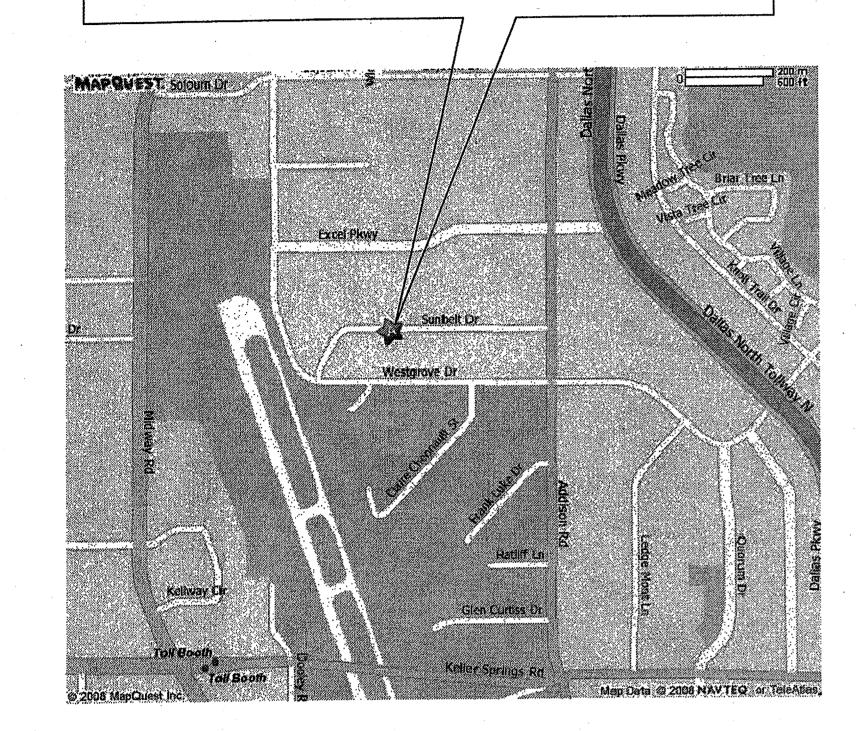
4393 SUNBELT DR. ADDISON, TEXAS 75001



Location Map

ZONING / CODE ANALYSIS:

BUILDING CODE:

2006 INTERNATIONAL BUILDING CODE
WITH ADDISON AMENDMENTS

PLUMBING CODE:

2006 INTERNATIONAL PLUMBING CODE

PLUMBING CODE:

2006 INTERNATIONAL PLUMBING CODE
WITH ADDISON AMENDMENTS

MECHANICAL CODE:
2006 INTERNATIONAL MECHANICAL CODE
WITH ADDISON AMENDMENTS

ELECTRICAL CODE: 2006 INTERNATIONAL ELECTRIC CODE WITH ADDISON AMENDMENTS

FIRE PREVENTION CODE: 2006 INTERNATIONAL FIRE CODE WITH ADDISON AMENDMENTS

ENERGY CODE: 2006 INTERNATIONAL ENERGY CODE WITH ADDISON AMENDMENTS

OCCUPANCY GROUP

BILLIDING FULLY

NEW SPRINKLER WORK PART OF SCOPE

BUILDING FULLY NEW SPRINKLER WORK PART OF SPRINKLERED

NUMBER OF 2 PER TABLE 1019.1 REQUIRED EXITS:

NUMBER OF EXITS 5
PROVIDED:

MAXIMUM DISTANCE 300' PER TABLE 1016.1
TO AN EXIT:

MAXIMUM DISTANCE 50' PER SECTION 1017.3
DEAD END CORRIDOR:

SQUARE FOOTAGE: 11,162 USF
OCCUPANCY LOAD: 112 PERSONS

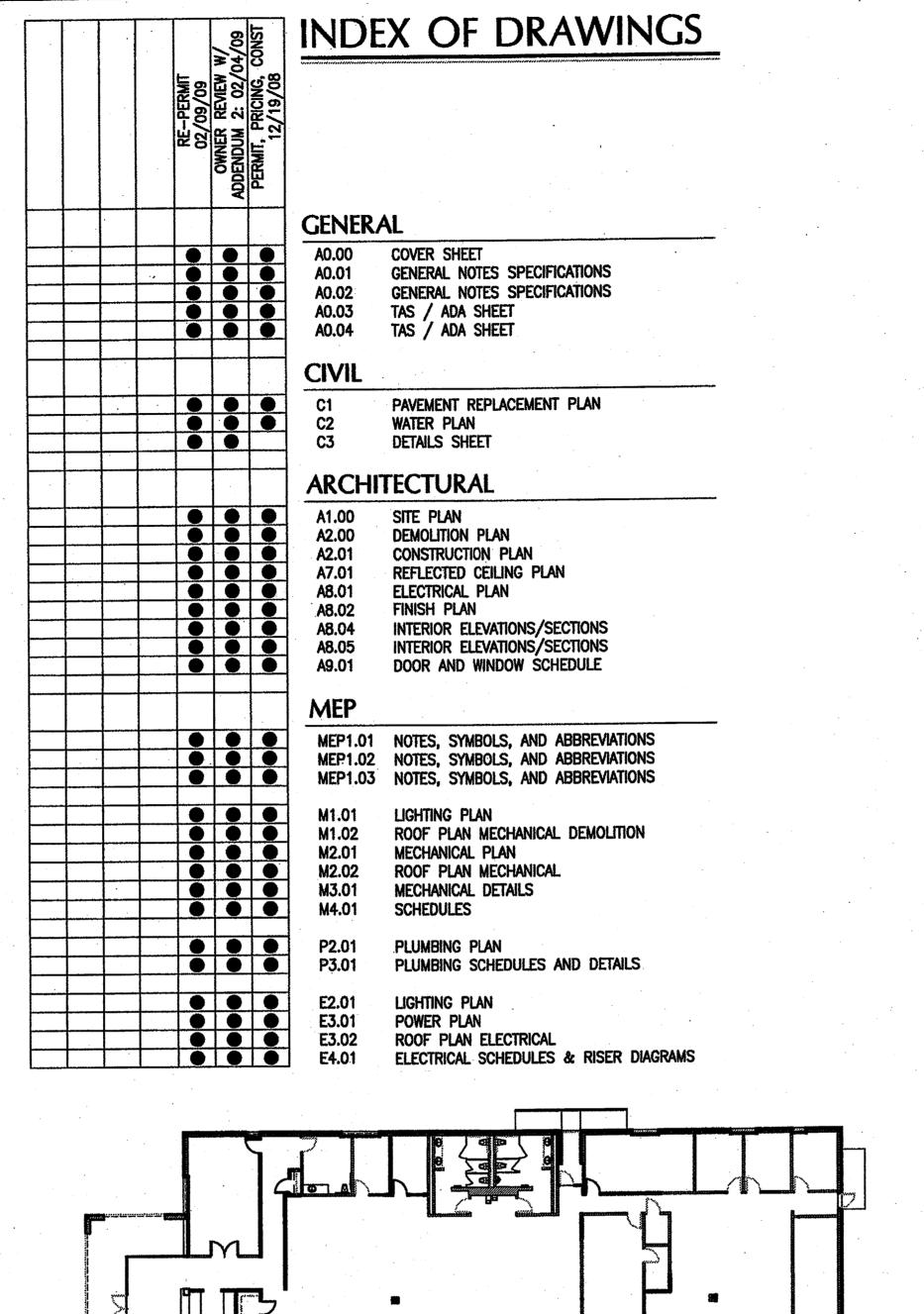
T.A.S. REVIEW & FIELD INSPECTION:

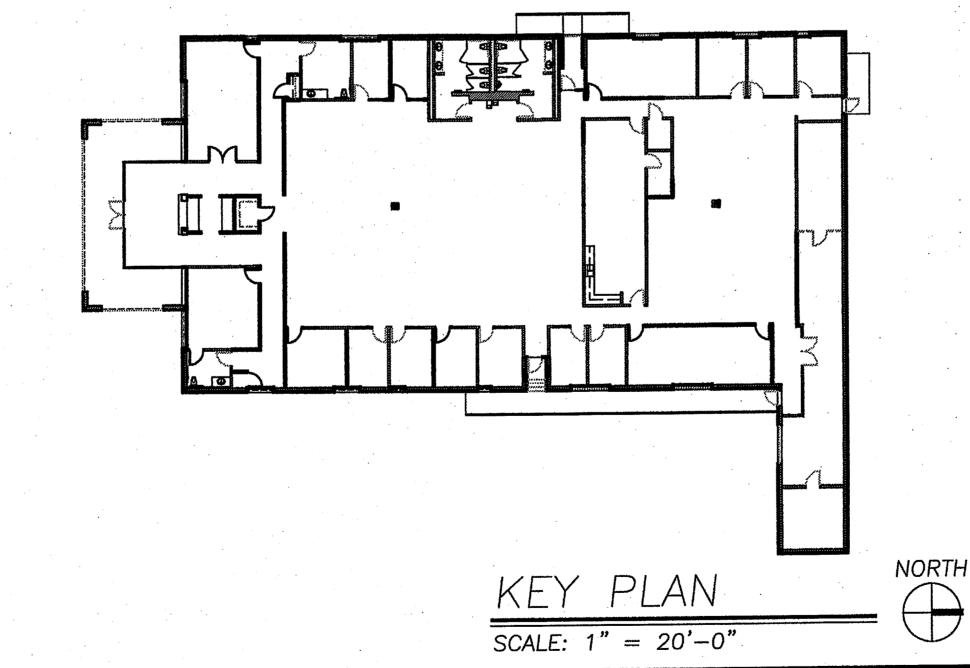
THE TEXAS ACCESSIBILITY STANDARD PLAN
REVIEW FOR THIS PROJECT WAS PROVIDED BY:

CONTACT NAME TODD LOZANO

EDS
6101 WOODVIEW AVENUE
AUSTIN TX 78757
PHONE 888-641-0806
FAX: 888-844-0473
EMAIL: ecdaccess@sbcglobalnet

OWNER PLEASE NOTE:
AT THE COMPLETION OF CONSTRUCTION,
CONTACTING THE ABOVE ORGANIZATION FOR
THE STATE MANDATED FIELD INSPECTION IS
REQUIRED.





JANI KING

4393 SUNBELT DR. ADDISON, TEXAS 75001

© 2009 MERRIMAN ASSOCIATES/ARCHITECTS, INC.

CLIENT CONTACT

CHUCK SACKLEY JANIKING 16885 DALLAS PARKWAY ADDISON, TX 75001

CELL: 214.213.6287 OFFICE: 972.378.5848 EMAIL: mvsackley@verizon.net A0.00

Project Number 2008195

95 15171 F OF TE

FEBRUARY 9, 2009

△ Revisions

ADDENDUM 2 01-29-09

architects



merriman associates

architecture · planning interior design

300 N. FIELD ST.

DALLAS, TEXAS 75202

214.987.1299

214.987.2138 (FAX)

CONTACT: TRACY LEE

CIVIL CONSULTANT

O'DONALD ENGINEERING

BRANDON O'DONALD

1601 EAST LAMAR BLVD. #116 ARLINGTON, TX 76011 PH: 817.794.0202 FAX: 817.548.8430 EMAIL: brandon@odengineering.com STRUCTURAL CONSULTANT

TECHNISTRUCTURES INC.

KEITH LESLIE

5220 McKINNEY AVE.
SUITE 300
DALLAS, TX
PH: 214.528.1725
FX: 214.528.1728
EMAIL: keith@technistructures.com

MEP CONSULTANT

S. TOUB & ASSOCIATES

SAM TOUB

13641 OMEGA ROAD DALLAS, TX 75244 PH: 972386.5629 FX: 972386.7274 EMAIL: stoub@stoubandassociates.com 4535 SUNBECT

A INTENT & USE OF CONSTRUCTION DOCUMENTS

- 1. THE PURPOSE OF THESE DOCUMENTS IS TO CONVEY DESIGN INTENT AND GENERAL SCOPE ONLY. AS SCOPE DOCUMENTS, THE DRAWINGS DO NOT NECESSARILY INDICATE, OR DESCRIBE ALL THE WORK FOR FULL PERFORMANCE AND COMPLETION. THE DESIGNER, PROPERTY MANAGER, AND CONTRACTOR UNDERSTAND THAT THE RESPONSIBILITY FOR SOUND FABRICATION AND SECURE INSTALLATION OF ALL WORK, AS STATED IN THE CONSTRUCTION DOCUMENTS, RESIDES WITH THE CONTRACTOR.
- A) BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK.
- B) PROMPTLY NOTIFY THE DESIGNER IF THE CONTRACT DOCUMENTS DRAWINGS AND SPECIFICATIONS ARE AT VARIANCE THEREWITH. OBTAIN CLARIFICATIONS FROM THE DESIGNER BEFORE PROCEEDING WITH WORK IN QUESTION OR WITH RELATED WORK.
- C) OBTAIN ALL REQUISITE BUILDING AND OTHER PERMITS REQUIRED IN CONNECTION WITH THE WORK.
- D) CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ADA REQUIREMENTS ON ALL NEW AND EXISTING CONSTRUCTION AS REQUIRED BY THE GOVERNMENT AUTHORITIES.
- E) CHECK ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, AND DIMENSIONS FOR ACCURACY AND CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION.
- F) VISIT AND CAREFULLY EXAMINE SITE OF PROPOSED WORK AND ACQUAINT THEMSELVES WITH THE CONDITIONS UNDER WHICH WORK WILL BE PERFORMED AND NATURE AND EXTENT OF WORK INVOLVED.
- ALL WORK SHALL COMPLY WITH FEDERAL, STATE, LOCAL CODES, AND ORDINANCES, AND WORK SHALL BE DONE TO THE HIGHEST STANDARDS OF CRAFTSMANSHIP BY JOURNEYMEN FOR THEIR RESPECTIVE TRADES. CONTRACTOR SHALL BE RESPONSIBLE FOR A SATISFACTORY AND COMPLETE JOB.
- 2. BY SUBMITTING A BID, THE CONTRACTOR WILL BE CERTIFYING THAT HE HAS INSPECTED THE SITE AND HAS READ AND IS THOROUGHLY FAMILIAR WITH THE CONSTRUCTION DOCUMENT DRAWINGS AND SPECIFICATIONS. THE FAILURE OR OMISSION OF ANY CONTRACTOR TO EXAMINE ANY FORM, INSTRUMENT, OR DOCUMENT PERTAINING TO THE PROJECT SHALL IN NO WAY RELIEVE THE CONTRACTOR FROM ANY OBLIGATION IN RESPECT TO HIS WORK. IN THE EVENT OF A CONFLICT BETWEEN EXISTING CONDITIONS AT THE SITE AND THE CONTRACT DRAWINGS, THE GENERAL CONTRACTOR SHALL NOTIFY THE DESIGNER FOR CLARIFICATION PRIOR TO COMMENCEMENT OF THE WORK, FAILURE TO DO SO BY ENTAIL REWORK AT NO COST TO LANDLORD, TENANT, OR DESIGNER. NO COST TO LANDLORD, TENANT, OR DESIGNER.
- CONTRACTOR TO NOTIFY THE DESIGNER DURING PRIOR TO SUBMITTING BID OF ANY REPAIRS NECESSARY TO LEVEL FLOORS OR CEILINGS.
- THE CONSTRUCTION DOCUMENT DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ON THE BASIS OF THE GENERAL SCOPE INDICATED OR DESCRIBED, THE CONTRACTOR SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. DECISIONS OF THE DESIGNER AS TO THE ITEMS OF WORK INCLUDED WITHIN THE SCOPE OF THIS DOCUMENT SHALL BE FINAL AND BINDING ON THE CONTRACTOR. THE CONTRACTOR SHALL RECOGNIZE THAT THE DESIGNER SHALL HAVE THE RIGHT OF APPROVAL AND/OR REJECTION OF ALL MATERIALS AND EQUIPMENT INSTALLED IN THE PROJECT.
- 5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF ALL WORK AND ADJACENT ASSEMBLIES OF PARTS OR WORK. BE PREPARED TO GUARANTEE THE DIMENSIONS WHICH MAY BE REQUIRED FOR THE FITTING OR WORK TO SURROUNDING WORK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PREPARATION, CUTTING, FITTING, ADJUSTING, AND PATCHING THAT IS NECESSARY TO MAKE THE SEVERAL PARTS OF THE WORK TO BE PROPERLY ALIGNED.
- 6. THE GENERAL CONTRACTOR SHALL KEEP ONE SET OF PLANS AT THE JOB SITE FOR THE SPECIFIC PURPOSE OF RECORDING ACTUAL CONSTRUCTION CONDITIONS. SUCH "PROJECT RECORD" DOCUMENTS SHALL BE PROVIDED TO THE PROPERTY MANAGER, TENANT AND BUILDING ARCHITECT OF RECORD UPON
- 7. THE GENERAL CONTRACTOR SHALL SUBMIT ALL APPLICATIONS FOR PAYMENT TO THE DESIGNER FOR REVIEW AND APPROVAL. THE FORM OF THE APPLICATION FOR PAYMENTS SHALL BE AND DOCUMENTS G702, SUPPORTED BE AND DOCUMENT G702A, CONTINUATION SHEET. A 10% RETAINAGE OF EACH APPLICATION FOR PAYMENT SHALL BE WITHHELD BY THE PROPERTY MANAGER UNTIL RELEASE OF FINAL PAYMENT, UNLESS NOTES OTHERWISE IN THE AGREEMENT BETWEEN OWNER AND CONTRACTOR.
- 8. EACH REQUEST FOR PAYMENT BY THE GENERAL CONTRACTOR SHOULD INCLUDE RELEASE OF LIENS FROM EACH AND EVERY SUBCONTRACTOR, MANUFACTURER, AND SUPPLIER OF MATERIAL AND EQUIPMENT FABRICATED AND INSTALLED ON THE PROJECT SITE, AS WELL AS A RELEASE OF LIEN FOR HIS OWN WORK ON THE PROJECT. WITHIN 7 DAY AFTER EXECUTION OF THE CONTRACT, CONTRACTOR SHALL SUBMIT TO THE OWNER AND DESIGNER A PROJECTED WORK PROGRESS SCHEDULE, SHOWING SUBDIVISION OF THE CONTRACT INTO ITEMS OF CONSTRUCTION, WITH QUANTITIES AND PRICES. PROGRESS PAYMENTS WILL BE RECOMMENDED ON THE BASIS OF VALUE TO OWNER OF IN PLACE WORK AT TIME OF REQUESTED PAYMENT. NO PAYMENT WILL BE MADE TO CONTRACTOR UNTIL SCHEDULE HAS BEEN SUBMITTED.
- 9. THE CONTRACTOR SHALL PERFORM NO PORTION OF THE WORK AT ANY TIME WITHOUT CONTRACT DOCUMENT, OR WHERE REQUIRED, APPROVED SHOP DRAWINGS, PRODUCT DATA OR SAMPLE FOR SUCH
- 10. THE DESIGNER RESERVES THE RIGHT TO REJECT ITEMS INCORPORATED INTO THE WORK WHICH FAIL TO MEET THE SPECIFIED MINIMUM REQUIREMENTS. THE DESIGNER FURTHER RESERVES THE RIGHT, AND WITHOUT PREJUDICE TO OTHER RECOURSE TAKE, ACCEPT NON-COMPLYING ITEMS SUBJECT TO ANY WITHOUT PREJUDICE TO OTHER RECOURSE TAKE, ACCEPT NON-COMPLYING ITEMS SUBJECT TO ANY WITHOUT AS ASSESSED AND THE DESIGNED AND THE DESIG TMENT IN THE CONTRACT AMOUNT AS APPROVED BY THE DESIGNER AND THE PROPERTY MANAGER
- 11. CONTRACT CLOSE-OUT SHALL OCCUR ONLY AFTER THE DESIGNER HAS PREPARED THE CERTIFICATE CONTRACT CLOSE-UUT SHALL OCCOR ONLY ALL SUBMIT TO THE PUNCH LIST TIEMS HAVE BEEN CORRECTED. THE SUBSTANTIAL CONTRACTOR SHALL SUBMIT TO THE DESIGNER ALL MAINTENANCE AND WARRANTY MANUALS, OF LISTS AND RECORD DRAWINGS WITH HIS FINAL APPLICATION OF PAYMENT. THE DESIGNER RELEASE OF LIENS, AND RECORD DRAWINGS WITH HIS FINAL APPLICATION OF PAYMENT. THE DESIGNER SHALL PREPARE ANY NECESSARY CHANGE ORDERS REQUIRED TO FINALIZE THE COST OF THE PROJECT BASED UPON THE CONTRACTOR'S FINAL SUBMITTALS.
- 12. IT IS THE INTENT OF THE DRAWINGS THAT ALL EXPOSED SURFACES RECEIVE FINISHES AS INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS UNLESS SPECIFICALLY NOTED OTHERWISE. ANY SURFACES WHICH DO NOT HAVE A SPECIFIC FINISH NOTED, NOR ARE NOTED TO REMAIN UNFINISHED, SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER AND FINISHED PER HIS INSTRUCTION WITH NO COST TO
- 13. ALL WORK NOTED "BY OTHERS" OR "N.I.C." IS TO BE ACCOMPLISHED BY A CONTRACTOR OTHER THAN THE GENERAL CONTRACTOR AND IS NOT TO BE PART OF THE CONSTRUCTION AGREEMENT. THE GENERAL CONTRACTOR IS TO COORDINATE WITH "OTHER" CONTRACTORS AS REQUIRED.
- 14. WHILE CARE HAS BEEN TAKEN BY THE DESIGNER AND CONSULTANTS TO COORDINATE THE CONSTRUCTION DOCUMENTS PRODUCED BY EACH OFFICE, THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS ARE TO REFER TO ALL DESIGN DRAWINGS AND ALL RELATED CONSULTANT DRAWINGS. IN THE EVENT OF A CONFLICT BETWEEN THE SETS OF DRAWINGS, THE GENERAL CONTRACTOR SHALL IMMEDIATELY CONTACT THE DESIGNER FOR CLARIFICATION OF THE DISCREPANCY BETWEEN THE SETS OF DOCUMENTS. ITEMS REQUIRING SPECIAL ATTENTION BY THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS INCLUDE, BUT ARE NOT LIMITED TO: ELECTRICAL OUTLETS AND TELEPHONE JACKS, ELECTRICAL OUTLET AND TELEPHONE JACK INSTALLATION HEIGHTS, LIGHTING CONTROLS AND SWITCHED, FIRE ALARM STROBES. WALL MOUNTED EMERGENCY LIGHTS, WALL SCONCES, WALL SCONCE INSTALLATION HEIGHTS, FIRE ALARM SPEAKERS IN THE WALLS OR CEILINGS, FIRE ALARM PULL BOXES, FIRE EXTINGUISHER BOX LOCATIONS, ETC.

B. DRAWINGS AND SPECIFICATIONS

- SHOULD DRAWINGS AND SPECIFICATIONS DISAGREE IN THEMSELVES, OR WITH EACH OTHER, BIDS SHALL BE BASED ON THE MOST EXPENSIVE COMBINATION OF QUALITY AND QUANTITY OF WORK INDICATED. THE CONTRACTOR SHALL, PRIOR TO PROCEEDING WITH ANY WORK, NOTIFY THE DESIGNER FOR CLARIFICATIONS FOR ANY DISCREPANCY IN DIMENSIONS. FAILURE TO DO SO MAY ENTAIL REWORK AT NO COST TO PROPERTY
- 2. WRITTEN FIGURES TAKE PRECEDENCE OVER SCALE MEASUREMENTS. THE CONTRACTOR SHALL, PRIOR TO PROCEEDING WITH ANY WORK, NOTIFY THE DESIGNER FOR CLARIFICATIONS FOR ANY DISCREPANCY IN DIMENSIONS. FAILURE TO DO SO MAY ENTAIL REWORK AT NO COST TO PROPERTY MANAGER, TENANT, OR
- 3. LARGE SCALE DETAILS TAKE PRECEDENCE OVER SMALLER SCALE DETAILS. THE CONTRACTOR SHALL, PRIOR TO PROCEEDING WITH ANY WORK, NOTIFY THE DESIGNER FOR CLARIFICATIONS FOR ANY DISCREPANCY IN DIMENSIONS. FAILURE TO DO SO MAY ENTAIL REWORK AT NO COST TO PROPERTY MANAGER, TENANT, OR
- 4. TERMS SUCH AS "AS SHOWN", "AS INDICATED", OR "AS NOTED" MEAN THERE ARE ADDITIONAL REQUIREMENTS GIVEN ELSEWHERE IN THE CONTRACT DOCUMENTS.
- 5. CONTRACTOR SHALL SUBMIT CONFIRMATIONS WITH DELIVERY DATES OR ORDERS OF MATERIALS AND EQUIPMENT OF ANY LONG LEAD TIME ORDER ITEMS.
- "ALIGN" AS USED IN THESE DOCUMENTS SHALL MEAN TO ACCURATELY LOCATE FINISH FACE IN THE SAME PLANE. INSTALL NEW CONSTRUCTION REQUIRED TO ALIGN WITH THE EXISTING CONSTRUCTION WITHOUT ANY VISIBLE JOINTS OR SURFACE IRREGULARITIES UNLESS NOTED OR DETAILED OTHERWISE.
- 7. "TYPICAL" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION OR DIMENSION IS THE SAME OR REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT, UNLESS OTHERWISE NOTED. 8. IT IS THE INTENTION OF THESE CONSTRUCTION DOCUMENTS, UNLESS OTHERWISE NOTED, TO INDICATE A CLEAN, UNIFORM AND PROPERLY ALIGNED RELATIONSHIP BETWEEN FURR DOWNS, FURR OUTS, WALLS AND EQUIPMENT AND FURNITURE TO BE INSTALLED AFTER COMPLETION OF FURR DOWNS, FURR OUTS, AND WALLS, ANY CONDITIONS AT ANY LOCATION WHICH WILL PREVENT THE PROPER AND UNIFORM INSTALLATION OF FURNITURE AND EQUIPMENT SHOULD BE BROUGHT TO THE ATTENTION OF THE DESIGNER.
- 9. GENERAL CONTRACTOR SHALL COORDINATE CHANGES SHOWN ON THE ARCHITECTURAL DRAWINGS THAT APPEAR AFTER THE BID DATE (INDICATED BUBBLE AREAS) WITH THE MEP/ CONSULTANT'S AND/OR SUBCONTRACTOR'S DESIGN BUILD DRAWINGS.

- CONTRACTOR SHALL REMOVE EXISTING WALLS, CARPET, AND ALL OTHER ITEMS AS SHOWN IN THE CONSTRUCTION DRAWINGS. ON OCCASION, CERTAIN ITEMS SUCH AS: ANY OR ALL EXISTING LIGHTING FIXTURES, DOORS, HARDWARE, UNDER COUNTER ICE MAKERS, REFRIGERATORS, ETC., ARE TO BE REUSED.
 ITEMS TO BE REUSED ARE TO BE REMOVED CAREFULLY AS TO NOT DAMAGE THEM, AND ARE TO BE
 CLEANED AND STORED UNTIL NEEDED. CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS OR SURFACES DAMAGED DURING DEMOLITION AND/OR CONSTRUCTION WORK WITHOUT COST TO THE PROPERTY MANAGER,

2. ALL LIGHT FIXTURES ARE TO BE REUSED, UNLESS NOTED OTHERWISE.

3. SERVICE CONNECTIONS SHALL BE SAFELY REMOVED, CAPPED OR PLUGGED IN CONFORMITY WITH LOCAL LAWS AND ORDINANCES, REQUIREMENTS OF PUBLIC UTILITY COMPANIES, AND OF THE NATIONAL BOARD OF FIRE UNDERWRITES, AND IN SUCH MANNER AS NOT TO INTERFERE WITH THE USE OF OCCUPIED SPACES IN THE

GENERAL NOTES, CONTINUED

C. DEMOLITION CONTINUED

- 4. THE GENERAL CONTRACTORS SHALL PROTECT ANY FLOOR OR WALL SURFACE DURING DEMOLITION THAT IS SHOWN IN THESE DRAWINGS TO REMAIN.
- 5. THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY PARTITIONS AND/OR DUST BARRIERS AS REQUIRED TO PROTECT EXISTING CONDITIONS AND TO MAINTAIN A CLEAN, SAFE WORKING ENVIRONMENT FOR EMPLOYEES ON SITE. THE GENERAL CONTRACTOR SHALL MAINTAIN CLEAR UNOBSTRUCTED PATHWAYS TO FIRE EVITS AT ALL THATES.
- 6. FOR DEMOLITION PURPOSES, ALL FINISHES AND MATERIAL SHOWN TO BE REMOVED, REFINISHED OR DEMOLISHED SHALL HAVE THEIR SUBSTRATE SURFACES BROUGHT BACK TO BASE BUILDING STANDARD AND READY FOR THE INSTALLATION OF NEW FINISHES.
- 7. PLUMBING CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS IN REMODEL AREAS PRIOR TO STARTING
- 8. WHEN EXISTING PLUMBING IS TO BE REMOVED, PLUMBING CONTRACTOR TO REMOVE ALL ABANDONED BACK TO THE SOURCE, OR AS FAR AS POSSIBLE (I.E. DO NOT REMOVE PIPES ASSOCIATED WITH OTHER EXISTING PLUMBING TO REMAIN).

- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE CONTRACTOR'S BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND SHALL COORDINATE ALL PORTIONS OF THE
- 2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO THE PROPERTY MANAGER FOR THE ACTS AND OMISSIONS OF THE CONTRACTOR'S EMPLOYEES, SUBCONTRACTORS AND THEIR REPRESENTATIVES AND EMPLOYEES, AND ANY OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE
- THE GENERAL CONTRACTOR SHALL SEE THAT ALL SUBCONTRACTORS RECEIVE COMPLETE SETS OF WORKING DRAWINGS OR ASSUME FULL RESPONSIBILITY FOR COORDINATION OF WORK WHEN COMPLETE SETS ARE NOT MADE AVAILABLE TO SUBCONTRACTORS.
- 4. THE GENERAL CONTRACTOR SHALL MAINTAIN AT HIS OWN EXPENSE A TELEPHONE AND FAX MACHINE. THE GENERAL CONTRACTOR SHALL PROVIDE THE TELEPHONE NUMBERS FOR THE TELEPHONE AND FAX MACHINE TO THE PROPERTY MANAGER, TENANT, AND DESIGNER.

E. LABOR AND MATERIALS

- UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROVIDE AND PAY FOR ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT AND MACHINERY, TRANSPORTATION, AND OTHER FACILITIES AND SERVICES NECESSARY FOR THE PROPER EXECUTION AND
- 2. THE CONTRACTOR SHALL AT ALL TIMES ENFORCE STRICT DISCIPLINE AND GOOD ORDER AMONG THE CONTRACTOR'S EMPLOYEES AND SHALL NOT EMPLOY ON THE WORK ANYONE NOT SKILLED IN THE TASK

F. WARRANTY AND INSURANCE

- THE CONTRACTOR WARRANTS TO THE PROPERTY MANAGER THAT ALL MATERIALS AND EQUIPMENT FURNISHED UNDER THIS CONTRACT WILL BE NEW UNLESS OTHERWISE SPECIFIED, AND THAT ALL WORK WILL BE OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF CONSTRUCTION. ALL WORK NOT CONFORMING TO THESE REQUIREMENTS, INCLUDING SUBSTITUTIONS NOT PROPERLY APPROVED AND AUTHORIZED, MAY BE CONSIDERED DEFECTIVE.
- THE CONTRACTOR SHALL PROVIDE TO THE PROPERTY MANAGER AND TENANT COPIES OF ALL GUARANTEES, WARRANTIES, INSTRUCTIONS, CLEANING INFORMATION, AND MANUALS FOR ALL INSTALLED EQUIPMENT. MATERIALS OR SYSTEMS, BOUND INTO 8 1/2" X 11" IN A 3 RING NOTEBOOKS.
- INSURANCE AND BONDING FOR THE PROJECT SHALL BE AS DIRECTED BY AND TO THE SATISFACTION OF THE PROPERTY MANAGER AND TENANT. THE GENERAL CONTRACTOR SHALL MAINTAIN SUCH INSURANCE AND BONDS IN FORCE AND EFFECT AS REQUIRED BY THE PROPERTY MANAGER AND TENANT OR AS APPLICABLE LAW. THE BONDS SHALL BE IN AMOUNTS EQUAL TO THE FULL VALUE OR COST OF THE WORK BEING DONE BY THE GENERAL CONTRACTOR.

CONTRACTOR SHALL PAY ALL SALES, CONSUMER, USE AND OTHER SIMILAR TAXES FOR THE WORL OR PORTIONS THEREOF PROVIDED BY THE CONTRACTOR WHICH ARE LEGALLY ENACTED AT THE TIME OF

- UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL SECURE AND PAY FOR THE BUILDING PERMIT AND FOR ALL OTHER PERMITS AND GOVERNMENTAL FEES, LICENSES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
- REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE
- 3. THE CONTRACTOR SHALL EXERCISE REASONABLE EFFORT TO MAKE CERTAIN THAT THE CONTRAC DOCUMENTS ARE IN ACCORDANCE WITH APPLICABLE LAWS, STATUTES, BUILDING CODES AND REGULATIONS. IF THE CONTRACTOR OBSERVES THAT ANY OF THE CONTRACT DOCUMENTS ARE AT VARIANCE THEREWITH IN ANY RESPECT, HE SHALL PROMPTLY NOTIFY DESIGNER IN WRITING, AND ANY NECESSARY CHANGES SHALL BE ACCOMPLISHED BY APPROPRIATE MODIFICATI
- 4. IF THE CONTRACTOR PERFORMS ANY WORK KNOWING IT TO BE CONTRARY TO SUCH LAWS, ORDINANCES, RULES AND REGULATIONS, AND WITHOUT SUCH NOTICE TO DESIGNER, HE SHALL ASSUME FULL RESPONSIBILITY THEREFORE AND SHALL BEAR ALL COSTS ATTRIBUTABLE THERETO.
- 5. DURING THE COURSE OF CONSTRUCTION WORK, CONTRACTOR IS TO CARRY WORKER'S COMPENSATION INSURANCE AND OTHER INSURANCE AND BONDS WHICH MAY BE REQUIRED BY LAW TO BE CARRIED BY PROPERTY MANAGER IN CONNECTION WITH CONSTRUCTION.

I. SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES

- 1. ITEMS REQUIRING SHOP DRAWINGS FOR FINISH SAMPLES SUBMITTALS SHALL BE AS INDICATED IN THE LIST OF SUBMITTALS.
- 2. WHERE SUBMITTALS ARE REQUIRED, THE CONTRACTOR IS REQUESTED TO SUBMIT DATA TO THE DESIGNER, MANAGER AND TENANT AFTER THE CONTRACTOR'S REVIEW AND INDICATING ON THE SUBMITTAL THAT SUCH REVIEW HAS TAKEN PLACE BY THE CONTRACTOR. SHOP DRAWINGS ARE TO BE SUBMITTED WITH ONE (3) PRINTS OF EACH SHEET. THE CONTRACTOR SHALL REVIEW, APPROVE, AND SUBMIT TO THE DESIGNER WITH REASONABLE PROMPTNESS AND IN SUCH SEQUENCE AS TO NOT CAUSE TO DELAY IN THE WORK.
- BY APPROVING AND SUBMITTING SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES TO THE DESIGNER, MANAGER AND TENANT THE CONTRACTOR AGREES THAT HE HAS DETERMINED AND VERIFIED ALL MATERIALS, FIELD MEASUREMENTS, AND FIELD CONSTRUCTION CRITERIA RELATED THERETO, OR WILL DO AND THAT HE HAS CHECKED AND COORDINATED THE INFORMATION CONTAINED WITHIN SUCH SUBMITTALS WITH THE REQUIREMENTS OF THE WORK AND OF THE CONTRACT DOCUMENTS.
- 4. THE DESIGNER WILL REVIEW AND APPROVE OR TAKE OTHER APPROPRIATE ACTION UPON THE CONTRACTOR'S SUBMITTALS SUCH AS SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES. SUCH ACTION WILL BE ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE WORK AND WITH THE FORMATION GIVEN IN THE CONTRACT DOCUMENTS. SUCH ACTION WILL BE TAKEN WITH REASONABLE PROMPTNESS SO AS TO CAUSE NO DELAY. APPROVAL BY THE DESIGNER OF A SPECIFIC ITEM SHALL NO INDICATE APPROVAL OF AN ASSEMBLY OF WHICH THE ITEM IS A COMPONENT.
- 5. NO PORTION OF THE WORK REQUIRING SUBMISSION OF A SHOP DRAWING, PRODUCT DATA, AND SAMPLES SHALL BE PERFORMED UNTIL THE SUBMITTAL HAS BEEN APPROVED. ALL SUCH PORTIONS OF THE WORK SHALL BE IN ACCORDANCE WITH APPROVED SUBMITTALS
- 6. BY APPROVING AND SUBMITTING SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES TO THE DESIGNER, THE GENERAL CONTRACTOR AGREES THAT HE HAS DETERMINED AND VERIFIED THAT ALL MATERIALS AND COMPONENTS WILL PERFORM AS INTENDED IN A SAFE, SECURE MANNER. THIS IS ESPECIALLY APPLICABLE TO ALL SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES SUBMITTED AS SUBSTITUTIONS OF MA/A DRAWINGS, DETAILS, OR SPECIFICATIONS. SUCH SUBSTITUTIONS APPROVED BY THE DESIGNER WITH THE UNDERSTANDING THAT SUCH SUBSTITUTES WILL PERFORM AS THE ORIGINALLY DETAILED OR SPECIFIED ITEMS. SHOULD ANY ITEM OR COMPONENT IN THE JUDGMENT OF THE TENANT OR DESIGNER NOT PERFORM AS REPRESENTED BY THE GENERAL CONTRACTOR AND HIS SUBCONTRACTOR, THEN SUCH ITEM OR COMPONENT SHALL BE REPLACED WITH THE ORIGINALLY SPECIFIED OR DETAILED ITEM AT THE GENERAL CONTRACTOR'S OWN EXPENSE.
- 7. CONTRACTOR SHALL CONFIRM MANUFACTURER'S SPECIFICATIONS OF ALL APPLIANCES, HARDWARE, FIXTURE, ETC., BEFORE ORDERING AND PROVIDE NECESSARY REQUIREMENTS FOR EACH. THE DESIGNER SHALL BE PROMPTLY NOTIFIED WHEN COORDINATION IS REQUIRED OR DISCREPANCIES ARE NOTED. THE CONTRACTOR SHALL REVIEW ALL MA/A PLANS AND DETAILS SHEET FOR ADDITIONAL INFORMATION.
- J. CUTTING AND PATCHING OF WORK
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, FITTING, OR PATCHING THAT MAY BE REQUIRED TO COMPLETE THE WORK OR TO MAKE ITS SEVERAL PARTS FIT TOGETHER PROPERLY.

K. CLEANING UP

- THE CONTRACTOR SHALL TURN OVER WORK TO OWNER AND TENANT IN IMMACULATE CONDITION. THIS
 APPLIES TO INTERIOR, EXTERIOR, AND SITE CLEANING. CLEANING INCLUDES, BUT NOT LIMITED TO, THE
 REMOVAL OF SMUDGES, MARKS, FINGERPRINTS, SOIL, DIRT, PAINT SPOTS, DUST, LINT, RUST, DISCOLORATION, AND ANY FOREIGN MATTER.
- 2. FINAL CLEANUP TO INCLUDE CLEANING OF WINDOW, MULLION, SILLS, AND WINDOW COVERINGS, A/C GRILLES AND REGISTERS, RETURN AIR GRILLES, AND ALL LIGHT FIXTURES.

BUILDING RULES OF CONDUCT

- CONTRACTOR SHALL CONTACT PROPERTY MANAGER FOR RULES PERTAINING TO THE BUILDING PRIOR TO SUBMITTING BID. CONTRACTOR IS RESPONSIBLE FOR ASSURRING THAT ALL HIS SUBCONTRACTORS HAVE
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CLEANUP AND TRASH REMOVAL ASSOCIATED WITH THE WORK ON A DAILY BASIS.
- 3. CONTRACTOR TO CHECK WITH BUILDING MANAGER FOR INVENTORY ITEMS THAT MAY BE PURCHASED THROUGH BUILDING. ALL MATERIAL IS TO BE PURCHASED NEW, UNLESS DOCUMENTS ALLOW REFURBISHED OR RE-USE OF EXISTING MATERIAL. REFURBISHED SHALL MEAM AS CLOSE TO NEW CONDITION AS POSSIBLE. DOORS AND FRAMES WHICH DO NOT MEET ARCHITECTURAL STANDARDS FOR LENGTH OR CLEARANCE SHALL NOT BE USED. NO MATERIAL WILL BE FURNISHED TO CONTRACTOR FROM BUILDING MATERIAL CHAPTER.
- CONTRACTOR IS RESPONSIBLE FOR PURCHASING OR FURNISHING ALL HARDWARE FOR PROJECT, FURNISHED KEY-WAYS SHALL BE THE SAME AS BASE BUILDING.
- 5. AT NO TIME SHALL ANY CONSTRUCTION MATERIAL, FINISH MATERIAL FIXTURES, ETC. BE REMOVED FROM THE PROPERTY WITHOUT PRIOR WRITTEN APPROVAL FROM THE PROPERTY MANAGER.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL PUBLIC AREA FROM DAMAGE. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO PROTECT ALL EXISTING OPERATIONS AND PROPERTY WITH WHICH HIS WORK COMES IN CONTACT OR OVER WHICH HE MUST TRANSPORT, HOIST, OR MOVE MATERIALS, EQUIPMENT, DEBRIS, ETC. CLEAN PLYWOOD OR FIBERBOARD SECTIONS WILL BE USED AS RUNNERS ON ALL REQUIRED AREAS WHERE HEAVY EQUIPMENT AND MATERIAL IS BEING MOVED. ALL AREA ALONG ROUTE OF MATERIAL AND TRASH HAULING WILL BE PROTECTED. CONTRACTOR SHALL REPAIR ANY DAMAGE TO PROPERTY MANAGER'S SATISFACTION.
- 7. AT NO TIME SHALL EGRESS BE IMPAIRED THROUGH ANY PUBLIC AREAS. THERE SHALL BE NO ROPES, ELECTRICAL CORDS, ETC., LAID OR INSTALLED ON FLOORS IN PUBLIC AREAS, NOR SHALL PROJECTIONS OR ATTACHMENTS BE INSTALLED ON PUBLIC AREA WALLS OR CEILINGS.
- ALL DOORS IN PROJECT AREA ARE TO REMAIN CLOSED TO PUBLIC AREAS AT ALL TIMES. ALL GLASS FRONTS AT PUBLIC AREAS SHALL BE COVERED FROM INSIDE PROJECT SO AS NOT TO ALLOW VISUAL
- CONTRACTOR SHALL COORDINATE ALL WORK TO ALLOW ACCESSIBILITY AND USE OF ANY ADJACENT SPACE WITH THE BUILDING MANAGEMENT.
- 10. EXCESSIVE NOISE DURING CONSTRUCTION MAY REQUIRE PERFORMING CONSTRUCTION AT NIGHT OR ON WEEKENDS. CONTRACTOR SHOULD CONSULT WITH PROPERTY MANAGER PRIOR TO SUBMITTING BID.
- 11. HAZARDOUS TASKS THAT WOULD BE CONSIDERED DISRUPTIVE OR DANGEROUS TO OCCUPIED SUITES ADJACENT TO TENANT'S SUITE WILL BE DONE AFTER HOURS.
- 12. ALL AFTER HOURS AND WEEKEND WORK MUST BE SCHEDULED 24 HOURS IN ADVANCE WITH THE
- 13. CONTRACTORS AND SUBCONTRACTORS ARE TO USE LOADING DOCK AREAS OF BUILDING FOR MATERIAL DELIVERY. ALL WORKMEN MUST ENTER THE BUILDING THROUGH THE LOADING DOCK ENTRY. 14. ALL DELIVERIES MUST BE RECEIVED AT THE PROJECT. AT NO TIME SHALL ANY MATERIALS BE STORED IN ANY LOCATION OTHER THAN THE PROJECT WITHOUT PRIOR WRITTEN APPROVAL FROM THE DESIGNER OR
- 15. DELIVERY VEHICLES MUSTS UTILIZE THE LOADING DOCK PROVIDED AT THE BUILDING AND VACATE THE SPACE IMMEDIATELY UPON COMPLETION OF THE DELIVERY. DELIVERIES DURING NORMAL BUILDING HOURS
- MUST BE SCHEDULED AND APPROVED BY PROPERTY MANAGER.
- 16. USE OF FREIGHT ELEVATOR DURING NORMAL BUSINESS HOURS OR WEEKEND USE MUST BE SCHEDULED WITH THE APPROVED BY PROPERTY MANAGER. 17. PARKING IS NOT ALLOWED IN HANDICAP, VISITORS, RESERVED SPACES OR FIRE ZONES.
- 18. RESTROOMS AND WATER COOLERS FOR CONSTRUCTION PERSONNEL WILL BE RESTRICTED TO THE FLOOR ON WHICH THE PROJECT IS IN PROGRESS. REQUIRED CLEANING OF THESE AREAS BY THE PROPERTY MANAGER WILL BE BACK CHARGED TO THE GENERAL CONTRACTOR.
- 19. EATING OR BREAK AREAS ARE RESTRICTED TO EITHER THE PROJECT, RESTAURANTS (WITH PROPER
- 20. DURING CONSTRUCTION EACH TRADE SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THEIR WORK.
- STORAGE (EVEN TEMPORARY) OF TOOLS, EQUIPMENT, MATERIALS, ETC., IN PUBLIC AREA, STAIRWELLS, MECHANICAL, ELECTRICAL, TELEPHONE, OR JANITORIAL AREAS IS NOT ALLOWED.
- 22. CONTRACTOR SHALL TURN OFF ALL LIGHTS TO PROJECT WHEN THERE IS NO WORK IN PROGRESS.
- 23. RADIOS OR UNNECESSARY NOISES ARE NOT ALLOWED
- 24. CONTRACTORS ARE RESTRICTED FROM USING OF PRODUCTS EMITTING NOXIOUS FUMES WITHOUT PRIOR PERMISSION FROM THE PROPERTY MANAGER AND INSTITUTING PROPER SAFETY PRECAUTIONS.
- 25. FIELD APPLICATION OF LACQUER-BASED MATERIALS IS NOT PERMITTED. 26. ALL PUNCHLIST ITEMS WILL BE COMPLETED WITHIN TEN (10) DAYS. UPON RECEIPT OF A PUNCH LIST, RETAINAGE WILL BE USED TO COMPLETE ITEMS OUTSTANDING BEYOND TEN (10) DAYS. THIS WILL NOT APPLY ON ITEMS OF LONG DELIVERY.
- 27. NO ASBESTOS CONTAINING PRODUCTS ARE TO BE USED.

ATTIRE) OR OTHER DESIGNATED EATING AREAS.

- 28. THERE SHALL BE NO SMOKING OR USE OF TOBACCO PRODUCTS ON THE JOB SITE. 29. PRESSURIZED GAS BOTTLES MUST BE IN AN UPRIGHT POSITION AND STRAPPED TO ANY IMMOVABLE
- 30. USE OF CUTTING TORCH OR ARC WELDER MUST BE APPROVED BY PROPERTY MANAGER.
- 31. OVERTIME REQUIRED BY BUILDING PERSONAL TO ALLOW ACCESS, EGRESS, REQUIRED TO CORRECT PROBLEMS CAUSED BY CONSTRUCTION WILL BE BACK CHARGED TO THE GENERAL CONTRACTOR.
- 32. THE CONTRACTOR SHALL STACK AND STORE EXCESS MATERIALS ONLY IN AREAS DESIGNATED BY THE
- 33. THE CONTRACTOR IS RESPONSIBLE FOR PROPER FLOOR EXAMINATION, BY X-RAY, IF NECESSARY, OF ALL FLOOR OUTLET LOCATIONS FOR STRUCTURAL INTEGRITY.

FLOOR FINISH NOTES

- CONCRETE FLOOR SLAB TO BE FILLED AND/OR GROUND AS REQUIRED TO A SMOOTH UNIFORM CONDITION PRIOR TO FINISH INSTALLATION.
- 2. WHERE FILE CABINETS OR OTHER FURNITURE IS TO BE BUILT-IN, FLOOR SLAB IS TO BE MADE LEVEL FOR PROPER OPERATION OF DRAWERS AND FIT WITHIN DRYWALL CONSTRUCTION.
- WHERE FLOOR FINISHES OF DIFFERENT THICKNESSES MEET, FLOOR IS TO BE FILLED TO A MINIMUM SLOPE OF 1/4" PER 10'-0" TO ALLOW A SMOOTH TRANSITION BETWEEN SURFACES.
- 4. PROVIDE RUBBER TRANSITION STRIP TO MATCH BASE COLOR WHERE CARPET AND RESILIENT VINYL FLOOR MEET, UNLESS NOTED OTHERWISE. ALL JOINTS OF TRANSITION STRIPS TO BE WELDED JOINTS. TRANSITION STRIPS SHALL COMPLY WITH ADA STANDARDS.
- 5. ALL FLOOR FINISHES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. FLOORING CONTRACTOR IS RESPONSIBLE FOR INSPECTION OF SLAB CONDITION PRIOR TO FLOOR FINISH
- 6. THE CONTRACTOR SHALL PROVIDE ALL ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS FOR A FULL AND COMPLETE INSTALLATION OF ALL FLOOR FINISHES. 7. IF CARPET OR CARPET TILE IS USED AS A FLOOR SURFACE. THE MAXIMUM PILE THICKNESS SHALL BE
- 1/2". EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND HAVE TRIM ALONG THE ENTIRE LENGTH OF THE EXPOSED EDGE. COVE VINYL BASE SHALL BE USED WITH CARPET AND COVE VINYL BASE SHALL BE USED WITH VCT, UNLESS OTHERWISE NOTED.
- 9. WHERE FLOOR MOUNTED OUTLETS AREA SHOWN IN AREAS WITH CARPET, CUT AN "X" IN THE CARPET ABOVE THE ROUGH IN HOLE. FOLD THE CARPET FLAPS UNDER (DO NOT CUT OFF THE FLAPS). COORDINATE THE SIZE OF THE CUT WITH THE DIMENSIONS OF THE COVER PLATE, BOX, OR FLANGE OR
- 10. ALL FLOOR PENETRATIONS MUST BE SEALED WITH AN APPROVED FIRE STOP MATERIAL.
- 11. SUBCONTRACTOR IS RESPONSIBLE FOR ORDERING SUFFICIENT QUANTITIES OF ALL MATERIAL TO ENSURE A
- 12. PROVIDE CUT-OUTS AT ALL FLOOR PENETRATIONS. SUBCONTRACTOR IS RESPONSIBLE FOR VACUUMING ALL CARPET AFTER CARPET HAD BEEN LAID.
- 13. EXTEND CARPET UNDER OPEN BOTTOMED OBSTRUCTIONS AND UNDER REMOVABLE FLANGES AND
- 14. RUBBER BASE SHALL BE SCORED ON THE BACK SIDE AND BENT AROUND CORNERS AND RUN AT LEAST 12" FROM THE CORNER ALL LENGTHS OF BASE SHALL BE A MINIMUM OF 12". SHORTER LENGTHS WILL NOT BE ACCEPTED.
- 15. WORKMANSHIP SHALL BE OF THE VERY HIGHEST STANDARD BY SKILLED MECHANICS. CARPET IS TO BE LAID IN AS LARGE OF PIECES AS POSSIBLE WITHOUT SEAMS, EXCEPT AT SIDE LAPS OF 12'-0" WIDE PIECES. WHERE SEAMS AREA REQUIRED, THEY SHALL BE SECURITY JOINED AND INDISTINGUISHABLE FROM ADJOINING SURFACES. CARPET SHALL BE SECURELY ANCHORED, STRETCHED, WRINKLE—FREE ANI SMOOTH. WHERE CARPET ABUTS OTHER SURFACES, JOINTS SHALL BE NEAT, TRUE AND CLOSE FITTING.
- 18. ALL AREAS TO HAVE CARPET, CPT-1, UNLESS NOTED OTHERWISE.
- 17. ALL AREAS TO HAVE VINYL BASE, VB-1, UNLESS NOTED OTHERWISE

DRYWALL CONSTRUCTION NOTES

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS AT THE JOB SITE AND SHALL NOTIFY DESIGNER, OF ANY ERROR, INCONSISTENCY OR OMISSIONS PRIOR TO PROCEEDING WITH THE WORK, GENERAL CONTRACTOR SHALL NOTIFY DESIGNER WHEN PARTITION CHALK MARKS ARE AVAILABLE FOR APPROVAL PRIOR TO INSTALLATION OF STUDS.
- DRAWINGS ARE NOT TO BE SCALED, ANY DIMENSIONS WHICH HAVE NOT BEEN SPECIFICALLY NOTED SHALL BE REVIEWED BY THE DESIGNER, ANY INCONSISTENCY BETWEEN PLAN DIMENSIONS AND DETAILS SHALL BE REVIEWED WITH THE DESIGNER.
- 3. NOTIFY DESIGNER OF ANY DIMENSION DISCREPANCIES, IMMEDIATELY..
- PROVIDE FULL HEIGHT NON-COMBUSTIBLE WOOD STUD BLOCKING TO UNDERSIDE OF STRUCTURE AT ALL WALL HUNG MILLWORK UNITS. ADJUSTABLE SHELLING OR AN OTHER ITEM REQUIRING ADDITIONAL
- AT ALL SOUND INSULATED PARTITIONS SCHEDULED TO EXTEND TO STRUCTURE ABOVE CEILING, PROVIDE SOUND BOOTED OPENINGS FOR RETURN AIR. CAULK AT STRUCTURE AND AT ALL DUCTS AND PIPES WHICH PASS THROUGH THE PARTITIONS.
- 6. ALL WALLS MEETING THE EXTERIOR WALL MULLIONS ARE TO HAVE SOUND ATTENUATION BLOCK AT SLOT DIFFUSERS.
- ALL WALLS DIMENSIONS ARE TO FACE OF STUD FOR NEW WALLS AND ACE OF FINISH FOR EXISTING WALLS UNLESS OTHERWISE NOTED. CENTER LINE OF WALL EQUALS CENTERLINE OF MULLION, UNLESS OTHERWISE NOTED.
- 9. FULL HEIGHT WALLS TO EXTEND TO HUNG CEILING GRID (TYPICAL), REGULAR CEILING TILES WHICH ABUTT DRYWALL SHOULD BE KERFED GENERAL CONTRACTOR SHALL NOTIFY DESIGNER REGARDING ANY

WHERE DROPPED FURR DOWNS ARE INDICATED, GYPSUM BOARD SOFFITS ARE TO BE RETURNED TO WALL

- 10. WHERE NEW WALLS ALIGN AND ABUTT EXISTING COLUMN AND/OR WALL:
- A. DRYWALL TO PLASTER OR DRYWALL-REMOVE EXISTING CORNER BEAD, TAPE AND
- PLASTER TO PLASTER-REMOVE EXISTING CORNER BEAD, REINFORCE JUNCTURE WITH WIRE MESH PLASTER TO FORM A SMOOTH PLUMB CONTINUOUS SURFACE.
- 11. FLOOR TO DECK PARTITIONS ARE TO BE COORDINATED WITH EXISTING DUCTWORK AND STEEL TO PROVIDE COMPLETE CLOSURE. 12. ALL WALLS THAT INTERSECT EXTERIOR WINDOW MULLIONS SHALL HAVE ACOUSTICAL SOUND SEAL TAPE AT THE JOINT BETWEEN THE WALL AND THE WINDOW MULLION. PROVIDE BUILDING STANDARD VERTICAL WALL END TRIM THAT IS USED AT WALL AND MULLION INTERSECTION.
- 13. WHERE A WALL IS SHOWN ALIGNED WITH MORE THAN ONE COLUMN OR CORE WALL, WHICH ARE NOT ALIGNED, THE CONTRACTOR SHALL ALIGN WITH THE FURTHEST PROJECTION AND ALL OTHER SURFACES
- ALONG THE ALIGNMENT SHALL BE FURRED TO THIS LINE. 14. ALL DOOR ARE TO BE LOCATED WITH THE JAMB SIDE OF THE DOOR LOCATED 6" FROM THE WALL THAT INTERSECTS THE WALL IN WHICH THE DOOR IS LOCATED, UNLESS OTHERWISE DIMENSIONED.
- 15. WHERE RECESSED ITEMS ARE LOCATED, THEY ARE TO BE RECESSED FLUSH WITH THE FINISH FACE OF THE PARTITION, UNLESS OTHERWISE NOTED.
- 16. CORNER BEADS ARE TO BE USED AT ALL GYPSUM BOARD CORNERS AND ENDS. CORNER BEADS SHALL
- 17. ALL DOORS AND BUCKS SHALL BE PROPERLY ALIGNED AND LEVELED WITH THEIR RESPECTIVE SURFACES. 18. ALL FURR DOWNS SHALL BE CONSTRUCTED EXACTLY PARALLEL TO FLOOR AT EACH LOCATION; FLOOR SHALL BE CAREFULLY EXAMINED AND BROUGHT WITHIN SPECIFICATIONS OF THE BUILDING, BUT SHALL
- NEVER EXCEED \$" IN 10'-0" OF HORIZONTAL RUN. PROVIDE FLOOR LEVELING AS REQUIRED TO ACCOMPLISH THESE SPECIFICATIONS.
- 19. ALL FIRE WALL PENETRATIONS SHALL BE SEALED WITH AN APPROVED FIRE STOP MATERIAL 20. ALL PARTITIONS TO BE TYPE "A", UNLESS NOTED OTHERWISE.

PAINT AND WALLCOVERING NOTES

- 1. ALL EXPOSE METAL SCHEDULED TO RECEIVE A PAINT FINISH, SHALL BE PAINTED WITH TWO (2) COATS OF OIL-BASED ALKYD INDUSTRIAL ENAMEL PAINT, SEMI-GLOSS FINISH; UNLESS NOTED OTHERWISE, APPLICATION TO BE ELECTROSTATIC INDUCTION SPRAY APPLICATION.
- 2. ALL GYPSUM BOARD WALLS SCHEDULED TO RECEIVED A PAINT FINISH SHALL RECEIVED AN ORANGE PEEL
- ALL PAINT SHALL BE APPLIED IN ACCORDANCE WITH THE SPECIFIED MANUFACTURER'S SPECIFICATIONS FOR THE PARTICULAR SURFACE, PRIMER AND TWO COATS OF PAINT APPLICATION.
- 4. CONTRACTOR TO INSPECT DRYWALL AND VERIFY THAT CONDITIONS ARE SUITABLE FOR THE APPLICATION OF WALLCOVERING PRIOR TO INSTALLATION.
- 5. ALL WALLS SHALL BE THOROUGHLY DRY BEFORE PAINTING. WALL FINISH CONTRACTOR IS RESPONSIBLE

6. THE GENERAL CONTRACTOR SHALL USE PRIMER COLORS AS CALLED FOR BY THE PAINT MANUFACTURER.

- 7. ALL INTERIOR FINISH MATERIALS TO BE IN COMPLIANCE WITH LOCAL CODES. WHEN REQUIRED BY BUILDING OFFICIALS, APPLY FLAME PROOFING TO FABRIC WALLCOVERINGS. CONTRACTOR TO PROVIDE FLAME PROOF CERTIFICATE TO PROPERTY MANAGER, TENANT, AND DESIGNER.
- 8. ALL WALLCOVERINGS TO BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS, INCLUDING TEMPERATURE AND DUST CONTROL. ANY WALLCOVERING REQUIRING BACKING SHALL BE PROVIDED BY PAINTING CONTRACTOR. INSTALLATION OF PATTERNED FABRIC WALLCOVERING SHALL BE MATCHED AT EDGE
- TO ADJACENT FABRIC PANEL. ANY FABRIC NOT PROPERLY HUNG OR SEAMED WILL NOT BE ACCEPTED 9. THE CONTRACTOR IS RESPONSIBLE FOR ANY WALLCOVERING CUT WHICH HAS DEFECTS THAT ARE
- UNACCEPTABLE BY DESIGNER FOR INSTALLATION.
- 10. APPLICATION OF LACQUER, VARNISH OR PAINT THINNER, FOR PURPOSES OTHER THAN CLEAN UP, IS TO TAKE PLACE AWAY FROM THE BUILDING SITE. 11. WALL FINISH CONTRACTOR TO PATCH AND PREPARE EXISTING WALL AS REQUIRED PRIOR TO FINISH TYPE.
- 12. INSPECTION OF PATTERNED WALL COVERING SHALL MATCH AT THE SEAMS/EDGES TO ADJACENT PANEL ANY WALL COVERING NOT PROPERLY HUNG OR SEAMED WILL NOT BE ACCEPTED. 13. THE CONTRACTOR SHALL EXAMINE ALL EXISTING WALLS, CORE WALLS, AND COLUMNS THAT ARE SHOWN TO REMAIN AND DETERMINE THE CONDITION OF SAME FOR THE INSTALLATION OF NEW FINISHES. IF THE EXISTING SUBSTRATE IS NOT SATISFACTORY IN PROVIDING A "LIKE NEW" CONDITION WITH THE NEW FINISHES,

THE GENERAL CONTRACTOR SHALL INCLUDED IN HIS PRICING THE DEMOLITION AND REPLACEMENT OF THE

- EXISTING SUBSTRATES FOR NEW FINISHES. SUBSTRATES FOR NEW FINISHES SHOULD BE SMOOTH, AND BLEND WITH NEW CONSTRUCTION WITHOUT A DETERMINABLE DIFFERENCE BETWEEN NEW AND OLD SURFACES.
- 14. PAINT FINISHES AT CURVED WALLS SHALL BE SPRAY APPLIED. 15. WHEN WORK OCCURS IN BUILDING COMMON AREAS, PAINTING AND OTHER EXISTING FINISHES ARE REQUIRED TO BE INSTALLED CORNER TO CORNER.

- MILLWORK NOTES DISTORTIONS OR GAPS. SHIM AS REQUIRED USING CONCEALED SHIMS TO A TOLERANCE OF 1/8" IN 8'-0" FOR PLUMB AND LEVEL WORK. ADJUST DOORS AND DRAWERS TO CENTER PANELS AND HARDWARE, TO PROVIDE UNENCUMBERED OPERATION. CAULK JOINTS BETWEEN ADJOINING SURFACES WITH MATCHING
- 2. SUPPLY AND INSTALL HARDWARE AS SPECIFIED AND AS NECESSARY TO PROVIDE COMPLETE AND USABLE

COLORED CAULK, AS DIRECTED. ALL WOOD SHALL BE BALANCED PER A.W.I. TO PREVENT WARPING.

- 3. COORDINATE EXACT PLACEMENT OF ELECTRICAL FIXTURES, SWITCHES, AND OUTLETS TO BE INSTALLED WITHIN
- 4. WHERE WOOD SURFACES ARE PAINTED, WOOD IS TO BE PROPERLY SEALED, SANDED, PRIMED AND TO RECEIVE 2 COATS, MINIMUM, SHOP FINISH SPRAYED PAINT. 5. ALL WOODWORK, BLOCKING, GROUNDS, ROUGH BUCKS, AND MISCELLANEOUS BLOCKING TO BE OF U.L. APPROVED NON-COMBUSTIBLE MATERIAL IN ACCORDANCE WITH LOCAL MUNICIPAL CODES, PLACEMENT TO BE COORDINATED WITH MILLWORK REQUIREMENTS. ALL BLOCKING IN WALL MUST WITHSTAND 250 POUND FORCE
- 6. WOOD STUDS USED AT SHELVING SYSTEM ARE TO BE GRADE "A" TO INSURE SMOOTH CONTINUOUS CONDITIONS FOR SHELVING SYSTEM. CONCEALED WOOD STUDS AND BLOCKING SHALL BE FIRE TREATED.
- 7. PROVIDE ADEQUATE PROTECTION OF CASEWORK DURING CONSTRUCTION. 8. COUNTERTOPS ARE TO BE CONSTRUCTED WITH A MINIMUM NUMBER OF JOINTS. JOINTS WHERE NECESSARY, JOINTS SHOULD OCCUR AT THE CENTER OF THE COUNTER. PROVIDE JOINT FASTENERS EQUAL TO "K & V
- 9. QUALITY ASSURANCE
 ALL WORK IS TO BE IN ACCORDANCE WITH A.W.I. CUSTOM AND PREMIUM QUALITY STANDARDS. CONTRACTOR TO KEEP COPY OF STANDARDS AT JOB SITE AND AT MILLWORK SHOP. ALL TRANSPARENT FINISH MILLWORK SHALL BE FACTORY FINISHED AND WILL CONFORM TO A.W.I. PREMIUM GRADE STANDARDS FOR CONSTRUCTION. TRANSPARENT FINISH MILLWORK SHALL BE FINISHED IN ACCORDANCE TO A.W.I. FINISH SYSTEM TR-2. PREMIUM GRADE, FULL FILLED & STAINED FINISH. HARDWOOD VENEERS SHALL CONFORM TO THE HARDWOOD PLYWOOD AND VENEER ASSOCIATION BY (HPVA) CLASSIFICATION FOR GRADE "AA". AFFIX THE A.W.I. QUALITY GRADE STAMP TO EACH UNIT OF PRODUCT. THE A.W.I. GRADE STAMP SHALL. DISPLAY CUSTOM OR PREMIUM GRADE AS SPECIFIED FOR EACH SECTION OF WORK.

MILLWORK NOTES, CONTINUED

- 10. DIMENSIONS SHOWN ON ELEVATIONS AND SECTIONS, WHICH REFER TO HEIGHTS FROM FLOOR, SHALL BE THE DIMENSION FROM FINISH FLOOR (ie CARPETING, TILE, ETC.).
- 11. ALL FINISHED MILLWORK SHALL BE SCRIBED TO WALLS, PARTITIONS, CEILINGS AND FLOORS.

GENERAL WINDOW TREATMENT NOTES

CONTRACTOR SHALL PROTECT ALL BUILDING STANDARD BLINDS AT EXTERIOR WINDOWS. BLINDS ARE TO BE DRAWN UP AND WRAPPED IN PLASTIC DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING BLINDS DAMAGED DURING CONSTRUCTION.

LIFE SAFETY (SMOKE DETECTORS, SPEAKERS, & STROBES)

- ANY WORK AFFECTING BUILDING LIFE SAFETY AND INGRESS SYSTEMS MUST BE COORDINATED WITH PROPERTY MANAGER. CONTRACTOR WILL FURNISH FIRE EXTINGUISHERS. ANY FIRE ALARM SET OFF BY CARELESSNESS BY CONSTRUCTOR WILL RESULT IN A CHARGE TO GENERAL CONTRACTOR.
- 2. SMOKE DETECTOR UNITS MUST BE PROTECTED DURING PROJECT CONSTRUCTION. PROTECTION SHALL BE CHECKED IN AND OUT DAILY WITH SECURITY AND REMOVED UPON FINAL COMPLETION OF JOB.
- 3. FURNISH AND INSTALL FIRE ALARM SPEAKERS TO INTERFACE WITH BUILDING FIRE ALARM SYSTEM.
- 4. FURNISH AND INSTALL ALL SPRINKLER HEADS AND PIPING PER ALL APPLICABLE CODE REQUIREMENTS. TYPICAL SPRINKLER HEADS TO MATCH EXISTING, CONTRACTOR TO COORDINATE LOCATION WITH DESIGNER PRIOR TO INSTALLATION.
- 6. SPRINKLER HEADS LOCATED IN AREAS SCHEDULED TO RECEIVE GYPSUM BOARD CEILING SHALL BE
- 7. FURNISH AND INSTALL ADA STROBES TO INTERFACE WITH BUILDING SYSTEM. COORDINATE MOUNTING LOCATIONS WITH DESIGNER PRIOR TO INSTALLATION. COLOR TO MATCH EXISTING, UNLESS NOTED OTHERWISE.
- 8. FIRE EXTINGUISHERS SHALL BE INSTALLED AS PER ALL CODES AND REGULATIONS. VERIFY THE QUANTITIES AND LOCATIONS WITH LOCAL CODE OFFICIALS AND/OR FIRE MARSHAL, COORDINATE INSTALLATION LOCATIONS
- 9. ALL FIRE ALARM PULL AND SIGNAL STATIONS AND LIFE SAFETY STATIONS SHALL CONFORM AS REQUIRED TO LOCAL, MUNICIPAL, AND FIRE PREVENTION CODES IN ACCORDANCE WITH TENANT'S LAYOUT.
- 10. FINAL EXIT SIGN AND EMERGENCY LIGHT LOCATION ARE SUBJECT TO APPROVAL OF LOCAL CODE OFFICIALS AND/OR FIRE MARSHAL. 11. CEILING INSTALLED ITEMS THAT WILL BE VISIBLE IN A PRIMARY SPACE OR ROOM AND AFFECT THE AESTHETICS OF THE PRIMARY SPACE OR ROOM WHICH ARE SPECIFIED ON A CONSULTANT'S DRAWING AND DO NOT ALSO APPEAR ON THE DESIGNER'S DRAWINGS; THE GENERAL CONTRACTOR IS NOT TO ROUGH IN OR INSTALL SUCH ITEM WITHOUT THE DESIGNER'S APPROVAL. ITEMS TO BE REVIEWED OR APPROVED BY THE DESIGNER INCLUDE, BUT ARE NOT LIMITED TO: ANY FIRE ALARM STROBE, WALL MOUNTED EMERGENCY LIGHT
- PROPERTY MANAGER, TENANT, OR DESIGNER. 12. THE TYPE AND ASSOCIATED PARTS OF THE COMPLETE FIRE PROTECTION SYSTEM AS SPECIFIED BY THE M.E.P. CONSULTANT SHALL ADHERE TO BUILDING SPECIFICATIONS AS WELL AS ALL GOVERNING AUTHORITIES. WHEN APPLICABLE, THE CONTRACTOR IS REQUIRED TO PROVIDE FIRE SPRINKLER/FIRE ALARM SHOP DRAWINGS FOR APPROVAL TO THE FIRE INSPECTION OFFICIALS OR ANY OTHER REQUIRED GOVERNING

FIRE ALARM SPEAKER, SOUND SYSTEM SPEAKER. FAILURE TO DO SO MAY ENTAIL REWORK AT NO COST TO

- 13. SPRINKLER HEADS SHALL NOT BE PLACED CLOSER THAN SIX (6) INCHES TO ANY CEILING GRID. 14. FLUSH, WHITE CAPPED, SPRINKLER ESCUTCHEON CAPS SHALL BE USED IN ALL 12" X 12" CONCEALED SPLINE, CAPS TO BE WHITE, UNLESS NOTED
- 15. ALL FIREPROOFING REMOVED FROM THE COLUMNS AND BEAMS DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED WITH THE SAME MATERIAL AND RATING.
- WHERE TELEPHONE AND ELECTRICAL OUTLETS APPEAR BACK TO BACK, OUTLET BOXES ARE TO BE STAGGERED TO REDUCE NOISE TRANSMISSION THROUGH PARTITION.

TELEPHONE AND ELECTRICAL NOTES

FURNITURE SYSTEM POWER PANELS.

- 2. ALL SEPARATE CIRCUITS ARE TO BE FURNISHED WITH DISCONNECT SWITCHES AS REQUIRED BY CODES ALL WORK TO BE DONE IN ACCORDANCE WITH THE CITY ELECTRICAL CODES AND ALL OTHER STATE AND LOCAL CODES THAT HAVE AUTHORITY OVER THIS PROJECT.
- 4. ELECTRICAL CONTRACTOR TO BE RESPONSIBLE FOR THE CUTTING AND PATCHING REQUIRED FOR THE INSTALLATION OF HIS WORK.
- OFFICIALS AND/OR FIRE MARSHAL 6. ALL TELEPHONE AND DATA OUTLETS TO BE PROVIDED BY COMMUNICATIONS CONTRACTOR. GENERA CONTRACTOR IS TO PROVIDE PULL STRING AND RING AT ALL DATA/TELEPHONE OUTLET IN FULL HEIGHT

5. FINAL EXIT SIGN AND EMERGENCY LIGHT LOCATIONS ARE SUBJECT TO THE APPROVAL OF THE LOCAL CODE

- ALL FIRE ALARM PULL AND SIGNAL STATIONS AND LIFE SAFETY SYSTEMS SHALL CONFORM AS REQUIRED TO LOCAL, MUNICIPAL AND FIRE PREVENTION CODES IN ACCORDANCE WITH DESIGNERS LAYOUT.
- 8. ALL ELECTRICAL OUTLETS AND SWITCHES SHALL BE GANGED TOGETHER (WHEN THEY APPEAR TIGHTLY TOGETHER) PROVIDE MULTIGANG JUNCTION BOX AND COVER PLATE.
- 9. SYMBOLS FOR ELECTRICAL, TELEPHONE, AND DATA FLOOR OUTLETS SHOWN ON TELEPHONE/ELECTRICAL PLAN INDICATE FUNCTION ONLY AND DO NOT NECESSARILY DEFINE THE TYPE, QUANTITY OF EXACT LOCATION OF
- 10. ALL CORE LOCATIONS SHALL BE CHALKED ON THE FLOOR BY THE CONTRACTOR FOR COORDINATION WITH THE SYSTEM FURNITURE INSTALLER. OBTAIN THE PROPERTY MANAGER'S AND DESIGNER'S APPROVAL PRIOR TO THE DRILLING OF FLOOR OUTLETS. ANY CORE DRILL WITHOUT AN APPROVAL MAY NOT BE ACCEPTED. 11. THE ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS FOR FLOOR OR WALL OUTLETS FEEDING
- 12. WHERE NOTED "PHONE BOARDS", CONTRACTOR SHALL INSTALL PLYWOOD BACKBOARD (4' X 4' X 3/4" -UNLESS OTHERWISE NOTED) FOR TELEPHONE EQUIPMENT. PLYWOOD SHALL BE SMOOTH AND PAINTED TO MATCH ADJACENT WALL. INSTALL PLYWOOD ABOVE COUNTER, CENTERED ON WALL.

15. ALL CORE DRILLED PENETRATIONS IN CONCRETE FLOORS TO BE FIRE CAULKED PER UL-G-243 ASSEMBLY

- 13. EXHAUST FANS TO BE DUCTED FOR SILENT OPERATIONS. WALL MOUNTED ELECTRICAL, TELEPHONE, AND DATA COVER PLATES TO MATCH EXISTING, UNLESS OTHERWISE
- REQUIREMENTS AND LOCAL CODES. 16. COORDINATE PLACEMENT OF ELECTRICAL SWITCHES, OUTLETS, AND FIXTURES IN MILLWORK IN UL LISTED 17. ALL ABANDONED CIRCUITS, CONDUIT, COMPUTER CABLES, TELEPHONE CABLES, ETC., ARE TO BE REMOVED FROM THE PROJECT CEILING PLENUM.
- CONTRACTOR TO LABEL ALL ELECTRICAL CIRCUITS AND PANELS ON PROJECT, OR UPDATE PANEL SHEETS AS REQUIRED DUE TO ELECTRICAL INSTALLATIONS. 19. UNLESS OTHERWISE NOTED, ALL SWITCHES SHALL BE INSTALLED AT 4'-0" A.F.F. FROM CENTERLINE OF PLATE TO FLOOR AND 5" FROM DOOR BUCK OPENING TO CENTERLINE OF FIRST TOGGLE, OR 5" FROM EDGES OR OPENED DOOR TO CENTERLINE OF FIRST TOGGLE WHICHEVER IS INDICATED ON PLAN.
- 20. TELEPHONE LOW VOLTAGE OR COMMUNICATIONS SYSTEMS WORK IS INTENDED FOR "FREE WIRE" INSTALLATION UNDER SEPARATE CONTRACT. PROVIDE PREPARATORY OR SUBSTRATE WORK UNDER THIS CONTRACT, AS SHOWN OR NOTED. 21. OUTLET BOX CONDUIT SHALL BE STUBBED TO ABOVE CEILING, UNLESS OTHERWISE NOTED.

22. VERIFY LOCATION OF ALL BEAMS, JOISTS, ETC. BEFORE PROCEEDING WITH FLOOR DRILLING OPERATION.

- NOTIFY PROPERTY MANAGER OF ANY CONFLICTS. 23. IT IS THE INTENT OF THESE DRAWINGS TO INDICATE LOCATIONS WHERE OUTLETS ARE NEEDED. ALL NEW OUTLETS SHOWN AREA IN IDEAL LOCATIONS. EXISTING OUTLETS MAY REMAIN UNLESS REQUIRED TO MOVE FOR CONSTRUCTION OR AS NOTED ON THE DRAWINGS. 24. THE CONTRACTOR IS CONFIRM MANUFACTURER'S ELECTRICAL REQUIREMENTS FOR ALL APPLIANCES AND EQUIPMENT AND PROVIDE REQUIRED SERVICE TO SAME.
- 25. MAA IS NOT RESPONSIBLE FOR ENGINEERING THESE PLANS. 26. ALL WORK TO COMPLY WITH LOCAL CITY, STATE AND NATIONAL CODES AND SPECIFICATIONS. 27. IF AN EXISTING OUTLET IS LOCATED 2' OR LESS FROM A NEW OUTLET LOCATION, EXISTING OUTLET IS TO REMAIN IN PLACE OF NEW.
- 28. ALL OUTLETS LOCATED ABOVE COUNTERTOP WORK SURFACES ARE TO BE POSITIONED VERTICALLY
- 29. ALL NEW OUTLETS ARE TO BE MOUNTED AT 18" A.F.F. U.N.O.
- 30. ALL EXISTING ELECTRICAL, TELEPHONE AND DATA OUTLETS ARE TO REMAIN U.N.O. 31. ALL OUTLETS LOCATED IN WET AREAS TO BE G.F.I. 32. NEW TELEPHONE & ELECTRICAL OUTLETS ARE SHOWN FOR DESIGN INTENT & APPROXIMATE LOCATION ONLY. CONTRACTOR TO VERIFY EXACT LOCATIONS OF OUTLETS, CORE DRILLS, FURNITURE WHIPS & JACKS
- 33. ALL EXPOSED CONDUIT WIRING & ACCESSORY UTILITY BOXES CONNECTED TO EXPOSED CONDUIT OR WIRING SHALL BE REMOVED & DISCARDED. 34. ALL TELEPHONE & COMPUTER CABLING BY OTHERS.
- 35, ALL FLOOR PENETRATIONS LARGER THAN 1" ARE TO BE COREDRILLED.
- 36. ALL EXPOSED CABLING TO BE PLENUM RATED OTHERWISE CONDUIT RUNS WILL BE REQUIRED. 37. WHERE REQUIRED BY CODE, WALL SWITCH OCCUPANCY SENSORS ARE TO BE UTILIZED AS STANDARD MATERIALS.

architects ma

merriman associates

architecture - planning

300 N. FIELD ST.

214.987.1299

214.987.2138 (FAX)

PROJECT NUMBER

1. REFER TO CONSULTANT DRAWINGS FOR DETAILS OF WORK REQUIRED TO BE COORDINATED WITH THE WORK SHOWN ON THE ARCHITECTURAL DRAWINGS. ARCHITECTURAL DRAWINGS CONTROL THE LOCATION OF EXPOSED WORK SPECIFICALLY. WORK ABOVE THE CEILING (NEW OR EXISTING DUCT WORK, PLUMBING, SPRINKLER LINES, WIRING, ETC.) DIRECTLY AFFECTED BY THE ARCHITECTURAL DRAWINGS SUCH AS THE LOCATION OF RAISED OR SLOPED CEILINGS, CEILING AREAS, COFFERED CEILINGS, SKYLIGHT SHAFTS, RECESSED LIGHT BOXES, ETC. SHALL BE THE CONTRACTOR'S RESPONSIBILITY DURING THE BID PERIOD TO COORDINATE THE LOCATION OF EXISTING AND NEW ITEMS LOCATED ABOVE THE CEILING SO THAT THEY DO NOT CONFLICT WITH ANY ARCHITECTURAL FEATURES THE CONTRACTOR SHALL NOTIFY THE DESIGNER IMMEDIATELY REGARDING ANY CONFLICT OR DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTANT'S DRAWINGS. FAILURE TO DO SO MAY ENTAIL REWORK AT NO COST TO PROPERTY MANAGER, TENANT, OR DESIGNER.

2. WHERE PANEL BOXES OR ACCESS DOORS ARE REQUIRED WITHIN THE TENANT SPACE, THE CONTRACTOR SHALL PROVIDE PRIME PAINTED MATERIAL OF A TYPE SUITABLE FOR FLUSH INSTALLATION AND SUBSEQUENT FINISH WITH THE SAME MATERIAL AND/OR COLOR AS THE ADJACENT SURFACE. OBTAIN

3. INSTALL LIGHT FIXTURES WHERE SHOWN OR DIMENSIONED BASED ON EXISTING OR PROPOSED CEILING SUSPENSION GRID. COORDINATE ADDITIONAL SUPFORT OR BRACING OF THE GRID WITH THE RESPONSIBLE CONTRACTOR.

ACCESS DOORS/HATCHED MUST BE PROVIDED AT ALL VALVES, DAMPERS, AND OTHER VITAL EQUIPMENT IN THE CEILING SPACE. THE DESIGNER IS TO APPROVE THE LOCATION ON SUBMITTED SHOP DRAWINGS. SEE M.E.P. DRAWINGS FOR SPECIFICATIONS.

5. THE LOCATIONS OF ALL THERMOSTATS FOR TENANT'S HVAC SYSTEM SHALL BE MOUNTED AT 4'-6" A.F.F., UNLESS OTHERWISE NOTED. VERTICALLY ALIGN ALL THERMOSTATS WITH ADJACENT SWITCHES WHEN APPLICABLE.

6. ANY VAV BOXES OR SIMILAR TYPE HVAC ITEMS FOUND IN THE PLENUM REQUIRING ACCESS, MUST BE RELOCATED IF IN CONFLICT WITH WALLS WHETHER OR NOT THE WALL IS TO STRUCTURE OR SIMPLY ATTACHED TO CEILING GRID.

7. WHERE BEAMS, PIPES, AND/OR DUCT WORK OR OTHER EXISTING CONSTRUCTION ITEMS PREVENT THE USE OF RECESSED LIGHT FIXTURES, THE CONTRACTOR SHALL NOTIFY THE DESIGNER IMMEDIATELY FOR AN ALTERNATE LOCATION FOR THE LIGHT FIXTURE. FAILURE TO LOCATE THE FIXTURE AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE DESIGNER MAY ENTAIL RELOCATING THE LIGHT FIXTURES AT CONTRACTORS EXPENSE TO A LOCATION DIRECTED BY THE DESIGNER.

8. VERIFY LOCATION OF ALL BEAMS, JOINTS, AND POST TENSIONING TENDONS BEFORE PROCEEDING WITH FLOOR DRILLING OPERATIONS, NOTIFY LANDLORD OF ANY CONFLICTS.

9. CONCEAL ALL ROUGH-IN WORK WITHIN PARTITIONS OR ABOVE THE CEILING UNLESS OTHERWISE NOTED.

10. THE CONTRACTOR SHALL CHECK ALL HEIGHTS AND CEILING PLENUM CONDITIONS FOR CLEARANCE PRIOR TO PROCEEDING WITH INSTALLATION OF FIXTURES. THE CONTRACTOR IS TO NOTIFY DESIGNER IMMEDIATELY IF CONDITIONS DO NOT ALLOW FOR PROPER INSTALLATION AT LOCATIONS AS INDICATED ON THE REFLECTED CEILING PLAN. THE CONTRACTOR SHALL RECOGNIZE THAT THE INSTALLATION OF ITEMS IN PLACES OTHER THAN THOSE INDICATED ON THE CONSTRUCTION DOCUMENTS AND WITHOUT WRITTEN APPROVAL FOR RELOCATION FROM THE DESIGNER SHALL BE SUBJECT TO RELOCATION OF INCORRECTLY APPROVAL FOR RELOCATION AS INDECEDED BY THE DESIGNER SHALL BE SUBJECT TO RELOCATION OF INCORRECTLY PLACED ITEMS TO A LOCATION AS DIRECTED BY THE DESIGNER AT NO ADDITIONAL COST TO THE TENANT,

11. PLUMBING VENTS SHALL NOT BE LEFT OPEN.

12. ANY HVAC DUCT PENETRATING A FIRE-RATED WALL MUST BE FIRE DAMPERED.

13. ALL UNUSED EQUIPMENT SHALL BE REMOVED AND RETURNED TO PROPERTY MANAGER'S STORAGE.

14. BALANCE COMPANY IS TO BE USED FOR ALL TEST AND BALANCE REPORTS. TEST AND BALANCE REPORTS ARE REQUIRED FOR ALL RENOVATIONS, EXPANSIONS OR NEW-TENANT BUILD-OUTS, UNLESS NOTED OTHERWISE. TEST AND BALANCE WILL COVER ALL HVAC ZONES AFFECTED BY THE PROJECT, NOT JUST THE SPECIFIC AREA OF WORK. ALL BALANCE CONTRACTORS MUST BE NEBB CERTIFIED.

15. PLUMBING SUBCONTRACTOR TO REPLACE EXISTING PVC PIPES WITHIN TENANT SPACE WITH CAST IRON AS REQUIRED BY CODE.

16. ALL FLOOR PENETRATIONS LARGER THAN 1"0 ARE TO BE CORE DRILLED.

17. CONTRACTOR TO SUBMIT DESIGN BUILD DRAWINGS TO ARCHITECT AND MANAGER FOR APPROVAL.

DOOR & HARDWARE NOTES:

GENERAL CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND COORDINATING WITH THE TENANT THE KEYING OF ALL TENANT LOCKS. DEFINE WITH THE TENANT THE QUANTITY OF KEYS NEEDED AND HOW ALL LOCKS SHOULD BE KEYED. CONTACT BUILDING MANAGEMENT. ALL KEYING, COORDINATION, ETC. TO BE COMPLETED WITHIN 48 HOURS OF TENANT BUILD OUT COMPLETION DATE.

2. ALL DOOR FRAMES TO BE HOLLOW METAL, UNLESS NOTED/SCHEDULED OTHERWISE.

3. PROVIDE WALL/FLOOR STOPS FOR ALL DOORS AS SCHEDULED.

4. ALL DOOR HARDWARE FINISHES TO BE SATIN CHROME, UNLESS NOTED/SCHEDULED OTHERWISE.

50. EXTERIOR DOOR HARDWARE SHALL NOT REQUIRE MORE THAN 8.5 LBF TO PUSH OR PULL OPEN A DOOR. SLIGHT INCREASES IN OPENING FORCE SHALL BE WITHIN TENANTS SPACE.

SLIDING, FOLDING AND INTERIOR HINGED DOORS SHALL NOT REQUIRE A FORCE EXCEEDING 5 LBF. AND SHALL MEET A.D.A./CABOP STANDARDS.

6. DOORS AND FRAMES WHICH REQUIRE A FIRE RESISTIVE RATING SHALL BE A TYPE APPROVED BY THE NATIONAL BOARD OF FIRE UNDERWRITERS ALL EXIT DOOR HARDWARE SHALL BE SO ARRANGED AS TO BE READILY OPENED WITHOUT USE OF A KEY OR SPECIAL KNOWLEDGE FROM EGRESS SIDE OF DOOR.

8. DOOR FINISH AS SCHEDULED.

9. G.C. SHALL COORDINATE WITH MEP ALL DOOR UNDERCUTS PRIOR TO INSTALLATION. 10. ALL DEMOLISHED DOORS AND HARDWARE TO BE SAVED FOR POSSIBLE RE-USE. CHECK WITH BUILDING MANAGEMENT AND ARCHITECT PRIOR.

RCP NOTES NOTES:

MAA IS NOT RESPONSIBLE FOR ENGINEERING THESE PLANS. BUILDING REPRESENTATIVE TO BE RESPONSIBLE FOR APPROVING ANY M.E.P. WORK.

CONTRACTOR TO BALANCE HVAC SYSTEM. ARCHITECT AND MANAGER TO APPROVE THERMOSTAT LOCATIONS PRIOR TO INSTALLATION.

3. CONTRACTOR TO CLEAN ITEMS SUCH AS BUT NOT LIMITED TO GRILLES, DIFFUSERS, RETURN AIR GRILLES ETC.FOR LIKE NEW CONDITION & APPEARANCE.

4. CONTRACTOR TO SURVEY AND CONFIRM THAT EXISTING SPRINKLER HEADS AND NECESSARY LINES COMPLY WITH ALL CITY CODES. PROVIDE & INSTALL ADDITIONAL HEADS AS NEEDED.

EACH ROOM TO BE SWITCHED INDIVIDUALLY U.N.O. SWITCHES TO BE MOUNTED 48" A.F.F. MAXIMUM.
MODIFY EXISTING CIRCUITRY AS REQUIRED, ALL OPEN AREAS & HALLWAYS TO BE CIRCUITED TOGETHER

6. PROVIDE & INSTALL EXIT SIGNS AND 24 HOUR LIGHTS, CONTRACTOR TO VERIFY QUANTITY AND

7. CONTRACTOR TO VERIFY REQUIREMENTS AND QUANTITY OF FIRE PROTECTION DEVICES, INCLUDING SMOKE DETECTORS, FIRE ALARMS, ALARM SPEAKERS, ADA/TAS COMPLIANT STROKES, ETC. INCLUDE COSTS TO TIE SUCH DEVICES INTO BUILDING PANEL.

CEILING TILE AS SPECIFIED, WHITE OR APPROVED EQUIVALENT. ALL SUBSTITUTIONS TO BE SUBMITTED TO ARCHITECT AND MANAGER FOR APPROVAL.

ABBREVIATIONS:

HEIGHT ABOVE FINISH FLOOR HEATING, VENTILATING, & AIR CONDITION'S H.V.A.C. LT.F. INFORMATION TO FOLLOW CLEAR OPENING COLUMN MANUFACTURER MUL MULLION NOT IN CONTRACT ELECTRICAL N.T.S. NOT TO SCALE ELEVATION ON CENTER EW.C. F.E.C. F.H.C. ELECTRICAL WATER COOLER FIRE EXTINGUISHER CABINET QUARRY TILE FIRE HOSE CABINET REQD. REQUIRED FIN. SECT. SECTION SOLID CORE GLASS STAINLESS STEEL GYPSUM BOARD UNLESS OTHERWISE NOTED HOLLOW METAL V.C.T. VINYL COMPOSITION TILE HRDW. VERIFY IN FIELD WITH

LIST OF SUBMITTALS

1. FLOOR FINISH:

A. SAMPLES 1. SUBMIT (3) SAMPLES EACH OF ALL SPECIFIED FLOOR FINISHES.

1. SHOP DRAWINGS.

SHOW SPECIAL TILE PATTERN WORK IN DESIGNATED AREAS.

2. SAMPLES. C. STONE/MARBLE

 SHOP DRAWINGS. q. SHOW SPECIAL TILE PATTERN WORK IN DESIGNATED AREAS.

SAMPLES. a. SUBMIT 8" X 8" SAMPLES FOR EACH STONE OR MARBLE TYPE, GROUT COLOR

OR METAL DIVIDER STRIP.

D. CARPET/CARPET BASE

 SHOP DRAWINGS. a. SHOW SEAMING DIAGRAM FOR ALL CARPETED AREAS.

SAMPLES. a. SUBMIT SAMPLES FOR EACH CARPET TYPE AND BASE.

E. RESILIENT TILE/BASE

 SHOP DRAWINGS. SHOW SPECIAL TILE PATTERN WORK IN AREAS DESIGNATED.

SAMPLES. SUBMIT SAMPLES FOR EACH TILE TYPE, BASE AND ACCESSORY.

F. OTHERS: AS REQUESTED

2 WALL FINISHES

1. SUBMITTAL

a. IF ALL PAINT SAMPLES ARE NOT SUBMITTED SIMULTANEOUSLY IN ONE PACKAGE, APPROVALS GIVEN PREVIOUSLY BY THE DESIGNER SHALL NOT BE BINDING AND COLOR SHALL BE SUBJECT TO CHANGE.

b. FURNISH A "DETAILED PAINTING SCHEDULE" FOR APPROVAL BY THE DESIGNER INDICATE TYPE OF SURFACE, TYPE OF PAINT MATERIAL AND NUMBER OF COATS REQUIRED. OBTAIN APPROVAL OF THE "DETAILED PAINTED SCHEDULE" BEFORE DELIVERING MATERIAL TO THE JOB SITE.

c. Submit brand designation and grade of the indicated type produced by the approved manufacturer for each application listed or

a. SUBMIT (3) SAMPLES OF EACH TYPE PAINT FINISH.

b. SAMPLES SHALL BE 12" X12" ON SUITABLE MATERIALS AND SHALL BE AS TRUE A REPRESENTATION OF FINISHED WORK AS IS PRACTICAL. c. LABEL EACH SAMPLE AND SHOW VARIOUS STAGES OF FINISH ON EACH SAMPLES.

B. WALLCOVERING

 SAMPLES SUBMIT (3) SAMPLES OF EACH TYPE WALL COVERING TYPE. SUBMIT COMPLETE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND TEST DATA.

C. OTHERS AS REQUESTED. 3. CEILING TILE AND GRID

A. GENERAL CEILING TILE

 SAMPLES a. CONTRACTOR TO SUBMIT (3) SAMPLES OF EACH TYPE. SUBMIT COMPLETE MANUFACTURER'S INSTALLATION INSTRUCTIONS, TEST DATA AND SPECIFICATIONS TO ARCHITECT FOR APPROVAL.

B. GENERAL CEILING GRID 1. SAMPLES

G. CONTRACTOR TO SUBMIT (3) SAMPLES OF EACH TYPE. SUBMIT COMPLETE MANUFACTURER'S INSTALLATION INSTRUCTIONS, TEST DATA AND SPECIFICATIONS TO ARCHITECT FOR APPROVAL

4. MILLWORK

A. SHOP DRAWINGS

1. SHOW SIZES, QUANTITIES, MARKINGS, MATERIALS, FINISHES, AND INSTALLED HARDWARE. SHEET SIZES SHALL BE A MULTIPLE OF 8 1/2" X 11", NO LONGER THAN 24" X 36" WITH ALL SHEETS SAME SIZE.

2. DRAW PROFILES, SECTIONS AND VIEWS OF ITEMS ESPECIALLY MANUFACTURED FOR THIS WORK, AT A SCALE LARGE ENOUGH TO PERMIT CHECKING FOR DESIGN CONFORMITY. PLANS NO SMALLER THAN 1/4"=1'-0", ELECATION NO SMALLER THAN 3/8"-1'-0", OVERALL CABINET SECTION NO SMALLER THAN 3/4"=1'-0" AND CONNECTING DETAILS NO SMALLER THAN 3"=1'-0", MOULDING FULL SIZE. 3. MAKE ASSEMBLY AND INSTALLATION DRAWINGS TO SHOW METHODS OF FASTENING, BRACING AND CONNECTING TO WORK OF OTHER TRADES. NOTE AND MARK SUFFICIENTLY TO INDICATE COMPLIANCE WITH REQUIREMENTS OF THESE SPECIFICATIONS.

B. SAMPLES

1. SUBMIT (3) MEMO SAMPLES OF EACH TYPE LAMINATED PLASTIC SPECIFIED FOR COLOR AND/OR PATTERN SELECTION.

2. SUBMIT (3) SAMPLE OF EACH DIFFERENT PIECE OF HARDWARE SHOWING STYLE AND

SUBMIT (3) 12" x 12" SAMPLES OF EACH WOOD SPECIFIED FOR COLOR AND FINISH SELECTION.

5. DOORS AND HARDWARE

A. SUBMIT 3 COPIES OF THE FINISH HARDWARE SCHEDULE FOR APPROVAL BEFORE FABRICATION OR DELIVERY OF ANY HARDWARE TO THE SITE. INCLUDE ALL ITEMS REQUIRED FOR THE ENTIRE PROJECT WHETHER OR NOT HEREINAFTER LISTED IN THE DETAIL SCHEDULE.

B. SUBMIT ONE SAMPLE OF TYPICAL LOCKSET, IN FINISH AND DESIGN SPECIFIED, TAGGED FOR INDENTIFICATION. SUBMIT SAMPLES PRIOR TO SUBMITTAL TO THE HARDWARE SCHEDULE, FABRICATION OR DELIVERY OF

C. INCLUDE ALL DETAILS AS TO PROPER TYPE STRIKE PLATES, DUST COVERS LENGTH FOR SPINDLE, HAND BACKSET AND BEVEL OF LOCKS, HAND AND DEGREE OPENINGS FOR CLOSERS, LENGTH OF KICKPLATES, LENGTH OF RODS FOR FLUSH BOLTS, TYPE OF DOOR STOP AND OTHER FUNCTIONS OF MECHANISMS. D. IDENTIFY THE MANUFACTURER OF EACH ITEM IF REQUESTED, AND LIST THE APPROPRIATE FINISH.

E. SHOW DOOR LOCATIONS AND NUMBERS, AND FINISH HARDWARE REQUIRED FOR EACH DOOR. NUMBER HARDWARE DELIVERED TO THE JOB SITE FOR INSTALLATION IN ACCORDANCE WITH THE SCHEDULE NUMBERS. F. AFTER APPROVAL OF HARDWARE SCHEDULE, SUBMIT A MASTER KEY CHART FOR THE PROPERTY

MANAGER/TENANT'S APPROVAL. NO CHANGES SHALL BE MADE TO THE APPROVED SCHEDULE OR CHART WITHOUT THE WRITTEN CONSENT OF THE PROPERTY MANGER/TENANT. G. FINISH COPIES OF THE MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION OF EACH TYPE OF HARDWARE TO BE SUPPLIED; INCLUDE MAINTAINANCE AND KEYING MANUALS.

H. ALL HARDWARE IS TO BE IN FULL COMPLIANCE WITH TITLE III OF THE AMERICANS WITH DISABILITIES ACT. I. ALL RELOCATED DOORS ARE TO REUSE EXISTING HARDWARE WHICH IS IN COMPLIANCE WITH AMERICANS WITH DISABILITIES ACT.

J. SUBMIT SAMPLES OF DESIGNATED WOOD STAIN ON DOOR FACING VENEER SPECIFIED FOR REVIEW/APPROVAL.

A. SAMPLES

6. GLASS PANEL

1. SUBMIT THREE 12" X 12" SAMPLES OF EACH GLASS TYPE.

7. APPLIANCES

A. SUBMIT

PRODUCT DATA: PROVIDE TECHNICAL DATA FOR PRODUCTS SPECIFIED, INCLUDING COMPLETE INSTALLATION AND ANY POWER REQUIREMENTS, ETC...

8. SPECIALTY ITEMS

1. PRODUCT DATA: PROVIDE TECHNICAL DATA FOR PRODUCTS SPECIFIED, INCLUDING COMPLETE INSTALLATION AND ANY POWER REQUIREMENTS, ETC... 2. RESTROOM ACCESSORIES: PROVIDE TECHNICAL DATA FOR PRODUCTS SPECIFIED, INCLUDING FIXTURE AND TRIM, FITTINGS, ACCESSORIES CONSTRUCTION DETAILS, DIMENSIONS OF COMPONENTS, FINISHES, AND COMPLETE INSTALLATION DETAILS.

9. TELEPHONE AND ELECTRICAL

A. SUBMIT (3) SAMPLES OF ALL ELECTRICAL RECEPTACLES.

SUBMIT SAMPLES, AND/OR ORIGINAL PRODUCT SPECIFICATION SHEETS ON ALL LIGHT FIXTURES AND ASSOCIATED PRODUCTS.

10. "ATTIC -STOCK"

A. GENERAL CONTRACTOR TO PROVIDE THE FOLLOWING MATERIALS AND QUANTITIES AT THE DISCRETION OF THE TENANT AND BUILDING MANAGEMENT.

SPECIALTIES/APPLIANCES

architects merriman

associates architecture · planning

interior design 300 N, FIELD ST. DALLAS, TEXAS 75202

214.987.1299

214.987.2138 (FAX)



PROJECT NUMBE

FEBRUARY 9, 2009 SHEET NAME

GENERAL NOTES

A. THE MINIMUM CLEAR WIDTH OF AN ACCESSIBLE ROUTE SHALL BE 36" EXCEPT AT DOORS.

A. IF AN ACCESSIBLE ROUTE IS LESS THAN 60" IN WIDTH, THEN PASSING SPACES OF AT LEAST 60" X 60" SHALL BE PROVIDED AT 200' MAX. SPACING.

SECTION 4.3.5 - HEAD ROOM

A. ACCESSIBLE ROUTES SHALL HAVE 80" MIN. CLEAR HEAD ROOM.

SECTION 4.3.7 - SLOPE

A. RUNNING SLOPE SHALL NOT EXCEEDS 1:20 (IF SLOPE EXCEED 1:20, REFER TO SECTION 4.8)

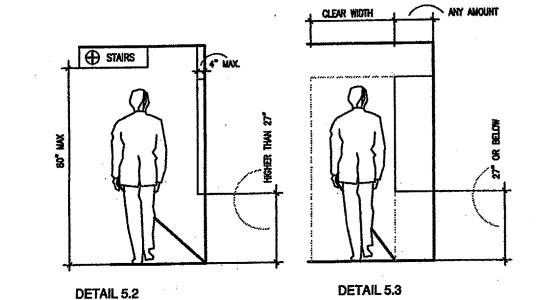
B. CROSS SLOPE SHALL NOT EXCEED 1:50

4.4 - PROTRUDING OBJECTS

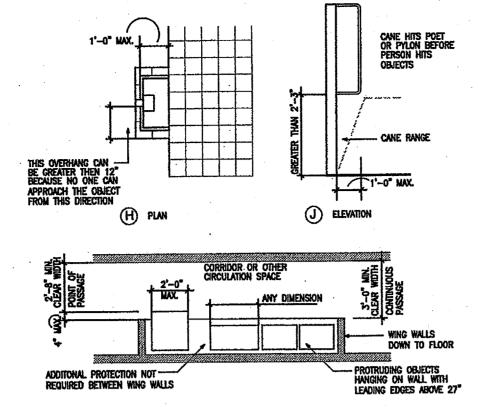
(REFER DETAILS 5.2 & 5.3)

SECTION 4.4.1 - GENERAL

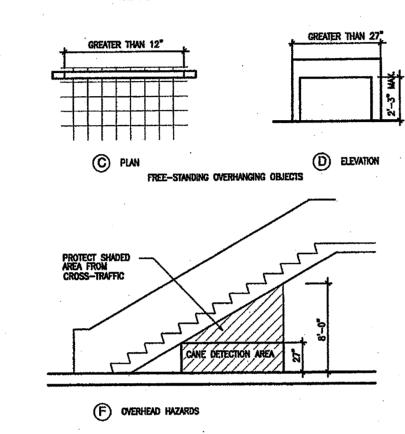
OBJECTS PROJECTING FROM WALLS (FOR EXAMPLE, TELEPHONES) WITH THEIR LEADING EDGES BETWEEN 274 - 80" ABOVE THE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4" IN TO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES. OBJECTS MOUNTED WITH THEIR LEADING EDGES AT OR BELOW 27" ABOVE THE FINISHED FLOOR MAY PROTRUDE ANY AMOUNT. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS MAY OVERHANG 12" MAXIMUM FROM 27"-80" ABOVE THE GROUND OR FINISHED FLOOR. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE OR MANEUVERING SPACE.



4.4 - PROTRUDING OBJECTS, CONTINUED



G EXAMPLE OF PROTECTION AROUND WALL—MOUNTED OBJECTS
AND MEASUREMENT OF CLEAR WIDTH

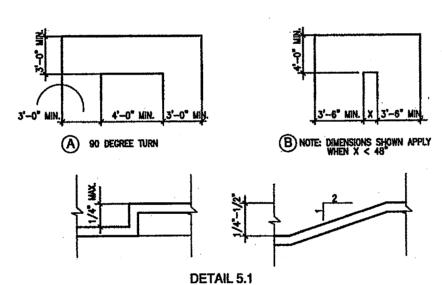


4.5 - GROUND AND FLOOR SURFACES

SECTION 4.5.2 - CHANGES IN LEVEL (REFER TO DETAIL 5.1)

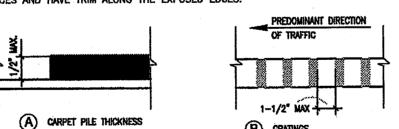
A. CHANGES IN LEVEL UP TO 1/4" MAY BE VERTICAL AND WITHOUT EDGE TREATMENT.

B. CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.



SECTION 4.5.3 - CARPET

A CARPET PROVIDED ON A FLOOR SURFACE SHALL BE SECURELY ATTACHED; HAVE A FIRM PAD OR BACKING, OR NO PAD: AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. MAXIMUM PILE THICKNESS SHALL BE 1/2". EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND HAVE TRIM ALONG THE EXPOSED EDGES.



A. IF GRATINGS ARE LOCATED IN WALKING SURFACES OR ALONG ACCESSIBLE ROUTES, THEN THEY SHALL HAVE SPACES NO GREATER THAN 1/2" WIDE IN ONE DIRECTION.

IF GRATINGS HAVE ELONGATED OPENING, THEN THEY SHALL BE PLACE SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

4.6 - PARKING AND PASSENGER LOADING ZONES

SECTION 4.6.3 - PARKING SPACES

A. ACCESSIBLE PARKING SHALL BE AT LEAST 96" WIDE.

B. PARKING ACCESS AISLES SHALL BE 60" WIDE. VAN ACCESSIBLE ACCESS SHALL BE 96" WIDE.

C. SURFACE SLOPE SHALL NOT EXCEED 1:50 (29 DEGREE) IN ALL DIRECTIONS.

SECTION 4.6.4 - SIGNAGE

A. CHARACTERS AND SYMBOLS ON SUCH SIGNS SHALL BE LOCATED 80" MINIMUM ABOVE THE GROUND. B. SIGNAGE LOCATED WITHIN AN ACCESSIBLE ROUTE SHALL BE LOCATED 80" MIN. ABOVE THE WORKING

SECTION 4.6.5 - VERTICAL CLEARANCE

A. PROVIDE MINIMUM VERTICAL CLEARANCE OF 114" AT ACCESSIBLE PASSENGER LOADING ZONES AND ALONG AT LEAST ONE VEHICLE ACCESS ROUTE FROM SITE ENTRANCES AND EXITS. SECTION 4.6.6 - PASSENGER LOADING ZONE

PASSAGER LOADING ZONES SHALL PROVIDE AN ACCESS AISLE AT LEAST 60" WIDE AND 20' LONG ADJACENT AND PARALLEL TO THE VEHICLE PULL-UP SPACE. IF THERE ARE CURBS BETWEEN THE ACCESS AISLE AND THE VEHICLE PULL-UP SPACE, THEN A CURB RAMP COMPLYING WITH 4.7 SHALL BE PROVIDED. VEHICLE STANDING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPE NOT EXCEEDING 1:50 IN

4.7 - CURB RAMPS

SECTION 4.7.2 - SLOPE (REFERENCE DETAIL 3.1)

A. SLOPE OF CURB RAMPS SHALL COMPLY WITH 4.8.2.

B. MAXIMUM SLOPE OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:20.

4.7 - CURB RAMPS, CONTINUED

SECTION 4.7.3 - WIDTH (REFERENCE DETAIL 3.1)

A. THE MINIMUM WIDTH OF A CURB RAMP SHALL BE 36", EXCLUSIVE OF FLARED SIDES. SECTION 4.7.5 - SIDES OF CURB RAMPS (REFERENCE DETAIL 3.1)

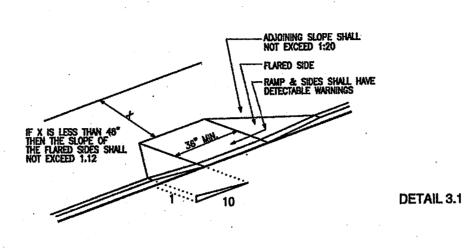
A. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP OR WHERE IT IS NOT PROTECTED BY HANDRAILS OR GUARDRAILS, IT SHALL HAVE FLARED SIDES; THE MAXIMUM SLOPE OF THE

SECTION 4.7.10 - DIAGONAL CURB RAMPS

A. IF DIAGONAL CURB RAMPS HAVE RETURNED CURB OR OTHER WELL-DEFINED EDGES, SUCH EDGES SHALL BE PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. THE BOTTOM OF DIAGONAL CURB RAMPS ARE PROVIDED AT MARK CROSSINGS, THE 48" CLEAR SPACE SHALL BE WITHIN THE MARKINGS. IF DIAGONAL CURB RAMPS HAVE FLARED SIDES, THEY SHALL ALSO HAVE AT LEAST A 24" LONG SEGMENT OF STRAIGHT CURB LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING.

SECTION 4.7.11 - ISLANDS

A ANY RAISED ISLAND IN CROSSING SHALL BE CUT THROUGH LEVEL WITH THE STREET OR CURB RAMPS AT BOTH SIDES AND A LEVEL AREA AT LEAST 48" LONG BETWEEN THE CURB RAMPS IN THE PART OF THE ISLAND INTERSECTED BY THE CROSSINGS.



4.8 - RAMPS

SECTION 4.8.1 - GENERAL

A. ANY PART OF AN ACCESSIBLE ROUTE WITH A SLOPE GREATER THAN 1:20 SHALL BE CONSIDERED A RAMF AND SHALL COMPLY WITH 4.8. **SECTION 4.8.2 - SLOPE AND RISE**

A. THE LEAST POSSIBLE SLOPE SHALL BE USED FOR ANY RAMP. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION SHALL BE 1"12. THE MAXIMUM RISE FOR ANY RUN SHALL BE 30". SECTION 4.8.3 - CLEAR WIDTH

A. THE MINIMUM CLEAR WIDTH OF A RAMP 30 FT OR LESS IN LENGTH SHALL BE 36". RAMPS MORE THAN 30 FT. IN LENGTH SHALL HAVE A MINIMUM CLEAR WIDTH OF 44".

A. LEVEL LANDING REQUIRED AT TOP AND BOTTOM OF EACH RUN, WITH THE FOLLOWING FEATURES: 1. MINIMUM WIDTH: EQUAL TO WIDTH OF RAMP

2. LENGTH: MINIMUM 60" CLEAR

SECTION 4.8.5 - HANDRAILS

A. HEIGHT: 34-38" ABOVE RAMP SURFACE.

B. THE SPACE BETWEEN THE HANDRAIL AND THE WALL SHALL BE 1 1/2".

4.9 - STAIRS

SECTION 4.9.2 - TREADS AND RISERS

A. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND TREAD WIDTHS.

MINIMUM TREAD DEPTH SHALL BE 11", MEASURED FROM RISER TO RISER (NOT including nosing).

2. OPEN RISERS ARE NOT PERMITTED.

SECTION 4.9.4 - HANDRAILS

ONE TREAD BEYOND THE BOTTOM RISER. AT THE TOP, THE EXTENSION SHALL BE PARALLEL TO THE FLOOR. AT THE BOTTOM, THE HANDRAIL SHALL CONTINUE TO SLOPE FOR A DISTANCE OF ONE TREAD

WIDTH (11"); THE REMAINING EXTENSION SHALL BE HORIZONTAL. B. HEIGHT: 34-38", MEASURED FROM THE STAIR NOSING.

4.10 - ELEVATORS

SECTION 4.10.3 - HALL CALL BUTTONS

A. SHALL BE CENTERED 42" ABOVE FLOOR.

SECTION 4.10.4 - HALL LANTERNS

A. VISIBLE SIGNAL SHALL HAVE THE FOLLOWING FEATURES:

FIXTURES SHALL BE MOUNTED WITH CENTERLINE AT LEAST 72" ABOVE THE LOBBY

2. VISUAL ELEMENTS SHALL BE AT LEAST 2 1/2" IN THE SMALLEST DIMENSION.

SECTION 4.10.5 - RAISED AND BRAILLE CHARACTERS ON HOISTWAY ENTRANCES

A. ALL ELEVATOR HOISTWAY ENTRANCES SHALL HAVE RAISED AND BRAILLE FLOOR NO. DESIGNATIONS PROVIDED ON BOTH JAMBS. CENTERLINE OF THE CHARACTERS SHALL BE 60" ABOVE THE FLOOR. CHARACTERS

SECTION 4.10.6 - DOOR PROTECTIVE AND REOPENING DEVICE

ELEVATOR DOORS SHALL OPEN AND CLOSE AUTOMATICALLY. THEY SHALL BE PROVIDED WITH A REOPENING DEVICE THAT WILL STOP AND REOPEN A CAR DOOR AND HOISTWAY DOOR AUTOMATICALLY IF THE DOOR BECOMES OBSTRUCTED BY AN OBJECT OR PERSON.

SECTION 4.10.12 - CAR CONTROLS

A. ALL FLOOR BUTTONS SHALL BE: ALL CONTROL BUTTONS SHALL BE AT LEAST 3/4" IN THEIR SMALLEST DIMENSION.

HEY SHALL BE FLUSH OR RAISED. ALL CONTROL BUTTONS SHALL BE DESIGNATED BY BRAILLE AND BY RAISED STANDARD ALPHABET CHARACTERS FOR LETTERS, ARABIC CHARACTERS FOR NUMERALS. THE CALL BUTTON FOR THE MAIN ENTRY FLOOR SHALL BE DESIGNATED BY A RAISED STAR AT THE LEFT OF THE FLOOR DESIGNATION.

3. MAXIMUM 54" ABOVE FLOOR WHERE SIDE APPROACH IS PROVIDED.

4. MAXIMUM 48" WHERE FORWARD APPROACH IS PROVIDED.

B. EMERGENCY CONTROLS:

SHALL HAVE CENTERLINES 35" MINIMUM ABOVE FLOOR.

2. SHALL BE GROUPED AT BOTTOM OF PANEL.

4.11 - PLATFORM LIFTS

SECTION 4.11.2, 4.27.3 - OTHER REQUIREMENTS CONTROLS AND OPERATING SYSTEMS A. HEIGHT PERMITTED:

CONTROLS AND OPERATING MECHANISMS SHALL BE LOCATED FOR EITHER A FORWARD OR SIDE APPROACH FROM ANY DIRECTION OF TRAVEL. THEY SHALL BE LOCATED 28" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR. THEY SHALL BE OPERABLE WITH ONE HAND. THERE SHALL BE AT LEAST ONE HANDRAIL COMPLYING WHEEL STOPS AND GUARDRAILS SHALL BE PROVIDED WHERE NECESSARY.

4.13 - DOORS

SECTION 4.13.4 - DOUBLE LEAF DOORWAYS

A. DOORWAYS WITH TWO INDEPENDENTLY OPERATED LEAVES SHALL HAVE AT LEAST ONE LEAF THAT MEETS THE REQUIREMENTS IN 4.13.5 AND 4.13.6. SECTION 4.13.5 - CLEAR WIDTH

A. DOORWAYS SHALL PROVIDE A CLEAR OPENING OF 32" MINIMUM, WITH THE DOOR OPEN 90". CLEAR OPENING SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND

EXCEPTION: DOORS NOT REQUIRING FULL USER PASSAGE, SUCH AS SHALLOW CLOSETS, SHALL HAVE A CLEAR OPENING OF 20" MINIMUM.

2. OPENINGS MORE THAN 24" IN DEPTH SHALL PROVIDE A CLEAR OPENING OF 36"

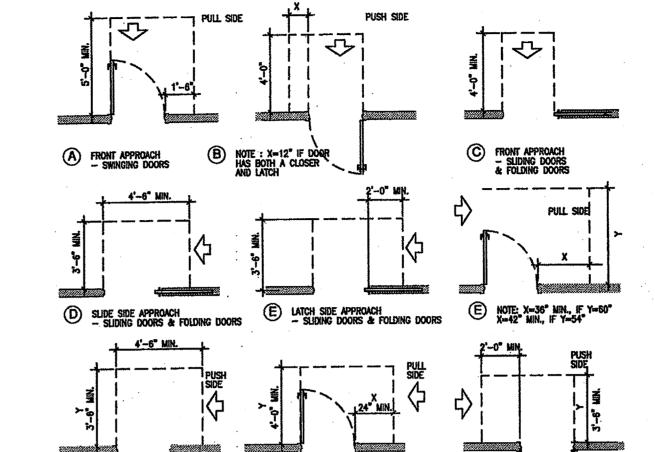
4.13 - DOORS, CONTINUED

SECTION 4.13.6 - MANEUVERING CLEARANCE AT DOORS PROVIDE LEVEL AND CLEAR MANEUVERING AREA AT DOORS AS FOLLOWS:

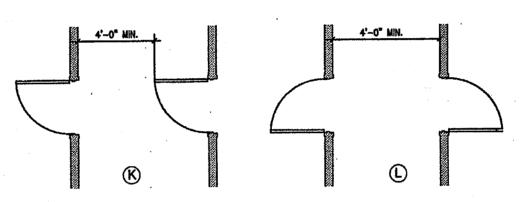
FRONT APPROACH PULL SIDE - 18" MINIMUM BESIDE STRIKE EDGE. FRONT APPROACH PUSH SIDE - 0" BESIDE STRIKE EDGE 12" IF DOOR HAS BOTH A CLOSER AND A LATCH - 60" MINIMUM WIDTH; 36 MINIMUM BESIDE STRIKE EDGE HINGE SIDE APPROACH PULL SIDE

LATCH SIDE APPROACH PULL SIDE LATCH SIDE APPROACH PUSH SIDE

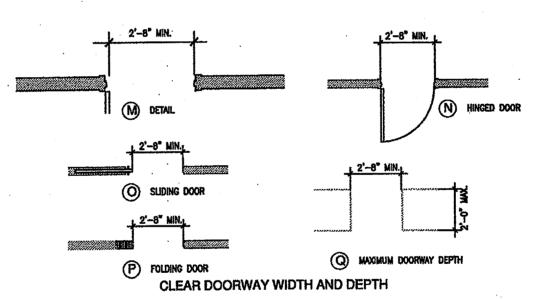
→ 42° MINIMIIM WIDTH 48" MINIMUM WIDTH IF DOOR HAS BOTH A CLOSER AND LATCH. - 48" MINIMUM WIDTH AND 24" MINIMUM BESIDE STRIKE EDGE 54" MINIMUM WIDTH IF DOOR HAS CLOSER. - 42" MINIMUM WIDTH AND 24" MINIMUM BESIDE STRIKE EDGE - 48" MINIMUM WIDTH IF DOOR HAS CLOSER.



LATCH SIDE APPROACH - SWINGING DOORS NOTE: ALL DOORS IN ABOVES SHALL COMPLY WITH THE CLEARANCES FOR FRONT APPROACHES. MANEUVERING CLEARANCES AT DOORS



TWO HINGED DOORS IN SERIES



SECTION 4.13.8 - THRESHOLD AT DOORWAYS

A. MAXIMUM THRESHOLD HEIGHT: 1/2" (3/4" AT EXTERIOR SLIDING DOORS) RAISED THRESHOLDS AND FLOOR LEVEL CHANGES SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

SECTION 4.13.9 - DOOR HARDWARE A. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND & DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE

1. LEVER - OPERATED MECHANISMS, PUSH - TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE IN DESIGNS.

2. WHEN SLIDING DOOR ARE FULLY OPEN, OPERATING HARDWARE SHALL BE EXPOSED

AND USABLE FROM BOTH SIDES. HARDWARE REQUIRED FOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48"

SECTION 4.13.10 - DOOR CLOSERS

ABOVE FINISHED FLOOR.

A. IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREE, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.

SECTION 4.13.11 - DOOR OPENING FORCE A. THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS:

OTHER DOORS

1. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.

EXTERIOR HINGED DOORS: NO REQUIREMENT.

b. INTERIOR HINGED DOORS: 5.0 LBF.

C. SLIDING OR FOLDING DOORS: 5.0 LBF.

THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.

4.15 - DRINKING FOUNTAINS

SECTION 4.15.2 - SPOUT HEIGHT (REFERENCE DETAIL 11.1)

A. SPOUT SHALL BE NO HIGHER THAN 36", MEASURED FROM THE FLOOR OR GROUND SURFACE OF THE UNIT. SECTION 4.15.3 - SPOUT LOCATION

A. SPOUT SHALL BE LOCATED AT THE FRONT OF THE UNIT AND SHALL DIRECT THE WATER FLOW IN A TRAJECTORY THAT IS PARALLEL OR NEARLY PARALLEL TO THE FRONT OF THE UNIT. 1. THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4" HIGH.

2. IF THE FOUNTAIN HAS A ROUND OR OVAL BOWL, THE SPOUT MUST BE POSITIONED

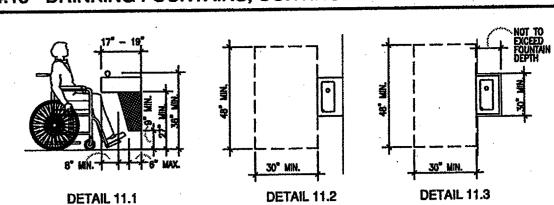
SO THE FLOW OF WATER IS WITHIN 3" OF THE FRONT EDGE OF THE FOUNTAIN.

SECTION 4.15.4 - CONTROLS A. UNIT CONTROLS SHALL BE FRONT MOUNTED OR SIDE MOUNTED NEAR THE FRONT EDGE. SECTION 4.15.5 - CLEARANCES (REFERENCE DETAIL 11.1)

A. WALL AND POST MOUNTED CANTILEVER FOUNTAINS SHALL HAVE CLEAR KNEE SPACE AS FOLLOWS: 1. MINIMUM 27" HIGH (FROM APRON BOTTOM TO FLOOR) MINIMUM 30" WIDE, AND 17"-19" DEEP.

2. A MINIMUM 30" BY 48" CLEAR FLOOR SPACE ALLOWING A FORWARD APPROACH TO B. FREE STANDING OR BUILT-IN UNITS NOT HAVING A CLEAR KNEE SPACE SHALL HAVE A MINIMUM 30" BY 48" CLEAR FLOOR SPACE ALLOWING A PARALLEL APPROACH TO THE UNIT.

4.15 - DRINKING FOUNTAINS, CONTINUED



- 56" MINIMUM TO FRONT OF TOILET X 48" MINIMUM WIDE.

4.16 - WATER CLOSETS

SECTION 4.16.2 - CLEAR FLOOR SPACE

A. CLEAR FLOOR SPACE FOR WATER CLOSETS NOT IN STALLS SHALL BE PROVIDED AS FOLLOWS:

- 60" MINIMUM WIDE X 56" MINIMUM LONG. 4.16 - WATER CLOSETS, CONTINUED

SECTION 4.16.3 - HEIGHT (REFERENCE DETAIL 12.1.1)

A. THE HEIGHT TO THE TOP OF THE TOILET SEAT SHALL BE 17"-19" ABOVE FLOOR.

1. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

SECTION 4.16.4, 4.26 - GRAB BARS (REFERENCE DETAIL 12.1.1 AND 12.1.2) FOR WATER CLOSETS NOT LOCATED IN TOILET STALLS, THE FOLLOWING GRAB BARS SHALL BE PROVIDED, 33"-36" ABOVE THE FINISH FLOOR:

1. SIDE WALL: 42" LONG MINIMUM, 12" FRONT BACK WALL. 2. BACK WALL: 36" LONG MINIMUM, 12" MINIMUM EACH SIDE OF WATER CLOSET CENTERLINE.

SECTION 4.16.5, 4.27.4 - FLUSH CONTROLS (REFERENCE DETAIL 12.1.2)

REFER TO 4.26 GRAB BARS FOR SIZE AND STRUCTURAL ELEMENTS.

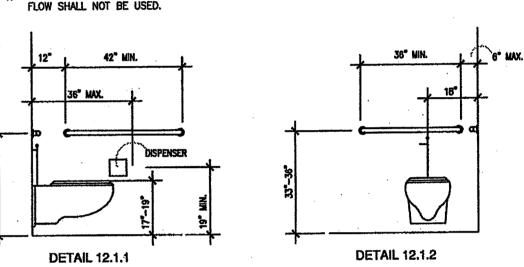
A. CONTROLS SHALL BE 44" MAXIMUM ABOVE THE FINISH FLOOR. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET

2. CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.

CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.

4. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF. SECTION 4.16.6 - DISPENSERS (REFERENCE DETAIL 12.1.1) A. TOILET PAPER DISPENSERS SHALL BE INSTALLED ON THE SIDE WALL, A MINIMUM 19" ABOVE THE FLOOR,

AND A MAXIMUM 36" FROM THE REAR WALL. DISPENSERS THAT CONTROLS DELIVERY OR DO NOT PERMIT CONTINUOUS PAPER



4.17 - TOILET STALLS

SECTION 4,22.4 - WHERE APPLICABLE

A. IF TOILET STALLS ARE PROVIDE IN A TOILET ROOM OR BATHROOM, THEN AT LEAST ONE SHALL BE A

"STANDARD" ACCESSIBLE TOILET STALL (FOR WHEELCHAIR USER) COMPLYING WITH THIS SECTION. B. IF 6 OR MORE TOILET STALLS ARE PROVIDED IN A TOILET ROOM OR BATHROOM IN ADDITION TO THE "STANDARD" ACCESSIBLE STALL REQUIRED; AN ADDITIONAL "ALTERNATE A" ACCESSIBLE STALL 36" WIDE (FOR AMBULATORY PERSONS WITH DISABILITIES) COMPLYING WITH THIS SECTION SHALL BE PROVIDED.

C. ALTERATIONS/EXISTING CONDITIONS: IN ALTERATION WORK. WHERE PROVISION OF A "STANDARD" ACCESSIBLE STALL IS TECHNICALLY INFEASIBLE, OR WHERE PLUMBING CODE REQUIREMENTS PREVENT COMBINING EXISTING STALLS TO PROVIDE SPACE, EITHER "ALTERNATE" STALL (A OR B) COMPLYING WITH THIS SECTION MAY BE PROVIDED IN LIEU OF THE STANDARD STALL

SECTION 4.17.3 - SIZE AND ARRANGEMENT (REFERENCE DETAIL)

A. TOILET STALL MAY BE ARRANGED TO PROVIDE EITHER A LEFT OR A RIGHT HANDED APPROACH. ACCESSIBLE

54" MINIMUM DEPTH.

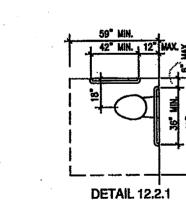
DOOR: OUTWARD SWINGING.

TOILET STALLS SHALL HAVE THE FOLLOWING DIMENSIONS: 1. "STANDARD" ACCESSIBLE STALL 59" MINIMUM DEPTH, WITH FLOOR MOUNTED WATER CLOSET.

56" MINIMUM DEPTH, WITH WALL MOUNTED WATER CLOSET. DOOR: OUTWARD SWINGING (IF DOOR SWINGS INTO STALL, DEPTH SHALL BE

 "ALTERNATE A" ACCESSIBLE STALL (REQUIRED WHEN MORE THAN 6 STALLS PROVIDED, PERMITTED IN LIEU OF STANDARD STALL IN CERTAIN ALTERATIONS.) 69" MINIMUM DEPTH, WITH FLOOR MOUNTED WATER CLOSET.

66" MINIMUM DEPTH WITH WALL MOUNTED WATER CLOSET. DOOR: OUTWARD SWINGING. 3. "ALTERNATE B" ACCESSIBLE STALL (PERMITTED IN LIEU OF STANDARD STALL ONLY IN CERTAIN ALTERATIONS) 48" MINIMUM WIDTH.



SECTION 4.17.4 - TOE CLEARANCES

A. IN "STANDARD" ACCESSIBLE STALLS, THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF AT LEAST 9" ABOVE THE FLOOR.

B. IF THE DEPTH OF THE STALL IS GREATER THAN 60", THE TOE CLEARANCE IS NOT REQUIRED. SECTION 4.17.5 - DOORS

A. TOILET STALL DOORS, INCLUDING HARDWARE, SHALL COMPLY WITH ELEMENT 10: DOORS

SIDE OF THE STALL AND ANY OBSTRUCTION SHALL BE 42" MINIMUM. (THIS IS AN EXCEPTION FROM TYPICAL DOOR MANEUVERING CLEARANCES).

SECTION 4.17.6 - GRAB BARS (REFERENCE DETAILS 12.1.1, 12.1.2, AND 12.2.1) A. GRAB BARS MOUNTED 33"-36" ABOVE THE FLOOR, SHALL BE PROVIDED AS FOLLOWS:

1. "STANDARD" ACCESSIBLE STALL: ONE 40" SIDE WALL GRAB BAR (ON NEAR WALL)

B. IF TOILET STALL APPROACH IS FROM THE LATCH SIDE OF THE STALL DOOR, CLEARANCE BETWEEN THE DOOR

AND ONE REAR WALL GRAB BAR. 2. "ALTERNATE A" ACCESSIBLE STALL: 42" SIDE WALL GRAB BAR EACH SIDE.

3. "ALTERNATE B" ACCESSIBLE STALL: ONE 42" SIDE WALL GRAB BAR (ON NEAR WALL); ONE REAR WALL GRAB BAR.

4. SIDE WALL GRAB BARS: MINIMUM LENGTH AS INDICATED, MOUNTED 12" MAXIMUM

5. REAR WALL GRAB BAR: MINIMUM LENGTH 36", 12" MINIMUM EACH SIDE OF WATER CLOSET CENTERLINE. REFER TO 4.26 GRAB BARS FOR SIZE AND STRUCTURAL REQUIREMENTS.

architects

merriman

associates

interior design

300 N. FIELD ST.

DALLAS, TEXAS 75202

214.987.12**99**

214.987.2138 (FAX)

FEBRUARY 9, 2009

SECTION 4.18.2 - HEIGHT (REFERENCE DETAIL 12.3.1)

A. URINALS SHALL BE STALL-TYPE OR WALLHUNG WITH TAPERED, ELONGATED RIM AT 17" MAXIMUM ABOVE THE FINISHED FLOOR. THE RIM SHALL EXTEND A MINIMUM OF 14" FROM THE WALL

SECTION 4.18.3 - CLEAR FLOOR SPACE (REFERENCE DETAIL 12.3.2)

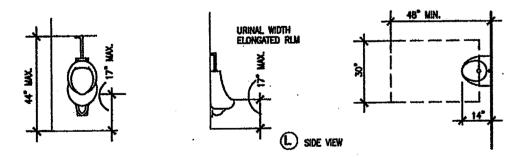
- A CLEAR FLOOR SPACE 30" WIDE BY 48" DEEP MINIMUM SHALL BE PROVIDED IN FRONT OF URINAL TO
- 1. THIS SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE. 2. URINAL SHIELDS THAT DO NOT EXTEND BEYOND THE FRONT EDGE OF THE URINAL RIM MAY BE PROVIDED

ALLOW FRONTAL APPROACH.

- WITH 29" CLEARANCE BETWEEN THEM. 3. URINALS INSTALLED IN ALCOVES DEEPER THAN 24" REQUIRE A MANEUVERING AREA OF AT LEAST 36"

SECTION 4.18.4 - FLUSH CONTROLS (REFERENCE DETAIL 12.3.1)

- A. CONTROLS SHALL BE 44" MAXIMUM ABOVE THE FINISHED FLOOR.
- 1. CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.
- 2. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT CLASPING, PINCHING, OR
- 3. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.



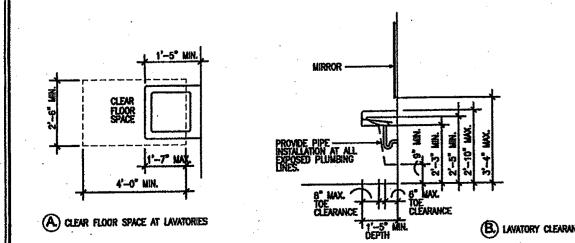
4.19 - LAVATORIES & MIRRORS

SECTION 4.19.2 - HEIGHT & CLEARANCES (REFERENCE DETAIL 12.5.1 AND 12.5.2)

- A. LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAN 34" ABOVE THE
- 1. LAVATORIES SHALL BE EXTEND 17" MINIMUM FROM THE WALL.
- 2. CLEARANCE OF 29" MINIMUM SHALL BE PROVIDED FROM THE FINISHED FLOOR TO BOTTOM OF APRON. 3. KNEE CLEARANCE OF 27" MINIMUM SHALL BE EXTENDED 8" MINIMUM UNDER THE EDGE OF THE LAVATORY.
- 4. TOE CLEARANCE OF 9" MINIMUM SHALL BE PROVIDED FOR THE FULL DEPTH OF THE LAVATORY.

SECTION 4.19.4 - EXPOSED PIPES AND SURFACES

- A. HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO
- PROTECT AGAINST CONTACT. B. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.



4.19 - LAVATORIES & MIRRORS, CONTINUED

SECTION 4.19.5 , 4.27.4 - FAUCETS

- A. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT CLASHING, PINCHING, O TWISTING OF THE WRIST.
- B. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.
- C. LEVER-OPERATED, PUSH-TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF
- D. IF SELF-CLOSING VALVES ARE USED THE FAUCET SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS.

SECTION 4.19.6 - MIRRORS (REFERENCE DETAIL 12.5.1)

MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE RELECTING SURFACE 40" MAXIMUM ABOVE THE FINISHED FLOOR.

4.20 - BATHTUBS

SECTION 420.2 - FLOOR SPACE

- A. CLEAR FLOOR SPACE SHALL BE PROVIDED IN FRONT OF BATHTUBS AS FOLLOWS: 30" WIDE X 60" LONG BESIDE THE BATHTUB FOR SIDE APPROACH
- 48" WIDE X 60" LONG BESIDE THE BATHTUB FOR FRONT APPROACH WITH SEAT AT HEAD OF TUB - 30" WIDE X 75" LONG BESIDE TUB

SECTION 4.20.3 - SEAT

AN IN-TUB SEAT OR A SEAT AT THE HEAD END OF THE TUB SHALL BE PROVIDED. SEATS SHALL BE MOUNTED SECURELY AND SHALL NOT SLIP DURING USE.

SECTION 4.20.4 - GRAB BARS

A. HEIGHTS PERMITTED:

- CONTROL WALL: 24" LONG MINIMUM, FROM OUTSIDE WALL, 33-36" ABOVE FLOOR. BACK WALL: 2 BARS, 24" LONG MINIMUM, 12" MAXIMUM FROM FOOT END, 24" MAXIMUM FROM HEAD END; ONE 33-36" ABOVE FLOOR, ONE 9" ABOVE THE TUB. HEAD WALL: 12" MINIMUM, FROM OUTSIDE WALL, 33-36" ABOVE FLOOR
- CONTROL WALL: 24" LONG MINIMUM, FROM OUTSIDE WALL, 33-36" ABOVE FLOOR. BACK WALL: 2 BARS, 48" LONG MINIMUM, 12" MAXIMUM FROM FOOT END, 15" MAXIMUM FROM HEAD END; ONE 33-36" ABOVE FLOOR, ONE 9" ABOVE THE TUB. HEAD WALL: NONE

SECTION 4.20.6 - SHOWER UNIT

A. A SHOWER SPRAY UNIT WITH A HOSE AT LEAST 60" LONG SHALL BE PROVIDED.

4.21 - SHOWER STALLS

SECTION 4.212 - SIZE AND CLEARANCES

A. SHOWER STALLS SHALL BE EITHER 36" X 36" CLEAR INSIDE DIMENSION OR 30" MIN. X 60" MIN. CLEAR INSIDE DIMENSION.

SECTION 4.21.3 - SEAT

- A. SEAT IS REQUIRED IN 36" X 36" STALLS, AND SHALL HAVE THE FOLLOWING FEATURES:
- 1. SHALL BE 17"-19" ABOVE BATHROOM FLOOR
- 2. SHALL EXTEND THE FULL DEPTH OF THE STALL
- 3. SHALL BE LOCATED ON THE WALL OPPOSITE CONTROL WALL
- 4. MAXIMUM SPACE BETWEEN WALL AND SEAT EDGE SHALL BE 1-1/2" 5. SHALL PROJECT 16" MAXIMUM INTO STALL WIDTH, EXCEPT AT THE REAR 15" MAXIMUM OF THE STALL

SECTION 4.214 - GRAB BARS

A. GRAB BARS SHALL BE MOUNTED 33"-36" ABOVE FLOOR

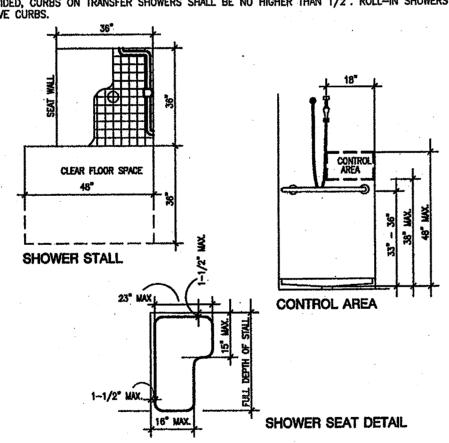
WHERE THE SEAT MAY PROJECT 23"

SECTION 4215 - CONTROLS

- A. ALL SHOWER CONTROLS SHALL BE LOCATED 38" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR
- A. A SHOWER SPRAY UNIT WITH A HOSE AT LEAST 60" LONG THAT CAN BE USED BOTH AS A FIXED SHOWER HEAD AND AS A HAND HELD SHOWER SHALL BE PROVIDED. THE MOUNTING DEVICE SHALL COMPLY WITH THE REQUIREMENTS FOR FORWARD REACH.

SECTION 4217 - CURBS

A. IF PROVIDED, CURBS ON TRANSFER SHOWERS SHALL BE NO HIGHER THAN 1/2". ROLL-IN SHOWERS SHALL



4.22 - TOILET ROOMS

SECTION 4.22.2 - DOORS

A. ALL DOORS TO ACCESSIBLE TOILET ROOMS SHALL COMPLY WITH 4.13. DOORS SHALL NOT SWING INTO CLEAR FLOOR SPACE REQUIRED FOR ANY FIXTURE. CLEAR FLOOR TURNING SPACE MAY OVERLAP DOOR SWINGS.

SECTION 4223 - CLEAR FLOOR SPACE

A. THE ACCESSIBLE FIXTURES AND CONTROLS REQUIRED IN 4.22.4, 4.22.5, 4.22.6, 4.22.7 SHALL BE ON AN ACCESSIBLE ROUTE. AN UNOBSTRUCTED TURNING SPACE COMPLYING WITH 4.2.3 SHALL BE PROVIDED WITH AN ACCESSIBLE TOILET ROOM. THE CLEAR FLOOR SPACE AT FIXTURES AND CONTROLS, THE ACCESSIBLE ROUTE, AND THE TURNING SPACE MAY OVERLAP, HOWEVER; THE ONLY TURNING SPACE PROVIDED SHALL

NOT BE LOCATED WITHIN A STALL SECTION 4.22.4 - WATER CLOSETS

A. IF TOILET STALLS ARE PROVIDED, THEN AT LEAST ONE SHALL BE A STANDARD TOILET STALL COMPLYING WITH 4.17; WHERE 6 OR MORE STALLS ARE PROVIDED IN ADDITION TO THE SHALL COMPLYING WITH 4.17.3, AT LEAST ONE STALL 36" WIDE WITH AN OUTWARD SWINGING, SELF-CLOSING DOOR AND PARALLEL GRAB BARS SHALL BE PROVIDED. WATER CLOSETS IN SUCH STALLS SHALL COMPLY WITH 4.16.

A. IF URINALS ARE PROVIDED, THEN AT LEAST ONE SHALL COMPLY WITH 4.18.

SECTION 4226 - LAVATORIES AND MIRRORS IF LAVATORIES AND MIRRORS ARE PROVIDED, THEN AT LEAST ONE OF EACH SHALL BE PROVIDED IN THE TOILET ROOM AND COMPLY WITH 4.19. ACCESSIBLE LAVATORIES & MIRRORS SHALL NOT BE LOCATED WITHIN TOILET STALLS UNLESS OTHER ACCESSIBLE LAVATORIES AND MIRRORS ARE.

SECTION 4227 - CONTROLS AND DISPENSERS

IF CONTROLS, DISPENSERS, RECEPTACLES, OR OTHER EQUIPMENT ARE PROVIDED, THEN AT LEAST ONE OF EACH SHALL BE ON AN ACCESSIBLE ROUTE AND SHALL COMPLY WITH 4.27 - (CONTROLS & OPERATING

SECTION 423.8 - BATHING AND SHOWER FACILITIES

A. IF TUBS AND SHOWERS ARE PROVIDED, THEN AT LEAST ONE ACCESSIBLE TUB THAT COMPLIES WITH 4.20 OR AT LEAST ONE ACCESSIBLE SHOWER THAT COMPLIES WITH 4.21 SHALL BE PROVIDED.

4.24 - SINKS

SECTION 4242 - HEIGHT (REFERENCE DETAIL 125.1) A. SINKS SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAN 34" ABOVE THE FINISHED FLOOR.

SECTION 4.24.3 - KNEE CLEARANCE (REFERENCE DETAIL 12.5.2)

A. KNEE CLEARANCE OF 27" HIGH MINIMUM, 30" WIDE MINIMUM, AND 19" DEEP MINIMUM SHALL BE PROVIDE

SECTION 4.24.4 - DEPTH

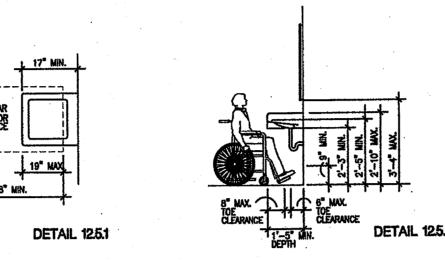
A. EACH SINK SHALL BE A MAXIMUM OF 6-1/2" DEEP.

SECTION 424.6 - EXPOSED PIPES AND SURFACES

A. HOT WATER AND DRAIN PIPES UNDER SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT

B. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDES SINKS. SECTION 4.24.7, 4.27.4 - FAUCETS

- A. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
- B. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.
- C. LEVER-OPERATED, PUSH-TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF
- D. IF SELF-CLOSING VALVES ARE USED THE FAUCET SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS.



4.25 - STORAGE

SECTION 425.1 - DEPTH (REFERENCE DETAIL 14.5 & 14.6)

A. STORAGE AREAS MAY BE 36" IN DEPTH OR LESS. IF MORE THAN 36" IN DEPTH THEN AREA MUST ALLOW 60" DIAMETER OF CLEAR FLOOR SPACE FOR TURNING.

SECTION 4252 - CLEAR FLOOR SPACE

A. A CLEAR FLOOR SPACE AT LEAST 30" BY 48" COMPLYING WITH 4.2.4. THAT ALLOWS EITHER A FORWARD OR PARALLEL APPROACH BY A PERSON USING A WHEELCAHIR SHALL BE PROVIDED AT ACCESSIBLE STORAGE

SECTION 4.25.3 - HEIGHT (REFERENCE DETAIL 14.3 AND 14.4)

- A. WHERE A FORWARD REACH IS REQUIRED, ACCESSIBLE STORAGE SPACES SHALL BE 48" MAXIMUM AND 15" MINIMUM ABOVE THE FLOOR. IF THE FORWARD REACH IS OVER AN OBSTRUCTION (WITH KNEE SPACE EQUAL TO OR GREATER THAN REACH DISTANCE) 20"-25" DEEP, THE MAXIMUM HEIGHT SHALL BE 44": IF THE OBSTRUCTION IS LESS THAN 20", MAXIMUM HEIGHT SHALL BE 48".
- B. WHERE A SIDE REACH IS PROVIDED, ACCESSIBLE STORAGE SPACES SHALL BE 54" MAXIMUM AND 9" MINIMUM ABOVE THE FLOOR. MAXIMUM HEIGHT SHALL BE 46" FOR SIDE REACH OVER AN OBSTRUCTION 34" MAXIMUM HIGH AND 24" MAXIMUM DEEP.
- C. CLOTHES RODS OR SHELVES SHALL BE A MAXIMUM 54" ABOVE FLOOR WHERE A SIDE REACH IS REQUIRED.
- D. WHERE THE DISTANCE FROM THE WHEELCHAIR TO THE CLOTHES ROD OR SHELF EXCEEDS 10" (AS AT CLOSETS WITH INACCESSIBLE DOORS) THE FOLLOWING CRITERIA SHALL BE MET:

2. CLOTHES RODS: REACH 21" MAXIMUM; HEIGHT: 48" MAXIMUM. **SECTION 4.25.4, 4.27.4 - HARDWARE**

- A. HARDWARE FOR ACCESSIBLE STORAGE FACILITIES SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT CLASHING, PINCHING, OR TWISTING OF THE WRIST.
- B. THE FORCE REQUIRED TO ACTIVATE THE HARDWARE SHALL BE NO GREATER THAN 5 LBF.

4.26 - GRAB BARS

SECTION 4.26.2 - SIZE AND SPACING

- A. DIAMETER OR WIDTH OF GRIPPING SURFACE SHALL BE 1-1/4" TO 1-1/2". OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE.
- 1. THE SPACE BETWEEN GRAB BARS AND ADJACENT WALLS SHALL BE 1-1/2".

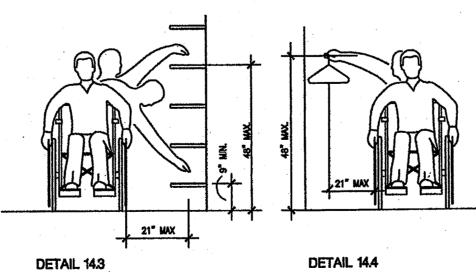
1. SHELVES REACH: 21" MAXIMUM; HEIGHT: 48" MAXIMUM, 9" MINIMUM.

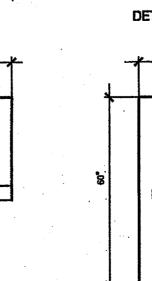
SECTION 4263 - STRUCTURAL STRENGTH

ANY AMOUNT

DETAIL 145

- A. GRAB BARS AND MOUNTING DEVICES SHALL MEET THE FOLLOWING REQUIREMENTS:
- BENDING STRESS INDUCED BY MAXIMUM BENDING MOMENT FROM APPLICATION OF 250 LBF SHALL BE LESS SHEAR STRESS INDUCED BY APPLICATION OF 250 LBF SHALL BE LESS THAN ALLOWABLE SHEAR STRESS
- FOR MATERIAL USED. IF CONNECTION BETWEEN GRAB BAR AND MOUNTING BRACKET IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL BE TOTALED FOR THE COMBINED SHEAR STRESS, WHICH SHALL NOT EXCEED THE ALLOWANCE SHEAR STRESS. 3. SHEAR FORCE INDUCED IN A FASTENER OR MOUNTING DEVICE FROM APPLICATION OF 250 LBF SHALL BE LESS THAN ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHICHEVER IS THE SMALLER ALLOWABLE LOAD.
- TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF 250 LBF PLUS THE MAXIMUM MOMENT FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND THE SUPPORTING STRUCTURE.
- 5. GRAB BARS SHALL NOT ROTATE WITHIN THIER FITTINGS.





DETAIL 14.6

4.26 - GRAB BARS, CONTINUED

SECTION 426.4 - ELIMINATING HAZARDS

A. GRAB BARS AND ADJACENT WALL SURFACES SHALL BE FREE OF SHARP OR ABRASIVE SURFACES.

B. EDGES SHALL HAVE A RADIUS OF 1/8" MINIMUM.

4.27 - CONTROLS AND OPERATING MECHANISMS

SECTION 4272 - CLEAR FLOOR SPACE

A. CLEAR FLOOR SPACE COMPLYING WITH 4.2.4 THAT ALLOWS A FORWARD OR A PARALLEL APPROACH BY A PERSON USING WHEELCHAIR SHALL BE PROVIDED AT CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT. CONTROLS AND OPERATING MECHANISMS LOCATED IN ALCOVES DEEPER THAN 24" REQUIRE ADDITIONAL MANEUVERING AREA.

SECTION 4.27.3 - HEIGHT (REFER TO DETAIL 16.3)

- A. FRONT APPROACH 48" MAX. TO 15" MIN.
- B. SIDE APPROACH 54" MAX. TO 19" MIN., EXCEPT PER BELOW. C. ELECTRICAL & COMMUNICATION SYSTEM RECEPTACLES SHALL BE MOUNTED NO LESS THAN 15" ABOVE THE

4.28 - ALARMS

SECTION 4.28.1 - GENERAL

A. WHEN REQUIRED, VISUAL ALARMS SHALL BE PROVIDED IN EACH OF THE FOLLOWING AREAS, AS A MINIMUM RESTROOMS AND ANY OTHER GENERAL USAGE AREAS (E.G., MEETING ROOMS), HALLWAYS, LOBBIES, AND ANY OTHER AREA FOR COMMON USE.

SECTION 4282 - AUDIBLE ALARMS

SECTION 4283 - VISUAL ALARMS

A. IF PROVIDED, AUDIBLE ALARMS SHALL PRODUCE A SOUND THAT EXCEEDS THE PREVAILING EQUIVALENT SOUND LEVEL IN THE ROOM OR SPACE BY AT LEAST 15 DBA OR EXCEEDS ANY MAXIMUM SOUND LEVEL WITH A DURATION OF 60 SECONDS BY 5 DBA, WHICHEVER IS LOUDER.

B. SOUND LEVELS FOR ALARM SIGNALS SHALL NOT EXCEED 120 DBA.

VISUAL ALARM SIGNAL APPLICANCES SHALL BE INTEGRATED INTO THE BUILDING OR FACILITY ALARM SYSTEM. F SINGLE STATION AUDIBLE ALARMS ARE PROVIDED THEN SINGLE STATION VISUAL ALARM SIGNALS SHALL BE

VISUAL ALARM APPLICANCES SHALL HAVE THE FOLLOWING FEATURES: 1. THE LAMP SHALL BE A XENON STROBE TYPE OR EQUILAVENT.

- 2. THE COLOR SHALL BE CLEAR OR NOMINAL WHITE (I.E. UNFILTERED OR CLEAR FILTERED WHITE LIGHT).
- 3. THE MAXIMUM PULSE DURATION SHALL BE TWO-TENTHS OF ONE SECOND WITH A MAXIMUM DUTY CYCLE OF 40%. (THE PULSE DURATION IS DEFINED AS THE TIME INTERVAL BETWEEN INITIAL AND FINAL POINTS
- 4. THE INTENSITY SHALL BE A MINIMUM OF 75 CANDELA.
- 5. THE FLASH RATE SHALL BE A MINIMUM OF 1 HZ AND A MAXIMUM OF 3 HZ.
- 6. THE APPLICANCE SHALL BE PLACED 80" ABOVE THE HIGHEST FLOOR LEVEL WITHIN THE SPACE OR 6" BELOW THE CEILING, WHICHEVER IS LOWER.
- 7. IN GENERAL, NO PLACE IN ANY ROOM OR SPACE SHALL BE MORE THAN 50' FROM THE SIGNAL (MEASURED IN A HORIZONTAL PLAN).
- 8. IN LARGE ROOMS AND SPACES EXCEEDING 110' ACROSS, WIHOUT ABSRUCTIONS 6' ABOVE THE FINISHED FLOOR, SUCH AS AUDITORIUMS, DEVICES MAY BE PLACE AROUND THE PERIMETER, SPACED A MAXIMUM 100' APART, IN LIEU OF SUSPENDING APPLIANCES FROM THE CEILING. 9. NO PLACE IN COMMON CORRIDORS OR HALLWAYS SHALL BE MORE THAN 50' FROM THE SIGNAL.

4.30 - SIGNAGE

SECTION 4.12(7), 4.13 (16)(a) - WHERE APPLICABLE

- SIGNS WHICH DESIGNATE PERMANENT ROOMS AND SPACES SHALL COMPLY WITH THE REQUIREMENTS LISTED BELOW:
- 1. RAISED AND BRAILLE CHARACTERS, AND PICTOGRAMS 2. FINISH AND CONTRAST
- SECTION 4.12(7), 4.13 (16)(b) WHERE APPLICABLE A. SIGNS WHICH PROVIDE DIRECTION TO, OR INFORMATION ABOUT, FUNCTIONAL SPACES OF THE BUILDING

3. MOUNTING LOCATION AND HEIGHT

1. CHARACTER PROPORTION

2. CHARACTER HEIGHT

3. FINISH AND CONTRAST EXCEPTION: BUILDING DIRECTORIES, MENUS, AND ALL OTHER SIGNS WHICH ARE TEMPORARY ARE NOT

REQUIRED TO COMPLY.

- SECTION 412(7) WHERE APPLICABLE ELEMENT AND SPACES OF ACCESSIBLE FACILITIES WHICH SHALL BE IDENTIFIED BY THE INTERNATIONAL
 - SYMBOL OF ACCESSIBILITY ARE: 1. PARKING SPACES DESIGNATED AS RESERVED FOR PERSONS WITH DISABILITIES.
- ACCESSIBLE PASSENGER LOADING ZONES. ACCESSIBLE ENTRANCES WHEN NOT ALL ARE ACCESSIBLE (INACCESSIBLE ENTRANCES SHALL HAVE

DIRECTIONAL SIGNAGE TO INDICATE ROUTE TO NEAREST ACCESSIBLE ENTRANCE). 4. ACCESSIBLE TOILET AND BATHING FACILITIES WHEN NOT ALL ARE ACCESSIBLE.

SECTION 4:30.2 - CHARACTER PROPORTION (REFERENCE DETAIL 16.2) A. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1, AND A STROKE-WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10.

SECTION 430.3 - OVERHEAD SIGNS

- CHARACTERS AND NUMBERS ON OVERHEAD SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ.
- 1. FOR SIGNS HIGHER THAN 80" ABOVE THE FINISHED FLOOR, CHARACTER SIZE SHALL BE 3" MINIMUM
- 2. THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE X.

3: LOWER CASE LETTERS ARE PERMITTED.

- SECTION 4.30.4 RAISED AND BRAILLE CHARCTERS AND PICTOGRAMS A. LETTER AND NUMERALS SHALL: BE RAISED 1/32", UPPER CASE, SANS SERIF AND SHALL BE ACCOMPANIED
- BY GRADE 2 BRAILLE. 1. RAISED CHARACTER HEIGHT: 5/8" MINIMUM, 2" HIGH MAXIMUM. 2. PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW
- 3. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MINIMUM.





DETAIL 16.1

LETTER & NUMBERS ON SIGNS SHALL HAVE A WIDTH TO HEIGHT RATIO OF BETWEEN 3:5 & 1:1 AND A STROKE — WIDTH TO HEIGHT RATIO BETWEEN 1:5 & 1:10. LETTERS AND NUMBERS SHALL BE RAISED 1/32", UPPER CASE, SANS SERIF OR SIMPLE SERIF TYPE AND SHALL BE ACCOMPANIED WITH GRADE 2 BRAILLE, RASIED CHARACTERS SHALL BE AT LEAST 5/8" HIGH, BUT NO HIGHER

DETAIL 16.2

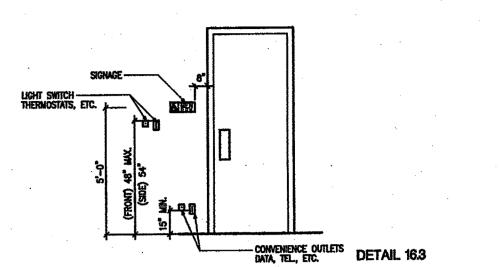
SECTION 430.5 - FINISH AND CONTRAST

THE CHARACTER AND BACKGROUND OF THE SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND (EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND).

4.30 - SIGNAGE, CONTINUED

SECTION 4.30.6 - MOUNTING LOCATION AND HEIGHT (REFERENCE DETAIL 16.3)

- A. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR.
- B. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE-LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL.
- C. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISHED FLOOR TO THE CENTERLINE OF THE SIGN. D. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.



4.31 - PUBLIC TELEPHONES

SECTION 4.1.3(17)(a) - WHERE APPLICABLE

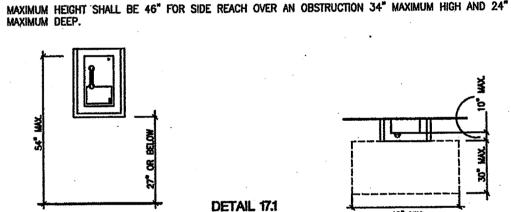
- A IF PUBLIC PAY TELEPHONES, PUBLIC CLOSED CIRCUIT TELEPHONES, OR OTHER PUBLIC TELEPHONES ARE
- PROVIDED, THEN THEY SHALL COMPLY WITH THIS SECTION IN THE QUANTITIES BELOW: 1. IF ONE OR MORE SINGLE UNITS OF A TYPE OF PUBLIC TELEPHONE IS PROVIDED ON A FLOOR, THEN AT
- LEAST ONE OF THOSE PHONES SHALL COMPLY WITH THIS SECTION. 2. IF ONE BANK (DEFINED AS TWO OR MORE ADJACENT PUBLIC TELEPHONES, OFTEN INSTALLED AS A UNIT)
 OF A TYPE OF TELEPHONE IS PROVIDED ON A FLOOR, THEN AT LEAST ONE OF THE TELEPHONES AT THE
- 3. IF TWO OR MORE BANKS OF A TYPE OF PUBLIC TELEPHONE ARE PROVIDED ON A FLOOR, THEN AT LEAST ONE TELEPHONE PER BANK SHALL COMPLY WITH THIS SECTION. THE ACCESSIBLE UNIT MAY BE INSTALLED AS A SINGLE UNIT IN PROXIMITY (EITHER VISIBLE OR WITH SIGNAGE) TO THE BANK. AT LEAST ONE PUBLIC TELEPHONE PER FLOOR SHALL MEET THE REQUIREMENTS FOR A FORWARD REACH
- 4. ADDITIONAL PUBLIC TELEPHONES MAY BE INSTALLED AT ANY HEIGHT. B. UNLESS OTHERWISE SPECIFIED, ACCESSIBLE TELEPHONES MAY BE EITHER FORWARD OR SIDE REACH TELEPHONES.

A. ALL TELEPHONES REQUIRED TO BE ACCESSIBLE SHALL BE EQUIPPED WITH A VOLUME CONTROL.

SECTION 4.13(17)(b) - WHERE APPLICABLE

EACH TELEPHONE EQUIPPED WITH A VOLUME CONTROL.

- B. IN ADDITION, 25% BUT NEVER LESS THAN ONE, OF ALL OTHER PUBLIC TELEPHONES PROVIDED SHALL BE EQUIPPED WITH A VOLUME CONTROL AND SHALL BE DISPERSED AMONG ALL TYPES OF TELEPHONES, INCLUDING CLOSED CIRUIT TELEPHONES, THROUGHOUT THE BUILDING OR FACILITY. SIGNAGE DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESS FOR HEADING LESS SHALL BE PROVIDED AT
- SECTION 4.313 MOUNTING HEIGHT (REFERENCE DETAIL 17.1) THE HIGHEST OPERABLE PART OF THE TELEPHONE SHALL BE 48" MAXIMUM ABOVE THE FLOOR WHERE A FORWARD REACH IS REQUIRED, AND 54" MAXIMUM WHERE A SIDE REACH IS REQUIRED.
- B. IF THE FORWARD REACH IS OVER AN OBSTRUCTION (WITH KNEE SPACE EQUAL TO OR GREATER THAN REACH DISTANCE) 20"-25" DEEP THE MAXIMUM HEIGHT SHALL BE 44"; IF THE OBSTRUCTION IS LESS THAN 20", MAXIMUM HEIGHT SHALL BE 48".



4.32 - SEATING AND TABLES

SECTION 4322 - SEATING A. IF SEATING SPACES FOR PEOPLE IN WHEELCHAIRS ARE PROVIDED AT FIXED TABLES OR COUNTERS, CLEAR FLOOR SPACE OF 30" X 48" SHALL BE PROVIDED. FLOOR SPACE SHALL NOT OVERLAP REQUIRED KNEE

SPACE BY MORE THAN 19"

- SECTION 4.32.3 KNEE SPACE B. IF SEATING SPACES FOR PEOPLE IN WHEELCHAIRS ARE PROVIDED AT FIXED TABLES OR COUNTERS, KNEE SPACE AT LEAST 27" HIGH, 30" WIDE AND 19" DEEP SHALL BE PROVIDED.
- SECTION 4324 HEIGHT OF TABLES OR COUNTER

B. THE TOPS OF ACCESSIBLE TABLES AND COUNTERS SHALL BE 28" MINIMUM, AND 34" MAXIMUM, ABOVE THE

4.33 - AUTOMATIC TELLER MACHINES

SECTION 4.34.3 - REACH RANGES

SECTION 4342 - CLEAR FLOOR SPACE A. FLOOR SPACE SHALL COMPLY WITH 4.2.4 TO ALLOW A FORWARD, PARALLEL APPROACH OR BOTH.

A. FORWARD APPROACH ONLY: CONTROLS WITHIN FORWARD APPROACH SPECIFIED IN 4.2.5.

PROTUSION OF TELLER MACHINE SURROUND PER TABLE AS FOLLOWS:

| REACH DEPTH | MAX. HEIGHT | REACH DEPTH | MAX. HEIGHT | REACH DEPTH | MAX. HEIGHT |
|-------------|-------------|-------------|--|-------------|-------------|
| IN INCHES | IN INCHES | IN INCHES | IN INCHES | IN INCHES | IN INCHES |
| 10 OR LESS | 54 | 15 | 51 | 20 | 48 -1/2 |
| 11 | 53 -1/2 | 16 | 50 -1/2 | 21 | 47 -1/2 |
| 12 | 53 | 17 | 50 | 22 | 47 |
| 13 | 52 -1/2 | 18 | 49 -1/2 | 23 | 46 -1/2 |
| | | 1 | | 1 | 1 |

51 -1/2 NOTE: DOES NOT APPLY TO DRIVE-UP MACHINES

4.35 - DRESSING AND FITTING ROOMS SECTION 4.35.4 - BENCH

A. EVERY ACCESSIBLE DRESSING ROOM SHALL HAVE A 24" X 48" BENCH FIXED TO THE WALL ALONG THE LARGER DIMENSION. THE BENCH SHALL BE MOUNTED 17" TO 19" ABOVE THE FINISHED FLOOR.

SECTION 4.35.5 - MIRROR

A. A FULL-LENGTH MIRROR, MEASURING AT LEAST 18" WIDE BY 54" HIGH, SHALL BE MOUNTED IN A POSITION AFFORDING A VIEW TO A PERSON ON THE BENCH AS WELL AS TO A PERSON IN A STANDING POSITION.

FEBRUARY 9, 2009

PARALLEL APPROACH: CONTROLS WITHIN UNOBSTRUCTION REACH RANGE FROM CLEAR FLOOR SPACE AT

architects

merriman

associates

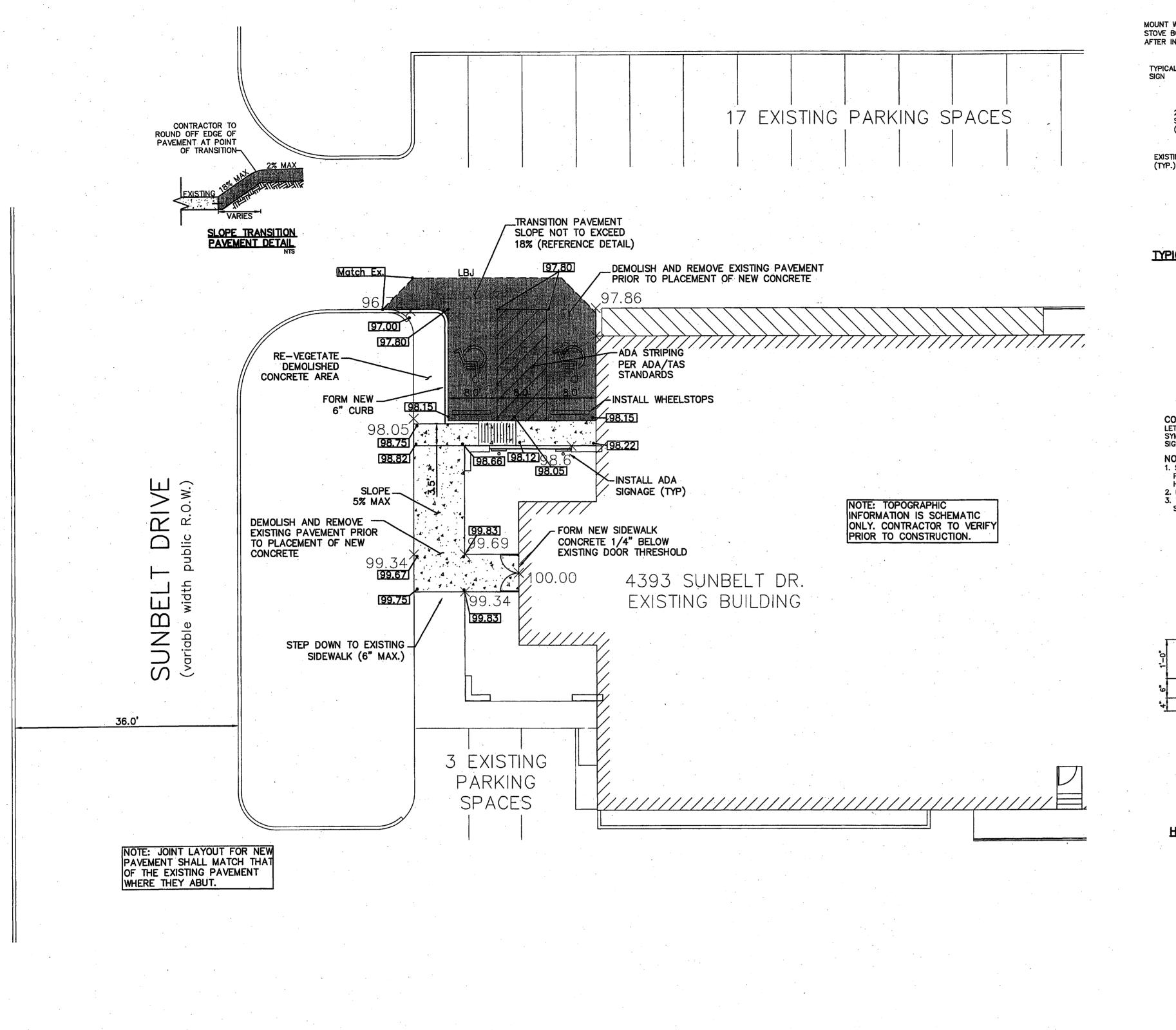
architecture · planning

300 N. FIELD ST.

214.987.1299

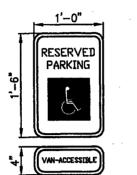
214.987.2138 (FAX)

4.23 - BATHROOMS, BATHING FACILITIES, AND SHOWER ROOMS



MOUNT W/ CORROSION RESISTANT STOVE BOLT (DEFORM THREADS AFTER INSTALLATION) -TYPICAL ALUMINUM STEEL POST EXISTING GRADE -3000 PSI CONCRETE

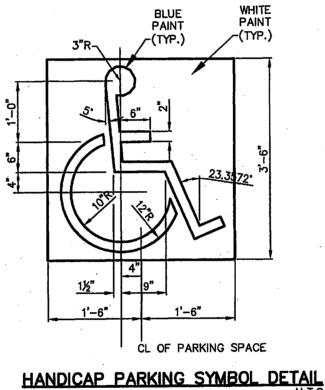
TYPICAL SIGNAGE MOUNTING DETAIL



LETTERS AND BORDER- GREEN SYMBOL ON BLUE BACKGROUND SIGN BACKGROUND-WHITE

1. SPACING BETWEEN LETTERS, COLORS, AND PROCESSES SHALL CONFORM STANDARD HIGHWAY AND SIGN DESIGNS FOR TEXAS. 2. INSTALL WHERE INDICATED ON PLANS. 3. VAN-ACCESSIBLE SIGNAGE ON VAN

SPACES ONLY. TYPICAL SIGNAGE DETAIL TYPE II



LEGEND

- EXISTING CURB

- PROPOSED CURB

- FULL DEPTH SAWCUT

SUBGRADE



5" 3500 PSI REINFORCED - CONCRETE ON COMPACTED

LONGITUDINAL BUTT JOINT



4" 3000 PSI REINFORCED CONCRETE PER TOWN OF ADDISON STANDARD DETAILS



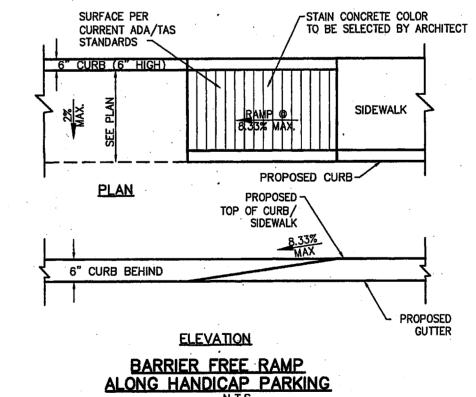
PROPOSED ELEVATION (APPROXIMATE)

APPROXIMATE EXISTING ELEVATION

1. ALL MATERIALS AND CONSTRUCTION WITHIN STREET RIGHT-OR-WAY SHALL CONFORM TO THE CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.

GRAPHIC SCALE

- 2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, CLEANOUTS, VALVE BOXES, FIRE HYDRANTS, ETC. MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO AND AFTER THE PLACING OF PERMANENT PAVING. UTILITIES MUST BE MAINTAINED TO PROPER LINE AND GRADE DURING CONSTRUCTION OF THIS PROJECT.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL APPROPRIATE UTILITY COMPANIES FOR THE LOCATION OF ALL UTILITIES WITHIN THE CONSTRUCTION AREA.
- 4. THE PAVING CONTRACTOR SHALL NOT PLACE PERMANENT PAVEMENT UNTIL ALL SLEEVING FOR IRRIGATION, ELECTRIC GAS, TELEPHONE, CABLE TV, SITE IRRIGATION, ETC. HAS BEEN INSTALLED. IT SHALL BE THE PAVING CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL SLEEVING IS IN PLACE PRIOR TO PLACING OF PERMANENT PAVING.
- 5. ALL PAVING AND EARTHWORK OPERATIONS SHALL CONFORM TO THE RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION REPORT.
- 6. FIRE LANES SHALL BE STRIPED IN ACCORDANCE WITH THE CITY REQUIREMENTS.
- 7. ALL DIMENSIONS ARE FROM BACK OF CURB, EDGE OF PAVEMENT, OR FACE OF BUILDING UNLESS OTHER WISE NOTED.
- 8. ALL SIDEWALKS SHALL MAINTAIN A 2% MAXIMUM CROSS SLOPE AND 5% MAXIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- 9. SLOPE WITHIN THE HANDICAP PARKING AREA SHALL NOT EXCEED 2% IN ANY DIRECTION.
- 10. ALL CURB RADII ARE 1.5' UNLESS OTHERWISE SPECIFIED (EXCEPT FOR AT END OF PARKING SPACES AND FLUMES WHERE THE RADII IS O').



 ON SITE BARRIER FREE RAMPS TO BE COLORED TO CONTRAST WITH THE ADJACENT SIDEWALKS. COLOR TO BE CHOSEN BY ARCHITECT/OWNER. 2. ON SITE BFR'S TO HAVE A SURFACE THAT

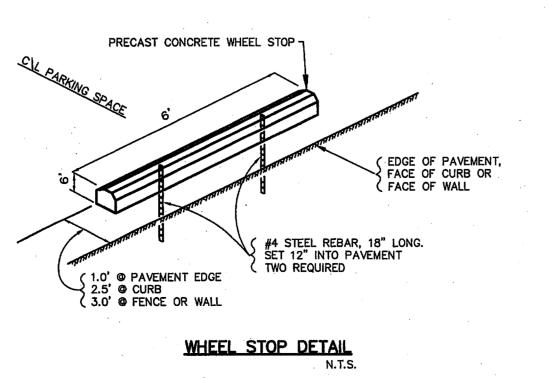
COMPLIES WITH CURRENT ADA/TAS STANDARDS.

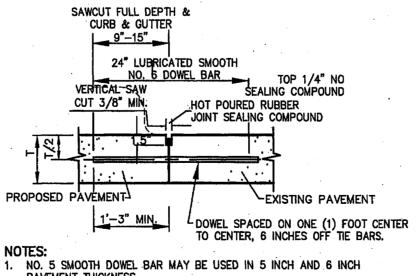
3. CROSS SLOPES ON ALL BARRIER FREE RAMPS

SHALL NOT EXCEED 2.0%.
4. GROOVES ON RAMP SHALL BE HAND TOOLED,

_h////////// CAUTIONIII
CALL: TEXAS ONE CALL 1-800-245-4545 48 HRS PRIOR TO CONSTRUCTION. !!! CAUTION !!!
UNDERGROUND UTILITIES

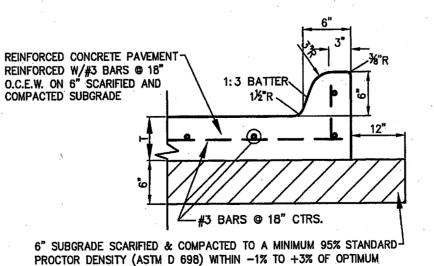
EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION SUPPLIED PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION SUPPLIED BY VARIOUS OWNERS OF THE FACILITIES, THE OWNER, THE ARCHITECT, AND/OR OTHER CONSULTANTS. THE ENGINEER DOES NOT ACCEPT THE RESPONSIBILITY FOR THE UTILITY LOCATIONS SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION, TO TAKE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED, AND TO NOTIFY THE ENGINEER PROMPTLY OF ALL CONFLICTS OF THE WORK WITH EXISTING FACILITIES. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE BY THE CONTRACTOR TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS





PAVEMENT THICKNESS. 2. LONGITUDINAL BUT CONSTRUCTION MAY BE UTILIZED IN PLACE OF LONGITUDINAL BUT CONSTRUCTION MAY BE UTILIZED IN PLACE OF LONGITUDINAL HINGED (KEYWAY) JOINT AT CONTRACTORS OPTION.
 DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG.
 DRILLED BY HAND IS NOT ACCEPTABLE, PUSHING DOWEL BARS INTO GREEN CONCRETE NOT ACCEPTABLE.
 DOWELS AND REINFORCING BARS SHALL BE SUPPORTED BY AN APPROVED DEVICE.

LONGITUDINAL BUTT JOINT



PROCTOR DENSITY (ASTM D 698) WITHIN -1% TO +3% OF OPTIMUM

T=THICKNESS OF PAVEMENT

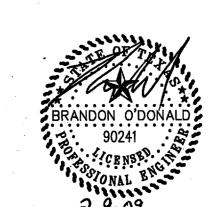
CONCRETE PAVEMENT SECTION

All responsibility for the adequacy of these plans remains with the Engineer who prepared them. In approving these plans, the Town of Addison makes no representation of adequacy of the work of the Design Engineer.

APPROVED FOR CONSTRUCTION Town of Addison Public Works Department

APPROVED BY:

APPROVED BY: DATE: 2-23-2009



PAVEMENT REPLACEMENT PLAN

JANI KING CALL CENTER

ADA IMPROVEMENT

TOWN OF ADDISON

DALLAS COUNTY, TEXAS



1601 E. Lamar Blvd, Suite 210 Arlington, Texas 76011 Phone 817.794.0202

1"=10' JOB NO OD08076 SHEET

02/09/09

SCALE

OR HER EXPENSE.

817.548.8430 Fax

CAUTIONIII CALL: TEXAS ONE CALL 4 1-800-245-4545 48 HRS PRIOR TO CONSTRUCTION.

III CAUTION !!!
UNDERGROUND UTILITIES EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION SUPPLIED BY VARIOUS OWNERS OF THE FACILITIES, THE OWNER, THE ARCHITECT, AND/OR OTHER CONSULTANTS. THE ENGINEER DOES NOT ACCEPT THE RESPONSIBILITY FOR THE UTILITY LOCATIONS SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION, TO TAKE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED, AND TO NOTIFY THE ENGINEER PROMPTLY OF ALL CONFLICTS OF THE WORK WITH EXISTING FACILITIES. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE BY THE CONTRACTOR TO

EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS

OR HER EXPENSE.

LEGEND

- EXISTING CURB

- PROPOSED CURB

- PROPOSED WATER LINE

- EXISTING SANITARY SEWER

- EXISTING WATER LINE



PROPOSED CONCRETE REPLACEMENT

RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.



GENERAL NOTES

1. THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES ON THESE PLANS WERE OBTAINED FROM AVAILABLE RECORDS AND ARE APPROXIMATE. THE CONTRACTOR, PRIOR TO CONSTRUCTION, MUST

RESPONSIBILITY FOR CONTACTING ALL FRANCHISE AND CITY UTILITIES. THE CITY DOES NOT ASSUME

DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL PUBLIC UTILITIES AND SHALL BE

2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, CLEANOUTS, VALVE BOXES, FIRE HYDRANTS, ETC. MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO AND AFTER THE PLACING OF FINAL GRADE AND/OR PAVEMENT. ANY REMOVAL OR DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT HIS EXPENSE AND SHALL BE APPROVED BY THE CITY. SAID EXISTING IMPROVEMENTS INCLUDE BERMS, DITCHES, FENCES, VEGETABLE, ETC.

3. DURING THE CONSTRUCTION OF THIS PROJECT, ANY INTERPRETATION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, AND ANY MATTER WHICH REQUIRES THE APPROVAL OF THE OWNER, MUST BE APPROVED BY THE CITY BEFORE ANY CONSTRUCTION INVOLVING THAT DECISION COMMENCES. ASSUMPTIONS ABOUT WHAT THESE DECISIONS MIGHT BE, WHICH ARE MADE DURING THE BIDDING PHASE, WILL HAVE NO BEARING ON THE DECISION

4. ANY TEST THAT FAILS TO MEET CITY REQUIREMENTS SHALL BE RE-TESTED AT THE CONTRACTOR'S EXPENSE. THE CITY WILL ONLY ACCEPT SIGNED ORIGINAL COPIES OF ALL TESTING REPORTS FOR REVIEW.

5. ALL MATERIALS, CONSTRUCTION, TESTING AND WORKMANSHIP SHALL CONFORM TO THE CITY'S STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, LATEST EDITION, EXCEPT AS NOTED HEREIN AND APPROVED BY THE CITY.

6. MINIMUM COVER SHALL COMPLY WITH CITY'S DESIGN MANUAL. ALL WATER MAINS 12" AND SMALLER SHALL BE PVC A.W.W.A. C900, DR-14, CLASS 200 WATER PIPE.

7. ALL TAPPING SLEEVES, VALVES AND VALVE BOXES, FITTINGS AND THRUST BLOCKING SHALL BE PER THE CITY'S DESIGN AND SPECIFICATIONS.

8. CONCRETE BLOCKING SHALL BE PROVIDED ON WATER MAINS AT ALL TEES, WYES, BENDS, CROSSES AND FIRE HYDRANTS PER THE CITY STANDARDS. ALL CONCRETE FOR BLOCKING SHALL BE MINIMUM 2000 PSI CONCRETE. POLYETHYLENE WRAP SHALL BE INSTALLED AROUND ALL DUCTILE IRON FITTINGS AND VALVES. THE WRAP SHALL HAVE AN 8 MIL. THICKNESS AND BE WRAPPED AND HELD IN PLACE BY 2" WIDE PLASTIC BACKED ADHESIVE TAPE (POLYKEN 900, SCOTCHRAP NO. 50 OR CITY APPROVED EQUAL). THE WRAP SHALL BE INSTALLED WITHOUT BREAKS, TEARS OR HOLES IN

9. WATER LINES CROSSING UNDER STORM SEWER AND SANITARY SEWER LINES SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 24" OR AS GOVERNED BY TNEOC CHAPTER 290 REQUIREMENTS. PARALLEL WATER LINES SHALL BE AT LEAST 9' CLEAR HORIZONTALLY TO SANITARY SEWER LINES AND MANHOLES. WHERE MINIMUM CLEARANCE CANNOT BE ACHIEVED, WATER LINES SHALL BE ENCASED BY A MINIMUM 6" 3000 PSI CONCRETE TO 10' EITHER SIDE OF UTILITY CROSSING. WHERE WATER LINES CROSS CREEKS OR DITCHES, THE WATER LINE SHALL BE PROTECTED BY CONCRETE ENCASEMENT AT LEAST 10' PAST THE EMBANKMENT SLOPE ON EACH SIDE.

10. ANY PLUMBING INSTALLED OUTSIDE OF R.O.W. OR AN EASEMENT SHALL BE INSTALLED BY A LICENSED PLUMBER AND INSPECTED BY BUILDING INSPECTIONS.

11. ALL WATER LINES SHALL BE STERILIZED AND PRESSURE TESTED TO 200 PSI FOR A 3-HOUR CONTINUOUS PERIOD. ALL TESTING AND STERILIZATION SHALL MEET OR EXCEED NCTCOG SPECIFICATIONS.

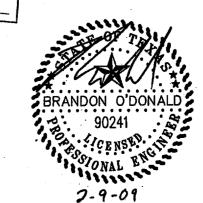
12. CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCING ANY REQUIRED TRENCH SAFETY PLAN OR TRAFFIC CONTROL PLAN.

13. FIRE SPRINKLER LINE SHALL BE SIZED AND INSTALLED BY A STATE LICENSED FIRE SPRINKLER CONTRACTOR.

APPROVED FOR CONSTRUCTION Public Works Department

APPROVED BY: CAN TAPPET Town of Addison DATE: 2-23-2009

All responsibility for the adequacy of these plans remains with the Engineer who prepared them. In approving these plans, the Town of Addison makes no representation of adequacy of the work of the Design Engineer.



WATER PLAN

JANI KING CALL CENTER

ADA IMPROVEMENT

TOWN OF ADDISON

DALLAS COUNTY, TEXAS



1601 E. Lamar Blvd, Suite 210 Arlington, Texas 76011 Phone 817.794.0202 817.548.8430 Fax

SHEET 2of3

DATE

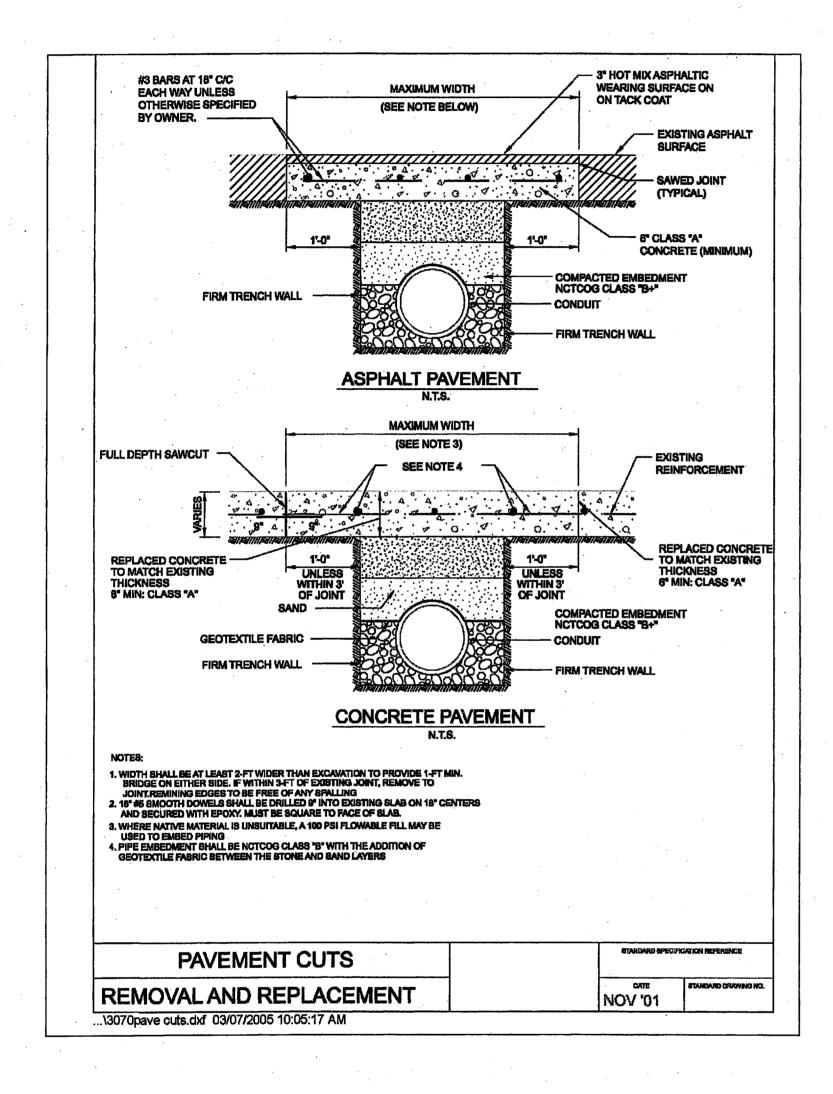
02/09/09

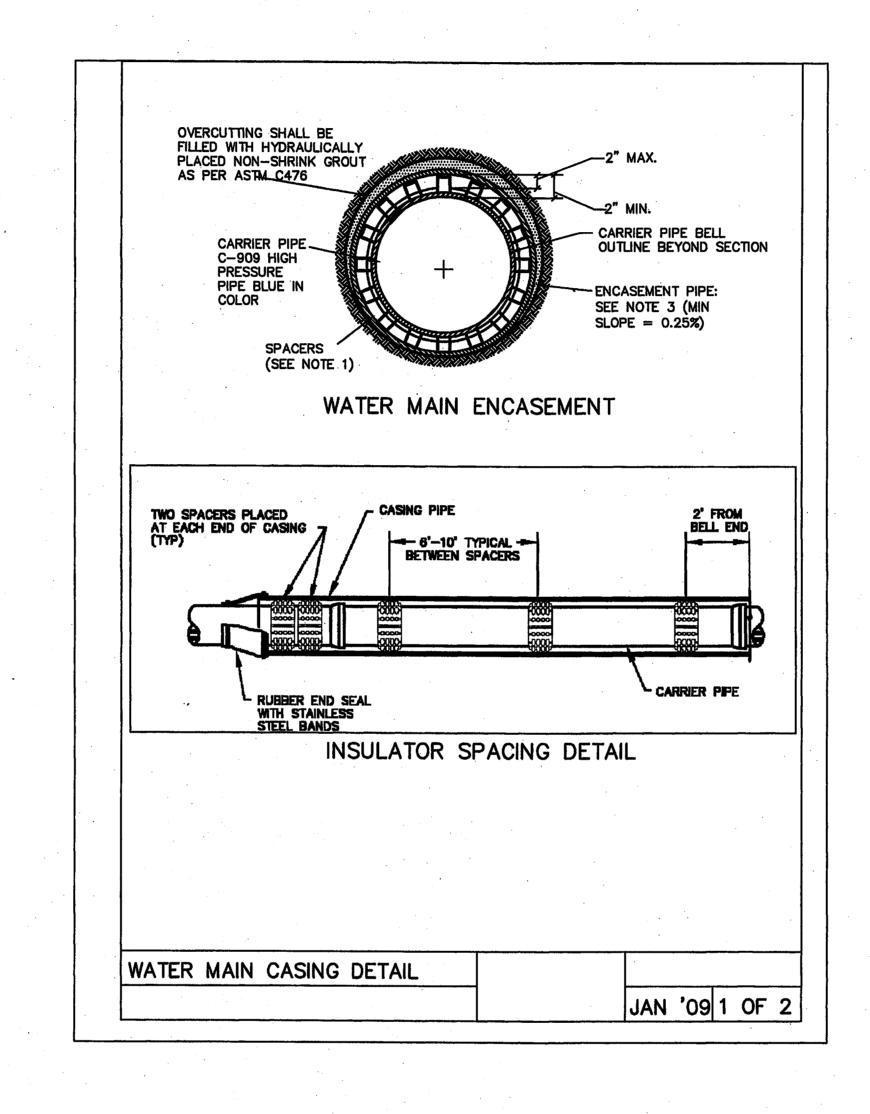
SCALE

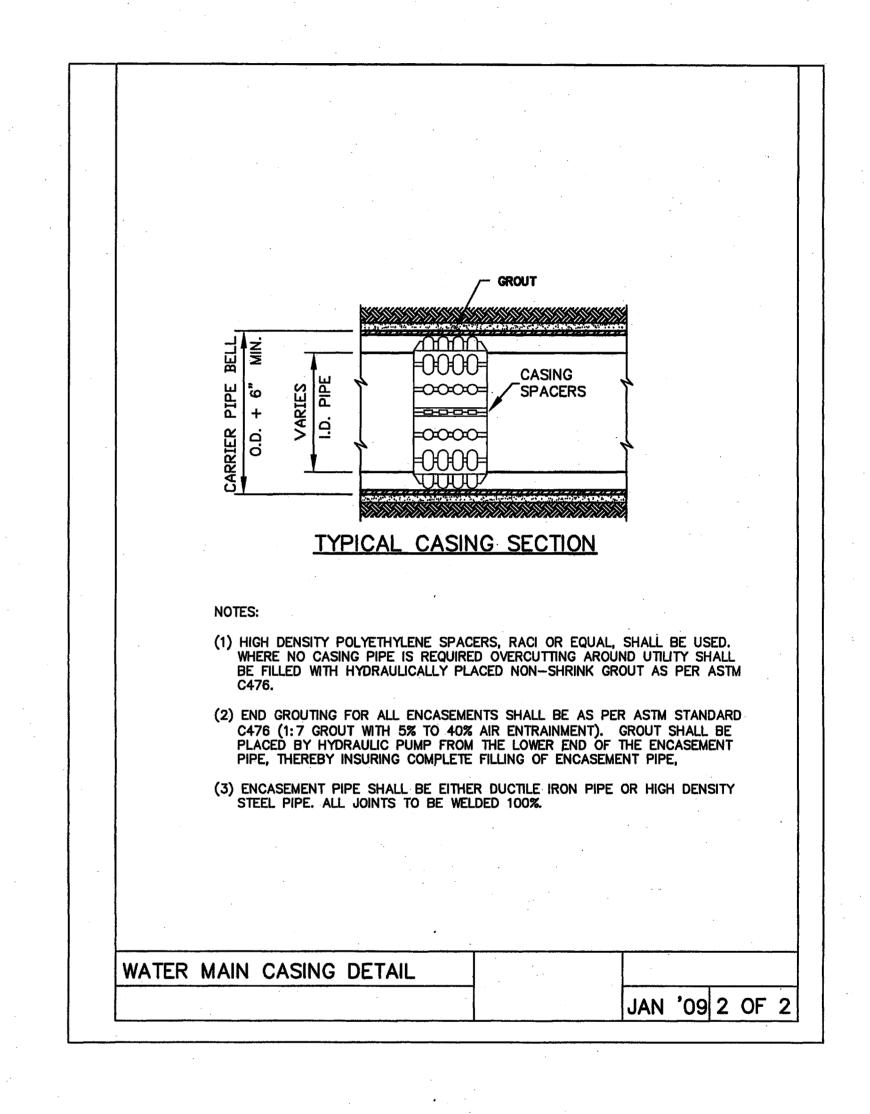
1"=10'

JOB NO

OD08076







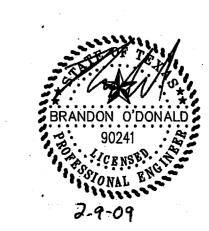
All responsibility for the adequacy of these plans remains with the Engineer who prepared them. In approving these plans, the Town of Addison makes no representation of adequacy of the work of the Design Engineer.

APPROVED FOR CONSTRUCTION

Town of Addison Public Works Department

APPROVED BY: CAY DALUETT

DATE: 2-23-2009



DETAILS SHEET JANI KING CALL CENTER ADA IMPROVEMENT TOWN OF ADDISON DALLAS COUNTY, TEXAS



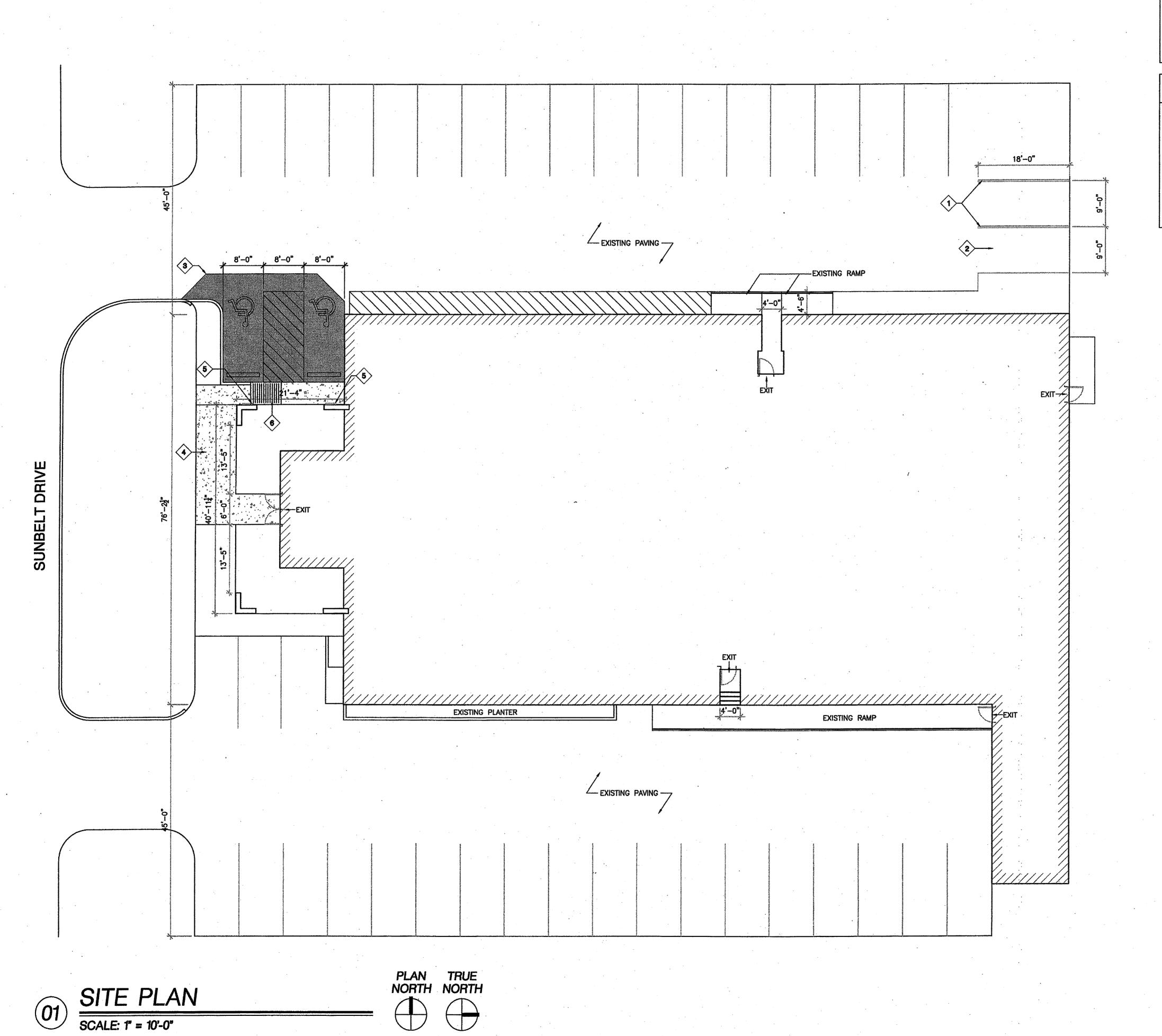
1601 E. Lamar Blvd, Suite 210 Arlington, Texas 76011 Phone 817.794.0202 Fax 817.548.8430

OD08076
SHEET
30f3

02/09/09

SCALE

JOB NO



ROOFING GENERAL NOTES:

- 1. SECURE ALL COPING CAP USING ADDITIONAL FASTENERS. PROVIDE URETHANE SEALANT AT ALL COPING CAP JOINTS.
- 2. PROVIDE WOOD BLOCKING FOR ALL GAS LINES.
- 3. REMOVE ALL DEBRIS ON ROOF.
- 4. PROVIDE SEALANT AT ALL PITCH PANS.
- 5. PROVIDE EMULSION COATING AT ALL BARE SPOTS AND REDISTRIBUTE GRAVEL.
- 6. SWEEP GRAVEL BACK FROM ALL ROOF CURBS AND PERIMETER WALL AREAS. PROVIDE 1 APPLICATION OF ER SYSTEMS ERTHANE ULTRA COATING.

SITE PLAN KEY NOTES:

- NEW 4" PAVEMENT STRIPING.
- PAINT OVER EXISTING PARKING LOT STRIPING.
- NEW CONC. PAVING. REF. CIVIL.
- NEW CONC. SIDEWALK. REF CIVIL.
- NEW H.C. PARKING SIGN. MOUNT TO WALL. PROVIDE "VAN ACCESSIBLE" DESIGNATION AT NORTH-MOST H.C. SPACE.
- NEW CURB RAMP. REF. CIVIL. 1:12 MAX SLOPE. CONC. TO HAVE INTEGRAL CONTRASTING COLOR.



merriman

associates

300 N. FIELD ST. DALLAS, TEXAS 75202

214.987.2138 (FAX)

IANI KING CALL CENTER 4393 SUNBELT DRIVE

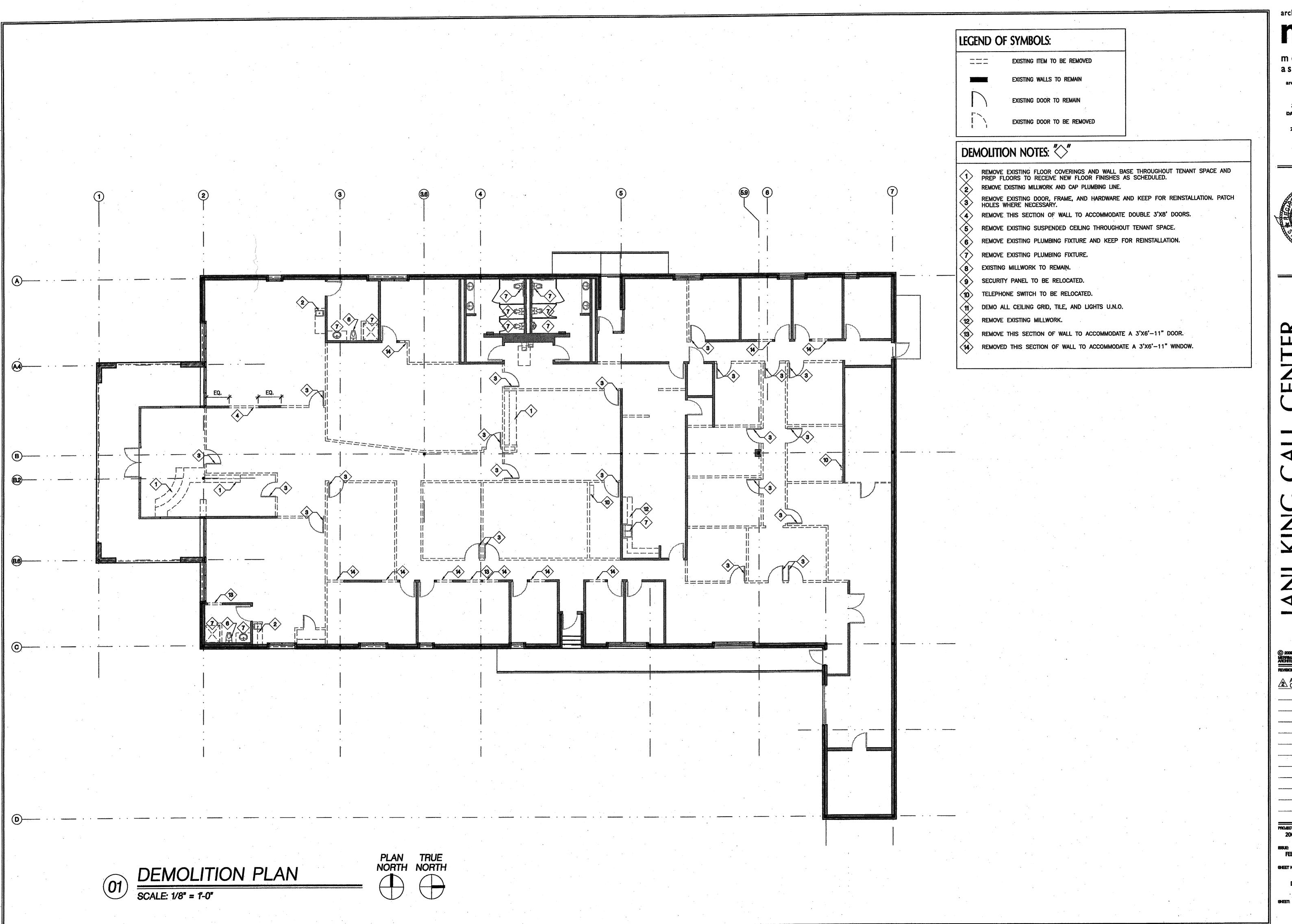
| © 2009 MERRIMAN ASSOCIATES/ ARCHITECTS, INC. |
|--|
| REVISIONS |

PROJECT NUMBER

issue. February 9,

SITE PLAN

A1.00



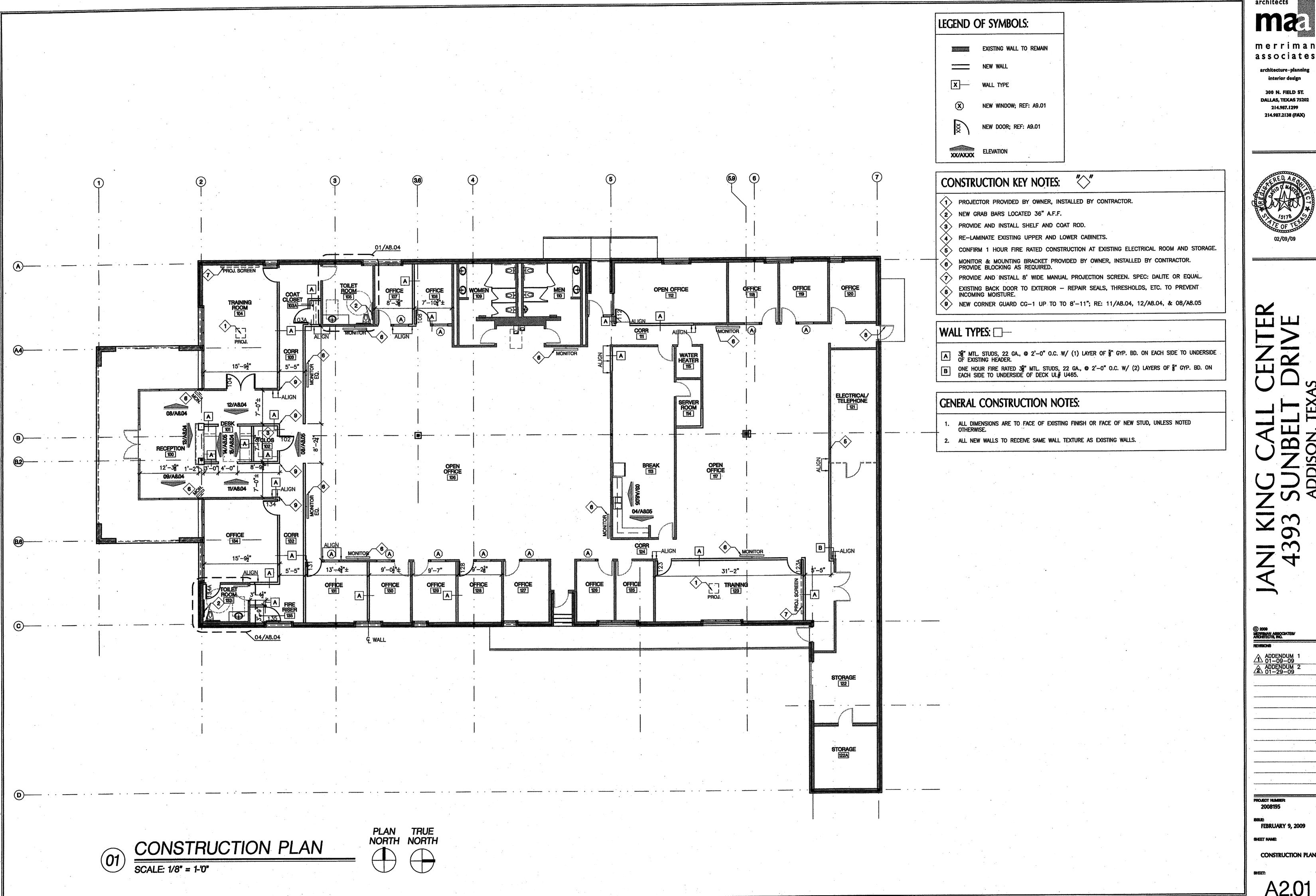
merriman associates

architecture · planning

300 N. FIELD ST. DALLAS, TEXAS 75202 214.987.1299 214.987.2138 (FAX)



A2.00



architects

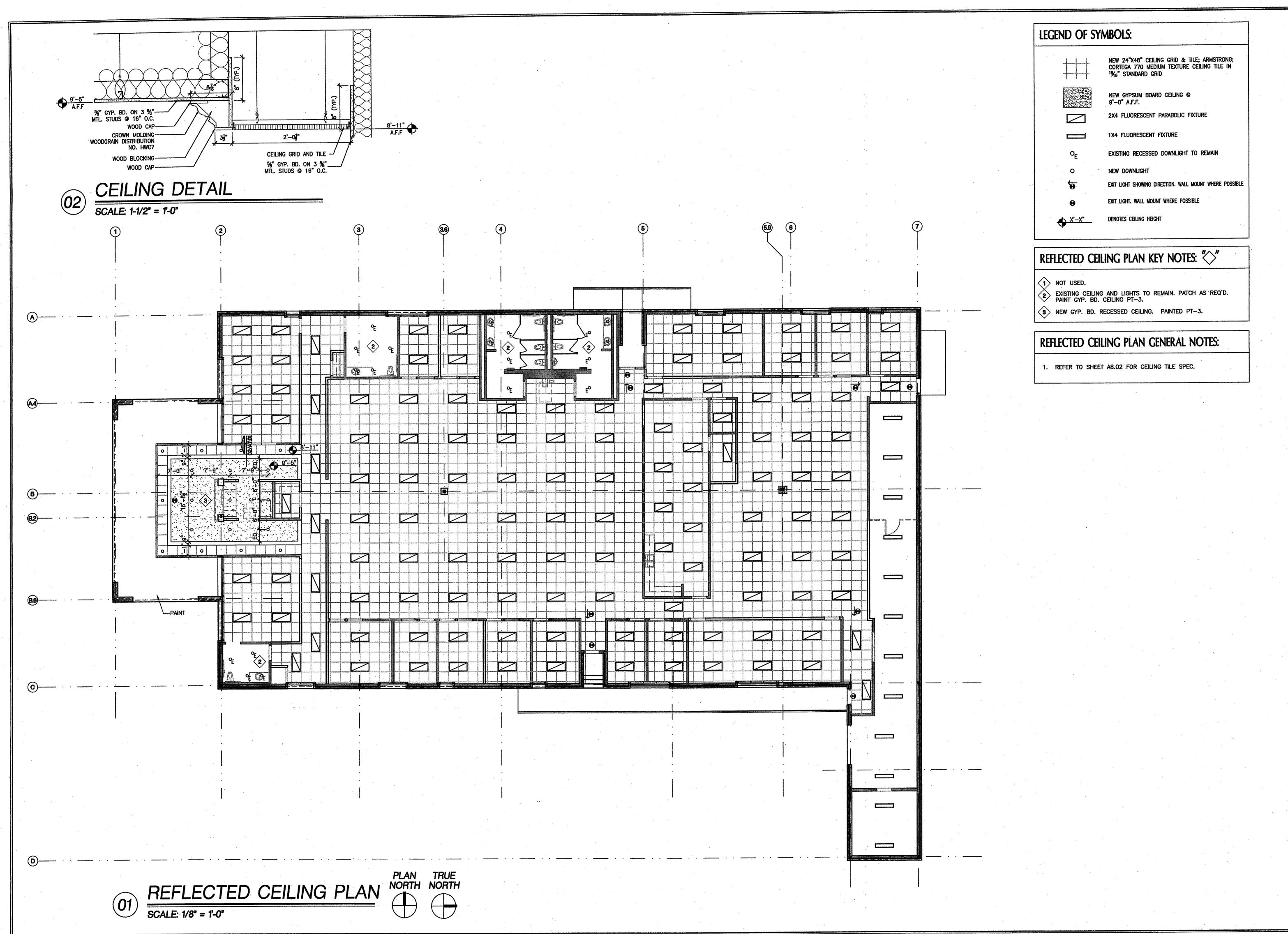
merriman associates

architecture · planning

300 N. FIELD ST. DALLAS, TEXAS 75207 214.987.1299 214.987.2138 (FAX)



A2.01





architecture · planning interior design

300 N. FIELD ST. DALLAS, TEXAS 75202 214.987.1299 214.987.2138 (FAX)



ANI KING CALL CENTER 4393 SUNBELT DRIVE

© 2009
MERRIMAN ASSOCIATES/
ARCHITECTS, INC.

REVISIONS

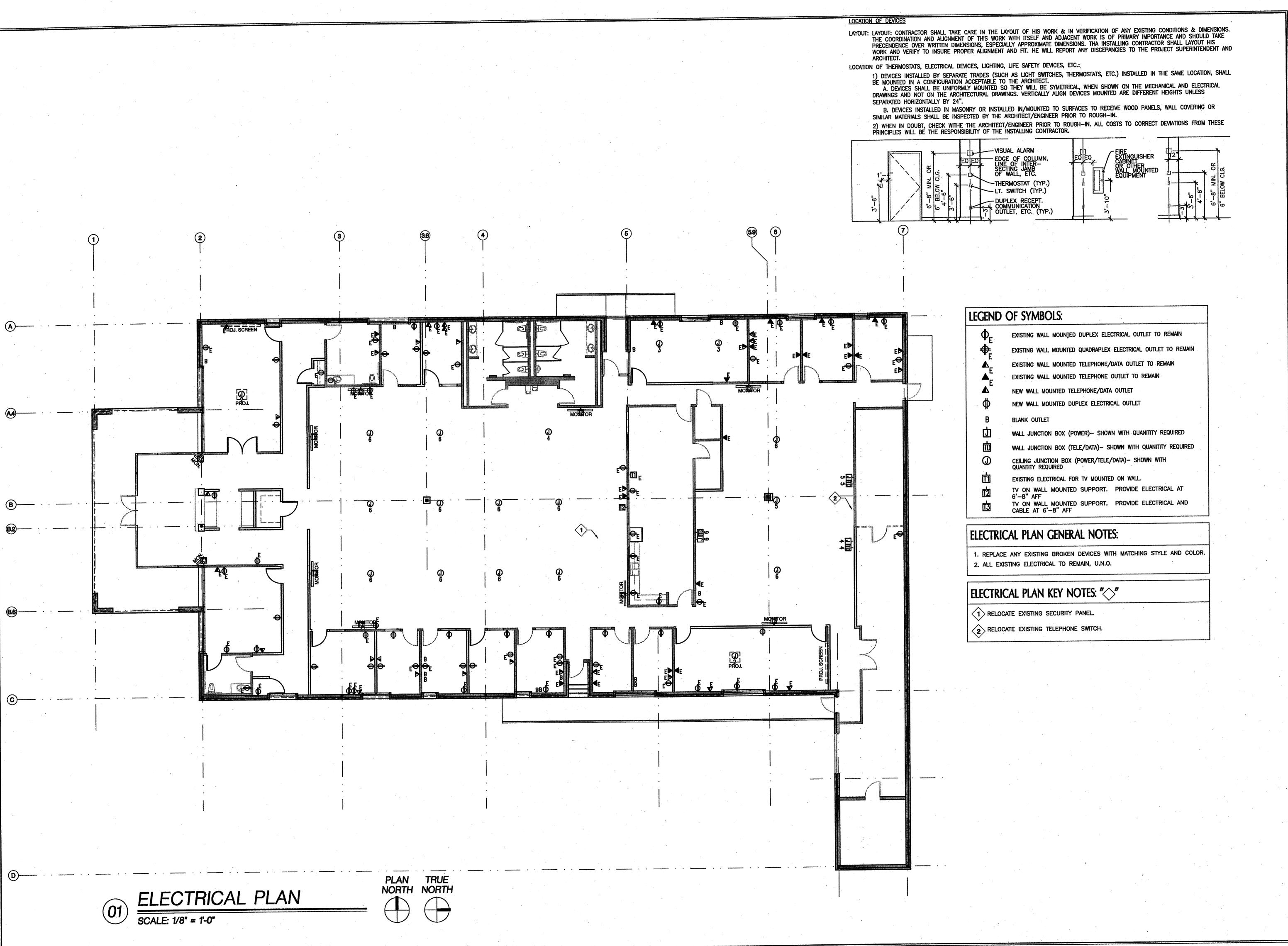
ADDENDUM 1
01-09-09
ADDENDUM 2
01-29-09

. .

FEBRUARY 9, 2

REFLECTED CEILII PLAN

A7.01



architects

Ma

merriman associates

architecture · planning interior design

300 N. FIELD ST.
DALLAS, TEXAS 75202
214.987.1299
214.987.2138 (FAX)



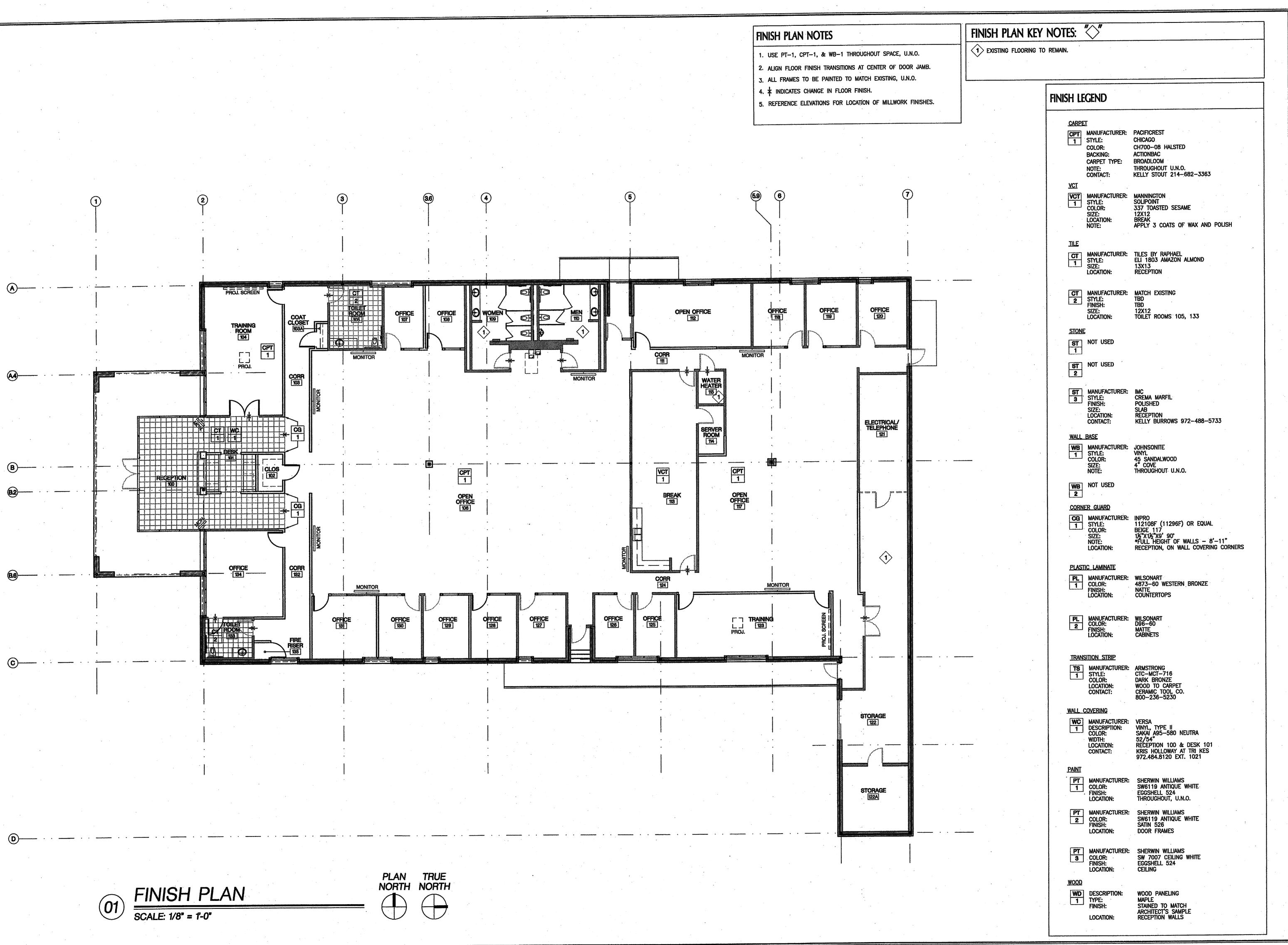
IANI KING CALL CENTER 4393 SUNBELT DRIVE

© 2009 MERRIMAN ASSOCIA ARCHITECTS, INC. REVISIONS

PROJECT NUMBER

FEBRUARY 9, 2009

ELECTRICAL PLAN





merriman associates

interior design

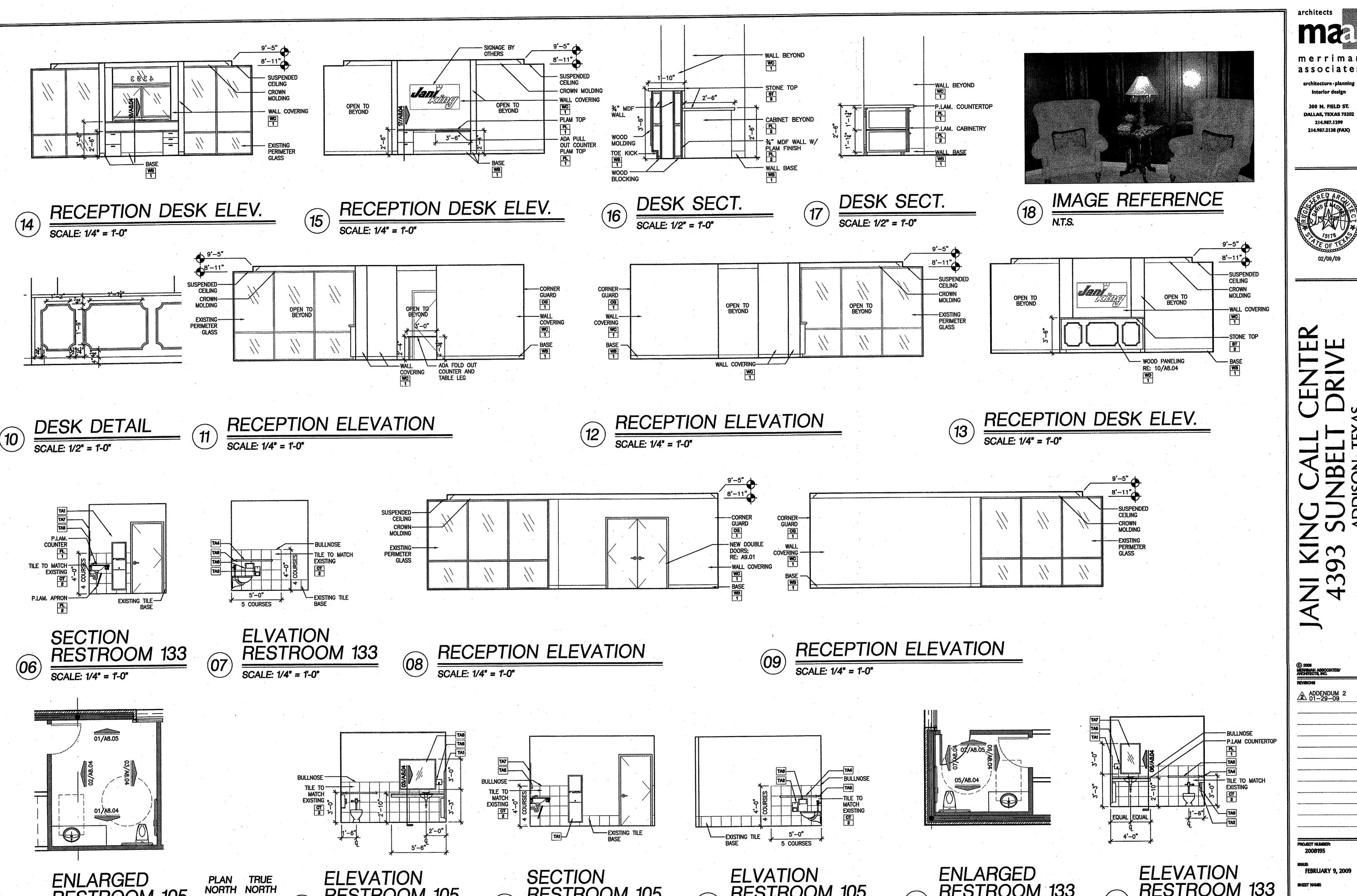
300 N. FIELD ST. DALLAS, TEXAS 75202 214.987.2138 (FAX)



ADDENDUM 2 01-29-09

FEBRUARY 9, 2009

FINISH PLAN



RESTROOM 105

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

03

RESTROOM 105

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

(02)

RESTROOM 105

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

ADDENDUM 2 01-29-09

RESTROOM 133

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

05

RESTROOM 133

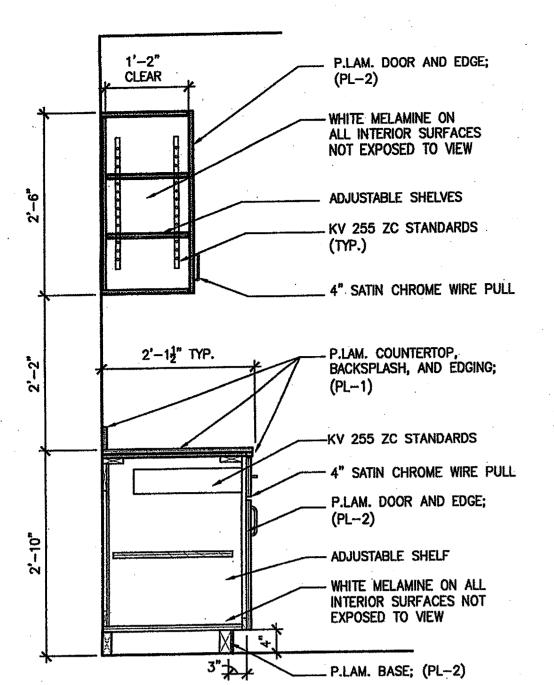
SCALE: 1/4" = 1'-0"

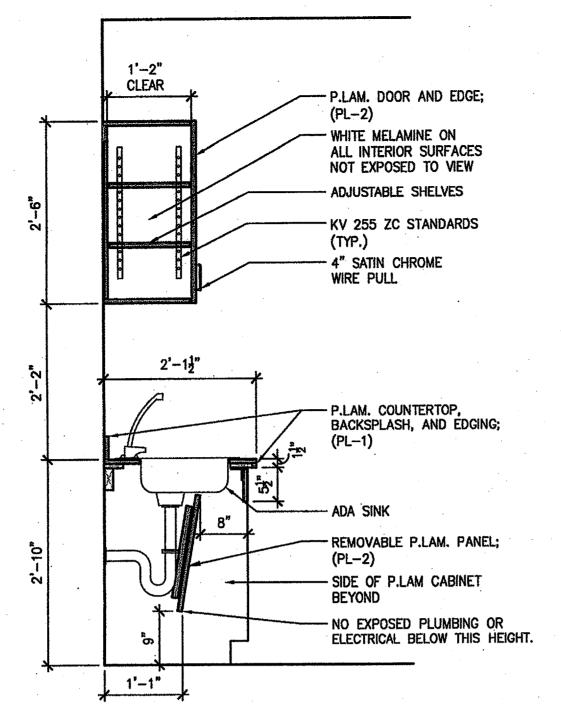
04

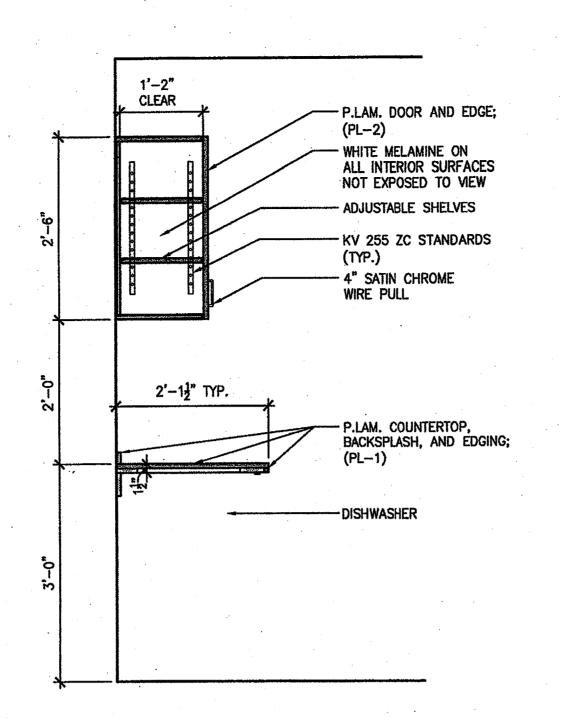
RESTROOM 105

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

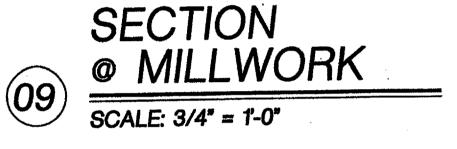
ENLARGED PLANS, ELEVATIONS, & SECTIONS

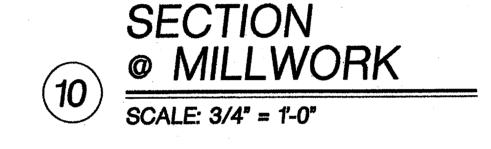


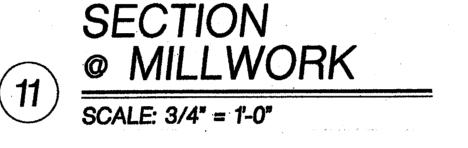




TOILET ACCESSORY LEGEND SEMI-RECESSED PAPER TOWEL DISPENSER & WASTE RECEPTACLE; BOBRICK B-3942; 12 GAL. SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER BOBRICK B-4288 SERIES 36" GRAB BAR BOBRICK B-6806 SERIES 42" GRAB BAR BOBRICK B-6806 SERIES WALL MOUNTED SOAP DISPENSER BOBRICK — B-8221 SERIES SURFACE MOUNTED SANITARY NAPKIN DISPOSAL (WOMEN'S) BOBRICK — B-270 TA7 24" X 36" FRAMED MIRROR BOBRICK - B-165 2436 TA8 48" X 36" FRAMED MIRROR BOBRICK - B-165 4836 *SEE P2.01 AND P3.01 FOR PLUMBING FIXTURES

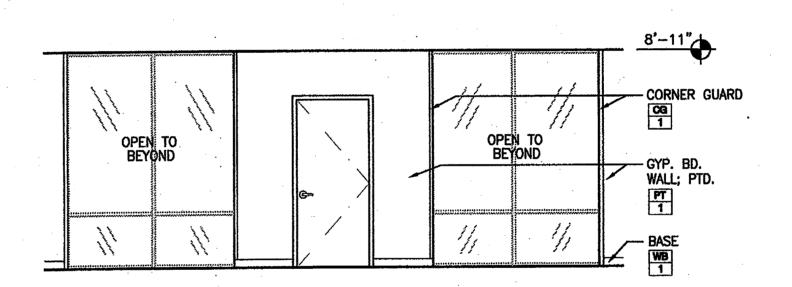






NOT USED

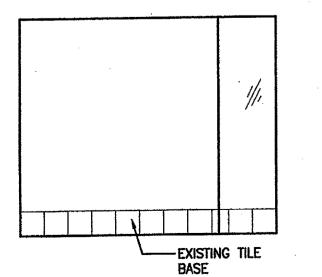


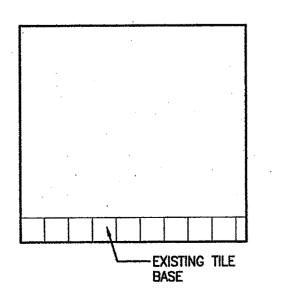


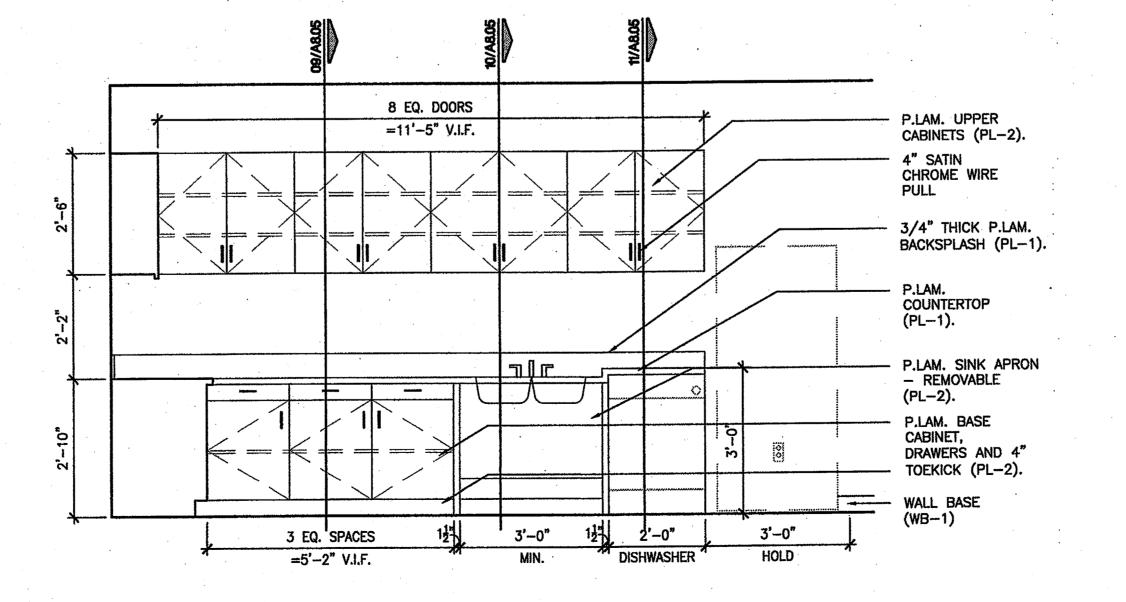
RECEPTION ELEV.

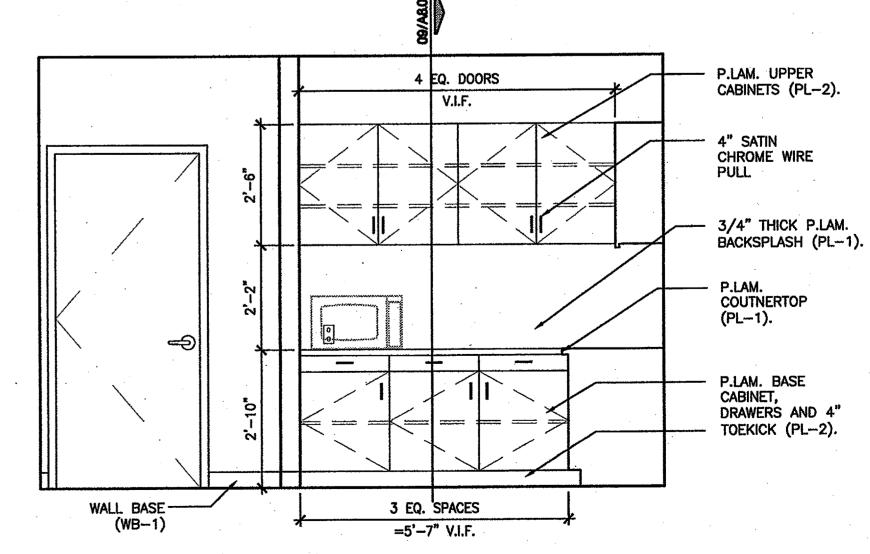
SCALE: 1/4" = 1'-0"

NOT USED NOT USED









ELEVATION RESTROOM 105 SCALE: 1/4" = 1'-0"

ELEVATION RESTROOM 133 SCALE: 1/4" = 1'-0"



BREAK ROOM ELEVATION SCALE: 1/2" = 1'-0"

ma

merriman

associates

architecture · planning

interior design

300 N. FIELD ST.

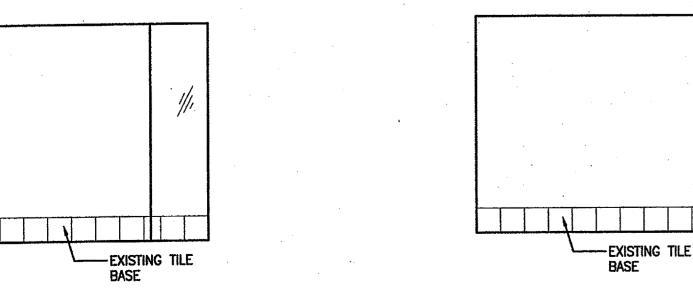
DALLAS, TEXAS 75202

214.987.1299

214.987.2138 (FAX)

2 ADDENDUM 2 01-29-09

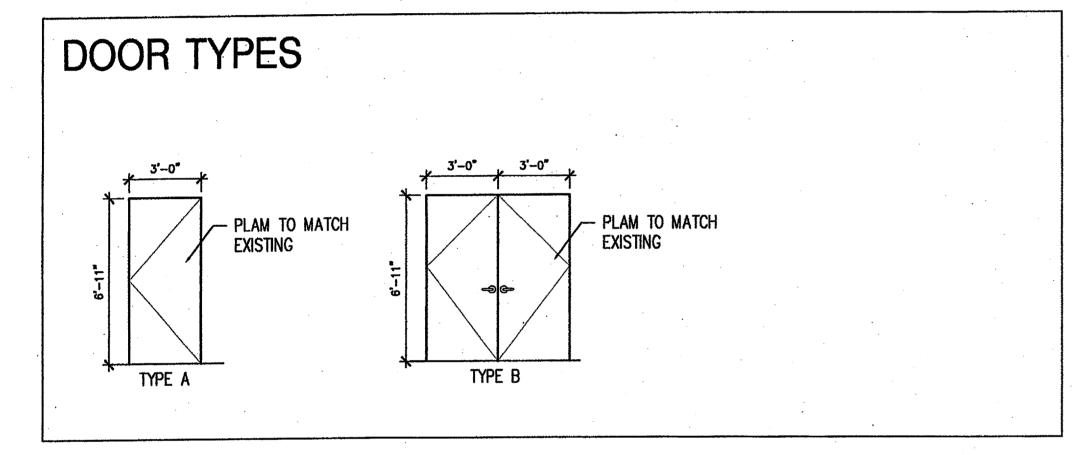
ELEVATIONS, SECTIONS, & DETAILS.

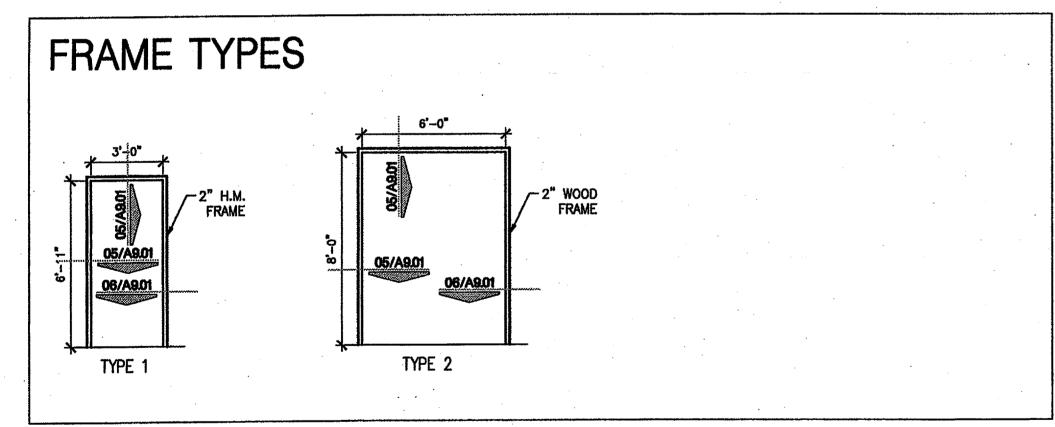


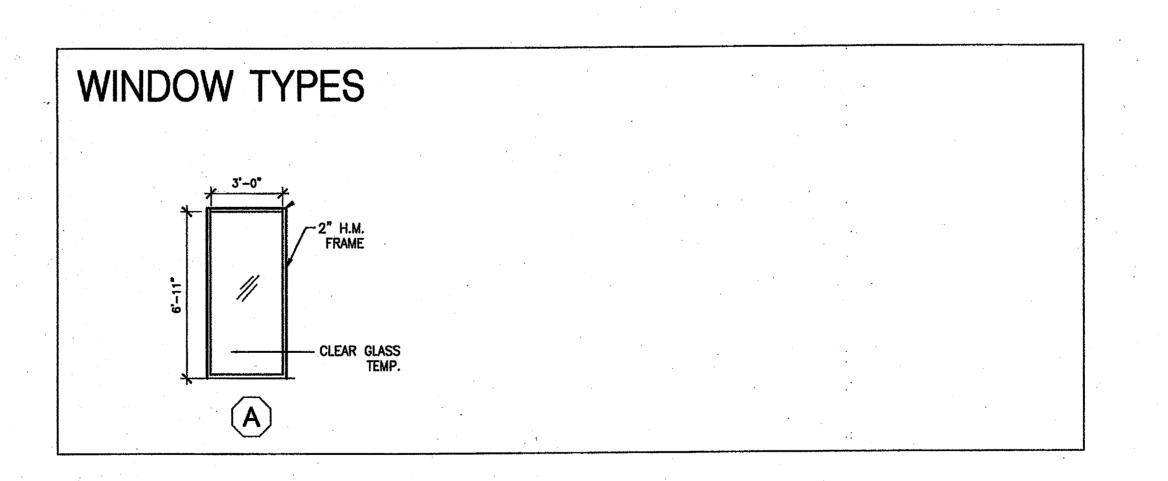
| DC | C | RS | CHE | DULI | | | | | | | | | | |
|------|----------|----------|------------|--------|-------------------------|--|-------|----------|---------|------|--|---------|--------|-------|
| | ۳ | | DIMENSIONS | | | OR & FRAME MATERIAL | | Ж Ж | | | | NOTE | NOTE | |
| DOOR | DR. TYPE | WIDTH | HEIGHT | тніск. | GL. HM. SC. CO | = ALUMINUM = GLASS = HOLLOW METAL = SOLID CORE = CASED OPENING = WOOD | FRAME | HARDWARE | REMARKS | | | DOOR NO | HDWR N | STOP |
| 102 | A | 3'-0" | 6'-11" | 1-3/4" | | SC/HM | 1 | A | | | | | | WALL |
| 103A | Α | 3'-0" | 6'-11" | 1-3/4" | | SC/HM | 1 | Α | | | · · · · · · · · · · · · · · · · · · · | · | | WALL |
| 104 | В | (2)3'-0" | 6'-11" | 1-3/4" | | SC/HM | 2 | A | | | | | | WALL |
| 108 | A | 3'-0" | 6'-11" | 1-3/4" | | SC/HM | 1 | A | | | | | | WALL |
| 112 | A | 3'-0" | 6'-11" | 1-3/4" | | SC/HM | 1 | Α | | | | | | WALL |
| 123 | Α | 3'-0" | 6'-11" | 1-3/4" | | SC/HM | 1 | A | | | · | | | WALL |
| 123A | Α | 3'0" | 6'-11" | 1-3/4" | | SC/HM | 1 | A | | | | | | WALL |
| 128 | Α | 3'-0" | 6'-11" | 1-3/4" | | SC/HM | 1 | A | | | | | | WALL |
| 131 | Α | 3'-0" | 6'-11" | 1-3/4" | | SC/HM | 1 | A | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | WALL |
| 134 | Α | 3'-0" | 6'-11" | 1-3/4" | | SC/HM | 1 | A | · | | | | | WALL. |
| 134A | Α | 3'-0" | 6'-11" | 1-3/4" | | SC/HM | 1 | A | | | V | | | WALL |
| 135 | Α | 3'-0" | 6'-11" | 1-3/4" | | SC/HM | . 1 | A | · | | | | | WALL |

| HARDWARE GROUPS | |
|---|-----|
| A MATCH EXISTING ADA COMPLIANT HARDWARE | |
| | |
| | e e |
| | |
| | |
| | |
| | , • |

INSTALL 34" X 10" SATIN CHROME KICKPLATE TO FACE OF PUSH SIDE.
 INSTALL PANIC HARDWARE ON THIS DOOR.
 CONTRACTOR SHALL LEAVE ALL EXISTING ADA COMPLIANT HARDWARE AND REPLACE NON-COMPLIANT HARDWARE WITH COMPLIANT HARDWARE.







DOOR NOTE:

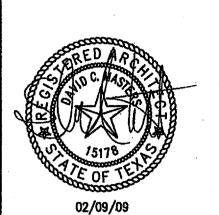
1. PAINTED DOOR AND FRAME, PT-X BOTH SIDES.

HARDWARE NOTE:

merriman associates

architecture · planning interior design

300 N. FIELD ST. DALLAS, TEXAS 75202 214.987.1299 214.987.2138 (FAX)



ANI KING CALL CENTER 4393 SUNBELT DRIVE

© 2000 MERRAMAN ASSOCIATES ARCHTEGTS, INC.

ADDENDUM 2 01--29--09

PROJECT NUMBER

188UE FEBRUARY 9, 2

DOOR SCHEDULE AND DETAILS

A9.01

| | ELECTRICAL SYMBOLS LIGHTING & POWER |
|-----------------------------|--|
| _A O _E | DOWNLIGHT (RECESSED OR SURFACE) (FIXTURE TYPE A, CIRCUIT NO. 3) |
| | FLUORESCENT TUBE FIXTURE (FIXTURE TYPE C, CIRCUIT NO. 2) |
| William (I) | FIXTURE ON NIGHT LIGHT OR EMERG. CKT. |
| 8 XA | EXIT SIGN (TYPE "XA") |
| 0 | JUNCTION BOX, SIZE PER N.E.C. |
| 0 0 | JUNCTION BOX (GRID SYSTEM) |
| Ò 🗓 | INDICATES WALL OR BRACKET MOUNTED FIXTURE |
| Ψ | DUPLEX RECEPTACLE 20A, 125V, GROUNDING DUPLEX RECEPTACLE 20A, 125V, GREY COLOR |
| <u> </u> | DUPLEX RECEPTACLE 20A,125V, HALF SWITCHED |
| • | SIMPLEX RECEPTACLE 20A, 125V, HALF SAFTCHED |
| ₩** | POWER RECEPTACLE 250 VOLT SINGLE PHASE AMPS NOTED (30) |
| | QUADPLEX RECEPTACLE, 20A, 125V, GROUNDING |
| \$ | THREE PHASE RECEPTACLE, AMPS NOTED(50) |
| | TELEPHONE OUTLET, DATA OUTLET, COMBINED OUTLE |
| ₹ 🕏 | SPEAKER, FLUSH MOUNTED IN CEILING UNLESS NOTED OTHERWISE; "F" INDICATES FIRE ALARM |
| <u> </u> | MICROPHONE OUTLET |
| ŏ | FLOOR BOX WITH DUPLEX RECEPT. ("F"=FLUSH) |
| • | FLOOR BOX FOR TELEPHONE ("F"=FLUSH) |
| Ö | CONCEALED SERVICE MULTI-USE FLOOR BOX |
| D | TELEVISION OUTLET |
| 00 | BELL |
| | F/A HORN, HORN WITH LIGHT ASSEMBLY, LIGHT ONLY |
| P P , | F/A SMOKE DETECTOR (D=DUCT) |
| H | F/A HEAT DETECTOR |
| <u> </u> | F/A MANUAL FIRE ALARM PULL STATION |
| <u>୍ର</u> | CLOCK RECEPTACLE |
| <u> </u> | SINGLE POLE SWITCH |
| | TWO POLE SWITCH |
| 94 94 | FOUR WAY SWITCH |
| <u>97</u> 90 | DIMMER SWITCH |
| | SWITCH WITH PILOT LIGHT |
| <u> </u> | "K" INDICATES KEY OPERATED SWITCH |
| gm | SINGLE THROW THERMAL SWITCH |
| × | MAGNETIC MOTOR STARTER |
| ď | DISCONNECT SWITCH |
| œ | FUSED DISCONNECT SWITCH |
| đ | THERMOSTAT |
| Ð | PUSHBUTTON |
| •• | START-STOP PUSHBUTTON |
| | H.O.A. SWITCH |
| - - - | MOTOR WIRING SYMBOLS-SWITCH, HOT, NEUTRAL, GRND |
| | CONDUIT CONCEALED ABOVE CEILING |
| | CONDUIT CONCEALED IN OR BELOW FLOOR |
| | EXPOSED CONDUIT |
| | MULTIOUTLET ASSEMBLY |
| | TELEPHONE CONDUIT WITH PULL WIRE |
| | PANELBOARD (250 VOLT AND BELOW) |
| | PANELBOARD (480 OR 600 VOLT) |
| 1111. | DRY-TYPE TRANSFORMER |
| | TELEPHONE CABINET OR BACKBOARD |
| Par | DUCT SMOKE DETECTOR FOR SMOKE/FIRE DAMPER |
| | ABOVE COUNTER, GFI, ABOVE COUNTER GFI |

| PLUMBING | SYMBOL LEGEND |
|--------------------|--|
| | SANITARY SEMER (SS) |
| | SANITARY VENT (V) |
| — so —— | STORM DRAIN (SD) |
| | STORM OVERFLOW DRAIN (OD) |
| 6W | GREASE WASTE (GW) |
| AW | ACID WASTE (AW) |
| AV | ACID VENT (AV) |
| | DOMESTIC COLD WATER (CW) |
| | DOMESTIC HOT WATER (110°F HW) |
| | DOMESTIC HOT WATER (140'F HW) |
| | DOMESTIC HOT WATER RETURN (RECIRC) |
| | DOMESTIC HOT WATER RETURN (140'F RECIRC) |
| — F — — | FIRE LINE (F) |
| G | NATURAL GAS (G) |
| A | COMPRESSED AIR (A) |
| | OXYGEN |
| | VACUUM |
| N2 | NITROGEN (N) |
| | NITROUS OXIDE (NO) |
| N ₂ O | RISER DOWN (ELBOW) |
| | RISER UP (ELBOW) |
| O l | BRANCH-BOTTOM CONNECTION |
| - 131 - | BRANCH-TOP CONNECTION |
| | |
| <u> </u> | TEE CONNECTION |
| <u> </u> | 90° ELBOW |
| | CAP ON END OF PIPE |
| | UNION |
| - 101 - | FLOOR CLEANOUT |
| 11 | CLEANOUT PLUG |
| | BALL VALVE |
| ─── ₩── | PRESSURE REDUCING VALVE |
| ——Ÿ— | CHECK VALVE |
| | FLOW CONTROL VALVE |
| | GAS COCK |
| 4 | TEMPERATURE-PRESSURE RELIEF VALVE |
| | THERMOMETER |
| | PRESSURE GAUGE WITH GAUGE COCK |
| | DIRECTION OF SLOPE |
| | DIRECTION OF FLOW |
| | OUTLET (SPECIFY TYPE) |
| AG+ | COMPRESSED AIR OUTLET |
| , N.F.W.H. | NON-FREEZE WALL HYDRANT |
| , H.B. | HOSE BIBB |
| , n.b. | FLOOR SINK |
| (i) | FLOOR DRAIN |
| | HUB DRAIN |
| <u> </u> | |
| Ø R.D. | ROOF DRAIN |
| ⊚ <i>o</i> .d. | OVERFLOW DRAIN |
| | EXISTING PIPING TO BE REMOVED |
| ⊕ | NEW CONNECTION TO EXISTING |
| | A A ALAMA ARE NECESCARII Y LISER |

NOTE: NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED.

| LINE | DESCRIPTION | LINE | |
|-------------------------|---|---|-------------------|
| | 90° ELBOM DOMN | <u></u> | |
| | 90° ELBOM UP | E 10 | |
| | OFFSET TO CHANGE ELEVATION (AT 30° WHEN POSSIBLE ARROW SLOPES DN.) | ണ | |
| $\overline{}$ | ROUND RADIUS ELBOW | | |
| | 45° EL B OM | | \mathcal{C} |
| | 90° STRAIGHT TEE | | ROUND (4) OR OVAL |
| | 90' CONICAL TEE | | CND (*) |
| | 45° BRANCH | | Ş |
| | 45° CONICAL TEE | | |
| | SIZE TRANSITION | | |
| — | SHAPE TRANSITION | | |
| | ROUND FLEXIBLE DUCT | 6 | |
| ─ ──⊠ | 90° ELBOW DOWN W/ TURNING VANES (U.N.O.) | / | |
| ——M | 90' ELBOW UP W/ TURNING VANES (U.N.O.) | F M | |
| <u> </u> | TEE WITH SPLITTER & TURNING VANES IN VERTICAL | \$ MI \$ | |
| | OFFSET TO CHANGE ELEVATION (AT 30° WHEN POSSIBLE ARROW SLOPES DN.) | | |
| | RECTANGULAR RADIUS ELBOW | | |
| | RECTANGULAR ELBOW WITH TURNING VANES | | |
| | SPLIT BRANCH TAKE-OFF WITH SQUARE ELBOW AND SPLITTER DAMPER. | £ 4 4 | GULAR |
| <u></u> | SPLIT BRANCH TAKE-OFF WITH RADIUS ELBOW AND SPLITTER DAMPER. | £ 4 1 4 | RECTANGULAR |
| | BRANCH TAKE-OFF WITHOUT AIR BALANCING DAMPER. | ± # | |
| <u>+</u> | BRANCH TAKE-OFF WITH AIR BALANCING DAMPER. (SCOOP DAMPER) | | |
| | TEE WITH SPLITTER DAMPER | ± 1 | |
| | SPIN-IN TAP WITH DAMPER | £ # | |
| | SQUARE NECK CLG. DIFFUSER 4-WAY DIRECTIONAL THROW UNLESS INDICATED OTHERWISE. | / 🖾 | |
| - 2 | SQUARE NECK CLG. DIFFUSER 4-WAY DIRECTIONAL THROW UNLESS INDICATED OTHERWISE. | * 0 | |
| | SIDEWALL SUPPLY GRILLE OR REGISTER WITH O.B.D. | ± ± + | |
| | SUPPLY DUCT RISER | | |
| | RETURN, EXHAUST OR OUTSIDE AIR DUCT RISER. | | - |
| →►□ | CEILING RETURN AIR GRILLE OR REGISTER | □→\ | |
| / | DOOR GRILLE | -[+ | |
| + | VOLUME DAMPER | # | |
| +0 | FIRE DAMPER | # | NEOUS |
| | MOTORIZED DAMPER | 1 | MISCELLANEOUS |
| | GRAVITY BACKDRAFT DAMPER | # | |
| | AUTO SMOKE DAMPER | 1 | |
| ® + | DUCT MOUNTED SMOKE DETECTOR | | |
| ₽+ ∅ | SMOKE/FIRE DAMPERS (CLASS II MIN.) | | |
| • • | THERMOSTAT OR TEMPERATURE SENSOR | Ð | |
| ⊕ / © | ROOM HUMIDISTAT / CARBON DIOXIDE SENSORS | H/C | ļ |
| ALL SYMBOL THIS JOB. | s on this list are not necessa | KILI USED ON | • |

HVAC LEGEND

DESCRIPTION

DOUBLE LINE

| ACC ABOVE FINISHED CELING AFC ABOVE FINISHED CELING AFC ABOVE FINISHED CELING AFF ABOVE FINISHED GRADE AFF ABOVE FINISHED GRADE AFF ABOVE FINISHED GRADE AFF ABOVE GRADE AND GFT AHAP AS HIGH AS POSSIBLE ALT. ALTERNATE APPROXI APPROXIMATELY BRILLIAN BRIL | MEF ABV. | ABBREVIATIONS |
|--|-------------|---|
| AFC ABOVE FINISHED FLOOR AFG ABOVE FINISHED FLOOR AFG ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AFG ABOVE FINISHED GRADE AFG ABOVE GRADE AND GPI AHAM AR HANDLING COUNT AND APPROXIMATELY BRID BRILLIAN FAMAGEMENT SYSTEM CHELL CHEMICAL CHELL CHEMICAL CHEMIC | AC | ALTERNATING CURRENT |
| AFG ABOVE GRADE AND GFT AHAP AS HIGH AS POSSIBLE AHU AN HANDLING UNIT AND ANTENNY TEMPERATURE (*F) APPEAR A | AFC | ABOVE FINISHED CEILING |
| AHAP AS HIGH AS POSSIBLE AHU AN HANDLING UNIT ALT. ALTERNATE ALTERNATE ALTERNATE ALTERNATE ALTERNATE ALTERNATE APPROXIMATELY B.G. BELOH GRADE BIS. BAROHETRIC RELIEF DAMPER B.G. BELOH GRADE BIS. BAROHETRIC RELIEF DAMPER BTU BRITISH THERFIAL UNIT CPL CONSTRUCTION DOCUMENTS CFM CUBIC FEET PER HOUR CFM CUBIC FEET PER HOUTE CFM CUBIC FEET PER FORMATELY EVER CUBIC FEET PER HOUTE CFM CUBIC FEET PER SECOND FILE F | AFG | ABOVE FINISHED GRADE |
| ALTERNATE AMBIENT TEMPERATURE (*F) AMBIENT TEMPERATURE (*F) AMPPER AMPREX APPROX. AMBIENT TEMPERATURE (*F) ARCH. ARCHITECTURAL ARCH. ARCHITECTURAL ARCH. ARCHITECTURAL ARCH. ARCHITECTURAL ARCH. ARCHITECTURAL ARCH. ARCHITECTURAL B.G. BELGA GRADE B.G. BELGA GRADE B.G. BELGA GRADE BY BULDING MADRET SYSTEM BY B. BARCHETRIC RELIEF DAMPER BY BULDING THE PER COLUR CFM CUBIC FEET PER COLUR CFM CUBIC FEET PER MINUTE CH. CHEMICAL CHE | AHAP | AS HIGH AS POSSIBLE |
| APPROX. APPROXIMATELY ARCH. ARCHITECTURAL AVG. AVG. APPROXIMATELY ARCH. ARCHITECTURAL AVG. AVG. AVG. AVG. AVG. AVG. AVG. AVG. | ALT. | ALTERNATE |
| ARCH. ARCHITECTURAL AVG. AVERAGE B.G. BEJCH GRAPE B.G. BEJCH GRAPE B.G. BEJCH GRAPE BRD. BARDHERIC RELIEF DAMPER BRD. BARDHERIC RELIEF DAMPER BRD. BARDHERIC RELIEF DAMPER BRD. BARDHERIC RELIEF DAMPER BTU. BRITISH THERITAL UNIT CD. CONSTRUCTION DOCUMENTS CFH. CUBIC FEET PER HOUR CFH. CUBIC FEET PER HOUR CHE. CHILLER CHP. CHILLED WATER PUMP CC.G. GELING CC.G. GELING CC.G. GELING CC.G. GELING CC.G. GELING CC.D. CONDENSING UNIT DB. DRY BULB DEFL. DEFLECTION DEG. P. DEGREES PAHRENHEIT DET. DETAIL DEVELOPMENT DB. DRY BULB DEFL. DEGREES PAHRENHEIT DET. DETAIL DEVELOPMENT DB.C. DESCANBECT SHITCH DIM. DIMENSION EA. DESCANBECT SHITCH DIM. DIMENSION EA. DESCANBECT SHITCH DIM. DIMENSION EA. DESCANBECT SHITCH DISC. DESCANBECT SHITCH DISC. DESCANBECT SHITCH DISC. DESCANBECT SHITCH DESC. DESCANBECT SHITCH DESCANBE SHITCH DESCANBECT | AMP. | AMPERE |
| B.G. BELOW GRADE BYG. BULDING MANAGEMENT SYSTEM BYD. BULDING MANAGEMENT SYSTEM BRD. BAROMETRIC RELIEF DAMPER CPD. CONSTRUCTION DOCUMENTS CPH. LUBIC FEET PER HINUTE CH. CHILLER CHEM. COMPRESSOR CT. CONDENSING WATER PUMP COLOR DESIGN GIVER COLOR DESIGN GIVER COLOR DESIGN GIVER COLOR DESIGN DEVELOPMENT DIA. DIAMETER DISC. DISCONNECT SHITCH DIM. DIPENSION EAS EXAMUST AIR BRIEF SHATENING EB ENTERING WATER BULB ELEV. ELECTRICAL ELEVATION ELEV. ELECTRICAL ELEV. ELECTRICAL ELEV. SHORT CONTROL SYSTEM ELEV. ELEVATION ELEV. ELEVATION ENTERNING WATER EMPERATURE EXHAUST EX | ARCH. | ARCHITECTURAL |
| BHIS BUILDING MANAGEMENT SYSTEM BROD BARCHETRIC PELIEF DAMPER BRID BARCHETRIC PELIEF DAMPER BTU BRITISH THERMAL UNIT CHI CHIST FET PER HOUR CHICKET OF COLUMENTS CHEMICAL CHIP CHILLED MATER PUMP CKT. CIBIC FEET PER HINUTE CKT. CIRCUIT CLG. CEILING CMPR. COMPRESSOR CT COOLING TOMER CMPR. COMPRESSOR CMPR. CMPR. COMPRESSOR CMPR. CMPR. COMPRESSOR CMPR. CMPR. COMPRESSOR CMPR. CMPR. CMPR. COMPRESSOR CMPR. | Œ | BOILER |
| DETU BRITISH THERMAL UNIT CD CONSTRUCTION DOCUMENTS CPH CUBIC FEET PER HOUR CPH CUBIC FEET PER HOUR CPH CUBIC FEET PER MINUTE CH. CHILLER CHEMICAL | BMS | BUILDING MANAGEMENT SYSTEM |
| CPH CUBIC FEET PER MINUTE CH. CHILLER CHILLER CHILLER CHILLER CHILLER CHENICAL CHENI | BTU | BRITISH THERMAL UNIT |
| CHIEM. CHILLER CHEMICAL CHEMIC | CFH | CUBIC FEET PER HOUR |
| CHILLED WATER PUMP CKT. CIRCUIT CLG. CEILLING CMPR. COMPRESSOR CT COOLING TOMER CMP CONDENSER WATER PUMP CU CONDENSER WATER DET. DETAIL. DETAIL. DETAIL. DETAIL. DETAIL. DETAIL. DIA. DIAMETER DISCONDENT SWITCH DIA. DIAMETER DEB DIAMET FAN EFF DAHAUST JAR EFF DAHAUST JAR EFF DAHAUST JAR ELEC. ELECTRICAL ELEC. ELECATICAL ELEV. ELEVATION ES.P. DETERNAL STATIC PRESS. (IN. N.G.) ES.P. DETERNAL STATIC PRESSURE IN HARD STATIC PRESSURE IN HART STATIC IN HART STATIC IN HART STATIC IN HART STATIC IN HA | CH. | CHILLER |
| CLG. CEILING CMPR. COMPRESSOR CT COOLING TOMER CMP COMPENSION TOMER CU CONDENSING UNIT DB DRY BULB DEFL. DEFLECTION DETAIL DISC. DISCONNECT SWITCH DIM. DIMENSION DIMENSI | CHP | CHILLED WATER PUMP |
| CT COOLING TOMER CUP CONDENSING UNIT DB DRY BULB DEFL. DEFL. DEFLECTION DEG. F. DEFLECTION DISC. DISCONNECT SHITCH DIM. DIMENSION EA EXHAUST AIR EDB ENTERING DRY BULB EFF EXHAUST FAN ELEC. ELECTRICAL ELEV. TION ENGS. BERGET MIGHT. CONTROL SYSTEM ELEV. ELEVATION ENGS. BERGET MIGHT. CONTROL SYSTEM ES. P. DEFLEVATION ENGS. BERGET MIGHT. CONTROL SYSTEM ES. P. DEFLEVATION ENGS. BERGET MIGHT. CONTROL SYSTEM ES. P. DEFLEVATION ENGS. ENERGY MIGHT. EVEN EXIST. EXISTING FAN TERRING MATER TEMPERATURE EXH. EXISTING FAN TERRING MATER TEMPERATURE EXH. EXISTING FACTIONAL HORSE POWER FIR. FLOOR FIR. FREEDEN FIR. FREEDE | CLG. | CEILING |
| CUI CONDENSING UNIT DB DAY BULB DEFIL. DEFILECTION DEG. F DEGREES PAHRENHEIT DET. DETAIL DDET. DETAIL DDET. DETAIL DDD DESIGN DEVELOPMENT DIA. DIAMETER DISC. DISCONNECT SMITCH DIM. DIMENSION EA EXHAUST AIR EDB ENTERING DRY BULB EF EXHAUST FAN ELEC. ELECTRICAL ELEV. ELEVATION EMCS. ENERGY MGMT. CONTROL SYSTEM ELEV. ELEVATION EMCS. ENERGY MGMT. CONTROL SYSTEM ELS.P. EXTERNAL STATIC PRESS. (IN. M.G.) EMB ENTERING WATER TEMPERATURE EXH. EXHAUST EXIST. EXISTING F/A FREE AREA OPENING (SG. FT.) FCU FAN COIL UNIT FHP FRACTIONAL HORSE POMER FIL. FLOOR FPI COIL FINS PER INCH. FPM FEET PER MINUTE FPS FEET PER SECOND FT. FOOT OR FEET GFI GROUND FAULT INTERRUPTER GPM GALLONS PER MINUTE HD. HEAD HOA HANDS/OFF/AUTO. MOTOR STARTER HPU HEAT PUMP UNIT HE, HOUR(S) HT. HEATING HTR. HEATING HTR. HEATING HTR. HEAT EXCHANGER HAVE HEAT HERE HERE HAVE HEAT HA | CT | COOLING TOWER |
| DEFL. DEFLECTION DEG. P. DEGREES FAHRENHEIT DET. DETAIL DID. DESIGN DEVELOPMENT DIA. DIMENSION EA EXHAUST AIR EDD ENTERING DRY BULB EF EXHAUST FAN ELEC. ELECTRICAL ELEV. ELEVATION ELEV. ELEVATION ECS. ENERGY MGMT. CONTROL SYSTEM E.S.P. ENTERING WET BULB EAT ENTERING WATER TEMPERATURE EXH. EXHAUST EXIST. SUISTING F/A FREE AREA OPENING (SG. FT.) FCU FAN COIL UNIT FHP FRACTIONAL HORSE POWER FIL. FLOOR FPI COIL FINS PER INCH. FPM FEET PER MINUTE FPS FEET PER SECOND FTT. FOOT OR FEET GFI GROUND FAULT INTERRUPTER GPM GALLONS PER MINUTE HD. HEAD HOA HANDS/OFF/AUTO. MOTOR STARTER HP HORSE POWER HPU HEAT PUMP UNIT HR. HOUR(S) HT. HEATTING HTR. HEAT EXCHANGER? IN SIDE DIAMETER OR DIMENSION IN. INCHES KIM KILOMATT LEAVING AIR TEMPERATURE MAX. MAXIMUM MAXI | CU | CONDENSING UNIT |
| DET. DETAIL DD DESIGN PEVELOPMENT DIA. DIAMETER DISC. DISCONNECT SHITCH DIM. DIMENSION EA EXHAUST AIR EDB ENTERING DRY BULB EF EXHAUST FAN ELEC. ELECTRICAL ELEV. ELEVATION ENCS. ENERGY MGHT. CONTROL SYSTEM ELS.P. ENTERNAL STATIC PRESS. (IN. M.G.) ENGS. ENTERNING WET BULB EHT ENTERING WET BULB EHT EXHAUST EXHA | DEFL. | DEFLECTION |
| DIA. DIAMETER DISC. DISCONNECT SHITCH DIM. DIMENSION EA EXHAUST AIR EDD BYTERING DRY BULB EF EXHAUST FAN ELEC. ELECTRICAL ELEV. ELEVATION ENCS. ENERGY MGHT. CONTROL SYSTEM ELS.P. ENTERNAL STATIC PRESS. (IN. M.G.) ENG ENTERING WATER TEMPERATURE EXH. EXHAUST EXIST. EXISTING F/A FREE AREA OPENING (SQ. PT.) F/A FREE AREA OPENING (SQ. PT.) F/A FREE AREA OPENING (SQ. PT.) F/CU FAN COIL UNIT FHP FRACTIONAL HORSE POWER FIL., LOOR FPI COIL FINS PER INCH. FPPH FEET PER MINUTE FPS FEET PER SECOND FT. FOOT OR FEET GFI GROUND FAULT INTERRUPTER GPPH GALLONS PER MINUTE HD. HEAD HOA HANDS/OFF/AUTO. MOTOR STARTER HPU HEAT PUMP UNIT HR. HOUR(S) HR. HOUR(S) HR. HEATER HVAC HEATY/ENT AND AIR CONDITIONING HRP HORSE POWER HT. HEATER HVAC HEATY/ENT AND AIR CONDITIONING HRP HORSE POWER HT. HEATER HVAC HEATY/ENT AND AIR CONDITIONING HRP HORSE POWER HR. HOUR(S) HR. HEATER HVAC HEATY/ENT AND AIR CONDITIONING HRP HORSE POWER HR. HOUR(S) HR. HEATER HVAC HEATY/ENT AND AIR CONDITIONING HRP HORSE POWER HRACH EXCLANGER HZ. FREQUENCY (HERTZ) HZ. FREQUENCY HZ. HZ. FREQUENCY HZ | DET. | DETAIL |
| DIMENSION EA ENHAUST AIR EDB ENTERING DRY BULB EF ENHAUST FAN ELEC. ELECTRICAL ELEC. ELECTRICAL ELEC. ELECTRICAL ELEC. ELECTRICAL ELEC. ELECTRICAL ENTERING WET BULB ENTERING WATER TEMPERATURE EXH. EXHAUST EXIST. EXISTING FIA. FREE AREA OPENING (SQ. PT.) FOU FAN COIL UNIT FUR FRACTIONAL HORSE POWER FIR. FROOT ON FREET FIR. FROOT ON FREET FIR. FROOT ON FREET FIR. FOOT ON FREET FIR. FOOT ON FREET FIR. FOOT ON FREET FIR. FOOT ON FREET FIR. HOLD FAULT INTERRUPTER GPM GALLONS PER MINUTE HD. HEAD HOA HANDS/OFF/AUTO. MOTOR STARTER HP HORSE POWER HPU HEAT PUMP UNIT HR. HEIGHT HIT. HEIGHT HIT. HEIGHT HIT. HEATER HVAC HEAT, VENT AND AIR CONDITIONING HIMP HOT WATER PUMP HX HEAT EXCHANGER HX (ILLONATT HOUR HX (ILLONAT | DIA. | DIAMETER |
| EDB ENTERING DRY BULB EF ENHAUST FAN ELEC. ELECTRICAL ELEC. ELECTRICAL ENCS. ENERGY MGNT. CONTROL SYSTEM ES.P. ENTERNIAL STATIC PRESS. (IN. M.G.) ENG ENTERING WET BULB ENT ENTERING WET BULB ENT ENTERING WET BULB ENTER ENTERING WATER TEMPERATURE EXIST. EXISTING FIGURE FAR COLL UNIT FULL FAN FULL FAN COLL FULL FAN FULL FAN FULL F | DIM. | DIMENSION |
| ELEC. ELECATICAL ELEC. ELEVATION PMCS. ENERGY MGMT. CONTROL SYSTEM ES.P. EXTERNAL STATIC PRESS. (IN. M.G.) EMB EXTERNAL STATIC PRESS. (IN. M.G.) EMB ENTERING MATER TEMPERATURE EXH. EXHAUST EXIST. EXISTING F/A PREE AREA OPENING (SQ. FT.) FCU FAN COIL UNIT FHP FRACTIONAL HORSE POMER FLR. FLOOR FPI COIL FINS PER INCH. FPP FET PER MINUTE FPS FET PER SCOND FT. FOOT OR FEET GROUND FAULT INTERRUPTER GPM GALLONS PER MINUTE HD. HEAD HOA HANDS/OFF/AUTO. MOTOR STARTER HP HORSE POMER HP HORSE POMER HP HEIGHT HTG. HEATING HTG. HEATING HTG. H | EDB | ENTERING DRY BULB |
| ENCS. ENERGY MGMT. CONTROL SYSTEM ES.P. EXTERNAL STATIC PRESS. (IN. M.G.) EMB ENTERING METER TEMPERATURE EMT. EXHERING MATER TEMPERATURE EMT. EXHERING MATER TEMPERATURE EXIST. EXISTING F/A. FREE AREA OPENING (SQ. FT.) FCU FAN COIL UNIT FHP FRACTIONAL HORSE POWER FLR. FLOOR FLR. FLOOR FPET PER SECOND FT. FOOT OR FEET GRUND FAULT INTERRUPTER GPM GALLONS PER MINUTE HD. HEAD HOA HANDS/OFF/AUTO. MOTOR STARTER HP HORSE POWER HPU HEAT PUMP UNIT HR. HEATER HYAC HEATING HTR. HEATER HYAC HEAT, VENT AND AIR CONDITIONING HIT. HEIGHT HYE HEAT EXCHANGER HYE HEAT EXCHANGER HYE HEAT EXCHANGER HYE HEAT EXCHANGER HYE HEAT LEAVING AIR TEMPERATURE LAT LEAVING AIR TEMPERATURE LAT LEAVING AIR TEMPERATURE LAT LEAVING MATER TEMPERATURE LAT LEAVING AIR TEMPERATURE LAT LEAVING MATER TEMPERATURE MAX. MAXIMUM MCA MINIMUM CURRENT AMPS. MCCP MAX. OVER CURRENT PROTECTION MBH GOO BTU PER HOUR MFR. MANUFACTURER MIN. MINIMUM MYD MANUAL VOLUME DAMPER MIN. MINIMUM MYD MANUAL VOLUME DAMPER MYA NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK. NECK DIMENSION NN. NECK DIMENSION NN. NECK DIMENSION NN. NECK DIMENSION NO. NUMBER PMB. POWERED MIXING BOX PLEG. PLUMBING PNL. PANEL PRESSURE DROP (FT) PH. PHASE PMB POWERED PINXING BOX PLEG. PLUMBING PNL. PANEL PRESS PRESSURE RAM REFURN AIR GRILLE RD. RADIUS SAA SUPPLY AIR SHEEL PRESS PRESSURE RAM REFURN AIR GRILLE RD. RADIUS SAA SUPPLY AIR SHEEL PRESS PRESSURE RAM REFURN AIR GRILLE RD. RADIUS SAA SUPPLY AIR SHEEL PRESS PRESSURE PRESSURE PROP (FT) PH. PHASE PMB POWERED MIXING BOX PLEG. PLUMBING PNL. PANEL PRESS PRESSURE (IN. W.G.) UNI HEATER SHER SUPPLY AIR GRILLE SEER SEASON BENERGY EFFICIENCY RATIO SENS. SENSIBLE SEER SEASON BENERGY EFFICIENCY RATIO WATTH WATT W/ WAITT W/ WAITT W/ WAITT W/ WAITH W/ ON INTHER WAITH W/ WAITH W/ ON INTHER WAITH W/ ON INTHER WAITH W/ WAITH W/ ON INTHER WAITH WAITH W/ ON INTHER WAITH W/ ON INTHER WAITH W/ ON INTHER WAITH WAITH W/ ON INTHER WAITH WAITH W/ | ELEC. | ELECTRICAL |
| EMB ENTERING MATER TEMPERATURE EMT. ENTERING MATER TEMPERATURE EMT. EXISTING F/A FREE AREA OPENING (SQ. FT.) FCU FAN COIL UNIT FHP FRACTIONAL HORSE POWER FLR. FLOOR FPH COIL FINS PER INCH. FPM FEET PER MINUTE FPS FEET PER SECOND FT. FOOT OR FEET GROUND FAULT INTERRUPTER GPM GALLONS PER MINUTE HD. HEAD HOA HANDS/OFF/AUTO. MOTOR STARTER HP HORSE POWER HP HORSE POWER HP HEAT PUMP UNIT HR. HOUR(S) HT. HEATING HTR. HEATING HTR. HEATING HTR. HEATER HVAC HEAT, VENT AND AIR CONDITIONING HWP HOT WATER PUMP HX HEAT EXCHANGER HZ. FREQUENCY (HERTZ) ID INSIDE DIAMETER OR DIMENSION IN. INCHES KM KILOMATT HOUR LAT LEAVING WATER TEMPERATURE LAT LEAVING WATER TEMPERATURE HAX HAMIMUM CURRENT AMPS. KM KILOMATT HOUR MAX HORD MAX OVER CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH. MINIMUM MCA MINIMUM CURRENT AMPS. MINIMUM MCA MINIMUM CURRENT AMPS. MOCP MAX. OVER CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH. MINIMUM MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC. NOISE CRITERIA NIC NOT IN CONSTRUCTION NK NECK DIMENSION NK. NECK DIMENSION NK. NECK DIMENSION NK. NECK DIMENSION NK. NECK DIMENSION NC. NUMBER OA OUTSIDE AIR OA OUTSIDE AIR OA OUTSIDE DIAMETER ORIG. ORIGINAL P.D. PRESSURE PMB POWERED MIXING BOX PLEG. PLUMBING PNL PAREL PRESS, PRESSURE RA RETURN AIR RAG RETURN AIR GRILLE RD. RADIUS SAG SUPPLY AIR GRILLE SPENS PRESSURE SPENS PRESSURE SAG SUPPLY AIR GRILLE SAG | EMCS. | ENERGY MGMT. CONTROL SYSTEM |
| EXH. EXHAUST EXISTING F/A FREE AREA OPENING (SQ. FT.) FCU FAN COIL UNIT FHP FACTIONAL HORSE POWER FLR. FLOOR FPH COIL FINS PER INCH. FPH FEET PER MINUTE FPS FEET PER MINUTE FPS FEET PER SECOND FT. FOOT OR FEET GRUND FAULT INTERRUPTER GPM GALLONS PER MINUTE HD. HEAD HOA HANDS/OFF/AUTO. MOTOR STARTER HP HORSE POWER HPU HEAT PUMP UNIT HR. HOUR(S) HT. HEIGHT HTG. HEATING HVAC HEAT, VENT AND AIR CONDITIONING HWP HOT WATER PUMP HX HEAT EXCHANGER HX HEAT EXCHANGER HX. FREQUENCY (HERTZ) ID INSIDE DIAMETER OR DIMENSION INI. INCLES KM KILOMATT HOUR LAT LEAVING WATER TEMPERATURE LAT LEAVING WATER TEMPERATURE LAT LEAVING WATER TEMPERATURE MAXIMUM MCA MINIMUM CURRENT AMPS. MOCP MAX. OVER CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH. MINIMUM MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE N/A NOT A | EMB | ENTERING WET BULB |
| FAA PREE AREA OPENING (SQ. FT.) FCU FAN COLL UNIT FUP FRACTIONAL HORSE POWER FLR. FLOOR FPI COIL FINS PER INCH. FPM FEET PER MINUTE FPS FEET PER SECOND FT. FOOT OR FEET GFI GROUND FAULT INTERRUPTER GPM GALLONS PER MINUTE HD. HEAD HOA HANDS/OFF/AUTO. MOTOR STARTER HP HORSE POWER HPU HEAT PUMP UNIT HR. HOUR(S) HT. HEIGHT HTG. HEATING HVAC HEAT, VENT AND AIR CONDITIONING HWP HOT HARTER PUMP HX FREQUENCY (HERTZ) ID INSIDE DIAMETER OR DIMENSION IN. INCHES KW KILOWATT HOUR KILOWATT HOUR LAT LEAVING WATER TEMPERATURE LAT LEAVING WATER TEMPERATURE LAT LEAVING WATER TEMPERATURE MAX. MAXIMUM MCA MINIMUM CURRENT AMPS. MCCP MAX. OVER CURRENT PROTECTION MBH 1000 BTU PER HOUR MFC. MANDAL VOLUME DAMPER MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE N/C NOISE CRITERIA NIC NOT IN CONSTRUCTION NK NECK DIMENSION NK NECK DIMENSION NK NECK DIMENSION NC NUMBER RA RETURN AIR GRILLE RD. RADUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RT. PRESS. PRESSURE RA RETURN AIR GRILLE SPA SUPPLY AIR GRILLE SPA STARTLYSTOP/STATUS SPA SUPPLY AIR GRILLE SPA STARTLYSTOP/STATUS SPA SUPPLY AIR GRILLE SPA SUPPLY AIR GRILLE SPA STARTLYSTOP/STATUS SPA SUPPLY AIR GRILLE SPA SUPPLY AIR GRILLE SPA STARTLYSTOP/STATUS SPA SUPPLY | EXH. | EXHAUST |
| FIFP FRACTIONAL HORSE POWER FIR. FLOOR FPI COIL FINS PER INCH. FPPM FEET PER MINUTE FPS FEET PER SECOND FT. FOOT OR FEET GFI GROUND FAULT INTERRUPTER GPM GALLONS PER MINUTE HD. HEAD HOA HANDS/OFF/AUTO. MOTOR STARTER HPU HORSE POWER HPU HEAT PUMP UNIT HR. HOUR(S) HT. HEIGHT HTG. HEATING HVAC HEAT, VENT AND AIR CONDITIONING HWP HOT WATER PUMP HX HEAT EXCHANGER HZ. FREQUENCY (HERTZ) ID INSIDE DIAMETER OR DIMENSION IN. INCHES KW KILOWATT HOUR KILOWATT HOUR MAX. OVER CURRENT PROTECTION MEH 1000 BTU PER HOUR MAX. MAXIMUM MCCA MINIMUM CURRENT AMPS. MOCP MAX. OVER CURRENT PROTECTION MEH 1000 BTU PER HOUR MECHANICAL MICH MECHANICAL MICH MICH MORE MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE N/A NOT | F/A | FREE AREA OPENING (SQ. FT.) |
| FPI COIL FINS PER INCH. FPM FEET PER MINUTE FPS FEET PER SECOND FT. FOOT OR FEET GFI GROUND FAULT INTERRUPTER GPM GALLONS PER MINUTE HD. HEAD HOA. HANDS/OFF/AUTO. MOTOR STARTER HP HORSE POWER HPU HEAT PUMP UNIT HR. HOUR(S) HT. HEATING HTG. HEATING HVAC HEAT. VENT AND AIR CONDITIONING HWP HOT WATER PUMP HX HEAT EXCHANGER HZ. FREQUENCY (HERTZ) ID INSIDE DIAMETER OR DIMENSION IN. INCHES KM KILOWATT HOUR LAT LEAVING WATER TEMPERATURE MAX. MAXIMUM MCA MINIMUM CURRENT AMPS. MOCP MAX. OVER CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH. MECHANICAL MFR. MANUFACTURER MIN. MINIMUM MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK, NECK DIMENSION N/O. NUMBER OA OUTSIDE AIR OAR ONNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER ORIG. ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG. PLUMBING RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR GRILLE PRESS. PRESSURE SON SUPPLY AIR GRILLE PRESS SUPPLY AIR GRILLE PRESS SUPPLY AIR GRILLE PRESS SUPPLY AIR GRILLE PRESS SON DENGRY EFFICIENCY RATIO SERS SUPPLY AIR GRILLE PRESS SON DENGRY EFFICIENCY RATIO SERS SUPPLY AIR GRILLE PRESS SON SUPPLY AIR GRILLE PRESSURE PRESSURE (IN. W.G.) UNIT HEATER UNO UNLESS NOTED OTHERWISE VY VOLT WATHER PRESSURE DROP WPG MATTERPROOF GFI | FHP | FRACTIONAL HORSE POWER |
| FPS FEET PER SECOND FT. FOOT OR FEET GFI GROUND FAULT INTERRUPTER GPM GALLONS PER MINUTE HD. HEAD HOA HANDS/OFF/AUTO. MOTOR STARTER HP HORSE POWER HPU HEAT PUMP UNIT HR. HOUR(S) HT. HEIGHT HTG. HEATING HTR. HEATER HVAC HEAT, VENT AND AIR CONDITIONING HWP HOT WATER PUMP HX HEAT EXCHANGER HZ. FREQUENCY (HERTZ) ID INSIDE DIAMETER OR DIMENSION IN. INCHES KM KILOWATT HOUR LAT LEAVING AIR TEMPERATURE LAT LEAVING AIR TEMPERATURE LAT LEAVING WATER TEMPERATURE LAT LEAVING WATER TEMPERATURE MAX. MAXIMUM MCA MINIMUM CURRENT AMPS. MOCP MAX. OVER CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH. MECHANICAL MFR. MANDFACTURER MIN. MINIMUM MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK. NECK DIMENSION NO. NUMBER OAD OUTSIDE AIR OAD OUTSIDE AIR OAR OWNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER ONG. OKIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG, PLUMBING RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR GROUNCES SUPPLY AIR GRILLE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR GRILLE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR GRILLE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR GRILLE SPESSURE PRESSURE (IN. M.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V/ VOLT VAY VARIABLE AIR VALVE VEL VICLOTITY WAY VARIABLE AIR VALVE VEL VICLOTITY WAY VARIABLE AIR VALVE VEL VICLOTITY WAY WARTER FRESSURE DROP WPG MEATHERPROOF GFI WPD MATER PRESSURE DROP WPG MEATHERPROOF GFI | FPI | COIL FINS PER INCH. |
| GFI GROUND FAULT INTERRIPTER GPM GALLONS PER MINUTE HD. HEAD HOA HANDS/OFF/AUTO. MOTOR STARTER HP HORSE POWER HPU HEAT PUMP UNIT HR. HOUR(S) HT. HEIGHT HTG. HEATING HTR. HEATER HVAC HEAT, VENT AND AIR CONDITIONING HWP HOT WATER PUMP HX HEAT EXCHANGER HZ. FREQUENCY (HERTZ) ID INSIDE DIAMETER OR DIMENSION IN. INCHES KW KILOWATT HOUR LAT LEAVING AIR TEMPERATURE LAT LEAVING AIR TEMPERATURE LAT LEAVING CHERTENT PROTECTION MGA. MINIMUM CURRENT AMPS. MCCA MINIMUM CURRENT AMPS. MCCA MINIMUM CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH, MECHANICAL MFR. MANUFACTURER MIN. MINIMUM MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK NECK DIMENSION NO. NUMBER OAR OWNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER ORIG. ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MINING BOX PLBG, PLUPIBING PNIL PANEL REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG RETURN AIR GRILLE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG RETURN AIR GRILLE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG SUPPLY AIR GRILLE SPESSURE SPESSURE (IN. M.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE VY VALUATIONS SATER SPESSURE SAG SUPPLY AIR GRILLE SPESSURE SPESSURE (IN. M.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE VY VALUATIONS SAG SUPPLY AIR GRILLE SPESSURE SPESSURE (IN. M.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE VY VALUATIONS SAG SUPPLY AIR GRILLE SPESSURE PRESSURE (IN. M.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE VY VALUATIONS SAG SUPPLY AIR GRILLE SPESSURE PRESSURE DROP WPG WASTIBERPROOF GFI | FPS | FEET PER SECOND |
| HD. HEAD HOA HANDS/OFF/AUTO. MOTOR STARTER HP HORSE POWER HPU HEAT PUMP UNIT HR. HOUR(S) HT. HEIGHT HTG. HEATING HTR. HEATER HVAC HEAT, VENT AND AIR CONDITIONING HWP HOT WATER PUMP HX HEAT EXCHANGER HZ. FREQUENCY (HERTZ) ID INSIDE DIAMETER OR DIMENSION INI. INCHES KM KILOWATT HOUR LAT LEAVING MATER TEMPERATURE LAT LEAVING AIR TEMPERATURE LAT LEAVING WATER TEMPERATURE MAX. MAXIMUM MCA MINIMUM CURRENT AMPS. MOCP MAX. OVER CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH. MECHANICAL MFR. MANUFACTURER MIN. MINIMUM MYD MANUAL VOLUME DAMPER NC NOISE CRITERIA NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK. NECK DIMENSION NO. NUMBER OA OUTSIDE AIR OAR OWNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER OR ORIGINAL PRESS. PRESSURE RA RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RT. PANEL PRESS. PRESSURE RA RETURN AIR GRILLE RD. RADIUS SERS SENSIBLE SPENS SENSIBLE WE THE MATER WAS MATER PRESSURE (IN. M.G.) UNIT HEATER UNO UNLESS NOTED OTHERWISE VY VOLT VAY VARIABLE AIR VALVE VEL. VELOCITY WHO MATER PRESSURE DROP WPG MATER WAS MATER PRESSURE DROP WPG MATER PRESSURE DROP WPG MATER WAS MATER PRESSURE DROP WPG MATER PRESSURE DROP | GFI | GROUND FAULT INTERRUPTER |
| HP HORSE POWER HPU HEAT PUMP UNIT HR. HOUR(S) HT. HEIGHT HTG. HEATING HTR. HEATER HVAC HEAT, VENT AND AIR CONDITIONING HWP HOT WATER PUMP HX HEAT EXCHANGER HZ. FREGUENCY (HERTZ) ID INSIDE DIAMETER OR DIMENSION III. INCHES KW KILOWATT HOUR LAT LEAVING AIR TEMPERATURE LAT LEAVING AIR TEMPERATURE LAT LEAVING WATER TEMPERATURE MAX. MAXIMUM MCA MINIMUM CURRENT AMPS. MCCA MINIMUM CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH, MECHANICAL MFR, MANDFACTURER MIN. MINIMUM MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK. NECK DIMENSION NO. NUMBER OA OUTSIDE AIR OA OUTSIDE DIAMETER ORIG, ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLANE PLANE RAG RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RT. RAG RETURN AIR GRILLE SAG SUPPLY AIR GRILLE SP STATIC PRESSURE SP STATIC PRESSURE SP STATIC PRESSURE (IN. M.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAL VARIABLE AIR VALVE VEL. VELOCITY WAY WASTER FURGOF WPO WASTHERPROOF GFI | HD. | HEAD |
| HR. HOUR(S) HT. HEIGHT HTG. HEATING HTR. HEATER HVAC HEAT, VENT AND AIR CONDITIONING HWP HOT WATER PUMP HX HEAT EXCHANGER HZ. FREQUENCY (HERTZ) ID INSIDE DIAMETER OR DIMENSION IN. INCHES KW KILONATT HOUR LAT LEAVING AIR TEMPERATURE LAT LEAVING AIR TEMPERATURE LAT LEAVING WATER TEMPERATURE MAX. MAXIMUM MCA MINIMUM CURRENT AMPS. MCCP MAX. OVER CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH. MECHANICAL MFR. MANUFACTURER MIN. MINIMUM MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK NECK DIMENSION NO. NUMBER OA OLITSIDE AIR CAR OWNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER ORIG, ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG, PLUMBING PNL. PANEL PRESS, PRESSURE RA RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG SUPPLY AIR GRILLE SDC STAND ALONE DIGITAL CONTROLLER SEER SEASON ENERGY EFFICIENCY RATIO UNO UNLESS NOTED OTHERWISE Y YOLT WAY VARIABLE AIR YALYE YEL YEL YELCCITY W WATT W/ WITH W/ WITH W/ WITH W/ WITH W/ WITH W/ WATER PRESSURE DROP WPG WEATHERPROOF GFI | HP | HORSE POWER |
| HTG. HEATING HTR. HEATER HVAC HEAT, VENT AND AIR CONDITIONING HWP HOT WATER PUMP HX HEAT EXCHANGER HZ. FREGUENCY (HERTZ) ID INSIDE DIAMETER OR DIMENSION IN. INCHES KW KILONATT KWH LEAVING AIR TEMPERATURE LAT LEAVING AIR TEMPERATURE LAT LEAVING AIR TEMPERATURE MAX. MAXIMUM MCA MINIMUM CURRENT AMPS. MCCP MAX. OVER CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH. MECHANICAL MFR. MANUPACTURER MIN. MINIMUM MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK. NECK DIMENSION NO. NUMBERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER OD OUTSIDE DIAMETER OD OUTSIDE DIAMETER OD OUTSIDE DIAMETER RAG RETURN AIR RAG RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG RETURN AIR GRILLE SDC STAND ALONE DIGITAL CONTROLLER SPSS, SENSIBLE SP SEASON ENERGY EFFICIENCY RATIO SERR. REFERENCE SER SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE SP STATIC PRESSURE (IN. W.G.) UNIT HEATER UNO UNLESS NOTED OTHERWISE VY VOLT WAY VARIABLE AIR VALVE VELOCITY W WATT W/ WITH W/ WITH W/ WITH W/ WITH W/ WITH W/ WATER PRESSURE DROP WIPG WEATHERPROOF GFI | HR. | HOUR(S) |
| HVAC HEAT, VENT AND AIR CONDITIONING HWP HOT WATER PUMP HX HEAT EXCHANGER HZ. FREGUENCY (HERTZ) ID INSIDE DIAMETER OR DIMENSION IN. INCHES KW KILOWATT HOUR LAT LEAVING AIR TEMPERATURE LWT LEAVING MATER TEMPERATURE HWAX. MAXIMUM MCA MINIMUM CURRENT AMPS. MCCP MAX. OVER CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH. MECHANICAL MFR. MANUFACTURER MIN. MINIMUM MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK NECK DIMENSION NO. NUMBER OA OLYSIDE AIR OAR ONNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER ORIG. ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POMERED MIXING BOX PLBG. PLUMBING PNL. RAPIUS RE. REFERENCE RAA RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR GRILLE SPES SAS SUPPLY AIR GRILLE SPES SEASON ENERGY EFFICIENCY RATIO SENS, SENSIBLE SP STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAY VARIABLE AIR VALVE VELOCITY W WATT W/ WITH W/O WITHOUT N.G. WATER GUAGE WBP WEATHERPROOF WPG WEATHERPROOF GFI | HTG. | HEATING |
| HX HEAT EXCHANGER HZ. FREQUENCY (HERTZ) ID INSIDE DIAPIETER OR DIMENSION IIN. INCLES KW KILOWATT KWH KILOWATT HOUR LAT LEAVING MATER TEMPERATURE LAT LEAVING MATER TEMPERATURE LAT LEAVING WATER TEMPERATURE MAX. MAXIMUM MCA MINIMUM CURRENT AMPS. MOCP MAX. OVER CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH. MECHANICAL MIN. MINIMUM MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK. NECK DIMENSION NO. NUMBER OA OUTSIDE AIR OAR OHNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER OD OUTSIDE DIAMETER ORIG. ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG. PLUMBING PNL. PANEL RAG RETURN AIR GRILLE RPESS. PRESSURE RA RETURN AIR GRILLE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG SUPPLY AIR SAG SUPPLY AIR SAG SUPPLY AIR SAG SUPPLY AIR GRILLE SEER SEASON ENERGY EFFICIENCY RATIO SEER SEASON ENERGY EFFICIENCY RATIO SEER SEASON ENERGY EFFICIENCY RATIO SENS, SENSIBLE SP STATIC PRESSURE GO. SQUARE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. M.G.) UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAY VARIABLE AIR VALVE VEL VELOCITY W MATTH W/O MITHOUT M/G, MATER GUAGE MB MET BULB MPP. WEATHERPROOF MPD WATER PRESSURE DROP MPG MEATHERPROOF GFI | HVAC | HEAT, VENT AND AIR CONDITIONING |
| IID INSIDE DIAMÉTER OR DIMENSION IN. INCHES KM KILOWATT KWH KILOWATT HOUR LAT LEAVING AIR TEMPERATURE LAT LEAVING WATER TEMPERATURE LAT LEAVING WATER TEMPERATURE MAX. MAXIMUM MCA MINIMUM CURRENT AMPS. MOCP MAX. OVER CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH. MECHANICAL MFR. MANUFACTURER MIN. MINIMUM MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK NECK DIMENSION N/O. NUMBER OA OUTSIDE AIR OAR OWNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER OD OUTSIDE DIAMETER ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG. PLUMBING PNIL. PANEL PRESS. PRESSURE RA RETURN AIR GRILLE RP. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR GRILLE SER SEASON ENERGY EFFICIENCY RATIO SEER SEASON ENERGY EFFICIENCY RATIO UNIL ESS NOTED OTHERWISE VY VOLT VALUE WATTH W/O WITHOUT M/G. WATER GUAGE WIP. WAEATHERPROOF WIPD WAEATHERPROOF | HX | HEAT EXCHANGER |
| KWI KILOWATT HOUR LAT LEAVING AIR TEMPERATURE LAT LEAVING WATER TEMPERATURE LWT LEAVING WATER TEMPERATURE MAX. MAXIMUM MCA MINIMUM CURRENT AMPS. MCCP MAX. OVER CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH. MECHANICAL MFR. MANUFACTURER MIN. MINIMUM MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK NECK DIMENSION NO. NUMBER OA OUTSIDE AIR OAR OWNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER ORIG, ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG, PLUMBING PNL. PANEL PRESS, PRESSURE RA RETURN AIR GRILLE RDD. RADIUS RE. REFERNCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT RTU ROOF TOP RTURN ROOF TOP RTURN RATER RTURN RATER RTURN ROOF TOP RTURN RATER RTURN ROOF TOP RTURN RATER RTURN ROOF TOP ROOF TOP RTURN R | ID | INSIDE DIAMETER OR DIMENSION |
| LIMT LEAVING WATER TEMPERATURE MAX. MAXIMUM MCA MINIMUM CURRENT AMPS. MCCP MAX. OVER CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH. MECHANICAL MIRR. MANUFACTURER MIN. MINIMUM MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK NECK DIMENSION NO. NUMBER OA OUTSIDE AIR OAR OWNERS AUTHORIZED REPRESENTATIVE OBD OPOSED BLADE DAMPER OD OUTSIDE DIAMETER ORIG. ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG. PLUMBING PNL. PANEL PRESS, PRESSURE RA RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR GRILLE SPC STAND ALONE DIGITAL CONTROLLER SEER SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE SP STATIC PRESSURE T.S.P. TOTAL STATER TEMP. TEMPERATURE T.S.P. TOTAL STATER T.M. WITH W/O WITHOUT W. WATT W. WATT W. WATT W. WATT M. WATT M. WATT M. WATT M. WATTER GUAGE WAP. WAETHERPROOF WPD WATER PRESSURE DROP WPG WEATHERPROOF WPG WEATHERPROOF | KW | |
| MAX. MAXIMUM MCA MINIMUM CURRENT AMPS. MCCP MAX. OVER CURRENT PROTECTION MBH 1000 BTU PER HOUR MECH. MECHANICAL MIR. MINIMUM MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK NECK DIMENSION NO. NUMBER OA OUTSIDE AIR OAR OMNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER OD OUTSIDE DIAMETER ORIG. ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG. PLUMBING PNL. PANEL PRESS, PRESSURE RA RETURN AIR GRILLE RP. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR GRILLE SER SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STARTER TEMP. WALTHER PROOF WPD WATER PRESSURE DROP WPG WEATHER PROOF | LAT | LEAVING AIR TEMPERATURE LEAVING WATER TEMPERATURE |
| MBH 1000 BTU PER HOUR MECH. MECHANICAL MIR. MANUFACTURER MIN. MINIMUM MYD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK NECK DIMENSION NO. NUMBER OA OUTSIDE AIR OAR OWNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER OD OUTSIDE DIAMETER ORIG. ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG. PLUMBING PNL. PANEL PRESS. PRESSURE RA RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG SUPPLY AIR GRILLE SEER SEASON ENERGY EFFICIENCY RATIO UN UNIT HEATER TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER TIS.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER TIS.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER TIS.P. TOTAL STATIC PRESSURE (IN. W.G.) UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY W MATT W/ WITH W/O WITHOUT W.G. WATER GUAGE WB WEATHERPROOF WPG WEATHERPROOF | MCA | MINIMUM CURRENT AMPS. |
| MFR. MANUFACTURER MIN. MINIMUM MVD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK NECK DIMENSION NO. NUMBER OA OUTSIDE AIR OAR OWNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER OD OUTSIDE DIAMETER ORIG. ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG. PLUMBING PNL. PANEL PRESS, PRESSURE RA RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG SUPPLY AIR GRILLE SDC STAND ALONE DIGITAL CONTROLLER SERS SEASON ENERGY EFFICIENCY RATIO SEER SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY W MATT W/ WITH W/O MITHOUT W.G. MATER GUAGE WBP MEATHERPROOF GFI | | 1000 BTU PER HOUR |
| MVD MANUAL VOLUME DAMPER N/A NOT APPLICABLE NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK NECK DIMENSION NO. NUMBER OAR OWNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER OD OUTSIDE DIAMETER ORIG. ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG. PLUMBING PNL. PANEL PRESS, PRESSURE RA RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR GRILLE SPC STAND ALONE DIGITAL CONTROLLER SERS SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. M.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VELOCITY W MATT M/ MITH M/O MITHOUT M.G. WATER GUAGE WB MEATHERPROOF WPG WEATHERPROOF WPG WEATHERPROOF WPG WEATHERPROOF WPG WEATHERPROOF GET PRESSURE DROP WPG WEATHERPROOF WPG WEATHERPROOF GFI | MFR. | MANUFACTURER |
| NC NOISE CRITERIA NIC NOT IN CONSTRUCTION NK NECK DIMENSION NO. NUMBER OA OUTSIDE AIR OAR OWNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER OD OUTSIDE DIAMETER OD OUTSIDE DIAMETER ORIG. ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG. PLUMBING PNL. PANEL PRESS, PRESSURE RA RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG SUPPLY AIR GRILLE SER SEASON ENERGY EFFICIENCY RATIO SERS. SENSIBLE SP. STATIC PRESSURE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VALUE OF TOP UNIT W/ WITH W/ WITH W/ WITH W/ WITH W/ WITH W/ WITHOUT W.G. WATER GUAGE WB WEATHERPROOF WPG WEATHERPROOF | MVD | MANUAL VOLUME DAMPER |
| NK. NECK DIMENSION NO. NUMBER OA. OUTSIDE AIR OAR OWNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER OD OUTSIDE DIAMETER ORIG. ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG. PLUMBING PNL. PANEL PRESS. PRESSURE RA RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR GRILLE SDC STAND ALONE DIGITAL CONTROLLER SEER SEASON ENERGY EFFICIENCY RATIO SEER SEASON ENERGY EFFICIENCY RATIO SEER SEASON ENERGY EFFICIENCY RATIO SEEN STATIC PRESSURE SQ. SGUARE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAY VARIABLE AIR VALVE VEL. VELOCITY W WATT W/ WITHOUT W.G. WATER GUAGE WB WEATHERPROOF WPG WEATHERPROOF | NC | NOISE CRITERIA |
| OA OUTSIDE AIR OAR OWNERS AUTHORIZED REPRESENTATIVE OBD OPPOSED BLADE DAMPER OD OUTSIDE DIAMETER ORIG. ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG. PLUMBING PNL. PANEL PRESS. PRESSURE RA RETURN AIR RAG RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR GRILLE SDC STAND ALONE DIGITAL CONTROLLER SEER SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE SP STATIC PRESSURE SQ. SQUARE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY W WATTT W/ WITH W/O WITHOUT W.G. WATER GUAGE WB WEATHERPROOF WPG WEATHERPROOF | NK | NECK DIMENSION |
| OBD OPPOSED BLADE DAMPER OD OUTSIDE DIAMETER ORIG. ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG. PLUMBING PNL. PANEL PRESS. PRESSURE RA RETURN AIR RAG RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG SUPPLY AIR GRILLE SDC STAND ALONE DIGITAL CONTROLLER SEER SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE SP STATIC PRESSURE SG. SGUARE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAY VARIABLE AIR VALVE VEL. VELOCITY W WATT W/ WITH W/O WITHOUT W.G. WATER GUAGE WB WEATHERPROOF WPG WEATHERPROOF WPG WEATHERPROOF GFI | OA | OUTSIDE AIR |
| ORIG. ORIGINAL P.D. PRESSURE DROP (FT) PH. PHASE PMB POWERED MIXING BOX PLBG. PLUMBING PNL. PANEL PRESS. PRESSURE RA RETURN AIR RAG RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR GRILLE SDC STAND ALONE DIGITAL CONTROLLER SEER SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE SP STATIC PRESSURE SQ. SQUARE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAY VARIABLE AIR VALVE VEL. VELOCITY W WATT W/ WITH W/O WITHOUT W.G. WATER GUAGE WB WEATHERPROOF WPG WEATHERPROOF GFI | OBD | OPPOSED BLADE DAMPER |
| PH. PHASE PMB POWERED MIXING BOX PLBG. PLUMBING PNL. PANEL PRESS. PRESSURE RA RETURN AIR RAG RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG SUPPLY AIR GRILLE SDC STAND ALONE DIGITAL CONTROLLER SEER SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE SP STATIC PRESSURE SQ. SQUARE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY W WATT W/ WITH W/O WITHOUT W.G. WATER GUAGE WB WEATHERPROOF WPD WATER PRESSURE DROP WPG WEATHERPROOF GFI | ORIG. | ORIGINAL |
| PLBG. PLUMBING PNL. PANEL PRESS. PRESSURE RA RETURN AIR RAG RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG SUPPLY AIR GRILLE SDC STAND ALONE DIGITAL CONTROLLER SEER SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE SP STATIC PRESSURE SQ. SQUARE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY W MATT W/ WITH W/O WITHOUT W.G. MATER GUAGE WED WEATHERPROOF WPD WATER PRESSURE DROP WPG WEATHERPROOF GFI | PH. | PHASE |
| PRESS. PRESSURE RA RETURN AIR RAG RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG SUPPLY AIR GRILLE SDC STAND ALONE DIGITAL CONTROLLER SEER SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE SP STATIC PRESSURE SQ. SQUARE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY W WATT W/ WITHOUT W.G. WATER GUAGE WB WET BULB WP. WEATHERPROOF WPD WATER PRESSURE DROP WPG WEATHERPROOF GFI | PLBG. | PLUMBING |
| RAG RETURN AIR GRILLE RD. RADIUS RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG SUPPLY AIR GRILLE SDC STAND ALONE DIGITAL CONTROLLER SEER SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE SP STATIC PRESSURE SQ. SQUARE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY W WATTT W/ WITH W/O WITHOUT W.G. WATER GUAGE WB WEATHERPROOF WPD WATER PRESSURE DROP WPG WEATHERPROOF GFI | PRESS. | PRESSURE |
| RE. REFERENCE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG SUPPLY AIR GRILLE SDC STAND ALONE DIGITAL CONTROLLER SEER SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE SP STATIC PRESSURE SQ. SQUARE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY W WATT W/ WITH W/O WITHOUT W.G. WATER GUAGE WB WET BULB WP. WEATHERPROOF WPD WATER PRESSURE DROP WPG WEATHERPROOF GFI | RAG | RETURN AIR GRILLE |
| RTU ROOF TOP UNIT S/S SINGLE SPEED MOTOR S/S/S START/STOP/STATUS SA SUPPLY AIR SAG SUPPLY AIR GRILLE SDC STAND ALONE DIGITAL CONTROLLER SEER SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE SP STATIC PRESSURE SQ. SQUARE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY W WATT W/ WITH W/O WITHOUT W.G. WATER GUAGE WB WET BULB WP. WEATHERPROOF WPG WEATHERPROOF GFI | RE. RPM | REFERENCE REVOLUTIONS PER MINUTE |
| S/S/S START/STOP/STATUS SA SUPPLY AIR SAG SUPPLY AIR GRILLE SDC STAND ALONE DIGITAL CONTROLLER SEER SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE SP STATIC PRESSURE SQ. SQUARE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY W WATT W/ WITH W/O WITHOUT W.G. WATER GUAGE WB WET BULB WP. WEATHERPROOF WPD WATER PRESSURE DROP WPG WEATHERPROOF GFI | RTU S/S | SINGLE SPEED MOTOR |
| SAG SUPPLY AIR GRILLE SDC STAND ALONE DIGITAL CONTROLLER SEER SEASON ENERGY EFFICIENCY RATIO SENS. SENSIBLE SP STATIC PRESSURE SQ. SQUARE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY W WATT W/ WITH W/O WITHOUT W.G. WATER GUAGE WB WET BULB WP. WEATHERPROOF WPD WATER PRESSURE DROP WPG WEATHERPROOF GFI | S/S/S SA | SUPPLY AIR |
| SENS. SENSIBLE SP STATIC PRESSURE SQ. SQUARE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY W WATT W/ WITH W/O WITHOUT M.G. WATER GUAGE WB WET BULB WP. WEATHERPROOF WPG WEATHERPROOF GFI | SDC | SUPPLY AIR GRILLE STAND ALONE DIGITAL CONTROLLER |
| SQ. SQUARE STR. MOTOR STARTER TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY W WATT W/ WITH W/O WITHOUT W.G. WATER GUAGE WB WET BULB WP. WEATHERPROOF WPG WEATHERPROOF GFI | SENS. | SENSIBLE |
| TEMP. TEMPERATURE T.S.P. TOTAL STATIC PRESSURE (IN. W.G.) UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY W WATT W/ WITH W/O WITHOUT W.G. WATER GUAGE WB WET BULB WP. WEATHERPROOF WPD WATER PRESSURE DROP WPG WEATHERPROOF GFI | SQ. | SQUARE |
| UH UNIT HEATER UNO UNLESS NOTED OTHERWISE V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY M MATT M/ MITH M/O MITHOUT M.G. MATER GUAGE MB MET BULB MP. MEATHERPROOF MPD MATER PRESSURE DROP MPG MEATHERPROOF GFI | TEMP. | TEMPERATURE |
| V VOLT VAV VARIABLE AIR VALVE VEL. VELOCITY W MATT W/ MITH W/O MITHOUT W.G. MATER GUAGE WB MET BULB WP. MEATHERPROOF WPD MATER PRESSURE DROP WPG MEATHERPROOF GFI | UH | UNIT HEATER |
| VEL. VELOCITY W WATT W/ WITH W/O WITHOUT W.G. WATER GUAGE WB WET BULB WP. WEATHERPROOF WPD WATER PRESSURE DROP WPG WEATHERPROOF GFI | V | VOLT |
| W/ WITH W/O WITHOUT W.G. WATER GUAGE WB WET BULB WP. WEATHERPROOF WPD WATER PRESSURE DROP WPG WEATHERPROOF GFI | VEL. | VELOCITY |
| W.G. WATER GUAGE WB WET BULB WP. WEATHERPROOF WPD WATER PRESSURE DROP WPG WEATHERPROOF GFI | W/ | WITH |
| WP. WEATHERPROOF WPD WATER PRESSURE DROP WPG WEATHERPROOF GFI | W.G. | WATER GUAGE |
| WPG WEATHERPROOF GFI | WB WP. | WEATHERPROOF |
| XFIIR. I KANSFORMER | WPG | WEATHERPROOF GFI |
| _ | XPMR. | RAINDFURITER |

ANY PENETRATIONS OF A ONE OR TWO HOUR FIRE RATED WALL BY ANY MECHANICAL AND PLUMBING PIPING, DUCTWORK (WITHOUT FD/SD), CONTROLS CONDUIT OR CABLE MUST BE FIRE SEALED PER U.L. DETAILS ON THIS SHEET. REFER TO ARCH CODE REVIEW PLAN SHEET FOR EXACT LOCATIONS OF FIRE RATED WALLS.

PRODUCT SUBSTITUTIONS TRADE COORDINATION NOTE.

MECHANICAL CONTRACTOR SHALL BEAR ALL EXPENSES THAT OTHER TRADES INCUR AS A RESULT OF PHYSICAL MODIFICATIONS REQUIRED BY APPROVED ALTERNATE MECHANICAL EQUIPMENT OTHER THAN ORIGINALLY SPECIFIED OR SCHEDULED.

| | SOIL OR WASTE |
|------------------|--|
| SD | STORM |
| | VENT |
| | COLD WATER |
| | HOT WATER |
| | HOT WATERRECIRCULATION |
| | GAS |
| | CHILLED WATER SUPPLY/RETURN |
| | PRODUCTION CHILLED WATER SUPPLY/RETURN HOT WATER SUPPLY/RETURN |
| | CONDENSER WATER SUPPLY/RETURN |
| CS/R | REFRIGERANT SUCTION AND LIQUID LINES |
| R5/KL | REPRIGERANT SOUTHER AND ENGLISH ENTER |
| — ср—— | CONDENSATE DRAIN LINE |
| -/- - | LOW PRESSURE STEAM CONDENSATE |
| -// | MEDIUM PRESSURE STEAM CONDENSATE |
| -/// | HIGH PRESSURE STEAM CONDENSATE |
| | LOW PRESSURE STEAM SUPPLY (0 TO 15 PSIG) |
| | MEDIUM PRESSURE STEAM SUPPLY (15 TO 100 PSIG) |
| -///- | HIGH PRESSURE STEAM (ABOVE 100 PSIG) |
| ──⊠ | FLOAT AND THERM. TRAP |
| | BUCKET STEAM TRAP |
| <u>—</u> X— | GATE VALVE |
| | BALANCING VALVE (WITH PETE'S PLUG EITHER SIDE |
| ——•• ∞ | |
| | |
| | FIRE LINE |
| - | BRANCH LINE WITH SPRINKLER HEADS |
| 0 | FLOOR DRAIN |
| 0 | HUB DRAIN |
| D.S. | DOWN SPOUT |
| F.H.C. | FIRE HOSE CABINET |
| O v.t.r. | VENT THRU ROOF ROOF DRAIN |
| OR.D. | CHECK VALVE |
| | OS \$ Y VALVE |
| | GLOBE VALVE |
| <u>—×</u> — | BUTTERFLY VALVE |
| | BALL VALVE |
| | SOLENOID VALVE |
| - | PRESSURE REDUCING VALVE |
| | PRESSURE RELIEF VALVE |
| Ā | CONTROL, 2 WAY VALVE |
| & | CONTROL, 3 WAY VALVE |
| | STRAINER & BLOW OFF VALVE |
| 6 | PRESSURE GAUGE & COCK |
| | UNION OR COMPANION FLANGES |
| | PLUG VALVE |
| | THERMOMETER |
| | PRESSURE & TEMPERATURE TAP (PETES PLUG) |
| Ø | THERMOSTAT |
| (8) | HUMIDISTAT |
| © | FLOW METER |
| -× - | ANCHOR (PIPE) |
| - - | EXPANSION JOINT |
| 4 | MANUAL AIR VENT |
| f | AUTOMATIC AIR VENT |
| <u> </u> | HOSE END DRAIN |
| -+ | HOSE BIBB |
| | THERMOMETER & WELL |
| Φ, | TEMPERATURE SENSOR |
| | FLOW SWITCH |
| | PRESSURE SENSOR |

PRODUCT SUBMITTAL DATA NOTE.

THIS CONTRACTOR SHALL PREPARE AND PROVIDE ALL EQUIPMENT SUBMITTALS 30 DAYS

UPON RECEIPT OF THE SUBMITTAL DATA (THROUGH NORMAL CHANNELS), THE ENGINEER SHALL HAVE TEN (10) WORKING DAYS TO REVIEW THE DATA FOR COMPLIANCE.
MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL MOUNTING AND SERVICE CLEARANCES WITH ARCHITECTURAL/ENGINEER DOCUMENTS PRIOR TO SUBMISSION OF ANY PRODUCT SUBMITTED OTHER THAN SCHEDULED MANUFACTURER.

PRODUCT SUBSTITUTIONS NOTE:

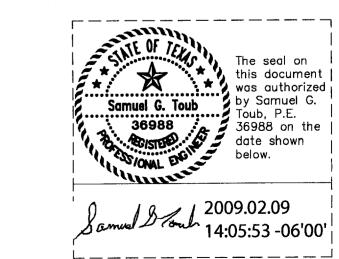
REQUEST FOR SUBSTITUTIONS OF PRODUCTS NOT LISTED IN THE SCHEDULES OR SPECIFICATIONS WILL ONLY BE CONSIDERED DURING THE PERIOD OF PRIOR TO TEN (10) DAYS BEFORE THE BID DATE. SUBSEQUENT REQUESTS WILL BE CONSIDERED ONLY IN CASE OF PRODUCT UNAVAILABILITY OR OTHER CONDITIONS BEYOND CONTROL OF THE CONTRACTOR. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL MOUNTING AND SERVICE CLEARANCES WITH ARCHITECTURAL/ENGINEER DOCUMENTS PRIOR TO SUBMISSION OF ANY PRODUCT SUBSTITUTION REQUEST.

MEP GENERAL NOTES: (TYPICAL FOR PROJECT)

- 1. THE CONTRACTOR SHALL VISIT THE PREMISES TO THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL DETAILS OF THE WORK, WORKING CONDITIONS, AND VERIFY ALL DIMENSIONS IN THE FIELD. ALSO, THE CONTRACTOR SHALL ADVISE THE ARCHITECT, ENGINEER AND THE OWNER OF ANY DISCREPANCY BEFORE PERFORMING ANY WORK.
- 2. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE CONTRACT DOCUMENTS AND APPLICABLE CODES AND STANDARDS AS DICTATED BY THE AUTHORITY HAVING JURISDICTION. SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH THE REQUIREMENTS OF APPLICABLE CODES AND STANDARDS, THE CONTRACTOR SHALL BEAR ALL COSTS ARISING IN CORRECTING SUCH DEFECT. APPLICABLE CODES AND STANDARDS SHALL INCLUDE ALL ORDINANCES, UTILITY COMPANY REGULATIONS, AND APPLICABLE REQUIREMENTS OF NATIONAL, STATE, LOCAL CODES, AND STANDARDS.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CONTROLS THAT WILL COMPLETELY ACCOMPLISH THE IMPLIED OR INTENDED FUNCTIONS OF THE CONTROL SYSTEM AS SHOWN ON PLANS OR INDICATED IN THE SPECIFICATIONS.
- 4. CONNECTIONS TO AND SHUTDOWNS ON EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER TO ALLOW MINIMUM INTERFERENCE WITH OWNER'S OPERATION AND DOWNTIME OF EXISTING SERVICES. CONTRACTOR SHALL SUBMIT TO OWNER FOR REVIEW AND APPROVAL THE PROPOSED PHASING PLAN FOR CONNECTING NEW SERVICES TO EXISTING SERVICES.
- 5. ALL EXISTING SYSTEMS EQUIPMENT AND MATERIALS WITHIN REMODEL AREA OF BUILDING, EXCEPT WHERE NOTED ON MEP DOCUMENTS TO CHANGE, SHALL BE LEFT INTACT AND OPERATIONAL.
- 6. PATCH FLOORS, WALLS, CEILINGS, ETC. TO MATCH EXISTING CONDITIONS WHERE CUTTING IS REQUIRED.

MEP GENERAL NOTES: (TYPICAL FOR PROJECT)

- 7. IN AREAS WHERE EXISTING CONSTRUCTION IS REMOVED AND NO ADDITIONAL CONSTRUCTION IS INDICATED, PATCH EXISTING ADJACENT CONSTRUCTION TO
- 8. AN INDEPENDENT CERTIFIED BALANCING OF WATER AND AIR SYSTEMS SHALL BE PROVIDED UNDER THIS CONTRACT FOR ALL SYSTEMS WITHIN DEMOLITION/NEW CONSTRUCTION BOUNDARIES AND ADJACENT AREAS THAT
- MAY BE AFFECTED BY BALANCING FOR THE PROJECT. INDICATES EXISTING DUCTWORK, PIPING AND EQUIPMENT TO BE
- INDICATES CONNECT NEW TO EXISTING.
- indicates existing to remain.
- INDICATES NEW DUCTWORK, PIPING, AND EQUIPMENT TO BE ADDED.
- INDICATES NEW DUCTWORK, PIPING AND EQUIPMENT ON ROOF, BELOW SLAB OR BELOW GRADE.
- INDICATES EXISTING EQUIPMENT WHICH IS RELOCATED TO A NEW POSITION AND REUSED.
- INDICATES A CONNECTION POINT OF NEW DUCTWORK, PIPING, ETC. TO AN EXISTING SYSTEM. ALL EXISTING SYSTEM LOCATIONS SHALL BE FIELD VERIFIED.
- 16. INDICATES EXISTING DUCT OR TAPS WHICH SHALL BE CAPPED AIRTIGHT AND FLUSH (I.E.: MASTIC SEALED INSULATED GALVANIZED SHEET METAL DUCT PATCH) TO EXISTING DUCTWORK.
- 17. ALL DUCTWORK IS SHOWN IN SCHEMATIC FORM. DUCT RISES AND DROPS ARE NOT SHOWN. PROVIDE OFFSETS AS REQUIRED TO MEET SPACE REQUIREMENTS AND TO AVOID INTERFERENCE WITH OTHER TRADES. EACH TRADE SHALL BE RESPONSIBLE FOR COORDINATION WITH OTHER TRADES.
- 18. PIPING IS SHOWN IN SCHEMATIC FORM. ROUTE PIPING AS REQUIRED FOR CLEARANCE WITH STRUCTURAL CONDITIONS. COORDINATE WITH OTHER TRADES AS REQUIRED. PIPING SHALL BE INSTALLED WITH ADEQUATE SLOPE AS REQUIRED FOR EACH PARTICULAR SYSTEM, AND PARRELLED OR PERPENDICULAR TO BUILDING LINES.
- 19. FIRE PROTECTION SHALL BE PER NFPA 13 AND ALL OTHER APPLICABLE SECTIONS. FP PIPE SHALL NOT BE ROUTED BENEATH SUSPENDED MECH.
- 20. PROVIDE VIBRATION ISOLATOR FOR MOTOR-DRIVEN MECHANICAL EQUIPMENT.
- 21. PROVIDE FLEXIBLE DUCTWORK CONNECTIONS AT EQUIPMENT
- 22. DUCTWORK AND ITS CONSTRUCTION WILL BE GALVANIZED G-90 SHEET METAL AND CONSTRUCTED ACCORDING TO THE LATEST SMACNA STANDARDS.
- 23. ROUND FLEXIBLE SUPPLY DUCTWORK TO DIFFUSERS SHALL NOT EXCEED 5'-0" IN LENGTH.
- 24. DUCTWORK SIZES SHOWN ON PLANS ARE CLEAR AIR STREAM DIMENSIONS.
- 25. PROVIDE RIGID METAL DUCT (WITH NO EXCEPTION) WHERE FIRE WALLS ARE PENETRATED. PROVIDE APPROVED FIRE CAULK EITHER SIDE OF WALL.
- 26. PROVIDE PROBE SMOKE DETECTORS IN THE SUPPLY AIR DUCTWORK AND RETURN AIR DUCTWORK PRIOR TO MIXING WITH THE OUTSIDE AIR FOR ALL AIR HANDLING EQUIPMENT. HARDWIRE TO THE MOTOR STARTER AUXILIARY CONTACTS TO SHUT DOWN THE UNIT UPON DETECTION
- 27. MECHANICAL CONTRACTOR SHALL COORDINATE DUCT RUN OUTS EXACTLY OVER THE TOP OF THE SA/RA/EA AIR DEVICES (I.E.: WITHOUT ANY FLEX CRIMPS OR RADICAL TRANSITIONS) WITH THE ARCHITECT'S REFLECTIVE CEILING PLAN, GRIDS, AND THE CEILING SUPPLIER.
- 28. ALL NON-ACTIVE PORTIONS OF CONTINUOUS SLOTS SHALL REMAIN OPEN (WITH RETURN AIR BOOT) TO CEILING PLENUM FOR RETURN AIR BOOT.
- 29. PROVIDE DOUBLE WALL TURN VANES FOR ALL 90 DEGREE DUCT FITTINGS AND SINGLE WALL TURN VANES FOR DUCT FITTINGS LESS THAN 90 DEGREE AND GREATER THAN 30 DEGREE OR VARIED INTAKE/DISCHARGE AREAS. (SUPPLY, RETURN, OUTSIDE, EXHAUST, RELIEF, HORIZONTAL AND FITTINGS.) NO TURN VANES WITHIN GREASE HOOD EXHAUST DUCTWORK FITTINGS.
- 30. FINISH ALL EXPOSED TO VIEW DUCTWORK AND WALL LOUVERS PER ARCHITECTS RECOMMENDATIONS.
- PROVIDE MANUAL VOLUME DAMPERS WITH YOUNG REGULATORS AND CONCEALED OPERATOR COVERS FOR GYPSUM BOARD OR NON ACCESSIBLE CEILINGS. PAINT COVERS TO MATCH THE CEILING.
- 32. PROVIDE 1" ACOUSTIC (3 P.C.F.) DENSITY INTERNAL DUCT LINER (15'-0" MINIMUM) DOWNSTREAM OF AC UNIT IN SUPPLY AND RETURN AIR DUCTWORK. INSULATE EXTERNALLY ALL LINED AND UNLINED DUCTS (NEW OR EXISTING) WITH 2" (3/4 P.C.F.) DENSITY GLASS FIBER WRAP WITH HEAVY DUTY FOIL -SCRIM KRAFT FACING.
- 33. THERMOSTAT, TEMPERATURE SENSOR, SWITCH LOCATIONS AND WALL ELEVATIONS SHALL BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
- CONDENSATE PIPING DOWN TO A PLUMBING FIXTURE SHALL BE FULLY INSULATED WITHIN WALL. PROVIDE ESCUTCHEON PLATE AT WALL. PIPING SHALL NOT BE ROUTED EXPOSED TO VIEW.
- 35. PRESSURIZED LIQUID, GAS, AIR SYSTEM PIPE AND ELECTRICAL CONDUIT SHALL NOT BE ROUTED BENEATH ANY SUSPENDED EQUIPMENT. FIRE PROTECTION, ELECTRICAL AND MECHANICAL CONTRACTORS SHALL COORDINATE TRADES.
- 36. ALL REMOTE MOUNTED DISCONNECT SWITCHES FOR MECHANICAL EQUIPMENT SHALL HAVE ENGRAVED PHONETIC PLASTIC I.D. NAME PLATES.
- 37. PIPING ON ROOF CONTRACTOR SHALL PROVIDE ROOF PIPE SUPPORTS ON 10'-0" CENTERS, EACH CHANGE IN DIRECTION, EACH ROOFTOP UNIT AND EACH PIPE PENETRATION THROUGH ROOF.
- 38. EQUIPMENT ROOF CURBS SHALL BE CONSTRUCTED TO MATCH ROOF SLOPE AND MAINTAIN A LEVEL NAILER AT EQUIPMENT PLACEMENT SURFACE. MC SHALL VERIFY THAT THE ROOFTOP EQUIPMENT IS LEVEL.



S. Toub & Associates Inc.

13641 Omega Road, Dallas, Texas 75244 972/386-5629 © COPYRIGHT 2008

merriman associates architecture · planning interior design

300 N. FIELD ST.

DALLAS, TEXAS 75202 214.987.1299

214.987.2138 (FAX)

AMERICAN PROGRAMMA

PERMITARY S, 2009 MINNEY MANAGE NOTES, SYMMOLS

ANNEVIATION

DIVISION 15A

HEATING, COOLING, VENTILATING

1. GENERAL

Contractor shall provide all items of labor and materials required to make a complete installation of mechanical work shown on drawings, specified, or as required for properly operating systems, which shall include but shall not be limited to:

- A. Ventilating, heating and cooling equipment.
- B. Ductwork
- C.Insulation.
- D. Temperature Control(s).

3.DEMOLITION AND RELOCATION

- A. Modify, remove or relocate materials and items indicated on the Drawings or required by the installation of new facilities.
- B. Remove demolition materials from the site.
- C. Repair and restore to good functional condition, equipment, materials, and items scheduled for relocation, which are damaged during dismantling or reassembly operations.

4.TEMPORARY AIR FILTRATION

- A. All return, transfer and exhaust air grille and openings shall be covered with 1/2" thick (min.) form temporary filter media during the entire course of construction to protect ductwork, plenums, and air handing devices from construction dust and debris.
- B. Filter media shall be changed regularly during the course of construction to prevent filter loading and to maintain the efficiency of filtration.
- C. Filter media shall be attached in such a manner to prevent leakage and by-pass.

5.HVAC EQUIPMENT & DUCTWORK

- A. Furnish and install heating, cooling and ventilating equipment as shown and as scheduled on drawings, complete with thermostat(s), firestat(s), smoke detector(s) and controls as scheduled or shown on the drawings.
- B. Furnish, install and connect complete ductwork system of supply, return, exhaust, and related items of connection as shown on drawings. Ductwork shall be galvanized steel sheet formed and fitted according to the standards of the latest editions of the ASHRAE Guide and S.M.A.C.N.A. Manual for duct systems, and shall be insulated as specified under "Acoustic Duct Linings and Insulation." At the contractors option, Round Snap-Lock ductwork can be installed in lieu of rectangular The contractor shall seal all joints and seams. The contractor shall submit sheet metal shop drawings, Double Line, for review before fabrication.
- C. Exhaust ductwork shall be unlined code-gauge steel.
- E. Flexible ductwork for connection between ceiling diffusers and air supply duct shall be a factory fabricated assembly consisting of an inner sleeve insulation and a moisture barrier jacket. The duct shall be non-collapsing flat spiral steel re-inforced and shall meet UL-181 Standards as Class! Duct and shall comply with NFPA Standard #90A. Duct shall be the product of Flexmaster or equal. Lengths of flexible duct shall not exceed 5'-0" and shall be installed with a minimum of turns or bending, flexiable duct shall be secured using locking steel screw-type clamps.

6.INSULATION

- A. Pipe Insulation: (cold and hot water piping): Johns-Manville Flame-Safe glass fiber pipe insulation with ASJ pre-sized glass cloth vapor barrier jacket. VB reinforced foil-kraft vapor barrier jacket in concealed areas.
- B. All liquid piping where exposed to weather, furnish and install MLK jacket metal locking jacket consisting of 0.016 inch thick embossed aluminum with 3 mil high density polyethylene vapor barrier film: Furnished pre-rolled and pre-cut with self locking longitudinal joint, requiring no screws, rivets or bands for installation. Fittings shall be covered with two piece of 0.028 or 0.024 inch thick stamped fitting covers. Installation shall be made with vapor barrier cement to result in waterproof, weatherproof finish: Pipe shall be wrapped with thermostatically controlled electric heat tape as shown to prevent freezing to 0° F.
- C. Condensate Drain Pipe and Refrigerant Pipe Insulation: Armstrong Cork Company fire-retardant Armaflex foamed plastic insulation: Joints sealed with 520 adhesive. Coat insulation with UV resistant paint per manufacturer's recommendation when exposed to sunlight.
- D. Duct insulation external: Certainteed-St.Gobain Standard Duct Wraptype IV 2" thick glass fiber insulation with heavy duty Foil-Scrim Kraft facing, 1.5 P.C.F. density. Knauf acceptable
- E. Duct and equipment insulation internal: Manville Schuller PERMACOTE Density Glass Fiber Duct Liner 1-1/2" thick with a C factory of 0.25 max., 3.0 P.C.F. bonded with thermo-resin

exterior binder and an acrylic coating with an anti-microbial growth agent. Option-Imoca Polyethylene close cell foam insulation sheets of the same thickness.

- F. Vapor Barrier Adhesive: Benjamin Foster 30-35 or approved equal.
- G. Insulation and Finishing Cement: Johns-Manyille 375.
- H. Adhesive for Pipe Insulation Jackets: Johns-Manville VBT or U-Glue Vapor barrier adhesive
- I. Installation shall be in accordance with manufacturer's recommendations. Vapor-seal all butts, joints # laps.

DIVISION ISA

HEATING, COOLING, VENTILATING

7. AIR DISTRIBUTION DEVICES

- Grilles, registers, and ceiling diffusers shall be TITUS, METALAIRE, OR PRICE as scheduled on the drawings and shall be furnished with sponge rubber or soft felt gaskets. If equipment of other manufacturer than that scheduled is submitted, the substitute equipment shall be checked for equal performance, equal or lower noise level, suitable face velocity, throw and pressure drop.
- A. Locations of ceiling outlets on drawings are approximate and shall be coordinated with other trades to make symmetrical patterns, or pattern established by the Architect's reflected ceiling plan. The outlets shall be furnished with frame styles, deflecting device, dampers, and other accessories as shown on the schedule.
- B. Each supply air ceiling diffuser shall be equipped with an adjustable air extractor, adjustable splitter damper, or "Thermaflair" Type TD bell mouth tap and a locking type butterfly damper. Provide a manual opposed blade balancing damper in duct at fan unit outlet, or each outlet if multizone.

Filters shall be 2" throw-away Farr 30/30, or equal, or as scheduled on drawings. Factory filters shall be used during construction and testing. Just prior to final inspection, replace factory filters with new filters. Installation of equipment shall be made in a manner that will not impede access to filters.

9. AUTOMATIC TEMPERATURE CONTROLS

The Mechanical Contractor shall furnish complete controls system consisting of mounted program able thermostats having 7-days capability and c02 sensors. The Electrical Contractor shall furnish and install, as part of the electrical contract, all labor, wire and other material and equipment required to complete the installation of the temperature control system in exact accordance, physically and electrically, with wiring diagrams, and instructions furnished by the temperature control supplier. Wiring shall also conform to the applicable requirements of the electrical division of these specifications as to quality of workmanship, materials, and other requirements.

10. BALANCING & ADJUSTING

Contractor shall retain an 'NEBB' certified agency and acceptable to the A/E and owner and shall balance the air and water side of new systems (and existing systems if affected) to design quantities and shall perform additional balancing that may be required to adjust system performance to the peculiarities of occupancy, use and construction. All necessary adjustments to automatic temperature and control systems, heating and air conditioning equipment and other such devices or equipment, shall be made and systems left in first class operating condition.

A. Air and Water balance all systems and furnish the Architect/Owner with four copies of a certified Test and Balance Report.

DIVISION 15B PLUMBING

1. GENERAL

- A. Contractor shall furnish all labor and materials required for the complete installation of all plumbing work shown on the drawings, specified, or as required for properly operating systems. Work shall include but shall not be limited to the following:
- 1. Systems of sanitary, waste, vent, and drain piping.
- 2. Cold and hot water systems.

2. SANITARY WASTE & VENT SYSTEM

- A. Furnish and install complete system of waste and vent piping. Connect waste and vent lines to existing sanitary drain. Extend vent stack to building exterior.
- B. All waste and vent lines shall be cast iron, standard weight, Waste lines and traps not concealed in wall shall be chrome plated brass or copper.
- C. Joints shall be made using Tyler Pipe "TYSEAL" composition joint seals for cast iron.
- D. Floor drains, cleanouts and traps shall be Josam 30000A with nickel chrome top and deep seal P-trap or equal (Wade, Smith, Zurn). Cleanouts shall be floor type complete with access cover equal to Josann Y-320-FK. Provide a trap primer equal to Precision Plumbing Products or Sioux Chief at all floor

3.COLD # HOT WATER SYSTEMS

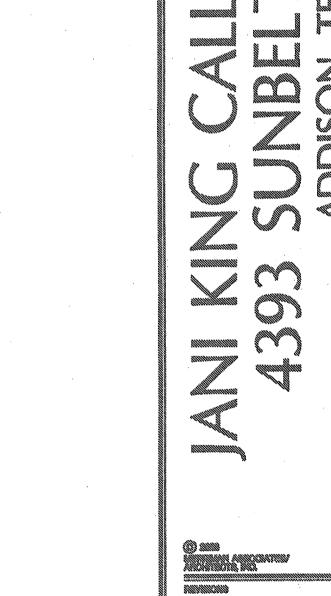
- A. Furnish and install complete systems of cold and hot water piping to serve each and every plumbing item, including equipment, using cold or hot water. Provide stop valve and riser drain valve near riser
- B. Pipe materials shall be Type "L" copper tubing with solder joint fittings, using 5% silver solder (Silver-Bright) and non-corrosive soldering flux for joint material. Exposed fixture branch piping shall be chrome plated brass or copper.
- C.Plumbing fixtures, complete with trim as scheduled on the plumbing equipment schedule.

DIVISION ISC

FIRE PROTECTION SYSTEM

- 1. Sprinkler Contractor shall furnish and install all materials, equipment, and services required for the modifications to and extension of the existing wet pipe automatic fire sprinkler system.
- 2. Contractor shall provide complete design and drawings in accordance with Pamphlet #13, NFPA, with approvals by the Architect, and all appropriate governing insurance rating boards and other ruling authorities.
- 3. Contractor shall furnish and install chrome finish sprinkler heads, schedule 40 black steel pipe to A.S.T.M. \$
- 4. Contractor shall submit required sepias or prints of drawings to Owner and obtain written approval before
- 5. System shall be thoroughly cleaned and pressure tested in accordance with the criteria established by Factory Mutual Engineering and the Industry Standards.
- 6. Include latching flow switch with manual reset in riser and connect to electric alarm.

A.S.A. standards, valves, and drains as required for complete system.



merriman associates

architecture · planning

300 N. FIELD ST.

DALLAS, TEXAS 75207

214.987.1299

214.987.2138 (FAX)

______ Samuel G. Toub 36988

2009.02.09 14:05:20 -06'00'

13641 Omega Road, Dallas, Texas 75244 972/386-5629

© COPYRIGHT 2008

this document was authorized by Samuel G.

Toub, P.E. ∡ 💋 36988 on the 🮜 date shown

ANCHORY, MEDIUMA

- Perliary 9. 2009 NOTES SYNGOLS

ANNESVATION.

- A. All materials and workmanship shall comply with all applicable local, county, state, and national codes, ordinances, utility company regulations, and specified industry standards.
- B. In cases of differences between building codes, state laws, local ordinances, industry standards and utility company regulations and the Contract Documents, the most stringent shall govern. Any work involved with these differences shall be performed at no additional cost to the Owner.
- C. In addition to the above, if the following industry standards and codes are more stringent, they shall
- IEEE Institute of Electrical and Electronic Engineers IES Illuminating Engineering Society NEC National Electric Code (2005)
- NEMA National Electric Manufacturer's Association NFPA - National Fire Protection Association UL - Underwriter's Labratory
- D. All work shall be performed in a neat and workman-like manner. Any work found to be unsatisfactory by the Architect or Engineer shall be removed and reinstalled immediately at no
- E. Contractor shall provide all items of labor and materials to make a complete installation of electrical work, as shown on the drawings, as specified, and as necessary for a complete system, including, but not limited to the following:
- (1) Power and control power for heating, ventilating, and cooling systems. Refer to Division 15.
- (2) All wiring devices, including safety switches and time switches
- (3) All lighting fixtures, and emergency lighting fixtures, with lamps included.
- (4) All electrical conductors and conduit.
- (5) Telephone conduits and plywood backboards
- (6) Addressable Fire Alarm System
- F. FEES AND PERMITS:
- (1) Each entractor shall obtain all permits, inspections, and approvals applicable to this trade, as required by regulatory authorities. All fees and costs of any nature whatsoever incidental to these permits, inspections and approvals shall be assumed and paid by the Contractor. The General Building Permit will be obtained under other sections of the work and that portion of the costs involved in obtaining this permit will be paid by the contractor for the electrical trade. The pro-rata costs, if any, or utilities serving this property will be paid for by the Owner and shall not be included as part of this Contract.

G. DRAWINGS AND SPECIFICATIONS:

- (1) The interrelation of the specifications, drawings and schedules shall be as hereinbefore described in the Archtectural Section of the Specifications.
- (2) The "Scope of Work" as hereinbefore stated, is intended to designate the general description of the work which shall be performed by each of the major sub-contractors. It is not intended to include all items of work, either generally or specifically, nor is it intended to limit the scope of the work where plans, schedules, notes or standard practice requires the inclusion of other specified terms.
- (3) When the drawings do not give exact details as to the elevations of pipe, conduit and ducts, the contractors shall physically arrange the systems to fit in the space available at the elevations intended with proper grades for the functioning of the systems involved. Piping, exposed conduit and the duct system are generally intended to be installed true and square to the building construction, and located as high as possible against the structure in a neat and workman-like manner. Work shall be concealed in all finished area.
- (4) Different electrical outlets, devices, etc. are indicated by symbols scheduled on drawings.

 Approximate locations are shown, however, the Architect reserves the right to make reasonable changes in locations without additional cost
- (5) Lines indicating branch circuits do not show exact routing but indicate the arrangement and control of circuits. Conceal raceways (unless otherwise noted) and run in the most direct

H. ELECTRICAL WIRING OF MOTORS AND EQUIPMENT

- (1) The Electrical Contractor shall wire all interlock and all power wiring for the installation of equipment furnished under other sections of the work. The Electrical Contractor shall furnish all disconnect switches as required for the proper operation of the equipment unless such equipment is specified to be factory mounted.
- (2) The Mechanical Contractor will furnish complete wiring diagrams showing power wiring and interlock wiring. Diagrams shall be submitted to the Engineer for approval within thirty (30) days after the submittals for equipment have been approved. Diagrams shall be based on this approved equipment and shall be a complete set of integrated drawings, not a series of manufactruers individual diagrams. After these diagrams have been approved by the Engineer, copies will be furnished to the Electrical Contractor by the Mechanical Contractor. They shall be followed in detail.
- (3) Each contractor shall note that the electrical design and drawings are based on the equipment scheduled and shown on the drawings and should any Mechanical Contractor submit for approval, equipment requiring changes to the electrical design for which the Electrical Contractor will request extra charges, these charges shall be paid by the contractor providing the equipment
- (4) At job completion, the Mechanical Contractor, Electrical Contractor, and Temperature Control Sub-contractor shall meet at the job site and shall jointly inspect, check out and test each control circuit, interlock circuit and power circuit to each piece of equipment. The Architect, Engineer and Owner shall be advised in writing of the time and date of this inspection in sufficient time to allow them to make arrangements to have a representative present if desired. A mutual agreement shall be prepared, in writing, between the Temperature Control Sub-contractor, Mechanical Contractor and Electrical Contractor, each of whom shall sign a document indicating that the system as installed and as they observed in functioning that day will meet the requirements of the plan and specifications and that they will unconditionally guarantee continuous performance for the guaranteed period as hereinafter specified.

I. EQUIPMENT IDENTIFICATION:

- (1) All major equipment such as panelboards, disconnects, and other similar equipment shall be identified by the attachment of name plates constructed from laminated 3 ply engraved phenolic plastic, with black surface and white interior core at least 1/16" thick. Engraved lettering shall be condensed gothic at least 3° high and properly spaced for easy and legible reading. Plates shall be attached to equiupment by the use of a permenent type adhesive of chromium plated
- (2) Complete all identification cards for switches, starters, panelboards, and similar pieces of equipment, on a type-uniter in a neat manner and insert the card in the card holders behind a sheet of clear plastic. Panelboard schedules shall list circuit number and specific room(s) name and number served.
- (3) The Contractor shall provide and install on the service entrance equipment an envigraved plastic nameplate as hereinbefore described indicating the name, address, and phone number of both the installing contractor and the Electrical Engineer.

(1) All horizonal runs of conduit shall be suspended from the structural members above, by means of approved hangers. Supports and hangers shall be installed to permit free expansion and contraction in the conduit system as necessary. No conduit shall be self-supporting nor shall it be supported from the equipment connections. Branch circuit conduit runs above suspended ceilings must be fastened to the building structure independent of the suspended ceiling system. No wire nor any other building system shall be connected to or supported form the conduit

K. OBSERVATION:

- (1) The purpose of the Observation is to determine whether the contractor is performing the work in a proper and workman-like manner, that he is apparently installing the work in accordance with the intent of the drawings and specifications and that in the Architect and Engineer's opinion the work is satisfactory.
- L. GROUNDING:
- (1) The Electrical Distribution System shall be grounded in accordance with the most current version of the National Electrical Code and Local Ordinances.

M. PANELBOARDS:

- A. Furnish and install panelboards of ampacities, AIC rating and quantity of poles as shown in panelboard schedules and as scheduled on drawings.
- B. Panelboards shall consist of a con, front, interior and circuit protective devices and shall be labeled as listed by Underwriter's Laboratories. The gauge of metal used and the gutter space shall be in accordance with applicable UL Standards and the National Electrical Code. Each panel shall have a door mounted on semi-concealed hinges with a cylinder lock, and keyed to a master key system.

N. BRANCH/FEEDERS FOR POWER AND LIGHTING:

- A. Furnish and install all feeders and branch circuits as shown on drawings. Feeders shall be of type
- B. All wiring shall be in conduit. Buried conduit may be of Rigid PVC with Rigid Galvanized Steel Elbows. If steel conduit is buried it shall be Rigid Galvanized Steel. All above floor conduit shall be EMT. The architect, engineer, and owner, must be notified in writing if EMT cannot be utilized for any reason, prior to installation.

All wiring exposed to the elements shall be raintight. All connections to motor-operated equipment shall have a suitable length of flexible conduit to isolate movement and noise transmission. Use flexible conduit for light fixture wiring where length is within limits as prescribed by code.

Conduit interconnections of lighting fixtures shall be from joist level. Do not extend runs horizontally Except where wiring is to power and for lighting panels, main telephone panels and other electrical equipment at the main electric service panel location, all wiring shall be concealed within floors,

All wire of #6 ANG or smaller shall be factory color-coded. Where factory color is not available, mark conductors on each end with a 1 inch band of colored pressure sensitive plastic tape or by th use of a properly applied brilliant waterproof lacquer. Colors for each phase shall be consistent throughout the system. Color code shall be as follows: 120/208 Volts 120/208 Volts

Phase A Black Phase B Red Phase C Blue Phase A Brown Orange Yellow Phase B Phase C Neutral Ground Neutral Gray Green W/ Orange Trace

O. POWER, CONTROL, WIRING FOR AC SYSTEMS:

A. Furnish, install, and connect all wiring in accordance with wiring diagrams for power and control of this equipment as provided by the H.V.A.C. Contractor. Refer to the Mechanical Specifications. Division 15. Contractor shall verify electrical requirements. No extra cost will be paid for additions of equipment of labor after contract is signed.

P. WIRING DEVICES AND BRANCH WIRING

A. Furnish and install all wiring devices for convenience receptacles, lighting, and telephone outlets, toggle switches and other similar devices. Convenience outlets shall be duplex type unless otherwise indicated. Faceplates and devices shall be white in color unless otherwise indicated. All wiring devices shall be specification grade 20 amp, 125 volt, as made by Levition, Hubbell, or PNS, unless otherwise noted on the drawings.

(1) Switches

(a) Wall switches controlling loads not more than 1920 watts at 120 volts shall be as follows:

15A LEVITON: 20A LEVITON: SINGLE POLE 1202-2 THREE WAY 1024-2 1201-2L LOCK I POLE

(2) Receptacles: TYPE:

(3) GFCI Receptacies:

15 AMP-125 VOLT, 2 P/3W GROUNDING 20 AMP-125 VOLT, 2 P/3W GROUNDING

LEVITON 5261 (SINGLE) LEVITON 5262A (DUPLEX)

LEVITON 5361 (SINGLE) LEVITON 5362A (DUPLEX)

The device providing Ground Fault Interuption Protection shall incorporate features that render the device incapable of being reset unless its proper operation is verified by the successful

20 AMP-125 VOLT LOCK OUT TYPE:

LEVITON 8899

(4) Covers for Exterior Devices: TYPE:

WEATHERPROOF COVERS

LEVITON 4970

(5) While in Use: Shall have locking covers.

LEVITON 5996-GY (I DUPLEX RECEPTACLE) LEVITON 5997-GY (I GFCI RECEPTACLE)

TYPE:

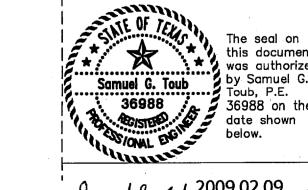
(a) Coverplates for each and every device shall be furnished and installed by this contract. All plates shall be one piece. No sectional plates will be allowed. All faceplates shall be specification grade and ivery in color. In machine rooms and other similar areas with exposed conduit furnish galyanized steel plates to fit in exposed boxes.

(b) Wall switches shall be ivery in color unless otherwise noted on the drawings. Switches shall be specification grade, 20 amp, 125 volt, as made by Leviton, Hubbell, or PNS.

(c) Floor Outlet boxes shall be galvanized boxes with brushed aluminum cover and access plugs, unless otherwise shown on the drawings. (d) All wiring to convenience outlets and lighting fixtures shall be a minimum of #12 AWG copper. THM type insulation for less than 5 conductors in conduit, and THHN type insulation for 6 or more

Q. LIGHITHG AND EMERGENCY LIGHTING FIXTURES:

- A. Furnish, install and connect all lighting fixtures as scheduled on the drawings. Scheduled fixtures may have substitutions if the fixture is of equivalent or greater quality, design and if it is approved by the Owner. Each fixture shall be completely lamped. Unless otherwise scheduled, fluorescent lamps shall be T8 Octron 4100k only. General duty incondescent lamps shall be frosted and shall be 130 volt unless otherwise scheduled. All lamps shall be General Electric, Phillips, or Sylvania. Provide, install and connect emergency lighting fixtures as scheduled and shown on the drawings. Battery backup ballasts in emergency fixtures shall provide a minimum of 90 minutes of illumination in the event of a power outage.
- B. All fluorescent lighting shall be equipped with Electronic, High Frequency, Solid State Ballasts



Samuel Stank 2009.02.09 14:04:51-06'00'

Project # 3988
S. Toub & Associates Inc.

Mechanical / Electrical

13641 Omega Road, Dallas, Texas 75244 972/386-5829 © COPYRIGHT 2008

architects

merriman

associates

architecture · planning interior design

300 N. FIELD ST.

DALLAS, TEXAS 75207

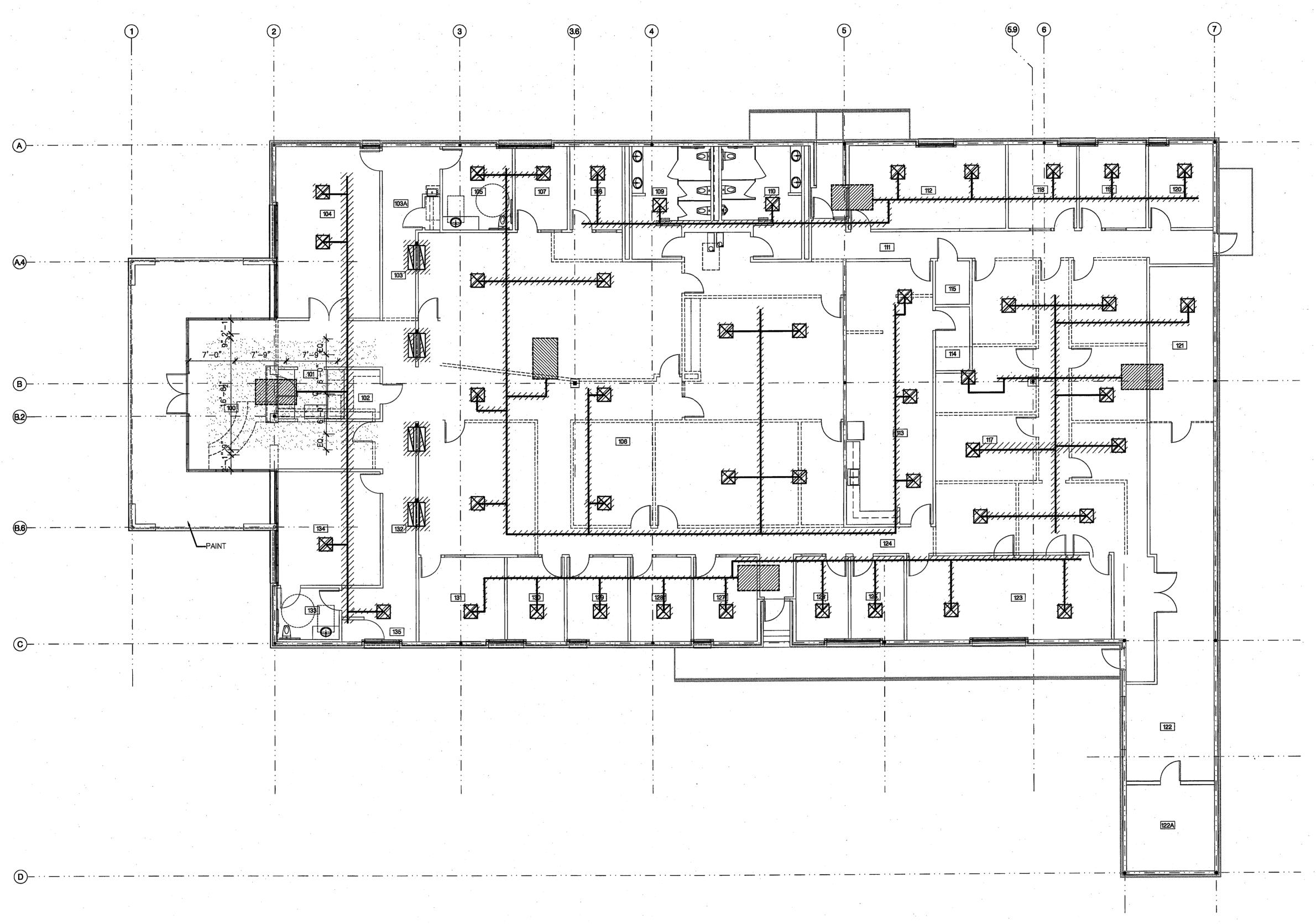
214.987.1299

214.987.2138 (FAX)

The seurce.
this document was authorized ∠ 36988 on the date shown below.

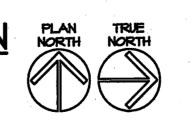
> 20001110 F3801480Y 9, 2009

NOTES, SYMBOLS MORTANGEMIA



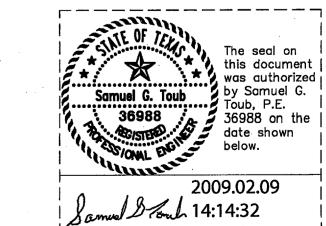
FLOOR PLAN - MECHANICAL DEMOLITION

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



GENERAL NOTES

1. CONTRACTOR SHALL COMPLETELY REMOVE ALL HVAC DUCT WORK AND THERMAL INSULATION, AIR DEVICES, DUCT SUPPORTS, THERMOSTATS AND THERMOSTAT WIRING, FIRE DAMPERS, AND RETURN AIR TRANSFER DUCTS AS INDICATED BY CROSS-HATCHING.



14:14:32 -06'00' Project # 3988

Consulting Engineer Mechanical / Electric 13641 Omega Road, Dallas, Texas 75 972/386-5629

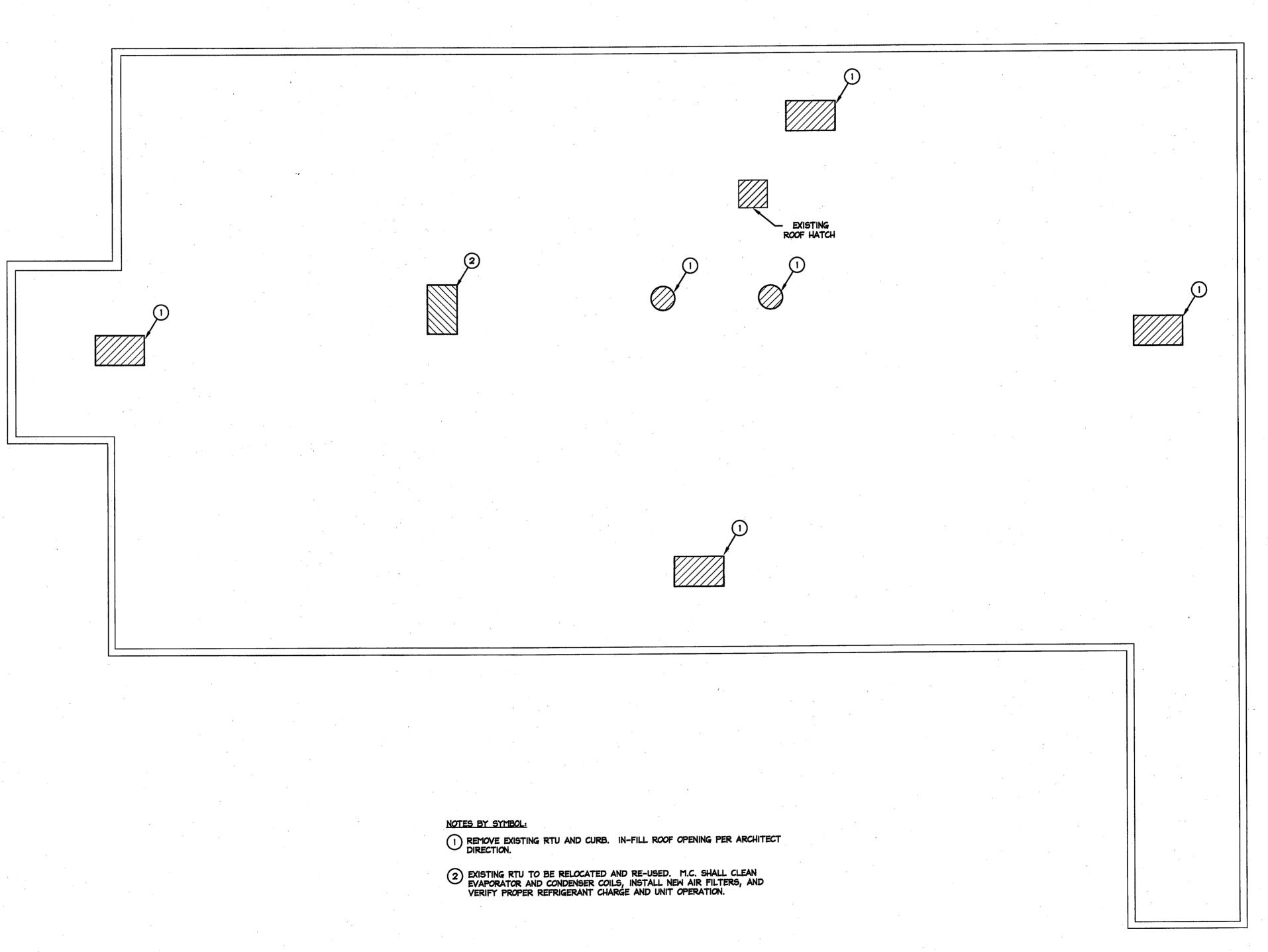
© COPYRIGHT 2008

Fiates Inc.
anical / Electrical

B. Texas 75244

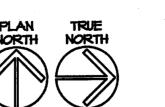
FERRUARY 9, 2009

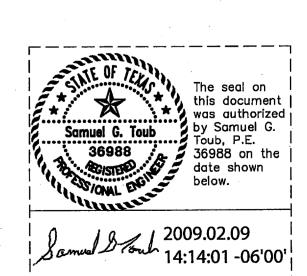
associates



01) ROOF PLAN - MECHANICAL DEMOLITION

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





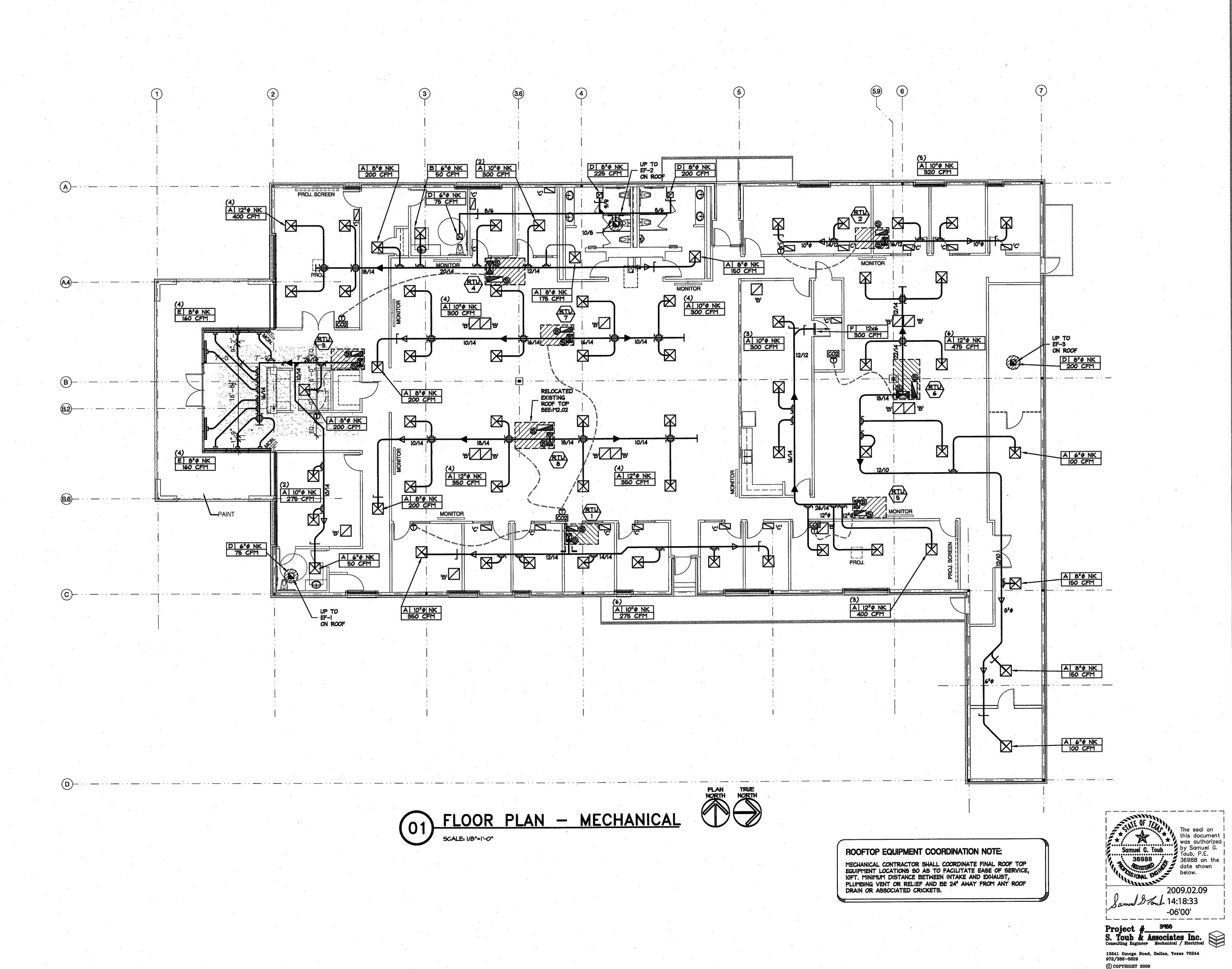
13641 Omega Road, I 972/386-5629 ⓒ COPYRIGHT 2008

······ /1.02

merriman associates

214.987.1299 214.987.2138 (FAX)

FEMILIARY 9, 2009 SOURT MANN PLOCKE PLAN AMESHANICAL



merriman associates architecture planning

interior design

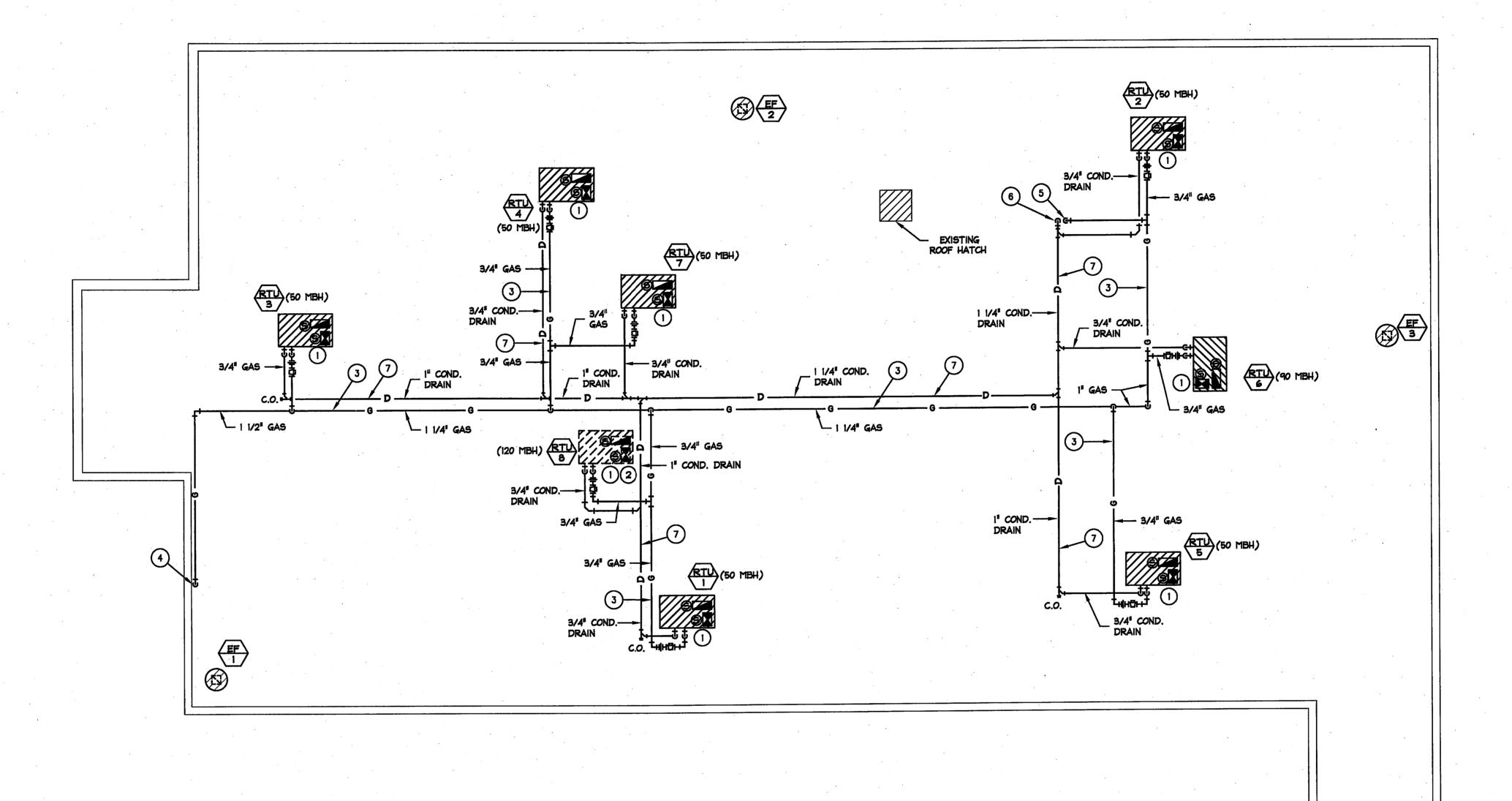
300 N. FIELD ST.

DALLAS, TEXAS 75202

214.987.1299

214.987.2138 (FAX)

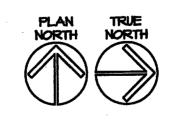
MINISTRAN PLOCOS PLAN MECHANICAL

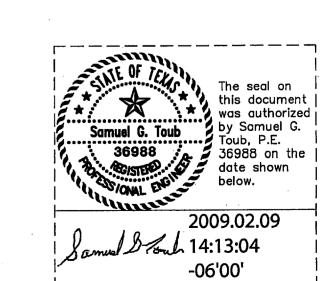


NOTES BY SYMBOL:

- SMOKE DETECTOR LOCATED IN SUPPLY AND RETURN AIR STREAM. INTEGRATE INTO THE THERMOSTAT CONTROL CIRCUIT SO THAT WHEN ACTIVATED THE UNIT IS DE-ENERGIZED.
- EXISTING ROOFTOP UNIT TO BE RELOCATED AND RE-USED. CONTRACTOR SHALL CLEAN AND COMB CONDENSER COIL; CLEAN EVAPORATOR COIL AIR FILTER; VERIFY PROPER OPERATION OF ALL CONTROLS AND SAFETY; VERIFY UNIT PERFORMANCE IN COOLING AND HEATING CYCLES; INSPECT HEAT EXCHANGER FOR CRACKS OR DAMAGE.
- PROVIDE GAS PIPE SUPPORTS EVERY 6 FT. ON ALL GAS BRANCHES, EVERY 10 FT. ON GAS MAIN, EVERY JOINT CONNECTION FROM BRANCH TO GAS MAIN. REFER TO DETAIL 02/P3.01 FOR ROF PIPE SUPPORT.
- ROUTE 1 1/2" GAS LINE DOWN THRU ROOF. SEAL PENETRATION TIGHT AROUND PIPING. REFER TO SHEET P2.01 FOR CONTINUATION AROUND BUILDING.
- ROUTE 3/4" GAS LINE DOWN THRU ROOF TO EXISTING WATER HEATER. SEAL PENETRATION TIGHT AROUND PIPING. REFER TO SHEET P2.01 FOR CONTINUATION AROUND BUILDING.
- ROUTE 1 1/2" CONDENSATE LINE DOWN THRU ROOF TO EXISTING JANITOR CLOSET. SEAL PENETRATION TIGHT AROUND PIPING. REFER TO SHEET P2.01 FOR CONTINUATION AROUND BUILDING.
- ROUTE CONDENSATE DRAIN LINE WITH 1/8"PER FT. SLOPE.ROOF. PROVIDE PIPE SUPPORTS EVERY 6 FT. ON ALL CONDENSATE BRANCHES, EVERY 10 FT. ON CONDENSATE MAIN, EVERY JOINT CONNECTION FROM BRANCH TO CONDENSATE MAIN. REFER TO DETAIL 02/P3.01 FOR ROOF PIPE SUPPORT.







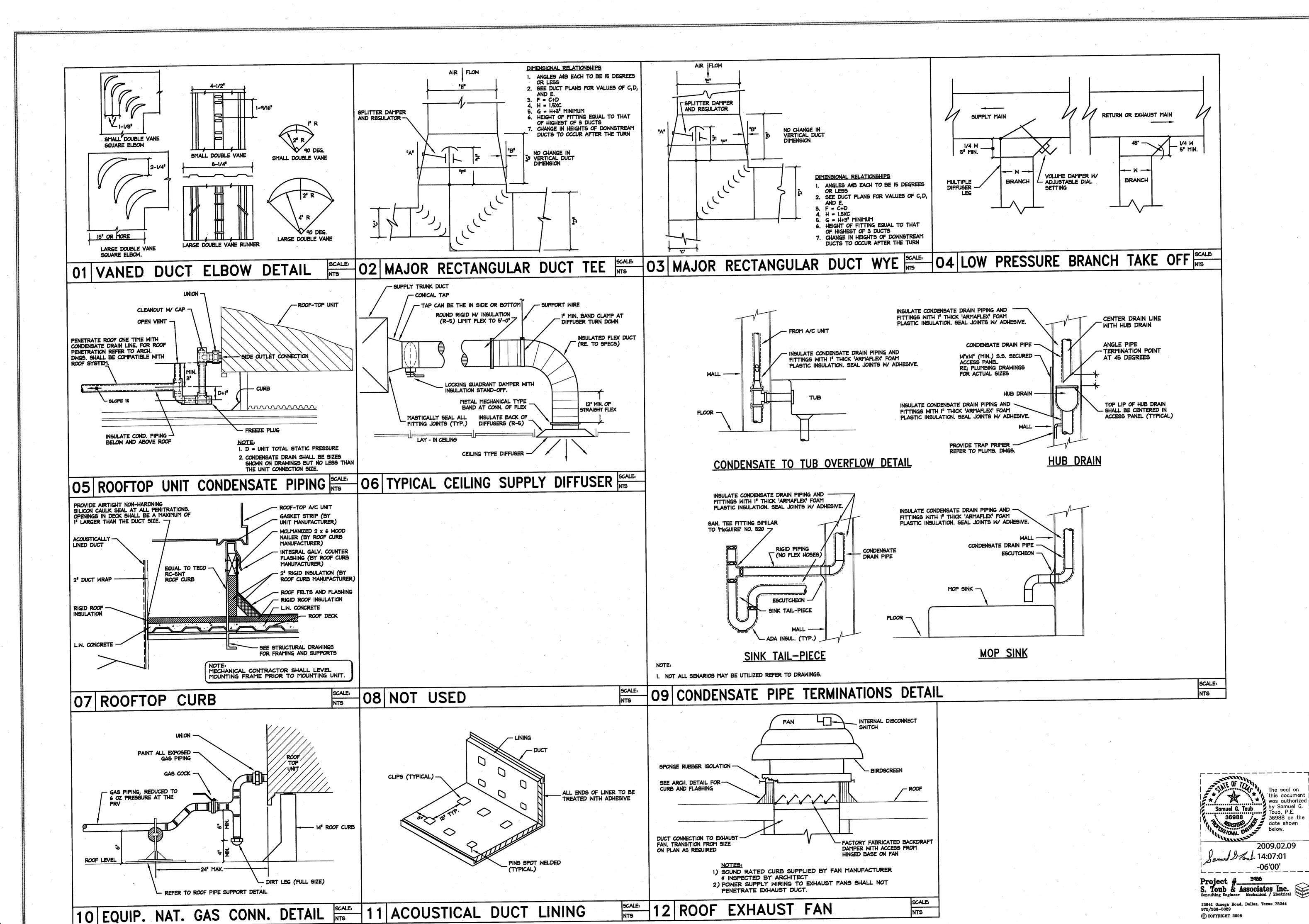
Project # 3988
S. Toub & Associates Inc.

© COPYRIGHT 2008

associates

2000105 PERKUANY 9, 2009

MAN MOOR MICHANICAL



merriman associates

architecture · planning interior design 300 N. FIELD ST.

300 N. FIELD ST.
DALLAS, TEXAS 75202
214.987.1299
214.987.2138 (FAX)

PERTURY 9, 20 BINEY HAN BIOCOX PLAN

| AIR | DEVIC | E SCHI | EDULE | | | | | | |
|------------|-------------|--------------|-------------------------|---------|------------------|-----------|--------|-----------|--|
| MARK | DESCRIPTION | CEILING TYPE | ** FACE DIMENSION | TYPE | VOLUME DAMPER | FINISH | MANUF. | MODEL NO. | REMARKS *** |
| A | LOUVER FACE | * | 24"x24" | SUPPLY | NO | PER ARCH. | TITUS | TMS | SQUARE STEEL CONCENTRIC LOUVER FACE CEILING DIFFUSER. W/ ROUND NECK INLET. |
| В | LOUVER FACE | * | 24"x24" | RETURN | NO | PER ARCH. | TITUS | 350RL | 35° FIXED DEFLECTION STEEL GRILLE WITH BLADES ON 3/4" BLADE SPACING WITH BLADES PARALLEL TO LONG DIMENSION. |
| C . | LOUVER FACE | * | 24"x12" | RETURN | NO | PER ARCH. | TITUS | 350RL | 35° FIXED DEFLECTION STEEL GRILLE WITH BLADES ON 3/4" BLADE SPACING WITH BLADES PARALLEL TO LONG DIMENSION. |
| D | LOUVER FACE | . * | 12"x12" | EXHAUST | 0.B.D. | PER ARCH. | TITUS | 350FL | 35° FIXED DEFLECTION ALUMINUM REGISTER ON 3/4" BLADE SPACING WITH FRONT BLADES PARALLEL TO LONG DIMENSION. |
| E | LINEAR SLOT | * | 48"Lx(2)1.5" SLOTS | SUPPLY | NO | PER ARCH. | TITUS | TBDI-80 | TWO SLOT LINEAR DIFFUSER WITH ADJUSTABLE PATTERN CONTROLLER WITH GASKET. PROVIDE ACOUSTICALLY INSULATED SUPPLY PLENUM PARALLEL TO LONG DIMENSION. RETURN SLOT WITHOUT CONTROLLER BLADES. |
| F . | LOUVER FACE | SIDE WALL | SIZE AS INDICATED | SUPPLY | O.B.D. | PER ARCH. | TITUS | 300FL | DOUBLE DEFLECTION ALUMINUM REGISTER WITH ADJUSTABLE BLADES ON 3/4" BLADE SPACING WITH FRONT BLADES PARALLEL TO LONG DIMENSION. |

1. MULTIPLE DEVICES HAVE THE SAME DESIGNATION. VERIFY EXACT NUMBER OF DEVICES WITH THE FLOOR PLANS.

2. * VERIFY FRAME STYLE REQUIREMENTS WITH ARCHITECTURAL REFLECTIVE CEILING PLANS. ** UNLESS NOTED OTHERWISE ON FLOOR PLANS. >>FOR DEVICES IN GYP. BD. (LAY-IN) CEILINGS, THE DIMENSION SHOWN SHALL BE THE DUCT CONNECTION DIMENSION FOR THE AIR DEVICE.

| DESIGN | CONDITIONS |
|---------------------|------------|
| SUMMER | WINTER |
| 102°F db 78°F wb | 18°F db |

| ** | AIR DEVICES | NECK SIZES | DUCT SIZES |
|----|----------------|--------------------|---------------|
| | AA | 6ª Ф | 8/8 |
| | A | 8114 | 10/10 |
| | A | 10 ¹¹ Φ | 12/10 |
| | Α | 12"¢ | 14/10 |
| | A | 14"φ | 16/10 |
| | Α | 15"φ | 20/10 |

| FAN | SCI | HEDUL | Ε | | | | | | | | | | | | | | |
|------|---------------------------------------|-------|----------|--------------------------|-------------------|------|------|--------|-------|------|---------|--------------|-----------|---------|------------------------------------|---------|--|
| MARK | SERVES LOCATION TYPE CFM S.P. ("W.G.) | | | MIN. WHEEL DIA. (IN.) | MAX FAN RPM | TYPE | H.P. | RPM | VOLTS | | STARTER | MANUFACTURER | MODEL NO. | REMARKS | OPERATING WEIGHT (>200 LBS.) | | |
| EF-1 | RESTROOM | ROOF | CENTRIF. | 75 | 0.5 | | 1363 | BELT | 1/6 | 1725 | 115 | 1 | H.O.A. | соок | 60C2B | 1,5,8,9 | |
| EF-2 | RESTROOM | ROOF | CENTRIF. | 500 | 0.5 | | 1502 | DIRECT | 1/8 | 1550 | 115 | 1 | H.O.A. | соок | 100CI5DH | 1,5,8,9 | |
| EF-3 | ELECTRICAL ROOM | ROOF | CENTRIF. | 200 | 0.5 | | 1334 | DIRECT | 1/8 | 1550 | 115 | 1 | H.O.A. | соок | 90CI5DH | 1,5,8,9 | |
| · . | | | | | | | | | | | | | | | | | |

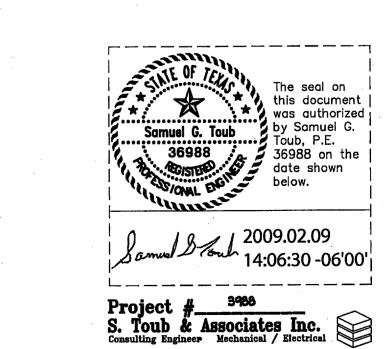
MULTIPLE UNITS HAVE THE SAME DESIGNATION. VERIFY EXACT NUMBER OF UNITS WITH THE FLOOR PLANS. NOTES:

(1. MINIMUM LEAKAGE GRAVITY BACKDRAFT DAMPER, (2. AUTOMATIC DAMPER WITH ACTUATOR, (3. 2-SPEED MOTOR, (4. BIRDSCREEN (5. MANUFACTURER'S ROOF CURB, (6. INLET SAFETY GUARD, (7. PREMIUM EFFICIENCY ELECTRIC MOTOR, (8. MANUFACTURER'S DISCONNECT SWITCH, (9. SPEED CONTROLLER, (10. THROW AWAY FILTERS, (11. 24" VENTED ROOF CURB, (12. EXPLOSION PROOF MOTOR AND DRIVE WITH NON SPARKING WHEEL, (13. SWITCH WITH DOOR LATCH CONTACTS.

| ROC | F TO | P | All | R | CON | NDI. | TION | IING U | NIT | (D) | (X) | SCHE | DULE | | · | | | | · | | | | | | |
|-------|----------------|------|------|--------|---------------|------|--------|--------------------------|------|---------|---------|----------|-----------|-------------|----------|---------|-------|---------|--------|------|--------------|-----------|--|-----------------|---------------|
| | | | 0.4 | A.CFM | | | FAN SE | CTION | | AID /=\ | COOLING | G DATA | UTV (MDU) | HEA | TING DAT | A (MBU) | | ELECTRI | CAL DA | A | MANUFACTURER | MODEL NO. | REMARKS | COND. DRAIN | WEIGHT |
| MARK | SERVES | CFM | MIN | N MAX | ESP IN. WC | HP | RPM | MIN. WHEEL DIA. (IN.) | ENT. | AIR (F) | | SENSIBLE | TOTAL | FUEL | CAPACITY | OUTPUT | VOLTS | PHASE | MCA | MOCP | MANUFACTURER | MODEL NO. | REMARKS | (IN) | WEIGHT (LBS.) |
| RTU-1 | OFFICE | | - | 0 420 | 3000 | . 3 | 1750 | | 80 | 67 | 105 | 41.7 | 56.7 | NAT. GAS | 50.0 | 41.0 | 460 | 3 | 14.7 | 20 | CARRIER | 48HJD006 | SEE NOTES. | 1 ^{tt} | 757 |
| RTU-2 | OFFICE | 1600 | 300 | 00 300 | 0.5 | 3 | 1750 | | 80 | 67 | 105 | 29.0 | 39.7 | NAT. | 50.0 | 41.0 | 460 | 3 | 10.6 | 15 | CARRIER | 48HJD005 | SEE NOTES | 1" | 737 |
| RTU-3 | RECEPTION | 2400 | 35 | 5 355 | 0.5 | 3 | 1750 | | 80 | 67 | 105 | 53.6 | 68.0 | NAT. GAS | 50.0 | 41.0 | 460 | 3 | 15.2 | 20 | CARRIER | 48HJD007 | SEE NOTES | 1-1/4" | 832 |
| RTU-4 | CONFERENCE | 297 | 5 29 | 10 980 | 0.5 | 3 | 1750 | | 80 | 67 | 105 | 62.5 | 95.9 | NAT. GAS | 90.0 | 73.8 | 460 | 3 | 19.2 | 25 | CARRIER | 48HJD008 | SEE NOTES | 1-1/4" | 1115 |
| RTU-5 | TRAINING | 2400 | 24 | 10 560 | 0.5 | 3 | 1750 | | 80 | 67 | 105 | 47.7 | 67.6 | NAT. | 50.0 | 41.0 | 460 | 3 | 15.2 | 20 | CARRIER | 48HJD007 | SEE NOTES | 1-1/4" | 832 |
| RTU-6 | OPEN OFFICE | 3400 | 34 | 640 | 0.5 | 3 | 1750 | | 80 | 67 | 105 | 75.9 | 98.7 | NAT. GAS | 90.0 | 73.8 | 460 | 3 | 21.5 | 25 | CARRIER | 48HJD009 | SEE NOTES | 1-1/4" | 1260 |
| RTU-7 | OPEN OFFICE | 2400 | 24 | 10 560 | 0.5 | 3 | 1750 | | 80 | 67 | 105 | 50.4 | 70.3 | NAT. GAS | 50.0 | 41.0 | 460 | 3 | 15.2 | 20 | CARRIER | 48HJD007 | SEE NOTES | 1-1/4" | 832 |
| RTU-8 | OPEN OFFICE | 3000 | 30 | 0 355 | 0.5 | 2 | 1750 | | 80 | 67 | 105 | 64.4 | 90.1 | NAT. GAS | 120.0 | 97.2 | 460 | 3 | 19.13 | 30 | TRANE | Y*C090 | SEE NOTES. EXISTING ROOF TOP UNIT TO BE RELOCATED AND RE-USED. | 1-1/4" | 1100 |

1. MULTIPLE UNITS HAVE THE SAME DESIGNATION. VERIFY EXACT NUMBER OF UNITS WITH THE FLOOR PLANS.
2. PROVIDE SINGLE POINT ELECTRICAL CONNECTION WITH INTEGRAL DISCONNECT SWITCH.
3. EXTERNAL STATIC PRESSURE (E.S.P.) IS DUCTWORK AND GRILLES ONLY. BHP SHOULD INCLUDE TWICE INITIAL FILTER LOSSES.
4. RTUS SHALL HAVE MODULATING OUTSIDE AIR DAMPER. O/A DAMPER SHALL CLOSE WHENEVER COMPRESSOR CYCLES "OFF".
5. RTU-4, RTU-5, RTU-6, RTU-7, AND RTU-8: O/A DAMPER SHALL OPEN TO "MINIMUM" POSITION ON UNIT START-UP, AND SHALL MODULATE BETWEEN "MIN" AND "MAX" O/A VOLUME TO MAINTAIN CO2 LEVEL LESS THAN 1000 PPM.

6. TRANE IS AN APPROVE MANUFACTURER



C COPYRIGHT 2008

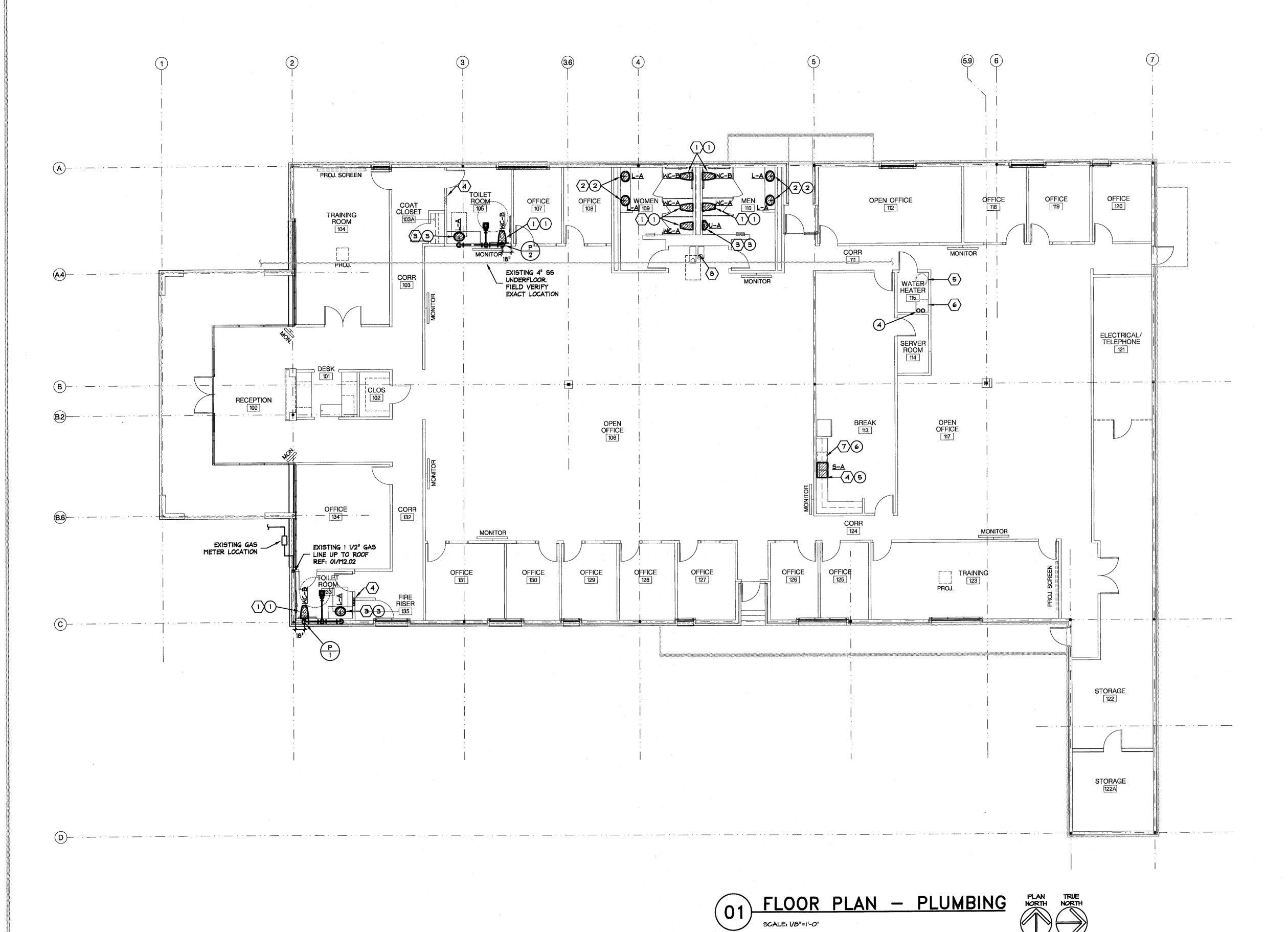
merriman associates

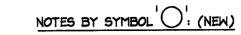
> 300 N. FIELD ST. DALLAS, TEXAS 75202 214.987.1299 214.987.2138 (FAX)

PRODUCT HEADING

FEMULANY 9, 2009

rook man





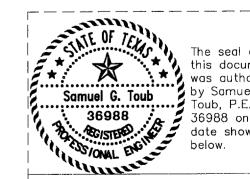
- EXTEND AND CONNECT CW, SANITARY AND VENT LINES BEHIND WALL AND BELOW FLOOR. PROVIDE NEW WATER CLOSET, FLUSH VALVE, AND VALVE STOP. PATCH AND REPAIR TO MATCH EXISTING CONDITION.
- 2 EXTEND AND CONNECT CW, HW, SANITARY AND VENT LINES BEHIND WALL. PROVIDE NEW LAVATORY, FAUCET P-TRAP, VALVE STOPS, AND TRIM. PATCH AND REPAIR TO MATCH EXISTING CONDITION.
- 3 EXTEND AND CONNECT CW, SANITARY AND VENT LINES BEHIND WALL AND BELOW FLOOR. PROVIDE NEW URINAL, FLUSH VALVE, AND CARRIER. PATCH AND REPAIR TO MATCH EXISTING CONDITION.
- 4 NEW 1 1/2" CONDENSATE DRAIN FROM ROOF DOWN TO MOP SINK. TERMINATE 1" ABOVE FLOOD RIM OF SINK.
- 5 EXTEND AND CONNECT CW, HW, SANITARY AND VENT LINES BEHIND WALL. PROVIDE NEW SINK, FAUCET P-TRAP, VALVE STOPS, AND TRIM. PATCH AND REPAIR TO MATCH EXISTING CONDITION.
- PROVIDE NEW 3/8" CW SUPPLY, VALVE STOP, AND NEW DISCHARGE HOSE TO DISHWASHER.

NOTES BY SYMBOL : (EXISTING)

- REMOVE AND CAP CW, SANITARY AND VENT LINES BEHIND WALL AND BELOW FLOOR. REMOVE EXISTING WATER CLOSET, FLUSH VALVE, AND VALVE STOP. PATCH AND REPAIR TO MATCH EXISTING CONDITION.
- 2 REMOVE AND CAP CW, HW, SANITARY AND VENT LINES BEHIND WALL. REMOVE EXISTING LAVATORY, FAUCET P-TRAP, VALVE STOPS, AND TRIM. PATCH AND REPAIR TO MATCH EXISTING CONDITION.
- REMOVE AND CAP CW, SANITARY AND VENT LINES BEHIND WALL. REMOVE EXISTING URINAL, FLUSH VALVE, AND CARRIER. PATCH AND REPAIR TO MATCH EXISTING CONDITION.
- REMOVE AND CAP CW, HW, SANITARY AND VENT LINES BEHIND WALL. REMOVE EXISTING SINK, FAUCET P-TRAP, VALVE STOPS, AND TRIM. PATCH AND REPAIR TO MATCH EXISTING CONDITION.
- 5 EXISTING WATER HEATER TO REMAIN.
- (6) EXISTING MOP SINK TO REMAIN.
- EXISTING DISHWASHER TO REMAIN. REMOVE EXISTING WATER SUPPLY AND DISCHARGE FROM DISHWASHER.
- 8 EXISTING ELECTRICAL WATER COOLER TO REMAIN. CLEAN AND REFURBISH TO LIKE-NEW CONDITION.

GENERAL NOTES:

- 1. ALL DOMESTIC WATER, AND SANITARY VENT LINES SHALL BE ROUTED ABOVE CEILING AND SANITARY WASTE SHALL BE ROUTED UNDERFLOOR OR BELOW SLAB UNLESS OTHERWISE NOTED.
- 2. PATCH AND REPAIR ALL DEMOLITION AREA TO MATCH EXISTING CONDITIONS.
- 3. SCHEDULE 40 PVC PIPE MAY BE USED FOR SANITARY WASTE & VENT PIPING. THE CONTRACTOR SHALL NOT INSTALL PVC PIPE IN A RETURN AIR PLENUM.



Samuel B foul 2009.02.09 14:03:48-06'00'

Project #______S. Toub & Associates Inc.

13641 Omega Road, Dallas, Texas 75244 972/386-5629 © COPYRIGHT 2008

HARRANA ACHRANAN

architects

merriman associates

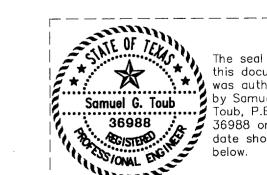
> architecture · planning Interior design

300 N. FIELD ST. DALLAS, TEXAS 75202

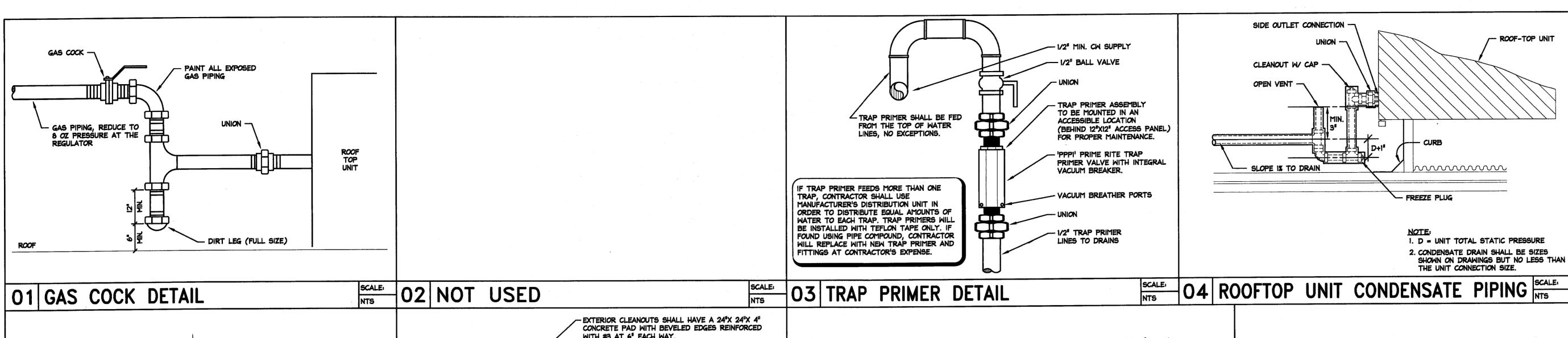
214.987.1299

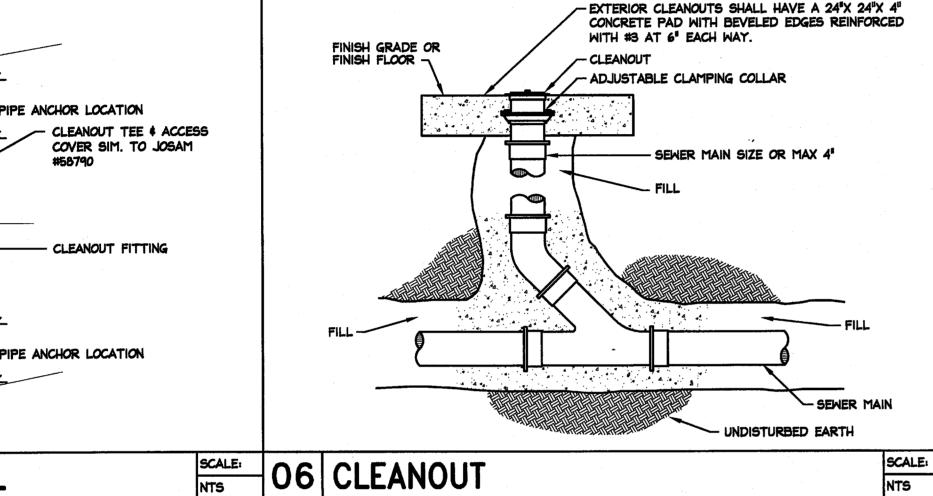
214.987.2138 (FAX)

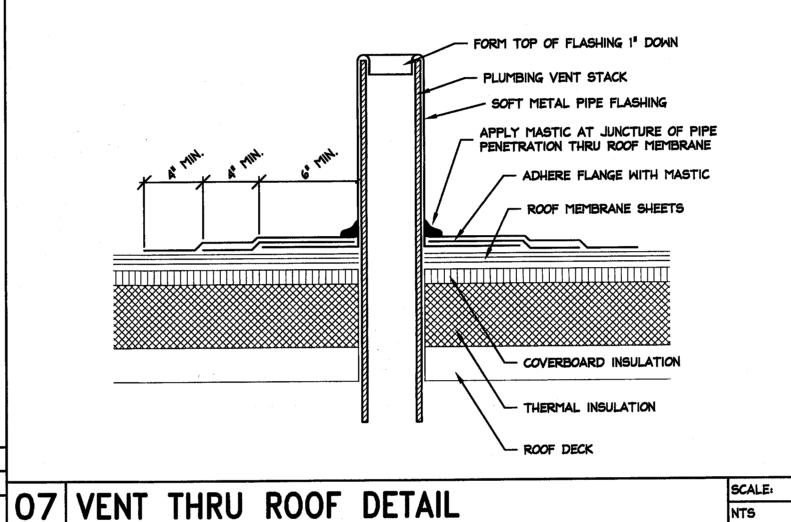
ROOM RAN RUMWA



PERKLIARY S, 2009 APARTY APARTS







PLUMBING FIXTURE SCHEDULE MANUFACTURER SAN. | VENT | COLD MANUFACTURERS DESCRIPTION / REMARKS SWR SIZE WTR WTR **DESCRIPTION** & MODEL SIZE SIZE NUMBER FLOOR MOUNTED, 1.6 GPF NON-ADJUSTABLE PISTON ACTION ACCELERATOR FLUSH, ELONGATED BOWL, VITREOUS CHINA TANK TYPE WATER CLOSET WITH OLSONITE SOLID PLASTIC OPEN-FRONT SEAT WITH CHECK HINGE. COLOR: WHITE. 16 1/2" RIM HEIGHT. ROUGH-IN 18" FROM FINISHED WALL PER T.A.S. 2¹¹ 1/2" AMERICAN STANDARD FLOOR MOUNTED WC-A TANK TYPE WATER CLOSET OAKMONT CHAMPION 2738.014 (ADA) FLOOR MOUNTED, 1.6 GPF NON-ADJUSTABLE PISTON ACTION ACCELERATOR FLUSH, ELONGATED BOWL, VITREOUS CHINA TANK TYPE WATER CLOSET WITH OLSONITE SOLID PLASTIC OPEN-FRONT SEAT WITH CHECK 2" 1/2" FLOOR MOUNTED AMERICAN STANDARD WC-B OAKMONT CHAMPION TANK TYPE HINGE. COLOR: WHITE. 16 1/2" RIM HEIGHT. RIGHT-HAND MOUNTED FLUSH HANDLE. ROUGH-IN 18" FROM WATER CLOSET 2738.014 (RIGHT MOUNTED FLUSH HANDLE) FINISHED WALL PER T.A.S. (ADA) WALL MOUNTED, 1.0 GPM WASHOUT FLUSH ACTION, FLUSHING RIM, 3/4 INCH TOP SPUD, 2 INCH FEMALE AMERICAN STANDARD WALL HUNG THREADED OUTLET, VITREOUS CHINA URINAL WITH TWO WALL HANGERS. FURNISH COMPLETE WITH SLOAN FLUSH VALVE AND JOSAM CAST IRON, FLOOR MOUNTED URINAL CARRIER WITH ADJUSTABLE 2" 3/4¹¹ WASHBROOK #6501.010 SLOAN ROYAL #186-1.0 (ADA) SUPPORT PLATE. VITREOUS CHINA, FAUCET LEDGE, FRONT OVERFLOW, SELF-RIMMING COUNTERTOP LAVATORY WITH FAUCET HOLES ON 4" CENTERS. FURNISH COMPLETE WITH CHROME PLATED 1 1/2 INCH P-TRAP, KEYLESS ANGLE STOPS AND FLEXIBLE METAL COUNTERTOP LAVATORY DECK AMERICAN STANDARD MOUNTED FAUCET W/ WRIST 1/2" 2¹¹ 2" 1/2" AQUALYN #0476.028 SUPPLIES. FAUCET SHALL BE CAST BRASS, POLISHED CHROME PLATED FINISH, SINGLE HANDLE, GRID STRAINER - A.D.A. BLADE HANDLES (ADA) MOEN FAUCET #8413 CHICAGO FAUCETS RATED VANDAL RESISTANT AERATOR (0.5 GPM). JUST OR GRIFFIN DOUBLE COMPARTMENT, 18 GUAGE, TYPE 304 NICKEL BEARING STAINLESS STEEL, SELF RIMMING SINK WITH FAUCET HOLES ON 8" CENTERS 33"Lx22"Wx6-1/2"D). UNDERSIDE OF SINK IS FULLY UNDERCOATED. FURNISH COMPLETE WITH CHROME PLATED 1 1/2 INCH SPEAKMAN OR DOUBLE COMPARTMENT CHICAGO FAUCETS P-TRAP, KEYLESS ANGLE STOPS AND FLEXIBLE METAL SUPPLIES. FAUCET SHALL BE HEAVY DUTY CAST BRASS, POLISHED ELKAY LRAD3222 **2**¹¹ 1/2" 1/2" STAINLESS STEEL SINK S-A MOEN 8710 CHROME PLATED FINISH, SWIVEL SPOUT, INDEXED SINGLE HANDLE AND VANDAL RESISTANT AERATOR (2.2 GPM). PROVIDE (ADA) ELKAY 'LK-35' STRAINER. CAST IRON FLOOR DRAIN, TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, INVERTIBLE NON-PUNCTURING FLASHING WADE, MI-FAB FLOOR DRAIN 1/2" **2**" OR J.R.SMITH COLLAR, WEEPHOLES, BOTTOM OUTLET AND ADJUSTABLE SATIN NIKALOY STRAINER, 1/2' TRAP PRIMER CONNECTION AND (RESTROOMS AND EXPOSED JOSAM #30000-A-50-92-VP AREAS) SECURED GRATE WITH VANDAL-PROOF SCREWS. WADE, MI-FAB ROUND STAINLESS STEEL WALL ACCESS COVER WITH VANDAL PRROF CENTER SCREW, CAST IRON NO-HUB CLEANOUT TEE OR J.R.SMITH JOSAM #58600-PLG-COT-VP WALL CLEANOUT WITH RECESSED BRONZE TAPPED PLUG. COATED CAST IRON, LEVELEZE FLOOR CLEANOUT, TAPER THREADED BRONZE CLEANOUT PLUG AND ADJUSTABLE ABS HOUSING WITH INTERIOR FLOOR MEDIUM DUTY SCORIATED SECURED ROUND SATIN NIKALOY TOP WITH VANDAL-PROOF SCREWS. CONTACTOR SHALL SELECT JOSAM #57000-22-VP FCO CLEANOUT CLEANOUT COVER FOR FLOOR COVERING USED. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR COVERINGS.

NOTES:

SECURING SCREW

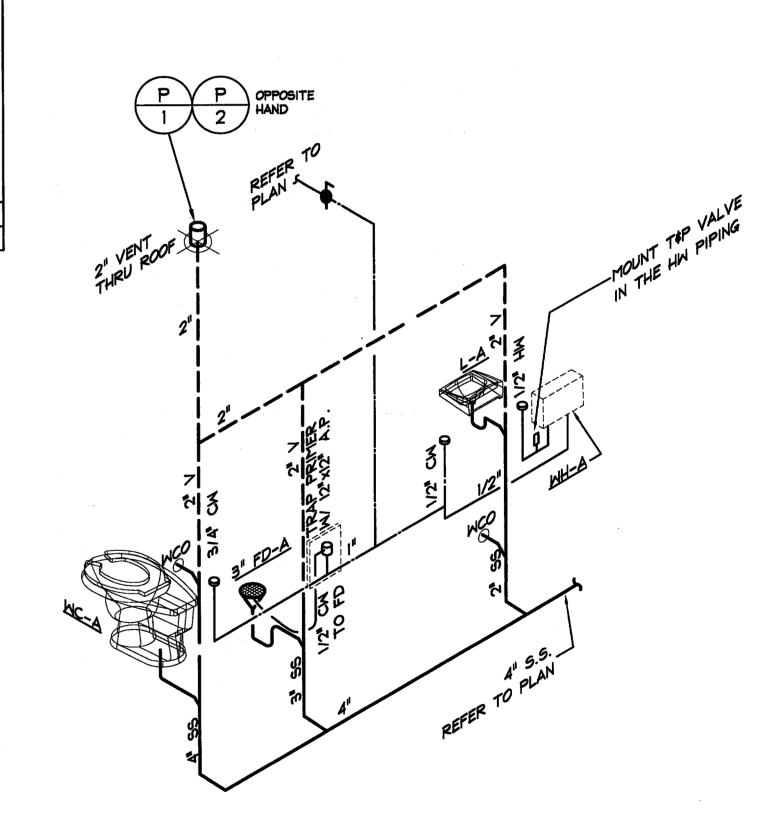
ACCESS COVER

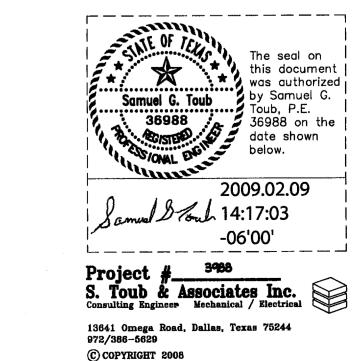
05 WALL CLEANOUT DETAIL

- 1. WALL HUNG PLUMBING FIXTURES SHALL BE SUPPORTED USING ADJUSTABLE CONCEALED ARM FLOOR MOUNTED SUPPORTS WITH RECTANGULAR STRUCTURAL STEEL UPRIGHTS UTILIZING HEAVY-DUTY CAST-IRON FEET BOLTED TO THE FLOOR AND CAST IRON SUPPORT HEADERS.
- 2. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND LOCATIONS OF ALL PLUMBING FIXTURES INCLUDING HANDICAPPED (ADA) FIXTURES.

 CONTRACTOR SHALL COORDINATE ADA REGUIREMENTS WITH ARCHITECT PRIOR TO INSTALLATION OF PLUMBING FIXTURES.
- 3. CONTRACTOR SHALL PROVIDE FLEXIBLE MOLDED INSULATION SIMILAR TO TRUEBRO 'LAV GUARD' ON P-TRAPS, WATER SUPPLIES AND VALVES SERVING ADA PLUMBING FIXTURES.

 CONTRACTOR SHALL PROVIDE OFFSET P-TRAPS ON ADA FIXTURES.
- 4. CONTRACTOR SHALL INSTALL ALL PLUMBING FIXTURES SHOWN ON THE ARCHITECTURAL, PLUMBING AND OWNER FURNISHED DRAWINGS.
- 5. CONTRACTOR SHALL FURNISH AND INSTALL ON EACH PLUMBING FIXTURE CHROME PLATED BRASS P-TRAP, NIPPLES WITH ESCUTCHEON, CHROME PLATED BRASS ANGLE SUPPLIES WITH ALL METAL CONSTRUCTION CHROME PLATED FLEXIBLE BRASS RISERS WITH NIPPLES AND CHROME PLATED BRASS ESCUTCHEONS WITH CAST SET SCREW.
- 6. CONTRACTOR SHALL PROVIDE ALL NECESSARY FITTINGS, PIPING, SUPPORTS, ETC. TO INSTALL EACH PLUMBING FIXTURE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND TO COMPLY WITH CITY, STATE, ADA CODES AND STANDARDS.



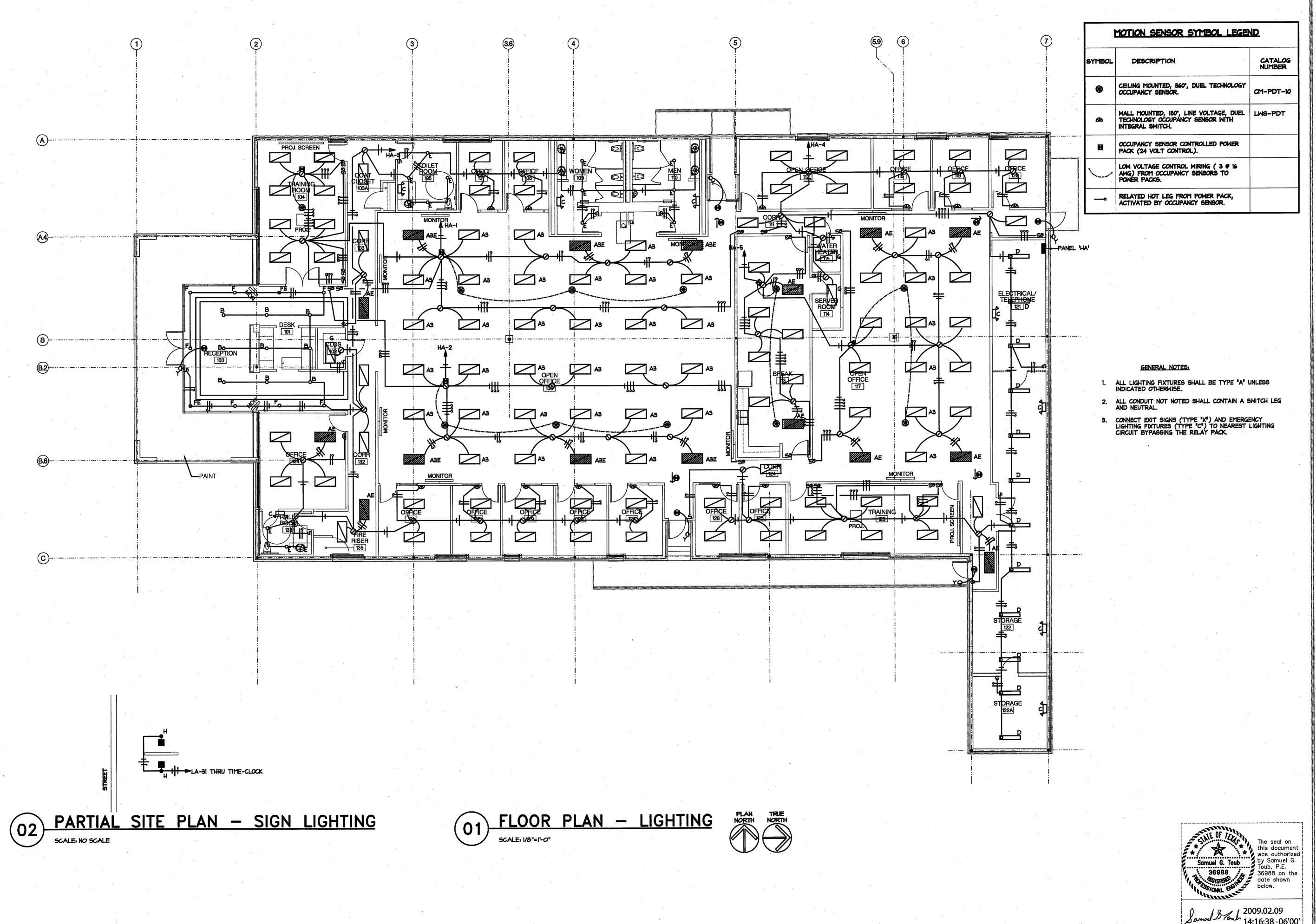


merriman
associates
architecture planning
Interior design
300 N. FIELD ST.
DALLAS, TEXAS 75202

214.987.1299

214.987.2138 (FAX)

FENCIARY 9, 2009 WHIT WAN SCHEELES & DETAILS PLIMBING

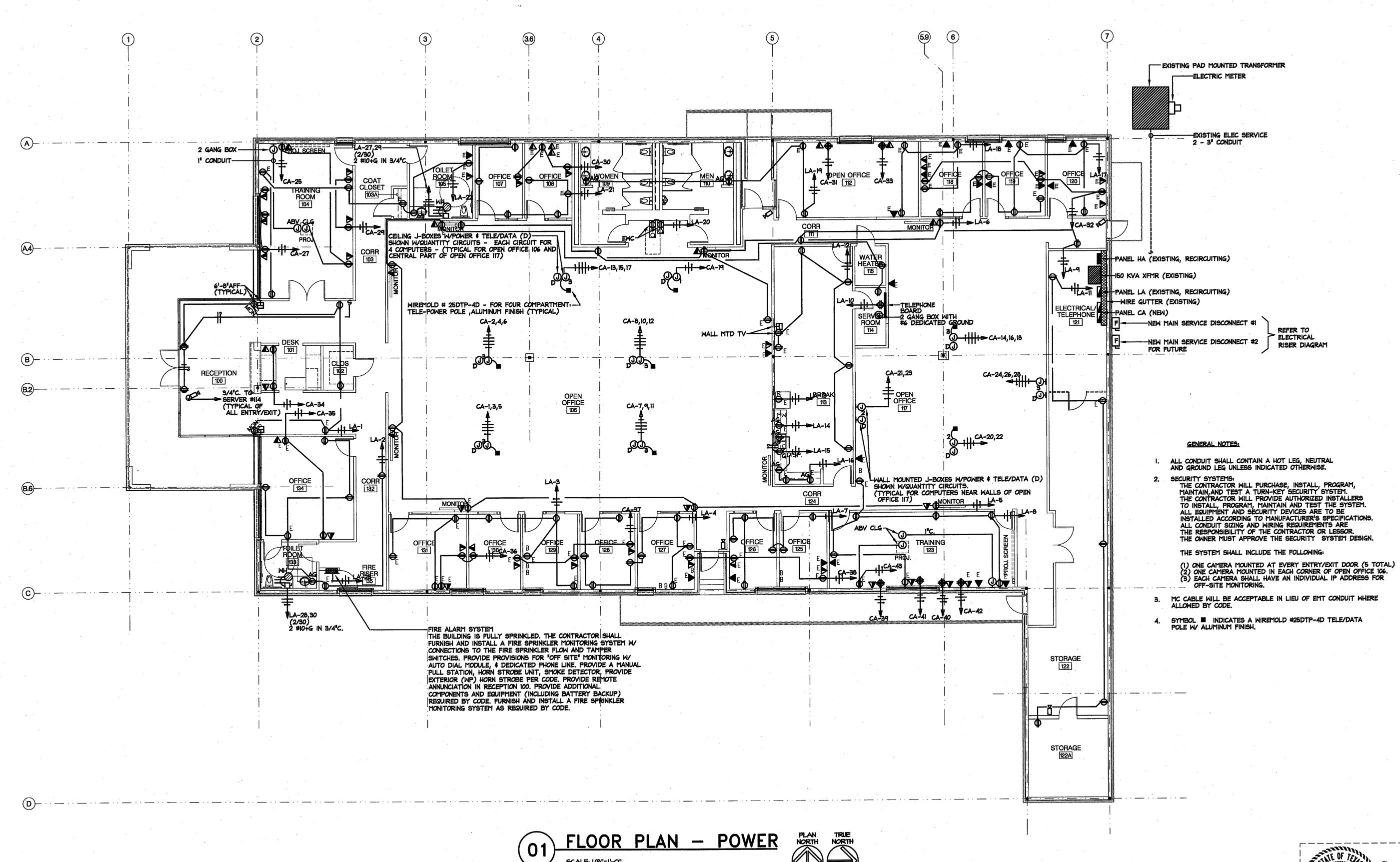


architects merriman

associates architecture · planning

> 300 N. FIELD ST. DALLAS, TEXAS 75202 214.987.1299 214.987.2138 (FAX)

13841 Omega Road, 972/386-5629 © COPYRIGHT 2008



merriman associates

interior design

300 N. FIELD ST. DALLAS, TEXAS 75202 214.967.1299 214.987.2138 (FAX)

The seal on this document | was authorized by Samuel G. Toub, P.E.

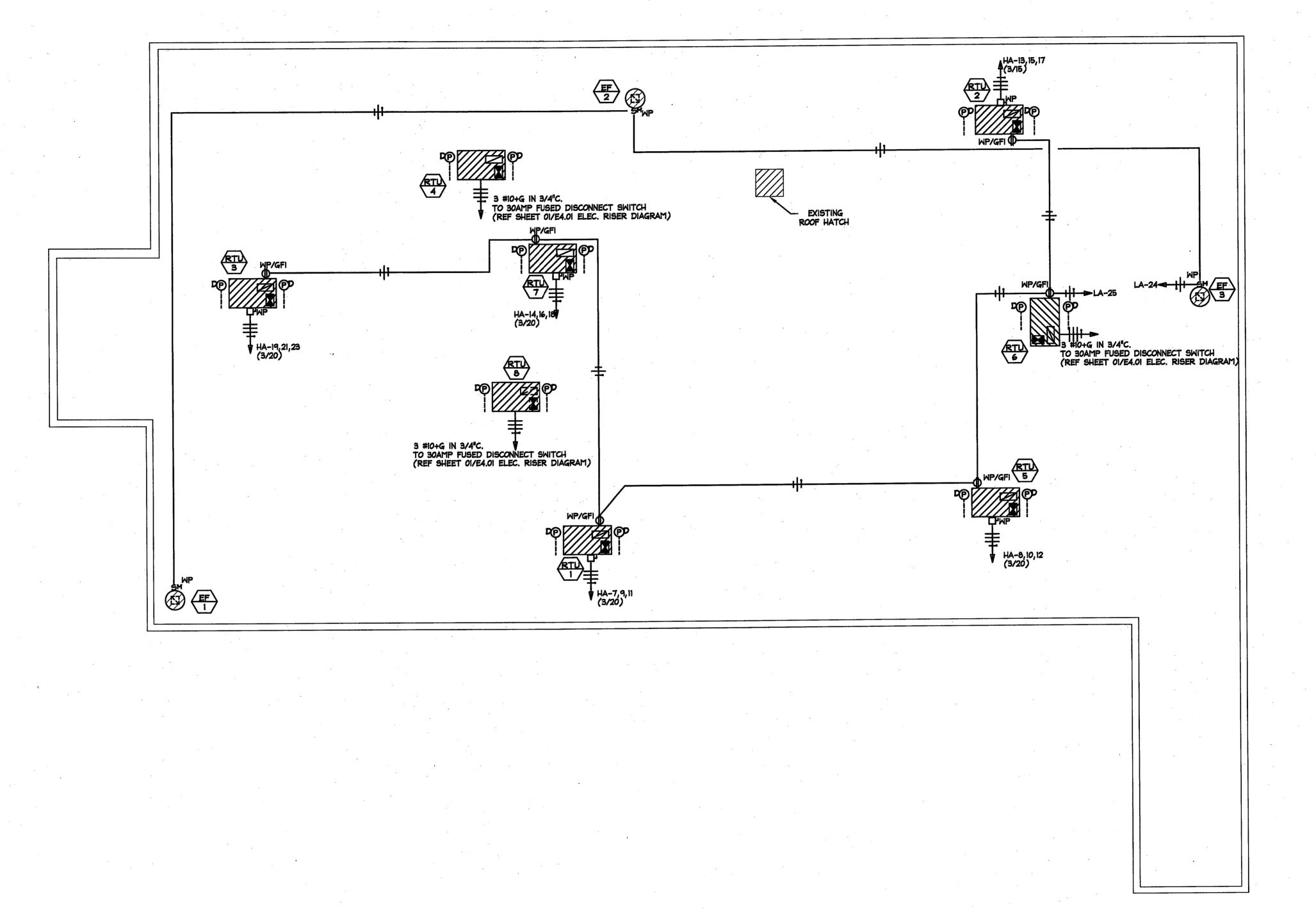
₹ 36988 on the

Samuel Stout 2009.02.09 14:15:59-06'00'

© COPYRIGHT 2008

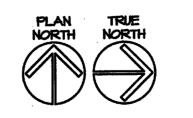
AMBALIK TETHETHE VIII VIII.

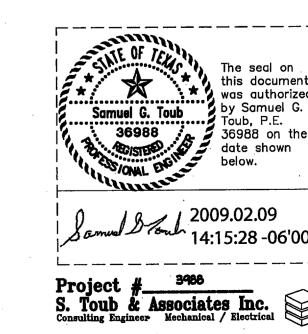
84007 19400



01 ROOF PLAN - ELECTRICAL

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





on ment prized I G. the pri

OMET MAND ROOF FLAN BESTERSE

| DESCRIPTION | POLES | TRIP | CIRCUIT | LIGHTING | POWER | POWER | LIGHTING | CIRCUIT | TRIP | POLES | DESCRIPTION |
|----------------------------|-------|----------|---------|----------|-------|-------|----------|---------|-------|----------|-----------------------------|
| TRAINING., OPEN OFFICE LTG | 1P | 20 | 1 | 2600 | | | 1800 | 2 | 20 | 1P | OPEN OFFICE LIGHTING |
| RECEPT.CORR.,RR, OFF. LTG | 1P | 20 | 3 | 3840 | | | 2980 | 4 | 20 | 1P | CORR., OFF., STOR. LTG |
| BREAK RM., OPEN OFF. LTG | 1P | 20 | 5 | 2600 | | | | 6 | 20 | 1P | SPARE |
| | 3P | | 7 | | 4069 | 4207 | | 8 | | 3P | |
| RTU-1 | | | 9 | T. | 4069 | 4207 | | 10 | | | RTU-5 |
| | | 20 | 11 | | 4069 | 4207 | | 12 | 20 | | |
| | 3P | | 13 | | 2934 | 4207 | | 14 | | 3P | |
| RTU-2 | | | 15 | | 2934 | 4207 | | 16 | | | RTU-7 |
| | | 15 | 17 | | 2934 | 4207 | | 18 | 20 | | |
| | 3P | <u> </u> | 19 | | 4207 | | | 20 | 20 | 1P | |
| RTU-3 | | | 21 | | 4207 | | | 22 | 20 | 1P | |
| • | | 20 | 23 | | 4207 | | | 24 | 20 | · 1P | |
| | ·1P | 20 | 25 | | | | | 26 | 20 | 1P | |
| | 1P | 20 | 27 | | | | | 28 | 20 | 1P | - |
| | 1P | 20 | 29 | | | | | 30 | 20 | 1P | |
| GROUND BUS | | | | | ., | , | DESIGN/ | TION | | <u> </u> | PANEL HA (EXIST RECONNECTED |
| CONNECTED LIGHTING | 13820 | X 1.25 | | 17275 | l | | MOUNTI | NG | | | SURFACE |
| CONNECTED POWER | | | | 58872 | | | VOLTAG | E-PH/ | SE-WI | RE | 277 480 3 PH 4 WIRE |
| TOTAL DESIGN LOAD | | | | 76147 | ŀ | | MAINS T | YPE | | | MLO |
| TOTAL CONNECTED AMPS | | | - | 91.70 | | | MAINS A | MPS | | | 225 |

| DESCRIPTION | POLES | TRIP | CIRCUIT | LIGHTING | POWER | POWER | LIGHTING | CIRCUIT | TRIP | POLES | DESCRIPTION |
|-----------------------------------|----------------|------|---------|----------|-------|----------|----------|---------------------|------|-------|-----------------------------|
| RECEPTION RECEPTACLES | 1P | 20 | 1 | | 1260 | 1260 | | 2 | 20 | 1P | OFFICE, TOILET, CORR. REC'S |
| OFFICES RECEPTACLES | 1P | 20 | 3 | | 1260 | 1440 | | 4 | 20 | 1P | OFFICES RECEPTACLES |
| MONITORS REC'S | 1P | 20 | 5 | | 1000 | 1000 | | 6 | 20 | 1P | MONITORS RECEPTACLES |
| OFFICES RECEPTACLES | 1P | 20 | 7 | | 1080 | 1080 | | 8 | 20 | 1P | TRAINING ROOM REC'S |
| L ROOM, STORAGES REC'S | 1P | 20 | 9 | | 1080 | 500 | | 10 | 20 | 1P | TELE BOARD QUAD |
| CORR. STORAGES REC'S | 1P | 20 | 11 | | 1080 | 1080 | | 12 | 20 | 1P | BREAK RM CONVENIANCE REC'S |
| REFRIGERATOR | 1P | 20 | 13 | | 1000 | 1000 | | 14 | 20 | 1P | MICROWAVE |
| DISPOSER | 1P · | 20 | 15 | | 500 | 720 | | 16 | 20 | 1P | AG REC'S IN KITCHENET |
| OFFICES RECEPTACLES | 1P | 20 | 17 | | 1440 | 720 | | 18 | 20 | 1P | OFFICES RECEPTACLES |
| OFFICES, RRS REC'S | 1P | 20 | 19 | | 720 | 1000 | | 20 | 20 | 1P | EWC |
| OFFICES RECEPTACLES | 1P | 20 | 21 | | 1080 | 1080 | | 22 | 20 | 1P | TOILET RM, CONFER. RM REC'S |
| -A.C.P. | 1P | 20 | 23 | | 500 | 1225 | | 24 | 20 | 1P | EF-1, EF-2, EF-3 ON ROOF |
| ROOF WP/GFI RECEPTACLES | 1P | 20 | 25 | | 1080 | | | 26 | 20 | 1P | SPARE |
| WATER HEATER | 2P | | 27 | | 1800 | 1800 | | 28 | | 2P | WATER HEATER |
| VATER DEATER | | 30 | 29 | | 1800 | 1800 | | 30 | 30 | | |
| SIGN LTG THRU TIMECLOCK | 1P | 20 | 31 | | 1000 | | | 32 | 20 | 1P | |
| | 1P | 20 | 33 | | | | | 34 | 20 | 1P | |
| | -1P | 20 | 35 | | | | | 36 | 20 | 1P | |
| GROUND BUS | | | | - | - | | DESIGNA | A TION | | | PANEL LA(EXIST RECONNECTED |
| | | | | MOUNT | | | | SURFACE | | | |
| CONNECTED LIGHTING | 0 | | | VOLTAC | | A CE VAM | | 120 208 3 PH 4 WIRE | | | |
| CONNECTED POWER TOTAL DESIGN LOAD | 33385 33385 | l | | MAINS T | | AOE-WI | NE | 120 206 3 PH 4 WIRE | | | |
| | | | | | ~ | | | | | | |

| IARK | DESCRIPTION | LENS LAMPS | REMARKS |
|----------|--|------------------------|--|
| | | PARABOLIC | "AE" - SAME AS FIXTURE TYPE "A" EXCEPT WITH 1300 LUMEN |
| _ | | BAFFLE | EMERGENCY BATTERY PACK |
| A | | 2 - F032T8 835K | LSI# N2P-G-18-232-FD-SSO10-EM-277 |
| | | PARABOLIC | "A3E" - SAME AS FIXTURE TYPE "A" EXCEPT WITH 1300 LUMEN |
| | FINISH, ONE 3 LAMP BALLAST, WHITE FINISH ON INTERIOR, 277 VOLT | BAFFLE | EMERGENCY BATTERY PACK |
| 43 | 1 0 1 1 NOT 0 40 000 ED 00040 077 CERIES 077 | 3 - F032T8 | LSI# N2P-G-18-332-FD-SSO10-EM-277 |
| | LSI # N2P-G-18-332-FD-SSO10-277 SERIES-277 | 835K | LSI# N2F-G-10-552-1 D-550-10-10-277 |
| | RECESSED COMPACT FLUORESCENT DOWNLIGHT WITH YOKE SECURED CLEAR ALZAK REFLECTOR, OPEN | CLEAR ALZAK | |
| | FROSTED GLASS RING TIER, ALL REQUIRED MOUNTING ACCESSORIES, TRI - WATTAGE BALLAST | REFLECTOR | |
| В | | | |
| | SPECTRUM# SG8V 42-EX-MD-AR8115CL-1FGR-BH27 SERIES-277 | 1 - PLT42 | |
| | TWIN HEAD EMERGENCY LIGHTING UNIT WITH MAINTENANCE FREE SEALED LEAD CALCIUM BATTERY, | 835K FRESNEL LENSES | |
| | THERMOPLASTIC HOUSING, FRESNEL LENSES | TABINEL LENGES | |
| C | | 1 | |
| _ | CHLORIDE#GM4 - SERIES - 277 | 2 - 6 VOLT | |
| | | | |
| | SURFACE MOUNTED 4FT 2LAMP STRIP WITH WIRE GUARD | | |
| D | | 2 - F032T8 | |
| D | LSI #S232-SSOR-UE-WG240 SERIES-277 | 835K | |
| | | | |
| | EXISTING FIXTURES TO REWAIN. CLEAN AND RELAMP ASREQUIRED AND/OR DIRECTED | | |
| _ | | | 4 |
| E | | | |
| | | | |
| | RECESSED 7"DIAMETER COMPACT FLUORESCENT DOWNLILIGHT WITH YOKESECURED CLEAR ALZAK SOFT | CLEAR ALZAK SOFT | "FE" - SAME AS FIXTURE TYPE "F" EXCEPT WITH 1300 LUMEN |
| | GLOW REFLECTOR, TRI WATTAGE BALLAST, POLISHED REFLECTOR FLANGE, ALL REQUIRED MOUNTING | GLOW REFLECTOR | EMERGENCY BATTERY PACK |
| F | ACCESSORIES | 1 - PLT32 | THE PROPERTY OF THE PROPERTY O |
| | | 835K | SPECTRUM#SGW7H-132-EX-AR7915- CLSG-PF-BH27-EM750-SERIES-2 |
| | SPECTRUM#SGW7H-132-EX-AR7915- CLSG-PF-BH27-SERIES-277 2X4 RECESSED LAY-IN FLUORESCENT TROFFER WITH .125 PRISMATIC ACRYLIC LENS | .125 PRISMATIC | |
| | ZATILOLDOLD LATERAL LOCALIDATION FOR THE STATE OF THE STA | ACRYLIC | |
| G | | 2 - F032T8 | |
| | LSI #GA.125-232SD-SSOR-UE SERIES-277 | 835K | |
| | THE PARTY OF THE P | OLEAD OLASS | TOP SIGN LICETING TUPLET TAKES OOK |
| | SMALL COMPACT FLOURESCENT HEAVY DUTY FLOODLIGHT, GASKETED ALUMINUM HINGED DOOR, ULLISTED FOR OUTDOOR WET LOCATION | CLEAR GLASS | FOR SIGN LIGHTING THRU TIMECLOCK |
| Н | LOTED TO TOO TOO TOO TOO TOO TOO TOO TOO TOO | 108V-305V | 1 |
| •• | DAY-BRIGHT LIGHTING FLC-26C-C-U-LP | 26W CFL | |
| | | | |
| | UNIVERSAL MOUNTED SINGLE AND/OR DOUBLE FACE LED EMERGENCY EXIT LIGHT WITH RED LETTERS, | | • |
| | NICKEL-CADMIUM BATTERY, WHITE THERWOPLASTIC HOUSING | LED LAMBBANG | 4 |
| X | CHLORIDE#ERB SERIES | LED LAMP PANEL | |
| | CHLORIDE #ERB SERIES | | |
| | WALL MOUNTED WET LOCATION LED EMERGENCY LIGHTING UNIT, 11.4 INCH DIAMETER X3.6 INCH DEEP, DIE | | |
| | CAST HOUSING AND COVER IN FINISH AS SELECTED | | |
| Υ | | 2 - 6W LED | |
| _ | CLORIDE #DNX SERIES | 1 | • |

ALTERNATE FIXTURE : THE CONTRACTOR SHALL PROVIDE AN ALTERNATE FIXTURE FOR FIXTURES "A" & "AE".

THE FIXTURES SHALL BE 2x4 RECESSED LAY-IN, DIRECT/INDIRECT, TROFFER W/

WHITE PERFORATED CENTER BASKET. ONE - 3 LAMP BALLAST, 277 VOLT.

LSI # 2LLCG-332PRW SSOR UE SERIES - 277 AND LSI # 2LLCG-332PRW SSOR-UE

EMB50 SERIES - 277.

PROVIDE A 12"x12" X12" CONCRETE BASE FLUSH W/ GRADE FOR EACH FIXTURE

SCALE: NO SCALE

PANEL CA (NEW) DESCRIPTION DESCRIPTION 2 20 1P OPEN OFFICES COMPUTERS OPEN OFFICES COMPUTERS 1000 1000 4 20 1P OPEN OFFICES COMPUTERS 1000 1000 OPEN OFFICES COMPUTERS 1P 20 3 1000 750 6 20 1P OPEN OFFICES COMPUTERS OPEN OFFICES COMPUTERS 1P 20 5 8 20 1P OPEN OFFICES COMPUTERS 1000 1000 OPEN OFFICES COMPUTERS 1P 20 7 10 20 1P OPEN OFFICES COMPUTERS 1000 1000 12 20 1P OPEN OFFICES COMPUTERS 1000 1000 OPEN OFFICES COMPUTERS 1P 20 11 14 20 1P OPEN OFFICES COMPUTERS 1000 1000 OPEN OFFICES COMPUTERS 1P 20 13 16 20 1P OPEN OFFICES COMPUTERS 1000 OPEN OFFICES COMPUTERS 1P 20 15 18 20 1P OPEN OFFICES COMPUTERS 1000 750 20 20 1P OPEN OFFICES COMPUTERS 1000 OPEN OFFICES COMPUTERS 1P 20 19 OPEN OFFICES COMPUTERS 1P 20 21 24 20 1P OPEN OFFICES COMPUTERS OPEN OFFICES COMPUTERS 1P 20 23 26 20 1P OPEN OFFICES COMPUTERS TRAINING RM COMP. REC'S 1P 20 25 750 28 20 1P OPEN OFFICES COMPUTERS 750 TRAINING RM COMP. REC'S 1P 20 27 750 750 30 20 1P OFFICES COMPUTER REC'S TRAINING RM COMP. REC'S 1P 20 29 500 32 20 1P OFFICES COMPUTER REC'S OPEN OFFICE COMP. QUAD 1P 20 31 34 20 1P RECEPTION COMPUTER REC'S OPEN OFFICE COMP. QUAD 1P 20 33 36 20 1P OFFICES COMPUTER REC'S OFFICES COMPUTER REC'S 1P 20 35 38 20 1P OFFICES COMPUTER REC'S OFFICES COMPUTER RECS 1P 20 37 40 20 1P TRAINING COMPUTER QUAD TRAINING COMPUTER QUAD 1P 20 39 42 20 1P TRAINING COMPUTER QUAD TRAINING COMPUTER QUAD 1P 20 41 44 20 1P 1P 20 43 46 20 1P 1P 20 45 48 20 1P. 1P 20 47 50 20 1P 1P 20 49 52 20 1P 1P 20 51 54 20 1P 1P 20 53 1P 20 55 0 TVSS UNIT 1P 20 57 1P 20 59 GROUND BUS DESIGNATION PANEL CA (NEW) SURFACE MOUNTING CONNECTED LIGHTING 0 X 1.25 0 34750 34750 VOLTAGE-PHASE-WIRE 120 208 3 PH 4 WIRE CONNECTED POWER MAINS TYPE MCB

96.57

MAINS AMPS

TOTAL DESIGN LOAD

TOTAL CONNECTED AMPS

—(2) 3°C W/ 4#350 MCM IN EACH —— TO EMERGENCY CKT NOT USED TO RTU-4 TO RTU-6 TO RTU-8 (REF_01/E3.02) (REF_01/E3.02) INTERLOCK ON MAIN #I AND EXISTING 200/3/200 — DISCONNECT EXISTING PANEL LA MAIN #2 EXISTING 200/3/200 DISCONNECT EXISTING 30/3/30 200/3/200 DISCONNECT EXISTING 30/3/30 30/3/30 DISCONNECT 30/3/30 DISCONNECT DISCONNECT DISCONNECT --- 4 #3/0+G IN 2°C. 600/3/600 600/3/600 EXISTING WIREGUTTER W/ 6 EXISTING MAIN DISCONNECTS -RECONNECT TO EXISTING (TYPICAL) NEW 3/0 ELECTRICAL GROUND TO WATER -SERVICE AND DRIVEN GROUND ROD CONNECT TO EXISTING CONDUIT, REPOUTE THE SERVICE CONDUCTORS TO THE NEW MAIN SWITCH ON THE EXTERIOR OF THE BUILDING, RE-USE THE EXISTING SERVIVE CONDUCTORS. EXISTING 150 KVA XFMR --- (2) 3"C W/ 4#350 MCM IN EACH---EXISTING ELECTRICAL SERVICE TO PAD MOUNT TRANSFORMER TO REMAIN. 277/480 VOLT, 3 PH., 4 WIRE, 600 AMP ELECTRICAL RISER DIAGRAM

merriman

associates

300 N. FIELD ST.

DALLAS, TEXAS 75202

214.987.1299

214.987.2138 (FAX)

© COPYRIGHT 2008

BETTEKAL SCHEDLES & RESER DIAGRAM