIN. 2 FT. DEEP COMPACTED EARTH BEARING FOR A CONCRETE FILLED SURROUND AT A SMALL POST ANCHOR. ASSURE FRM & SECURED VERTICAL BEARING OF FINAL ELEMENTS PLACED.
 - USE OF THIS SUBNOTE DENOTES NEED TO KEEP POST ANCHOR TOP AT DEPTH SUFFICIENT TO ALLOW CASTING OF A FINAL THICKENED EDGE CONCRETE SLAB TO HELP BRACE POST.
 - MISC EXISTING WORK ADAPTATION REQUIREMENTS:
 - USE OF THIS SUBNOTE DENOTES THAT NO EXISTING FACILITY DOCS WERE PROVIDED TO ARCHITECT AND THAT ANY EXISTING FOUNDATION CONDITIONS SHOWN WERE INTERPOLATED FROM PRESENCE OF EXISTING WORK. BUILDER (S) VERIFY SAME PRIOR TO STARTING WORK.
 - USE OF THIS SUBNOTE DENOTES NEED TO ??

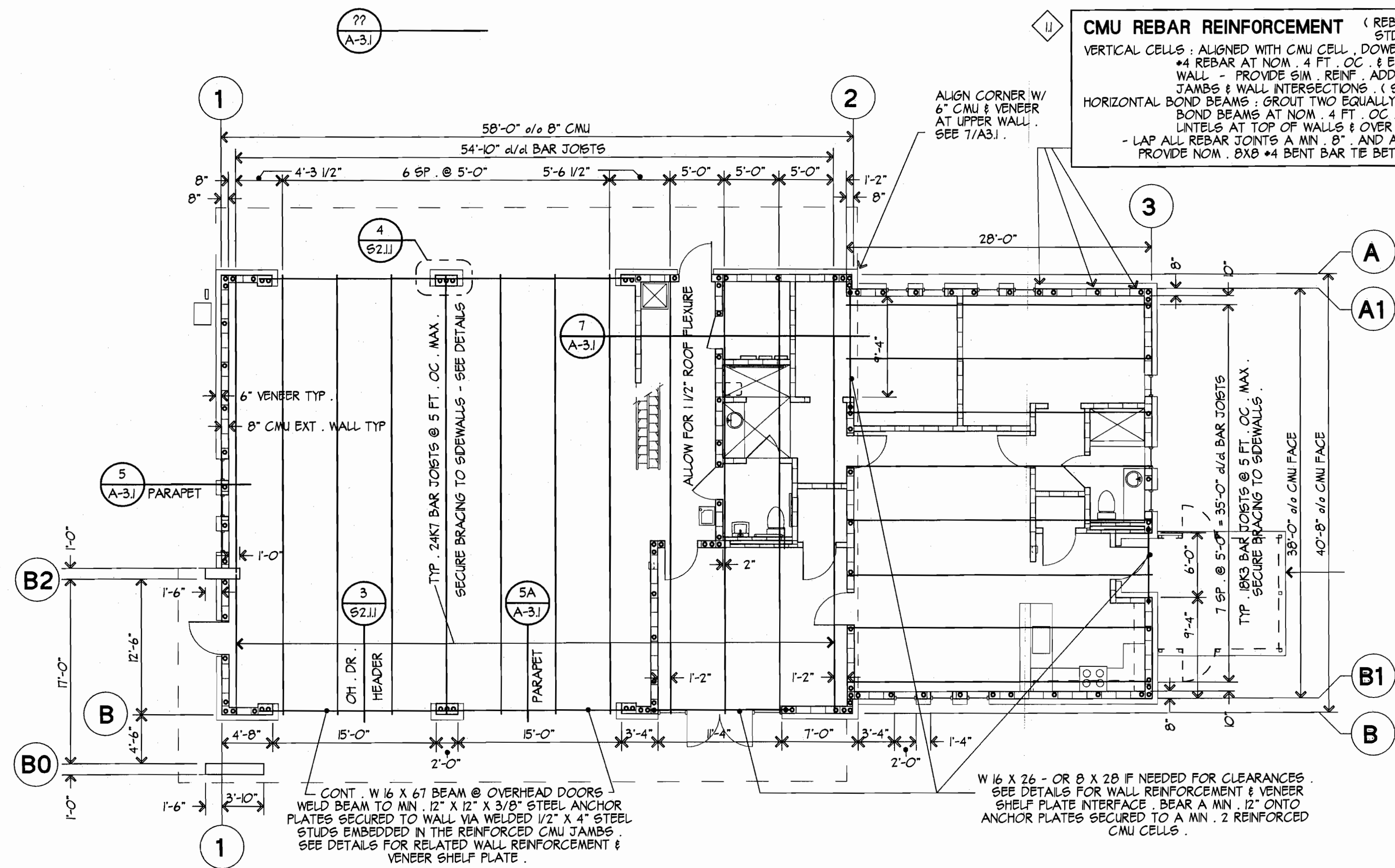
designer's seal
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STATION

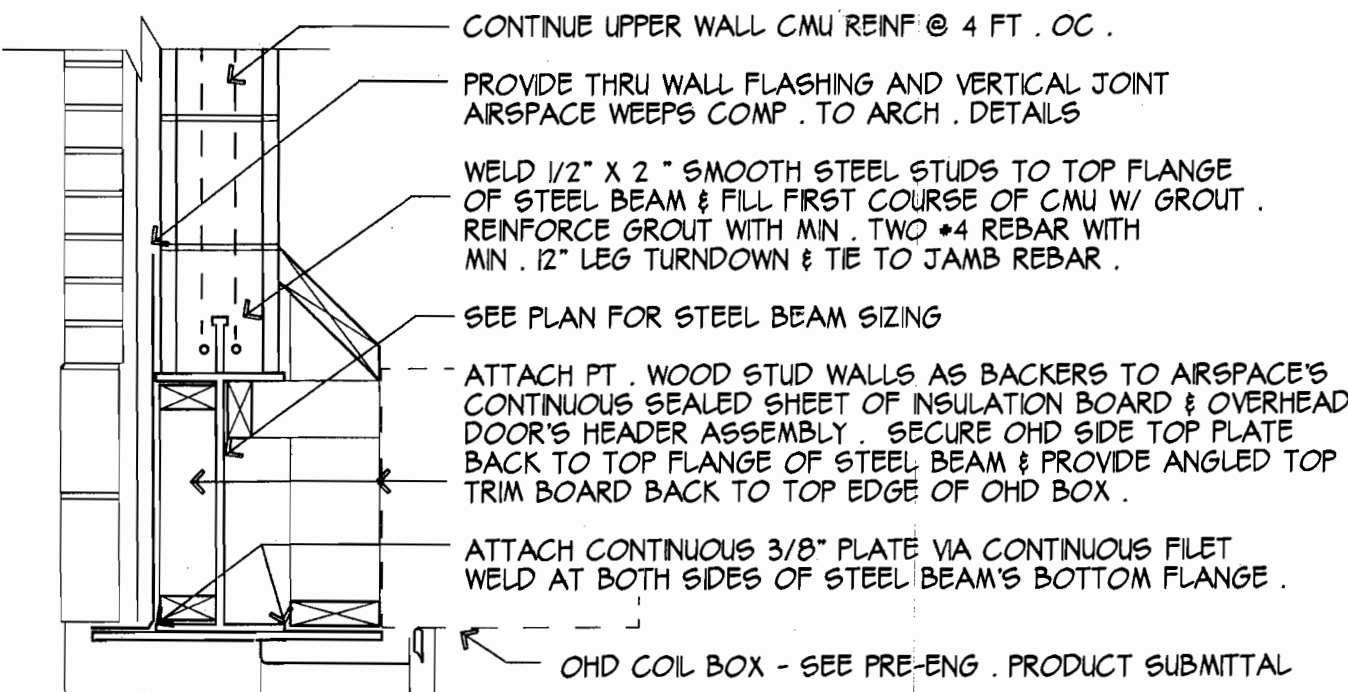
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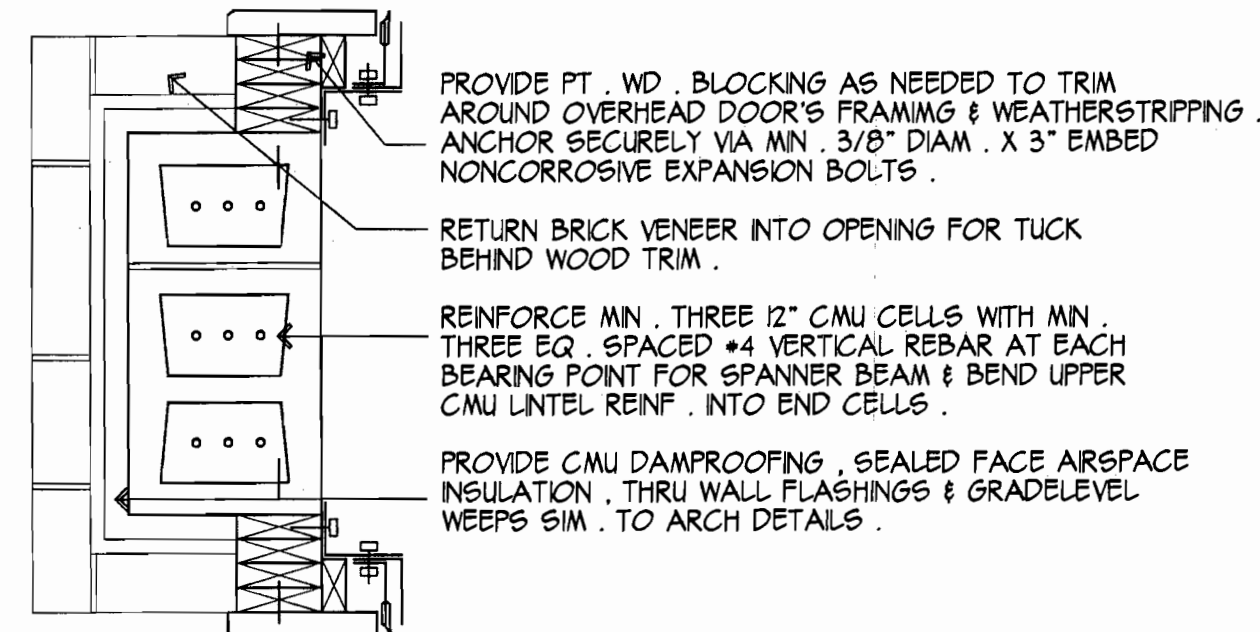


1 FRAMING PLAN
SCALE: 1/8" = 1' - 0"

- 12 WELD PLATES :
- AT CMU BEARING POINTS, COORDINATE MIN. 3/8" THICK SQUARE STEEL WELD PLATE SIZED TO MATCH CMU WIDTH.
 - AT BAR JOIST BEARING, WELD A MIN. 1/2" X 4" STEEL STUD TO BOTTOM OF PLATE & TIE TO CMU LINTEL REIN. BEFORE GROUTING.
 - OVER OPENINGS, WELD MIN. 1/2" X 2" STEEL STUD TO BOTTOM OF PLATE & EMBED INTO A REINFORCED JAMB DURING CELL GROUTING.
 - SECURELY WELD BOTH SIDES OF STEEL MEMBER VIA MIN. 1/4" FLET WELD FOR AT LEAST 1/2 WIDTH OF THE WELD PLATE.
- 2 BAR JOISTS :
- SEE BAR JOIST CALLOUTS ON PLAN. COORDINATE REQUIRED BRIDGING & STEEL DECKING.
- 3 BRIDGING & DECK EDGING :
- NOM. 2" X 2" X 1/4" STEEL ANGLES, SPACE BRIDGING AT NOM. 8 FT. OC. ANCHOR TO WALL VIA MIN. 3" EMBED OF 1/4" NONCORROSIVE EXPANSION BOLTS. POSITION BRIDGING & ANCHORS FOR OPTIMAL ALIGNMENT WITH REINFORCED CMU CELLS.
- 4 STEEL DECKING :
- NOM. 1 1/2" X 11" X 20 GA. PAINTED WIDE RB. SHEETS ATTACHED VIA MIN. 5/8" PUDDLE WELDS THRU MFR'S OPTIONAL WELD PLATES @ MAX. 12" OC.



3 OVERHEAD DOOR HEADER
SCALE: 1" = 1' - 0"



4 OVERHEAD DOOR JAMB
SCALE: 1" = 1' - 0"

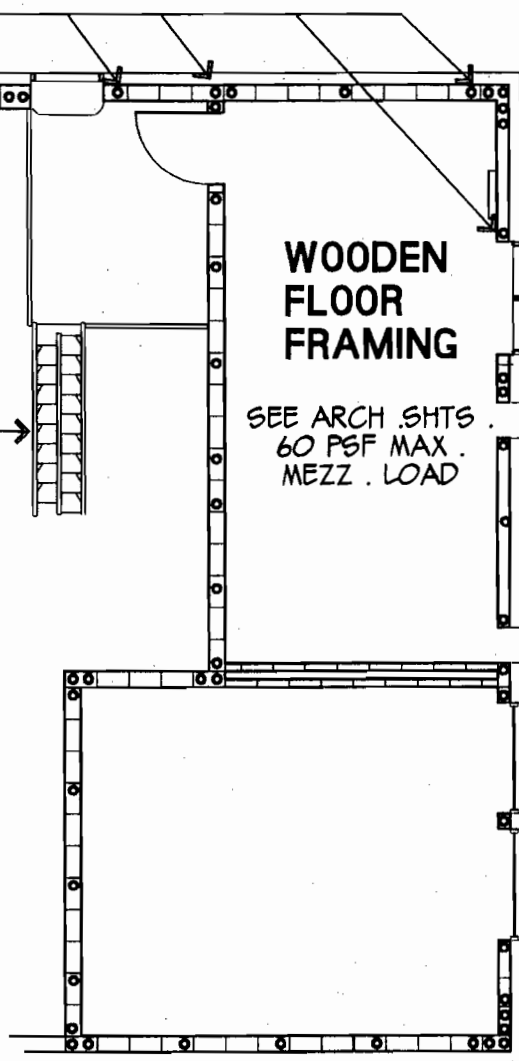
CMU REBAR REINFORCEMENT (REBAR REINFORCEMENT IS IN ADDITION TO THE STD. CMU JOINT REINFORCEMENT SPECIFIED)

VERTICAL CELLS: ALIGNED WITH CMU CELL, DOWEL INTO FOOTINGS TWO EQUALLY SPACED #4 REBAR AT NOM. 4 FT. OC. & EXTEND / GROUT SOLD TO TOP OF WALL - PROVIDE SIM. REIN. ADDITIONAL CELLS AT WALL OPENING JAMBS & WALL INTERSECTIONS. (SEE PLAN)

HORIZONTAL BOND BEAMS: GROUT TWO EQUALLY SPACED #4 REBAR INTO LINTEL BLOCK BOND BEAMS AT NOM. 4 FT. OC. - PROVIDE SIM. REIN. EXTRA LINTELS AT TOP OF WALLS & OVER WALL OPENINGS

- LAP ALL REBAR JOINTS A MIN. 8" AND AT WALL OPENINGS PROVIDE NOM. 8X8 #4 BENT BAR TE BETWEEN LINTEL AND JAMB.

ALTERNATING TREAD STEEL MEZZANINE STAIR & GUARDRAILS



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

GENERAL NOTES (FRAMING)

- SEE OUTLINE SPECS FOR BASIC INSTALLATION CONCERNS.
- SEE KEYED NOTES FOR MORE SPECIFIC INSTALL REQUIREMENTS.
- ABBREVIATIONS AND NOTE LISTINGS ARE PROTOTYPICAL IN NATURE AND MAY CONTAIN SOME REFERENCES NOT BEING USED FOR THIS PROJECT.
- COORDINATE ALL DIMENSIONING WITH LATEST EDITION OF ARCHITECTURAL FLOOR PLANS.
- MISCELLANEOUS FRAMING NOTES AS APPLICABLE:
 - SEE SPECS RE. STAMPED STRUCTURAL ENGINEER'S SUBMITTAL REQUIREMENTS.
 - CONTROL LINES MAY BE SHOWN DIAGRAMATICALLY AND GRAPHICS MAY HAVE BEEN OFFSET AND /OR ANGLED FOR CLARITY. SET ALL WORK TO NEAT AND STRAIGHT LINES.
- PRE-EXISTING CONDITIONS AS APPLICABLE:
 - WHERE DESIGNER HAS ATTEMPTED TO NOTE EXISTING CONDITIONS WITH AN "X" PREFIX, HE HAS BEEN INFORMED OF SUCH MATERIAL EITHER BEING IN PLACE OR SCHEDULED TO BE IN PLACE BY TIME OF WORK SHOWN HEREIN. NO MODIFICATIONS SHOWN ARE INTENDED TO SUBSTANTIALLY ALTER SUCH PREVIOUS DESIGN SOLUTIONS. FIELD VERIFY ALL CONDITIONS AND AT ANY QUESTIONABLE ELEMENT, PROVIDE OWNER WITH AN ALTERNATE FOR PLACING AND/OR CORRECTING SAME.
 - WHERE REMOVAL OF EXISTING FINISHES AND/OR PRODUCT(S) IS REQUIRED, COORDINATE REQUIRED DEMO, REMOVAL, TERMINATION AND/OR REPAIR/ROUTING OF EXISTING LINES ALONG WITH REFINISHING OF AREA TO MATCH PREEXISTING CONDITION. FLOOR FINISHES/PATTERNS ARE OFTEN AFFECTED BY BELOW SLAB PLUMBING SO PLAN WORK TO PRODUCE SMOOTH FINISHES SURROUNDING ANY CORING AND/OR SLAB REPLACEMENT AND THUS AVOID HAVING TO REWORK ANY UNEVEN FLOORING SUBSTRATE.
- PROVIDE OWNER WITH AS BUILT DOCUMENTS MARKED UP TO REFLECT ALL FINAL INSTALLATION COORDINATIONS.

KEYED NOTES (FRAMING)

- THE FOLLOWING KEYED NOTES AND SUBNOTES, WHEN PLACED IN PLAN AND RELATED DRAWINGS, ARE USED TO TRY AND KEEP GRAPHICS LESS CLUTTERED WHILE STILL REFERRING ONE TO MORE DETAILED PROJECT REQUIREMENTS.
- CMU WALLS: THIS NOTE DENOTES REQUIREMENT TO PROVIDE MIN. 8" CMU WALLS AS BEARING FOR STEEL JOIST FRAMING AND BUILDING ENCLOSURE. SEE FOUNDATION PLAN FOR NONBEARING 6" INTERIOR WALLS & THE FOLLOWING SUBNOTES RELATED TO CMU REINFORCEMENT & WELD PLATES:
 - CMU REINFORCEMENT: SEE BOXED NOTE THIS SHEET
 - WELD PLATES: SEE BOXED NOTE THIS SHEET
 - BAR JOISTS: SEE BOXED NOTE THIS SHEET
 - BRIDGING & DECKEDGING: SEE BOXED NOTE THIS SHEET
 - STEEL DECKING: SEE BOXED NOTE THIS SHEET



designer's seal

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project

PROTOTYPE EMS STATION

| SHEET ISSUE DATES | | 90% CD PROGRESS REVIEW | UPDATED 90% CD PROGRESS REVIEW | PERMIT REVIEW PRINTS |
|-------------------|--------|------------------------|--------------------------------|----------------------|
| 6/20/14 | 7/7/14 | 8/29/14 | | |

sheet name & number

FRAMING PLAN & DTLS.

S-2.1.1

SEE PLAN DIAGRAM'S KEYED
NOTES FOR RISER DESRIPTS
ON SINGLE STORY/ SIMPLE
INSTALLATIONS .

1
RISER DIAGRAM(S)
FOI SCALE: NTS

OUTLINE PLUMBING SPECS

A . BASIC CONDITIONS :

- DESIGN COORDINATION(S) : WHEN ENGINEERING SHEETS HAVE BEEN STAMPED BY ARCHITECT, THEY HAVE BEEN INCLUDED HEREIN SO THAT PERMIT DOCUMENT PREP. WILL EVIDENCE SUCH INCIDENTAL ENGINEERING NEEDS . BUILDER(S) MUST STILL CAREFULLY COORDINATE THE WORK SHOWN WITH ANY MORE DETAILED PROJECT REQUIREMENTS . OBTAIN APPLICABLE OWNER REP. APPROVAL OF FINAL MATERIALS BEING USED , INCLUDING ALL APPURTENANCE MANUFACTURER'S SPECIFIC OPTIONS , COLORS , TEXTURES , ACCESSORIES , ETC . - AND WHERE REQUIRED, PROVIDE SUBMITTALS STAMPED BY A TRADE APPROPRIATE ENGINEER , LICENSED TO PRACTICE IN PROJECT'S LOCALE .
- RELATED STANDARDS : STRUCTURAL WORK TO CONFORM WITH MINIMUM REQUIREMENTS ESTABLISHED IN THE LATEST EDITION OF THE INTERNATIONAL CODE CONGRESS STD'S , APPLICABLE INDUSTRY STANDARDS , LOCAL SUPPLEMENT(S) AND/ OR APPLICABLE AMENDMENT(S) .
- RELATED EQUIPMENT : COORDINATE WORK WITH RELATED TRADES . VERIFY THAT ANY OWNER EQUIPMENT SUPPLIER(S) HAVE PROVIDED APPLICABLE APPURTENANCE INFORMATION TO BE COORDINATED WITH WORK HEREIN . PROVIDE SAME TO ARCHITECT FOR POTENTIAL REFERENCE .
- LAYOUT(S) : WORK HEREIN SHOULD BE PLACED IN GENERAL CONFORMANCE WITH THE DIAGRAMMATIC LAYOUT(S) INDICATED BUT MAY NEED TO BE ADJUSTED FOR UNANTICIPATED FIELD CONDITIONS , ETC .
- TESTING : SEE OWNER'S BID INSTRUCTIONS FOR APPLICABLE TESTING COORDINATION REQUIREMENTS .
- SUSPECT CONDITIONS : REFER ANY SUSPECT CONDITIONS TO ARCHITECT . DO NOT PERFORM ALTERATIONS TO AN ENGINEERED PRODUCT AND/OR AN EXISTING BUILDING WITHOUT ARCHITECT'S APPROVAL OF THE PROPOSED WORK . IMPLEMENT ALL MEASURES NECESSARY TO AVOID ANY DAMAGE TO PRE - EXISTING CONDITIONS .
- MISC : SEE ARCHITECTURAL SHEET(S) FOR RELATED OUTLINE SPEC BASICS , WALL LAYOUTS , BASIC FINISHES INTERFACE , ETC .
- EXISTING WORK COORDINATION - WHEN APPLICABLE :
 - WHERE ARCHITECT HAS ATTEMPTED TO NOTE EXISTING CONDITIONS, HE HAS BEEN INFORMED OF SUCH MATERIAL EITHER BEING IN PLACE OR SCHEDULED TO BE IN PLACE BY TIME OF WORK SHOWN HEREIN . WHEN AVAILABLE, SEE PREVIOUS PERMIT DOCS . NO MODIFICATIONS SHOWN ARE INTENDED TO SUBSTANTIALLY ALTER SUCH PREVIOUS DESIGN SOLUTIONS . FIELD VERIFY ALL CONDITIONS AND AT ANY QUESTIONABLE ELEMENT, PROVIDE OWNER WITH AN ALTERNATE FOR PLACING AND/ OR CORRECTING SAME .
- AS BUILT DRAWINGS : PROVIDE OWNER & ARCHITECT WITH BOTH HARDCOPY AND DIGITAL COPY DESCRIPTIONS OF INSTALLED WORK .

B . BASIC MATERIALS :

DIV . 01 GENERAL (SEE ARCH SHTS)

DIV . 02 SITEWORK

- SITEWORK DESIGN BY OTHERS - SEE SEPARATE SITE DESIGN DOCUMENTS .
- ALL SOIL BEARING TO BE MIN . 2500 PSF - 95% PROCTOR . REPORT ANY SUSPECT CONDITION TO ARCHITECT .
- REPLACE ANY TRENCHED AREA TO MEET ORIGINAL BEARING AND PROCTOR .

DIV . 03 - 06 CARPENTRY

- SEE STRUCTURAL SHTS .

DIV . 07 - 14

- SEE ARCHITECTURAL SHTS .

DIV . 15 PLUMBING

- SANITARY SEWER :
 - PREFERRED SANITARY SEWER : PROVIDE MIN . CBPI 301-85 . SVC . WT . COMPRESSION GASKET CAST IRON BENEATH ANY SLAB ON GRADE , WITHIN 8 TO 5 FT. PAST ANY RATED WALL . PROVIDE UNIFORM SLOPE SUFFICIENT FOR SELF-CLEANING FLOW VELOCITY . COORDINATE SUFFICIENT INVERT DEPTH TO SERVICE MOST REMOTE CORNER OF ANY PLANNED PORTION OF FACILITY .
 - ALTERNATE SANITARY SEWER : PROVIDE UNIFORMLY SLOPED MIN . ASTM 2465 - 77 SOLVENT WELD SCHEDULE 40 PVC ABOVE SLAB & USE WITHIN 5 FT. OF ANY RATED WALL/ FLOOR PENETRATION LINE ONLY WHEN PLACED IN COORDINATION WITH A COMPLETE RATED PVC PIPE APPURTENANCE SYSTEM COMPARABLE TO "PROSET" OR "ILTI" PRODUCT(S) .
- MISC SANITARY SEWER :
 - FLOOR DRAINS : COORDINATE FLUSH CHROME PLATED BRASS FLOOR DRAINS WITH FLOOR FINISHES SELECTED BY OWNER . COORDINATE FUNNEL TOPS AS NEEDED TO COMPLIMENT ANY EQUIPMENT SELECTIONS AND PROPER FLASHING IF UNIT IS BEING PLACED ABOVE A USABLE SPACE BELOW . PROVIDE COMP . TO JR . SMITH 2000 SERIES FOR STD . COMMERCIAL USE & JRS 3000 SERIES FOR FOOD SERVICE , HOSPITAL & CHEMICAL EXPOSURE USE .
 - CLEANOUTS : UNO . PROVIDE WALL CLEANOUT & COVERS COMP . TO SMITH 9776 THREADED PLUG WITH BEVELED EDGE COVER PLATE AND SCREW . AT ANY FLOOR UNITS , PROVIDE ADJUSTABLE UNITS APPROPRIATE TO DRAIN OUTLET AND FLOORING/ REQD . FLASHING TYPE - COMP . TO SMITH 4051 POLISHED BRONZE SQUARE TOP UNIT .
 - FIXTURE CONNECTIONS : AT EXPOSED FIXTURE CONNECTIONS , TRANSITION TO RED BRASS FITTINGS W/ CHROME PLATED BRASS / ESCUTCHEONS AT ALL EXPOSED SURFACES . OFFSET OR INSULATE ALL EXPOSED TRAPS UNDERNEATH SINKS/ LAVATORIES FOR ANSI A117 (HANDICAPPED CODE) COMPLIANCE . SUBSTITUTE PVC DRAIN CONNECTIONS ONLY AT ANY NONRATED APPLICATION WHERE PIPING IS COVERED WITH ADA GUARD(S) .
 - INTERIOR OIL , GREASE AND/ OR SEDIMENT TRAPS : PROVIDE COMP . TO JR . SMITH 8000 SERIES .
- POTABLE WATER LINE(S) :
 - PROVIDE MIN . ASTM B-88-72 UNJOINTED TYPE "K" SOFT COPPER FOR WATER LINES BENEATH ANY SLAB ON GRADE .
 - PROVIDE MIN . ASTM B-88-72 JOINTED TYPE "L" HARD DRAWN COPPER W/ LONG RADIUS WROUGHT COPPER LEAD FREE SOLDERED FITTINGS FOR WATER LINES & CONDENSATE AT NON-BURED LOCATIONS . TRANSITION TO CHROME PLATED BRASS CUTOFFS & ESCUTCHEONS , COMP . TO MCGUIRE 167/ 2167 DEVICES @ EXPOSED FIXTURE WATER CONNECTIONS .
- GAS LINE(S) : PROVIDE MIN . ASTM A53 SCHED . 40 BLACK IRON PIPING W/ MALLEABLE IRON OR FORGED STEEL FITTINGS . ADD A COAL TAR WRAP AT BURIED LOCATIONS . ASSURE THAT A GAS VALVE COCK AND ANY REQD . PRESSURE REGULATOR , FLEX CONNECTION , ETC . IS IN PLACE AT ALL EQUIPMENT CONNECTIONS .
- FIXTURES :
 - SEE KEYED NOTES FOR FIXTURE DESRIPTS WHERE SIZE OF PROJECT DOES NOT WARRANT A MORE COMPLEX FIXTURE SCHEDULE .
 - ADA GUARD(S) : PROVIDE EXPOSED SINK AND LAVATORY WASTE & SUPPLY INSULATION / COVERS COMPARABLE TO " TRUEBRO LAVGUARD TWO " PRODUCTS .
 - TEMPERATURE LIMITS : WHERE REQUIRED , COORD . PLACEMENT OF PRODUCTS COMP . TO SYMMONS MAXLINE TLD .
 - FLOW LIMITS : WHERE REQUIRED , ASSURE GPF COMPLIANCE ON TOILETS / URINALS & PROVIDE SIMILAR LIMITED SHOWER & FAUCET FLOW AERATORS TO MEET LOCAL JURISDICTION REQMNTS .
 - FLOODSTOPS : WHERE INDIVIDUAL LEAK FLOODSTOP UNITS ARE REQUIRED , AT EACH WATER USAGE DEVICE , PROVIDE A COMPLETELY COORDINATED INSTALL OF MANUAL ISOLATION VALVES , ADDITIONAL ELECTRICAL CIRCUIT(S) FOR TRICKLE CHARGE - BATTERY POWERED LEAK DETECT & AUTO ISOLATION VALVE SYSTEM COMPARABLE TO " NEW GENERATIONS'S MODEL FS " (WHERE COMPLETE AREA SHUTDOWN IS REQUIRED , COORDINATE DASHICIAN OF DETECTORS WITH PRODUCT MANUFACTURER'S REP .)
- MISCELLANEOUS :
 - EQUIPMENT WALL BOX(S) : PROVIDE STD . 1/4 TURN HOSE BIBB(S) 1/2 ANTISIPHON DEVICE (WHERE REQD .) WITHIN A RECESSED RATED WALL BOX COMP . TO "PROSET FREGUARD" PRODUCT . CAREFULLY COORDINATE SO AS TO AVOID CUTTING STUD(S) AND OR MINIMAL CMU FACE . COORDINATE FINISH AND MOUNT HT . TO SUIT DRAIN & HOSE REQUIREMENTS AND/ OR OCCUPANT PREFERENCE .
 - CONDENSATE DRAIN(S) : SO AS TO AVOID LINE SAG , PROVIDE COPPER LINES COMP . TO THAT INDICATED FOR POTABLE WATER . COORDINATE WITH ALL EQUIPMENT SELECTIONS & UNIFORMLY SLOPE/ SECURE ANY REQUIRED CONDENSATE DRAIN . KEEP MIN . 1" AIR GAP BETWEEN ANY CONDENSATE DRIP AND ITS POINT OF EMPTYING INTO SEWER . PROVIDE TRAP & FUNNEL AT ANY SUCH SANITARY SEWER INTERFACE . PROVIDE BUG SCREEN AT END OF ANY CONDENSATE DRIFTED TO EXTERIOR .
 - BUILDING ENVELOPE PENETRATION(S) : ASSURE ALL PENETRATIONS ARE PROTECTED AGAINST ANIMAL , VERMIN , WEATHER HAZARDS , ETC . COORDINATE ANY NEW ROOF FLASHINGS WITH BLDG'S ROOF WARRANTY REQMNTS .
 - ANCHOR (S) : ANCHOR ALL PIPING & SHIELD ALL FRICTION POINTS ALONG PIPING . COORD . ANY ROOF CURBING/ ANCHORS AND/ OR PENETRATIONS WITH BLDG'S ROOF WARRANTY REQMNTS .
 - SUSPENSION(S) : PIPING PLACED IN ANY INTERSTITIAL SPACE(S) MUST CLEAR THE TOP OF ANY REMOVABLE CEILING ELEMENT BY A MIN . 1 FT. AND EITHER BE ANCHORED/ BRACED TO WALLS/ ROOF , OR SUSPENDED AT MAX . 5 FT . OC . BY LAYING PIPING IN SADDLE HANGERS SUSPENDED WITH MIN . 1/2" THREADED ROD . SUSPENDED ROD MUST BE EITHER BE LOCK BOLTED TO THE SADDLE & STRUCTURE ABOVE OR A MIN . 1 1/2" UNISTRUT CHANNEL THAT IS LIKEWISE LOCK BOLTED TO STRUCTURE . - UNO . ALL SUSPENDED PIPING MUST PRODUCE UNIFORM STRAIGHT LINES INTERSECTING AT 90 DEGREES .
 - OTHER APPURTENANCE : COORDINATE WITH OCCUPANT RE . ANY REQUIREMENT FOR OTHER APPURTENANCE SUCH AS PREFERENCE FOR ADDITIONAL TRAP PRIMERS , HEAT TAPE , ETC . PROVIDE HEAT TAPE & INSULATION WRAP AT ANY PIPING LOCATED WHERE IT IS POTENTIALLY EXPOSED TO FREEZING . COORD . ELECT . FEED TO SAME .

DIV . 16 - SEE ELECTRICAL SHEETS

designer's seal

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PROJECT

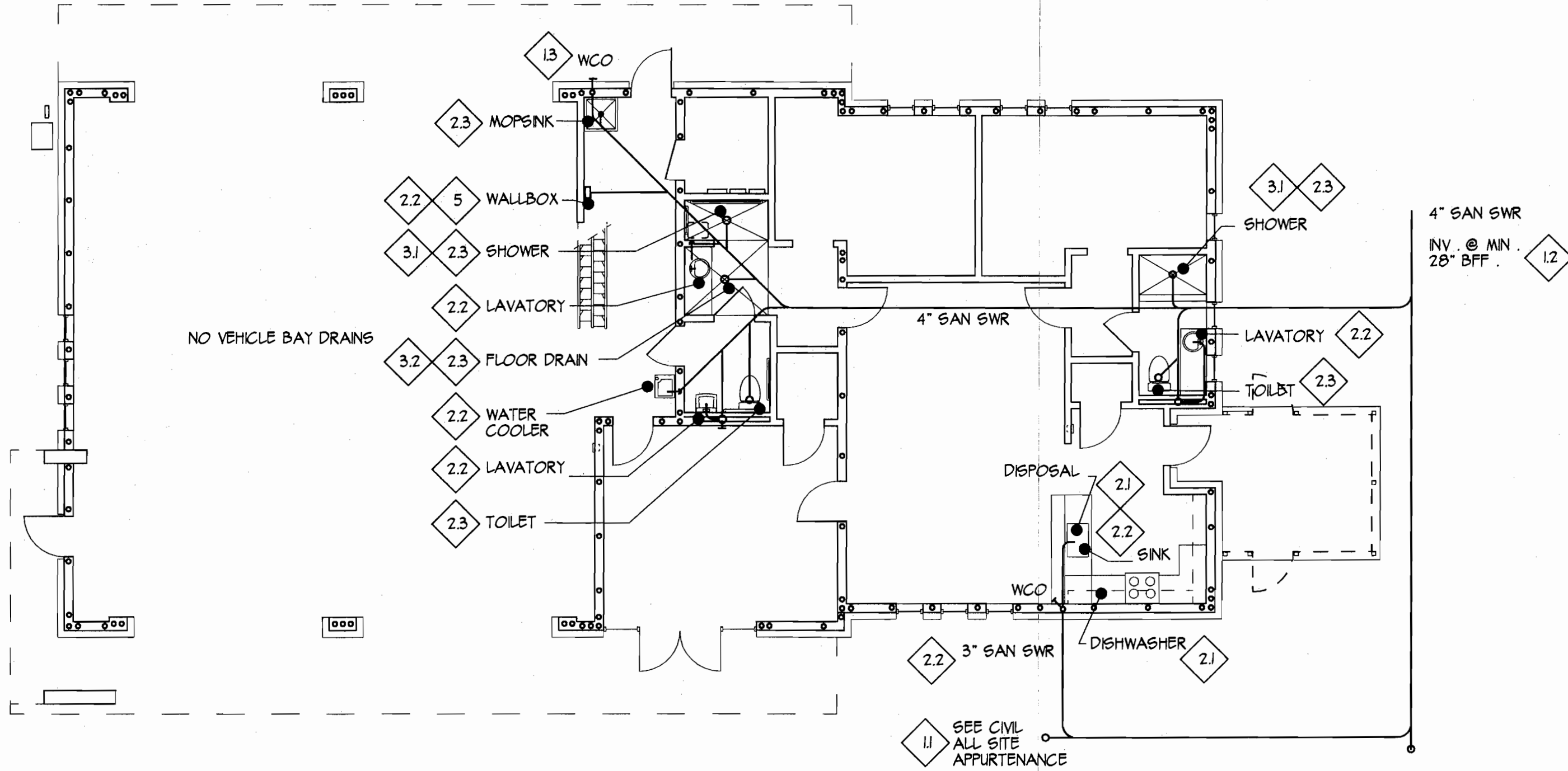
PROTOTYPE EMS
STATION

| SHEET ISSUE DATES | | | |
|-------------------|--------------------------------|--|--|
| 6/10/2014 | 90% CD PROGRESS REVIEW | | |
| 7/17/2014 | UPDATED 90% CD PROGRESS REVIEW | | |
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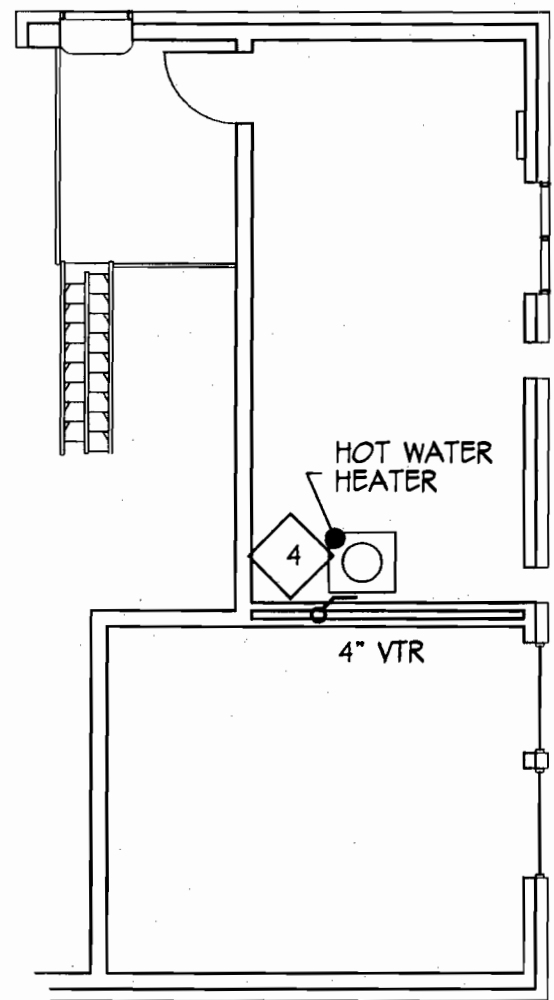
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PLUMBING BASICS
OUTLINE SPECS.

P-01



1 MAIN FLOOR LEVEL
P21 SCALE : 1/8" = 1' - 0"



2 MEZZANINE
P21 SCALE : 1/8" = 1' - 0"

FIXTURE TYPES - SEE SHT. P-2.1.1

ROOM NAMES & NUMBERS - SEE SHT. A-2.1

GENERAL NOTES (SAN. SWR.)

- SEE OUTLINE SPECS FOR BASIC INSTALLATION CONCERNS .
- SEE KEYED NOTES FOR MORE SPECIFIC INSTALL REQUIREMENTS .
- ABBREVIATIONS AND NOTE LISTINGS ARE PROTOTYPICAL IN NATURE AND MAY CONTAIN SOME REFERENCES NOT BEING USED FOR THIS PROJECT .
- BASIC CHARACTERISTICS OF OTHER TRADE WORK MAY BE SHOWN HEREON TO AID IN DESCRIBING THE OVERALL WORK REQUIREMENTS AT TIME OF THIS SHEET'S ISSUANCE . CONTRACTOR MUST CAREFULLY REVIEW AND COORDINATE FINAL WORK WITH LATEST EDITION OF OTHER SHEETS .
- MISCELLANEOUS DRAIN NOTES AS APPLICABLE :
 - COORDINATE WORK SO AS TO PROVIDE CONDENSATE DRAINS WHERE NEEDED .
 - COORDINATE ALL WORK WITH OWNER'S SPECIFIC EQUIPMENT SPECS
 - MAINTAIN AIRGAPS AND/OR VERIFY THE PRESENCE OF ANTI-SIPHON DEVICES, ETC., AT ANY LOCATION SUSCEPTABLE TO BACKFLOW OF POSSIBLE CONTAMINATES FROM DRAINS .
- EXISTING WORK COORDINATION - WHEN APPLICABLE :
 - WHERE ARCHITECT HAS ATTEMPTED TO NOTE EXISTING CONDITIONS WITH AN "X" PREFIX, HE HAS BEEN INFORMED OF SUCH MATERIAL EITHER BEING IN PLACE OR SCHEDULED TO BE IN PLACE BY TIME OF WORK SHOWN HEREIN . NO MODIFICATIONS SHOWN ARE INTENDED TO SUBSTANTIALLY ALTER SUCH PREVIOUS DESIGN SOLUTIONS . FIELD VERIFY ALL CONDITIONS AND AT ANY QUESTIONABLE ELEMENT, PROVIDE OWNER WITH AN ALTERNATE FOR PLACING AND/OR CORRECTING SAME .
 - WHERE REMOVAL OF EXISTING FINISHES AND/OR PRODUCT(S) IS REQUIRED, COORDINATE REQUIRED DEMO, REMOVAL, TERMINATION AND/ OR REPAIR/ REROUTING OF EXISTING LINES ALONG WITH REFINISHING OF AREA TO MATCH PREEXISTING CONDITION(S) . FLOOR FINISHES/ PATTERNS ARE OFTEN AFFECTED BY BELOW SLAB PLUMBING SO PLAN WORK TO PRODUCE SMOOTH FINISHES SURROUNDING ANY CORING AND/OR SLAB REPLACEMENT AND THUS AVOID HAVING TO REWORK ANY UNEVEN FLOORING SUBSTRATE .
- PROVIDE OWNER WITH AS BUILT DOCUMENTS MARKED UP TO REFLECT ALL FINAL INSTALLATION COORDINATIONS .

KEYED NOTES (SAN. SWR.)

- THE FOLLOWING KEYED NOTES AND SUBNOTES, WHEN PLACED IN PLAN AND RELATED DRAWINGS, ARE USED TO TRY AND KEEP GRAPHICS LESS CLUTTERED WHILE STILL REFERRING ONE TO MORE DETAILED PROJECT REQUIREMENTS .
- TRUNK LINE(S) : THIS MARK DENOTES LOCATION FOR MAIN SANITARY SEWER LINE(S) .
 - USE OF THIS SUBNOTE DENOTES NEED TO REFER TO CIVIL/ SITE DRAWINGS FOR ALL SITE APPURTENANCE
 - USE OF THIS SUBNOTE DENOTES NEED TO PLACE A MIN. 4" TRUNK LINE WITH AN INVERT SUFFICIENT TO ALLOW A FUTURE MIN. 1 FT. SOL. EMBED BURY DEPTH AT END OF A POSSIBLE TRUNK LINE EXTENSION TO MOST REMOTE POINT OF INTERIOR SPACE
 - USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE A MIN. 4" WALL CLEANOUT & VENT THRU ROOF AT MOST REMOTE POINT IN THE MIN. 4" TRUNK LINE BEING PLACED FOR THIS PROJECT .
 - LATERAL(S) & VENT RISERS : PROVIDE LATERALS AS FOLLOWS WITH SAME SIZE VENT AND/ OR RE-VENT SHOULD LATERAL EXCEED LENGTH ALLOWED BY CODE . OFFSET ANY VENT THRU ROOF A MIN. 2 FT. FROM ANY PARAPET OR ADJACENT ROOF APPURTENANCE .
 - DISHWASHER / FOOD DISPOSER : USE OF THIS SUBNOTE DENOTES NEED TO COORDINATE A MIN. 1 1/2" SINK DRAIN LATERALS WITH TAPS REQUIRED TO PROVIDE DRAINAGE FOR OWNER'S DISHWASHER & FOOD DISPOSAL UNIT(S) .
 - USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE A MIN. 2" LATERAL TO FIXTURE(S) . WHERE SHOWN, PROVIDE SAME OFF OF A MIN. 3" VENT RISER THRU ROOF .
 - USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE A MIN. 3" LATERAL TO FIXTURE(S) REQUIRING A 3" OUTLET . AT 2" OUTLET LOCATION(S) . PROVIDE 3" FOR THE VENT THRU ROOF AND TRANSITION TO 2" LATERAL(S) TO FIXTURE(S) .
 - USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE A MIN. 4" LATERAL TO FIXTURE(S) .
 - FLOOR DRAIN(S) : UNO . ASSURE HINGED NON-CORROSIVE TOPS/ FASTENERS W/ CIRCULAR FACE .
 - SHOWER(S) / VARIABLE FLOORING : USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE AN ADJUSTABLE TOP GRATE UNIT SUITABLE FOR SPECIFIED FLOOR
 - FIXED FLOORING : USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE A FIXED TOP UNIT .
 - SQUARE TOP : USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE A SQUARE TOP UNIT .
 - FUNNEL : USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE A FUNNEL TOP DRAIN ARRANGEMENT . SECURELY ANCHOR THE EQUIPMENT LINE EMPTYING INTO FUNNEL WITH AIRGAP REQUIRED TO MEET LOCAL HEALTH REGULATIONS .
 - CAN WASH : USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE A CANWASH DRAIN TO MEET LOCAL HEALTH REGULATIONS . PROVIDE A STOP VALVE FOR SPRAY WATER LINE AT AN OWNER APPROVED POINT WHERE THEIR SIGNAGE CAN BE COORDINATED WITH INSTRUCTIONS TO CLOSE VALVE DURING FREEZING EVENT(S) .
 - TRAP PRIMER(S) : PER OWNER REQUEST , NOT USED THIS PROJECT
 - HEAVY DUTY & VEHICULAR SERVICE AREA DRAINS : SEE APPLICABLE CIVIL ENGINEERING DOCUMENTS .
 - HOT WATER HEATER : THIS MARK DENOTES APPROXIMATE LOCATION OF A MIN. 2" TRAP/ DRAIN THAT IS TO BE PLACED WITH A 1" MIN. AIR GAP BENEATH THE PRESSURE RELIEF AND BASE PAN DRAINAGE FOR THE SPECIFIED HOT WATER HEATER . COORDINATE PLACEMENT OF ANY REQUIRED LIFTED BASE & ANTI-SIPHON TRAP PRIMER . SECURE ANY NONRIGID PRIMER DRIP VIA ZIP-TIES TO THE PRESSURE RELIEF PIPING . CENTERING AND SECURING SAME ASSEMBLY OVER A SIMILARLY SECURED TRAP TO PREVENT SPLASHING .
 - USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE A EDGE BANDED MIN. 2 X 8 @ 16" OC . FLOOR STRUCTURE FOR AN ABOVE FLOOR APPLICATION . PLACE SECONDARY PAN/ DRAIN ATOP A MIN. 3/4" PT . PLWYD FLOORING . WHEN POSSIBLE, PLACE BASE PLATFORM OVER MOP SINK AND ANCHOR SECURELY TO SIDE WALLS . SCREW MIN. 1/4" EYELETS INTO SIDEWALL AND TIE A MIN. 1/4" 300# ROPE ACROSS OPEN SIDE OF PLATFORM TO PREVENT TOPPLING OF UNIT DURING A SEISMIC EVENT .

- WALL BOX : THIS MARK DENOTES APPROXIMATE LOCATION OF A WALL BOX (WB) COMPARABLE TO A "PROSET FREGUARD UNIT". THIS BOX IS APPROVED, WHEN INSTALLED PER MANUFACTURER'S INSTRUCTIONS, FOR PLACEMENT IN A WALL UP TO A 2 HR. FIRE RATING .
 - COORDINATE MOUNTING HT. W/ OWNER
 - ASSURE THAT AN ANTI-SIPHON DEVICE IS PROVIDED
 - AT ANY RATED GPDW CAVITY WALL, ASSURE THAN REQUIRED HOLE SEAL IS ACHIEVED
 - AT EXTERIOR CMU WALL, CAREFULLY CUT AND REMOVE FACE OF CMU, ROUTE REQUIRED PIPING RECESSED IN WALL, COORDINATING SAME WITH ALL INSULATED WATER AND PRESSURIZED DRAIN LINES REQUIRED FOR THE EQUIPMENT SERVED AND WHERE APPLICABLE, REPLACE SAME CMU FACE TO ORIGINAL CONDITION IN ANY LOCATION THAT DOES NOT RECEIVE A FINISHED WALL PANEL COVERING .
 - USE IF THIS SUBNOTE DENOTES A WALL BOX (WB) LOCATION USED SOLELY FOR THE WATER LINE FEEDS FOR OWNER'S EQUIPMENT . DO NOT REMOVE FORCED DRAIN CONNECTION KNOCKOUT & INSTEAD, CLIP THE EQUIPMENT DRAINS TO THE FUNNEL DRAIN SHOWN .
- COMMERCIAL FOOD SERVICE : CAREFULLY COORDINATE AND PROVIDE HEALTH CODE COMPLIANT SANITARY SEWER DRAINS TO ALL APPLICABLE FOOD SERVICE EQUIPMENT
 - LARGE GREASE TRAP : USE OF THIS SUBNOTE DENOTES NEED TO SEE CIVIL/ SITE DESIGN DOCUMENTS .
 - SMALL GREASE TRAP : USE OF THIS SUBNOTE DENOTES THAT A SEALED/ SANITARY EQUIPMENT SPECIFIC INTERIOR GREASE TRAP IS REQUIRED . ARRANGE UNIT FOR READILY AVAILABLE SERVICE ACCESS DEEPLY LOCATED AWAY ANY FOOD PREP . AGLE - SUCH AS UNDER THE REQUIRED DRAIN TABLE ENDS OF PREP . SINKS . NOTE POSSIBLE NEED TO PROVIDE A LOW PROFILE OPTION .
- MISC. RENOVATION NOTES : (WHEN APPLICABLE)
 - USE OF THIS SUBNOTE AND RELATED DASHED LINES DENOTE AREA WHERE A STRUCTURAL BEAM EXISTS . OFFSET LINES INTO A NEARBY GPDW WALL PIPE CHASE SO AS TO AVOID POSSIBILITY OF DAMAGING SUCH ELEMENTS WITH POTENTIAL CORING AND/ OR SIMILAR DEMO
 - USE OF THIS SUBNOTE DENOTES AN AREA SUSPECTED OF NEEDING A RETROFIT HOLE CORE PLACED INTO REINFORCED CONCRETE ELEMENT(S) . BEFORE CORING, DETERMINE EXACT LOCATIONS OF REINFORCEMENT VIA MEANS SUCH AS SONAR LOCATION . NOTIFY ARCHITECT OF ANY REQUIRED OFFSETTING NEEDS FROM DIMENSIONS NOTED .

designer's seal

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project

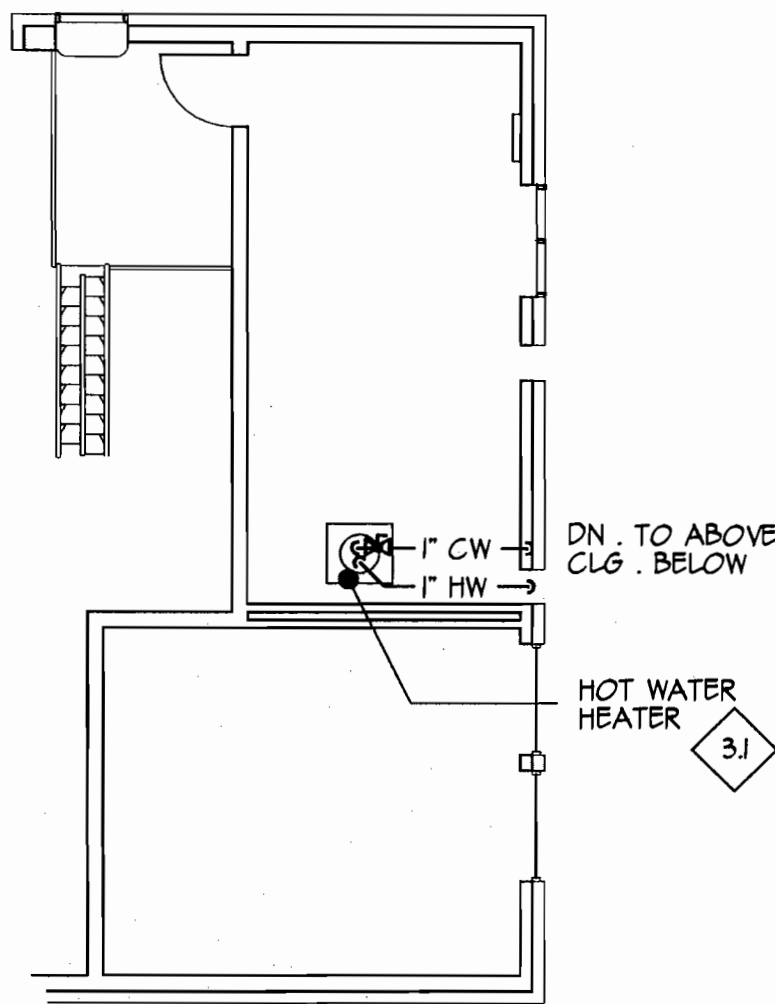
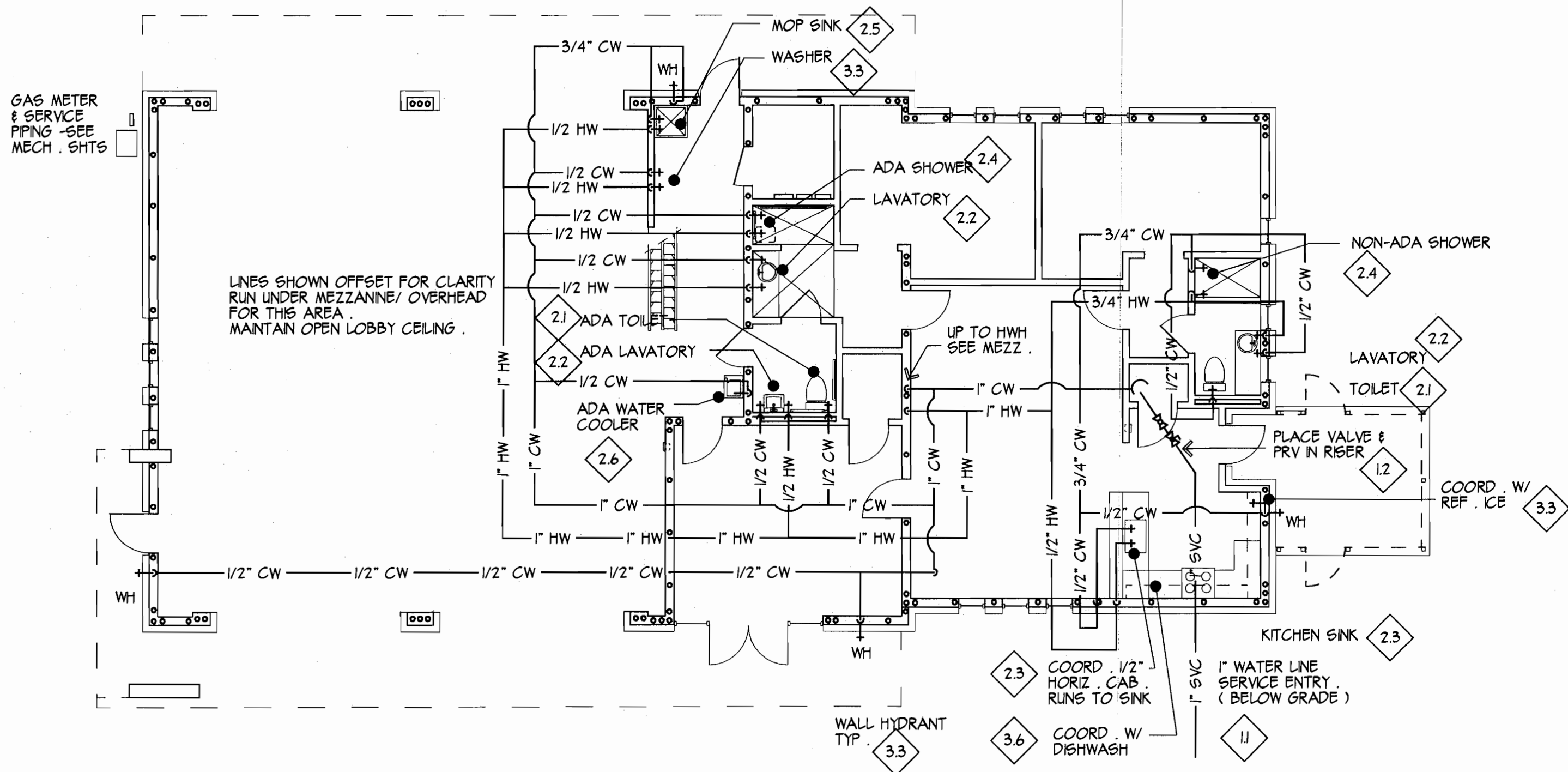
PROTOTYPE EMS STATION

| SHEET | ISSUE | DATES |
|---------|---------------------------------|-------|
| 6/20/14 | 50% CD PROGRESS REVIEW | |
| 7/1/14 | UPDATED 100% CD PROGRESS REVIEW | |
| 9/22/14 | PERMIT REVIEW PRINTS | |
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sheet name

PLUMB. SAN. SWR.

P-2.1



1 MAIN FLOOR LEVEL
P2.11 ORIG. SCALE: 1/8" = 1' - 0"

ROOM NAMES & NUMBERS - SEE SHT. A-2.1

GENERAL NOTES (GEN. PLUMB.G.)

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- BASIC CHARACTERISTICS OF OTHER TRADE WORK MAY BE SHOWN HEREON TO AID IN DESCRIBING THE OVERALL WORK REQUIREMENTS AT TIME OF THIS SHEET'S ISSUANCE. CONTRACTOR MUST CAREFULLY REVIEW AND COORDINATE FINAL WORK WITH LATEST EDITION OF OTHER SHEETS.
- MISCELLANEOUS GEN. PLUMBING NOTES AS APPLICABLE:
 - VERIFY ACCEPTABILITY OF EXISTG. POTABLE WATER SUPPLY. THAT NO FURTHER TREATMENT AND/OR FILTRATION IS NEEDED AND THAT POINT OF SERVICE BACKFLOW PREVENTION IS IN PLACE FOR ANY APURTENANCE WHERE WATER NOZZLE CAN BE REMOVED AND/OR REPOSITIONED IN STANDING WATER.
 - PIPING LINES MAY BE SHOWN DIAGRAMMATICALLY AND ARE OFTEN OFFSET AND /OR ANGLED FOR CLARITY. UNDO. SET WORK TO NEATLY SECURED & PERPENDICULAR LINES.
 - UNDO. CONCEAL ALL LINES. ROUTE IN A CONTROLLED ENVIRONMENT AREA, AND KEEP ALL VALVES, ETC. AS ACCESSIBLE AS POSSIBLE.
 - COORDINATE ALL WORK WITH OWNER'S SPECIFIC EQUIPMENT SPECS.
 - WHERE REMOVAL OF EXISTING FINISHES AND/OR PRODUCT(S) IS REQUIRED, COORDINATE REQUIRED DEMO, REMOVAL, TERMINATION AND/OR REPAIR/ROUTING OF EXISTING LINES ALONG WITH REFINISHING OF AREA TO MATCH PREEXISTING CONDITION. E. FLOOR FINISHES/PATTERNS ARE OFTEN AFFECTED BY BELOW SLAB PLUMBING SO PLAN WORK TO PRODUCE SMOOTH FINISHES SURROUNDING ANY CORING AND/OR SLAB REPLACEMENT AND THUS AVOID HAVING TO REWORK ANY UNEVEN FLOORING SUBSTRATE.
- RENOVATION NOTES: (WHEN APPLICABLE)
 - WHERE ARCHITECT HAS ATTEMPTED TO NOTE EXISTING CONDITIONS WITH AN "X" PREFIX, HE HAS BEEN INFORMED OF SUCH MATERIAL EITHER BEING IN PLACE OR SCHEDULED TO BE IN PLACE BY TIME OF WORK SHOWN HEREIN. NO MODIFICATIONS SHOWN ARE INTENDED TO SUBSTANTIALLY ALTER SUCH PREVIOUS DESIGN SOLUTIONS. FIELD VERIFY ALL CONDITIONS AND AT ANY QUESTIONABLE ELEMENT, PROVIDE OWNER WITH AN ALTERNATE FOR PLACING AND/OR CORRECTING SAME.
 - VERIFY SUFFICIENCY OF EXISTING SYSTEM(S).
 - WHERE REMOVAL OF EXISTING FINISHES AND/OR PRODUCTS IS REQUIRED, COORDINATE REQUIRED DEMO, REMOVAL, AND/OR REPAIR/ REROUTING OF EXISTING LINES ... ALONG WITH REFINISHING OF AREA TO MATCH PRE-EXISTING CONDITIONS.
- PROVIDE OWNER WITH AS BUILT DOCUMENTS MARKED UP TO REFLECT ALL FINAL INSTALLATION COORDINATIONS.

KEYED NOTES (GEN. PLUMB.G.)

- THE FOLLOWING KEYED NOTES AND SUBNOTES, WHEN PLACED IN PLAN AND RELATED DRAWINGS, ARE USED TO TRY AND KEEP GRAPHICS LESS CLUTTERED WHILE STILL REFERRING ONE TO MORE DETAILED PROJECT REQUIREMENTS.
1. SERVICE ENTRY: THIS MARK DENOTES LOCATION FOR MAIN POTABLE WATER LINE SERVICE ENTRY.

 - USE OF THIS SUBNOTE DENOTES NEED TO REFER TO CIVIL/ SITE DRAWINGS FOR ALL SITE APURTENANCE SUCH AS METERS AND/ OR VALVES.
 - USE OF THIS SUBNOTE DENOTES DENOTES NEED TO PLACE A MIN. 1" TRUNK LINE UNDER FLOOR AND TURN UP IN PANTRY CLOSET AS ENTRANCE TO BUILDING. UNLESS PROVIDED ELSEWHERE, PLACE SAME SIZE PRESSURE GATE VALVE, PRESSURE REDUCING VALVE AND DOUBLE BACKFLOW PREVENTER IN SERVICE RIGER.
 2. FIXTURES & PIPING:

 - WATER CLOSETS: USE OF THIS SUBNOTE DENOTES REQUIREMENT FOR A MIN. 1" VALVED COLD WATER LINE TO BE CONNECTED TO A FLUSH VALVE/ESCUTCHEON COMPARABLE TO SLOAN ROYAL IS SET TO AN ADA (17" HT.) TOILET COMP. TO AN AMERICAN STD. CADET (17" TYPE) WITH AN ELONGATED BOWL OPEN FRONT SEAT COMP. TO CHURCH 1500C.
... AT LOCATIONS WHERE A 1" WTR. LINE IS NOT SHOWN, PROVIDE A 1/2" COLD WATER LINE TO A STD. ANGLE STOP/ESCUTCHEON - AS FEED TO A NEW TANK TYPE TOILET COMP. TO AMERICAN STD. CADET (TANK TYPE) WITH AN ELONGATED BOWL OPEN FRONT SEAT COMP. TO CHURCH 1500C. 17" HT. (ADA) COMPLIANCE REQUIRED.
 - LAVATORIES (S) : USE OF THIS SUBNOTE DENOTES LOCATION (S) WHERE 1/2" HOT AND COLD WATER LINES ARE TO SUPPLY STD. ANGLE STOP/ ESCUTCHEONS UNDERNEATH A NEW LAVATORY:
 - WALL HUNG DEVICES: PROVIDE A UNIT COMP. TO AMERICAN STD. "DECLYN" SERIES.
 - AT STUD WALLS COORDINATE MATCHING CARRIER.
 - COUNTERTOP DEVICES: PROVIDE A UNIT COMP. TO AMERICAN STD. "?? " SERIES.
 - COMPOSITE COUNTERTOP DEVICES: COORDINATE TO BE CAST INTEGRAL WITH COMPOSITE TOP.EQUIP ALL UNITS WITH A LEVER HANDLED FAUCET COMP. TO AMERICAN STD. "HERITAGE" DEVICE WITH A GRID STRAINER (NO POP UP). MOUNT PER ADA DIMENSIONS. SEE SPECS RE. EXPOSED ADA PIPING COVER(S).
 - COUNTER MOUNT SINKS: USE OF THIS SUBNOTE DENOTES LOCATION (S) WHERE 1/2" HOT AND COLD WATER LINES ARE TO SUPPLY STD. ANGLE STOP/ ESCUTCHEONS UNDERNEATH A NEW SINK:
 - SINGLE BOWL DEVICES: PROVIDE A STAINLESS STEEL UNIT COMP. TO MOEN MODEL 22127 (NOM. 17" WIDTH X 22" COUNTER DEPTH X 7" BOWL DEPTH).
 - DOUBLE BOWL DEVICES: PROVIDE A STAINLESS STEEL UNIT COMP. TO MOEN MODEL 22129 (NOM. 32" WIDTH X 22" COUNTER DEPTH X 5" BOWL DEPTH).EQUIP ALL UNITS WITH A SINGLE LEVER, GOOSENECK SPOUT DECKMOUNT FAUCET AND SPRAY COMP. TO A MOEN MODEL 838 & MFR. STD. GRID OFFSET STRAINER DRAIN WASTE. COORD. SIM. MFR. SIZED LATERAL LINE(S) AND STOPS TO ANY ADJACENT EQUIPMENT.
 - SHOWERS: USE OF THIS SUBNOTE DENOTES LOCATION (S) WHERE 1/2" HOT AND COLD WATER LINES ARE TO SUPPLY SHOWER(S) PER THE FOLLOWING:
 - COMMERCIAL ADA UNIT: A PRE-MANUFACTURED SURFACE MOUNT BOX COMP. TO THE BRADLEY UNIT SHOWN ON ADA DIAGRAMS.
 - TYPICAL SHOWER UNIT: MORE TRADITIONAL MIXING VALVE COMP. TO AMERICAN STD. 1662.223 AND ITS 2.5 GPM LEVER HANDLE DEVICE WITH DUAL HEAD/ LEVER HANDLE DIVERTER & ADJUSTABLE BAR MOUNTED/ HAND HELD METAL FLEX HOSE SHOWER HEAD.
 - PRE-ENG. SHOWER STALLS: USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE A PRE-MANIF. FULLY ACCESSORIZED MIN. 36" X 36" (APP. 42 X 36 ROUGH) ADA COMPLIANT ACRYLIC TRANSFER SHOWER UNIT, HANDHELD SHOWER MIXING VALVE, FOLDING SEAT & GRAB BAR(S), COLLAPSIBLE TUB/OLD WATER RETENTION, ETC. COMPARABLE TO FREEDOM SHOWERS/ ACCESSABILITY PROFESSIONAL. 180 B75 (30 YR WARRANTY PRODUCT).
 - MOP SINK(S) : USE OF THIS SUBNOTE DENOTES LOCATION WHERE 1/2" HOT AND COLD WATER LINES ARE TO SUPPLY A MOP SINK/ WALL BRACED ANTI-SIPHON FAUCET COMP. TO WILLIAMS "SERVICECTOR" EQUIPPED W/ A GRID STRAINER DRAIN, A T-10-VB BRACED WALL FAUCET, A T-35 HOSE & WALL HOOK, A T-40 STAINLESS STEEL MOP HANGER, & A MFR'S STD. STAINLESS STEEL WALL SPLASH PANEL. COORDINATE ACCESSORY LOCATION PER OWNER PREFERENCE.
 - WATER COOLER: USE OF THIS SUBNOTE DENOTES LOCATION WHERE A 1/2" COLD WATER LINE AND WALL STOP NEEDS TO BE PROVIDED TO A WATER COOLER COMP. TO HALSEY TAYLOR HVR ADA SERIES (VADAL RESISTANT). FIELD COORDINATE A FROST RESISTANT UNIT OPTION AT ANY AREA SUBJECT TO COLD AIR INTRUSION & A FILTER OPTION AT ANY UNIT SUBJECT TO A NON-TREATED POTABLE WATER SUPPLY.
 - OPCI WALL MOUNT SINKS & FAUCETS: USE OF THIS SUBNOTE DENOTES LOCATION (S) WHERE OWNER AN OWNER FURNISHED ITEM IS TO BE INSTALLED BY BUILDER. PROVIDE ALL LINE CONNECTIONS STOPS AND TRAPPED DRAIN CONNECTIONS AS PER APPLICABLE DEVICE DESCRIBED ABOVE.

3. RELATED APURTENANCE:

 - STD. HOT WATER HEATER: USE OF THIS SUBNOTE DENOTES NEED TO INTEGRATE MIN. 3/4" WATER LINES TO A HIGH EFFICIENCY ELECTRIC COMMERCIAL GRADE 65 GALLON HOT WATER HEATER COMPARABLE TO ONE OF AO SMITH CONSERVATIONIST SERIES UNITS. VERIFY WITH OWNER THAT 60GPH AT 100 DEGREE TEMP. RISE IS SUFFICIENT CAPACITY. PROVIDE EMERGENCY RELIEF VALVE & PIPE TO NEARBY DRAIN. SEE SAN. SEWER DIAGRAM.
 - SHOULD GAS UNIT BE PREFERRED, COORD. A LO-NOX INDUCED VENT PLACEMENT & MIN. 1/2" VALVED NATURAL GAS LINE, WITH MECH. TRADES. WHEN RECOMMENDED BY MANUFACTURER, PROVIDE THEIR THERMAL EXPANSION TANK OPTION.
 - STUBBY AND/OR INSTA-HOT WATER HEATER(S) : NOT USED.
 - EQUIPMENT WALL BOX: USE OF THIS SUBNOTE DENOTES LOCATION (S) WHERE MIN. 1/2" COLD WATER LINE (ALSO HOT WHERE NOTED) IS TO SUPPLY A 1/4" TURN VALVE FOR OWNER FURNISHED EQUIPMENT SUCH AS ICEMAKER AND/ OR WASHING MACHINE. COORD. WITH ANY DRAIN SHOWN ON SAN. SWR. DIAGRAM.
 - MED. GAS WALL BOX: USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE A GAS VALVE MFR. APPROVED WALL BOX - INSTALLED FOR ANCHORING OF OF/ OI MEDICAL GAS SYSTEM(S). COORDINATE W/ OWNER RE. REQUIRED BUILDER INTERFACE ... ESP AT ANY FLEX HOSE MASK DROPS, ETC.
 - WALL HYDRANT: USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE A RECESSED WALL HYDRANT WITH LOCKING DOOR COMPARABLE TO WOODFORD B65P. COORD. STEM DEPTH WITH MAX. AVAILABLE WALL DEPTH.
 - DEWASHER AND/ OR ICEMAKER: PROVIDE MFR. RECOMMENDED TAP & CUTOFF FROM NEAREST AVAILABLE POTABLE WATER LINE.
4. MISC. RENOVATION NOTES: (WHEN APPLICABLE) SERVICE ENTRY(ES) EXISTING SERVICE IS REPORTEDLY IN PLACE AND ADAPTABLE TO NEW OCCUPANT CONFIGURATIONS DESCRIBED HEREIN. VERIFY SUFFICIENT CAPACITIES, BURY DEPTHS, BACKFLOW PREVENTION, ETC. ADAPT AND EXTEND EXISTING LAYOUT TO THE NEW LAYOUT SHOWN.

 - USE OF THIS SUBNOTE DENOTES APPROX. LOCATION OF EXISTG. BELOW GRADE DOMESTIC POTABLE WATER TRUNK LINE FROM METER.
 - USE OF THIS SUBNOTE DENOTES APPROX. LOCATION OF EXISTG. BELOW GRADE NATURAL GAS TRUNK LINE FROM METER.
 - USE OF THIS SUBNOTE DENOTES NEED TO COORDINATE WITH LANDLORD/ RENTAL MGMT. FOR TAPPING/ EXTENDING OF EXISTING WATER, AND GAS LINE IF APPLICABLE, SO AS TO NOT IMPEDE ANY METER AND/OR REMOTE READER.
 - USE OF THIS SUBNOTE DENOTES THAT NO EXISTING FACILITY DOCS WERE PROVIDED TO ARCHITECT AND THAT THE EXISTING TRUNK LINE LOCATION(S) WERE INTERPOLATED FROM PRESENCE OF METERS AND/ CONTROL VALVES, ETC. VERIFY SAME PRIOR TO STARTING WORK.

designer's seal

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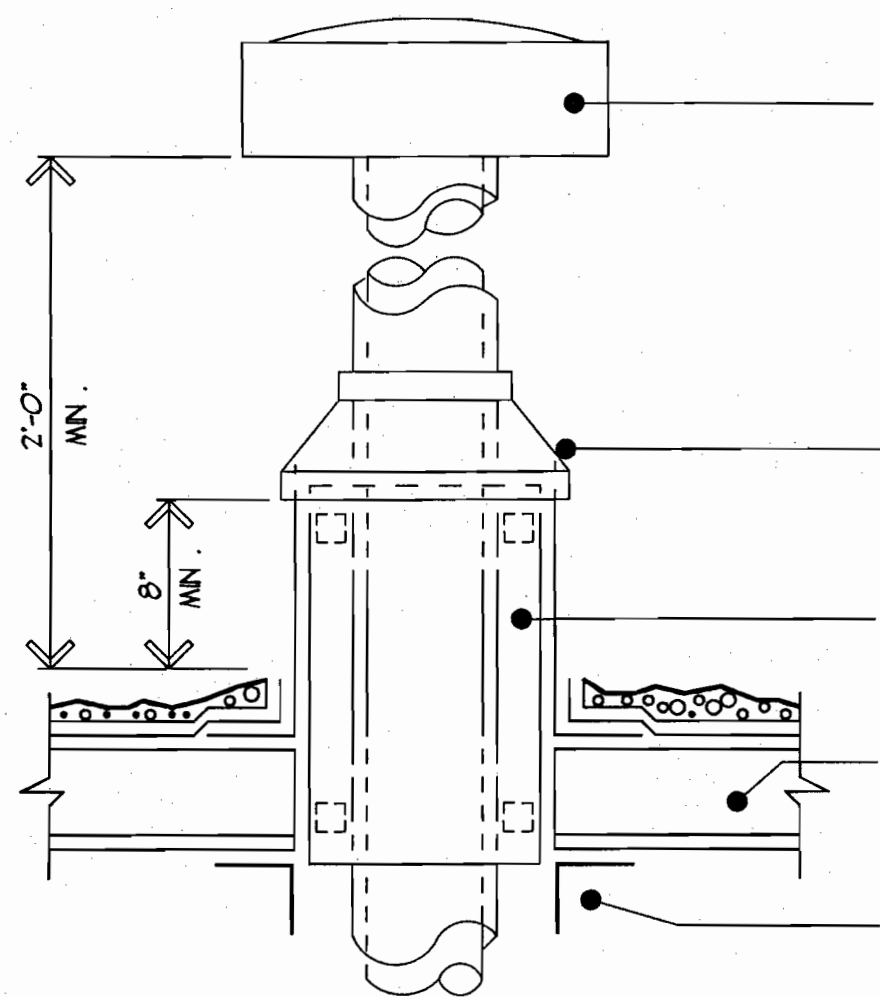
PROTOTYPE EMS STATION

| SHEET | ISSUE DATES |
|-----------|--------------------------------|
| 6/20/14 | 90% CD PROGRESS REVIEW |
| 7/17/14 | UPDATED 90% CD PROGRESS REVIEW |
| 9/12/2014 | PERMIT REVIEW PRINTS |

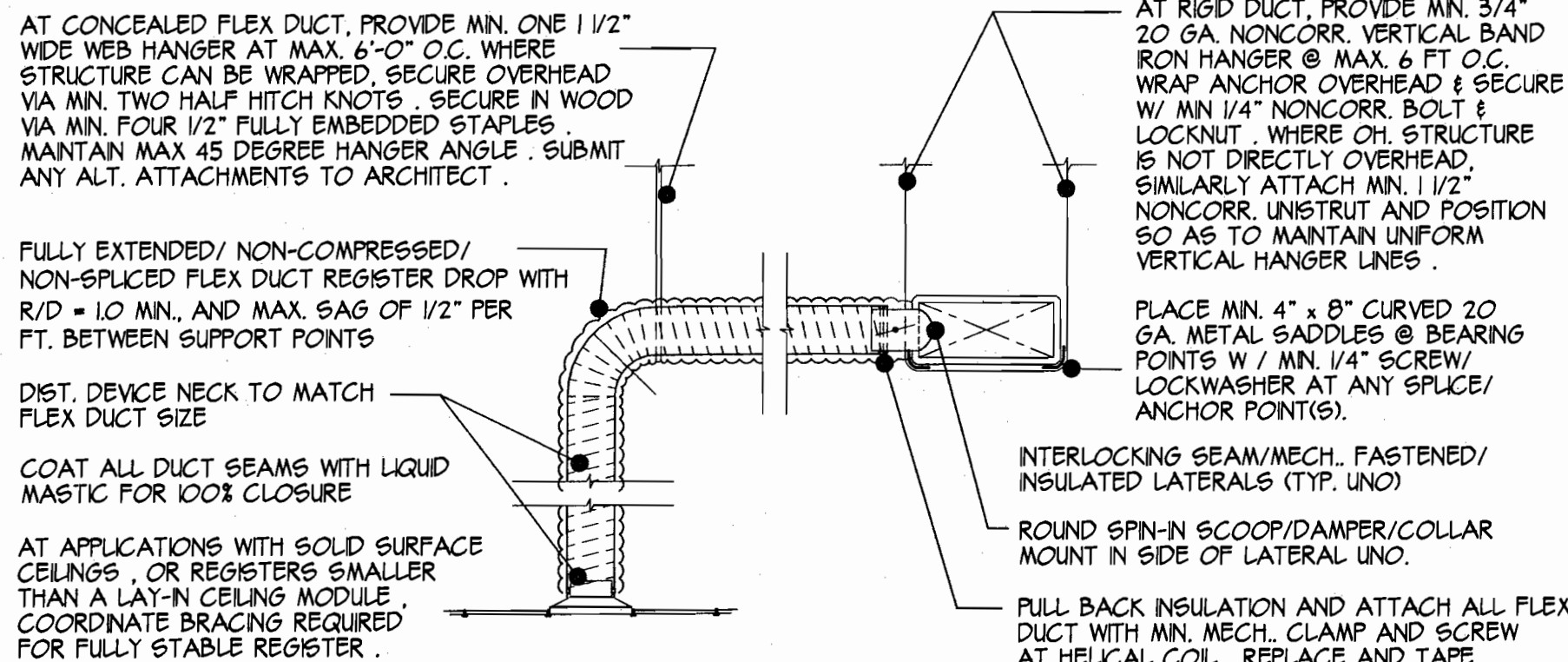
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PLUMB.G. FIXT. & PIPING

P-2.1.1



2 GAS HEATER FLUE DIAGRAM
M-01 NOT TO SCALE



1 FLEX DUCT DIAGRAM
M-01 NOT TO SCALE

OUTLINE HVAC SPECS.

A. BASIC CONDITIONS :

- DESIGN COORDINATION (S) : WHEN ENGINEERING SHEETS HAVE BEEN STAMPED BY ARCHITECT, THEY HAVE BEEN INCLUDED HEREIN SO THAT PERMIT DOCUMENT PREP. WILL EVIDENCE SUCH INCIDENTAL ENGINEERING NEEDS. BUILDER(S) MUST STILL CAREFULLY COORDINATE THE WORK SHOWN WITH ANY MORE DETAILED PROTECT REQUIREMENTS. OBTAIN APPLICABLE OWNER REP. APPROVAL OF FINAL MATERIALS BEING USED, INCLUDING ALL APPURTENANCE MANUFACTURER'S SPECIFIC OPTIONS, COLORS, TEXTURES, ACCESSORIES, ETC. - AND WHERE REQUIRED, PROVIDE SUBMITTALS STAMPED BY A TRADE APPROPRIATE REGISTERED ENGINEER, LICENSED TO PRACTICE IN PROJECT'S LOCALE.
- RELATED STANDARDS : STRUCTURAL WORK TO CONFORM WITH MINIMUM REQUIREMENTS ESTABLISHED IN THE LATEST EDITION OF THE INTERNATIONAL CODE CONGRESS STD'S, APPLICABLE INDUSTRY STANDARDS, LOCAL SUPPLEMENT(S) AND/ OR APPLICABLE AMENDMENT(S).
- RELATED EQUIPMENT : COORDINATE WORK WITH RELATED TRADES. VERIFY THAT ANY OWNER EQUIPMENT SUPPLIER(S) HAVE PROVIDED APPLICABLE APPURTENANCE INFORMATION TO BE COORDINATED WITH WORK HEREIN. PROVIDE SAME TO ARCHITECT FOR POTENTIAL REFERENCE.
- LAYOUT(S) : WORK HEREIN SHOULD BE PLACED IN GENERAL CONFORMANCE WITH THE DIAGRAMMATIC LAYOUT(S) INDICATED BUT MAY NEED TO BE ADJUSTED FOR UNANTICIPATED FIELD CONDITIONS, ETC.
- TESTING : SEE OWNER'S BID INSTRUCTIONS FOR APPLICABLE TESTING COORDINATION REQUIREMENTS.
- SUSPECT CONDITIONS : REFER ANY SUSPECT CONDITIONS TO ARCHITECT. DO NOT PERFORM ALTERATIONS TO AN ENGINEERED PRODUCT AND/OR AN EXISTING BUILDING WITHOUT ARCHITECT'S APPROVAL OF THE PROPOSED WORK. IMPLEMENT ALL MEASURES NECESSARY TO AVOID ANY DAMAGE TO PRE - EXISTING CONDITIONS.
- MISC. : SEE ARCHITECTURAL SHEET(S) FOR RELATED OUTLINE SPEC BASICS, WALL LAYOUTS, BASIC FINISHES INTERFACE, ETC.
- EXISTING WORK COORDINATION - WHEN APPLICABLE :
1. WHERE ARCHITECT HAS ATTEMPTED TO NOTE EXISTING CONDITIONS, HE HAS BEEN INFORMED OF SUCH MATERIAL EITHER BEING IN PLACE OR SCHEDULED TO BE IN PLACE BY TIME OF WORK SHOWN HEREIN. WHEN AVAILABLE, SEE PREVIOUS PERMIT DOCS. NO MODIFICATIONS SHOWN ARE INTENDED TO SUBSTANTIALLY ALTER SUCH PREVIOUS DESIGN SOLUTIONS. FIELD VERIFY ALL CONDITIONS AND AT ANY QUESTIONABLE ELEMENT, PROVIDE OWNER WITH AN ALTERNATE FOR PLACING AND/ OR CORRECTING SAME.
- AS BUILT DRAWINGS : PROVIDE OWNER & ARCHITECT WITH BOTH HARDCOPY AND DIGITAL COPY DESCRIPTIONS OF INSTALLED WORK.

B. BASIC MATERIALS :

DIV. 01 GENERAL (SEE ARCH SHTS)

DIV. 02 SITEWORK

- SITWORK DESIGN BY OTHERS - SEE SEPARATE SITE DESIGN DOCUMENTS.
- ALL SOL BEARING TO BE MIN. 2500 PSF - 95% PROCTOR. REPORT ANY SUSPECT CONDITION TO ARCHITECT.
- REPLACE ANY TRENCHED AREA TO MEET ORIGINAL BEARING AND PROCTOR.

DIV. 03 - 06 CARPENTRY

- SEE STRUCTURAL SHTS.

DIV. 07 - 14

- SEE ARCHITECTURAL SHTS.

DIV. 15 HVAC

- MAIN HVAC UNIT (S) : VERIFY OR PROVIDE ALL MAIN HVAC UNITS FROM A REPUTABLE SUPPLIER SUCH AS CARRIER, LENNOX OR TRANE CONFIGURED AS MIN. 14 SEER UNITS CAPABLE OF MEETING PROTECT SCHEDULE REQUIREMENT(S).
- GAS SERVICE ELEMENTS : (WHEN USED)
1. GAS LINES : USE MIN. SCHEDULE 40 BLACK STEEL PPE & MATCHING THREADED FITTINGS ABOVE GRADE - SCHEDULE 40 & MATCHING WELDED FITTINGS BELOW GRADE. SURROUND ALL BELOW GRADE LINES WITH MIN. ONE COAT OF MFR. APPROVED TAR COATING. SEE RELATED SUSPENSION NOTES.
2. GAS LINE APPURTENANCE : PROVIDE EQUIPMENT MATCHED REGULATORS, UNION(S) & GAS COCK(S) AT ALL APPURTENANCE W/ GROUND FUG SHUTOFFS AS NEEDED & DRP TEE(S) AT ALL DROPS.
3. GAS FLUE APPURTENANCE : USE EQUIPMENT MATCHED MIN. TYPE B DOUBLE WALL EXHAUST PIPING COMPARABLE TO METALBESTOS PRODUCTS W/ INSULATED THIMBLES AT ALL FLOOR/ WALL / ROOF PENETRATIONS & MATCHING LOCATION APPROPRIATE ANTI-BACKDRAFT EXHAUST HOODS. SECURE ALL PRODUCT IN PLACE PER MANUFACTURER'S GUIDELINES AT ROOF PENETRATIONS. OBTAIN ROOF WARRANTED APPROVAL OF ALL FLASHING AND COUNTER FLASHING ELEMENTS.
- EXHAUST FAN (S) : SEE RELATED SCHEDULE AND/ OR KEY NOTE.
- COORDINATE ALL HVAC UNITS SO AS TO ADDRESS :
1. ANY NEED FOR DETAILED SIZING CALCULATION CHECKS AND DUCT SIZING. [ANY CFM NOTATIONS SHOWN BY ARCHITECT ARE ONLY FOR ROUGH SIZING CALCULATION(S)]
2. WHERE 3 PH. SERVICE IS DENOTED, PROVIDE SAME AS POWER TO ALL HVAC UNITS POSSIBLE. (ESP FOR ANY STRIP HEAT)
3. WHERE AVAILABLE, GAS LINE DETAILS FOR EMERGENCY GAS HEAT. (METERING, LINE SIZING & ROUTING, ROOF INTERFACE, GAS COCK AND DRP TEE LOCATIONS, ETC.)
4. PROVIDING OF AR GAP PROTECTED AND DEEP TRAPPED CONDENSATE WITH HEAVY GAUGE NON - CORROSIVE OVERFLOW PAN AT INTERIOR LOCATIONS. PROVIDE MIN. 3/4" COPPER PIPING SECURED AND UNIFORMLY SLOPED TO CONCEALED SCREENED END OUTLET OVER AN APPROPRIATELY CONFIGURED DRAIN LOCATION. AT ALL LOCATIONS SUBJECT TO FREEZING, WRAP WITH CLOSED CELL INSULATION COMPARABLE TO ARMAFLEX. WHEN EXPOSED TO EXTERIOR AND/ OR POTENTIAL INTERIOR ABUSE, SURROUND WITH HEAVY PVC COVER. COMPARABLE TO TESTON 300 JACKETS.
5. FINAL UNIT PLACEMENT(S) FOR MOST FUNCTIONAL AND SECURE MOUNTING. WHEN REQD COORDINATE INTERIOR AIR HANDLER POSITIONS BETWEEN STRUCTURAL MEMBER(S) AND/ OR COORDINATE POSITIONING OF ROOF UNITS OVER APPROPRIATELY SIZED STRUCTURAL MEMBERS BELOW AND ASSURE CURB DETAILING FOR ROOF MEMBRANE INTERFACE AS REQUIRED BY ROOF WARRANTY.
6. CORRECT AND FUNCTIONING INTERFACE OF INSTALLED WORK, INCLUDING NFPA 72E COMPLIANT SMOKE DETECTOR AND FIRE EVENT SHUTDOWN ON ANY UNIT OVER 2000 CFM.
7. REQUIRED ANCHOR AND BRACING OF ALL UNITS. AT ANY SUSPENDED UNIT (S), PROVIDE A MIN. OF FOUR INDEPENDENT 1/2" THREADED ROD HANGERS AT MAX. 5 FT. OC LOCK BOLT ROD TO BOTH UNIT AND/ OR A MIN. 1 1/2" UNISTRUT CHANNEL UNDERNEATH UNIT. LIKEWISE LOCK BOLT TOP OF ROD TO EITHER A STRUCTURAL ELEMENT/ PURLIN/ BEAM, OR A MIN. 1 1/2" UNISTRUT CHANNEL, SPANNING BETWEEN SAME, ASSURING THAT ALL BEARING POINTS ARE SIMILARLY SECURED AGAINST MOVEMENT.
8. PROGRAMMABLE THERMOSTAT CHOICE AND PLACEMENT AS PER OWNER PREFERENCES.
9. REQUIRED APPROVALS FOR CONDENSER UNIT PLACEMENT(S) : POSITION GROUND LEVEL UNITS ON SMOOTH AND LEVEL CONCRETE PAD. PROTECT WITH MIN. 3" X 36" SCHEDULE 40 PAINTED PPE BOLLARDS SET IN MIN. 12" DOME TOPPED X 24" DEPTH WWF REINFORCED CONCRETE.
- CONCEALED DISTRIBUTION : PROVIDE SMACNA COMPLIANT TAPE AND/OR MASTIC SEALED 1" WC. LOW PRESSURE DUCTWORK AND ACCESSORIES AS FOLLOWS :
1. PLENUMS : FLEX CONNECTED FLANGES, SCREW ATTACHED, MIN. 5 FT. LENGTH OF SOUND LINED, SEALED, MIN. 20 GAUGE GALVANIZED SHEET STEEL, WITH ANY FACE EXCEEDING 18" CROSSED CRIMPED TO AVOID DRUMMING.
2. TRUNKLINES : SCREW ATTACHED, SEALED, MIN. 20 GAUGE GALVANIZED SHEET STEEL WITH ANY FACE EXCEEDING 18" CROSSED - CRIMPED TO AVOID DRUMMING.
3. LATERALS : INTERLOCKING ROLLED EDGE, CRIMP AND SCREW CONNECTED, SEALED, ROUND, MIN. 20 GAUGE GALV. SHEET STEEL, WHERE REQUIRED, PROVIDE ADJUSTABLE SPIN IN AIR DEFLECTOR FITTINGS AND/ OR DAMPERS FOR A COMPLETE AND BALANCED SYSTEM.
4. INSULATION : INSULATE EXTERIOR OF ANY UNLINED DUCT WITH MIN. R - 8 FOIL FACED FIBERGLASS INSULATION SECURED WITH MIN. 18 GAUGE WIRE SURROUND AT 24" OC.
5. ANY PROPOSED FIBERBOARD DUCT SUBSTITUTION SHOULD ONLY BE CONSIDERED RELATED TO AIR FLOW OF 2000 CFM OR LESS (5 TON OR LESS), AND WHEN BEING CONSIDERED, SHOULD ALSO ADDRESS FULL COMPLIANCE WITH SMACNA AND RELATED STANDARDS. ... IE :
1. MIN. R-8 MASTIL HUNG TO MAX 1/20 SAG/INDENTATION POINTS
2. METALLIC REINFORCING AT STRESS POINTS, DUCT CONNECTIONS, AND REQD CLEANING PORTS
3. SEALED FACES/ JOINTS SO AS TO PROVIDE FIBER/ LEAK FREE AND SANITARY AIRFLOW.
6. DUCT HANGERS : HANG RIGID DUCT LEVEL WITH MIN. 1/4" SCREW AND LOCK WASHER CONNECTED AND RIGID OF MIN. 1" WIDTH 20 GAUGE THICKNESS AT MAX. 6 FT. OC. W/ LEVER ON EACH SIDE OF DUCT EXTENDED TO STRUCTURE ABOVE AND WITH SADDLES BETWEEN ANY LEGS SURROUNDING INSULATION. SEE ADDITIONAL SUSPENDED APPURTENANCE COORDINATION NOTE(S) BELOW. AVOID PLACING ANY NONVERTICAL LOADS ON DUCT(S).
7. DUCT SEAL : METALLIC TAPE AND/ OR SMACNA COMPLIANT BRUSH ON COMPOUND.
8. FIRE DAMPERS : SEE APPLICABLE KEYED NOTE(S).
9. REGISTER DROPS(S) : FLEXIBLE DUCT COMPARABLE TO UL LISTED CLASS I FIRE RETARDANT FLEXMASTER TYPE 3 COMPOSITE WITH INTERNAL STEEL SPRING COIL AND MIN. R-6 FIBERGLASS INSULATION. TAPE, CLAMP, AND PROVIDE COMPRESSION SCREW TO LEADING EDGE OF COIL AT ALL FLEXDUCT CONNECTIONS. PROVIDE ELBOW AT 90 DEGREE TURNS. PROVIDE WEBB MIN. 1 1/2" WIDE DOUBLE ENDNOTED WEB HANGERS, PLACED COMPARABLE TO THE BAND IRON FOR LATERALS. TO PREVENT ANY DUCT LAYING LOOSE ATOP CEILING DO NOT STRETCH DUCT AND INSTALL SIMILAR WEB HANGER AT ANY LOCATION WHERE UNIDUE STRESS ON DUCT AND/OR CONNECTIONS IS EVIDENT.
10. REGISTERS : SEE APPLICABLE KEYED NOTE(S).
11. SPECIALTY LOUVERS : SEE APPLICABLE KEYED NOTE(S).
- EXPOSED DISTRIBUTION : PROVIDE COMPARABLE TO ABOVE CONCEALED DISTRIBUTION BASICS EXCEPT NO EXPOSED FIBERBOARD SUBST. WILL BE ALLOWED. PROVIDE INTERNAL SELF SEAL LINING IN TRUNKLINE OR AS NEEDED TO PREVENT SWEATING. COORDINATE WITH PRE - MANUFACTURED SPIRAL DUCT LATERALS & REGISTER DROPS SYSTEM, COMPARABLE TO MCGILL AIRFLOW PRODUCTS.
- MISCELLANEOUS :
1. CONCEAL ALL WORK TO GREATEST EXTENT POSSIBLE. POSITION ALL HVAC WORK SO AS TO PROVIDE EASIEST FILTER CHANGE ACCESS FOR OCCUPANT. CROSSCHECK WITH REFLECTED CEILING PLAN AND LIGHTING PLAN FOR PROPER INTERFACE WITH CEILING GRID AND LIGHT FIXTURES.
2. ALL SUSPENSION ELEMENTS MUST PROVIDE UNIFORM PLUMB AND SQUARE LINES. ALL INTERSTITIAL SPACE WORK TO CLEAR THE TOP OF ANY REMOVABLE CEILING ELEMENT BY A MIN. OF 6". ANY PIPING TO BE SUSPENDED COMPARABLE TO PROVISIONS OUTLINED IN PLUMBING SPECS.
3. VERIFY OR PROVIDE SUPPLEMENTAL HANGER SUPPORT, SIMILAR TO THAT INDICATED UNDER DUCT HANGERS, FOR ANY CEILING PLANE WORK THAT DOES NOT INCLUDE PROVISIONS FOR RESTING UNIFORMLY AND BEING SECURELY SUPPORTED BY THE CEILING GRID. ANY UNISTRUT STYLE HANGER(S) MUST BE LOCK NUTTED TO BOTH STRUCTURE & DUCT SUPPORTS.
4. VERIFY OR PROVIDE MISC HVAC APPURTENANCE SUCH AS ELEC. DISCONNECT(S), CONVENIENCE OUTLET(S), CONDENSATE AND/OR GAS LINES, ANY MISC. COOLERS AND FREEZERS WHICH MAY REQUIRE REMOTE CONDENSING UNIT INTERFACE, ETC. SEE ARCHITECTURAL SHEETS FOR POSSIBLE COORD. OF ANY PROPOSED ELEVATED PLATFORM MOUNTING(S).
5. VERIFY OR PROVIDE STRUCTURAL VIBRATION ISOLATION.
6. VERIFY OR PROVIDE NON-CORROSIVE FRESH AIR INLET LOUVERS WITH NON-CORROSIVE SCREENS DESIGNED TO PREVENT INSECT AND/ OR RODENT ENTRY, AND SIZED TO MEET CODE REQUIRED FRESH AIR PROVISIONS WITH LOUVER BLADE PROFILE DESIGNED TO DRECT ANY MOISTURE/ RAIN DRIPS AWAY FROM AIR FLOW.
7. VERIFY OR PROVIDE EXHAUST FAN ACCESSORIES INCLUDING A MINIMUM OF EXTERIOR WALL EXHAUST HOOD/ BROADSCREEN AND/ OR BACKDRAFT DAMPER.
8. COORDINATE ANY SPECIAL APPURTENANCE FINISHES WITH OWNER'S INTERIOR DESIGN SCHEME.

DIV. 16 - SEE ELECTRICAL SHEETS

designer's seal

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PROTOTYPE EMS STATION

| SHEET ISSUE DATES | | | |
|------------------------|---------|--------------------------------|--------|
| 90% CD PROGRESS REVIEW | 6/20/14 | UPDATED 90% CD PROGRESS REVIEW | 7/7/14 |
| PERMIT REVIEW PRINTING | 9/22/14 | | |

sheet name

16

HVAC BASICS & OUTLINE SPECS

M-01

JOB
NORTH

SYMBOLS

- RIGID RECTANGULAR DUCT
SIZED TO SUPPORT CIRCULAR
DUCT LATERALS
- RIGID CIRCULAR DUCT
6" FOR LESS THAN 125 CFM
8" FOR 126-250 CFM
10" FOR 251-400 CFM
12" FOR 401-700 CFM
14" FOR 701-950 CFM
16" FOR 951-1250 CFM
- FLEX DUCT
OVER 400 CFM-PROVIDE NEXT LARGER
SIZE THAN ABOVE RIGID DUCT NOTATIONS
OVER 800 CFM-PROVIDE 2ND NEXT LARGER
SIZE THAN ABOVE RIGID DUCT NOTATIONS
- SUPPLY REGISTER
- NUMBER DENOTES NOM. CFM
REQUIREMENTS
- ARROW DENOTES NON-UNIFORM
DIRECTIONAL THROW REQDNT.
- RETURN REGISTER
- SMALL EXHAUST FAN/ REGISTER
- MISC. BALANCING DAMPER
- THERMOSTAT
- SMOKE DETECTOR (CO = COMBO.
CARBON MONOXIDE UNIT)
- FURNACE - FAN COIL UNIT
W/ REMOTE CONDENSOR
- CONDENSOR UNIT
- ROOFTOP UNIT
- INFRARED RADIANT HEATERS
- IT EQUIPMENT RACK MOUNTED UPDRAFT
EXHAUST INLET (COORD. W/ UNIT'S)
FURNISHED BY OWNER

RENOVATIONS : THE USE OF LIGHTER AND/
OR DASHED LINES ATTEMPTS TO DENOTE
EXIST'G. FACILITY CONDITIONS

GENERAL NOTES (HVAC)

- SEE OUTLINE SPECS FOR BASIC INSTALLATION CONCERNS.
- SEE KEYED NOTES FOR MORE SPECIFIC INSTALL REQUIREMENTS.
- ABBREVIATIONS AND NOTE LISTINGS ARE PROTOTYPICAL IN NATURE AND MAY CONTAIN SOME REFERENCES NOT BEING USED FOR THIS PROJECT.
- BASIC CHARACTERISTICS OF OTHER TRADE WORK MAY BE SHOWN HEREON TO AID IN DESCRIBING THE OVERALL WORK REQUIREMENTS AT TIME OF THIS SHEET'S ISSUANCE. CONTRACTOR MUST CAREFULLY REVIEW AND COORDINATE FINAL WORK WITH LATEST EDITION OF OTHER SHEETS.
- MISCELLANEOUS HVAC NOTES :
 - DUCT & UNIT LINES MAY BE SHOWN DIAGRAMMATICALLY AND CAN OFTEN OFFSET AND /OR BE ANGLED FOR CLARITY. SET ALL WORK TO NEAT AND STRAIGHT LINES.
 - UNO. CONCEAL ALL LINES. ROUTE IN A CONTROLLED ENVIRONMENT AREA, AND KEEP ALL SERVICE POINTS AS ACCESSIBLE AS POSSIBLE.
 - COORDINATE WORK SO AS TO PROVIDE CONDENSATE DRAINS WHERE NEEDED.
 - MAINTAIN AIRGAPS AND/ OR VERIFY THE PRESENCE OF ANTISHIPON DEVICES, ETC., AT ANY LOCATION SUSCEPTIBLE TO BACKFLOW OF POSSIBLE DRAIN LINE CONTAMINANTS.
 - COORDINATE ALL WORK WITH OWNER'S SPECIFIC EQUIPMENT SPECS.
- RENOVATION NOTES : (WHEN APPLICABLE)
 - WHERE ARCHITECT HAS ATTEMPTED TO NOTE EXISTING CONDITIONS WITH AN "X" PREFIX, AND/ OR LIGHTER LINES, HE HAS BEEN INFORMED OF SUCH MATERIAL EITHER BEING IN PLACE OR SCHEDULED TO BE IN PLACE BY TIME OF WORK SHOWN HEREIN. NO MODIFICATIONS SHOWN ARE INTENDED TO SUBSTANTIALLY ALTER SUCH PREVIOUS DESIGN SOLUTIONS. FIELD VERIFY ALL CONDITIONS AND AT ANY QUESTIONABLE ELEMENT, PROVIDE OWNER WITH AN ALTERNATE FOR PLACING AND/ OR CORRECTING SAME.
 - VERIFY SUFFICIENCY OF EXIST'G. SYSTEM (S) - INCLUDING MINIMUM FRESH AIR COMPLIANCE.
 - WHERE REMOVAL OF EXISTING FINISHES AND/ OR PRODUCT(S) IS REQUIRED, COORDINATE REQUIRED DEMO, REMOVAL, TERMINATION AND/ OR REPAIR/ROUTING OF EXISTING LINES ALONG WITH REFINISHING OF AREA TO MATCH PREEXISTING CONDITION.
- PROVIDE OWNER WITH AS BUILT DOCUMENTS MARKED UP TO REFLECT ALL FINAL INSTALLATION COORDINATIONS.

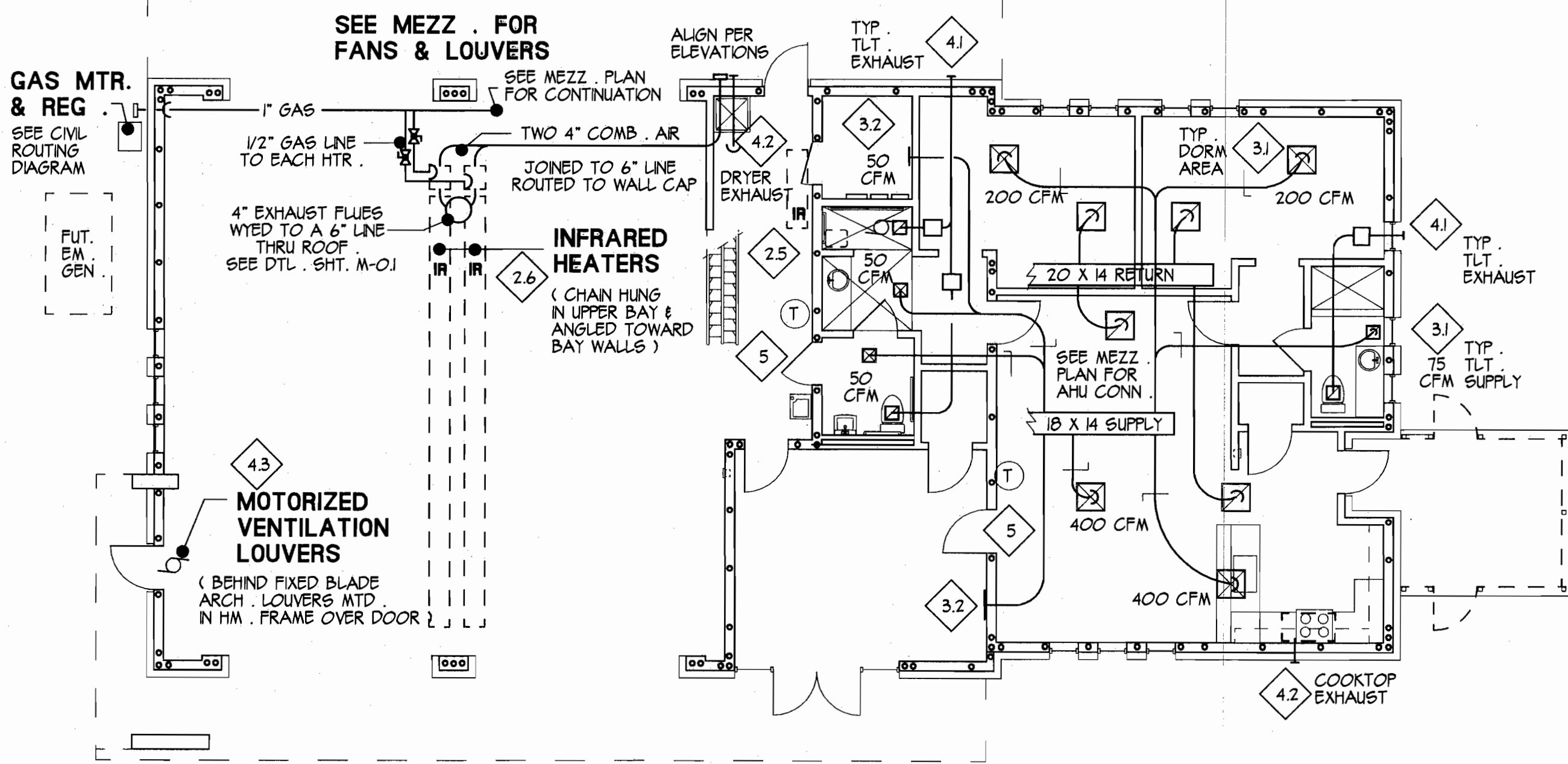
MAIN FLOOR LEVEL
SCALE : 1/8" = 1' - 0"

KEYED NOTES (HVAC)

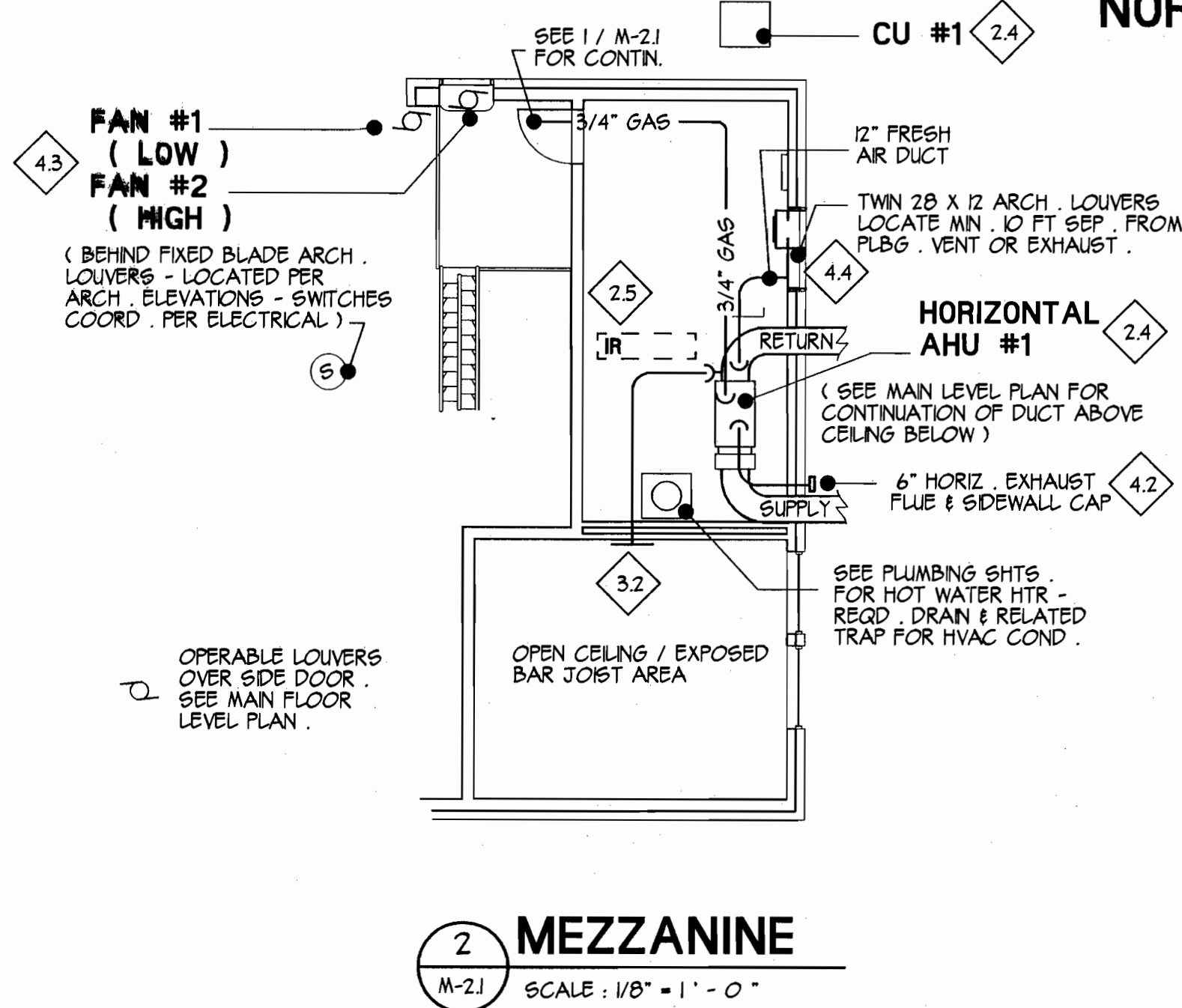
- THE FOLLOWING KEYED NOTES AND SUBNOTES, WHEN PLACED IN PLAN AND RELATED DRAWINGS, ARE USED TO TRY AND KEEP GRAPHICS LESS CLUTTERED WHILE STILL REFERRING ONE TO MORE DETAILED PROTECT REQUIREMENTS.
- WORK BY OTHERS : USE OF THIS NOTE DENOTES THAT WORK BEING DESCRIBED IS EITHER ALREADY IN PLACE (EXIST'G) OR IF NEW, IS BEING PERMITTED AND INSTALLED SEPARATE FROM THE WORK BEING DESCRIBED HEREIN. SEE OUTLINE SPECS FOR WORK COORDINATION NOTES.
 - HEATING AND COOLING UNIT (S) : PROVIDE NEW MINIMUM 14-SEER UNIT (S) IN SIZES AND CONFIGURATIONS NOTED. FIELD COORDINATE WITH OWNER'S REP. CHECK AND ADJUST ALL PROVISIONS FOR COMPLIANCE WITH MANUFACTURER'S CONFIGURATION GUIDELINES. PER ISC 302.11 COORDINATE RATED ROOM FOR ANY FURNACE EXCEEDING 400K BTU/HR.
 - SPLIT SYSTEM HEAT PUMP, TOTAL ELECTRIC AIR TO AIR UNIT, COORDINATE CONCEALED ELECTRICAL AND COOLANT LINES, CONDENSING UNIT MATCHED CONCRETE PAD, ETC. SEE BOLLARD PROTECTION NOTES AT ANY CONDENSOR ADJACENT TO VEHICULAR TRAFFIC. THIS PROJECT SPECIFICS : NOT USED.
 - UNITARY SYSTEM HEAT PUMP UNIT (S) : PROVIDE A PACKAGED SYSTEM COMPARABLE TO A MITSUBISHI MR SLIM - FLA - R12 (HEAT PUMP SERIES) FOR A LAY - IN CEILING AIR HANDLER AND AN EXTERIOR WALL MOUNTED SUITCASE SIZED CONDENSING UNIT. THIS PROJECT SPECIFICS : NOT USED.
 - ROOFTOP HEATPUMP UNIT (S) PROVIDING ROUGHLY EQUAL HEATING AND COOLING CAPACITY (ES). PROVIDE EMERG. HEAT OPTION. UNIT PLACEMENT SHOWN IS DIAGRAMMATIC. COORD. FIELD PLACEMENT TO KEEP UNIT TO REAR OF CENTER COLUMN/ BEAM AND OFFSET MULTIPLE UNITS FROM EACH OTHER BY AT LEAST ONE JOIST SPACE. THIS PROJECT SPECIFICS : NOT USED.
 - GAS FRED FURNACE / ELECTRIC COOLING : PROVIDE A PACKAGED FURNACE AND MANUFACTURER MATCHED FILTER AND COIL ASSEMBLIES. CONNECT COIL TO IT'S REQUIRED GROUND MOUNTED CONDENSING UNIT, MATCHED CONCRETE PAD, ETC. SEE BOLLARD PROTECTION NOTES AT ANY CONDENSOR BEING PLACED ADJACENT TO VEHICULAR TRAFFIC. THIS PROJECT SPECIFICS :
 - HORIZONTAL FURNACE UNIT COMPARABLE TO CARRIER 58 DCA B5 100 20 (B5K BTU HEAT, W/ SINGLE PHASE 3/4 HP, FAN ON A 120 V, 60 AMP HVAC PROTECTED CIRCUIT)
 - EXTERIOR CONDENSING UNIT COMPARABLE TO CARRIER 58 B56 060 30 (15B M-BTU TOTAL COOL (NOM. 5 TON / 100 CFM), ON A SINGLE PHASE, 220V, 60 AMP/ 35 CSA HVAC PROTECTED CIRCUIT.)
 - ELECTRIC INFRARED (R) FREEZE CONTROL UNIT (S) : PROVIDE A PRE-ENGINEERED MAX. 6000W EACH TSTAT CONTROLLED OVERHEAD SPRAY INFRARED HEATER COMPARABLE TO THAT AVAILABLE FROM NTEK. AS RECOMMENDED BY MANUFACTURER FOR MINIMUM HEAT BELIEVED NEEDED FOR POSSIBLE WATER DEVICE FREEZING DURING AREAS INTERMITTENT EXPOSURE TO NCLEMENT WEATHER. PROVIDE MIN. 12 X 12 FLOURESCCENT PRINT WARNING SIGNS ABOUT REQUIRED CLEARANCE TO COMBUSTIBLES. THIS PROJECT SPECIFICS :
 - MEZZANINE ROOM - HANG UNIT FROM CEILING. COORDINATE WITH OWNER ABOUT AIMING AWAY FROM ANY PLANNED MEZZANINE STORAGE.
 - CLOTHES WASH ALCOVE : WALL MOUNT UNIT AT UNDERSIDE INTERSECTION OF MEZZANINE DECK & WALL. COORDINATE WITH OWNER ABOUT AIMING AT CLOTHES WASHER PFING WITHOUT CREATING OVERHEATING DISCOMFORT FOR USERS.
 - GAS FRED INFRARED (R) HEATER SYSTEM (S) : PROVIDE A PRE-ENGINEERED OVERHEAD SPRAY NAT. GAS INFRARED HEATER SYSTEM COMPARABLE TO THAT AVAILABLE FOR ROBERTS-GORDON WITH MIN. 12 X 12 FLOURESCCENT PRINT WARNING SIGNS ABOUT REQUIRED CLEARANCE TO COMBUSTIBLES. THIS PROJECT SPECIFICS :
 - VANTAGE 1100K BTU/HR UNITS IN CONFIGURATION BEST SUITED TO VEHICULAR BAY PLACEMENT.
 - PROVIDE SUBMITTALS TO REFLECT MANUFACTURER REVIEW AND APPROVAL OF JOB SPECIFICS NECESSARY FOR THEIR SYSTEM (S) TO OPERATE AT OPTIMUM SAFETY & EFFICIENCY.
 - INCLUDING BUT NOT LIMITED TO THE ROUTING OF ALL REQUIRED VENTING & COMBUSTION AIR DUCTS TO WALL MOUNTED EXTERIOR WALL HOODS, COORDINATING AND PROVIDING FOR ANY REQUIRED MATERIAL CLEARANCE ADVISEMENTS AND/ OR PROTECTOR SHIELD OPTIONS, ETC.

- DISTRIBUTION DEVICES : LINES EXTENDING FROM THE HVAC UNIT (S) AND/ OR PLENUM (S) INDICATE THE APPROXIMATE LOCATION (S) OF REQUIRED NEW SIMACNA COMPLANT DUCTWORK. FIELD COORDINATE ANY REQUIRED OFFSET (S), TRANSITIONS AND/ OR RE-ORIENTATION (S), AND/ OR ALUMINUM OPTIONS AT POTENTIALLY CORROSIVE AREA (S). UNO. FOR SUPPLY DUCTS, PROVIDE SPIN-IN SCOOP, BALANCE DAMPER AND FLEX DUCT DROP - SEE DETAIL.
 - CEILING REGISTER (S) : PROVIDE COMPARABLE TO TITUS TWS (VANED) SERIES FOR SUPPLIES & 50K (GRILLE) SERIES FOR RETURN. MATCH TO ANY APPLICABLE CEILING GRID PROFILE AT SURFACE MOUNT LOCATIONS, COORDINATE RETURNED EDGE PROFILE AND AN ATTACHMENT FRAME ABOVE CEILING.
 - WALL REGISTER (S) : PROVIDE COMPARABLE TO TITUS 300 (VANED) SERIES FOR SUPPLIES AND 350 (VANED) SERIES FOR RETURN.
 - HINGED FILTER RETURN (S) : PROVIDE A HINGED FACE FILTER FRAME, BALANCE DAMPER AND FLEX DROP BACK TO HVAC UNIT'S RETURN AIR PLENUM.
 - EXPOSED DUCT : SEE OUTLINE SPECS.
- EXHAUST, VENTILATION, COMBUSTION & FRESH AIR NOTES : PROVIDE ALL ELEMENTS NECESSARY TO MEET RELATED EQUIPMENT MANUFACTURER'S REQUIREMENTS AND BASIC CODE PROVISIONS COMPARABLE TO THE INTNL. MECH. CODE (IMC) SECTION 403, COORDINATE ALL BUILDING ENVELOPE PENETRATIONS TO BE PROPERLY FLASHED, DAMPERED, ETC., SO AS TO PREVENT ANY VERMIN, WATER AND/ OR NON-REQUIRED AIR INTRUSION.
 - TOILET EXHAUSTS : PROVIDE A WALL MOUNTED, FAN MATCHED BACKDRAFT DAMPER AND EXTERIOR HOOD ATTACHED TO A RIGID DUCT LINE ROUTED TO INTERIOR SPACE THRU A MIN. 100 CFM THREAD ROD SUPPORTED, IN-LINE TOILET EXHAUST FAN COMPARABLE TO A GREENHECK CSP SERIES W/ A CEILING SUPPORTED REGISTER. SEE DISTRIBUTION DEVICES.
 - APPLIANCE/ EQUIP. MATCHED EXHAUSTS : PER APPLICABLE DEVICE'S SPECS, COORDINATE ANY REQUIRED BUILDING PROTECTION ELEMENTS, BACKDRAFT DAMPERS, ETC., AND PLACE A RIGID METALLIC EXHAUST TO BUILDING'S EXTERIOR, IN COORDINATION WITH OWNER REP. APPROVAL. ROUTE EXHAUST TO MOST DIRECT EXTERIOR WALL EXIT POSSIBLE. CONCEAL ALL FINISHED AREA DUCT.
 - LARGE AREA VENTILATION : PROVIDE EXTERIOR WALL MOUNTED CAGE PROTECTED CENTRIFUGAL FAN (S) COMPARABLE TO GREENHECK SE-1 (SIDEWALL MOUNT PROPELLER EXHAUST UNITS), ALSO COORDINATE OPTIONAL FAN DELAY MATCHED INTAKE & EXHAUST LOUVERS. IN ADDITION TO A ROTARY TIMER WALL SWITCH, COORDINATE AN ACTUATOR OVERRIDE TRIGGER IN AREA SUBJECT TO VEHICLE EXHAUST ACCUMULATION. TRIGGER THE ACTUATOR VIA A COMBINATION SMOKE & CARBON MONOXIDE DETECTOR CENTERED OVERHEAD. COORD. W/ ELECTRICAL. WHEN DENOTED ON ELEVATIONS, PROVIDE A FIXED BLADE ARCHITECTURAL LOUVER OVER OUTSIDE FACE OF THESE MECHANICAL DEVICES, COMPARABLE TO CONSTRUCTION SPECIALTIES 4000 SERIES.
 - COMBUSTION & FRESH AIR PROVISIONS : PROVIDE A PREFINISHED FIXED DRAINABLE BLADE ARCHITECTURAL LOUVER COMPARABLE TO CONSTRUCTION SPECIALTIES 4000 SERIES. (4" DEPTH) SIZE PER APPLICABLE COMBUSTION DEVICE REQUIREMENTS.
 - FOR GENERAL OPEN AREA VENTING.
 - ASSURE THAT A THERMOSTAT REGULATED SUPPLEMENTAL HEAT DEVICE IS PLACED IN ANY AREA CONTAINING ELEMENTS NEEDING PROTECTION DURING COLD WEATHER.
 - ATTACH A MATCHING WIDTH X 8" DEPTH VERTICAL HARD METALLIC DUCT, CONFIGURED FOR TOP & BOTTOM SIDEWALL REGISTERS.
 - LOCATE SIDEWALL DUCT REGISTERS, COMPARABLE TO TITUS 350 UNITS, AT BOTH 6" ABOVE LOWEST POINT AND 6" BELOW HIGHEST POINT OF SPACE IN WHICH GAS FRED UNIT IS LOCATED. FOR DUCTED FRESH AIR.
 - FORM A METALLIC BOX DUCT OFF BACKSIDE OF AN ADDITIONAL LOUVER TO THAT MATCHES THE ABOVE. CUT IN AN INSULATED METALLIC FRESH AIR DUCT / BALANCING DAMPER RUN TO A CONNECTION POINT JUST BEFORE RETURN AIR RE-ENTERS THE AIR HANDLER UNIT (S).

- HVAC CONTROLS : CONFIGURED TO CONTROL THIS AREA'S HVAC, PROVIDE A MIN. 7 DAY / 28 EVENT PROGRAMMABLE THERMOSTAT AT THIS APPROXIMATE LOCATION.
- MISC. COORDINATION NOTES : WHEN APPLICABLE
 - CONCEALED BUFFET LINE EXHAUST : PROVIDE A WALL REGISTER AND ACCOMPANYING STUD SPACE WALL BOOT/ HARD REG. DUCT TO ABOVE CEILING FOR PURPOSE OF CONNECTING TO EXHAUST SYSTEM (S) AS NEEDED TO MORE DIRECTLY EXPEL THIS AREA'S EQUIPMENT HEAT.
- MISC. SPACE RENOVATION NOTES :
 - NOT USED THIS PROJECT.



SEE ARCH SHTS FOR ROOM NUMBERS,
REFLECTED CEILING PLAN, ETC



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project
PROTOTYPE EMS
STATION

| SHEET ISSUE DATES | | 90% CD PROGRESS REVIEW | UPDATED 90% CD PROGRESS REVIEW | NAT. GAS CHANGES | PERMIT REVIEW PRINTS |
|-------------------|--------|------------------------|--------------------------------|------------------|----------------------|
| 6/20/14 | 7/7/14 | 7/21/14 | 9/22/14 | | |

sheet name
HVAC
LAYOUT
M-2.1

OUTLINE ELECTRICAL SPECS

A. BASIC CONDITONS :

- DESIGN COORDINATION(S) : WHEN ENGINEERING SHEETS HAVE BEEN STAMPED BY ARCHITECT, THEY HAVE BEEN INCLUDED HEREIN SO THAT PERMIT DOCUMENT PREP. WILL EVIDENCE SUCH INCIDENTAL ENGINEERING NEEDS. BUILDER(S) MUST STILL CAREFULLY COORDINATE THE WORK SHOWN WITH ANY MORE DETAILED PROJECT REQUIREMENTS. OBTAIN APPLICABLE OWNER REP. APPROVAL OF FINAL MATERIALS BEING USED, INCLUDING ALL APPURTENANCE MANUFACTURER'S SPECIFIC OPTIONS, COLORS, TEXTURES, ACCESSORIES, ETC. - AND WHERE REQUIRED, PROVIDE SUBMITTALS STAMPED BY A TRADE APPROPRIATE ENGINEER, LICENSED TO PRACTICE IN PROJECT'S LOCALS.
- RELATED STANDARDS : STRUCTURAL WORK TO CONFORM WITH MINIMUM REQUIREMENTS ESTABLISHED IN THE LATEST EDITION OF THE INTERNATIONAL CODE CONGRESS STDs, APPLICABLE INDUSTRY STANDARDS, LOCAL SUPPLEMENT(S) AND/ OR APPLICABLE AMENDMENT(S).
- RELATED EQUIPMENT : COORDINATE WORK WITH RELATED TRADES. VERIFY THAT ANY OWNER EQUIPMENT SUPPLIER(S) HAVE PROVIDED APPLICABLE APPURTENANCE INFORMATION TO BE COORDINATED WITH WORK HEREIN. PROVIDE SAME TO ARCHITECT FOR POTENTIAL REFERENCE.
- LAYOUT(S) : WORK HEREIN SHOULD BE PLACED IN GENERAL CONFORMANCE WITH THE DIAGRAMMATIC LAYOUT(S) INDICATED BUT MAY NEED TO BE ADJUSTED FOR UNANTICIPATED FELD CONDITIONS, ETC.
- TESTING : SEE OWNER'S BID INSTRUCTIONS FOR APPLICABLE TESTING COORDINATION REQUIREMENTS.
- SUSPECT CONDITIONS : REFER ANY SUSPECT CONDITIONS TO ARCHITECT. DO NOT PERFORM ALTERATIONS TO AN ENGINEERED PRODUCT AND/OR AN EXISTING BUILDING WITHOUT ARCHITECT'S APPROVAL OF THE PROPOSED WORK. IMPLEMENT ALL MEASURES NECESSARY TO AVOID ANY DAMAGE TO PRE - EXISTING CONDITIONS.
- MISC : SEE ARCHITECTURAL SHEET(S) FOR RELATED OUTLINE SPEC BASICS, WALL LAYOUTS, BASIC FINISHES INTERFACE, ETC.
- EXISTING WORK COORDINATION - WHEN APPLICABLE :
 - WHERE ARCHITECT HAS ATTEMPTED TO NOTE EXISTING CONDITIONS, HE HAS BEEN INFORMED OF SUCH MATERIAL EITHER BEING IN PLACE OR SCHEDULED TO BE IN PLACE BY TIME OF WORK SHOWN HEREIN. WHEN AVAILABLE, SEE PREVIOUS PERMIT DOCS. NO MODIFICATIONS SHOWN ARE INTENDED TO SUBSTANTIALLY ALTER SUCH PREVIOUS DESIGN SOLUTIONS. FIELD VERIFY ALL CONDITIONS AND AT ANY QUESTIONABLE ELEMENT, PROVIDE OWNER WITH AN ALTERNATE FOR PLACING AND/ OR CORRECTING SAME.
- AS BUILT DRAWINGS : PROVIDE OWNER & ARCHITECT WITH BOTH HARDCOPY AND DIGITAL COPY DESCRIPTIONS OF INSTALLED WORK.

B. BASIC MATERIALS :

DIV . 01 GENERAL (SEE ARCH SHTS)

DIV . 02 SITEWORK

- SITEWORK DESIGN BY OTHERS - SEE SEPARATE SITE DESIGN DOCUMENTS.
- ALL SOIL BEARING TO BE MIN. 2500 PSF - 75% PROCTOR. REPORT ANY SUSPECT CONDITION TO ARCHITECT.
- REPLACE ANY TRENCHED AREA TO MEET ORIGINAL BEARING AND PROCTOR.

DIV . 03 - 06 CARPENTRY

- SEE STRUCTURAL SHTS.

DIV . 07 - 14

- SEE ARCHITECTURAL SHTS.

DIV . 15

- SEE ELECTRICAL SHTS.

DIV . 16 ELECTRICAL

- PANELBOARD(S) :
 - RISER COMPLIANT CIRCUIT BREAKER GROUND BUS PANELBOARD(S) COMP. TO SQUARE D NGOOD.
 - PROVIDE EACH PANEL WITH AN ENGRAVED PHENOLIC NAMEPLATE AND TYPESET DIRECTORY IN A CLEAR PLASTIC PROTECTIVE POCKET INSIDE OF PANEL DOOR.
 - USE UL APPROVED HACR RATED CIRCUIT BREAKERS AT HEATING, AIR CONDITIONING AND REFRIGERATION CIRCUITS OVER 20 AMPS.
- DISCONNECT(S) AND SAFETY SWITCH(ES) :
 - PROVIDE GENERAL DUTY DEVICES AT EQUIPMENT AND HEAVY DUTY DEVICES AT SERVICE AND/ OR FEEDER LOCATIONS.
 - PROVIDE NEMA 3R RATED DEVICES AT EXTERIOR LOCATIONS.
 - PROVIDE REJECTION CLIPS AT ANY FUSIBLE LINK(S). FUSES TO BE BUSSMAN FRG OR FRN AS PER APPLICABLE VOLTAGE.
 - HVAC UNITS TO BE PULL-OUT TYPE UP TO 60 AMPS. PROVIDE MANUAL THROW AT HIGHER FEEDS.
- WRING DEVICES :
 - PROVIDE MIN. 20 AMP SPEC GRADE UNITS COMP. TO HUBBELL CR OUTLETS AND GS SWITCHES, IN STYLE & COLOR(S) SELECTED BY OWNER. COORDINATE WITH ANY SPECIALIZED EQUIPMENT NEEDS, INCLUDING ANY CORDS/ WHIPS, AND/ OR DISCONNECTS THAT MAY BE NEEDED.
- LIGHTS :
 - SEE LIGHTING PLAN FOR APPLICATIONS.
 - COORDINATE INCANTING APPROPRIATE TO SUBSTRATE.
 - GROUP ALL ADJACENT SWITCHES IN GANG BOXES WITH COMMON COVER PLATE.
 - COORDINATE HIGHEST EFFICIENCY BULBS APPLICABLE TO FIXTURE TYPE WITH BULB TO PROVIDE TRUEST RENDITION OF SUNLIT HUMAN SKIN COLOR.
- CONDUCTORS :
 - SIZE AND COLOR CODE ALL WRING.
 - PROVIDE ALL COPPER BUS IN PANEL(S) AND APPROPRIATELY SIZED & SHIELDED ALL COPPER WRING OF MIN. 12 GAUGE DIAM. W/ LARGER SIZE(S) WHERE REQUIRED TO SUIT INTENDED APPLICATION, RUN LENGTHS, ETC.
 - PROVIDE A DEDICATED GROUND WIRE IN ALL CIRCUITS. DO NOT RELY ON CONDUIT AS GROUND.
 - PROVIDE AN EXTRA UNSWITCHED CONDUCTOR ON ANY LIGHTING CIRCUIT FEEDING AN EMERGENCY LIGHT AND/ OR EXIT SIGN.
- CONDUIT :
 - CONCEAL ALL WRING IN CONDUIT. PROVIDE GALVANIZED STEEL EMT CONDUIT ABOVE GRADE, RIGID CONDUIT FOR SERVICE ENTRY(ES) AND SCHED. 40 TYPE II PVC BELOW GRADE. SEAL ALL EXTERIOR JOINTS WATERTIGHT.
 - CONCEAL ALL CONDUIT TO MAX. EXTENT. OBTAIN OWNER REP APPROVAL OF ANY EXPOSED CONDUIT.
 - PLACE ANY EXPOSED CONDUIT TO NEAT LINES. EITHER PARALELL OR PERPENDICULAR TO BLDG. LINES.
 - SECURELY ANCHOR AT MAX. 5 FT OC.
 - LABEL CIRCUIT ON CONDUIT WITH AN INDELEBLE MARKER AT ALL APPURTENANCE.
 - CONFIGURE TO ALLOW SERVICEABILITY OF ALL OTHER TRADEWORK SUCH AS HVAC FILTER CHANGE, DISCONNECT ACCESS, AND/OR ANY RELATED CEILING TILE REMOVAL, ETC.
 - MC CABLE : WHERE ALLOWED BY PERMIT JURISDICTION, USE OF ANY SUCH FLEX CONDUIT MUST :
 - BE LIMITED TO UN-EXPOSED LATERALS OR AS PER MANUF. GUIDELINES.
 - DERATE (OVERSIZE) ANY PROPOSED LONG RUN AND/ OR HOMERUNING AS PER NEC ARTICLE 310.15 (BOX).
 - PROVIDE A ISOLATED COPPER GROUND AND NEUTRAL. (NO ALUM).
 - INCLUDE TERMINATION POINT BUSHING SO AS TO NOT RISK DAMAGE TO REQUIRED INSULATION.
 - BE ANCHORED TO METALLIC BOXES VIA MANUF. APPROV. TIGHT FITTING/ SECURE CONNECTORS.
 - BE ANCHORED TO NEATLY TRAINED RUNS COMPARABLE TO STICK CONDUIT.
 - BE AS PER ANY OTHER LOCAL JURISDICTION CRITERIA.
- TELEPHONE, DATA, SECURITY AND AUDIO VISUAL SYSTEMS :
 - PROVIDE A MIN 1/2" CONDUIT TO ABOVE CEILING AT ANY LOCATION MARKED FOR SUCH SYSTEM(S). COORDINATE CONDUIT SIZE WITH FINAL SYSTEM(S) REQUIREMENTS.
 - ROUTE CONDUITS TO MINIMIZE NUMBER OF ELBOWS. PROVIDE LONG RADIUS ELBOW UNITS.
 - PROVIDE A SYSTEMS BACKBOARD OF MIN. 32" X 32" X 3/4" PAINTED FIRE RETARDANT PLYWOOD.
- MISCELLANEOUS :
 - SECURELY ANCHOR & PROVIDE FLUSH COVERS AT ALL DEVICES IN FINISH SELECTED BY OWNER.
 - MANTAIN A MIN 36" IN FRONT OF ALL PANELBOARD(S) AND DISCONNECT(S).
 - NEATLY TRAIN, BEND AND SECURE ALL WRING WITHIN PANEL(S), DISCONNECT(S), AND EQUIPMENT COVER(S).
 - PROVIDE A LOCKING BREAKER AT ANY DEDICATED EMERGENCY LIGHTING CIRCUIT(S).
 - PROVIDE A HACR RATED BREAKER AT ANY HVAC AND/ OR REFRIGERATION CIRCUIT(S).
 - POSITION RECESSED WORK IN COORD. WITH OTHER TRADES SUCH AS ASSURING THAT ELECT. BOX(ES) ARE FLUSH WITH FACE OF FINISH WALL, ASSURING THAT GANG BOX(ES) DO NOT EFFECT ANY RATED WALL INTEGRITY, RECESSED LIGHTS ARE COORDINATED WITH REQUIRED AREA CHARACTERISTICS, ETC.
 - COORDINATE ANY PENETRATION OF BUILDING ENVELOPE WITH APPROPRIATE VERMIN AND MOISTURE PROOF FLASHING AND/ OR SEALANT(S).
 - ASSURE THAT ANY FIRE, SMOKE AND/OR ACOUSTICAL BARRIER IS SEALED AND PROTECTED COMPARABLE TO APPLICABLE RATING STANDARDS.
 - PROVIDE GROUND FAULT CIRCUIT INTERRUPTION (GFCI) AT ANY DEVICE NEAR WATER.
 - VERIFY ALL CIRCUITRY REQUIREMENTS PRIOR TO BEGINNING WORK. MARK ANY FIELD REVISION/ COORDINATION CONDITIONS ON AS BUILT DRAWINGS.

designer's seal

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project

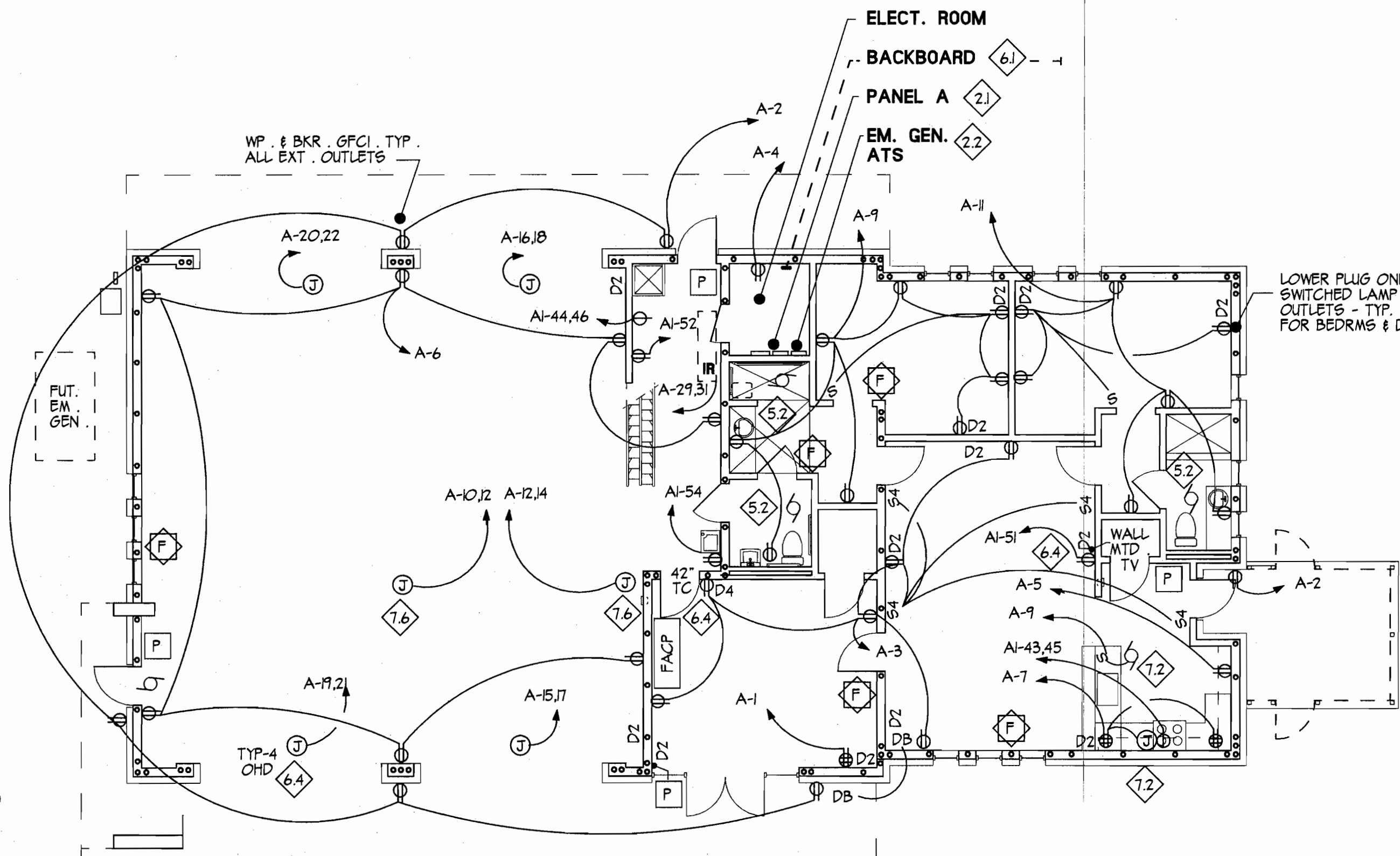
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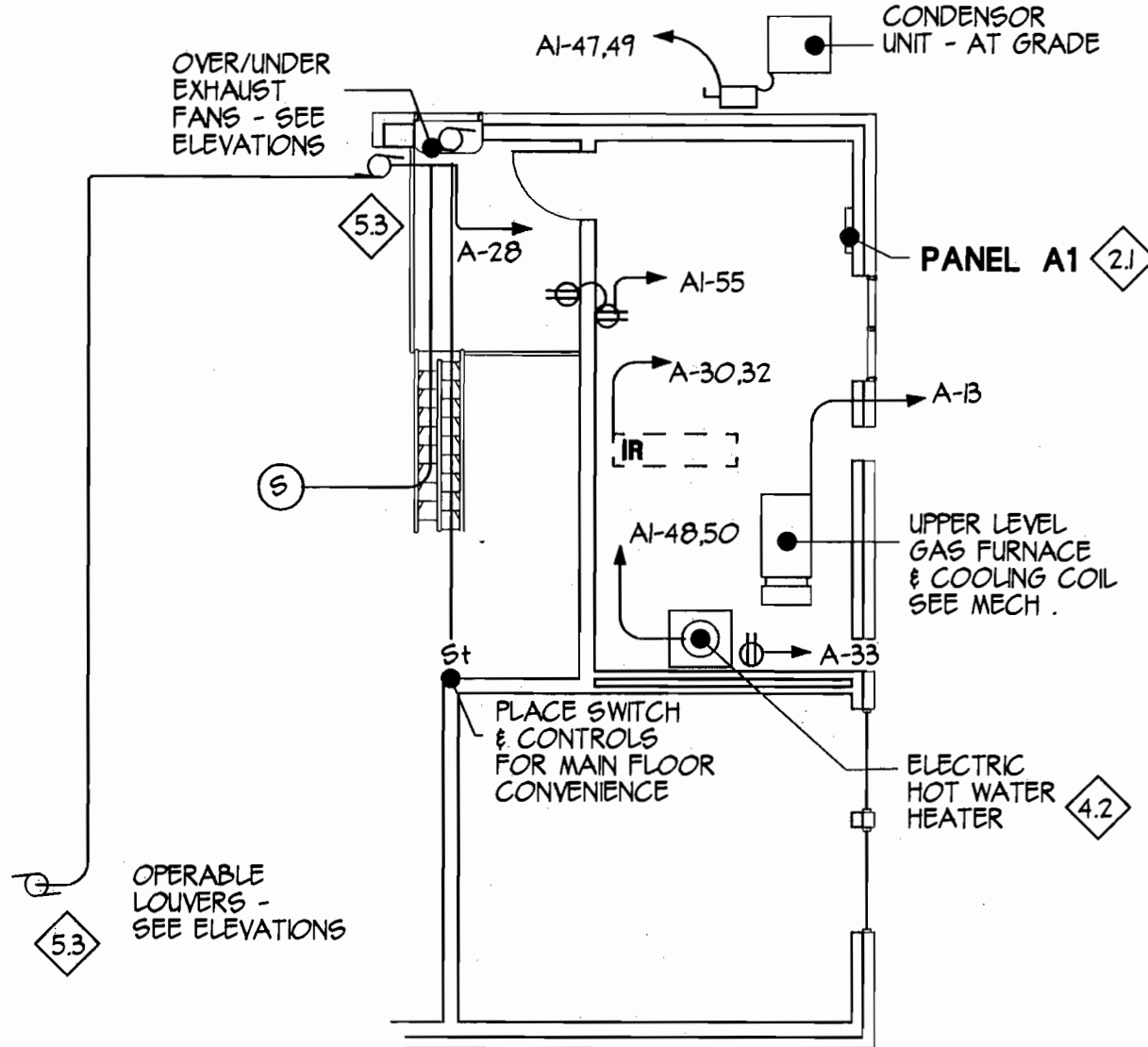
sheet 1 of 1

ELECT. BASICS
OUTLINE SPECS

E-0.1



ELECT. FLOOR PLAN DIAG. (GEN. PWR.)
E-21 SCALE: 1/8" = 1'-0"



MEZZ. DIAG. (GEN. ELECT.)
E-21 SCALE: 1/8" = 1'-0"

SYMBOLS

- MSC. OUTLET LABELS :
(GFCI = GROUND FAULT)
(• = HT. ABOVE FLR -
NO • = STD. 20" AFF)
(DED. = DEDICATED - COORD.
W/ ADJACENT EQUIP.)
(ABOVE = ATOP ADJ. PARTIAL
HT. WALL OR WORK SURFACE/
BACK SPLASH)
(WP = WATERPROOF)
- MSC. LIGHT INDICATORS :
(NL = EMERG. LT.)
(NL = UNSWITCHED NIGHT
LIGHT)
- GRD DENOTES PARA. LENS
- NEW FIXTURES, THEIR
BALLASTS, BULB TYPES,
ETC. ARE TO MATCH
ANY EXISTING PRODUCTS
BEING USED IN SIMILAR
CONDITIONS.
- UNO. MOUNT EXIST SIGN
CENTERED ABOVE EXIT DOOR.
AT WALL SIGNS, COORD.
ARROWS W/ CORRECT EXIT
PATHWAY(S)
- DASHED LINES & "X"
PREFIXES DENOTE
EXISTING CONDITIONS
- COORDINATE
INSTALL OF
APPLICABLE
AFFURTEANCE
W/ ANY OWNER
FURNISHED
PRODUCT(S).
- DB CONDUIT STUB FOR DOOR BELL
D2 DATA OUTLET PULL BOX
W/ MIN. 3/4" CONDUIT TO
ABOVE CEILING.
D4 = QUAD BOX
S SINGLE POLE SWITCH
(M DENOTES SWITCHED
MOTOR)
S3 THREE POLE SWITCH
(W/4 POLE SWITCH
AS REQD.)
S4 TIMED SWITCH
CONCEALED CONDUIT
(LABEL = PANEL CIRCUIT
?? = MARK ON AS BUILT)
EXPOSED CONDUIT
(LABEL = PANEL CIRCUIT
?? = MARK ON AS BUILT)
JUNCTION BOX
(LOCATE FOR EASY
ACCESS)
MOTOR
(COORDINATE VOLTAGE,
DISCONNECTS, ETC.)
EQUIPMENT NUMBER
(SEE EQUIPMENT PLAN)
FACP FIRE ALARM CONTROL PANEL
H FIRE ALARM HORN
S STROBE LIGHT
F HORN/ STROBE COMB.
P PULL STATION
S SMOKE/ RELATED COMBO DETECTOR
A AUDIO SYSTEM SPEAKER

GENERAL NOTES (GEN. PWR.)

- SEE OUTLINE SPECS FOR BASIC INSTALLATION CONCERNS.
- SEE KEYED NOTES FOR MORE SPECIFIC INSTALL REQUIREMENTS.
- ABBREVIATIONS AND NOTE LISTINGS ARE PROTOTYPICAL IN NATURE AND MAY CONTAIN SOME REFERENCES NOT BEING USED FOR THIS PROJECT.
- BASIC CHARACTERISTICS OF OTHER TRADE WORK MAY BE SHOWN HEREON TO AID IN DESCRIBING THE OVERALL WORK REQUIREMENTS AT TIME OF THIS SHEET'S ISSUANCE. CONTRACTOR MUST CAREFULLY REVIEW AND COORDINATE FINAL WORK WITH LATEST EDITION OF OTHER SHEETS.
- MISCELLANEOUS ELECTRICAL NOTES:
 - ANY ELECTRICAL CIRCUITRY SHOWN WAS LAID OUT TO CORRESPOND WITH PREFERRED CIRCUITRY AND/OR EQUIPMENT SELECTIONS KNOWN AT TIME OF DESIGN PREPARATION. SEE ANY APPLICABLE EQUIPMENT PLAN, CROSS CHECK/ COORD. ALL CIRCUITRY CONNECTIONS AGAINST FINAL EQUIPMENT SELECTIONS & ANY RELATED TRADE WORK SUCH AS THE CABINETRY DRAWINGS THRU WHICH SOME CIRCUITRY MAY HAVE TO PASS, AND/OR CLEAR. CHECK WITH OWNER FOR ANY ADDITIONAL OUTLET REQUESTS, EXTERIOR LIGHTING REQUESTS, CIRCUITRY & SWITCHING PREFERENCES AND/OR EXPANDED PANEL OPTIONS FOR RESERVE CAPACITY, ETC.
 - UNO. RECESS ALL WORK & POSITION CENTER OF TYP. OUTLETS AT 20" AFF. & ABOVE COUNTER OUTLETS AT 44" AFF.
 - PROVIDE GROUND FAULT CIRCUIT INTERRUPTION (GFCI) AT ANY WET AREA DEVICE(S) AND WITHIN 6 FT OF ANY OPEN WATER CONTAINMENT DEVICE.
 - SEE OWNER SUPPLIER'S DRAWINGS FOR COORD. WITH OWNER FURNISHED SYSTEMS SUCH AS PHONE, DATA, SECURITY, AUDIO- VISUAL, ETC.
- RENOVATION NOTES : (WHEN APPLICABLE)
 - SHOULD EXISTING OUTLET LOCATION CONFLICT WITH NEW MATERIAL(S) PLACEMENT, DELETE OUTLET AND REMARK BOX INTO A J-BOX/BLANK COVER POSITIONED JUST CLEAR OF NEW MATERIAL(S) REQUIREMENT(S).
 - WHEN SPACE SHOWN HEREIN IS PART OF A LARGER PROJECT, COORDINATE ANY FIRE ALARM AND/ OR CENTRAL LIGHTING TIMER WORK, ETC. WITH OVERALL FACILITY MANAGEMENT.
 - OBTAIN OWNER APPROVAL OF RE-USE OF EXISTING FIXTURES & APPROVAL OF PROPOSED FIXTURES.
- PROVIDE OWNER WITH AS BUILT DOCUMENTS MARKED UP TO REFLECT ALL FINAL INSTALLATION COORDINATION(S).

KEYED NOTES (GEN. POWER)

- THE FOLLOWING KEYED NOTES AND SUBNOTES, WHEN PLACED IN PLAN AND RELATED DRAWINGS, ARE USED TO TRY AND KEEP GRAPHICS LESS CLUTTERED WHILE STILL REFERRING ONE TO MORE DETAILED PROJECT REQUIREMENTS.
- WORK BY OTHERS : WHEN USED, THIS NOTE ATTEMPTS TO DENOTE THAT THE ITEM SHOWN IS EITHER ALREADY IN PLACE (EXISTING) OR IF NEW, IS BEING PERMITTED AND INSTALLED SEPARATE FROM THE WORK BEING DESCRIBED HEREIN.
 - ELECTRICAL : THIS MARK DENOTES APPROXIMATE LOCATION OF MAIN ELECTRICAL SERVICE COMPONENTS.
 - PANEL(S) : USE OF THIS SUBNOTE DENOTES APPROX. LOCATION OF ELECTRICAL PANEL(S). SEE RELATED ELECT. PANEL DIAGRAM(S). ASSURE MIN. 36" FRONTAL FACE CLEARANCE. COORDINATE WITH WALL FINISHES FOR ANY DEVICE SHOWN AS BEING RECESSED/ FLUSH MOUNTED.
 - SERVICE RISER ELEMENTS : USE OF THIS SUBNOTE DENOTES NEED TO SEE APPLICABLE RISER DIAGRAM NOTES FOR SERVICE ENTRANCE AND/OR EMERGENCY GENERATOR COORDINATION.
 - SITWORK : THIS MARK DENOTES APPROXIMATE LOCATION OF SITWORK REQUIRING COORDINATION WITH ELECTRICAL.
 - SITE SIGNAGE : USE OF THIS SUBNOTE DENOTES NEED TO COORDINATE A MIN. 1" CONDUIT AND RELATED CIRCUITRY TO A SITE APPURTENANCE SUCH AS SIGNAGE. FIELD COORDINATE PLACEMENT WITH OWNER REP.
 - ELECTRIC VEHICLE STATION : USE OF THIS SUBNOTE DENOTES NEED TO COORDINATE FEED TO A CHARGING STATION FOR ELECTRIC VEHICLE(S).
 - PLUMBING : THIS MARK DENOTES APPROXIMATE LOCATION OF PLUMBING TRADE WORK REQUIRING COORDINATION WITH ELECTRICAL.
 - HOT WATER HEATER : USE OF THIS SUBNOTE DENOTES APPROX. LOCATION OF AN ELECTRIC HOT WATER HEATER (HWH) FEED. SEE PLUMBING SHEETS. COORDINATE CIRCUITRY WITH FINAL HWH SPEC'S.
 - HEAT TAPE : USE OF THIS SUBNOTE DENOTES NEED TO COORDINATE WITH PLUMBING FOR THAT TRADE'S POTENTIAL USE OF HEAT TAPE FOR THIS AREA.
 - HVAC : THIS MARK DENOTES APPROXIMATE LOCATION OF HVAC TRADE WORK REQUIRING COORDINATION WITH ELECTRICAL.
 - SMOKE DETECTION SHUTDOWN : USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE, ON UNITS EXCEEDING 2000 CFM, A DUCT MOUNTED SMOKE DETECTOR CONFIGURED FOR EMERGENCY UNIT SHUTDOWN. THAT ALSO REPORTS TO ANY REQUIRED FIRE ALARM APPURTENANCE.
 - TOILET EXHAUST : USE OF THIS SUBNOTE DENOTES NEED TO COORD. ANY CIRCUITRY/ SWITCHING WITH A SMALL EXHAUST FAN. SEE LIGHTING SHEET FOR SWITCHING WITH THIS AREA'S LIGHTS. PROVIDE FEED/ SWITCHING TO RUN DURING, AND FOR MIN. 2 MINUTES FOLLOWING, ANY TOILET OCCUPANCY. IF VACUATING AIR AS PART OF FRESH AIR INTAKE REQUIREMENTS, (SEE HVAC) FEED/ SWITCH TO RUN CONTINUOUSLY DURING BUILDING OCCUPANCY.
 - AREA EXHAUST : USE OF THIS SUBNOTE DENOTES NEED TO COORDINATE A TIMED DELAY FAN STARTUP SUFFICIENT FOR INTAKE LOUVERS TO OPEN FULLY. WHEN USED IN AN AREA WHERE VEHICLE EXHAUST COULD ACCUMULATE, ALSO PROVIDE AN AUTOMATIC/ ACTUATOR INITIATED LOUVER/ FAN STARTUP VIA ACTUATOR'S SMOKE/ CARBON MONOXIDE DETECTOR'S INTERCE.
 - USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE WP, GFCI ICDV DUPLEX SERVICE OUTLET AT EXTERIOR AND/ OR ROOFTOP UNIT(S).
 - OTHER COMMON BUILDING SYSTEM(S) : THIS MARK DENOTES APPROX. LOCATION OF ADDITIONAL SYSTEM(S) BEING DESIGNED OUTSIDE OF THIS DOCUMENT PREPARATION CONTRACT. THE FOLLOWING IS SHARED AS AN AD TO CONSTRUCTOR'S FINAL FIELD COORDINATION RESPONSIBILITIES.
 - IT BACKBOARD : USE OF THIS SUBNOTE DENOTES NEED FOR A 3/4" PAINTED PLYWOOD BACKBOARD COMMON TO MANY, PHONE, DATA, AND/OR TV SYSTEMS. FIELD COORDINATE FINAL SIZE, ORIENTATION AND PLACEMENT WITH FINAL SYSTEM SELECTION. STUB A MIN. OF FOUR 3/4" CONDUIT PULLS TO A MIN. 5 FT OUTSIDE BLDG. FOR FUTURE USE DURING SYSTEM INSTALLATIONS.
 - FIRE ALARM : USE OF THIS SUBNOTE DENOTES NEED TO FIELD COORDINATE CONCEALED CONDUITS FOR USE BY THE REQUIRED FIRE ALARM (FA) APPURTENANCE. SEE ANY SEPARATE FA CONSULTANT'S DRAWINGS.
 - SECURITY SYSTEM : USE OF THIS SUBNOTE DENOTES NEED TO FIELD COORDINATE CONCEALED CONDUITS FOR USE BY A SECURITY SYSTEM APPURTENANCE AND / OR ANY SIMILAR DEVICES (IE ACCESS CONTROL DOOR HARDWARE) SEE ANY SEPARATE SECURITY CONSULTANT'S DRAWINGS.
 - OTHER SYSTEM(S) : USE OF THIS SUBNOTE, AND ANY ADJACENT ABBREVIATION DENOTES NEED TO COORDINATE CONCEALED CONDUITS AND RELATED ELECTRICAL POWER TO A DEVICE BEING SUPPLIED AS AN ENGINEERED PACKAGE.
(IE OHS = OVERHEAD SCREEN, OHD = OVERHEAD DOOR, PROJ = PROJECTOR, TV = TELEVISION, HT = HEAT TAPE, TC = TIMECLOCK, ETC.)
 - OWNER SPECIFIC FURNISHINGS, FIXTURES & EQUIPMENT (FFFE) : THIS MARK DENOTES APPROX. LOCATION OF SOME FURNISHINGS AND/ OR EQUIPMENT BEING DESIGNED OUTSIDE OF THIS DOCUMENT PREPARATION CONTRACT. THE FOLLOWING IS SHARED AS AN AD TO CONSTRUCTOR'S FINAL FIELD COORDINATION RESPONSIBILITIES.
 - FFFE PLACED IN CONSTRUCTOR'S RECEPTION, COUNTERS AND/OR CABINETS : USE OF THIS SUBNOTE DENOTES NEED TO COORDINATE MIN. 1/2" ELECTRICAL AND DATA CONDUITS FOR PLACEMENT EITHER IN A KNEESPACE AND/ OR DIRECTLY BENEATH AN OPEN KNEESPACE WORK COUNTER. EXTEND/ ANCHOR CONDUITS TO AN AREA WHERE COUNTER CONTACTS WALL, WHERE FINAL ROUTING IN WALL CAN OCCUR. EXTEND DATA CONDUIT IN THE WALL TO ABOVE CEILING FOR ACCESS. COORDINATE DATA CABLEING AND OUTLETS WITH OWNER'S EQUIPMENT BEING PROVIDED, INCLUDING ANY REQUIRED EQUIPMENT SWITCHING UPS, MODULES, COUNTERTOP PORTS, GROMMETS AND/ OR SLEEVES. ALIGN DATA OUTLET WITH ANY NEARBY ELECTRICAL OUTLET. MAINTAIN HV/ LV VOLTAGE SEPARATION.
 - BASIC FOOD SERVICE EQUIPMENT : USE OF THIS SUBNOTE DENOTES NEED TO COORDINATE SMALL KITCHEN AND/ OR BREAKROOM CIRCUITRY WITH OWNER FURNISHED FINAL SELECTIONS FOR ITS LIGHT COMMERCIAL REFRIGERATOR, OVEN/ STOVE/ EXHAUST HOOD AND FOOD DISPOSER.
 - COMMERCIAL KITCHEN AND/ OR RESTAURANT EQUIPMENT : USE OF THIS SUBNOTE DENOTES NEED TO REFER TO RELATED EQUIPMENT SHEET(S) FOR FINAL COORDINATION.
 - INSTITUTIONAL & MEDICAL EQUIPMENT : USE OF THIS SUBNOTE DENOTES NEED TO REFER TO RELATED EQUIPMENT SHEET(S) FOR FINAL COORDINATION.
 - IT EQUIPMENT : USE OF THIS SUBNOTE DENOTES NEED TO COORDINATE FEED TO OWNER'S IT AREA APPURTENANCE SUCH AS TEMPERATURE CONTROL DEVICES, ETC.
 - EMS VEHICLE "SHORELINE" : USE OF THIS SUBNOTE DENOTES APPROX. LOCATION OF A UNIQUE FACE ELECTRICAL OUTLET THAT NEEDS TO BE COORDINATED WITH OWNER'S EMS VEHICLE SPEC'S - INCLUDING A SUSPENSION DROP FROM A SECURELY ATTACHED JUNCTION BOX OVERHEAD, VIA A FLEXIBLE HEAVY DROP CORD SIZED PER EACH VEHICLE TO WHICH IT CONNECTS.
 - BUILDING MOUNTED SIGNAGE : THIS MARK DENOTES APPROX. LOCATION OF SOME OWNER FURNISHED BUILDING SIGNAGE. SEE SEPARATE SUPPLIER'S DRAWINGS FOR BASIC COORDINATION SUCH AS PLACEMENT DIMENSIONS, ETC. VERIFY OR PROVIDE FOR REQUIRED CONDUIT, J-BOX AND CIRCUIT CONNECTIONS.
 - USE OF THIS SUBNOTE DENOTES APPROX. LOCATION OF NEED FOR A J-BOX, CONDUIT AND RELATED ELECTRICAL FEED(S). CAREFULLY COORDINATE WITH RELATED BUILDING ELEMENTS.
 - USE OF THIS SUBNOTE DENOTES APPROX. LOCATION TO PLACE A DUPLEX OUTLET, NEAR CEILING PLANE ADJ. TO STOREFRONT AREA FOR FEED OF WINDOW SIGNAGE, ET. AL.
 - MISC. SPACE RENOVATION NOTES : (WHEN APPLICABLE)
 - APPURTENANCE VERIFICATION & REWORK AS NEEDED : THIS SUBNOTE, WHEN PLACED ADJACENT TO ANOTHER, DENOTES A REPORTED LOCATION OF AN EXISTING CONDITION SIMILAR TO THAT DESCRIBED IN THE ADJACENT KEYED NOTE'S TEXT. VERIFY, PROVIDE IF MISSING OR ASSURE AN APPROPRIATE RE-CONDITIONING OF ANY SO LABELED EXISTING APPURTENANCE.
 - APPURTENANCE DEMO : USE OF THIS SUBNOTE DENOTES WHERE EXISTING ELECTRICAL DEVICES ARE TO BE BLANKED OFF IN COORD. WITH, AND/ OR COVERED BY, NEW FINISHES. SEE INTERIOR DESIGN DOCS AND/ OR ANY RELATED DEMO REQUIREMENTS. REMOVE ALL SUCH ELECTRICAL APPURTENANCE BACK TO POINT OF FEED AND PLACE BLANK IN PANEL SPACE. LABEL ANY DEVICES LEFT IN PLACE ON REQD. AS BUILT DRAWINGS.
 - APPURTENANCE RE-ROUTING : USE OF THIS SUBNOTE DENOTES NEED TO REMOVE EXISTING APPURTENANCE. EXTEND CONDUIT TO NEAREST CONCEALMENT CONDITION & RE-ROUTE CIRCUIT TO A NEW J-BOX TO BE MARKED ON AS BUILT CONDITIONS.

designer's seal

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project

PROTOTYPE EMS STATION

| SHEET ISSUE DATES | | | |
|-------------------|------------------------|---------|--------------------------------|
| 6/20/14 | 90% CD PROGRESS REVIEW | 7/17/14 | UPDATED 90% CD PROGRESS REVIEW |
| 9/22/14 | PERMIT REVIEW PRINTS | | |

sheet name & number

GENERAL POWER PLAN

E-21



designer's seal

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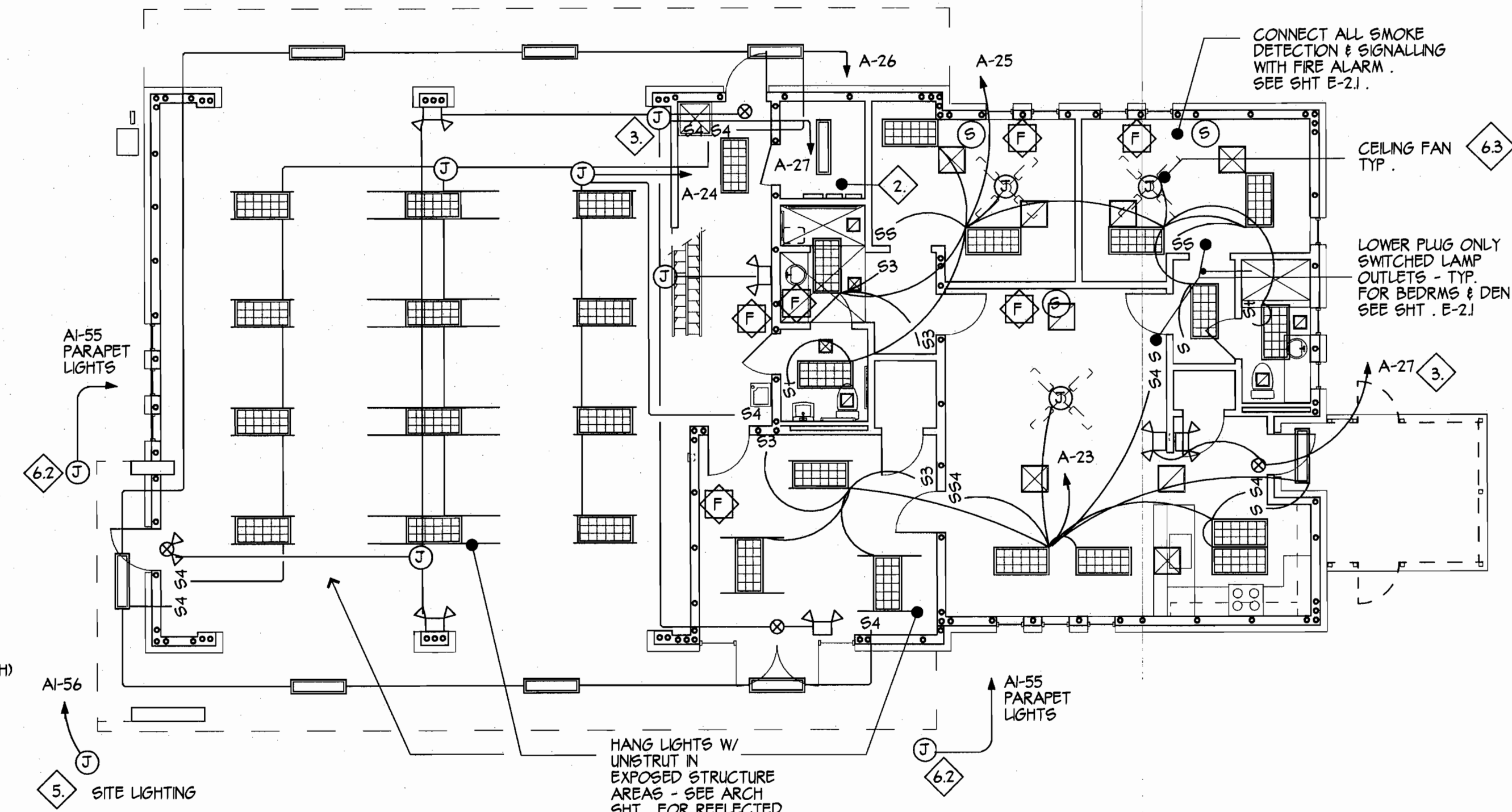
PROTOTYPE EMS STATION

| SHEET ISSUE DATES | | | |
|------------------------|---------|-----------------------|--------|
| 90% CD PROGRESS REVIEW | 6/27/14 | 90% CD PROGRESS PRINT | 7/7/14 |
| PERMIT REVIEW PRINTS | 9/22/14 | | |

sheet name & number

LIGHTING PLAN
E-2.1.1

- SYMBOLS**
- X LABEL/ PREFIX & LIGHTER LINES DENOTE AN EXIST. CONDITION
- PANELBOARD/ LABEL
- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- QUAD RECEPTACLE
- RADIANT WALL HEATER (SEE MECH)
- 1/4" FLUORESCENT
- 2X4 FLOURESCENT
- 2X2 FLOURESCENT
- STRIP FLORESCENT
- DAMP RATED RECESS LIGHT
- STOOP LIGHT
- EXIT SIGN
- EXIT SIGN W/ ADJ. EMERGENCY LIGHT COMBO
- ADJUSTABLE HEAD EMERGENCY LIGHTS (WALL MTD. NEAR CEILING)
- ADJUSTABLE HEAD EMERGENCY LIGHTS (CEILING MTD.)
- DISCONNECT
- CONDUIT STUB FOR DOOR BELL
- DATA OUTLET FULL BOX W/ MIN. 3/4" CONDUIT TO ABOVE CEILING
- D4 = QUAD BOX
- S SINGLE POLE SWITCH (M DENOTES SWITCHED MOTOR)
- S3 THREE POLE SWITCH (W/ 4 POLE SWITCH AS REQD.)
- S4 TIMED SWITCH
- CONCEALED CONDUIT (LABEL = PANEL CIRCUIT ?? = MARK ON AS BUILT)
- EXPOSED CONDUIT (LABEL = PANEL CIRCUIT ?? = MARK ON AS BUILT)
- JUNCTION BOX (LOCATE FOR EASY ACCESS)
- MOTOR (COORDINATE VOLTAGE, DISCONNECTS, ETC.)
- EQUIPMENT NUMBER (SEE EQUIPMENT PLAN)
- FACP FIRE ALARM CONTROL PANEL
- H FIRE ALARM HORN
- S STROBE LIGHT
- F HORN/ STROBE COMB.
- P PULL STATION
- S SMOKE/ RELATED COMBO DETECTOR
- A AUDIO SYSTEM SPEAKER
- MISC. OUTLET LABELS :
(GFCI = GROUND FAULT)
(* = HT. ABOVE FLR - NO * = STD. 20" AFF)
(DEP. = DEDICATED - COORD. W/ ADJACENT EQUIP.)
(ABOVE = ATOP ADJ. PARTIAL HT. WALL OR WORK SURFACE/ BACK SPLASH)
(WP = WATERPROOF)
- MISC. LIGHT INDICATORS :
(ML = EMERG. LT.)
(NL = UNSWITCHED NIGHT LIGHT)
- GRD DENOTES PARA. LENS - NEW FIXTURES, THEIR BALLASTS, BULB TYPES, ETC. ARE TO MATCH ANY EXISTING PRODUCTS BEING USED IN SIMILAR CONDITIONS.
- UNO. MOUNT EXIT SIGN CENTERED ABOVE EXIT DOOR.
- AT WALL SIGNS, COORD. ARROWS W/ CORRECT EXIT PATHWAY (S)
- DASHED LINES & " X " PREFIXES DENOTE EXISTING CONDITIONS
- COORDINATE INSTALL OF APPLICABLE APPURTENANCE W/ ANY OWNER FURNISHED PRODUCT (S).



ELECT. REFLECTED CEILING/ LIGHTING PLAN (RCLP) - MAIN LEVEL
E-2.1 SCALE: 1/8" = 1' - 0"

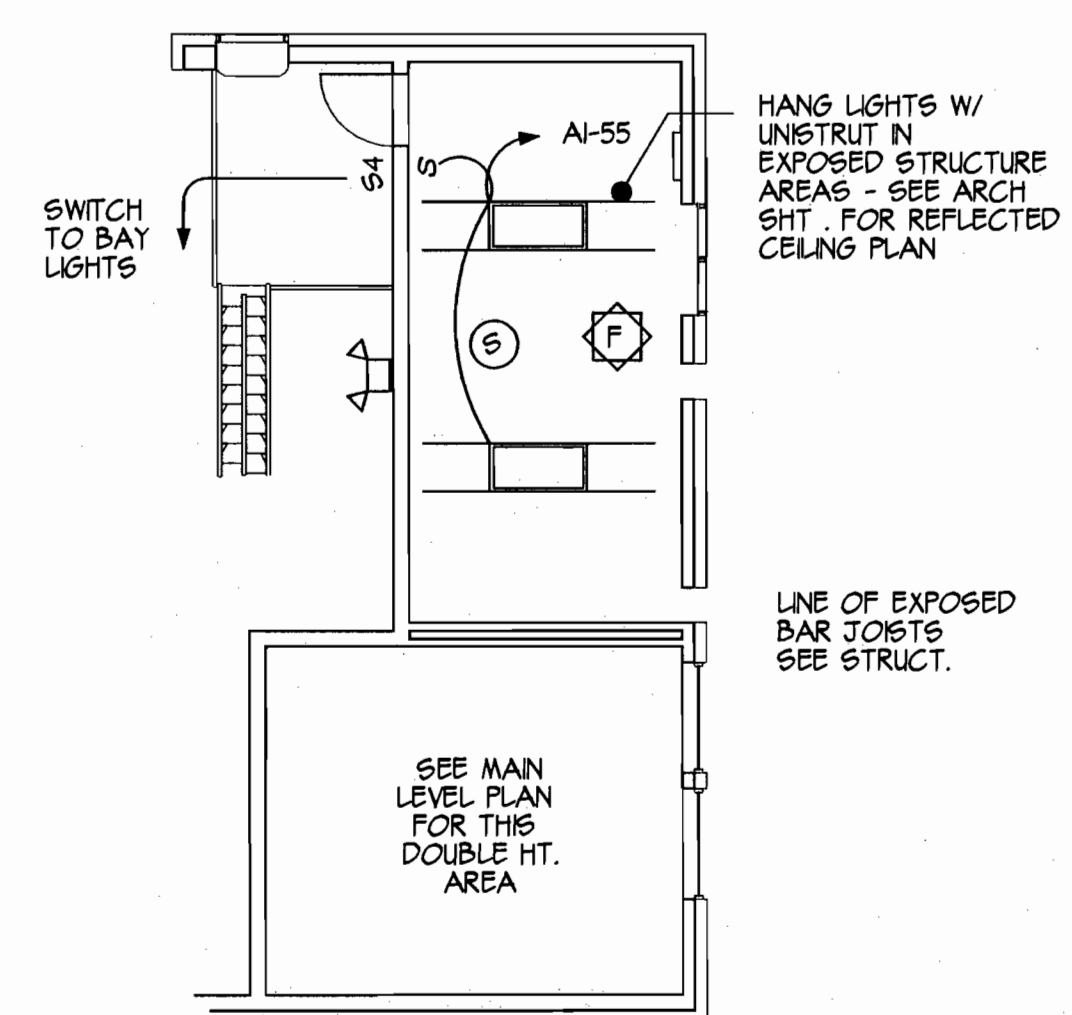
GENERAL NOTES (LIGHTG.)

- SEE OUTLINE SPECS FOR BASIC INSTALLATION CONCERNS.
- SEE KEYED NOTES FOR MORE SPECIFIC INSTALL REQUIREMENTS.
- ABBREVIATIONS AND NOTE LISTINGS ARE PROTOTYPICAL IN NATURE AND MAY CONTAIN SOME REFERENCES NOT BEING USED FOR THIS PROJECT.
- BASIC CHARACTERISTICS OF OTHER TRADE WORK MAY BE SHOWN HEREON TO AID IN DESCRIBING THE OVERALL WORK REQUIREMENTS AT TIME OF THIS SHEET'S ISSUANCE. CONTRACTOR MUST CAREFULLY REVIEW AND COORDINATE FINAL WORK WITH LATEST EDITION OF OTHER SHEETS.
- MISCELLANEOUS NOTES AS APPLICABLE:
 - UNLESS NOTED OTHERWISE PROVIDE LIGHTING IN OWNER SELECTED COLOR (S) COORDINATED PER APPLICABLE MOUNTING CONDITION. PROVIDE ALL ENERGY SAVING OPTIONS. COORDINATE BULB CONFIGURATION AND POSITION IN COORDINATION WITH OCCUPANT SELECTION AND ANY MINIMAL FOOTCANDLE ILLUMINATION REQUIREMENTS, AND/ OR OTHER REQD. SYSTEM INTERFACE. MATCH EXISTING WHEN APPLICABLE - OTHERWISE PROVIDE NEW PRODUCTS COMPARABLE TO :
 - LITHONIA ST SERIES AT ALL NEW 2 X 4 LIGHTS.
 - LITHONIA ?? SERIES AT ALL NEW 1 X 4 LIGHTS.
 - LITHONIA HQM SERIES EXIT SIGN/ EMERG LIGHTS WITH HIGH OUTPUT RECTANGULAR EMERGENCY LIGHTS AND SIGN COLOR PER OWNER PREFERENCE.
 - COORDINATE WITH OWNER FOR ANY ADDITIONAL INTERIOR AND/ OR EXTERIOR LIGHTING NEEDS, SPECIFIC LIGHT TYPES AND/ OR CHANGES, CIRCUITRY AND/ OR SWITCHING PREFERENCES, ETC.
 - OBTAIN OWNER APPROVAL OF PROPOSED FIXTURES, INCLUDING ANY PROPOSED RE-USE FIXTURES ON EXISTING SPACE RENOVATIONS.
 - COORDINATE WITH OWNER SUPPLIER'S DRAWINGS AND/ OR DATA RELATED TO ANY SPECIALTY AND/ OR DECORATIVE LIGHT (S).
 - SEE REFLECTED CEILING PLAN NOTES RE. CEILING HEIGHTS, LAYOUT INTERFACE W/ FIRE ALARM, FIRE SUPPRESSION AND/ OR SPRINKLER SYSTEMS, HVAC REGISTERS ARE SHOWN HEREON.
 - FIELD VERIFY AND COORDINATE WITH ALL FINAL TRADE INSTALLATION (S).
 - SEE PANEL SHEET AND RIGER DIAGRAM FOR ANY REQUIRED SUPPLEMENTS SUCH AS TIMERS AND/ OR LIGHTS OUT FUNCTIONS. WHEN WORK IS PART OF A LARGER PROJECT, COORDINATE SUCH WORK WITH OVERALL FACILITY MANAGEMENT.
- WHERE SOME REQUIRED MATERIALS INTERFACE MAY STILL BE IN QUESTIONS. (EGP. WHERE EXISTING MATERIALS CONCEAL NATURE OF OVERHEAD STRUCTURE AT TIME OF THIS DESIGN DOC. PREP.) CONTRACTOR IS REQUIRED TO CONVEY ANY QUESTIONABLE CONDITIONS TO ARCHITECT. CONTRACTOR MUST ASSURE ANY FURTHER NEEDED DESIGNER INPUT AND PROVIDE FOR FULLY BRACED, HIGH STRENGTH & SECURE MOUNTING OF ALL OVERHEAD ELEMENTS.
- PROVIDE OWNER WITH AS BUILT DOCUMENTS MARKED UP TO REFLECT ALL FINAL INSTALLATION COORDINATION (S).

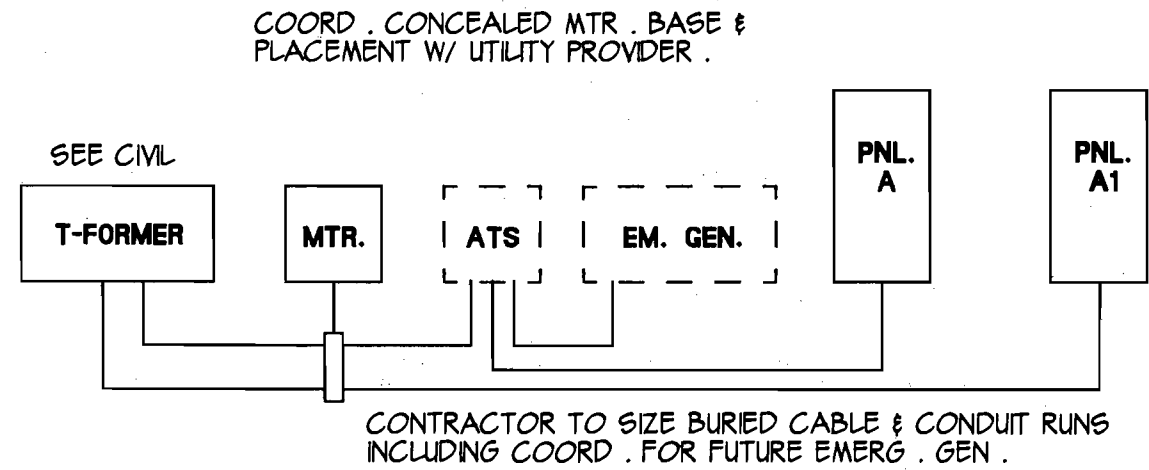
2 ELECT. RCLP PLAN - MEZZANINE
E-2.1 SCALE: 1/8" = 1' - 0"

KEYED NOTES (LIGHTG.)

- THE FOLLOWING KEYED NOTES AND SUBNOTES, WHEN PLACED IN PLAN AND RELATED DRAWINGS ARE USED TO TRY AND KEEP GRAPHICS LESS CLUTTERED WHILE STILL REFERRING ONE TO MORE DETAILED PROJECT REQUIREMENTS.
- WORK BY OTHERS : WHEN THIS KEYED NOTE IS LOCATED ALONGSIDE ANOTHER, IT DENOTES THAT WORK BEING DESCRIBED IS EITHER ALREADY IN PLACE (EXISTING) OR IF NEW, IS BEING PERMITTED AND INSTALLED SEPARATE FROM THE OWNER BUILDOUT BEING DESCRIBED HEREIN. SEE OUTLINE SPECS FOR EXISTING WORK COORDINATION NOTES.
 - PANEL (S) : THIS MARK DENOTES APPROX. LOCATION OF ELECTRICAL PANEL (S) FOR THIS OCCUPANT. SEE ELECT. PANEL SHEET (S).
 - USE OF THIS SUBNOTE DENOTES APPROX. LOCATION OF AN EXISTING PANEL THAT IS TO BE RELOCATED/ RE-ROUTED TO PROPOSED NEW LOCATION.
 - USE OF THIS SUBNOTE DENOTES NEED TO VERIFY THAT, DUE TO SPACE'S 24 HOUR ACCESS POLICY, THAT ALL OF MAIN AREA LIGHTS AND RELATED APPURTENANCE ARE TO BE SWITCHED ONLY AT PANEL. VERIFY OR PROVIDE LOCKING MECHANISM AT PANEL.
 - THIS MARK DENOTES APPROX. LOCATION (S) OF REQUIRED EXIT & EMERGENCY LIGHT CIRCUIT (S). IF FED OFF AN EXTRA CONDUCTOR IN LIGHTING CIRCUIT, ASSURE AN UNSWITCHED CONDITION.
 - THIS MARK, WHEN USED, DENOTES LOCATION (S) OF NIGHT LIGHT (S). IF FED OFF AN EXTRA CONDUCTOR IN LIGHTING CIRCUIT, ASSURE AN UNSWITCHED CONDITION. WHERE REQUIRED, INTERFACE NIGHT LIGHT WITH A TIMER SO AS TO ALSO MEET ANY REQD. FULL LIGHTS OUT CONDITIONS.
 - THIS MARK, WHEN USED, DENOTES THAT ANY REQUIRED EXTERIOR SITE LIGHTING IS INDICATED ON DOCUMENTS PROVIDED BY OTHERS.
 - MISC. COORDINATION NOTES :
 - USE OF THIS SUBNOTE DENOTES PROPOSED LOCATION (S) OF OWNER FURNISHED CONTRACTOR INSTALLED SPECIALTY LIGHT (S). FIELD COORDINATE REQUIRED LOCATION (S), ANY UNIFORM CABINET ALIGNMENTS, ETC. WITH ANY REQUIRED TILE BACKING AND/ OR BRACKETING.
 - USE OF THIS SUBNOTE DENOTES PROPOSED LOCATION (S) OF OWNER FURNISHED CONTRACTOR INSTALLED DECORATIVE SPOT LIGHTS INTENDED TO HIGHLIGHT ARTWORK, LOGO (S) AND/ OR QUALIFICATION SHINGLE (S). COORDINATE EXACT LOCATION (S) AND ANY REQUIRED TILE BACKING AND/ OR BRACKETING WITH FINAL OWNER REQUIRED LIGHT POSITIONING. AT RETROFIT LOCATIONS, VERIFY SUFFICIENT AMP AVAILABILITY & FEED OFF EXISTING LIGHTING CIRCUIT. COORD. ANY INDEPENDENT SWITCHING AS PER OWNER REQUIREMENTS.
 - USE OF THIS SUBNOTE DENOTES PROPOSED LOCATION (S) OF OWNER FURNISHED CONTRACTOR INSTALLED CEILING FAN (S). PROVIDE MFR. APPROVED SUSPENSION ROD AND CEILING MATERIAL INTERFACE/ COVERS, ETC. ATTACH TO STRUCTURE VIA UNISTRUT SUPPORTED MIN. 3/8" THREADED ROD. ALIGN ANY EXPOSED SUPPORTS WITH STRUCTURE AND SECURE ALL ANCHOR POINTS WITH MIN. DOUBLE NUT & LOCK WASHER. AT RETROFIT LOCATIONS, VERIFY SUFFICIENT LOW AMP AVAILABILITY & FEED OFF EXISTING LIGHTING CIRCUIT. COORD. ANY INDEPENDENT SWITCHING AS PER OWNER REQUIREMENTS.
 - USE OF THIS SUBNOTE DENOTES NEED TO COORDINATE WITH RECESSED LIGHTING FIXTURE OPTION FOR THE PRE-MANUFACTURED SHOWER STALL. IF NOT AVAILABLE FROM AN ALT. SUPPLIER, COORD. WET LOCATION RECESSED CAN HOUSING TO CORRESPOND WITH OWNER SELECTION OF EITHER A 4" OR 6" RECESSED TRIM COMPARABLE TO LITHONIA H20 SERIES UNITS.
 - USE OF THIS SUBNOTE DENOTES NEED TO PROVIDE A DEDICATED CIRCUIT FOR TOILET AREA (S) AND COORDINATE A MIN. TWO MINUTE DELAY ON TOILET EXHAUST FAN SWITCH.
 - USE OF THIS SUBNOTE DENOTES PROPOSED LOCATION (S) OF AN OWNER FURNISHED CONTRACTOR INSTALLED SUSPENDED SPECIALTY SUCH AS AN OVERHEAD TV, OR TRADE SPECIALTIES LIGHT. WHERE A PRE-MANUFACTURED MOUNTING DEVICE IS NOT AVAILABLE FROM SUPPLIER, PROVIDE AN INVERTED TRFOD ABOVE CEILING PLANE CONSTRUCTED OF MIN. 2 X 2 X 1/8" ANGLE IRON LEGS SPAYED AT UNIFORM MIN. 30 AND MAX. 60 DEGREE ANGLE AND CONNECTED AT THE CEILING PLANE TO MIN. 1/4" THICK STEEL PLATE. ATTACH PLATE TO LEGS WITH MIN 3/8" HIGH STRENGTH BOLTS AND LOCK WASHERS IN MANUFACTURER APPROVED PATTERN. SUSPEND LEGS FROM UNISTRUT SUPPORTED MIN. 3/8" THREADED ROD. ALIGN ANY EXPOSED SUPPORTS WITH STRUCTURE AND SECURE ALL ANCHOR POINTS WITH MIN. DOUBLE NUT & LOCK WASHER. FOR RENOVATION WORK, FEED UNIT (S) OUT OF EXISTG. CIRCUIT/ CONDUITS WHERE POSSIBLE.
 - USE OF THIS SUBNOTE DENOTES APPROX. LOCATIONS FOR INDEPENDENTLY HUNG EXPOSED AREA LOCATION FIXTURE. COORDINATE HANGERS FOR UNIFORM APPEARANCE AND OTHER REQUIRED MATERIAL INTERFACE. E EXPOSED AND/ OR REWORKED DUCTS.
 - USE OF THIS SUBNOTE DENOTES NEED TO COORD. FIXTURE ALCOVE WITH SEPARATE TRADE (S).
 - MISC. SPACE RENOVATION NOTES :
 - NOT USED.



| PANELBOARD SCHEDULE | | | | | | | | | | | | | | |
|------------------------------|-------|-----------------|---------------------------|-----|------------|-------------------|---|----------------|-----|-----|--------------------------|-------|-----------|--|
| PANEL: A | | | 22,000 AIC FAULT DUTY | | | TYPE: SURF./NEMA1 | | | | | | | | |
| VOLTAGE: 120/240 - 1 PH., 3W | | | | | | MAIN: 200 AMP | | | | | | | | |
| DEVICE | | BRANCH CIRCUIT | | | PHASE LOAD | | | BRANCH CIRCUIT | | | DEVICE | | | |
| AMPS TRIP | POLES | CLASS OR RATING | DESIGNATION | KVA | NO. | KVA PER ϕ | | | NO. | KVA | CLASS OR RATING | POLES | AMPS TRIP | |
| | | | | | | A | B | C | | | | | | |
| | | | QUAD - LOBBY WORKSTATION | | 1 | | | | 2 | | GEN REC - EXTERIOR | | | |
| | | | GEN RECS - LOBBY & DEN | | 3 | | | | 4 | | DED REC - COMMUNICATIONS | | | |
| | | | DED REC - REFRIGERATOR | | 5 | | | | 6 | | GEN REC - APPARATUS AREA | | | |
| | | | QUADS - KITCHEN COUNTER | | 7 | | | | 8 | | DED REC - EMS VEHICLE #1 | | | |
| | | | GEN RECS - ADA BED & BATH | | 9 | | | | 10 | | | | | |
| | | | GEN RECS - STD BED & BATH | | 11 | | | | 12 | | DED REC - EMS VEHICLE #2 | | | |
| | | | HVAC AIR HANDLER | | 13 | | | | 14 | | | | | |
| | | | OH DOOR #1 | | 15 | | | | 16 | | OH DOOR #3 | | | |
| | | | | | 17 | | | | 18 | | | | | |
| | | | OH DOOR #2 | | 19 | | | | 20 | | OH DOOR #4 | | | |
| | | | | | 21 | | | | 22 | | | | | |
| | | | LIGHTS - LIVING AREAS | | 23 | | | | 24 | | LIGHTS - APPARATUS AREA | | | |
| | | | LIGHTS - BEDROOM AREAS | | 25 | | | | 26 | | LIGHTS - EXTERIOR | | | |
| | | | LIGHTS - EMERGENCY | | 27 | | | | 28 | | BAY AREA FANS & LOUVERS | | | |
| | | | INFRARED ELECT. HTR. #1 | | 29 | | | | 30 | | INFRARED ELECT. HTR. #2 | | | |
| | | | | | 31 | | | | 32 | | | | | |
| | | | MEZZ. WATER PPE HEAT TAPE | | 33 | | | | 34 | | SPARE ??? | | | |
| | | | SPARE ??? | | 35 | | | | 36 | | SPARE ??? | | | |
| | | | SPARE ??? | | 37 | | | | 38 | | SPARE ??? | | | |
| | | | SPARE ??? | | 39 | | | | 40 | | SPARE ??? | | | |
| | | | SPARE ??? | | 41 | | | | 42 | | SPARE ??? | | | |
| TOTAL | | | | | | | | | | | ?? KVA X 125/.360 = ?? A | | | |



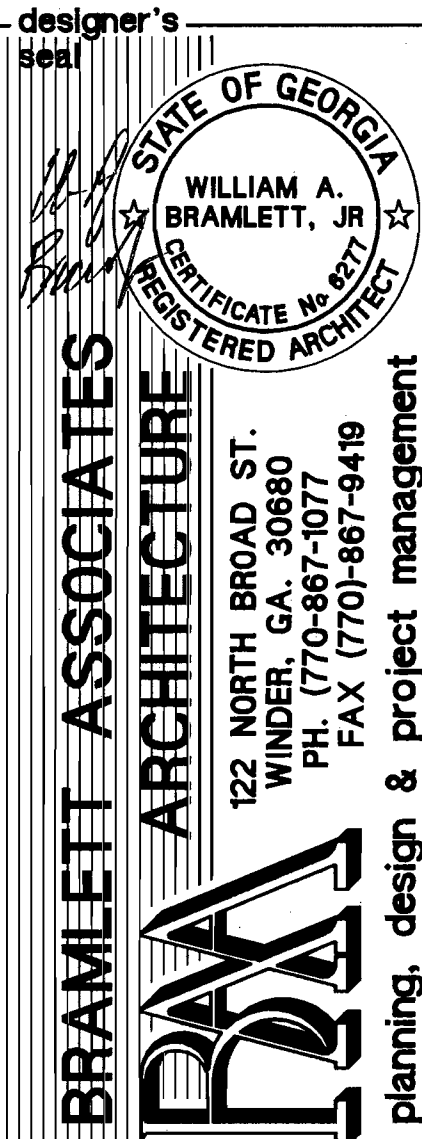
RISER DIAGRAM

GENERAL NOTES: SEE FLOOR & CEILING PLANS

| PANELBOARD SCHEDULE | | | | | | | | | | | | | | |
|----------------------------|-------|-----------------|--------------------------|-----|------------|-------------------|---|----------------|-----|-----|--------------------------|-------|-----------|--|
| PANEL: A1 | | | 22,000 AIC FAULT DUTY | | | TYPE: SURF./NEMA1 | | | | | | | | |
| VOLTAGE: 120/240-1 PH., 3W | | | | | | MAIN: 200 AMP | | | | | | | | |
| DEVICE | | BRANCH CIRCUIT | | | PHASE LOAD | | | BRANCH CIRCUIT | | | DEVICE | | | |
| AMPS TRIP | POLES | CLASS OR RATING | DESIGNATION | KVA | NO. | KVA PER ϕ | | | NO. | KVA | CLASS OR RATING | POLES | AMPS TRIP | |
| | | | | | | A | B | C | | | | | | |
| | | | DED REC - OVEN/STOVE | | 43 | | | | 44 | | DED REC - CLOTHES DRYER | | | |
| | | | | | 45 | | | | 46 | | | | | |
| | | | AC CONDENSER | | 47 | | | | 48 | | HOT WATER HEATER | | | |
| | | | | | 49 | | | | 50 | | | | | |
| | | | DED REC - DEN TV | | 51 | | | | 52 | | DED REC - WASHER | | | |
| | | | DED REC - KITCH DISPOSAL | | 53 | | | | 54 | | DED REC - WATER COOLER | | | |
| | | | MISC SIGNAGE & MEZZANINE | | 55 | | | | 56 | | STIE LIGHTING | | | |
| | | | SPARE ??? | | 57 | | | | 58 | | SPARE ??? | | | |
| | | | SPARE ??? | | 59 | | | | 60 | | SPARE ??? | | | |
| | | | SPARE ??? | | 61 | | | | 62 | | SPARE ??? | | | |
| | | | SPARE ??? | | 63 | | | | 64 | | SPARE ??? | | | |
| | | | SPARE ??? | | 65 | | | | 66 | | SPARE ??? | | | |
| | | | SPARE ??? | | 67 | | | | 68 | | SPARE ??? | | | |
| | | | SPARE ??? | | 69 | | | | 70 | | SPARE ??? | | | |
| | | | SPARE ??? | | 71 | | | | 72 | | SPARE ??? | | | |
| | | | SPARE ??? | | 73 | | | | 74 | | SPARE ??? | | | |
| | | | SPARE ??? | | 75 | | | | 76 | | SPARE ??? | | | |
| | | | SPARE ??? | | 77 | | | | 78 | | SPARE ??? | | | |
| | | | SPARE ??? | | 79 | | | | 80 | | SPARE ??? | | | |
| | | | SPARE ??? | | 81 | | | | 82 | | SPARE ??? | | | |
| | | | SPARE ??? | | 83 | | | | 84 | | SPARE ??? | | | |
| TOTAL | | | | | | | | | | | ?? KVA X 125/.360 = ?? A | | | |

KEYED NOTES: THE FOLLOWING NOTES ARE PROTOTYPICAL, SO SOME MAY NOT BE APPLICABLE TO THIS PROJECT.

- WORK BY OTHERS: WHEN THIS KEYED NOTE IS LOCATED ALONGSIDE ANOTHER, IT DENOTES THAT WORK BEING DESCRIBED IS EITHER ALREADY IN PLACE (EXISTING) OR IF NEW IS BEING PERMITTED AND INSTALLED SEPARATE FROM THE CONSTRUCTION BEING DESCRIBED HEREIN. WHEN APPLICABLE, SEE OUTLINE SPECS FOR EXISTING WORK COORDINATION NOTES.
- SERVICE ENTRANCE & PANELBOARD: ANY FEEDER AND/OR PANEL CHARACTERISTICS IS AN APPROXIMATION. BUILDER TO CALCULATE AND ON HIS AS-BUILTS - ALL FINAL COORDINATION OF SIZING SUFFICIENCIES. FOR ANY THREE (3) PHASE WORK, SHOW CLOSE BALANCING OF EACH PHASE.
 - USE OF THIS SUBNOTE DENOTES THAT NO PANELBOARD EXISTS AND A NEW PANEL IS REQUIRED AT END OF FEEDER RUN BACK TO METER BASE/ DISCONNECT, SIZED AS PER POTENTIAL FULL MAIN PANEL LOAD.
 - USE OF THIS SUBNOTE DENOTES THAT ELECTRICAL PANEL BOARD(S) ARE IN PLACE AND MUST BE RE-WORKED AT EXISTING LOCATION.
 - USE OF THIS SUBNOTE DENOTES THAT EXISTING PANELBOARD IS TO BE RELOCATED/ RE-WORKED AS SHOWN OR RE-PLACED IF NEEDED.
- MISCELLANEOUS NOTES:
 - USE OF THIS SUBNOTE DENOTES A LOCATION OF A SINGLE PHASE CIRCUIT WHERE A POSSIBLE THREE (3) PHASE PRODUCT MAY BE PLACED. THEREFORE, A SPARE HAS BEEN RESERVED FOR THAT POSSIBLE THIRD LEG. (IE 3 PH. EMERG. STRIP HEAT WITHIN A SINGLE PHASE QUICKSHIP HEAT PUMP UNIT)
 - USE OF THIS SUBNOTE DENOTES THAT SPARES HAVE BEEN RESERVED FOR POSSIBLE EXTRA HVAC OR OTHER UNPLANNED EQUIPT. CIRCUITS.
 - USE OF THIS SUBNOTE DENOTES THAT THE FRESH AIR EXHAUST FAN(S) SHOULD BE INTERLOCKED TO RUN CONTINUOUSLY DURING SPACE OCCUPANCY. REVIEW WITH OWNER ABOUT SWITCHING ALONGSIDE LOBBY LIGHTS.
 - USE OF THIS SUBNOTE DENOTES NEED TO COORD. WITH OWNER, FACILITY MANAGEMENT, AND/OR LOCAL ORDINANCE, FOR POSSIBLE REQUIREMENT TO ROUTE NON-EMERGENCY LIGHT/ SIGN CIRCUIT(S) THRU AN ELECTRICAL TIME SWITCH FOR AUTO SHUTOFF DURING TIME SPACE IS UNOCCUPIED.
 - USE OF THIS SUBNOTE DENOTES THAT A SMOKE DETECTOR/ FIRE EVENT SHUTDOWN INTERFACE APPEARS TO BE REQUIRED AT AN HVAC UNIT EXCEEDING 5 TON (2000 CFM). VERIFY AND COORDINATE WITH FINAL EQUIPMENT BEING USED.
- COMMERCIAL FOOD PREP NOTES:
 - USE OF THIS SUBNOTE DENOTES THAT, PER NEC TABLE 220.56, THE KITCHEN EQUIPT PORTION OF SVC. CALCS HAS A 65% DEMAND FACTOR APPLIED.
 - USE OF THIS SUBNOTE DENOTES THAT A ??? AMP BREAKER IS SHOWN FOR LAST DISCUSSED EQUIPT. LOAD. COORDINATE WITH OWNER'S FINAL EQUIPT. ORDER.



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project
PROTOTYPE EMS
STATION

| SHEET ISSUE DATES | | UPDATED 10% CD PROGRESS REVIEW | | PERMIT REVIEW PRINTS | |
|-------------------|--|--------------------------------|--|----------------------|--|
| 7/17/14 | | 9/22/14 | | | |
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sheet name
number:
RISER &
PANELS
E-3.1